ARCADIS Design & Consultancy for natural and built assets

RACER Trust

SEMI-ANNUAL DATA REPORT

Second Half 2016

Former GM Delco Plant 5
Kokomo, Indiana

January 12, 2017

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Former GM Delco Plant 5
Kokomo, Indiana

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A Groundwater Analytical Reports and Data Validation Reports (Provided on CD)

INTRODUCTION

Arcadis U.S. Inc. (Arcadis) has prepared this Semi-Annual Data Report on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust. This report summarizes the second half 2016 activities related to groundwater gauging and groundwater sampling at the Former GM Delco Plant 5 in Kokomo, Indiana (the Site).

1 GROUNDWATER GAUGING

On September 6, 2016, Arcadis measured the depth to groundwater at 58 monitoring wells located in the upper two sand and gravel units (S1 Unit and S2 Unit) at the Site. The resulting potentiometric surface maps created for the S1 Unit and S2 Unit from the September 6, 2016 data did not align with historically generated potentiometric surface maps for the S1 Unit and S2 Unit. Given these inconsistencies in the groundwater contours, on November 16, 2016, Arcadis re-measured the depth to groundwater at 60 monitoring wells located in the S1 Unit and S2 Unit at the Site. The groundwater gauging data from both gauging events are presented in Table 1 and the data from the November 16, 2016, event were used to prepare groundwater elevation figures. The groundwater elevation contours in the S1 Unit are provided as Figure 1. The groundwater elevation contours in the S2 Unit are provided as Figure 2.

Potentiometric Data for S1 and S2 Units – November 2016		
Sand and Gravel Unit	**Potentiometric Surface Elevation (ft amsl)**	**General Gradient Direction**
S1	808.25 to 815.00	East-Southeast
S2 (shallow gradient)	812.03 to 813.96	East-Southeast

ft amsl = feet above mean sea level

Groundwater in both the S1 Unit and S2 Unit is confined by overlying clay till units. Groundwater flow directions within the S1 Unit and S2 Unit are consistent with previously observed groundwater contours and with those used in groundwater modeling previously performed by Arcadis. Arcadis will continue to evaluate the groundwater potentiometric surfaces and monitor flow directions for both the S1 Unit and S2 Unit through future gauging events.

2 SEMI-ANNUAL GROUNDWATER SAMPLING

On September 6, 2016, Arcadis deployed PDBs in 33 monitoring wells on and off site. Prior to deploying the PDBs, the depth to groundwater and a total depth of the monitoring wells were measured. Each PDB is connected to dedicated line within the monitoring well to ensure placement in the center of the screen in the water column. The PDBs were allowed to equilibrate inside each monitoring well for a 3-week period. On September 27, 2016, the PDBs were removed from the monitoring wells, and groundwater samples were collected through a dedicated straw directly into laboratory-supplied containers. All containers were immediately sealed, labeled, placed in an ice-packed cooler, and transported to Pace

Analytical Services, located in Indianapolis, Indiana. The groundwater samples were analyzed for VOCs in accordance with the USEPA SW-846, Method 8260.

VOC analytical results for groundwater samples collected during the reporting period are presented in Table 2. Only analytes that have been detected at concentrations higher than the laboratory reporting limits during one or more monitoring events are presented in Table 2 and include:

- 1,1,1-trichloroethane (1,1,1-TCA)
- 1,1-dichloroethane (1,1-DCA)
- 1,1-dichloroethene (1,1-DCE)
- Acetone
- Benzene
- Chloroform
- cis-1,2-dichloroethene (cis-1,2-DCE)
- Cyclohexane
- Methylene chloride
- Tetrachloroethene (PCE)
- Toluene
- trans-1,2-dichloroethene (trans-1,2-DCE)
- Trichloroethene (TCE)
- Vinyl chloride

The analytical results were compared to Drinking Water Screening Criteria (Maximum Contaminant Levels [MCLs] or the Indiana Department of Environmental Management [IDEM] Remediation Closure Guide [RCG] Tap Water Criteria, where MCLs are not established). The analytical results are presented on Figure 3. Only analytes that have been detected at concentrations higher than the laboratory reporting limits during one or more monitoring events are presented in the databoxes on Figure 3.

Based on the groundwater data collected during the second half 2016, 1,1-DCE; cis-1,2-DCE; trans-1,2-DCE; TCE; and vinyl chloride were detected at concentrations higher than their respective Drinking Water Screening Criteria in one or more groundwater samples. Since TCE is the primary constituent of concern at the site, Figure 4 presents groundwater isoconcentration contours for TCE in the S1 Unit.

Methylene chloride was detected in groundwater samples from 28 of the 33 monitoring wells sampled and both trip blanks. Methylene chloride is a well-documented laboratory artifact and was qualified as “not detected” during validation. Acetone was detected above the reporting limit at MW-0501-S1 (180 ug/L) and MW-0503-S1 (217 ug/L). Due to issues identified by validation in the initial and continuing calibration MW-0503-S1 was qualified as an estimated detection. Acetone has periodically been detected at MW-0501-S1 and MW-0503-S1; however, these detected concentrations have been below the Drinking Water Screening Criteria of 14,000 ug/L. The laboratory analytical reports, along with the validation summaries, are provided in Appendix A.

Off-site groundwater analytical results were compared to site-specific Groundwater Vapor Intrusion Screening Criteria, as presented in Table 3 and shown on Figure 4. These criteria have been established for two conditions off site:

- Off-site Residential
- Off-site Commercial/Industrial

The screening criteria were calculated following an approach described in the IDEM 2013 Remediation Closure Guide (RCG) and detailed in the Risk Assessment Addendum to CMP Amendment (Arcadis 2014). TCE concentrations in groundwater exceeded both the site-specific Groundwater Vapor Intrusion Screening Criteria for Off-site Residential and Off-site Commercial/Industrial (1,540 µg/L and 2,150 µg/L)

at monitoring well MW-0612-S1 and MW-0704-S1. No other constituents exceeded the Groundwater Vapor Intrusion Screening Criteria.

3 SUMMARY AND CONCLUSIONS

During the second half 2016 groundwater sampling event, concentrations of site-specific constituents of concern were higher than the Drinking Water Screening Criteria in 17 of the 33 groundwater monitoring wells sampled with five of those monitoring wells located off-site. The TCE concentration detected in groundwater from monitoring well MW-0612-S1 and MW-0704-S1 exceeded both the site-specific Groundwater Vapor Intrusion Screening Criteria for Off-site Residential and Off-site Commercial/Industrial.

A semi-annual groundwater sampling event will be conducted during the first half of 2017 to continue to support evaluation of potential corrective measures and potential risks associated with the groundwater. RACER Trust will prepare a Corrective Measures Study which will evaluate potential corrective measures and determine a path to closure.

4 REFERENCES

Arcadis. 2014. Risk Assessment Addendum to CMP Amendment. Former GM Delco Plant 5, Kokomo, Indiana. June.

TABLES

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0101-P1	11/15/2004	8.13	9.85	826.36	818.23
MW-0101-P1	10/25/2005	9.51	9.98	826.36	816.85
MW-0101-P1	3/24/2006	Abandoned Well			
MW-0101-S1U	11/15/2004	11.15	17.50	826.36	815.21
MW-0101-S1U	10/25/2005	12.02	17.51	826.36	814.34
MW-0101-S1U	3/24/2006	10.52	17.23	826.36	815.84
MW-0101-S1U	3/31/2006	9.75	17.23	826.36	816.61
MW-0101-S1U	4/28/2006	10.42	NM	826.36	815.94
MW-0101-S1U	12/5/2006	9.13	17.51	826.36	817.23
MW-0101-S1U	3/8/2007	10.21	17.51	826.36	816.15
MW-0101-S1U	1/16/2008	10.69	17.61	826.36	815.67
MW-0101-S1U	11/11/2008	14.31	17.46	826.36	812.05
MW-0101-S1U	2/17/2009	12.66	NM	826.36	813.70
MW-0101-S1U	6/12/2009	11.18	NM	826.36	815.18
MW-0101-S1U	3/29/2012	11.23	17.70	826.36	815.13
MW-0101-S1U	10/9/2012	13.76	17.50	826.36	812.60
MW-0101-S1U	3/12/2013	11.73	17.50	826.36	814.63
MW-0101-S1U	9/24/2013	12.70	17.76	826.36	813.66
MW-0101-S1U	4/22/2014	11.46	17.66	826.36	814.90
MW-0101-S1U	9/3/2014	13.09	17.64	826.36	813.27
MW-0101-S1U	3/10/2015	12.03	16.64	826.36	814.33
MW-0101-S1U	9/8/2015	12.10	17.45	826.36	814.26
MW-0101-S1U	3/10/2016	11.68	17.77	826.36	814.68
MW-0101-S1U	9/7/2016	12.47	17.64	826.36	813.89
MW-0101-S1U	11/16/2016	12.63	NM	826.36	813.73
MW-0102-S1U	11/15/2004	11.10	26.00	826.36	815.26
MW-0102-S1U	9/20/2005	12.28	26.14	826.36	814.08
MW-0102-S1U	10/20/2005	12.12	26.28	826.36	814.24
MW-0102-S1U	10/25/2005	12.03	26.28	826.36	814.33
MW-0102-S1U	3/22/2006	10.50	25.90	826.36	815.86
MW-0102-S1U	3/31/2006	9.73	25.90	826.36	816.63
MW-0102-S1U	4/28/2006	10.47	NM	826.36	815.89
MW-0102-S1U	12/5/2006	9.33	NM	826.36	817.03
MW-0102-S1U	3/8/2007	10.32	26.28	826.36	816.04

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Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0102-S1U	1/16/2008	11.00	26.40	826.36	815.36
MW-0102-S1U	11/11/2008	14.33	26.26	826.36	812.03
MW-0102-S1U	2/17/2009	12.51	NM	826.36	813.85
MW-0102-S1U	6/12/2009	11.18	NM	826.36	815.18
MW-0102-S1U	3/29/2012	11.25	26.43	826.36	815.11
MW-0102-S1U	10/9/2012	13.76	26.25	826.36	812.60
MW-0102-S1U	3/12/2013	11.91	26.15	826.36	814.45
MW-0102-S1U	9/24/2013	12.74	26.41	826.36	813.62
MW-0102-S1U	4/22/2014	11.45	26.37	826.36	814.91
MW-0102-S1U	9/3/2014	13.06	26.40	826.36	813.30
MW-0102-S1U	3/10/2015	12.02	26.38	826.36	814.34
MW-0102-S1U	9/8/2015	12.15	26.21	826.36	814.21
MW-0102-S1U	3/10/2016	11.63	27.46	826.36	814.73
MW-0102-S1U	9/7/2016	12.39	26.41	826.36	813.97
MW-0102-S1U	11/16/2016	12.66	NM	826.36	813.7
MW-0103-S1U	10/25/2005	13.47	NM	828.15	814.68
MW-0103-S1U	11/15/2005	12.60	20.00	828.15	815.55
MW-0103-S1U	3/22/2006	12.03	19.76	828.15	816.12
MW-0103-S1U	3/31/2006	11.26	19.76	828.15	816.89
MW-0103-S1U	4/28/2006	11.91	NM	828.15	816.24
MW-0103-S1U	12/5/2006	10.70	19.77	828.15	817.45
MW-0103-S1U	3/8/2007	11.71	19.76	828.15	816.44
MW-0103-S1U	1/16/2008	12.46	19.89	828.15	815.69
MW-0103-S1U	11/11/2008	15.87	19.81	828.15	812.28
MW-0103-S1U	2/17/2009	14.06	NM	828.15	814.09
MW-0103-S1U	6/12/2009	12.63	NM	828.15	815.52
MW-0103-S1U	10/9/2012	15.30	19.66	828.15	812.85
MW-0103-S1U	3/12/2013	13.47	19.66	828.15	814.68
MW-0103-S1U	9/24/2013	14.29	19.75	828.15	813.86
MW-0103-S1U	4/22/2014	12.94	19.74	828.15	815.21
MW-0103-S1U	9/3/2014	14.59	19.62	828.15	813.56
MW-0103-S1U	3/10/2015	13.55	19.65	828.15	814.60
MW-0103-S1U	9/8/2015	13.57	19.64	828.15	814.58
MW-0103-S1U	3/10/2016	13.08	19.73	828.15	815.07
MW-0103-S1U	9/7/2016	13.90	19.72	828.15	814.25
MW-0103-S1U	11/16/2016	14.19	NM	828.15	813.96
MW-0501-P1	9/20/2005	12.09	18.85	828.62	816.53
MW-0501-P1	10/18/2005	13.22	18.95	828.62	815.40
MW-0501-P1	10/25/2005	12.97	18.95	828.62	815.65
MW-0501-P1	3/22/2006	12.67	18.95	828.62	815.95

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Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0501-P1	3/31/2006	11.84	18.95	828.62	816.78
MW-0501-P1	4/28/2006	11.29	NM	828.62	817.33
MW-0501-P1	12/5/2006	10.46	18.69	828.62	818.16
MW-0501-P1	3/8/2007	10.79	18.71	828.62	817.83
MW-0501-P1	1/16/2008	11.82	18.80	828.62	816.80
MW-0501-P1	11/11/2008	14.48	18.71	828.62	814.14
MW-0501-P1	2/17/2009	11.93	NM	828.62	816.69
MW-0501-S1	3/22/2006	12.18	34.39	828.65	816.47
MW-0501-S1	3/31/2006	11.41	34.39	828.65	817.24
MW-0501-S1	4/28/2006	12.07	NM	828.65	816.58
MW-0501-S1	12/5/2006	10.84	33.95	828.65	817.81
MW-0501-S1	3/8/2007	11.90	33.74	828.65	816.75
MW-0501-S1	1/16/2008	12.67	33.95	828.65	815.98
MW-0501-S1	11/11/2008	16.10	33.60	828.65	812.55
MW-0501-S1	2/17/2009	14.44	NM	828.65	814.21
MW-0501-S1	6/12/2009	12.77	NM	828.65	815.88
MW-0501-S1	4/13/2010	12.52	33.33	828.65	816.13
MW-0501-S1	9/5/2010	15.30	33.00	828.65	813.35
MW-0501-S1	4/20/2011	12.12	32.98	828.65	816.53
MW-0501-S1	9/27/2011	13.26	33.14	828.65	815.39
MW-0501-S1	3/29/2012	12.89	33.11	828.65	815.76
MW-0501-S1	10/9/2012	15.59	32.95	828.65	813.06
MW-0501-S1	3/12/2013	13.73	32.95	828.65	814.92
MW-0501-S1	9/24/2013	14.48	33.00	828.65	814.17
MW-0501-S1	4/22/2014	13.08	32.99	828.65	815.57
MW-0501-S1	9/3/2014	14.82	32.94	828.65	813.83
MW-0501-S1	3/10/2015	13.78	32.86	828.65	814.87
MW-0501-S1	9/8/2015	13.92	32.60	828.65	814.73
MW-0501-S1	3/10/2016	13.34	32.84	828.65	815.31
MW-0501-S1	9/7/2016	14.11	32.85	828.65	814.54
MW-0501-S1	11/16/2016	14.45	NM	828.65	814.2
MW-0501-S2	10/18/2005	14.87	76.30	828.75	813.88
MW-0501-S2	10/25/2005	15.02	76.30	828.75	813.73
MW-0501-S2	3/21/2006	12.83	76.30	828.75	815.92
MW-0501-S2	3/31/2006	11.98	76.30	828.75	816.77
MW-0501-S2	4/28/2006	12.00	NM	828.75	816.75
MW-0501-S2	12/5/2006	9.83	76.13	828.75	818.92
MW-0501-S2	3/8/2007	11.79	76.09	828.75	816.96
MW-0501-S2	1/16/2008	14.80	76.20	828.75	813.95
MW-0501-S2	11/11/2008	21.21	76.12	828.75	807.54
MW-0501-S2	2/17/2009	17.60	NM	828.75	811.15
MW-0501-S2	6/12/2009	15.49	NM	828.75	813.26
MW-0501-S2	4/13/2010	14.37	76.12	828.75	814.38
MW-0501-S2	9/5/2010	19.74	76.11	828.75	809.01

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MW-0501-S2	4/20/2011	15.01	76.00	828.75	813.74
MW-0501-S2	9/27/2011	17.44	75.24	828.75	811.31
MW-0501-S2	3/29/2012	14.62	76.21	828.75	814.13
MW-0501-S2	10/9/2012	20.48	76.15	828.75	808.27
MW-0501-S2	3/12/2013	15.08	76.15	828.75	813.67
MW-0501-S2	9/24/2013	17.93	76.20	828.75	810.82
MW-0501-S2	4/22/2014	15.80	77.48	828.75	812.95
MW-0501-S2	9/3/2014	19.70	77.62	828.75	809.05
MW-0501-S2	3/10/2015	17.08	NM	828.75	811.67
MW-0501-S2	9/8/2015	15.21	74.02	828.75	813.54
MW-0501-S2	3/10/2016	15.33	76.24	828.75	813.42
MW-0501-S2	9/7/2016	18.36	76.25	828.75	810.39
MW-0501-S2	11/16/2016	16.55	NM	828.75	812.2
MW-0501-S3	10/20/2005	15.00	94.98	828.78	813.78
MW-0501-S3	10/25/2005	15.04	94.98	828.78	813.74
MW-0501-S3	3/21/2006	12.81	94.98	828.78	815.97
MW-0501-S3	3/31/2006	12.06	94.98	828.78	816.72
MW-0501-S3	4/28/2006	12.02	NM	828.78	816.76
MW-0501-S3	12/5/2006	10.48	94.75	828.78	818.30
MW-0501-S3	3/8/2007	11.86	94.64	828.78	816.92
MW-0501-S3	1/16/2008	14.86	94.80	828.78	813.92
MW-0501-S3	11/11/2008	21.27	94.85	828.78	807.51
MW-0501-S3	2/17/2009	17.68	NM	828.78	811.10
MW-0501-S3	6/12/2009	15.58	NM	828.78	813.20
MW-0501-S3	4/13/2010	14.42	94.73	828.78	814.36
MW-0501-S3	9/5/2010	19.82	96.05	828.78	808.96
MW-0501-S3	4/20/2011	15.11	94.60	828.78	813.67
MW-0501-S3	9/27/2011	17.44	94.90	828.78	811.34
MW-0501-S3	10/9/2012	14.20	31.91	828.78	814.58
MW-0501-S3	8/24/2015	Abandoned Well			
MW-0502-S1	9/20/2005	12.20	32.59	826.34	814.14
MW-0502-S1	10/19/2005	11.91	32.78	826.34	814.43
MW-0502-S1	10/25/2005	11.91	32.78	826.34	814.43
MW-0502-S1	3/24/2006	10.41	32.54	826.34	815.93
MW-0502-S1	3/31/2006	9.64	32.54	826.34	816.70
MW-0502-S1	4/28/2006	10.32	NM	826.34	816.02
MW-0502-S1	12/5/2006	9.25	NM	826.34	817.09
MW-0502-S1	3/8/2007	10.12	32.50	826.34	816.22
MW-0502-S1	1/16/2008	10.95	32.62	826.34	815.39
MW-0502-S1	11/11/2008	14.22	32.40	826.34	812.12
MW-0502-S1	2/17/2009	12.54	NM	826.34	813.80
MW-0502-S1	6/12/2009	11.04	NM	826.34	815.30
MW-0502-S1	4/13/2010	10.78	32.55	826.34	815.56
MW-0502-S1	9/5/2010	13.46	32.60	826.34	812.88

Table 1
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ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0502-S1	4/20/2011	10.29	32.45	826.34	816.05
MW-0502-S1	9/27/2011	11.44	32.65	826.34	814.90
MW-0502-S1	3/29/2012	11.08	32.61	826.34	815.26
MW-0502-S1	10/9/2012	13.65	32.51	826.34	812.69
MW-0502-S1	3/12/2013	11.73	32.51	826.34	814.61
MW-0502-S1	9/24/2013	12.62	32.63	826.34	813.72
MW-0502-S1	4/22/2014	11.35	32.62	826.34	814.99
MW-0502-S1	9/3/2014	12.96	32.66	826.34	813.38
MW-0502-S1	3/10/2015	11.90	32.63	826.34	814.44
MW-0502-S1	9/8/2015	12.02	32.39	826.34	814.32
MW-0502-S1	3/10/2016	11.51	32.62	826.34	814.83
MW-0502-S1	9/7/2016	12.26	32.55	826.34	814.08
MW-0502-S1	11/16/2016	12.51	NM	826.34	813.83
MW-0503-S1	10/18/2005	12.51	32.57	826.82	814.31
MW-0503-S1	10/25/2005	12.51	32.57	826.82	814.31
MW-0503-S1	3/24/2006	11.09	32.27	826.82	815.73
MW-0503-S1	3/31/2006	10.32	32.27	826.82	816.50
MW-0503-S1	4/28/2006	11.00	NM	826.82	815.82
MW-0503-S1	12/5/2006	9.84	NM	826.82	816.98
MW-0503-S1	3/8/2007	10.80	32.32	826.82	816.02
MW-0503-S1	1/16/2008	11.57	32.42	826.82	815.25
MW-0503-S1	11/11/2008	14.75	32.20	826.82	812.07
MW-0503-S1	2/17/2009	12.96	NM	826.82	813.86
MW-0503-S1	6/12/2009	11.68	NM	826.82	815.14
MW-0503-S1	4/13/2010	11.46	32.16	826.82	815.36
MW-0503-S1	9/5/2010	14.04	32.00	826.82	812.78
MW-0503-S1	4/20/2011	10.87	31.98	826.82	815.95
MW-0503-S1	9/27/2011	11.99	32.35	826.82	814.83
MW-0503-S1	3/29/2012	11.77	32.40	826.82	815.05
MW-0503-S1	10/9/2012	14.20	31.91	826.82	812.62
MW-0503-S1	3/12/2013	12.35	31.91	826.82	814.47
MW-0503-S1	9/24/2013	13.20	32.30	826.82	813.62
MW-0503-S1	4/22/2014	11.95	31.87	826.82	814.87
MW-0503-S1	9/3/2014	13.51	31.96	826.82	813.31
MW-0503-S1	3/10/2015	12.49	31.56	826.82	814.33
MW-0503-S1	9/8/2015	12.62	31.20	826.82	814.2
MW-0503-S1	3/10/2016	12.11	31.32	826.82	814.71
MW-0503-S1	9/7/2016	12.80	13.34	826.82	814.02
MW-0503-S1	11/16/2016	13.13	NM	826.82	813.69
MW-0503-S2	10/18/2005	13.28	68.33	826.81	813.53
MW-0503-S2	10/25/2005	13.27	68.33	826.81	813.54
MW-0503-S2	3/24/2006	10.38	68.05	826.81	816.43
MW-0503-S2	3/31/2006	9.53	68.05	826.81	817.28
MW-0503-S2	4/28/2006	10.51	NM	826.81	816.30

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0503-S2	12/5/2006	9.06	NM	826.81	817.75
MW-0503-S2	3/8/2007	10.28	68.13	826.81	816.53
MW-0503-S2	1/16/2008	12.92	68.30	826.81	813.89
MW-0503-S2	11/11/2008	18.80	68.19	826.81	808.01
MW-0503-S2	2/17/2009	15.41	NM	826.81	811.40
MW-0503-S2	6/12/2009	13.57	NM	826.81	813.24
MW-0503-S2	3/10/2016	13.46	NM	826.81	813.35
MW-0503-S2	9/7/2016	14.76	67.89	826.81	812.05
MW-0503-S2	11/16/2016	14.69	NM	826.81	812.12
MW-0504-I2	10/18/2005	19.66	39.87	826.51	806.85
MW-0504-I2	10/25/2005	13.03	39.87	826.51	813.48
MW-0504-I2	3/27/2006	11.53	39.61	826.51	814.98
MW-0504-I2	3/31/2006	10.71	39.61	826.51	815.80
MW-0504-I2	4/28/2006	11.19	NM	826.51	815.32
MW-0504-I2	12/5/2006	10.08	NM	826.51	816.43
MW-0504-I2	3/8/2007	11.60	39.65	826.51	814.91
MW-0504-I2	1/16/2008	11.67	39.80	826.51	814.84
MW-0504-I2	11/11/2008	14.84	39.71	826.51	811.67
MW-0504-I2	2/17/2009	12.99	NM	826.51	813.52
MW-0504-S1	9/20/2005	12.51	29.73	826.15	813.64
MW-0504-S1	10/18/2005	12.25	29.19	826.15	813.90
MW-0504-S1	10/25/2005	12.23	29.19	826.15	813.92
MW-0504-S1	3/27/2006	11.10	28.69	826.15	815.05
MW-0504-S1	3/31/2006	10.33	28.69	826.15	815.82
MW-0504-S1	4/28/2006	10.88	NM	826.15	815.27
MW-0504-S1	12/5/2006	10.78	NM	826.15	815.37
MW-0504-S1	3/8/2007	10.68	30.82	826.15	815.47
MW-0504-S1	1/16/2008	11.25	30.90	826.15	814.90
MW-0504-S1	11/11/2008	14.40	30.76	826.15	811.75
MW-0504-S1	2/17/2009	12.58	NM	826.15	813.57
MW-0504-S1	6/12/2009	11.51	NM	826.15	814.64
MW-0504-S1	10/9/2012	13.84	30.71	826.15	812.31
MW-0504-S1	3/12/2013	12.02	30.71	826.15	814.13
MW-0504-S1	9/24/2013	12.90	30.98	826.15	813.25
MW-0504-S1	4/22/2014	11.81	30.91	826.15	814.34
MW-0504-S1	9/3/2014	13.21	31.71	826.15	812.94
MW-0504-S1	3/10/2015	12.22	30.55	826.15	813.93
MW-0504-S1	9/8/2015	12.38	30.15	826.15	813.77
MW-0504-S1	3/10/2016	11.84	30.76	826.15	814.31
MW-0504-S1	9/7/2016	12.58	30.50	826.15	813.57
MW-0504-S1	11/16/2016	12.80	NM	826.15	813.35
MW-0504-S2	3/27/2006	10.23	60.45	826.41	816.18
MW-0504-S2	3/31/2006	9.38	60.45	826.41	817.03
MW-0504-S2	4/28/2006	10.11	NM	826.41	816.30

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0504-S2	12/5/2006	8.70	NM	826.41	817.71
MW-0504-S2	3/8/2007	10.00	60.52	826.41	816.41
MW-0504-S2	1/16/2008	12.50	60.63	826.41	813.91
MW-0504-S2	11/11/2008	18.46	60.55	826.41	807.95
MW-0504-S2	2/17/2009	14.97	NM	826.41	811.44
MW-0504-S2	6/12/2009	13.14	NM	826.41	813.27
MW-0504-S2	3/10/2016	13.06	NM	826.41	813.35
MW-0504-S2	9/7/2016	15.76	60.43	826.41	810.65
MW-0504-S2	11/16/2016	14.31	NM	826.41	812.10
MW-0505-B1	12/5/2006	8.69	NM	826.5	817.81
MW-0505-B1	3/8/2007	8.98	83.90	826.5	817.52
MW-0505-B1	1/16/2008	11.56	83.95	826.5	814.94
MW-0505-B1	11/11/2008	17.51	83.90	826.5	808.99
MW-0505-B1	2/17/2009	14.06	NM	826.5	812.44
MW-0505-B1	6/12/2009	12.18	NM	826.5	814.32
MW-0505-B1	4/13/2010	11.21	83.97	826.5	815.29
MW-0505-B1	9/5/2010	16.22	84.00	826.5	810.28
MW-0505-B1	4/20/2011	11.65	83.82	826.5	814.85
MW-0505-B1	9/27/2011	14.56	84.08	826.5	811.94
MW-0505-B1	9/3/2015	Abandoned Well			
MW-0505-S1	9/20/2005	11.42	39.00	825.44	814.02
MW-0505-S1	10/19/2005	11.19	40.28	825.44	814.25
MW-0505-S1	10/25/2005	11.16	40.28	825.44	814.28
MW-0505-S1	3/23/2006	9.70	40.00	825.44	815.74
MW-0505-S1	3/31/2006	8.93	40.00	825.44	816.51
MW-0505-S1	4/28/2006	9.69	NM	825.44	815.75
MW-0505-S1	12/5/2006	8.52	NM	825.44	816.92
MW-0505-S1	3/8/2007	9.48	40.71	825.44	815.96
MW-0505-S1	1/16/2008	10.15	40.80	825.44	815.29
MW-0505-S1	11/11/2008	13.46	40.65	825.44	811.98
MW-0505-S1	2/17/2009	11.63	NM	825.44	813.81
MW-0505-S1	6/12/2009	10.34	NM	825.44	815.10
MW-0505-S1	10/9/2012	12.47	40.67	825.44	812.97
MW-0505-S1	3/12/2013	11.02	40.67	825.44	814.42
MW-0505-S1	9/24/2013	11.85	40.84	825.44	813.59
MW-0505-S1	4/22/2014	10.64	40.41	825.44	814.80
MW-0505-S1	9/3/2014	12.20	40.80	825.44	813.24
MW-0505-S1	3/10/2015	11.17	40.75	825.44	814.27
MW-0505-S1	9/8/2015	11.30	40.52	825.44	814.14
MW-0505-S1	3/10/2016	10.77	40.75	825.44	814.67
MW-0505-S1	9/7/2016	11.53	40.71	825.44	813.91
MW-0505-S1	11/16/2016	11.78	NM	825.44	813.66
MW-0505-S2	10/19/2005	12.37	67.63	825.06	812.69
MW-0505-S2	10/25/2005	11.42	67.63	825.06	813.64

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0505-S2	3/23/2006	9.59	67.32	825.06	815.47
MW-0505-S2	3/31/2006	8.74	67.32	825.06	816.32
MW-0505-S2	4/28/2006	9.65	NM	825.06	815.41
MW-0505-S2	12/5/2006	7.27	NM	825.06	817.79
MW-0505-S2	3/8/2007	8.55	67.45	825.06	816.51
MW-0505-S2	1/16/2008	11.10	67.50	825.06	813.96
MW-0505-S2	11/11/2008	17.04	67.45	825.06	808.02
MW-0505-S2	2/17/2009	13.63	NM	825.06	811.43
MW-0505-S2	6/12/2009	11.76	NM	825.06	813.30
MW-0505-S2	4/13/2010	11.74	67.38	825.06	813.32
MW-0505-S2	9/5/2010	15.76	67.50	825.06	809.30
MW-0505-S2	4/20/2011	11.23	67.35	825.06	813.83
MW-0505-S2	9/27/2011	13.51	67.60	825.06	811.55
MW-0505-S2	3/29/2012	11.03	67.55	825.06	814.03
MW-0505-S2	10/9/2012	16.46	67.46	825.06	808.60
MW-0505-S2	3/12/2013	11.58	67.46	825.06	813.48
MW-0505-S2	9/24/2013	14.10	67.52	825.06	810.96
MW-0505-S2	4/22/2014	11.99	67.59	825.06	813.07
MW-0505-S2	9/3/2014	15.65	68.81	825.06	809.41
MW-0505-S2	3/10/2015	13.18	NM	825.06	811.88
MW-0505-S2	9/8/2015	13.60	67.43	825.06	811.46
MW-0505-S2	3/10/2016	11.63	NM	825.06	813.43
MW-0505-S2	9/7/2016	14.17	67.56	825.06	810.89
MW-0505-S2	11/16/2016	12.87	NM	825.06	812.19
MW-0506-I2	10/19/2005	24.10	47.56	827.18	803.08
MW-0506-I2	10/25/2005	22.82	47.56	827.18	804.36
MW-0506-I2	3/27/2006	17.97	47.27	827.18	809.21
MW-0506-I2	3/31/2006	17.15	47.27	827.18	810.03
MW-0506-I2	4/28/2006	20.02	NM	827.18	807.16
MW-0506-I2	12/5/2006	19.82	NM	827.18	807.36
MW-0506-I2	3/8/2007	15.48	47.35	827.18	811.70
MW-0506-I2	1/16/2008	14.57	47.50	827.18	812.61
MW-0506-I2	11/11/2008	15.71	47.38	827.18	811.47
MW-0506-I2	2/17/2009	16.63	NM	827.18	810.55
MW-0506-S1	10/19/2005	13.11	34.84	826.88	813.77
MW-0506-S1	10/25/2005	13.11	34.84	826.88	813.77
MW-0506-S1	3/27/2006	11.96	34.55	826.88	814.92
MW-0506-S1	3/31/2006	11.19	34.55	826.88	815.69
MW-0506-S1	4/28/2006	11.76	NM	826.88	815.12
MW-0506-S1	12/5/2006	10.72	NM	826.88	816.16
MW-0506-S1	3/8/2007	11.54	34.62	826.88	815.34
MW-0506-S1	1/16/2008	12.21	34.35	826.88	814.67
MW-0506-S1	11/11/2008	15.21	34.65	826.88	811.67
MW-0506-S1	2/17/2009	13.40	NM	826.88	813.48

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0506-S1	6/12/2009	12.38	NM	826.88	814.50
MW-0506-S1	10/9/2012	14.65	34.69	826.88	812.23
MW-0506-S1	3/12/2013	12.85	34.69	826.88	814.03
MW-0506-S1	9/24/2013	13.74	34.78	826.88	813.14
MW-0506-S1	4/22/2014	12.67	34.71	826.88	814.21
MW-0506-S1	9/3/2014	14.02	34.75	826.88	812.86
MW-0506-S1	3/10/2015	13.06	34.76	826.88	813.82
MW-0506-S1	9/8/2015	13.24	34.50	826.88	813.64
MW-0506-S1	3/10/2016	12.68	34.86	826.88	814.2
MW-0506-S1	9/7/2016	13.36	34.80	826.88	813.52
MW-0506-S1	11/16/2016	13.64	NM	826.88	813.24
MW-0506-S2	10/19/2005	13.58	72.52	827.1	813.52
MW-0506-S2	10/25/2005	13.58	72.52	827.1	813.52
MW-0506-S2	3/27/2006	11.95	72.24	827.1	815.15
MW-0506-S2	3/31/2006	11.10	72.24	827.1	816.00
MW-0506-S2	4/28/2006	10.84	NM	827.1	816.26
MW-0506-S2	12/5/2006	9.43	NM	827.1	817.67
MW-0506-S2	3/8/2007	11.72	72.26	827.1	815.38
MW-0506-S2	1/16/2008	13.20	72.40	827.1	813.90
MW-0506-S2	11/11/2008	19.11	72.35	827.1	807.99
MW-0506-S2	2/17/2009	15.69	NM	827.1	811.41
MW-0506-S2	6/12/2009	13.87	NM	827.1	813.23
MW-0506-S2	3/29/2012	13.13	72.41	827.1	813.97
MW-0506-S2	10/9/2012	18.51	72.38	827.1	808.59
MW-0506-S2	3/12/2013	13.66	72.38	827.1	813.44
MW-0506-S2	9/24/2013	16.20	72.44	827.1	810.90
MW-0506-S2	4/22/2014	14.13	72.56	827.1	812.97
MW-0506-S2	9/3/2014	17.70	73.52	827.1	809.40
MW-0506-S2	3/10/2015	15.27	NM	827.1	811.83
MW-0506-S2	9/8/2015	13.74	72.14	827.1	813.36
MW-0506-S2	3/10/2016	13.67	NM	827.1	813.43
MW-0506-S2	9/7/2016	16.08	72.45	827.1	811.02
MW-0506-S2	11/16/2016	13.53	NM	827.1	813.57
MW-0507-S1	10/19/2005	13.15	33.49	827.19	814.04
MW-0507-S1	10/25/2005	13.12	33.49	827.19	814.07
MW-0507-S1	3/27/2006	11.86	33.18	827.19	815.33
MW-0507-S1	3/31/2006	11.09	33.18	827.19	816.10
MW-0507-S1	4/28/2006	11.69	NM	827.19	815.50
MW-0507-S1	12/5/2006	10.58	NM	827.19	816.61
MW-0507-S1	3/8/2007	11.48	33.19	827.19	815.71
MW-0507-S1	1/16/2008	12.18	33.35	827.19	815.01
MW-0507-S1	11/11/2008	15.27	33.15	827.19	811.92
MW-0507-S1	2/17/2009	13.50	NM	827.19	813.69
MW-0507-S1	6/12/2009	12.33	NM	827.19	814.86

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0507-S1	4/13/2010	12.13	33.27	827.19	815.06
MW-0507-S1	9/5/2010	14.61	33.20	827.19	812.58
MW-0507-S1	4/20/2011	11.54	33.16	827.19	815.65
MW-0507-S1	9/27/2011	12.60	33.35	827.19	814.59
MW-0507-S1	3/29/2012	12.41	33.32	827.19	814.78
MW-0507-S1	10/9/2012	14.74	33.11	827.19	812.45
MW-0507-S1	3/12/2013	12.92	33.11	827.19	814.27
MW-0507-S1	9/24/2013	13.78	33.32	827.19	813.41
MW-0507-S1	4/22/2014	12.63	33.37	827.19	814.56
MW-0507-S1	9/3/2014	14.08	33.29	827.19	813.11
MW-0507-S1	3/10/2015	13.08	32.88	827.19	814.11
MW-0507-S1	9/8/2015	13.23	32.40	827.19	813.96
MW-0507-S1	3/10/2016	12.71	32.39	827.19	814.48
MW-0507-S1	9/7/2016	13.36	33.08	827.19	813.83
MW-0507-S1	11/16/2016	13.69	NM	827.19	813.5
MW-0509-I2	10/19/2005	12.58	55.96	826.32	813.74
MW-0509-I2	10/25/2005	12.66	55.96	826.32	813.66
MW-0509-I2	3/23/2006	9.87	55.65	826.32	816.45
MW-0509-I2	3/31/2006	9.05	55.65	826.32	817.27
MW-0509-I2	4/28/2006	9.81	NM	826.32	816.51
MW-0509-I2	12/5/2006	8.36	55.74	826.32	817.96
MW-0509-I2	3/8/2007	9.68	55.67	826.32	816.64
MW-0509-I2	1/16/2008	12.37	55.79	826.32	813.95
MW-0509-I2	11/11/2008	18.42	55.60	826.32	807.90
MW-0509-I2	2/17/2009	14.94	NM	826.32	811.38
MW-0509-S1	9/20/2005	12.18	38.00	826.33	814.15
MW-0509-S1	10/25/2005	11.92	38.11	826.33	814.41
MW-0509-S1	3/23/2006	10.43	37.82	826.33	815.90
MW-0509-S1	3/31/2006	9.66	37.82	826.33	816.67
MW-0509-S1	4/28/2006	10.35	NM	826.33	815.98
MW-0509-S1	12/5/2006	9.20	37.90	826.33	817.13
MW-0509-S1	3/8/2007	10.20	37.89	826.33	816.13
MW-0509-S1	1/16/2008	10.89	38.00	826.33	815.44
MW-0509-S1	11/11/2008	14.24	37.92	826.33	812.09
MW-0509-S1	2/17/2009	12.38	NM	826.33	813.95
MW-0509-S1	6/12/2009	11.04	NM	826.33	815.29
MW-0509-S1	4/13/2010	10.82	37.91	826.33	815.51
MW-0509-S1	9/5/2010	13.45	37.90	826.33	812.88
MW-0509-S1	4/20/2011	10.29	37.85	826.33	816.04
MW-0509-S1	9/27/2011	11.43	38.08	826.33	814.90
MW-0509-S1	3/29/2012	11.13	38.00	826.33	815.20
MW-0509-S1	10/9/2012	13.65	37.98	826.33	812.68
MW-0509-S1	3/12/2013	13.45	37.98	826.33	812.88
MW-0509-S1	9/24/2013	12.62	38.03	826.33	813.71

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0509-S1	4/22/2014	11.35	38.06	826.33	814.98
MW-0509-S1	9/3/2914	12.98	38.02	826.33	813.35
MW-0509-S1	3/10/2015	11.89	38.03	826.33	814.44
MW-0509-S1	9/8/2015	12.03	37.88	826.33	814.30
MW-0509-S1	3/10/2016	11.51	38.01	826.33	814.82
MW-0509-S1	9/7/2016	12.27	38.05	826.33	814.06
MW-0509-S1	11/16/2016	12.55	NM	826.33	813.78
MW-0516-S1	10/19/2005	13.42	32.88	827.98	814.56
MW-0516-S1	10/25/2005	13.42	32.88	827.98	814.56
MW-0516-S1	3/23/2006	11.88	32.61	827.98	816.10
MW-0516-S1	3/31/2006	11.13	32.61	827.98	816.85
MW-0516-S1	4/28/2006	11.78	NM	827.98	816.20
MW-0516-S1	12/5/2006	10.11	NM	827.98	817.87
MW-0516-S1	3/8/2007	11.59	32.66	827.98	816.39
MW-0516-S1	1/16/2008	12.35	32.40	827.98	815.63
MW-0516-S1	11/11/2008	15.74	32.60	827.98	812.24
MW-0516-S1	2/17/2009	14.00	NM	827.98	813.98
MW-0516-S1	6/12/2009	12.52	NM	827.98	815.46
MW-0516-S1	4/13/2010	12.24	32.70	827.98	815.74
MW-0516-S1	9/5/2010	14.96	32.65	827.98	813.02
MW-0516-S1	4/20/2011	11.31	32.60	827.98	816.67
MW-0516-S1	9/27/2011	12.92	32.84	827.98	815.06
MW-0516-S1	3/29/2012	12.59	32.80	827.98	815.39
MW-0516-S1	10/9/2012	15.16	32.60	827.98	812.82
MW-0516-S1	3/12/2013	13.33	32.60	827.98	814.65
MW-0516-S1	9/24/2013	14.08	32.79	827.98	813.90
MW-0516-S1	4/22/2014	12.74	32.80	827.98	815.24
MW-0516-S1	9/3/2014	14.46	32.84	827.98	813.52
MW-0516-S1	3/10/2015	13.40	32.80	827.98	814.58
MW-0516-S1	9/8/2015	13.55	32.78	827.98	814.43
MW-0516-S1	3/10/2016	12.94	32.78	827.98	815.04
MW-0516-S1	9/7/2016	13.71	32.71	828.98	815.27
MW-0516-S1	11/16/2016	13.98	NM	828.98	815
MW-0516-S2	10/20/2005	14.37	68.38	827.97	813.60
MW-0516-S2	10/25/2005	14.38	68.38	827.97	813.59
MW-0516-S2	3/23/2006	11.46	68.05	827.97	816.51
MW-0516-S2	3/31/2006	10.61	68.05	827.97	817.36
MW-0516-S2	4/28/2006	11.55	NM	827.97	816.42
MW-0516-S2	12/5/2006	10.55	NM	827.97	817.42
MW-0516-S2	3/8/2007	11.40	68.11	827.97	816.57
MW-0516-S2	1/16/2008	14.11	68.26	827.97	813.86
MW-0516-S2	11/11/2008	19.99	68.05	827.97	807.98
MW-0516-S2	2/17/2009	16.58	NM	827.97	811.39
MW-0516-S2	6/12/2009	14.71	NM	827.97	813.26

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0516-S2	4/13/2010	13.72	68.18	827.97	814.25
MW-0516-S2	4/20/2011	14.02	68.10	827.97	813.95
MW-0516-S2	3/12/2013	14.38	68.10	827.97	813.59
MW-0516-S2	9/24/2013	17.03	68.26	827.97	810.94
MW-0516-S2	4/22/2014	14.92	69.09	827.97	813.05
MW-0516-S2	9/3/2014	18.61	69.48	827.97	809.36
MW-0516-S2	3/10/2015	16.16	NM	827.97	811.81
MW-0516-S2	9/8/2015	14.52	69.38	827.97	813.45
MW-0516-S2	3/10/2016	14.58	68.79	827.97	813.39
MW-0516-S2	9/7/2016	17.16	68.32	828.97	811.81
MW-0516-S2	11/16/2016	15.78	NM	828.97	813.19
MW-0517-I2	10/18/2005	13.02	40.13	826.56	813.54
MW-0517-I2	10/25/2005	12.45	40.13	826.56	814.11
MW-0517-I2	3/22/2006	10.25	39.89	826.56	816.31
MW-0517-I2	3/31/2006	9.45	39.89	826.56	817.11
MW-0517-I2	4/28/2006	10.73	NM	826.56	815.83
MW-0517-I2	12/5/2006	10.10	NM	826.56	816.46
MW-0517-I2	3/8/2007	10.61	39.90	826.56	815.95
MW-0517-I2	1/16/2008	12.55	40.05	826.56	814.01
MW-0517-I2	11/11/2008	15.14	39.96	826.56	811.42
MW-0517-I2	2/17/2009	13.32	NM	826.56	813.24
MW-0517-S1	9/20/2005	12.44	30.72	826.47	814.03
MW-0517-S1	10/18/2005	12.17	30.85	826.47	814.30
MW-0517-S1	10/25/2005	12.17	30.85	826.47	814.30
MW-0517-S1	3/22/2006	10.70	30.63	826.47	815.77
MW-0517-S1	3/31/2006	9.91	30.63	826.47	816.56
MW-0517-S1	4/28/2006	10.64	NM	826.47	815.83
MW-0517-S1	12/5/2006	9.48	NM	826.47	816.99
MW-0517-S1	3/8/2007	10.42	30.51	826.47	816.05
MW-0517-S1	1/16/2008	11.23	30.70	826.47	815.24
MW-0517-S1	11/11/2008	14.47	30.60	826.47	812.00
MW-0517-S1	2/17/2009	12.65	NM	826.47	813.82
MW-0517-S1	6/12/2009	11.34	NM	826.47	815.13
MW-0517-S1	10/9/2012	13.88	30.62	826.47	812.59
MW-0517-S1	3/12/2013	11.98	30.62	826.47	814.49
MW-0517-S1	9/24/2013	12.87	30.75	826.47	813.60
MW-0517-S1	4/22/2014	11.65	30.76	826.47	814.82
MW-0517-S1	9/3/2014	13.20	30.32	826.47	813.27
MW-0517-S1	3/10/2015	12.17	30.07	826.47	814.30
MW-0517-S1	9/8/2015	12.27	29.78	826.47	814.20
MW-0517-S1	3/10/2016	11.77	29.86	826.47	814.70
MW-0517-S1	9/7/2016	12.51	29.76	827.47	814.96
MW-0517-S1	11/16/2016	12.76	NM	827.47	814.71
MW-0602-B1	3/24/2006	9.12	86.17	825.36	816.24

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0602-B1	3/31/2006	8.32	86.17	825.36	817.04
MW-0602-B1	4/28/2006	9.16	NM	825.36	816.20
MW-0602-B1	12/5/2006	7.78	NM	825.36	817.58
MW-0602-B1	3/8/2007	9.03	86.21	825.36	816.33
MW-0602-B1	1/16/2008	11.55	86.25	825.36	813.81
MW-0602-B1	11/11/2008	17.37	86.27	825.36	807.99
MW-0602-B1	2/17/2009	13.94	NM	825.36	811.42
MW-0602-B1	6/12/2009	12.16	NM	825.36	813.20
MW-0602-B1	4/13/2010	11.04	86.31	825.36	814.32
MW-0602-B1	9/5/2010	16.11	86.90	825.36	809.25
MW-0602-B1	4/20/2011	11.61	86.19	825.36	813.75
MW-0602-B1	9/27/2011	13.80	86.45	825.36	811.56
MW-0602-B1	9/4/2015	Abandoned Well			
MW-0602-S1	3/24/2006	11.70	28.31	825.3	813.60
MW-0602-S1	3/31/2006	10.93	28.31	825.3	814.37
MW-0602-S1	4/28/2006	10.90	NM	825.3	814.40
MW-0602-S1	12/5/2006	9.94	NM	825.3	815.36
MW-0602-S1	3/8/2007	10.68	27.20	825.3	814.62
MW-0602-S1	1/16/2008	11.10	27.41	825.3	814.20
MW-0602-S1	11/11/2008	13.93	27.11	825.3	811.37
MW-0602-S1	2/17/2009	12.20	NM	825.3	813.10
MW-0602-S1	6/12/2009	11.71	NM	825.3	813.59
MW-0602-S1	4/13/2010	11.36	27.31	825.3	813.94
MW-0602-S1	9/5/2010	12.79	27.24	825.3	812.51
MW-0602-S1	4/20/2011	11.01	27.07	825.3	814.29
MW-0602-S1	9/27/2011	11.65	27.39	825.3	813.65
MW-0602-S1	3/29/2012	11.30	27.20	825.3	814.00
MW-0602-S1	10/9/2012	12.64	27.00	825.3	812.66
MW-0602-S1	3/12/2013	11.62	27.00	825.3	813.68
MW-0602-S1	9/24/2013	12.64	27.20	825.3	812.66
MW-0602-S1	4/22/2014	11.52	24.09	825.3	813.78
MW-0602-S1	9/3/2014	12.79	27.06	825.3	812.51
MW-0602-S1	3/10/2015	12.04	26.96	825.3	813.26
MW-0602-S1	9/8/2015	NM	NM	825.3	NM
MW-0602-S1	3/10/2016	12.01	27.03	825.3	813.29
MW-0602-S1	9/7/2016	12.02	26.90	826.3	814.28
MW-0602-S1	11/16/2016	13.22	NM	826.3	813.08
MW-0603-B1	3/24/2006	9.70	83.40	826.2	816.50
MW-0603-B1	3/31/2006	8.92	83.40	826.2	817.28
MW-0603-B1	4/28/2006	9.76	NM	826.2	816.44
MW-0603-B1	12/5/2006	8.35	NM	826.2	817.85
MW-0603-B1	3/8/2007	9.64	83.32	826.2	816.56
MW-0603-B1	1/16/2008	12.13	83.48	826.2	814.07
MW-0603-B1	11/11/2008	18.04	83.24	826.2	808.16

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0603-B1	2/17/2009	14.69	NM	826.2	811.51
MW-0603-B1	6/12/2009	12.86	NM	826.2	813.34
MW-0603-B1	4/13/2010	11.82	83.38	826.2	814.38
MW-0603-B1	9/5/2010	16.78	83.35	826.2	809.42
MW-0603-B1	4/20/2011	12.27	83.22	826.2	813.93
MW-0603-B1	9/27/2011	14.47	83.55	826.2	811.73
MW-0603-B1	3/10/2016	12.70	83.37	826.2	813.50
MW-0603-S1	3/24/2006	10.79	24.38	826.09	815.30
MW-0603-S1	3/31/2006	10.02	24.38	826.09	816.07
MW-0603-S1	4/28/2006	10.71	NM	826.09	815.38
MW-0603-S1	12/5/2006	9.59	NM	826.09	816.50
MW-0603-S1	3/8/2007	10.46	24.12	826.09	815.63
MW-0603-S1	1/16/2008	11.06	24.33	826.09	815.03
MW-0603-S1	11/11/2008	14.15	24.15	826.09	811.94
MW-0603-S1	2/17/2009	12.35	NM	826.09	813.74
MW-0603-S1	6/12/2009	11.25	NM	826.09	814.84
MW-0603-S1	4/13/2010	11.06	24.31	826.09	815.03
MW-0603-S1	9/5/2010	13.46	24.20	826.09	812.63
MW-0603-S1	4/20/2011	10.44	24.10	826.09	815.65
MW-0603-S1	9/27/2011	11.53	24.22	826.09	814.56
MW-0603-S1	3/29/2012	11.33	24.15	826.09	814.76
MW-0603-S1	10/9/2012	13.55	24.00	826.09	812.54
MW-0603-S1	3/12/2013	11.85	24.00	826.09	814.24
MW-0603-S1	9/24/2013	12.65	24.18	826.09	813.44
MW-0603-S1	4/22/2014	11.52	24.09	826.09	814.57
MW-0603-S1	9/3/2014	12.91	24.78	826.09	813.18
MW-0603-S1	3/10/2015	11.96	24.05	826.09	814.13
MW-0603-S1	9/8/2015	12.14	24.07	826.09	813.95
MW-0603-S1	3/10/2016	11.64	24.04	826.09	814.45
MW-0603-S1	9/7/2016	12.27	24.10	827.09	814.82
MW-0603-S1	11/16/2016	12.76	NM	827.09	814.33
MW-0603-S2	3/24/2006	10.82	69.25	826.1	815.28
MW-0603-S2	3/31/2006	9.97	69.25	826.1	816.13
MW-0603-S2	4/28/2006	9.89	NM	826.1	816.21
MW-0603-S2	12/5/2006	8.46	NM	826.1	817.64
MW-0603-S2	3/8/2007	9.78	69.27	826.1	816.32
MW-0603-S2	1/16/2008	12.35	69.41	826.1	813.75
MW-0603-S2	11/11/2008	18.17	69.21	826.1	807.93
MW-0603-S2	2/17/2009	14.83	NM	826.1	811.27
MW-0603-S2	6/12/2009	12.98	NM	826.1	813.12
MW-0603-S2	4/13/2010	11.96	69.35	826.1	814.14
MW-0603-S2	9/5/2010	16.72	69.25	826.1	809.38
MW-0603-S2	4/20/2011	12.19	69.04	826.1	813.91
MW-0603-S2	9/27/2011	14.39	69.35	826.1	811.71

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0603-S2	3/29/2012	12.07	69.28	826.1	814.03
MW-0603-S2	10/9/2012	17.45	69.15	826.1	808.65
MW-0603-S2	3/12/2013	12.45	69.15	826.1	813.65
MW-0603-S2	9/24/2013	15.09	69.29	826.1	811.01
MW-0603-S2	4/22/2014	13.02	70.65	826.1	813.08
MW-0603-S2	9/3/2014	16.67	83.45	826.1	809.43
MW-0603-S2	3/10/2015	11.96	84.05	826.1	814.14
MW-0603-S2	9/8/2015	12.83	84.50	826.1	813.27
MW-0603-S2	9/3/2015	Abandoned Well			
MW-0604-S1	3/22/2006	10.65	29.41	826.28	815.63
MW-0604-S1	3/31/2006	9.87	29.41	826.28	816.41
MW-0604-S1	4/28/2006	10.59	NM	826.28	815.69
MW-0604-S1	12/5/2006	9.45	NM	826.28	816.83
MW-0604-S1	3/8/2007	10.37	28.81	826.28	815.91
MW-0604-S1	1/16/2008	11.15	28.95	826.28	815.13
MW-0604-S1	11/11/2008	14.27	28.73	826.28	812.01
MW-0604-S1	2/17/2009	12.51	NM	826.28	813.77
MW-0604-S1	6/12/2009	11.26	NM	826.28	815.02
MW-0604-S1	10/9/2012	13.73	28.78	826.28	812.55
MW-0604-S1	3/12/2013	11.87	28.78	826.28	814.41
MW-0604-S1	9/24/2013	12.74	28.91	826.28	813.54
MW-0604-S1	4/22/2014	11.59	28.98	826.28	814.69
MW-0604-S1	9/3/2014	13.09	28.41	826.28	813.19
MW-0604-S1	3/10/2015	12.06	28.58	826.28	814.22
MW-0604-S1	9/8/2015	12.13	27.94	826.28	814.15
MW-0604-S1	3/10/2016	11.66	28.18	826.28	814.62
MW-0604-S1	9/7/2016	12.40	28.24	826.28	813.88
MW-0604-S1	11/16/2016	12.64	NM	826.28	813.64
MW-0604-S2	3/22/2006	10.02	61.06	826.44	816.42
MW-0604-S2	3/31/2006	9.27	61.06	826.44	817.17
MW-0604-S2	4/28/2006	10.13	NM	826.44	816.31
MW-0604-S2	12/5/2006	8.70	NM	826.44	817.74
MW-0604-S2	3/8/2007	9.93	61.12	826.44	816.51
MW-0604-S2	1/16/2008	12.51	61.21	826.44	813.93
MW-0604-S2	11/11/2008	18.45	61.05	826.44	807.99
MW-0604-S2	2/17/2009	15.02	NM	826.44	811.42
MW-0604-S2	6/12/2009	13.17	NM	826.44	813.27
MW-0604-S2	4/13/2010	12.17	61.10	826.44	814.27
MW-0604-S2	9/5/2010	17.17	61.55	826.44	809.27
MW-0604-S2	4/20/2011	12.63	61.00	826.44	813.81
MW-0604-S2	9/27/2011	14.89	61.32	826.44	811.55
MW-0604-S2	3/29/2012	12.41	61.23	826.44	814.03
MW-0604-S2	10/9/2012	17.88	61.14	826.44	808.56
MW-0604-S2	3/12/2013	13.01	61.14	826.44	813.43

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0604-S2	9/24/2013	15.49	61.22	826.44	810.95
MW-0604-S2	4/22/2014	13.49	61.26	826.44	812.95
MW-0604-S2	9/3/2014	17.02	61.20	826.44	809.42
MW-0604-S2	3/10/2015	14.59	NM	826.44	811.85
MW-0604-S2	9/8/2015	12.97	61.11	826.44	813.47
MW-0604-S2	3/10/2016	12.98	NM	826.44	813.46
MW-0604-S2	9/7/2016	15.49	61.24	826.44	810.95
MW-0604-S2	11/16/2016	14.30	NM	826.44	812.14
MW-0605-B1	3/22/2006	10.79	89.55	827.44	816.65
MW-0605-B1	3/31/2006	9.99	89.55	827.44	817.45
MW-0605-B1	4/28/2006	10.95	NM	827.44	816.49
MW-0605-B1	12/5/2006	9.49	NM	827.44	817.95
MW-0605-B1	3/8/2007	10.77	89.53	827.44	816.67
MW-0605-B1	1/16/2008	13.45	89.65	827.44	813.99
MW-0605-B1	11/11/2008	19.44	89.60	827.44	808.00
MW-0605-B1	2/17/2009	16.04	NM	827.44	811.40
MW-0605-B1	6/12/2009	14.11	NM	827.44	813.33
MW-0605-B1	4/13/2010	13.10	89.85	827.44	814.34
MW-0605-B1	9/5/2010	18.20	89.60	827.44	809.24
MW-0605-B1	4/20/2011	13.61	89.50	827.44	813.83
MW-0605-B1	9/27/2011	15.86	89.75	827.44	811.58
MW-0605-B1	8/24/2015	Abandoned Well			
MW-0605-S1	3/22/2006	11.23	29.83	827.38	816.15
MW-0605-S1	3/31/2006	10.46	29.83	827.38	816.92
MW-0605-S1	4/28/2006	11.19	NM	827.38	816.19
MW-0605-S1	12/5/2006	9.97	NM	827.38	817.41
MW-0605-S1	3/8/2007	10.98	29.64	827.38	816.40
MW-0605-S1	1/16/2008	11.79	29.71	827.38	815.59
MW-0605-S1	11/11/2008	15.14	29.65	827.38	812.24
MW-0605-S1	2/17/2009	13.42	NM	827.38	813.96
MW-0605-S1	6/12/2009	11.91	NM	827.38	815.47
MW-0605-S1	4/13/2010	11.64	29.65	827.38	815.74
MW-0605-S1	9/5/2010	14.37	29.64	827.38	813.01
MW-0605-S1	4/20/2011	11.20	29.50	827.38	816.18
MW-0605-S1	9/27/2011	12.35	29.82	827.38	815.03
MW-0605-S1	3/29/2012	11.90	29.75	827.38	815.48
MW-0605-S1	10/9/2012	14.59	29.50	827.38	812.79
MW-0605-S1	3/12/2013	12.70	29.50	827.38	814.68
MW-0605-S1	9/24/2013	13.55	29.74	827.38	813.83
MW-0605-S1	4/22/2014	12.23	29.71	827.38	815.15
MW-0605-S1	9/3/2014	13.90	30.62	827.38	813.48
MW-0605-S1	3/10/2015	12.83	29.07	827.38	814.55
MW-0605-S1	9/8/2015	12.93	29.00	827.38	814.45
MW-0605-S1	3/10/2016	12.41	29.15	827.38	814.97

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0605-S1	9/7/2016	13.18	29.17	827.38	814.2
MW-0605-S1	11/16/2016	13.49	NM	827.38	813.89
MW-0605-S2	3/22/2006	10.87	61.15	827.38	816.51
MW-0605-S2	3/31/2006	10.02	61.15	827.38	817.36
MW-0605-S2	4/28/2006	10.91	NM	827.38	816.47
MW-0605-S2	12/5/2006	9.44	NM	827.38	817.94
MW-0605-S2	3/8/2007	10.72	61.13	827.38	816.66
MW-0605-S2	1/16/2008	13.36	61.26	827.38	814.02
MW-0605-S2	11/11/2008	19.36	61.12	827.38	808.02
MW-0605-S2	2/17/2009	15.97	NM	827.38	811.41
MW-0605-S2	6/12/2009	14.06	NM	827.38	813.32
MW-0605-S2	4/13/2010	13.05	61.18	827.38	814.33
MW-0605-S2	9/5/2010	18.12	61.20	827.38	809.26
MW-0605-S2	4/20/2011	13.55	61.11	827.38	813.83
MW-0605-S2	9/27/2011	15.82	61.35	827.38	811.56
MW-0605-S2	3/29/2012	13.25	61.28	827.38	814.13
MW-0605-S2	10/9/2012	18.86	61.21	827.38	808.52
MW-0605-S2	3/12/2013	14.06	61.21	827.38	813.32
MW-0605-S2	9/24/2013	16.42	61.25	827.38	810.96
MW-0605-S2	4/22/2014	14.38	62.10	827.38	813.00
MW-0605-S2	9/3/2014	18.09	62.32	827.38	809.29
MW-0605-S2	3/10/2015	NM	NM	827.38	NM
MW-0605-S2	9/8/2015	14.02	61.18	827.38	813.36
MW-0605-S2	3/10/2016	13.91	NM	827.38	813.47
MW-0605-S2	9/7/2016	16.51	61.33	827.38	810.87
MW-0605-S2	11/16/2016	15.18	NM	827.38	812.2
MW-0606-S1	3/23/2006	8.80	31.65	824.1	815.30
MW-0606-S1	3/31/2006	8.03	31.65	824.1	816.07
MW-0606-S1	4/28/2006	8.71	NM	824.1	815.39
MW-0606-S1	12/5/2006	7.67	NM	824.1	816.43
MW-0606-S1	3/8/2007	8.54	31.52	824.1	815.56
MW-0606-S1	11/11/2008	12.36	31.40	824.1	811.74
MW-0606-S1	2/17/2009	10.43	NM	824.1	813.67
MW-0606-S1	6/12/2009	8.38	NM	824.1	815.72
MW-0606-S1	4/13/2010	9.20	31.42	824.1	814.90
MW-0606-S1	10/9/2012	11.72	31.26	824.1	812.38
MW-0606-S1	3/12/2013	9.89	31.26	824.1	814.21
MW-0606-S1	9/24/2013	10.51	31.34	824.1	813.59
MW-0606-S1	4/22/2014	9.71	31.27	824.1	814.39
MW-0606-S1	9/3/2014	11.11	31.25	824.1	812.99
MW-0606-S1	3/10/2015	10.08	30.91	824.1	814.02
MW-0606-S1	9/8/2015	10.27	29.81	824.1	813.83
MW-0606-S1	3/10/2016	9.69	30.82	824.1	814.41
MW-0606-S1	9/7/2016	10.47	30.73	824.1	813.63

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0606-S1	11/16/2016	11.04	NM	824.1	813.06
MW-0606-S2	3/23/2006	7.68	58.83	823.97	816.29
MW-0606-S2	3/31/2006	6.93	58.83	823.97	817.04
MW-0606-S2	4/28/2006	8.72	NM	823.97	815.25
MW-0606-S2	12/5/2006	6.35	NM	823.97	817.62
MW-0606-S2	3/8/2007	7.61	58.67	823.97	816.36
MW-0606-S2	11/11/2008	15.92	58.70	823.97	808.05
MW-0606-S2	2/17/2009	12.51	NM	823.97	811.46
MW-0606-S2	6/12/2009	10.68	NM	823.97	813.29
MW-0606-S2	9/5/2010	14.62	59.00	823.97	809.35
MW-0606-S2	4/20/2011	10.15	58.63	823.97	813.82
MW-0606-S2	9/27/2011	12.38	58.90	823.97	811.59
MW-0606-S2	3/29/2012	10.00	58.80	823.97	813.97
MW-0606-S2	10/9/2012	15.34	58.69	823.97	808.63
MW-0606-S2	3/12/013	10.47	58.69	823.97	813.50
MW-0606-S2	9/24/2013	13.00	58.85	823.97	810.97
MW-0606-S2	4/22/2014	11.06	58.84	823.97	812.91
MW-0606-S2	9/3/2014	14.46	58.82	823.97	809.51
MW-0606-S2	3/10/2015	12.10	NM	823.97	811.87
MW-0606-S2	9/8/2015	10.65	59.35	823.97	813.32
MW-0606-S2	3/10/2016	10.53	58.83	823.97	813.44
MW-0606-S2	9/7/2016	NM	NM	823.97	Covered
MW-0606-S2	11/16/2016	10.01	NM	823.97	Covered
MW-0607-B1	1/16/2008	8.40	77.51	822.768	814.37
MW-0607-B1	11/11/2008	13.99	77.42	822.768	808.78
MW-0607-B1	2/17/2009	10.63	NM	822.768	812.14
MW-0607-B1	6/12/2009	8.95	NM	822.768	813.82
MW-0607-B1	4/13/2010	8.02	77.46	822.768	814.75
MW-0607-B1	9/5/2010	12.50	78.00	822.768	810.27
MW-0607-B1	4/20/2011	8.41	77.44	822.768	814.36
MW-0607-B1	9/27/2011	10.60	77.62	822.768	812.17
MW-0607-B1	9/3/2015	Abandoned Well			
MW-0607-S1	3/24/2006	8.55	26.85	822.65	814.10
MW-0607-S1	3/31/2006	7.78	26.85	822.65	814.87
MW-0607-S1	4/28/2006	8.52	NM	822.65	814.13
MW-0607-S1	12/5/2006	7.68	NM	822.65	814.97
MW-0607-S1	3/8/2007	8.33	26.55	822.65	814.32
MW-0607-S1	1/16/2008	8.88	26.68	822.65	813.77
MW-0607-S1	11/11/2008	11.61	26.50	822.65	811.04
MW-0607-S1	2/17/2009	9.72	NM	822.65	812.93
MW-0607-S1	6/12/2009	9.12	NM	822.65	813.53
MW-0607-S1	4/13/2010	9.00	26.50	822.65	813.65
MW-0607-S1	9/5/2010	10.98	26.50	822.65	811.67
MW-0607-S1	4/20/2011	8.49	26.42	822.65	814.16

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0607-S1	9/27/2011	9.31	26.40	822.65	813.34
MW-0607-S1	3/29/2012	9.26	26.27	822.65	813.39
MW-0607-S1	10/9/2012	11.05	26.00	822.65	811.60
MW-0607-S1	3/12/2013	9.40	26.00	822.65	813.25
MW-0607-S1	9/24/2013	10.30	26.25	822.65	812.35
MW-0607-S1	4/22/2014	9.53	26.16	822.65	813.12
MW-0607-S1	9/3/2014	10.53	26.23	822.65	812.12
MW-0607-S1	3/10/2015	9.69	26.27	822.65	812.96
MW-0607-S1	9/8/2015	9.82	26.17	822.65	812.83
MW-0607-S1	3/10/2016	9.29	29.14	822.65	813.36
MW-0607-S1	9/7/2016	9.96	26.13	822.65	812.69
MW-0607-S1	11/16/2016	10.98	NM	822.65	811.67
MW-0607-S2	3/8/2007	7.00	50.51	823.06	816.06
MW-0607-S2	1/16/2008	9.27	50.65	823.06	813.79
MW-0607-S2	11/11/2008	14.91	50.57	823.06	808.15
MW-0607-S2	2/17/2009	11.53	NM	823.06	811.53
MW-0607-S2	6/12/2009	9.83	NM	823.06	813.23
MW-0607-S2	4/13/2010	8.78	50.58	823.06	814.28
MW-0607-S2	9/5/2010	13.63	57.05	823.06	809.43
MW-0607-S2	4/20/2011	9.15	50.47	823.06	813.91
MW-0607-S2	9/27/2011	11.47	50.72	823.06	811.59
MW-0607-S2	3/29/2012	9.21	50.68	823.06	813.85
MW-0607-S2	10/9/2012	14.27	50.66	823.06	808.79
MW-0607-S2	3/12/2013	9.56	50.66	823.06	813.50
MW-0607-S2	9/24/2013	12.10	50.74	823.06	810.96
MW-0607-S2	4/22/2014	10.16	50.68	823.06	812.90
MW-0607-S2	9/3/2014	13.42	50.66	823.06	809.64
MW-0607-S2	3/10/2015	11.22	NM	823.06	811.84
MW-0607-S2	9/8/2015	9.91	46.85	823.06	813.15
MW-0607-S2	3/10/2016	9.77	50.69	823.06	813.29
MW-0607-S2	9/7/2016	12.05	50.89	823.06	811.01
MW-0607-S2	11/16/2016	11.03	NM	823.06	812.03
MW-0608-B1	3/23/2006	9.84	91.07	825.97	816.13
MW-0608-B1	3/31/2006	9.05	91.07	825.97	816.92
MW-0608-B1	4/28/2006	9.79	NM	825.97	816.18
MW-0608-B1	12/5/2006	8.51	NM	825.97	817.46
MW-0608-B1	3/8/2007	9.72	89.59	825.97	816.25
MW-0608-B1	1/16/2008	12.18	89.67	825.97	813.79
MW-0608-B1	11/11/2008	17.90	89.65	825.97	808.07
MW-0608-B1	2/17/2009	14.49	NM	825.97	811.48
MW-0608-B1	6/12/2009	12.72	NM	825.97	813.25
MW-0608-B1	4/13/2010	11.69	83.99	825.97	814.28
MW-0608-B1	9/5/2010	16.58	90.08	825.97	809.39
MW-0608-B1	4/20/2011	12.25	89.52	825.97	813.72

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0608-B1	9/27/2011	14.36	89.75	825.97	811.61
MW-0608-B1	9/3/2015	Abandoned Well			
MW-0608-S1	3/23/2006	11.74	30.81	825.97	814.23
MW-0608-S1	3/31/2006	10.97	30.81	825.97	815.00
MW-0608-S1	4/28/2006	11.66	NM	825.97	814.31
MW-0608-S1	12/5/2006	10.73	NM	825.97	815.24
MW-0608-S1	3/8/2007	11.43	30.38	825.97	814.54
MW-0608-S1	1/16/2008	11.94	30.45	825.97	814.03
MW-0608-S1	11/11/2008	14.67	30.20	825.97	811.30
MW-0608-S1	2/17/2009	12.93	NM	825.97	813.04
MW-0608-S1	6/12/2009	12.27	NM	825.97	813.70
MW-0608-S1	4/13/2010	12.13	30.11	825.97	813.84
MW-0608-S1	9/5/2010	14.08	29.96	825.97	811.89
MW-0608-S1	4/20/2011	11.50	29.90	825.97	814.47
MW-0608-S1	9/27/2011	12.38	30.00	825.97	813.59
MW-0608-S1	3/29/2012	12.19	30.02	825.97	813.78
MW-0608-S1	10/9/2012	14.10	29.60	825.97	811.87
MW-0608-S1	3/12/2013	12.42	29.60	825.97	813.55
MW-0608-S1	9/24/2013	13.35	29.40	825.97	812.62
MW-0608-S1	4/22/2014	12.47	29.26	825.97	813.50
MW-0608-S1	9/3/2014	13.58	28.94	825.97	812.39
MW-0608-S1	3/10/2015	12.70	28.73	825.97	813.27
MW-0608-S1	9/8/2015	12.93	28.58	825.97	813.04
MW-0608-S1	3/10/2016	12.38	28.62	825.97	813.59
MW-0608-S1	9/7/2016	13.04	28.37	825.97	812.93
MW-0608-S1	11/16/2016	13.17	NM	825.97	812.8
MW-0608-S2	3/23/2006	9.71	67.75	825.97	816.26
MW-0608-S2	3/31/2006	8.86	67.75	825.97	817.11
MW-0608-S2	4/28/2006	9.76	NM	825.97	816.21
MW-0608-S2	12/5/2006	8.43	NM	825.97	817.54
MW-0608-S2	3/8/2007	9.70	67.76	825.97	816.27
MW-0608-S2	1/16/2008	12.10	68.91	825.97	813.87
MW-0608-S2	11/11/2008	17.84	67.80	825.97	808.13
MW-0608-S2	2/17/2009	14.45	NM	825.97	811.52
MW-0608-S2	6/12/2009	12.68	NM	825.97	813.29
MW-0608-S2	4/13/2010	11.59	67.85	825.97	814.38
MW-0608-S2	9/5/2010	16.55	68.25	825.97	809.42
MW-0608-S2	4/20/2011	12.12	67.70	825.97	813.85
MW-0608-S2	9/27/2011	14.31	67.99	825.97	811.66
MW-0608-S2	3/29/2012	11.90	67.90	825.97	814.07
MW-0608-S2	10/9/2012	17.22	67.75	825.97	808.75
MW-0608-S2	3/21/2013	12.43	67.75	825.97	813.54
MW-0608-S2	9/24/2013	14.96	67.04	825.97	811.01
MW-0608-S2	4/22/2014	13.02	68.94	825.97	812.95

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0608-S2	9/3/2014	16.41	67.81	825.97	809.56
MW-0608-S2	3/10/2015	14.10	NM	825.97	811.87
MW-0608-S2	9/8/2015	12.80	68.73	825.97	813.17
MW-0608-S2	3/10/2016	12.48	67.96	825.97	813.49
MW-0608-S2	9/7/2016	15.17	67.91	825.97	810.8
MW-0608-S2	11/16/2016	13.82	NM	825.97	812.15
MW-0609-S1	3/23/2006	9.49	28.45	822.75	813.26
MW-0609-S1	3/31/2006	9.17	28.45	822.75	813.58
MW-0609-S1	4/28/2006	9.47	NM	822.75	813.28
MW-0609-S1	12/5/2006	8.62	NM	822.75	814.13
MW-0609-S1	3/9/2007	9.15	27.05	822.75	813.60
MW-0609-S1	1/16/2008	9.45	27.40	822.75	813.30
MW-0609-S1	11/11/2008	11.81	27.05	822.75	810.94
MW-0609-S1	2/17/2009	10.22	NM	822.75	812.53
MW-0609-S1	6/12/2009	9.73	NM	822.75	813.02
MW-0609-S1	4/13/2010	9.84	26.99	822.75	812.91
MW-0609-S1	9/5/2010	11.35	27.05	822.75	811.40
MW-0609-S1	4/20/2011	9.13	27.00	822.75	813.62
MW-0609-S1	9/27/2011	9.85	27.04	822.75	812.90
MW-0609-S1	3/29/2012	9.76	27.11	822.75	812.99
MW-0609-S1	10/9/2012	11.31	26.80	822.75	811.44
MW-0609-S1	3/12/2013	18.78	26.80	822.75	803.97
MW-0609-S1	9/24/2013	10.64	27.00	822.75	812.11
MW-0609-S1	4/22/2014	10.00	26.93	822.75	812.75
MW-0609-S1	9/3/2014	10.84	26.83	822.75	811.91
MW-0609-S1	9/8/2015	10.32	26.87	822.75	812.43
MW-0609-S1	3/10/2016	9.86	26.77	822.75	812.89
MW-0609-S1	9/7/2016	10.43	26.68	822.75	812.32
MW-0609-S1	11/16/2016	10.83	NM	822.75	811.92
MW-0609-S2	12/5/2006	5.68	NM	823.09	817.41
MW-0609-S2	3/8/2007	6.93	61.32	823.09	816.16
MW-0609-S2	1/16/2008	9.24	61.44	823.09	813.85
MW-0609-S2	11/11/2008	14.97	61.30	823.09	808.12
MW-0609-S2	2/17/2009	11.60	NM	823.09	811.49
MW-0609-S2	6/12/2009	9.86	NM	823.09	813.23
MW-0609-S2	4/13/2010	8.77	62.43	823.09	814.32
MW-0609-S2	9/5/2010	13.69	61.45	823.09	809.40
MW-0609-S2	4/20/2011	9.22	61.30	823.09	813.87
MW-0609-S2	9/27/2011	11.52	61.59	823.09	811.57
MW-0609-S2	3/29/2012	9.15	61.52	823.09	813.94
MW-0609-S2	10/9/2012	14.36	26.80	823.09	808.73
MW-0609-S2	3/12/2013	9.62	26.80	823.09	813.47
MW-0609-S2	9/24/2013	12.15	61.54	823.09	810.94
MW-0609-S2	4/22/2014	10.21	61.49	823.09	812.88

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0609-S2	9/3/2014	13.53	61.51	823.09	809.56
MW-0609-S2	3/10/2015	11.23	NM	823.09	811.86
MW-0609-S2	9/8/2015	10.10	62.50	823.09	812.99
MW-0609-S2	3/10/2016	9.65	61.53	823.09	813.44
MW-0609-S2	9/7/2016	12.37	61.43	823.09	810.72
MW-0609-S2	11/16/2016	10.96	NM	823.09	812.13
MW-0610-S1	12/5/2006	8.87	NM	822.55	813.68
MW-0610-S1	3/8/2007	9.42	31.55	822.55	813.13
MW-0610-S1	1/16/2008	9.97	31.59	822.55	812.58
MW-0610-S1	11/11/2008	11.85	31.46	822.55	810.70
MW-0610-S1	2/17/2009	10.39	NM	822.55	812.16
MW-0610-S1	6/12/2009	10.07	NM	822.55	812.48
MW-0610-S1	4/13/2010	10.28	31.49	822.55	812.27
MW-0610-S1	9/5/2010	11.55	31.65	822.55	811.00
MW-0610-S1	4/20/2011	9.55	31.42	822.55	813.00
MW-0610-S1	9/27/2011	11.18	31.68	822.55	811.37
MW-0610-S1	3/29/2012	10.13	31.64	822.55	812.42
MW-0610-S1	10/9/2012	11.39	31.44	822.55	811.16
MW-0610-S1	3/12/2013	10.16	31.44	822.55	812.39
MW-0610-S1	9/24/2013	10.85	31.63	822.55	811.70
MW-0610-S1	4/22/2014	9.45	31.65	822.55	813.10
MW-0610-S1	9/3/2014	11.06	31.59	822.55	811.49
MW-0610-S1	3/10/2015	10.41	31.64	822.55	812.14
MW-0610-S1	9/8/2015	10.59	31.67	822.55	811.96
MW-0610-S1	3/10/2016	10.11	31.65	822.55	812.44
MW-0610-S1	9/7/2016	10.78	31.66	822.55	811.77
MW-0610-S1	11/16/2016	11.07	NM	822.55	811.48
MW-0611-S1	12/5/2006	4.97	NM	821.77	816.80
MW-0611-S1	3/8/2007	7.45	17.60	821.77	814.32
MW-0611-S1	1/16/2008	8.06	17.70	821.77	813.71
MW-0611-S1	2/17/2009	11.15	NM	821.77	810.62
MW-0611-S1	6/12/2009	10.00	NM	821.77	811.77
MW-0611-S1	4/13/2010	8.85	17.60	821.77	812.92
MW-0611-S1	9/5/2010	12.67	17.65	821.77	809.10
MW-0611-S1	10/9/2012	NM	NM	821.77	Could not Locate
MW-0611-S1	11/16/2016	10.72	NM	821.77	816.80
MW-0612-S1	12/5/2006	9.13	NM	823.85	814.72
MW-0612-S1	3/8/2007	8.90	27.12	823.85	814.95
MW-0612-S1	1/16/2008	9.50	27.25	823.85	814.35
MW-0612-S1	11/11/2008	12.44	27.15	823.85	811.41
MW-0612-S1	2/17/2009	10.59	NM	823.85	813.26
MW-0612-S1	6/12/2009	9.71	NM	823.85	814.14
MW-0612-S1	3/29/2012	9.79	27.30	823.85	814.06
MW-0612-S1	10/9/2012	11.84	27.10	823.85	812.01

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0612-S1	3/12/2013	10.10	27.10	823.85	813.75
MW-0612-S1	9/24/2013	10.49	27.32	823.85	813.36
MW-0612-S1	4/22/2014	10.03	27.30	823.85	813.82
MW-0612-S1	9/3/2014	11.29	27.31	823.85	812.56
MW-0612-S1	3/10/2015	10.30	27.30	823.85	813.55
MW-0612-S1	9/8/2015	10.52	27.33	823.85	813.33
MW-0612-S1	3/10/2016	9.95	27.33	823.85	813.9
MW-0612-S1	9/7/2016	10.66	27.33	823.85	813.19
MW-0612-S1	11/16/2016	10.98	NM	823.85	812.87
MW-0612-S2	12/5/2006	6.34	NM	823.84	817.50
MW-0612-S2	3/8/2007	7.59	54.94	823.84	816.25
MW-0612-S2	1/16/2008	10.00	55.10	823.84	813.84
MW-0612-S2	11/11/2008	15.74	55.00	823.84	808.10
MW-0612-S2	2/17/2009	12.34	NM	823.84	811.50
MW-0612-S2	6/12/2009	10.57	NM	823.84	813.27
MW-0612-S2	3/29/2012	9.78	55.14	823.84	814.06
MW-0612-S2	10/9/2012	15.14	54.90	823.84	808.70
MW-0612-S2	3/12/2013	10.35	54.90	823.84	813.49
MW-0612-S2	9/24/2013	12.57	55.15	823.84	811.27
MW-0612-S2	4/22/2014	10.91	55.11	823.84	812.93
MW-0612-S2	9/3/2014	14.28	55.07	823.84	809.56
MW-0612-S2	3/10/2015	11.96	NM	823.84	811.88
MW-0612-S2	9/8/2015	10.60	54.65	823.84	813.24
MW-0612-S2	3/10/2016	10.38	55.98	823.84	813.46
MW-0612-S2	9/7/2016	12.87	55.14	823.84	810.97
MW-0612-S2	11/16/2016	11.71	NM	823.84	812.13
MW-0613-S1	12/5/2006	5.87	NM	822.03	816.16
MW-0613-S1	3/8/2007	6.72	25.36	822.03	815.31
MW-0613-S1	1/16/2008	7.40	25.50	822.03	814.63
MW-0613-S1	11/11/2008	10.57	25.39	822.03	811.46
MW-0613-S1	2/17/2009	8.53	NM	822.03	813.50
MW-0613-S1	6/12/2009	7.61	NM	822.03	814.42
MW-0613-S1	4/13/2010	7.40	25.40	822.03	814.63
MW-0613-S1	9/5/2010	9.85	25.40	822.03	812.18
MW-0613-S1	4/20/2011	6.79	25.58	822.03	815.24
MW-0613-S1	9/27/2011	7.84	25.58	822.03	814.19
MW-0613-S1	3/29/2012	7.53	25.34	822.03	814.50
MW-0613-S1	10/9/2012	9.96	25.37	822.03	812.07
MW-0613-S1	3/12/2013	8.01	25.37	822.03	814.02
MW-0613-S1	9/24/2013	9.03	25.55	822.03	813.00
MW-0613-S1	4/22/2014	7.97	25.55	822.03	814.06
MW-0613-S1	9/3/2014	9.34	25.55	822.03	812.69
MW-0613-S1	3/10/2015	8.32	24.81	822.03	813.71
MW-0613-S1	9/8/2015	8.49	25.61	822.03	813.54

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0613-S1	3/10/2016	7.86	25.78	822.03	814.17
MW-0613-S1	9/7/2016	8.67	25.58	822.03	813.36
MW-0613-S1	11/16/2016	8.76	NM	822.03	813.27
MW-0614-B1	12/5/2006	9.13	NM	826.94	817.81
MW-0614-B1	3/8/2007	10.41	89.69	826.94	816.53
MW-0614-B1	1/16/2008	13.06	89.75	826.94	813.88
MW-0614-B1	11/11/2008	18.92	89.62	826.94	808.02
MW-0614-B1	2/17/2009	15.55	NM	826.94	811.39
MW-0614-B1	6/12/2009	13.69	NM	826.94	813.25
MW-0614-B1	4/13/2010	12.68	89.75	826.94	814.26
MW-0614-B1	9/5/2010	17.66	90.20	826.94	809.28
MW-0614-B1	4/20/2011	13.10	89.60	826.94	813.84
MW-0614-B1	9/27/2011	15.31	89.90	826.94	811.63
MW-0614-B1	9/3/2015	Abandoned Well			
MW-0614-S2	12/5/2006	9.05	NM	826.81	817.76
MW-0614-S2	3/8/2007	10.33	57.68	826.81	816.48
MW-0614-S2	1/16/2008	13.00	57.80	826.81	813.81
MW-0614-S2	11/11/2008	18.81	57.55	826.81	808.00
MW-0614-S2	2/17/2009	15.45	NM	826.81	811.36
MW-0614-S2	6/12/2009	13.58	NM	826.81	813.23
MW-0614-S2	4/13/2010	12.58	57.80	826.81	814.23
MW-0614-S2	9/5/2010	17.57	58.05	826.81	809.24
MW-0614-S2	4/20/2011	12.97	57.65	826.81	813.84
MW-0614-S2	9/27/2011	15.21	57.90	826.81	811.60
MW-0614-S2	3/29/2012	12.84	57.85	826.81	813.97
MW-0614-S2	10/9/2012	18.27	57.70	826.81	808.54
MW-0614-S2	3/12/2013	13.25	57.70	826.81	813.56
MW-0614-S2	9/24/2013	15.91	57.91	826.81	810.90
MW-0614-S2	4/22/2014	13.78	57.87	826.81	813.03
MW-0614-S2	9/3/2014	16.43	57.85	826.81	810.38
MW-0614-S2	3/10/2015	15.13	NM	826.81	811.68
MW-0614-S2	9/8/2015	13.36	57.95	826.81	813.45
MW-0614-S2	3/10/2016	13.41	57.88	826.81	813.4
MW-0614-S2	9/7/2016	15.91	57.49	826.81	810.9
MW-0614-S2	11/16/2016	14.86	NM	826.81	811.95
MW-0615-B1	12/5/2006	12.12	NM	824.74	812.62
MW-0615-B1	3/8/2007	13.37	78.28	824.74	811.37
MW-0615-B1	1/16/2008	13.84	78.45	824.74	810.90
MW-0615-B1	11/11/2008	18.16	78.19	824.74	806.58
MW-0615-B1	2/17/2009	14.75	NM	824.74	809.99
MW-0615-B1	6/12/2009	14.12	NM	824.74	810.62
MW-0615-B1	4/13/2010	13.53	78.36	824.74	811.21
MW-0615-B1	9/5/2010	17.05	78.35	824.74	807.69
MW-0615-B1	4/20/2011	14.05	78.26	824.74	810.69

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0615-B1	9/27/2011	15.19	78.45	824.74	809.55
MW-0615-B1	8/25/2015	Abandoned Well			
MW-0616-B1	12/5/2006	4.58	110.55	822.3	817.72
MW-0616-B1	3/8/2007	5.88	110.55	822.3	816.42
MW-0616-B1	1/16/2008	8.60	110.55	822.3	813.70
MW-0616-B1	11/11/2008	14.52	110.51	822.3	807.78
MW-0616-B1	2/17/2009	11.02	NM	822.3	811.28
MW-0616-B1	6/12/2009	9.18	NM	822.3	813.12
MW-0616-B1	4/13/2010	8.23	NM	822.3	814.07
MW-0616-B1	9/5/2010	13.10	NM	822.3	809.20
MW-0616-B1	4/20/2011	8.51	--	822.3	813.79
MW-0616-B1	9/27/2011	10.76	110.80	822.3	811.54
MW-0616-B1	9/2/2015	Abandoned Well			
MW-0616-S1	12/5/2006	6.58	NM	822.06	815.48
MW-0616-S1	3/8/2007	7.11	24.36	822.06	814.95
MW-0616-S1	1/16/2008	7.47	24.50	822.06	814.59
MW-0616-S1	11/11/2008	9.84	24.25	822.06	812.22
MW-0616-S1	2/17/2009	8.31	NM	822.06	813.75
MW-0616-S1	6/12/2009	7.53	NM	822.06	814.53
MW-0616-S1	4/13/2010	7.49	24.30	822.06	814.57
MW-0616-S1	9/5/2010	9.28	24.25	822.06	812.78
MW-0616-S1	4/20/2011	6.39	24.22	822.06	815.67
MW-0616-S1	9/27/2011	7.53	24.40	822.06	814.53
MW-0616-S1	3/29/2012	7.68	24.53	822.06	814.38
MW-0616-S1	10/9/2012	9.32	24.19	822.06	812.74
MW-0616-S1	3/12/2013	8.09	24.19	822.06	813.97
MW-0616-S1	9/24/2013	8.59	24.24	822.06	813.47
MW-0616-S1	4/22/2014	7.83	24.24	822.06	814.23
MW-0616-S1	9/3/2014	8.70	24.21	822.06	813.36
MW-0616-S1	3/10/2015	7.97	22.50	822.06	814.09
MW-0616-S1	9/8/2015	8.29	24.21	822.06	813.77
MW-0616-S1	3/10/2016	7.79	24.17	822.06	814.27
MW-0616-S1	9/7/2016	14.49	24.19	822.06	807.57
MW-0616-S1	11/16/2016	8.87	NM	822.06	813.19
MW-0617-B1	3/8/2007	10.02	NM	826.63	816.61
MW-0617-B1	1/16/2008	12.58	NM	826.63	814.05
MW-0617-B1	11/11/2008	18.49	NM	826.63	808.14
MW-0617-B1	2/17/2009	15.08	NM	826.63	811.55
MW-0617-B1	6/12/2009	13.25	NM	826.63	813.38
MW-0617-B1	9/3/2015	Abandoned Well			
MW-0617-S1	3/8/2007	11.18	29.36	826.47	815.29
MW-0617-S1	1/16/2008	11.90	29.50	826.47	814.57
MW-0617-S1	11/11/2008	14.87	29.40	826.47	811.60

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0617-S1	2/17/2009	13.07	NM	826.47	813.40
MW-0617-S1	6/12/2009	12.03	NM	826.47	814.44
MW-0617-S1	10/9/2012	14.27	29.41	826.47	812.20
MW-0617-S1	3/12/2013	12.64	29.41	826.47	813.83
MW-0617-S1	9/24/2013	13.38	29.50	826.47	813.09
MW-0617-S1	4/22/2014	12.32	29.47	826.47	814.15
MW-0617-S1	9/3/2014	13.63	29.51	826.47	812.84
MW-0617-S1	3/10/2015	12.72	29.49	826.47	813.75
MW-0617-S1	9/8/2015	12.89	29.30	826.47	813.58
MW-0617-S1	3/10/2016	12.37	29.58	826.47	814.1
MW-0617-S1	9/7/2016	13.05	29.57	826.47	813.42
MW-0617-S1	11/16/2016	13.32	NM	826.47	813.15
MW-0617-S2	3/8/2007	10.21	63.37	826.66	816.45
MW-0617-S2	1/16/2008	12.80	63.15	826.66	813.86
MW-0617-S2	11/11/2008	18.68	63.20	826.66	807.98
MW-0617-S2	2/17/2009	15.33	NM	826.66	811.33
MW-0617-S2	6/12/2009	13.44	NM	826.66	813.22
MW-0617-S2	6/12/2009	13.44	NM	826.66	813.22
MW-0617-S2	3/10/2016	13.02	NM	826.66	813.64
MW-0617-S2	9/7/2016	15.01	63.22	826.66	811.65
MW-0617-S2	11/16/2016	14.57	63.45	826.66	812.09
MW-0618-S1	12/5/2006	8.13	NM	824.84	816.71
MW-0618-S1	3/8/2007	9.08	27.00	824.84	815.76
MW-0618-S1	1/16/2008	9.72	27.12	824.84	815.12
MW-0618-S1	11/11/2008	13.07	27.05	824.84	811.77
MW-0618-S1	2/17/2009	11.09	NM	824.84	813.75
MW-0618-S1	6/12/2009	9.94	NM	824.84	814.90
MW-0618-S1	4/13/2010	9.73	27.31	824.84	815.11
MW-0618-S1	9/5/2010	12.32	27.05	824.84	812.52
MW-0618-S1	4/20/2011	9.13	26.99	824.84	815.71
MW-0618-S1	9/27/2011	10.28	27.20	824.84	814.56
MW-0618-S1	3/29/2012	10.06	27.19	824.84	814.78
MW-0618-S1	10/9/2012	12.43	26.99	824.84	812.41
MW-0618-S1	3/12/2013	10.51	26.99	824.84	814.33
MW-0618-S1	9/24/2013	11.48	27.18	824.84	813.36
MW-0618-S1	4/22/2014	10.28	27.17	824.84	814.56
MW-0618-S1	9/3/2014	11.78	27.18	824.84	813.06
MW-0618-S1	3/10/2015	10.68	NM	824.84	814.16
MW-0618-S1	9/8/2015	10.93	27.19	824.84	813.91
MW-0618-S1	3/10/2016	10.25	27.18	824.84	814.59
MW-0618-S1	9/7/2016	11.09	27.17	824.84	813.75
MW-0618-S1	11/16/2016	16.59	NM	824.84	808.25
MW-0619-S1	12/5/2006	10.13	NM	827.46	817.33
MW-0619-S1	3/8/2007	11.12	26.07	827.46	816.34

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0619-S1	1/16/2008	11.88	26.20	827.46	815.58
MW-0619-S1	11/11/2008	15.29	26.10	827.46	812.17
MW-0619-S1	2/17/2009	13.51	NM	827.46	813.95
MW-0619-S1	6/12/2009	12.03	NM	827.46	815.43
MW-0619-S1	10/9/2012	14.69	26.07	827.46	812.77
MW-0619-S1	3/12/2013	12.85	26.07	827.46	814.61
MW-0619-S1	9/24/2013	13.65	26.25	827.46	813.81
MW-0619-S1	4/22/2014	12.34	26.24	827.46	815.12
MW-0619-S1	9/3/2014	14.02	26.26	827.46	813.44
MW-0619-S1	3/10/2015	12.93	26.24	827.46	814.53
MW-0619-S1	9/8/2015	13.05	26.26	827.46	814.41
MW-0619-S1	3/10/2016	12.55	26.33	827.46	814.91
MW-0619-S1	9/7/2016	13.33	26.21	827.46	814.13
MW-0619-S1	11/16/2016	13.61	NM	827.46	813.85
MW-0620-S1	12/5/2006	9.94	NM	827.39	817.45
MW-0620-S1	3/8/2007	10.97	18.36	827.39	816.42
MW-0620-S1	1/16/2008	11.78	18.46	827.39	815.61
MW-0620-S1	11/11/2008	15.15	18.45	827.39	812.24
MW-0620-S1	2/17/2009	13.41	NM	827.39	813.98
MW-0620-S1	6/12/2009	11.89	NM	827.39	815.50
MW-0620-S1	4/13/2010	11.60	18.39	827.39	815.79
MW-0620-S1	9/5/2010	13.85	18.40	827.39	813.54
MW-0620-S1	4/20/2011	11.07	18.34	827.39	816.32
MW-0620-S1	9/27/2011	12.19	18.55	827.39	815.20
MW-0620-S1	3/29/2012	11.95	18.50	827.39	815.44
MW-0620-S1	10/9/2012	14.60	19.38	827.39	812.79
MW-0620-S1	3/12/2013	12.82	19.38	827.39	814.57
MW-0620-S1	9/24/2013	13.55	18.54	827.39	813.84
MW-0620-S1	4/22/2014	12.19	18.52	827.39	815.20
MW-0620-S1	9/3/2014	13.15	18.52	827.39	814.24
MW-0620-S1	3/10/2015	13.17	18.53	827.39	814.22
MW-0620-S1	9/8/2015	12.97	18.32	827.39	814.42
MW-0620-S1	3/10/2016	12.31	18.62	827.39	815.08
MW-0620-S1	9/7/2016	13.23	18.55	827.39	814.16
MW-0620-S1	11/16/2016	13.49	NM	827.39	813.9
MW-0621-S1	12/5/2006	9.53	NM	826.72	817.19
MW-0621-S1	3/8/2007	10.49	24.55	826.72	816.23
MW-0621-S1	1/16/2008	11.19	24.66	826.72	815.53
MW-0621-S1	11/11/2008	14.62	24.58	826.72	812.10
MW-0621-S1	2/17/2009	12.84	NM	826.72	813.88
MW-0621-S1	6/12/2009	11.39	NM	826.72	815.33
MW-0621-S1	4/13/2010	11.15	24.63	826.72	815.57
MW-0621-S1	9/5/2010	13.86	24.62	826.72	812.86
MW-0621-S1	4/20/2011	10.68	24.54	826.72	816.04

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0621-S1	9/27/2011	11.81	24.78	826.72	814.91
MW-0621-S1	3/29/2012	11.47	24.71	826.72	815.25
MW-0621-S1	10/9/2012	14.05	24.61	826.72	812.67
MW-0621-S1	3/12/2013	12.19	24.61	826.72	814.53
MW-0621-S1	9/24/2013	13.00	24.73	826.72	813.72
MW-0621-S1	4/22/2014	11.71	24.72	826.72	815.01
MW-0621-S1	9/3/2014	13.31	24.74	826.72	813.41
MW-0621-S1	3/10/2015	12.28	24.73	826.72	814.44
MW-0621-S1	9/8/2015	12.38	24.53	826.72	814.34
MW-0621-S1	3/10/2016	11.90	24.85	826.72	814.82
MW-0621-S1	9/7/2016	12.76	24.76	826.72	813.96
MW-0621-S1	11/16/2016	12.92	NM	826.72	813.8
MW-0622-S1	12/5/2006	11.03	NM	828.57	817.54
MW-0622-S1	3/8/2007	12.07	23.78	828.57	816.50
MW-0622-S1	1/16/2008	12.90	23.85	828.57	815.67
MW-0622-S1	11/11/2008	16.27	23.82	828.57	812.30
MW-0622-S1	2/17/2009	14.59	NM	828.57	813.98
MW-0622-S1	6/12/2009	12.98	NM	828.57	815.59
MW-0622-S1	10/9/2012	15.71	23.75	828.57	812.86
MW-0622-S1	3/12/2013	13.89	23.75	828.57	814.68
MW-0622-S1	9/24/2013	14.66	23.92	828.57	813.91
MW-0622-S1	4/22/2014	13.24	23.94	828.57	815.33
MW-0622-S1	9/3/2014	15.02	23.89	828.57	813.55
MW-0622-S1	3/10/2015	13.95	23.98	828.57	814.62
MW-0622-S1	9/8/2015	14.02	23.96	828.57	814.55
MW-0622-S1	3/10/2016	13.55	24.02	828.57	815.02
MW-0622-S1	9/7/2016	14.28	23.91	828.57	814.29
MW-0622-S1	11/16/2016	14.60	NM	828.57	813.97
MW-0622-S2	12/5/2006	10.54	NM	828.66	818.12
MW-0622-S2	3/8/2007	11.81	65.94	828.66	816.85
MW-0622-S2	1/16/2008	14.01	66.05	828.66	814.65
MW-0622-S2	11/11/2008	20.76	65.95	828.66	807.90
MW-0622-S2	2/17/2009	17.31	NM	828.66	811.35
MW-0622-S2	6/12/2009	15.32	NM	828.66	813.34
MW-0622-S2	4/13/2010	14.28	66.00	828.66	814.38
MW-0622-S2	9/5/2010	19.50	66.05	828.66	809.16
MW-0622-S2	4/20/2011	14.82	65.89	828.66	813.84
MW-0622-S2	9/27/2011	17.13	66.15	828.66	811.53
MW-0622-S2	3/29/2012	14.40	66.09	828.66	814.26
MW-0622-S2	10/9/2012	20.24	65.95	828.66	808.42
MW-0622-S2	3/12/2013	15.10	65.95	828.66	813.56
MW-0622-S2	9/24/2013	17.70	66.10	828.66	810.96
MW-0622-S2	4/22/2014	15.61	67.07	828.66	813.05
MW-0622-S2	9/3/2014	19.32	66.98	828.66	809.34

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0622-S2	3/10/2015	16.82	NM	828.66	811.84
MW-0622-S2	9/8/2015	15.13	66.50	828.66	813.53
MW-0622-S2	3/10/2016	15.21	NM	828.66	813.45
MW-0622-S2	9/7/2016	17.95	66.12	828.66	810.71
MW-0622-S2	11/16/2016	16.40	NM	828.66	812.26
MW-0623-S1	3/8/2007	12.37	25.04	829.09	816.72
MW-0623-S1	1/16/2008	13.17	25.17	829.09	815.92
MW-0623-S1	11/11/2008	16.58	25.18	829.09	812.51
MW-0623-S1	2/17/2009	14.96	NM	829.09	814.13
MW-0623-S1	6/12/2009	13.37	NM	829.09	815.72
MW-0623-S1	4/13/2010	13.00	25.10	829.09	816.09
MW-0623-S1	9/5/2010	15.79	25.10	829.09	813.30
MW-0623-S1	4/20/2011	12.62	25.00	829.09	816.47
MW-0623-S1	9/27/2011	13.80	25.26	829.09	815.29
MW-0623-S1	3/29/2012	13.32	25.20	829.09	815.77
MW-0623-S1	10/9/2012	16.04	25.05	829.09	813.05
MW-0623-S1	3/12/2013	14.23	25.05	829.09	814.86
MW-0623-S1	9/24/2013	14.94	25.22	829.09	814.15
MW-0623-S1	4/22/2014	13.53	25.21	829.09	815.56
MW-0623-S1	9/3/2014	15.31	25.23	829.09	813.78
MW-0623-S1	3/10/2015	14.27	25.25	829.09	814.82
MW-0623-S1	9/8/2015	14.83	23.43	829.09	814.26
MW-0623-S1	3/10/2016	14.86	25.34	829.09	814.23
MW-0623-S1	9/7/2016	14.58	25.26	829.09	814.51
MW-0623-S1	11/16/2016	14.93	NM	829.09	814.16
MW-0702-B1	1/16/2008	10.65	72.70	825.03	814.38
MW-0702-B1	11/11/2008	16.57	72.46	825.03	808.46
MW-0702-B1	2/17/2009	13.19	NM	825.03	811.84
MW-0702-B1	6/12/2009	11.30	NM	825.03	813.73
MW-0702-B1	4/13/2010	10.29	72.60	825.03	814.74
MW-0702-B1	9/5/2010	15.27	72.60	825.03	809.76
MW-0702-B1	4/20/2011	10.72	72.47	825.03	814.31
MW-0702-B1	9/27/2011	12.89	72.73	825.03	812.14
MW-0702-B1	9/3/2015	Abandoned Well			
MW-0703-B1	1/16/2008	13.30	111.32	823.61	810.31
MW-0703-B1	11/11/2008	17.01	111.32	823.61	806.60
MW-0703-B1	2/17/2009	13.66	NM	823.61	809.95
MW-0703-B1	6/12/2009	13.21	NM	823.61	810.40
MW-0703-B1	4/13/2010	12.45	NM	823.61	811.16
MW-0703-B1	9/5/2010	16.10	NM	823.61	807.51
MW-0703-B1	4/20/2011	12.73	NM	823.61	810.88
MW-0703-B1	9/27/2011	14.12	111.75	823.61	809.49
MW-0703-B1	9/3/2015	Abandoned Well			
MW-0704-S1	1/16/2008	9.84	29.31	825.38	815.54

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Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0704-S1	11/11/2008	13.15	29.20	825.38	812.22
MW-0704-S1	2/17/2009	11.27	NM	825.38	814.11
MW-0704-S1	6/12/2009	10.04	NM	825.38	815.34
MW-0704-S1	4/13/2010	9.83	29.23	825.38	815.55
MW-0704-S1	9/5/2010	12.38	29.20	825.38	813.00
MW-0704-S1	4/20/2011	9.26	29.17	825.38	816.12
MW-0704-S1	9/27/2011	10.39	29.39	825.38	814.99
MW-0704-S1	3/29/2012	10.14	29.35	825.38	815.24
MW-0704-S1	10/9/2012	12.52	29.16	825.38	812.86
MW-0704-S1	3/12/2013	10.67	29.16	825.38	814.71
MW-0704-S1	9/24/2013	11.55	29.36	825.38	813.83
MW-0704-S1	4/22/2014	10.38	29.36	825.38	815.00
MW-0704-S1	9/3/2014	11.86	29.33	825.38	813.51
MW-0704-S1	3/10/2015	10.80	29.28	825.38	814.58
MW-0704-S1	9/8/2015	11.01	29.39	825.38	814.37
MW-0704-S1	3/10/2016	10.41	29.38	825.38	814.97
MW-0704-S1	9/7/2016	11.20	29.37	825.38	814.18
MW-0704-S1	11/16/2016	11.66	NM	825.38	813.72
MW-0705-S1	1/16/2008	11.20	25.78	826.16	814.96
MW-0705-S1	11/11/2008	13.71	25.68	826.16	812.45
MW-0705-S1	2/17/2009	11.86	NM	826.16	814.30
MW-0705-S1	6/12/2009	10.79	NM	826.16	815.37
MW-0705-S1	10/9/2012	13.10	25.65	826.16	813.06
MW-0705-S1	3/12/2013	11.31	25.65	826.16	814.85
MW-0705-S1	9/24/2013	12.20	25.85	826.16	813.96
MW-0705-S1	4/22/2014	11.09	25.82	826.16	815.07
MW-0705-S1	9/3/2014	12.50	25.82	826.16	813.66
MW-0705-S1	3/10/2015	11.91	25.80	826.16	814.25
MW-0705-S1	9/8/2015	11.67	25.87	826.16	814.49
MW-0705-S1	3/10/2016	11.08	25.85	826.16	815.08
MW-0705-S1	9/7/2016	11.83	25.83	826.16	814.33
MW-0705-S1	11/16/2016	12.09	NM	826.16	814.07
PM-1301	3/10/2016	12.42	24.23	828.92	816.50
PM-1301	9/7/2016	13.23	24.23	828.92	815.69
PM-1301	11/16/2016	14.10	NM	828.92	814.82
MW-1501-S1	3/10/2016	11.67	19.04	828.32	816.65
MW-1501-S1	9/7/2016	12.41	18.93	828.32	815.91
MW-1501-S1	11/16/2016	13.33	NM	828.32	814.99
MW-1502-S1	3/10/2016	12.79	28.07	828.45	815.66
MW-1502-S1	9/7/2016	13.53	27.97	828.45	814.92
MW-1502-S1	11/16/2016	13.88	NM	828.45	814.57
MW-1503-S1	3/10/2016	12.98	28.68	828.24	815.26
MW-1503-S1	9/7/2016	13.73	28.48	828.24	814.51

Table 1
Monitoring Well Groundwater Elevation Date
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-1503-S1	11/16/2016	14.08	NM	828.24	814.16
MW-1504-S1	3/10/2016	12.98	27.62	828.24	815.26
MW-1504-S1	9/7/2016	13.73	27.43	828.24	814.51
MW-1504-S1	11/16/2016	14.08	NM	828.24	814.16
MW-1505-S1	3/10/2016	13.02	32.17	828.19	815.17
MW-1505-S1	9/7/2016	13.78	27.57	828.19	814.41
MW-1505-S1	11/16/2016	14.12	NM	828.19	814.07
MW-1506-S1	3/10/2016	13.32	34.17	827.89	814.57
MW-1506-S1	9/7/2016	14.07	34.27	827.89	813.82
MW-1506-S1	11/16/2016	14.40	NM	827.89	813.49
MW-1507-S1	3/10/2016	13.42	33.67	827.77	814.35
MW-1507-S1	9/7/2016	14.17	33.57	827.77	813.60
MW-1507-S1	11/16/2016	14.51	NM	827.77	813.26
MW-1508-S1	3/10/2016	14.46	35.21	826.69	812.23
MW-1508-S1	9/7/2016	14.68	34.58	826.69	812.01
MW-1508-S1	11/16/2016	15.04	NM	826.69	811.65

Notes:

AMSL: Above mean sea level

NM: Reading not collected

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0101-S1U	6/22/2001	MW-1M~06/22/2001~N~LB	Low-Flow	< 50 U	< 50 U	< 50 U	--	--	< 200 U	800	--	< 100 U	< 50 U	--	< 50 U	3,100	67
MW-0101-S1U	11/15/2004	FD-1 (111504)~RE	Low-Flow	< 5.0 U	< 5.0 U	13	< 50.0 U	< 5.0 U	< 5.0 U	1,600	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	69	13,000	140
MW-0101-S1U	11/15/2004	MW-1M (111504)~RE	Low-Flow	< 5.0 U	< 5.0 U	14	< 50.0 U	< 5.0 U	< 5.0 U	1,300	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	73	11,000	150
MW-0101-S1U	3/24/2006	MW-0101-S1U (032406)	Low-Flow	< 5.0 U	14	7.0	< 50.0 U	2.4 J	< 5.0 U	1,200	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	68	9,400	67
MW-0101-S1U	11/10/2006	FD-1 (111006)-BDS	Low-Flow	< 5.0 U	12	9.3	< 50.0 U	2.3 J	< 5.0 U	1,100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	72	7,500	100
MW-0101-S1U	11/10/2006	MW-0101-S1U (111006)	Low-Flow	< 5.0 U	12	9.4	< 50.0 U	2.3 J	< 5.0 U	1,100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	73	7,700	100
MW-0101-S1U	4/19/2012	FD-1 (041912)-TP	PDB	< 5.0 U	< 5.0 U	20.3	< 100 U	< 5.0 U	< 5.0 U	748 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	57.7	13,500 D	69.0
MW-0101-S1U	4/19/2012	FD-2 (041912)-BC	Low-Flow	< 5.0 U	< 5.0 U	8.1	< 100 U	< 5.0 U	< 5.0 U	712 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	63.4	4,550 D	83.0
MW-0101-S1U	4/19/2012	MW-0101-S1U (041912)-LF	Low-Flow	< 5.0 U	< 5.0 U	8.5	< 100 U	< 5.0 U	< 5.0 U	673 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	62.0	5,390 D	77.1
MW-0101-S1U	4/19/2012	MW-0101-S1U (041912)-PDB	PDB	< 5.0 U	< 5.0 U	20.4	< 100 U	< 5.0 U	< 5.0 U	688 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	56.6	13,500 D	66.3
MW-0101-S1U	10/31/2012	MW-0101-S1U(103112)LF	Low-Flow	< 5.0 U	3.4 J	6.2	< 100 U	1.9 J	< 5.0 U	819 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	70.8	3,430 D	88.7
MW-0101-S1U	10/31/2012	MW-0101-S1U(103112)PDB	PDB	< 5.0 U	2.8 J	11.4	< 100 U	2.1 J	< 5.0 U	847 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	67.5	8,500 D	86.7
MW-0101-S1U	4/2/2013	MW-0101-S1U (040213)PDB	PDB	< 5.0 U	4.9 J	15.8 J	< 100 U	1.4 J	< 5.0 U	1,180 EJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	70.6 J	10,600 EJ	52.4
MW-0101-S1U	10/16/2013	MW-0101-S1U(101613)	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	2,990 D	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	66.1	6,920 D	55.8
MW-0101-S1U	5/13/2014	MW-0101-S1U(051314)	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	1,240	< 1,000 U	< 50.0 U	< 50.0 U	< 50.0 U	49.0 J	11,200 D	50.0
MW-0101-S1U	9/25/2014	MW-0101-S1U(092514)PDB	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	1,030	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	53.6	18,100 DJ	31.9
MW-0101-S1U	3/31/2015	MW-0101-S1U(033115)-PDB	PDB	< 25.0 U	4.2 J	8.0 J	< 500 U	< 25.0 UB	< 25.0 U	1,060	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	56.1	17,900 D	32.8
MW-0101-S1U	9/30/2015	MW-0101-S1U(093015)PDB	PDB	< 5.0 U	2.7 J	19.8	< 100 UB	2.9 J	< 5.0 U	3,160 D	< 100 U	< 5.0 U	< 5.0 U	0.44 J	114	5,200 D	75.6
MW-0101-S1U	3/9/2016	MW-0101-S1U(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	1,020	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	62.0	6,560 D	59.3
MW-0101-S1U	9/27/2016	MW-0101-S1U(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 UJ	< 50.0 U	< 50.0 U	2,330	< 1,000 U	< 110 UB	< 50.0 U	< 50.0 U	69.5	18,500 D	33.2
MW-0102-S1U	6/22/2001	MW-2 DUP~06/22/2001~N~LB	Low-Flow	< 50 U	< 50 U	< 50 U	--	--	< 200 U	360	--	< 100 U	< 50 U	--	< 50 U	410	< 20 U
MW-0102-S1U	6/22/2001	MW-2~06/22/2001~N~LB	Low-Flow	< 50 U	< 50 U	< 50 U	--	--	< 200 U	340	--	< 100 U	< 50 U	--	< 50 U	370	< 20 U
MW-0102-S1U	11/15/2004	MW-2 (111504)~RE	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	770	< 5.0 U	< 9.5 U	< 5.0 U	< 5.0 U	74	4,600	37
MW-0102-S1U	10/20/2005	MW-2-IU (102005)	Low-Flow	< 5.0 U	< 5.0 U	5.1	< 50.0 U	< 5.0 U	< 5.0 U	770	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	68	3,800	21
MW-0102-S1U	3/22/2006	MW-0102-S1U (032206)	Low-Flow	< 5.0 U	< 5.0 U	4.5 J	< 50.0 U	< 5.0 U	< 5.0 U	1,000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	88	4,800	21
MW-0102-S1U	4/19/2012	MW-0102-S1U (041912)-LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	563 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	85.9	2,380 D	21.2
MW-0102-S1U	4/19/2012	MW-0102-S1U (041912)-PDB	PDB	< 5.0 U	< 5.0 U	5.9	< 100 U	< 5.0 U	< 5.0 U	948 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	108	3,970 D	35.1
MW-0102-S1U	10/31/2012	MW-0102-S1U(103112)PDB	PDB	< 5.0 U	< 5.0 U	3.9 J	< 100 U	< 5.0 U	< 5.0 U	916 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	114	3,770 D	35.3
MW-0102-S1U	4/2/2013	MW-0102-S1U (040213)PDB	PDB	< 5.0 U	< 5.0 U	3.1 J	< 100 U	< 5.0 U	< 5.0 U	847 EJ	< 100 U	3.9 J	< 5.0 U	< 5.0 U	103	3,370 EJ	21.5
MW-0102-S1U	10/16/2013	MW-0102-S1U(101613)	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	988	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	105	3,870 D	6.5 J
MW-0102-S1U	5/13/2014	MW-0102-S1U (051314)	PDB	< 5.0 U	< 5.0 U	4.9 J	< 100 U	< 5.0 U	< 5.0 U	826 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	103	2,910 D	21.8
MW-0102-S1U	9/25/2014	MW-0102-S1U(092514)PDB	PDB	< 5.0 U	< 5.0 U	3.1 J	< 100 U	< 5.0 U	< 5.0 U	907 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	75.2	2,950 D	17.4
MW-0102-S1U	3/31/2015	MW-0102-S1U(033115)-PDB	PDB	< 25.0 U	< 25.0 U	2.8 J	< 500 U	< 25.0 U	< 25.0 U	867	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	82.8	2,470 D	12.9
MW-0102-S1U	9/30/2015	MW-0102-S1U(093015)PDB	PDB	< 5.0 U	4.4 J	6.5	< 100 UB	< 5.0 U	< 5.0 U	1,280 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	125	4,440 D	28.6
MW-0102-S1U	3/9/2016	MW-0102-S1U(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	1,010	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	114	2,360 D	17.0
MW-0102-S1U	9/27/2016	MW-0102-S1U(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	1,230	< 1,000 U	< 106 UB	< 50.0 U	< 50.0 U	104	5,060 D	21.6
MW-0103-S1U	6/22/2001	MW-3~06/22/2001~N~LB	Low-Flow	< 5.0 U	< 5.0 U	17	--	--	< 20 U	71	--	< 10 U	< 5.0 U	--	18	12	2.2
MW-0103-S1U	11/15/2004	MW-3 (111504)~RE	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	110	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	25	< 5.0 U	< 2.0 U
MW-0103-S1U	3/22/2006	MW-0103-S1U (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	150	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	37	13	< 2.0 U
MW-0103-S1U	6/24/2009	MW-0103-S1U (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	264	< 100 U	< 5 U	< 5 U	< 5 U	34.8	< 5 U	3.9
MW-0103-S1U	10/31/2012	MW-0103-S1U(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	4.1 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.7 J	< 2.0 U
MW-0103-S1U	4/2/2013	MW-0103-S1U (040213)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	8.1 J	< 100 U	2.9 J	< 5.0 U	< 5.0 U	< 5.0 U	40.4 J	< 2.0 U
MW-0103-S1U	10/16/2013	MW-0103-S1U(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	14.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	6.0	< 2.0 U
MW-0103-S1U	5/13/2014	MW-0103-S1U (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	62.5 UB	< 5.0 U	< 5.0 U	3.6 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	8.8	< 2.0 U
MW-0103-S1U	9/25/2014	MW-0103-S1U(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	2.5 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	11.5	< 2.0 U
MW-0103-S1U	3/31/2015	MW-0103-S1U(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	4.1 J	0.39 J	< 5.0 U	< 5.0 U	< 5.0 U	0.31 J	6.7	< 2.0 U
MW-0103-S1U	9/30/2015	MW-0103-S1U(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	293	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	22.4	1.8 J	1.4 J
MW-0103-S1U	3/30/2016	MW-0103-S1U(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	7.6	< 100 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	5.3	< 2.0 UJ
MW-0103-S1U	9/27/2016	MW-0103-S1U(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 7.1 UB	< 5.0 U	< 5.0 U	< 5.0 U	9.3	< 2.0 U
MW-0501-P1	10/18/2005	MW-0501-1L (101805)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	5.0	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-P1	3/22/2006	MW-0501-P1 (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	20	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.3 J	6.8
MW-0501-S1	3/22/2006	MW-0501-S1 (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	4.4 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	11/7/2006	MW-0501-S1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	6/25/2009	MW-0501-S1 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0501-S1	6/25/2009	MW-0501-S1-LF (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0501-S1	5/5/2010	MW-0501-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0501-S1	10/28/2010	MW-0501-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	5/13/2011	MW-0501-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	2.8	0.66 J	< 1.0 U	< 1.0 U	< 1.0 U	0.20 J	< 1.0 U	< 1.0 U
MW-0501-S1	10/18/2011	MW-0501-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	10/31/2012	MW-0501-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	4/2/2013	MW-0501-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.7 J	< 2.0 U
MW-0501-S1	10/16/2013	MW-0501-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	2.8 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	5/13/2014	MW-0501-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	63.4 UB	< 5.0 U	< 5.0 U	3.0 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	9/25/2014	MW-0501-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	85.1 J	< 5.0 U	< 5.0 U	4.5 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.4	< 2.0 U
MW-0501-S1	3/31/2015	MW-0501-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	4.1 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.36 J	< 2.0 U
MW-0501-S1	9/30/2015	MW-0501-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	2.6 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S1	3/30/2016	MW-0501-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 UJ
MW-0501-S1	9/27/2016	MW-0501-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	180	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 6.8 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S2	10/18/2005	MW-0501-2L (101805)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S2	3/21/2006	MW-0501-S2 (032106)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	26	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.2 J	< 2.0 U
MW-0501-S2	6/24/2009	MW-0501-S2 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0501-S2	5/5/2010	MW-0501-S2 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0501-S2	10/28/2010	MW-0501-S2(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S2	5/13/2011	MW-0501-S2(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.67 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0501-S2	10/18/2011	MW-0501-S2(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S3U	10/20/2005	MW-0501-3L (102005)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	5.9	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0501-S3U	3/21/2006	MW-0501-S3U (032106)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	73	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0501-S3U	6/24/2009	MW-0501-S3U (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0502-S1	10/19/2005	MW-0502-1L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	9.9	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	84	< 2.0 U
MW-0502-S1	3/24/2006	MW-0502-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	15	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	4.8 J	190	< 2.0 U
MW-0502-S1	11/10/2006	MW-0502-S1 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	18	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.7	180	< 2.0 U
MW-0502-S1	10/31/2012	MW-0502-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.2 J	< 2.0 U
MW-0502-S1	10/16/2013	MW-0502-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0502-S1	5/13/2014	MW-0502-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0502-S1	9/25/2014	MW-0502-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0502-S1	3/31/2015	MW-0502-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	1.1 J	0.36 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.0 J	< 2.0 U
MW-0502-S1	9/30/2015	MW-0502-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	1.2 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0502-S1	3/30/2016	MW-0502-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0502-S1	9/27/2016	MW-0502-S1(091716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.3 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-B1a	11/14/2008	MW-0503-B1A (140-150)(111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	10.8 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-B1a	11/17/2008	MW-0503-B1A (132-142)(111708)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-B1a	11/18/2008	MW-0503-B1A (102-112)(111808)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	20.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-B1a	11/18/2008	MW-0503-B1A (112-122)(111808)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-B1a	11/18/2008	MW-0503-B1A (122-132)(111808)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	6.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-B1a	11/18/2008	MW-0503-B1A (92-102)(111808)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	29.3	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-B1a	11/19/2008	MW-0503-B1A (85-95)(111908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	30.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	10/18/2005	MW-0503-1L (101805)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	3/24/2006	MW-0503-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	6/25/2009	MW-0503-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0503-S1	10/31/2012	MW-0503-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	4/2/2013	MW-0503-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	2.8 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	10/16/2013	MW-0503-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	5/13/2014	MW-0503-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	66.9 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	9/25/2014	MW-0503-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	118	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	3/31/2015	MW-0503-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.63 J	< 2.0 U
MW-0503-S1	9/30/2015	MW-0503-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	3/30/2016	MW-0503-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S1	9/27/2016	MW-0503-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	217 J	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S2	10/18/2005	MW-0503-2L (101805)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	5.6	9.9	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0503-S2	3/24/2006	MW-0503-S2 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	7.8	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	1.3 J	< 2.0 U
MW-0503-S2	6/24/2009	MW-0503-S2 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	8.4	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0504-I2	10/18/2005	MW-0504-2L (101805)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	15	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	17	< 2.0 U
MW-0504-I2	3/27/2006	MW-0504-I2 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	26	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	6.0	< 2.0 U
MW-0504-S1	10/18/2005	MW-0504-1L (101805)	Low-Flow	< 5.0 U	13	5.8	< 50.0 U	< 5.0 U	< 5.0 U	660	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	62	1,500	16
MW-0504-S1	3/27/2006	MW-0504-S1 (032706)	Low-Flow	< 5.0 U	15	4.2 J	< 50.0 U	< 5.0 U	< 5.0 U	1,200	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	90	1,400	23
MW-0504-S1	11/20/2006	MW-0504-S1 (112006)	Direct Fill	< 5.0 U	10	4.0 J	< 50.0 U	< 5.0 U	< 5.0 U	700	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	91	1,400	17
MW-0504-S1	10/31/2012	MW-0504-S1(103112)PDB	PDB	< 5.0 U	7.6	4.7 J	< 100 U	< 5.0 U	< 5.0 U	1,030 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	132	3,040 D	20.9
MW-0504-S1	4/2/2013	MW-0504-S1 (040213) PDB	PDB	< 5.0 U	9.9	6.4	< 100 U	1.1 J	< 5.0 U	1,120 EJ	< 100 U	6.5	< 5.0 U	< 5.0 U	188 EJ	3,370 EJ	25.2
MW-0504-S1	10/16/2013	MW-0504-S1(101613)	PDB	< 5.0 U	10.4	6.3	< 100 U	< 5.0 U	< 5.0 U	1,020 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	175	3,240 D	22.9
MW-0504-S1	5/13/2014	MW-0504-S1 (051314)	PDB	< 5.0 U	7.8	6.4	57.3 UB	< 5.0 U	< 5.0 U	826 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	154	2,740 D	24.4
MW-0504-S1	9/25/2014	MW-0504-S1(092514)PDB	PDB	< 5.0 U	4.8 J	3.2 J	< 100 U	< 5.0 U	< 5.0 U	749 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	109	2,540 D	14.7
MW-0504-S1	3/31/2015	MW-0504-S1(033115)-PDB	PDB	< 5.0 U	8.9	5.2	< 100 U	< 5.0 UB	< 5.0 U	909 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	183	3,010 D	24.1
MW-0504-S1	9/30/2015	MW-0504-S1(093015)PDB	PDB	< 5.0 U	9.5	5.9	< 100 UB	0.91 J	< 5.0 U	923 D	0.52 J	< 5.0 U	< 5.0 U	0.13 J	179	3,000 D	19.4
MW-0504-S1	3/9/2016	MW-0504-S1(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	571	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	92.2	1,820 D	8.9 J
MW-0504-S1	9/27/2016	MW-0504-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	661	< 1,000 U	< 111 UB	< 50.0 U	< 50.0 U	105	2,620	< 20.0 U
MW-0504-S2	3/27/2006	MW-0504-S2 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	49	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	1.2 J	< 5.0 U	1.5 J	< 2.0 U
MW-0504-S2	11/7/2006	MW-0504-S2 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	300	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	20	100	< 2.0 U
MW-0505-B1	11/13/2006	MW-0505-B1 (111306)	Direct push	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-B1	11/13/2008	MW-0505-B1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-B1	5/5/2010	MW-0505-B1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0505-B1	10/28/2010	MW-0505-B1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-B1	5/13/2011	MW-0505-B1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	1.6	0.59 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0505-B1	10/18/2011	MW-0505-B1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-S1	10/19/2005	FD-3 (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	24	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	29	< 2.0 U
MW-0505-S1	10/19/2005	MW-0505-1L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	25	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	31	< 2.0 U
MW-0505-S1	3/23/2006	MW-0505-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	19	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	6.0	< 2.0 U
MW-0505-S1	6/24/2009	MW-0505-S1 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	7.9	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0505-S1	10/31/2012	MW-0505-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	5.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.7 J	< 2.0 U
MW-0505-S1	9/25/2014	MW-0505-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	6.6	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-S1	3/31/2015	MW-0505-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	8.3	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.75 J	< 2.0 U
MW-0505-S1	9/30/2015	MW-0505-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	8.3	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.33 J	< 2.0 U
MW-0505-S1	3/30/2016	MW-0505-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	6.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-S1	9/27/2016	MW-0505-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	5.1	< 100 U	< 7.7 UB	< 5.0 U	< 5.0 U	< 5.0 U	7.6	< 2.0 U
MW-0505-S2	10/19/2005	MW-0505-2L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-S2	3/23/2006	MW-0505-S2 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0505-S2	6/24/2009	MW-0505-S2 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0506-I2	10/19/2005	MW-0506-2L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	11	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-I2	3/27/2006	MW-0506-I2 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	3.6 J	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	4.3 J	< 2.0 U
MW-0506-S1	10/19/2005	MW-0506-1L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	1/3/2006	MW-0506-1L (01/03/06)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	3/27/2006	FD-1 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	1.6 J	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	3/27/2006	MW-0506-S1 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	6/24/2009	MW-0506-S1 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	13.9	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	7.2	< 2 U
MW-0506-S1	10/31/2012	FD-1(103112)PDB-JG	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	4.6 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	10/31/2012	FD-3(103112)LF-WK	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	646 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	72.8	453 D	< 2.0 U
MW-0506-S1	10/31/2012	MW-0506-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	5.4	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	4/2/2013	MW-0506-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	13.3 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	36.3 J	< 2.0 U
MW-0506-S1	10/16/2013	MW-0506-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	3.4 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	5/13/2014	MW-0506-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	56.7 UB	< 5.0 U	< 5.0 U	3.2 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	9/25/2014	MW-0506-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	2.7 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	3/31/2015	MW-0506-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	2.5 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.37 J	< 2.0 U
MW-0506-S1	9/30/2015	MW-0506-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	1.2 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	3/30/2016	MW-0506-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	9/27/2016	MW-0506-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 7.1 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S2	10/19/2005	MW-0506-3L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	470	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	44	630	< 2.0 U
MW-0506-S2	1/3/2006	MW-0506-2L (01/03/06)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	540	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	48	650	< 2.0 U
MW-0506-S2	3/27/2006	MW-0506-S2 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	620	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	50	670	< 2.0 U
MW-0506-S2	6/24/2009	MW-0506-S2 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	634	< 100 U	< 5 U	< 5 U	< 5 U	80.5	445	3.1
MW-0506-S2	4/19/2012	MW-0506-S2 (041912)-LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	565 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	68.5	585 D	< 2.0 U
MW-0506-S2	4/19/2012	MW-0506-S2 (041912)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	520 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	67.1	583 D	< 2.0 U
MW-0506-S2	10/31/2012	MW-0506-S2(103112)LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	635 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	69.7	433 D	< 2.0 U
MW-0506-S2	10/31/2012	MW-0506-S2(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	636 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	34.7	233	< 2.0 U
MW-0507-S1	10/19/2005	MW-0507-1L (101905)	Low-Flow	9.0	39	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	83	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	16	< 2.0 U
MW-0507-S1	3/27/2006	MW-0507-S1 (032706)	Low-Flow	21	190	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	310	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	6.0	52	< 2.0 U
MW-0507-S1	10/31/2012	MW-0507-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.7 J	< 2.0 U
MW-0507-S1	4/2/2013	MW-0507-S1 (040213) PDB	PDB	4.1 J	8.3	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	27.6	< 100 U	4.2 J	< 5.0 U	< 5.0 U	< 5.0 U	10.1 J	< 2.0 U
MW-0507-S1	10/16/2013	MW-0507-S1(101613)	PDB	4.5 J	6.6	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	19.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.9 J	< 2.0 U
MW-0507-S1	5/13/2014	MW-0507-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	3.2 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0507-S1	9/25/2014	MW-0507-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.8 J	< 2.0 U
MW-0507-S1	3/31/2015	MW-0507-S1(033115)-PDB	PDB	6.8	15.3	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	60.0	< 100 U	< 5.0 U	1.4 J	< 5.0 U	1.1 J	5.6	< 2.0 U
MW-0507-S1	9/30/2015	MW-0507-S1(093015)PDB	PDB	17.7	27.7	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	83.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	1.8 J	3.7 J	< 2.0 U
MW-0507-S1	3/30/2016	MW-0507-S1(033016)PDB	PDB	14.7	24.4	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	75.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.1	< 2.0 U
MW-0507-S1	9/27/2016	MW-0507-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	9.9	< 100 U	< 5.9 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-I2	10/19/2005	FD-1 (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-I2	10/19/2005	MW-0509-2L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-I2	3/23/2006	MW-0509-I2 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	10/19/2005	MW-0509-1L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	3/23/2006	MW-0509-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	6/24/2009	MW-0509-S1 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0509-S1	10/31/2012	MW-0509-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	4/2/2013	MW-0509-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.1 J	< 2.0 U
MW-0509-S1	10/16/2013	MW-0509-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	5/13/2014	MW-0509-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	9/25/2014	MW-0509-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	87.4 J	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	3.1 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	3/31/2015	MW-0509-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.56 J	< 2.0 U
MW-0509-S1	9/30/2015	MW-0509-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.53 J	< 2.0 U
MW-0509-S1	3/30/2016	MW-0509-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	9/27/2016	MW-0509-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 6.1 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/19/2005	MW-0516-2L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/23/2006	MW-0516-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	6/25/2009	MW-0516-S1 (062509)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	6/25/2009	MW-0516-S1 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	5/5/2010	MW-0516-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	5/6/2010	MW-0516-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	10/28/2010	MW-0516-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	5/13/2011	MW-0516-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.65 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0516-S1	10/18/2011	MW-0516-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/31/2012	MW-0516-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	4/2/2013	MW-0516-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/16/2013	MW-0516-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	5/13/2014	MW-0516-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	9/25/2014	MW-0516-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/31/2015	MW-0516-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	0.56 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.26 J	< 2.0 U
MW-0516-S1	9/30/2015	MW-0516-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/30/2016	FD-1(033016)-LM	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/30/2016	MW-0516-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	9/27/2016	MW-0516-S1(091716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S2	10/20/2005	MW-0516-3L (102005)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S2	3/23/2006	MW-0516-S2 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0516-S2	6/25/2009	MW-0516-S2 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0517-I2	10/18/2005	MW-0517-2L (101805)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	7.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0517-I2	3/22/2006	MW-0517-I2 (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0517-S1	10/18/2005	MW-0517-1L (101805)	Low-Flow	< 5.0 UJ	8.4 J	< 5.0 UJ	< 50.0 UJ	< 5.0 UJ	< 5.0 UJ	370 J	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	42 J	690 J	15 J
MW-0517-S1	3/22/2006	MW-0517-S1 (032206)	Low-Flow	< 5.0 U	10	2.7 J	< 50.0 U	1.7 J	< 5.0 U	900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	65	1,800	30
MW-0517-S1	10/31/2012	MW-0517-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	37.0	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	18.8	103	< 2.0 U
MW-0517-S1	4/2/2013	FD-1 (040213) JG	PDB	< 5.0 U	6.1	2.8 J	< 100 U	1.7 J	< 5.0 U	593 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	77.4	6,440 D	1.6 J
MW-0517-S1	4/2/2013	MW-0517-S1 (040213) PDB	PDB	< 5.0 U	6.1	3.0 J	< 100 U	1.8 J	< 5.0 U	572 EJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	80.4	6,270 EJ	1.9 J
MW-0517-S1	10/16/2013	FD-1(101613)-WK	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	322 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	68.7	2,570 D	3.1
MW-0517-S1	10/16/2013	MW-0517-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	270 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	65.1	2,010 D	3.0
MW-0517-S1	5/13/2014	FD-1(051314)	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	505	< 1,000 U	< 50.0 U	< 50.0 U	< 50.0 U	58.6	4,240 D	< 20.0 U
MW-0517-S1	5/13/2014	MW-0517-S1(051314)	PDB	< 5.0 U	4.3 J	< 5.0 U	< 100 UB	1.1 J	< 5.0 U	582 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	84.5	2,830 D	2.7
MW-0517-S1	9/25/2014	MW-0517-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	303 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	62.3	2,200 D	2.4
MW-0517-S1	3/31/2015	FD-1(033115)-AO-PDB	PDB	< 25.0 U	2.0 J	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	478	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	67.7	2,550 D	3.9 J
MW-0517-S1	3/31/2015	MW-0517-S1(033115)-PDB	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 UB	< 25.0 U	512	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	70.9	2,940 D	4.7 J
MW-0517-S1	9/30/2015	FD-1(093015)-CK	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	80.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	44.5	312 D	< 2.0 U
MW-0517-S1	9/30/2015	MW-0517-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	78.0	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	44.8	346 D	< 2.0 U
MW-0517-S1	3/9/2016	FD-01(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	601	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	72.0	3,720 D	< 10.0 U
MW-0517-S1	3/9/2016	MW-0517-S1(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	600	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	74.3	3,570 D	< 10.0 U
MW-0517-S1	9/27/2016	FD-1(092716)RW	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	145	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	40.6	809 D	< 2.0 U
MW-0517-S1	9/27/2016	MW-0517-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	145	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	42.0	760 D	< 2.0 U
MW-0602-B1	3/24/2006	MW-0602-B1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	300	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	24	< 5.0 U	< 2.0 U
MW-0602-B1	11/7/2006	MW-0602-B1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	300	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	29	< 5.0 U	1.6 J
MW-0602-B1	6/26/2009	MW-0602-B1 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	13.1	83.7	< 100 U	< 5 U	< 5 U	< 5 U	6.9	< 5 U	< 2 U
MW-0602-S1	3/24/2006	MW-0602-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	11/7/2006	MW-0602-S1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/31/2012	MW-0602-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/16/2013	MW-0602-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	5/13/2014	MW-0602-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	9/25/2014	MW-0602-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	3/30/2016	MW-0602-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	9/27/2016	MW-0602-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 7.6 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-B1	3/24/2006	MW-0603-B1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	730	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	44	20	< 2.0 U
MW-0603-B1	11/8/2006	MW-0603-B1 (110806)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	620	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	39	< 5.0 U	2.0
MW-0603-B1	6/25/2009	MW-0603-B1 (062509)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	545	< 100 U	< 5 U	< 5 U	< 5 U	79.2	< 5 U	< 2 U
MW-0603-B1	6/25/2009	MW-0603-B1 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	557	< 100 U	< 5 U	< 5 U	< 5 U	77.4	< 5 U	3.6
MW-0603-S1	3/24/2006	MW-0603-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	11/8/2006	MW-0603-S1 (110806)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	6/25/2009	MW-0603-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S1	5/5/2010	MW-0603-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S1	10/28/2010	MW-0603-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	5/13/2011	MW-0603-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0603-S1	10/18/2011	MW-0603-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	10/31/2012	MW-0603-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	10/16/2013	MW-0603-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	5/13/2014	MW-0603-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	9/25/2014	MW-0603-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	3/31/2015	MW-0603-S1(033115)-AO-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.36 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	9/30/2015	MW-0603-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.27 J	< 2.0 U
MW-0603-S1	3/30/2016	MW-0603-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	9/27/2016	MW-0603-S1(091716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S2	3/24/2006	MW-0603-S2 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	270	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	8.6	< 5.0 U	< 2.0 U
MW-0603-S2	11/8/2006	MW-0603-S2 (110806)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	270	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	8.7	< 5.0 U	2.0
MW-0603-S2	6/25/2009	MW-0603-S2 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	293	< 100 U	< 5 U	< 5 U	< 5 U	11.5	< 5 U	< 2 U
MW-0603-S2	5/5/2010	FD-1 (050510)-TP	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	68.7	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S2	5/5/2010	MW-0603-S2 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	65.7	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S2	5/6/2010	MW-0603-S2 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	291	< 100 U	< 5 U	< 5 U	< 5 U	10.6	< 5 U	< 2 U
MW-0603-S2	10/28/2010	MW-0603-S2(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	74.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S2	5/13/2011	FD-(051311)-EG	PDB	< 1.7 U	< 1.7 U	< 1.7 U	< 27 UB	< 1.7 U	< 1.7 U	64	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	2.2	< 1.7 U	< 1.7 U
MW-0603-S2	5/13/2011	MW-0603-S2(051311)	PDB	< 1.7 U	< 1.7 U	< 1.7 U	< 25 UB	< 1.7 U	< 1.7 U	69	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	2.2	< 1.7 U	0.79 J
MW-0603-S2	10/18/2011	FD-1(101811)-EG	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	60.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S2	10/18/2011	MW-0603-S2(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	61.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0604-S1	3/22/2006	MW-0604-S1 (032206)	Low-Flow	< 5.0 U	11	7.9	< 50.0 U	< 5.0 U	< 5.0 U	1,400	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	120	4,900	43
MW-0604-S1	11/8/2006	MW-0604-S1 (110806)	Low-Flow	< 5.0 U	6.5	5.4	< 50.0 U	< 5.0 U	< 5.0 U	600	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	76	2,700	31
MW-0604-S1	10/31/2012	MW-0604(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	7.6	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	59.5	< 2.0 U
MW-0604-S1	4/2/2013	MW-0604-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	2.8 J	60.2 J	< 5.0 U	< 5.0 U	698 EJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	76.4 J	2,720 EJ	36.2 J
MW-0604-S1	10/16/2013	MW-0604-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	368 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	43.1	1,100 D	19.4
MW-0604-S1	5/13/2014	MW-0604-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	62.5 UB	< 5.0 U	< 5.0 U	271	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	27.2	747 D	16.2
MW-0604-S1	9/25/2014	FD-1(092514)-AO	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	489 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	39.7	1,480 D	20.3
MW-0604-S1	9/25/2014	MW-0604-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	414 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	51.5	1,410 D	24.8
MW-0604-S1	3/31/2015	MW-0604-S1(033115)-PDB	PDB	< 5.0 U	2.6 J	3.5 J	< 100 U	< 5.0 UB	< 5.0 U	878 D	0.65 J	< 5.0 U	< 5.0 U	< 5.0 U	112	2,690 D	57.6
MW-0604-S1	9/30/2015	MW-0604-S1(093015)PDB	PDB	< 5.0 U	0.98 J	1.5 J	< 100 UB	< 5.0 U	< 5.0 U	353 D	0.37 J	< 5.0 U	< 5.0 U	< 5.0 U	52.7	1,240 D	12.5
MW-0604-S1	3/30/2016	MW-0604-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	1,030 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	97.2	3,340 D	37.7

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0604-S1	9/27/2016	MW-0604-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	344	< 100 U	< 5.1 UB	< 5.0 U	< 5.0 U	37.8	1,190 D	11.8
MW-0604-S2	3/22/2006	MW-0604-S2 (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	39	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	20	100	< 2.0 U
MW-0604-S2	11/9/2006	MW-0604-S2 (110906)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	60	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	10	27	< 2.0 U
MW-0604-S2	6/24/2009	MW-0604-S2 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	94.6	< 100 U	< 5 U	< 5 U	< 5 U	8.9	< 5 U	< 2 U
MW-0605-B1	3/22/2006	MW-0605-B1 (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	11	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0605-B1	11/9/2006	MW-0605-B1 (110906)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0605-S1	3/22/2006	MW-0605-S1 (032206)	Low-Flow	< 5.0 U	2.6 J	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	19	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	920	< 2.0 U
MW-0605-S1	11/9/2006	MW-0605-S1 (110906)	Low-Flow	< 5.0 U	3.2 J	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	26	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1,400	< 2.0 U
MW-0605-S1	10/31/2012	MW-0605(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	15.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1,480 D	< 2.0 U
MW-0605-S1	4/2/2013	MW-0605-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	16.9 J	< 100 U	2.6 J	< 5.0 U	< 5.0 U	< 5.0 U	1,180 EJ	< 2.0 U
MW-0605-S1	10/16/2013	MW-0605-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	17.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1,580 D	< 2.0 U
MW-0605-S1	5/13/2014	MW-0605-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	14.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2,630 D	< 2.0 U
MW-0605-S1	12/1/2014	MW-0605-S1(120114)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	99.2 J	< 5.0 U	< 5.0 U	12.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	629 D	< 2.0 U
MW-0605-S1	3/31/2015	MW-0605-S1(033115)-PDB	PDB	< 5.0 U	1.8 J	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	12.0	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	1.0 J	983 D	< 2.0 U
MW-0605-S1	9/30/2015	MW-0605-S1(093015)PDB	PDB	< 5.0 U	2.8 J	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	16.0	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	1.4 J	1,210 D	< 2.0 U
MW-0605-S1	3/30/2016	MW-0605-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	14.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	742 D	< 2.0 U
MW-0605-S1	9/27/2016	MW-0605-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 116 UB	< 50.0 U	< 50.0 U	< 50.0 U	1,100	< 20.0 U
MW-0605-S2	3/22/2006	FD-1 (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	50	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	7.4	27	< 2.0 U
MW-0605-S2	3/22/2006	MW-0605-S2 (032206)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	49	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	7.1	21	< 2.0 U
MW-0605-S2	11/9/2006	MW-0605-S2 (110906)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	7.8	< 5.0 U	< 2.0 U
MW-0606-S1	3/23/2006	MW-0606-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	230	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	42	970	< 2.0 U
MW-0606-S1	11/6/2006	MW-0606-S1 (110606)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	210	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	43	770	1.0 J
MW-0606-S1	10/31/2012	MW-0606-S1(103112)LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	288 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	76.5	2,410 D	< 2.0 U
MW-0606-S1	10/31/2012	MW-0606-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	281 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	78.8	2,380 D	1.2 J
MW-0606-S1	4/2/2013	MW-0606-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	394 EJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	105	4,490 EJ	2.0
MW-0606-S1	10/16/2013	MW-0606-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	314 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	92.8	2,650 D	1.3 J
MW-0606-S1	5/13/2014	MW-0606-S1(051314)	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	365	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	75.9	3,280 D	< 10.0 U
MW-0606-S1	9/25/2014	MW-0606-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	448 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	81.0	2,580 DJ	1.2 J
MW-0606-S1	3/31/2015	MW-0606-S1(033115)-PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	428	< 1,000 U	< 50.0 U	< 50.0 U	< 50.0 U	94.6	3,030 D	< 20.0 U
MW-0606-S1	9/30/2015	MW-0606-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	0.42 J	< 100 UB	< 5.0 U	< 5.0 U	285	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	45.6	1,260 D	0.43 J
MW-0606-S1	3/9/2016	MW-0606-S1(030916)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	329 D	< 100 U	< 5.0 UJ	< 5.0 U	< 5.0 U	62.6	1,960 D	< 2.0 U
MW-0606-S1	9/27/2016	MW-0606-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	633	< 1,000 U	< 113 UB	< 50.0 U	< 50.0 U	58.0	1,130	< 20.0 U
MW-0606-S2	3/23/2006	MW-0606-S2 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	1.8 J	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	2.8 J	< 2.0 U
MW-0606-S2	11/6/2006	MW-0606-S2 (110606)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 7.2 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.3 J	< 2.0 U
MW-0606-S2	6/26/2009	MW-0606-S2 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	245	< 100 U	< 5 U	< 5 U	< 5 U	50.9	390	< 2 U
MW-0606-S2	4/19/2012	MW-0606-S2 (041912)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	194	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	47.5	729 D	< 2.0 U
MW-0606-S2	10/31/2012	MW-0606-S2(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	192	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	43.6	532 D	< 2.0 U
MW-0607-B1	11/12/2008	MW-0607-B1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-B1	6/25/2009	MW-0607-B1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-B1	5/5/2010	MW-0607-B1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-B1	10/28/2010	MW-0607-B1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-B1	5/13/2011	MW-0607-B1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 14 UB	< 1.0 U	< 1.0 U	3.2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.44 J	< 1.0 U	< 1.0 U
MW-0607-B1	10/18/2011	MW-0607-B1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	3/24/2006	MW-0607-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	11/6/2006	MW-0607-S1 (110606)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	6/25/2009	MW-0607-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	5/5/2010	MW-0607-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	5/6/2010	MW-0607-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	10/28/2010	MW-0607-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	5/13/2011	MW-0607-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.63 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0607-S1	10/18/2011	MW-0607-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	10/31/2012	MW-0607-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0607-S1	4/2/2013	MW-0607-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	2.9 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	36.9 J	< 2.0 U
MW-0607-S1	10/16/2013	MW-0607-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	5/13/2014	MW-0607-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	1.6 J	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	9/25/2014	MW-0607-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.0 J	< 2.0 U
MW-0607-S1	3/31/2015	MW-0607-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.23 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	9/30/2015	MW-0607-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.24 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	3/30/2016	MW-0607-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	9/27/2016	MW-0607-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.2 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S2	3/7/2007	MW-0607-S2 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S2	11/12/2008	MW-0607-S2 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S2	5/5/2010	MW-0607-S2 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	5.5	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S2	5/6/2010	MW-0607-S2 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S2	10/28/2010	MW-0607-S2(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S2	5/13/2011	MW-0607-S2(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.80 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.66 J
MW-0607-S2	10/18/2011	MW-0607-S2(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-B1	3/23/2006	MW-0608-B1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	8.4	150	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	87	2.3 J	< 2.0 U
MW-0608-B1	11/7/2006	MW-0608-B1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	180	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	150	< 5.0 U	1.3 J
MW-0608-B1	6/25/2009	MW-0608-B1 (062509)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	6.0	125	< 100 U	< 5 U	< 5 U	< 5 U	123	< 5 U	< 2 U
MW-0608-B1	6/25/2009	MW-0608-B1 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	169	< 100 U	< 5 U	< 5 U	< 5 U	188	6.6	3.2

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0608-S1	3/23/2006	MW-0608-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	2.9 J	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	2.0 J	< 2.0 U
MW-0608-S1	11/7/2006	MW-0608-S1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	35	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3.3 J	1.7 J	< 2.0 U
MW-0608-S1	6/26/2009	MW-0608-S1 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	24.5	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	4.9
MW-0608-S1	10/31/2012	MW-0608-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0608-S1	4/2/2013	MW-0608-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	30.9	< 100 U	2.5 J	< 5.0 U	< 5.0 U	< 5.0 U	5.2 J	1.7 J
MW-0608-S1	10/16/2013	MW-0608-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	5/13/2014	MW-0608-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	148	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	11.7	3.5 J	5.4
MW-0608-S1	9/25/2014	MW-0608-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.5 J	< 2.0 U
MW-0608-S1	3/31/2015	MW-0608-S1(033115)-PDB	PDB	< 5.0 U	1.4 J	0.33 J	< 100 UB	< 5.0 U	< 5.0 U	144	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	13.1	< 5.0 U	4.0
MW-0608-S1	9/30/2015	MW-0608-S1(093015)PDB	PDB	< 5.0 U	3.9 J	0.54 J	< 100 UB	< 5.0 U	< 5.0 U	243 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	35.3	< 5.0 U	5.8
MW-0608-S1	3/30/2016	MW-0608-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	97.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	9.3	< 5.0 U	2.6
MW-0608-S1	9/27/2016	MW-0608-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 7.3 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S2	3/23/2006	MW-0608-S2 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	900	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	100	100	< 2.0 U
MW-0608-S2	11/7/2006	MW-0608-S2 (110706)	Low-Flow	< 5.0 U	< 5.0 UJ	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 UJ	630	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	88 J	63	< 2.0 U
MW-0608-S2	6/26/2009	FD-2-PS (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	635	< 100 U	< 5 U	< 5 U	< 5 U	109	12.4	2.5
MW-0608-S2	6/26/2009	MW-0608-S2 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	605	< 100 U	< 5 U	< 5 U	< 5 U	113	12.2	2.6
MW-0609-S1	3/23/2006	MW-0609-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	61	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	9.7	260	< 2.0 U
MW-0609-S1	11/9/2006	MW-0609-S1 (110906)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	55	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	9.0	220	< 2.0 U
MW-0609-S1	6/26/2009	FD-1-PS (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	225	< 100 U	< 5 U	< 5 U	< 5 U	25.4	69.4	3.7
MW-0609-S1	6/26/2009	MW-0609-S1 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	226	< 100 U	< 5 U	< 5 U	< 5 U	26.1	69.9	3.6
MW-0609-S1	10/31/2012	MW-0609-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	3.8 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S1	4/2/2013	MW-0609-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	18.9	< 100 U	2.9 J	< 5.0 U	< 5.0 U	< 5.0 U	8.2 J	< 2.0 U
MW-0609-S1	10/16/2013	MW-0609-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	489 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	40.1	5.9	7.8
MW-0609-S1	5/13/2014	MW-0609-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	198 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	16.2	40.1	5.4
MW-0609-S1	9/25/2014	MW-0609-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	26.6	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	2.7 J	< 5.0 U	6.2
MW-0609-S1	9/30/2015	MW-0609-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	347 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	53.1	248	3.2
MW-0609-S1	3/30/2016	MW-0609-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	18.6	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	7.9	< 2.0 U
MW-0609-S1	9/27/2016	MW-0609-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	496	< 100 U	< 7.9 UB	< 5.0 U	< 5.0 U	49.7	17.1	18.1
MW-0609-S2	11/10/2006	MW-0609-S2 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	73	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	10	< 5.0 U	4.1
MW-0609-S2	11/12/2008	MW-0609-S2 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	22.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S2	5/5/2010	MW-0609-S2 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	127	< 100 U	< 5 U	< 5 U	< 5 U	17.0	< 5 U	4.1
MW-0609-S2	5/6/2010	MW-0609-S2 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	102	< 100 U	< 5 U	< 5 U	< 5 U	13.0	< 5 U	3.5
MW-0609-S2	10/28/2010	MW-0609-S2(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	20.3	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S2	5/13/2011	MW-0609-S2(051311)	PDB	< 4.0 U	< 4.0 U	< 4.0 U	< 40 U	< 4.0 U	< 4.0 U	130	< 4.0 U	< 4.0 UB	< 4.0 U	< 4.0 U	17	< 4.0 U	4.8
MW-0609-S2	10/18/2011	MW-0609-S2(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	24.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S2	4/20/2012	MW-0609-S2_20120420	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	175	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	21.1	< 5.0 U	3.2
MW-0609-S2	10/31/2012	MW-0609-S2(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	21.3	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	11/10/2006	MW-0610-S1 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	40	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.2 J	< 5.0 U	1.9 J
MW-0610-S1	11/12/2008	MW-0610-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	19.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/5/2010	MW-0610-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0610-S1	10/28/2010	MW-0610-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/13/2011	MW-0610-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.67 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0610-S1	10/18/2011	MW-0610-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	10/31/2012	MW-0610-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	10/16/2013	MW-0610-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/13/2014	MW-0610-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	9/25/2014	MW-0610-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	2.0 J	< 5.0 U	< 2.0 U
MW-0610-S1	3/31/2015	MW-0610-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.43 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	9/30/2015	MW-0610-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	2.1 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	3/30/2016	MW-0610-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	9/27/2016	MW-0610-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.4 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0611-S1	11/13/2006	MW-0611-S1 (111306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0611-S1	11/13/2008	MW-0611-S1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0611-S1	4/29/2016	MW-0611-S1 (042916) (LOW FLOW)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 UJ
MW-0612-S1	11/9/2006	MW-0612-S1 (110906)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	130	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	43	3,300	2.4
MW-0612-S1	3/7/2007	FD-1-MG (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	132	< 100 U	< 5.0 UJ	< 5.0 U	< 5.0 U	38.6	3,760	3.1
MW-0612-S1	3/7/2007	MW-0612-S1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	161	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	38.9	3,950	< 2.0 U
MW-0612-S1	6/25/2009	MW-0612-S1 (062509)	Low-Flow	< 50 U	< 50 U	< 50 U	< 1,000 UJ	< 50 U	< 50 U	207	< 1,000 U	< 50 U	< 50 U	< 50 U	< 50 U	4,370	< 20 U
MW-0612-S1	4/19/2012	MW-0612-S1 (041912)-PDB	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	223	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	44.9	4,750 D	15.1
MW-0612-S1	10/31/2012	FD-2(103112)PDB-WK	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	850 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	141	675 D	< 2.0 U
MW-0612-S1	10/31/2012	MW-0612-S1(103112)LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	185	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	45.8	2,490 D	11.8
MW-0612-S1	10/31/2012	MW-0612-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	275	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	48.5	5,440 D	24.5
MW-0612-S1	4/2/2013	MW-0612-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	191	< 100 U	3.5 J	< 5.0 U	< 5.0 U	41.0	3,720 EJ	9.3
MW-0612-S1	10/16/2013	MW-0612-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	242	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	49.1	3,220 D	12.4
MW-0612-S1	5/13/2014	MW-0612-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	248 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	46.2	3,400 D	13.2
MW-0612-S1	9/25/2014	MW-0612-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	251	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	43.2	3,190 DJ	13.7
MW-0612-S1	3/31/2015	MW-0612-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	0.65 J	< 100 UB	< 5.0 U	< 5.0 U	292	0.32 J	< 5.0 U	< 5.0 U	< 5.0 U	49.6	3,870 D	11.6
MW-0612-S1	9/30/2015	MW-0612-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	0.43 J	< 100 UB	< 5.0 U	< 5.0 U	268 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	62.5	4,420 D	7.6
MW-0612-S1	3/9/2016	MW-0612-S1(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	193	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	47.2	2,380 D	< 10.0 U
MW-0612-S1	9/27/2016	MW-0612-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	249	< 1,000 U	< 112 UB	< 50.0 U	< 50.0 U	< 50.0 U	4,630 D	< 20.0 U
MW-0612-S2	11/10/2006	MW-0612-S2 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	360	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	130	1,400	< 2.0 U
MW-0612-S2	3/7/2007	MW-0612-S2 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	827	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	160	1,320	< 2.0 U

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0612-S2	6/25/2009	MW-0612-S2 (062509)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	1,440	< 100 U	< 5 U	< 5 U	< 5 U	199	353	< 2 U
MW-0612-S2	6/25/2009	MW-0612-S2 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	1,360	< 100 U	< 5 U	< 5 U	< 5 U	183	268	< 2 U
MW-0612-S2	4/19/2012	MW-0612-S2 (041912)-LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	663 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	148	747 D	< 2.0 U
MW-0612-S2	4/19/2012	MW-0612-S2 (041912)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	678 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	140	625 D	< 2.0 U
MW-0612-S2	10/31/2012	MW-0612-S2(103112)LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	871 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	150	857 D	< 2.0 U
MW-0612-S2	10/31/2012	MW-0612-S2(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	868 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	127	647 D	< 2.0 U
MW-0613-S1	11/10/2006	MW-0613-S1 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	11/12/2008	MW-0613-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/5/2010	MW-0613-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0613-S1	10/28/2010	MW-0613-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/13/2011	MW-0613-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.65 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0613-S1	10/18/2011	MW-0613-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	10/31/2012	MW-0613-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 UB	< 2.0 U
MW-0613-S1	4/2/2013	MW-0613-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	24.0 J	< 2.0 U
MW-0613-S1	10/16/2013	MW-0613-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/13/2014	MW-0613-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	9/25/2014	MW-0613-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.9 J	< 2.0 U
MW-0613-S1	3/31/2015	MW-0613-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	9/30/2015	MW-0613-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.55 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	3/30/2016	MW-0613-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	9/27/2016	MW-0613-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.4 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0614-B1	11/16/2006	MW-0614-B1 (111606)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	3.9 J	3.1 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0614-B1	11/12/2008	MW-0614-B1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	17.5	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0614-S2	11/16/2006	MW-0614-S2 (111606)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	2.6 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0614-S2	11/12/2008	MW-0614-S2 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0614-S2	5/5/2010	MW-0614-S2 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0614-S2	10/28/2010	MW-0614-S2(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0614-S2	5/13/2011	MW-0614-S2(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	1.6	0.63 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0614-S2	10/18/2011	MW-0614-S2(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1	11/20/2006	FD-2-MG (112006)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1	11/20/2006	MW-0615-B1 (112006)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	1.6 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.8 J	< 2.0 U
MW-0615-B1	11/14/2008	MW-0615-B1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1	5/5/2010	MW-0615-B1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0615-B1	10/28/2010	MW-0615-B1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1	5/13/2011	MW-0615-B1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	1.8	0.16 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0615-B1	10/18/2011	MW-0615-B1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1a	11/13/2008	FD-1-MG (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 UJ	< 100 U	< 5.0 U	< 5.0 U	5.1	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1a	11/13/2008	MW-0615-B1A (103-113)(111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 UJ	< 100 U	< 5.0 U	< 5.0 U	5.4	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1a	11/13/2008	MW-0615-B1A (137-145.2)(111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 UJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1a	11/13/2008	MW-0615-B1A (93-103)(111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 UJ	< 100 U	< 5.0 U	< 5.0 U	5.2	< 5.0 U	< 5.0 U	< 2.0 U
MW-0615-B1a	11/14/2008	MW-0615-B1A (80-90)(111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 UJ	< 100 U	< 5.0 U	< 5.0 U	10.0	< 5.0 U	< 5.0 U	< 2.0 U
MW-0616-B1	11/27/2006	MW-0616-B1 (112706)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	14	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0616-B1	11/13/2008	MW-0616-B1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	10.8	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0616-B1a	11/19/2008	MW-0616-B1A (117-127)(111908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0616-B1a	11/19/2008	MW-0616-B1A (127-137)(111908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	13.7	< 5.0 U	< 5.0 U	< 2.0 U
MW-0616-B1a	11/19/2008	MW-0616-B1A (137-145.6)(111908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0616-B1a	11/20/2008	MW-0616-B1A (107-117)(112008)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	7.7	< 5.0 U	< 5.0 U	< 2.0 U
MW-0616-S1	11/13/2006	MW-0616-S1 (111306)	Low-Flow	< 5.0 U	< 5.0 U	2.1 J	< 50.0 U	< 5.0 U	< 5.0 U	880	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	54	5.7	3.7
MW-0616-S1	11/14/2008	MW-0616-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	226	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	18.6	< 5.0 U	10.3
MW-0616-S1	10/31/2012	MW-0616(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	111	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	3.3 J	< 5.0 U	11.1
MW-0617-B1	3/7/2007	MW-0617-B1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	105	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	15.7	< 5.0 U	< 2.0 U
MW-0617-B1	11/12/2008	MW-0617-B1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	122	< 100 U	< 5.0 U	289	< 5.0 U	25.8	301	< 2.0 U
MW-0617-B1	12/29/2008	MW-0617-B1 (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	162	< 100 U	< 5.0 U	561	< 5.0 U	35.8	405	< 2.0 U
MW-0617-S1	3/7/2007	MW-0617-S1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 UJ	48.1	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	11/12/2008	MW-0617-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	18.3	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	12/29/2008	MW-0617-S1 (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/31/2012	MW-0617-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/16/2013	MW-0617-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	5/13/2014	MW-0617-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	56.5 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	9/25/2014	MW-0617-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	3/31/2015	MW-0617-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.29 J	< 2.0 U
MW-0617-S1	9/30/2015	MW-0617-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	3/30/2016	MW-0617-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	9/27/2016	MW-0617-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 6.3 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S2	3/7/2007	MW-0617-S2 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	518	< 100 U	< 5.0 U	9.0	< 5.0 U	74.5	386	< 2.0 U
MW-0617-S2	11/14/2008	MW-0617-S2 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	342	< 100 U	< 5.0 U	5.8	< 5.0 U	34.4	209	< 2.0 U
MW-0617-S2	12/29/2008	FD-1-MAH (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	668	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	60.2	221	< 2.0 U
MW-0617-S2	12/29/2008	MW-0617-S2 (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	586	< 100 U	< 5.0 U	8.4	< 5.0 U	62.4	227	< 2.0 U

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

ARCADIS Design & Consultancy for natural and built assets

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0618-S1	11/13/2006	MW-0618-S1 (111306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	11/12/2008	MW-0618-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	10/31/2012	MW-0618-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0618-S1	4/2/2013	MW-0618-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.2 J	< 2.0 U
MW-0618-S1	10/16/2013	MW-0618-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	5/13/2014	MW-0618-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	3/31/2015	MW-0618-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.49 J	< 5.0 U	< 5.0 U	< 5.0 U	0.29 J	< 5.0 U	< 2.0 U
MW-0618-S1	9/30/2015	MW-0618-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	0.91 J	0.36 J	< 5.0 U	< 5.0 U	< 5.0 U	0.74 J	0.28 J	< 2.0 U
MW-0618-S1	3/30/2016	MW-0618-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	9/27/2016	MW-0618-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 6.1 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0619-S1	11/20/2006	MW-0619-S1 (112006)	Direct Fill	< 5.0 U	< 5.0 U	1.8 J	< 50.0 U	< 5.0 U	< 5.0 U	390	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	26	1,900	1.8 J
MW-0619-S1	11/14/2008	FD-2-TK (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	347	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	31.8	3,140	5.0
MW-0619-S1	11/14/2008	MW-0619-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	345	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	33.8	3,200	4.9
MW-0619-S1	10/31/2012	MW-0619-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	143	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	6.7	963 D	< 2.0 U
MW-0619-S1	4/2/2013	MW-0619-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	18.4 J	< 100 U	4.0 J	< 5.0 U	< 5.0 U	< 5.0 U	4.7 J	< 2.0 U
MW-0619-S1	10/16/2013	MW-0619-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	165	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	8.4	929 D	< 2.0 U
MW-0619-S1	5/13/2014	MW-0619-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	54.4 UB	< 5.0 U	< 5.0 U	19.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.3 J	< 2.0 U
MW-0619-S1	9/25/2014	MW-0619-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	17.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	20.1	< 2.0 U
MW-0619-S1	3/31/2015	MW-0619-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	25.1	0.38 J	< 5.0 U	< 5.0 U	< 5.0 U	0.94 J	3.0 J	1.8 J
MW-0619-S1	9/30/2015	MW-0619-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	0.89 J	< 100 UB	< 5.0 U	< 5.0 U	195	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	13.0	1,310 D	1.5 J
MW-0619-S1	3/30/2016	MW-0619-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	23.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0619-S1	9/27/2016	MW-0619-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	50.0	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	202	< 2.0 U
MW-0620-S1	11/21/2006	MW-0620-S1 (112106)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	110	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	11	5,900	< 2.0 U
MW-0620-S1	11/14/2008	MW-0620-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	75.0	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	10.4	5,940	< 2.0 U
MW-0620-S1	4/19/2012	MW-0620-S1 (041912)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	7.1	86.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4,830 D	< 2.0 U
MW-0620-S1	10/31/2012	MW-0620-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	4.1 J	213	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	10	5,660 D	< 2.0 U
MW-0620-S1	4/2/2013	MW-0620-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	12.3 J	17.8 J	< 100 U	3.1 J	< 5.0 U	< 5.0 U	< 5.0 U	12,400 EJ	< 2.0 U
MW-0620-S1	10/16/2013	MW-0620-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	1,820 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	5.0	1,780 D	< 2.0 U
MW-0620-S1	12/16/2013	MW-0620-S1(121613)		< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	1,930	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	17.8	2,520	< 2.0 U
MW-0620-S1	1/30/2014	MW-0620-S1(013014)		< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	9.2	39.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	10,200	< 2.0 U
MW-0620-S1	5/13/2014	MW-0620-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	7.7	167 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5,770 D	< 2.0 U
MW-0620-S1	9/25/2014	MW-0620-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	6.4	9.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4,830 D	< 2.0 U
MW-0620-S1	3/31/2015	MW-0620-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	6.3	19.6	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3,000 D	1.1 J
MW-0620-S1	9/30/2015	MW-0620-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	2.3 J	< 100 UB	< 5.0 U	1.5 J	1,100 D	0.35 J	< 5.0 U	< 5.0 U	< 5.0 U	11.3	1,150 D	6.4
MW-0620-S1	3/30/2016	FD-2(033016)-LM	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	5.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4,410 D	< 2.0 U
MW-0620-S1	3/30/2016	MW-0620-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	6.0	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4,690 D	< 2.0 U
MW-0620-S1	9/27/2016	MW-0620-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	1,150	< 1,000 U	< 133 UB	< 50.0 U	< 50.0 U	< 50.0 U	1,680	< 20.0 U
MW-0621-S1	11/20/2006	FD-3-MG (112006)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	82	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	20	3,500 J	< 2.0 U
MW-0621-S1	11/20/2006	MW-0621-S1 (112006)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	< 5.0 U	80	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	19	6,400	< 2.0 U
MW-0621-S1	11/14/2008	MW-0621-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	119	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	19.4	3,110	< 2.0 U
MW-0621-S1	10/31/2012	MW-0621-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	72.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	25.6	1,790 D	< 2.0 U
MW-0621-S1	4/2/2013	MW-0621-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	70.0 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	24.8 J	1,640 EJ	< 2.0 U
MW-0621-S1	10/16/2013	MW-0621-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	109	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	30.6	3,220 D	< 2.0 U
MW-0621-S1	5/13/2014	MW-0621-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	55.5 UB	< 5.0 U	< 5.0 U	71.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	28.5	1,070 D	< 2.0 U
MW-0621-S1	9/25/2014	MW-0621-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	118	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	36.1	3,300 DJ	2.0 J
MW-0621-S1	3/31/2015	FD-2(033115)-AO-PDB	PDB	< 125 U	< 125 U	< 125 U	< 2,500 U	< 125 U	< 125 U	1,840	< 2,500 U	< 125 U	< 125 U	< 125 U	42.3 J	16,300 D	< 50.0 U
MW-0621-S1	3/31/2015	MW-0621-S1(033115)-PDB	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	80.4	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	27.6	2,110 D	< 10.0 U
MW-0621-S1	9/30/2015	MW-0621-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	95.6	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	32.1	2,760 D	1.4 J
MW-0621-S1	3/9/2016	MW-0621-S1(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	124	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	38.1	3,030 D	< 10.0 U
MW-0621-S1	9/27/2016	MW-0621-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	174	< 1,000 U	< 111 UB	< 50.0 U	< 50.0 U	< 50.0 U	4,000 D	< 20.0 U
MW-0622-S1	11/21/2006	MW-0622-S1 (112106)	Direct Fill	< 5.0 U	4.0 J	3.9 J	< 50.0 U	< 5.0 U	< 5.0 U	520	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	18	6,000	2.1
MW-0622-S1	11/14/2008	MW-0622-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	248	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	7.9	2,510	< 2.0 U
MW-0622-S1	10/31/2012	MW-0622-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	11.5	< 100 U	< 5.0 U	< 5.0 U	2,100 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	40.1	20,800 D	3.3
MW-0622-S1	4/2/2013	FD-2 (040213) JG	PDB	< 5.0 U	< 5.0 U	8.9	< 100 U	< 5.0 U	< 5.0 U	2,330 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	84.8	26,800 D	3.2
MW-0622-S1	4/2/2013	MW-0622-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	13.7 J	< 100 U	< 5.0 U	< 5.0 U	2,670 EJ	< 100 U	6.5 J	< 5.0 U	< 5.0 U	83.3 J	20,100 EJ	4.6 J
MW-0622-S1	10/16/2013	FD-2(101613)-WK	PDB	< 5.0 U	2.8 J	5.9	< 100 U	< 5.0 U	< 5.0 U	1,800 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	30.5 J	15,700 D	< 2.0 U
MW-0622-S1	10/16/2013	MW-0622-S1(101613)	PDB	< 100 U	< 100 U	< 100 U	< 2,000 U	< 100 U	< 100 U	1,700	< 2,000 U	< 100 U	< 100 U	< 100 U	79.9 J	18,800 D	< 40.0 U
MW-0622-S1	5/13/2014	FD-2(051314)	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	2,660	< 1,000 U	< 50.0 U	< 50.0 U	< 50.0 U	28.8 J	22,700 D	< 20.0 U
MW-0622-S1	5/13/2014	MW-0622-S1(051314)	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	2,650	< 1,000 U	< 50.0 U	< 50.0 U	< 50.0 U	29.8 J	18,400 D	< 20.0 U
MW-0622-S1	9/25/2014	FD-2(092514)-AO	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 UJ	< 25.0 U	1,660 DJ	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	29.0	10,400 DJ	< 10.0 U
MW-0622-S1	9/25/2014	MW-0622-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	7.3	54.0 J	< 5.0 U	< 5.0 U	1,960 DJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	27.1	16,000 D	1.9 J
MW-0622-S1	3/31/2015	MW-0622-S1(033115)-PDB	PDB	< 100 U	< 100 U	< 100 U	< 2,000 U	< 100 U	< 100 U	1,790	< 2,000 U	< 100 U	< 100 U	< 100 U	35.8 J	21,800 D	< 40.0 U
MW-0622-S1	9/30/2015	FD-2(093015)-CK	PDB	< 5.0 U	3.4 J	7.2	< 100 UB	< 5.0 U	< 5.0 U	1,550 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	33.4	11,900 D	1.8 J
MW-0622-S1	9/30/2015	MW-0622-S1(093015)PDB	PDB	< 5.0 U	3.5 J	7.6	< 100 UB	< 5.0 U	< 5.0 U	1,520 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	32.9	14,700 D	1.8 J
MW-0622-S1	3/9/2016	MW-0622-S1(030916)	Low-Flow	< 100 U	< 100 U	< 100 U	< 2,000 U	< 100 U	< 100 U	946	< 2,000 U	< 100 UJ	< 100 U	< 100 U	< 100 U	9,610 D	< 40.0 U
MW-0622-S1	9/27/2016	FD-2(092716)RW	PDB	< 5.0 U	< 5.0 U	6.2	< 100 U	< 5.0 U	< 5.0 U	1,470 D	< 100 U	< 6.0 UB	< 5.0 U	< 5.0 U	22.7	11,500 D	< 2.0 U
MW-0622-S1	9/27/2016	MW-0622-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	1,420	< 1,000 U	< 132 UB	< 50.0 U	< 50.0 U	< 50.0 U	12,100 D	< 20.0 U
MW-0622-S2	11/21/2006	MW-0622-S2 (112106)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U	< 5.0 U	3.1 J	1.7 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0622-S2	11/13/2008	MW-0622-S2 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0622-S2	5/5/2010	MW-0622-S2 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0622-S2	10/28/2010	MW-0622-S2(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0622-S2	5/13/2011	MW-0622-S2(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.75 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0622-S2	10/18/2011	MW-0622-S2(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0622-S2	4/19/2012	MW-0622-S2 (041912)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0622-S2	10/31/2012	MW-0622-S2(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0623-S1	3/7/2007	MW-0623-S1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	11/12/2008	FD-3-MAH (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 2.0 U
MW-0623-S1	11/12/2008	MW-0623-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	20.3 J	< 2.0 U
MW-0623-S1	12/29/2008	MW-0623-S1 (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	5/5/2010	MW-0623-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0623-S1	10/28/2010	MW-0623-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	5/13/2011	MW-0623-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.67 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0623-S1	10/18/2011	MW-0623-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	10/31/2012	MW-0623-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	4/2/2013	MW-0623-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	20.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	228	< 2.0 U
MW-0623-S1	10/16/2013	MW-0623-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3.1 J	< 2.0 U
MW-0623-S1	5/13/2014	MW-0623-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	9/25/2014	MW-0623-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	3/31/2015	MW-0623-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.46 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	9/30/2015	MW-0623-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	< 5.0 U	0.82 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.47 J	< 2.0 U
MW-0623-S1	3/30/2016	MW-0623-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0623-S1	9/27/2016	MW-0623-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 6.9 UB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0701-B1a	11/12/2008	MW-0701-B1A (88-98)(111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 UJ	< 100 U	< 5.0 U	< 5.0 U	12.8	< 5.0 U	< 5.0 U	< 2.0 U
MW-0701-B1a	11/12/2008	MW-0701-B1A (98-108)(111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 UJ	< 100 U	< 5.0 U	< 5.0 U	5.8	< 5.0 U	< 5.0 U	< 2.0 U
MW-0702-B1	11/13/2008	MW-0702-B1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0702-B1	6/26/2009	MW-0702-B1 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0703-B1	11/12/2008	MW-0703-B1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0703-B1	6/26/2009	MW-0703-B1 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0703-B1	5/5/2010	MW-0703-B1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0703-B1	10/28/2010	MW-0703-B1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0703-B1	5/13/2011	MW-0703-B1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UB	< 1.0 U	< 1.0 U	< 1.0 U	0.62 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0703-B1	10/18/2011	MW-0703-B1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0704-S1	11/13/2008	MW-0704-S1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	408	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	71.8	1,370	< 2.0 U
MW-0704-S1	6/25/2009	MW-0704-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	571	< 100 U	< 5 U	< 5 U	< 5 U	103	1,200	5.6
MW-0704-S1	10/31/2012	MW-0704-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	635 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	81.3	1,640 D	2.9
MW-0704-S1	4/2/2013	MW-0704-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	714 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	96.1	2,000 D	2.6
MW-0704-S1	10/16/2013	MW-0704-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	628 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	99.5	1,830 D	4.5
MW-0704-S1	5/13/2014	MW-0704-S1(051314)	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	606	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	77.4	2,080 D	< 10.0 U
MW-0704-S1	9/25/2014	MW-0704-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	3.1 J	< 100 U	< 5.0 U	< 5.0 U	704 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	109	3,240 DJ	5.1
MW-0704-S1	3/31/2015	MW-0704-S1(033115)-PDB	PDB	< 25.0 U	< 25.0 U	2.8 J	< 500 U	< 25.0 U	< 25.0 U	740	< 500 U	3.3 J	< 25.0 U	< 25.0 U	101	2,640 D	3.7 J
MW-0704-S1	9/30/2015	MW-0704-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	1.1 J	< 100 UB	< 5.0 U	< 5.0 U	620 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	94.9	1,880 D	4.8
MW-0704-S1	3/9/2016	MW-0704-S1(030916)	Low-Flow	< 25.0 U	< 25.0 U	< 25.0 U	< 500 U	< 25.0 U	< 25.0 U	660	< 500 U	< 25.0 UJ	< 25.0 U	< 25.0 U	89.5	1,370 D	< 10.0 U
MW-0704-S1	9/27/2016	MW-0704-S1(092716)PDB	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 1,000 U	< 50.0 U	< 50.0 U	668	< 1,000 U	< 107 UB	< 50.0 U	< 50.0 U	88.9	2,480	< 20.0 U
MW-0705-S1	11/13/2008	MW-0705-S1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 R	< 5.0 U	< 5.0 U	37.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	9.4	187	< 2.0 U
MW-0705-S1	6/26/2009	MW-0705-S1 (062609)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	50.0	< 100 U	< 5 U	< 5 U	< 5 U	14.9	178	5.1
MW-0705-S1	6/26/2009	MW-0705-S1 (062609)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 100 UJ	< 5 U	< 5 U	34.0	< 100 U	< 5 U	< 5 U	< 5 U	9.0	86.3	4.8
MW-0705-S1	10/31/2012	MW-0705-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	39.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	9.4	146	4.2
MW-0705-S1	4/2/2013	MW-0705-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	46.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	13.7	177	4.1
MW-0705-S1	10/16/2013	MW-0705-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	50.3	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	11.9	185	3.9
MW-0705-S1	5/13/2014	MW-0705-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	42.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	10.7	131	4.2
MW-0705-S1	9/25/2014	MW-0705-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	40.6	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	9.3	115	3.1
MW-0705-S1	3/31/2015	MW-0705-S1(033115)-PDB	PDB	< 5.0 U	0.80 J	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	47.9	0.25 J	< 5.0 U	< 5.0 U	< 5.0 U	12.1	148	3.6
MW-0705-S1	9/30/2015	MW-0705-S1(093015)PDB	PDB	< 5.0 U	0.71 J	< 5.0 U	< 100 UB	< 5.0 U	< 5.0 U	59.5	0.56 J	< 5.0 U	< 5.0 U	< 5.0 U	18.5	176	3.2
MW-0705-S1	3/30/2016	MW-0705-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 UJ	< 5.0 U	< 5.0 U	46.5	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	11.6	135	3.4
MW-0705-S1	9/27/2016	MW-0705-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	46.7	< 100 U	< 7.9 UB	< 5.0 U	< 5.0 U	13.0	149	3.2
MW-1501-S1	9/2/2015	MW-1501-S1(090215)	Low-Flow	< 5.0 U	< 5.0 U	0.87 J	15.9 J	< 5.0 U	0.30 J	85.5	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	34.1	1,540 D	4.9
MW-1502-S1	9/2/2015	MW-1502-S1(090215)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	148	< 100 U	< 5.0 U	< 5.0 U	0.15 J	1.2 J	42.4	45.0
MW-1503-S1	9/2/2015	MW-1503-S1(090215)	Low-Flow	< 5.0 U	< 5.0 U	16.1	< 100 U	< 5.0 U	0.48 J	1,980 D	< 100 U	< 5.0 U	< 5.0 U	0.22 J	25.7	2,820 D	50.5
MW-1504-S1	9/2/2015	MW-1504-S1(090215)	Low-Flow	< 5.0 U	< 5.0 U	4.0 J	< 100 U	< 5.0 U	0.27 J	315 D	< 100 U	< 5.0 U	< 5.0 U	0.34 J	13.2	4,680 D	7.0
MW-1505-S1	9/3/2015	MW-1505-S1(090315)	Low-Flow	< 5.0 U	< 5.0 U	0.80 J	< 100 U	< 5.0 U	0.17 J	132	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	5.8	832 D	1.7 J
MW-1506-S1	9/3/2015	MW-1506-S1(090315)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	1.3 J	10.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	579 D	< 2.0 U
MW-1507-S1	9/3/2015	MW-1507-S1(090315)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	0.58 J	14.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	2.2 J	271 D	< 2.0 U
MW-1508-S1	9/3/2015	DUP-01(090315)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	0.36 J	9.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	0.33 J	102	< 2.0 U
MW-1508-S1	9/3/2015	MW-1508-S1(090315)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	0.51 J	10	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	0.35 J	105	< 2.0 U
Maximum Contaminant Level‡				200	24	7.0	14,000	5.0	80	70	13,000	5.0	5.0	1,000	100	5.0	2.0

Notes:

‡ The data are screened against United States Environmental Protection Agency (USEPA) Drinking Water Screening Criteria (Maximum Contaminant Levels [MCLs]).

* No MCL is established for 1,1-dichloroethane, acetone, or cyclohexane; as such, the Indiana Deprtment of Environmental Management Remediation Closure Guide (RCG) Tap Water Criteria were used for screening purposes

Shaded Concentrations highlighted gray exceed the screening criteria

µg/L: micrograms per liter

D: Concentration is based on a diluted sample analysis

E: The compound was quantitated above the calibration range.

Table 2
Groundwater Analytical Data Summary Screened Against Drinking Water Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane*	1,1-Dichloroethene	Acetone*	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane*	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride

J: The compound was positively identified; however, the associated numerical value is an estimated concentration only
PDB: Passive diffusion bag
U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit
UB: Compound considered non-detect at the listed value due to associated blank contamination
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation

Table 3
Groundwater Analytical Data Summary Screened against Groundwater Vapor Intrusion Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0516-S1	10/19/2005	MW-0516-2L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/23/2006	MW-0516-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	6/25/2009	MW-0516-S1 (062509)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	6/25/2009	MW-0516-S1 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	5/5/2010	MW-0516-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	5/6/2010	MW-0516-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	10/28/2010	MW-0516-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	5/13/2011	MW-0516-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0516-S1	10/18/2011	MW-0516-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/31/2012	MW-0516-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	4/2/2013	MW-0516-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/16/2013	MW-0516-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	5/13/2014	MW-0516-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	9/25/2014	MW-0516-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/31/2015	MW-0516-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.26 J	< 2.0 U
MW-0516-S1	9/30/2015	MW-0516-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/30/2016	MW-0516-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/30/2016	FD-1(033016)-LM	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	9/27/2016	MW-0516-S1(091716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	3/24/2006	MW-0602-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	11/7/2006	MW-0602-S1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/31/2012	MW-0602-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/16/2013	MW-0602-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	5/13/2014	MW-0602-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	9/25/2014	MW-0602-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	3/30/2016	MW-0602-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	9/27/2016	MW-0602-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	3/24/2006	MW-0603-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	11/8/2006	MW-0603-S1 (110806)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	6/25/2009	MW-0603-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S1	5/5/2010	MW-0603-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S1	10/28/2010	MW-0603-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	5/13/2011	MW-0603-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0603-S1	10/18/2011	MW-0603-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	10/31/2012	MW-0603-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	10/16/2013	MW-0603-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	5/13/2014	MW-0603-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	9/25/2014	MW-0603-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	3/31/2015	MW-0603-S1(033115)-AO-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	9/30/2015	MW-0603-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.27 J	< 2.0 U
MW-0603-S1	3/30/2016	MW-0603-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	9/27/2016	MW-0603-S1(091716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0606-S1	3/23/2006	MW-0606-S1 (032306)	Low-Flow	< 5.0 U	230	< 5.0 UJ	42	970	< 2.0 U
MW-0606-S1	11/6/2006	MW-0606-S1 (110606)	Low-Flow	< 5.0 U	210	< 5.0 U	43	770	1.0 J
MW-0606-S1	10/31/2012	MW-0606-S1(103112)LF	Low-Flow	< 5.0 U	288 D	< 5.0 U	76.5	**2,410 D**	< 2.0 U
MW-0606-S1	10/31/2012	MW-0606-S1(103112)PDB	PDB	< 5.0 U	281 D	< 5.0 U	78.8	**2,380 D**	1.2 J
MW-0606-S1	4/2/2013	MW-0606-S1 (040213) PDB	PDB	< 5.0 U	394 EJ	< 5.0 U	105	**4,490 EJ**	2.0
MW-0606-S1	10/16/2013	MW-0606-S1(101613)	PDB	< 5.0 U	314 D	< 5.0 U	92.8	**2,650 D**	1.3 J
MW-0606-S1	5/13/2014	MW-0606-S1(051314)	PDB	< 25.0 U	365	< 25.0 U	75.9	**3,280 D**	< 10.0 U
MW-0606-S1	9/25/2014	MW-0606-S1(092514)PDB	PDB	< 5.0 U	448 D	< 5.0 U	81.0	**2,580 DJ**	1.2 J
MW-0606-S1	3/31/2015	MW-0606-S1(033115)-PDB	PDB	< 50.0 U	428	< 50.0 U	94.6	**3,030 D**	< 20.0 U

Table 3
Groundwater Analytical Data Summary Screened against Groundwater Vapor Intrusion Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0606-S1	9/30/2015	MW-0606-S1(093015)PDB	PDB	0.42 J	285	< 5.0 U	45.6	1,260	0.43 J
MW-0606-S1	3/9/2016	MW-0606-S1(030916)	Low-Flow	< 5.0 U	329 D	< 5.0 U	62.6	**1,960 D**	< 2.0 U
MW-0606-S1	9/27/2016	MW-0606-S1(092716)PDB	PDB	< 50.0 U	633	< 50.0 U	58.0	1,130	< 20.0 U
MW-0607-S1	3/24/2006	MW-0607-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	11/6/2006	MW-0607-S1 (110606)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	6/25/2009	MW-0607-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	5/5/2010	MW-0607-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	5/6/2010	MW-0607-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	10/28/2010	MW-0607-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	5/13/2011	MW-0607-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0607-S1	10/18/2011	MW-0607-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	10/31/2012	MW-0607-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0607-S1	4/2/2013	MW-0607-S1 (040213) PDB	PDB	< 5.0 U	2.9 J	< 5.0 U	< 5.0 U	36.9 J	< 2.0 U
MW-0607-S1	10/16/2013	MW-0607-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	5/13/2014	MW-0607-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	9/25/2014	MW-0607-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.0 J	< 2.0 U
MW-0607-S1	3/31/2015	MW-0607-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	9/30/2015	MW-0607-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	3/30/2016	MW-0607-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	9/27/2016	MW-0607-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	3/23/2006	MW-0608-S1 (032306)	Low-Flow	< 5.0 U	2.9 J	< 5.0 UJ	< 5.0 U	2.0 J	< 2.0 U
MW-0608-S1	11/7/2006	MW-0608-S1 (110706)	Low-Flow	< 5.0 U	35	< 5.0 U	3.3 J	1.7 J	< 2.0 U
MW-0608-S1	6/26/2009	MW-0608-S1 (062609)	Low-Flow	< 5 U	24.5	< 5 U	< 5 U	< 5 U	4.9
MW-0608-S1	10/31/2012	MW-0608-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0608-S1	4/2/2013	MW-0608-S1 (040213) PDB	PDB	< 5.0 U	30.9	< 5.0 U	< 5.0 U	5.2 J	1.7 J
MW-0608-S1	10/16/2013	MW-0608-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	5/13/2014	MW-0608-S1(051314)	PDB	< 5.0 U	148	< 5.0 U	11.7	3.5 J	5.4
MW-0608-S1	9/25/2014	MW-0608-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.5 J	< 2.0 U
MW-0608-S1	3/31/2015	MW-0608-S1(033115)-PDB	PDB	0.33 J	144	< 5.0 U	13.1	< 5.0 U	4.0
MW-0608-S1	9/30/2015	MW-0608-S1(093015)PDB	PDB	0.54 J	243	< 5.0 U	35.3	< 5.0 U	5.8
MW-0608-S1	3/30/2016	MW-0608-S1(033016)PDB	PDB	< 5.0 U	97.8	< 5.0 U	9.3	< 5.0 U	2.6
MW-0608-S1	9/27/2016	MW-0608-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S1	3/23/2006	MW-0609-S1 (032306)	Low-Flow	< 5.0 U	61	< 5.0 UJ	9.7	260	< 2.0 U
MW-0609-S1	11/9/2006	MW-0609-S1 (110906)	Low-Flow	< 5.0 U	55	< 5.0 U	9.0	220	< 2.0 U
MW-0609-S1	6/26/2009	FD-1-PS (062609)	Low-Flow	< 5 U	225	< 5 U	25.4	69.4	3.7
MW-0609-S1	6/26/2009	MW-0609-S1 (062609)	Low-Flow	< 5 U	226	< 5 U	26.1	69.9	3.6
MW-0609-S1	10/31/2012	MW-0609-S1(103112)PDB	PDB	< 5.0 U	3.8 J	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S1	4/2/2013	MW-0609-S1 (040213) PDB	PDB	< 5.0 U	18.9	< 5.0 U	< 5.0 U	8.2 J	< 2.0 U
MW-0609-S1	10/16/2013	MW-0609-S1(101613)	PDB	< 5.0 U	489 D	< 5.0 U	40.1	5.9	7.8
MW-0609-S1	5/13/2014	MW-0609-S1(051314)	PDB	< 5.0 U	198 D	< 5.0 U	16.2	40.1	5.4
MW-0609-S1	9/25/2014	MW-0609-S1(092514)PDB	PDB	< 5.0 U	26.6	< 5.0 U	2.7 J	< 5.0 U	6.2
MW-0609-S1	9/30/2015	MW-0609-S1(093015)PDB	PDB	< 5.0 U	347	< 5.0 U	53.1	248	3.2
MW-0609-S1	3/30/2016	MW-0609-S1(033016)PDB	PDB	< 5.0 U	18.6	< 5.0 U	< 5.0 U	7.9	< 2.0 U
MW-0609-S1	9/27/2016	MW-0609-S1(092716)PDB	PDB	< 5.0 U	496	< 5.0 U	49.7	17.1	18.1
MW-0610-S1	11/10/2006	MW-0610-S1 (111006)	Low-Flow	< 5.0 U	40	< 5.0 U	4.2 J	< 5.0 U	1.9 J
MW-0610-S1	11/12/2008	MW-0610-S1 (111208)	Low-Flow	< 5.0 U	19.1	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/5/2010	MW-0610-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0610-S1	10/28/2010	MW-0610-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/13/2011	MW-0610-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0610-S1	10/18/2011	MW-0610-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U

Table 3
Groundwater Analytical Data Summary Screened against Groundwater Vapor Intrusion Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0610-S1	10/31/2012	MW-0610-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	10/16/2013	MW-0610-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/13/2014	MW-0610-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	9/25/2014	MW-0610-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.0 J	< 2.0 U
MW-0610-S1	3/31/2015	MW-0610-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	9/30/2015	MW-0610-S1(093015)PDB	PDB	< 5.0 U	2.1 J	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	3/30/2016	MW-0610-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	9/27/2016	MW-0610-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0612-S1	11/9/2006	MW-0612-S1 (110906)	Low-Flow	< 5.0 U	130	< 5.0 U	43	**3,300**	2.4
MW-0612-S1	3/7/2007	FD-1-MG (030707)	Low-Flow	< 5.0 U	132	< 5.0 U	38.6	**3,760**	3.1
MW-0612-S1	3/7/2007	MW-0612-S1 (030707)	Low-Flow	< 5.0 U	161	< 5.0 U	38.9	**3,950**	< 2.0 U
MW-0612-S1	6/25/2009	MW-0612-S1 (062509)	Low-Flow	< 50 U	207	< 50 U	< 50 U	**4,370**	< 20 U
MW-0612-S1	4/19/2012	MW-0612-S1 (041912)-PDB	Low-Flow	< 5.0 U	223	< 5.0 U	44.9	**4,750 D**	15.1
MW-0612-S1	10/31/2012	FD-2(103112)PDB-WK	PDB	< 5.0 U	850 D	< 5.0 U	141	675 D	< 2.0 U
MW-0612-S1	10/31/2012	MW-0612-S1(103112)LF	Low-Flow	< 5.0 U	185	< 5.0 U	45.8	**2,490 D**	11.8
MW-0612-S1	10/31/2012	MW-0612-S1(103112)PDB	PDB	< 5.0 U	275	< 5.0 U	48.5	**5,440 D**	24.5
MW-0612-S1	4/2/2013	MW-0612-S1 (040213) PDB	PDB	< 5.0 U	191	< 5.0 U	41.0	**3,720 EJ**	9.3
MW-0612-S1	10/16/2013	MW-0612-S1(101613)	PDB	< 5.0 U	242	< 5.0 U	49.1	**3,220 D**	12.4
MW-0612-S1	5/13/2014	MW-0612-S1(051314)	PDB	< 5.0 U	248 D	< 5.0 U	46.2	**3,400 D**	13.2
MW-0612-S1	9/25/2014	MW-0612-S1(092514)PDB	PDB	< 5.0 U	251	< 5.0 U	43.2	**3,190 DJ**	13.7
MW-0612-S1	3/31/2015	MW-0612-S1(033115)-PDB	PDB	0.65 J	292	< 5.0 U	49.6	**3,870 D**	11.6
MW-0612-S1	9/30/2015	MW-0612-S1(093015)PDB	PDB	0.43 J	268	< 5.0 U	62.5	**4,420**	7.6
MW-0612-S1	3/9/2016	MW-0612-S1(030916)	Low-Flow	< 25.0 U	193	< 25.0 U	47.2	**2,380 D**	< 10.0 U
MW-0612-S1	9/27/2016	MW-0612-S1(092716)PDB	PDB	< 50.0 U	249	< 50.0 U	< 50.0 U	**4,630 D**	< 20.0 U
MW-0613-S1	11/10/2006	MW-0613-S1 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	11/12/2008	MW-0613-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/5/2010	MW-0613-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0613-S1	10/28/2010	MW-0613-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/13/2011	MW-0613-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0613-S1	10/18/2011	MW-0613-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	10/31/2012	MW-0613-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 UB	< 2.0 U
MW-0613-S1	4/2/2013	MW-0613-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	24.0 J	< 2.0 U
MW-0613-S1	10/16/2013	MW-0613-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/13/2014	MW-0613-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	9/25/2014	MW-0613-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.9 J	< 2.0 U
MW-0613-S1	3/31/2015	MW-0613-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	9/30/2015	MW-0613-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	3/30/2016	MW-0613-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	9/27/2016	MW-0613-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	3/7/2007	MW-0617-S1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	48.1	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	11/12/2008	MW-0617-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	18.3	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	12/29/2008	MW-0617-S1 (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/31/2012	MW-0617-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/16/2013	MW-0617-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	5/13/2014	MW-0617-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	9/25/2014	MW-0617-S1(092514)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	3/31/2015	MW-0617-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.29 J	< 2.0 U
MW-0617-S1	9/30/2015	MW-0617-S1(093015)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	3/30/2016	MW-0617-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	9/27/2016	MW-0617-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U

Table 3
Groundwater Analytical Data Summary Screened against Groundwater Vapor Intrusion Criteria
Former GM Delco Plant 5
Kokomo, Indiana

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0618-S1	11/13/2006	MW-0618-S1 (111306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	11/12/2008	MW-0618-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	10/31/2012	MW-0618-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0618-S1	4/2/2013	MW-0618-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.2 J	< 2.0 U
MW-0618-S1	10/16/2013	MW-0618-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	5/13/2014	MW-0618-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	3/31/2015	MW-0618-S1(033115)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	0.29 J	< 5.0 U	< 2.0 U
MW-0618-S1	9/30/2015	MW-0618-S1(093015)PDB	PDB	< 5.0 U	0.91 J	< 5.0 U	0.74 J	0.28 J	< 2.0 U
MW-0618-S1	3/30/2016	MW-0618-S1(033016)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	9/27/2016	MW-0618-S1(092716)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0704-S1	11/13/2008	MW-0704-S1 (111308)	Low-Flow	< 5.0 U	408	< 5.0 U	71.8	1,370	< 2.0 U
MW-0704-S1	6/25/2009	MW-0704-S1 (062509)	Low-Flow	< 5 U	571	< 5 U	103	1,200	5.6
MW-0704-S1	10/31/2012	MW-0704-S1(103112)PDB	PDB	< 5.0 U	635 D	< 5.0 U	81.3	**1,640 D**	2.9
MW-0704-S1	4/2/2013	MW-0704-S1 (040213) PDB	PDB	< 5.0 U	714 D	< 5.0 U	96.1	**2,000 D**	2.6
MW-0704-S1	10/16/2013	MW-0704-S1(101613)	PDB	< 5.0 U	628 D	< 5.0 U	99.5	**1,830 D**	4.5
MW-0704-S1	5/13/2014	MW-0704-S1(051314)	PDB	< 25.0 U	606	< 25.0 U	77.4	**2,080 D**	< 10.0 U
MW-0704-S1	9/25/2014	MW-0704-S1(092514)PDB	PDB	3.1 J	704 D	< 5.0 U	109	**3,240 DJ**	5.1
MW-0704-S1	3/31/2015	MW-0704-S1(033115)-PDB	PDB	2.8 J	740	< 25.0 U	101	**2,640 D**	3.7 J
MW-0704-S1	9/30/2015	MW-0704-S1(093015)PDB	PDB	1.1 J	620	< 5.0 U	94.9	**1,880**	4.8
MW-0704-S1	3/9/2016	MW-0704-S1(030916)	Low-Flow	< 25.0 U	660	< 25.0 U	89.5	1,370 D	< 10.0 U
MW-0704-S1	9/27/2016	MW-0704-S1(092716)PDB	PDB	< 50.0 U	668	< 50.0 U	88.9	**2,480**	< 20.0 U
MW-0705-S1	11/13/2008	MW-0705-S1 (111308)	Low-Flow	< 5.0 U	37.2	< 5.0 U	9.4	187	< 2.0 U
MW-0705-S1	6/26/2009	MW-0705-S1 (062609)-LF	Low-Flow	< 5 U	50.0	< 5 U	14.9	178	5.1
MW-0705-S1	6/26/2009	MW-0705-S1 (062609)-PDB	PDB	< 5 U	34.0	< 5 U	9.0	86.3	4.8
MW-0705-S1	10/31/2012	MW-0705-S1(103112)PDB	PDB	< 5.0 U	39.8	< 5.0 U	9.4	146	4.2
MW-0705-S1	4/2/2013	MW-0705-S1 (040213) PDB	PDB	< 5.0 U	46.8	< 5.0 U	13.7	177	4.1
MW-0705-S1	10/16/2013	MW-0705-S1(101613)	PDB	< 5.0 U	50.3	< 5.0 U	11.9	185	3.9
MW-0705-S1	5/13/2014	MW-0705-S1(051314)	PDB	< 5.0 U	42.1	< 5.0 U	10.7	131	4.2
MW-0705-S1	9/25/2014	MW-0705-S1(092514)PDB	PDB	< 5.0 U	40.6	< 5.0 U	9.3	115	3.1
MW-0705-S1	3/31/2015	MW-0705-S1(033115)-PDB	PDB	< 5.0 U	47.9	< 5.0 U	12.1	148	3.6
MW-0705-S1	9/30/2015	MW-0705-S1(093015)PDB	PDB	< 5.0 U	59.5	< 5.0 U	18.5	176	3.2
MW-0705-S1	3/30/2016	MW-0705-S1(033016)PDB	PDB	< 5.0 U	46.5	< 5.0 U	11.6	135	3.4
MW-0705-S1	9/27/2016	MW-0705-S1(092716)PDB	PDB	< 5.0 U	46.7	< 5.0 U	13.0	149	3.2
Residential‡				**55,120**	**41,260**	**44,270**	**23,430**	**1,540**	**540**
Commercial/Industrial‡				**77,160**	**57,760**	**61,980**	**32,800**	**2,150**	**1,810**

Notes:

µg/L	Results are reported in micrograms per liter
‡	The data are screened against site-specific Groundwater Vapor Intrusion Screening Criteria for residential and commercial/industrial values
BOLD	Results exceed the residential standards
SHADED	Results exceed the commercial/industrial standards
D:	Concentration is based on a diluted sample analysis
LF:	LF - Low Flow Sampling Technique
PDB:	PDB - Passive Diffusion Bag Sampling Technique
J:	J - The compound was positively identified; however, the associated numerical value is an estimated concentration only
U:	U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit
UB:	UB - Compound considered non-detect at the listed value due to associated blank contamination
UJ:	UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation

FIGURES

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIN\00884\2016\00007\DWG\SADR\00884W01.dwg LAYOUT:1 SAVED: 1/9/2017 10:46 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/9/2017 10:47 AM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
00743X01
00884XLD

BUTLER STREET

MAIN STREET

SPRAKER STREET

SPRAKER STREET

LORDEMAN STREET

LORDEMAN STREET

WASHINGTON STREET

BUCKEYE STREET

TATE STREET

KIRK STREET

PREBLE STREET

GRASS

RESTAURANT

RESTAURANT PARKING

ASPHALT

FORMER WATER TANK

FORMER PUMP HOUSE

FORMER EAST MANUFACTURING BUILDING

FORMER OIL HOUSE

FORMER HAZARDOUS WASTE STORAGE

CONC.

FORMER MIDWEST PLATING STONE PARKING

AOI 2

AOI 7

AOI 3

AOI 5

AOI 4

AOI 6

814.0

815.0

813.0

812.0

MW-0501-S1 (814.20)

MW-1501-S1 (814.99)

MW-0103-S1U (813.96)

MW-1502-S1 (814.57)

MW-1503-S1 (814.16)

MW-1504-S1 (814.16)

MW-1505-S1 (814.07)

MW-1506-S1 (813.49)

MW-1508-S1 (811.65)*

MW-0623-S1 (814.16)

MW-1507-S1 (813.26)

MW-0622-S1 (813.97)

MW-0619-S1 (813.85)

MW-0102-S1U (813.70)

MW-0509-S1 (813.78)

MW-0618-S1 (808.25)*

MW-0613-S1 (813.27)

MW-0704-S1 (813.72)

MW-0606-S1 (813.06)

MW-0505-S1 (813.66)

MW-0502-S1 (813.83)

MW-0101-S1U (813.73)

MW-0517-S1 (814.71)

MW-0705-S1 (814.07)

MW-0612-S1 (812.87)

MW-0607-S1 (811.67)

MW-0604-S1 (813.64)

MW-0504-S1 (813.35)

MW-0503-S1 (813.69)

MW-0507-S1 (813.50)

MW-0506-S1 (813.24)

MW-0608-S1 (812.80)

MW-0617-S1 (813.15)

MW-0609-S1 (811.92)

MW-0603-S1 (814.33)

MW-0602-S1 (813.08)

MW-0610-S1 (811.48)

MW-0616-S1 (813.19)

MW-0610-S1 (816.80)*

MW-1301-S1 (814.82)

MW-0621-S1 (813.80)

MW-0605-S1 (813.89)

MW-0516-S1 (815.60)

MW-0622-S1 (813.90)

1.6

N

LEGEND

MW-0603-S1 MONITORING WELL SCREENED IN S1 UNIT

AREA OF INTEREST (AOI)

PROPERTY BOUNDARY

(813.72) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

(808.25)* GROUNDWATER ELEVATION NOT USED TO GENERATE CONTOURS

814.0 GROUNDWATER CONTOUR

0 100' 200'
GRAPHIC SCALE

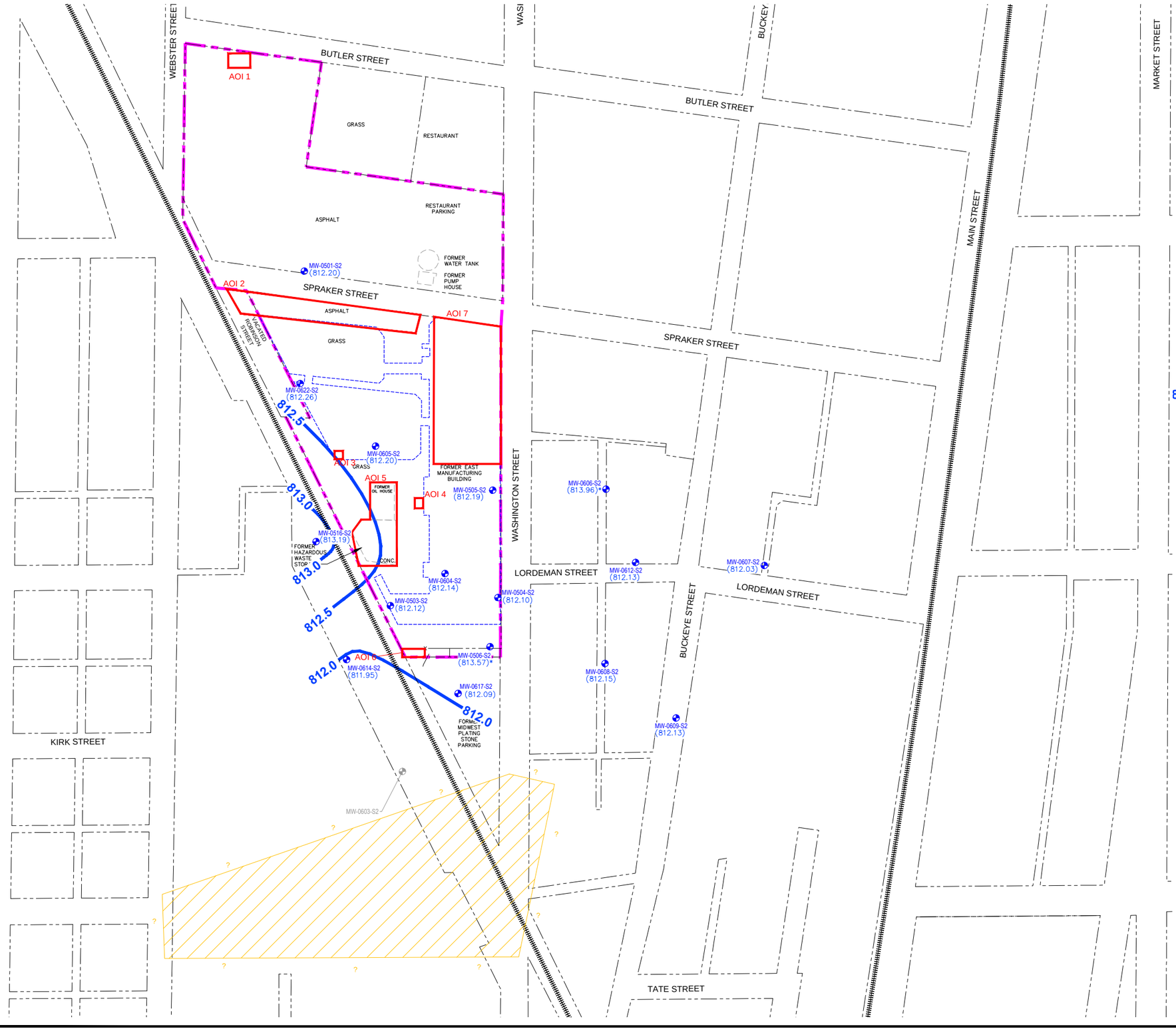
RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
SEMI-ANNUAL DATA REPORT - SECOND HALF 2016

POTENTIOMETRIC SURFACE - S1 UNIT (NOVEMBER 16, 2016)

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIN\00088412016\00007\DWG\SADR\00884W02.dwg LAYOUT: 2 SAVED: 1/9/2017 10:47 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/9/2017 10:48 AM BY: SCHILLING, ADAM
XREFS: PROJECTNAME: ----
00743X01 IMAGES:
00884XLD



RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
SEMI-ANNUAL DATA REPORT - SECOND HALF 2016

GROUNDWATER ELEVATIONS - S2 UNIT (NOVEMBER 16, 2016)

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

MW-0622-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 100 U	< 5.0 U [< 5.0 U]	< 100 U	< 50.0 U [< 5.0 U]
1,1-Dichloroethane	< 100 U	3.5 J [3.4 J]	< 100 U	< 50.0 U [< 5.0 U]
1,1-Dichloroethene	< 100 U	**7.6 [7.2]**	< 100 U	< 50.0 U [< 5.0 U]
Acetone	< 2000 U	< 100 UB [< 100 UB]	< 2000 U	< 1000 U [< 100 U]
Benzene	< 100 U	< 5.0 U [< 5.0 U]	< 100 U	< 50.0 U [< 5.0 U]
Chloroform (Trichloromethane)	< 100 U	< 5.0 U [< 5.0 U]	< 100 U	< 50.0 U [< 5.0 U]
cis-1,2-Dichloroethene	**1790**	**1520 D [1550 D]**	**946**	**1420 [1470 D]**
Cyclohexane	< 2000 U	< 100 U [< 100 U]	< 2000 U	< 1000 U [< 100 U]
Methylene chloride	< 100 U	< 5.0 U [< 5.0 U]	< 100 U	< 132 UB [< 6.1 UB]
Tetrachloroethene	< 100 U	< 5.0 U [< 5.0 U]	< 100 U	< 50.0 U [< 5.0 U]
Toluene	< 100 U	< 5.0 U [< 5.0 U]	< 100 U	< 50.0 U [< 5.0 U]
trans-1,2-Dichloroethene	35.8 J	32.9 [33.4]	< 100 U	< 50.0 U [22.7]
Trichloroethene	**21600 D**	**14700 D [11900 D]**	**9610 D**	**12100 D [11500 D]**
Vinyl chloride	< 40.0 U	1.8 J [1.8 J]	< 40.0 U	< 20.0 U [< 2.0 U]

MW-0623-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	180
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	4.1 J	2.6 J	< 5.0 U	< 5.0 U
Cyclohexane	< 100 U	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 6.9 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	0.47 J	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0501-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	180
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	4.1 J	2.6 J	< 5.0 U	< 5.0 U
Cyclohexane	< 100 U	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 6.8 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	0.36 J	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0103-S1U	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	4.1 J	**293**	7.6	< 5.0 U
Cyclohexane	0.39 J	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 7.1 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	0.31 J	22.4	< 5.0 U	< 5.0 U
Trichloroethene	0.36 J	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	**4.7**	1.8 J	**5.3**	**9.3**

MW-0619-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	0.89 J	< 5.0 U	< 5.0 U
Acetone	< 100 U	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	25.1	**155**	23.7	50.0
Cyclohexane	0.38 J	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	0.94 J	13.0	< 5.0 U	< 5.0 U
Trichloroethene	3.0 J	**1310 D**	< 5.0 U	**202**
Vinyl chloride	1.8 J	1.5 J	< 2.0 U	< 2.0 U

MW-0509-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Cyclohexane	< 100 U	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 6.1 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	0.56 J	0.53 J	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0605-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U
1,1-Dichloroethane	1.8 J	2.8 J	< 5.0 U	< 50.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U
Acetone	< 100 U	< 100 UB	< 100 U	< 1000 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U
cis-1,2-Dichloroethene	12.0	16.0	14.7	< 50.0 U
Cyclohexane	< 100 U	< 100 U	< 100 U	< 1000 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 116 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 50.0 U
trans-1,2-Dichloroethene	1.0 J	1.4 J	< 5.0 U	< 50.0 U
Trichloroethene	**982 D**	**1210 D**	**742 D**	**1100**
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 20.0 U

MW-0502-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 U	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	1.1 J	1.2 J	< 5.0 U	< 5.0 U
Cyclohexane	0.36 J	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 5.3 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	1.0 J	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0621-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethane	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethene	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 50.0 U
Acetone	< 2500 U [< 500 U]	< 100 UB	< 500 U	< 1000 U
Benzene	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 50.0 U
Chloroform (Trichloromethane)	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 50.0 U
cis-1,2-Dichloroethene	**1840 [80.4]**	**95.6**	**124**	**174**
Cyclohexane	< 2500 U [< 500 U]	< 100 U	< 500 U	< 1000 U
Methylene chloride	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 111 UB
Tetrachloroethene	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 50.0 U
Toluene	< 125 U [< 25.0 U]	< 5.0 U	< 25.0 U	< 50.0 U
trans-1,2-Dichloroethene	27.6 [42.3 J]	32.1	38.1	< 50.0 U
Trichloroethene	**16300 D [2110 D]**	**2760 D**	**3030 D**	**4000 D**
Vinyl chloride	< 10.0 U [< 50.0 U]	1.4 J	< 10.0 U	< 20.0 U

MW-0618-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	0.91 J	< 5.0 U	< 5.0 U
Cyclohexane	0.49 J	0.36 J	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 6.1 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	0.29 J	0.74 J	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	0.28 J	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0613-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Cyclohexane	< 100 U	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 5.4 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0102-S1U	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethane	< 25.0 U	4.4 J	< 25.0 U	< 50.0 U
1,1-Dichloroethene	2.8 J	6.5	< 25.0 U	< 50.0 U
Acetone	< 500 U	< 100 UB	< 500 U	< 1000 U
Benzene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Chloroform (Trichloromethane)	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
cis-1,2-Dichloroethene	**867**	**1260 D**	**1010**	**1230**
Cyclohexane	< 500 U	< 100 U	< 500 U	< 1000 U
Methylene chloride	< 25.0 U	< 5.0 U	< 25.0 U	< 106 UB
Tetrachloroethene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Toluene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
trans-1,2-Dichloroethene	82.8	125	114	104
Trichloroethene	**2470 D**	**4440 D**	**2360 D**	**5060 D**
Vinyl chloride	**12.9**	**28.6**	**17.0**	**21.6**

MW-0704-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethane	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethene	2.8 J	1.1 J	< 25.0 U	< 50.0 U
Acetone	< 500 U	< 100 UB	< 500 U	< 1000 U
Benzene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Chloroform (Trichloromethane)	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
cis-1,2-Dichloroethene	**740**	**620 D**	**660**	**668**
Cyclohexane	< 500 U	< 100 U	< 500 U	< 1000 U
Methylene chloride	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Tetrachloroethene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Toluene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
trans-1,2-Dichloroethene	82.8	125	114	104
Trichloroethene	**2470 D**	**4440 D**	**2360 D**	**5060 D**
Vinyl chloride	**12.9**	**28.6**	**17.0**	**21.6**

MW-0607-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 UB
cis-1,2-Dichloroethene	0.23 J	0.34 J	< 100 U	< 100 U
Cyclohexane	< 100 U	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0606-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 50.0 U	< 5.0 U	< 5.0 U	< 50.0 U
1,1-Dichloroethane	< 50.0 U	< 5.0 U	< 5.0 U	< 50.0 U
1,1-Dichloroethene	< 50.0 U	0.42 J	< 5.0 U	< 50.0 U
Acetone	< 1000 U	< 100 UB	< 100 U	< 1000 U
Benzene	< 50.0 U	< 5.0 U	< 5.0 U	< 50.0 U
Chloroform (Trichloromethane)	< 50.0 U	< 5.0 U	< 5.0 U	< 50.0 U
cis-1,2-Dichloroethene	**428**	**285**	**329 D**	**633**
Cyclohexane	< 1000 U	< 100 U	< 100 U	< 1000 U
Methylene chloride	< 50.0 U	< 5.0 U	< 5.0 U	< 113 UB
Tetrachloroethene	< 50.0 U	< 5.0 U	< 5.0 U	< 50.0 U
Toluene	< 50.0 U	< 5.0 U	< 5.0 U	< 50.0 U
trans-1,2-Dichloroethene	94.6	45.6	62.6	58.0
Trichloroethene	**3030 D**	**1260 D**	**1960 D**	**1130**
Vinyl chloride	< 20.0 U	0.43 J	< 2.0 U	< 20.0 U

MW-0101-S1U	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethane	4.2 J	2.7 J	< 25.0 U	< 50.0 U
1,1-Dichloroethene	**8.0 J**	**19.8**	< 25.0 U	< 50.0 U
Acetone	< 500 U	< 100 UB	< 500 U	< 1000 UJ
Benzene	< 25.0 UB	2.9 J	< 25.0 U	< 50.0 U
Chloroform (Trichloromethane)	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
cis-1,2-Dichloroethene	**1060**	**3160 D**	**1020**	**2330**
Cyclohexane	< 500 U	< 100 U	< 500 U	< 1000 U
Methylene chloride	< 25.0 U	< 5.0 U	< 25.0 U	< 110 UB
Tetrachloroethene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Toluene	< 25.0 U	0.44 J	< 25.0 U	< 50.0 U
trans-1,2-Dichloroethene	56.1	114	62.0	69.5
Trichloroethene	**17900 D**	**5200 D**	**6560 D**	**18500 D**
Vinyl chloride	**32.8**	**75.6**	**59.3**	**33.2**

MW-0516-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
Acetone	< 100 U	< 100 UB	< 100 U [< 100 U]	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
cis-1,2-Dichloroethene	0.56 J	< 100 U	< 100 U [< 100 U]	< 100 U
Cyclohexane	< 100 U	< 100 U	< 100 U [< 100 U]	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
Trichloroethene	0.26 J	< 5.0 U	< 5.0 U [< 5.0 U]	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U [< 2.0 U]	< 2.0 U

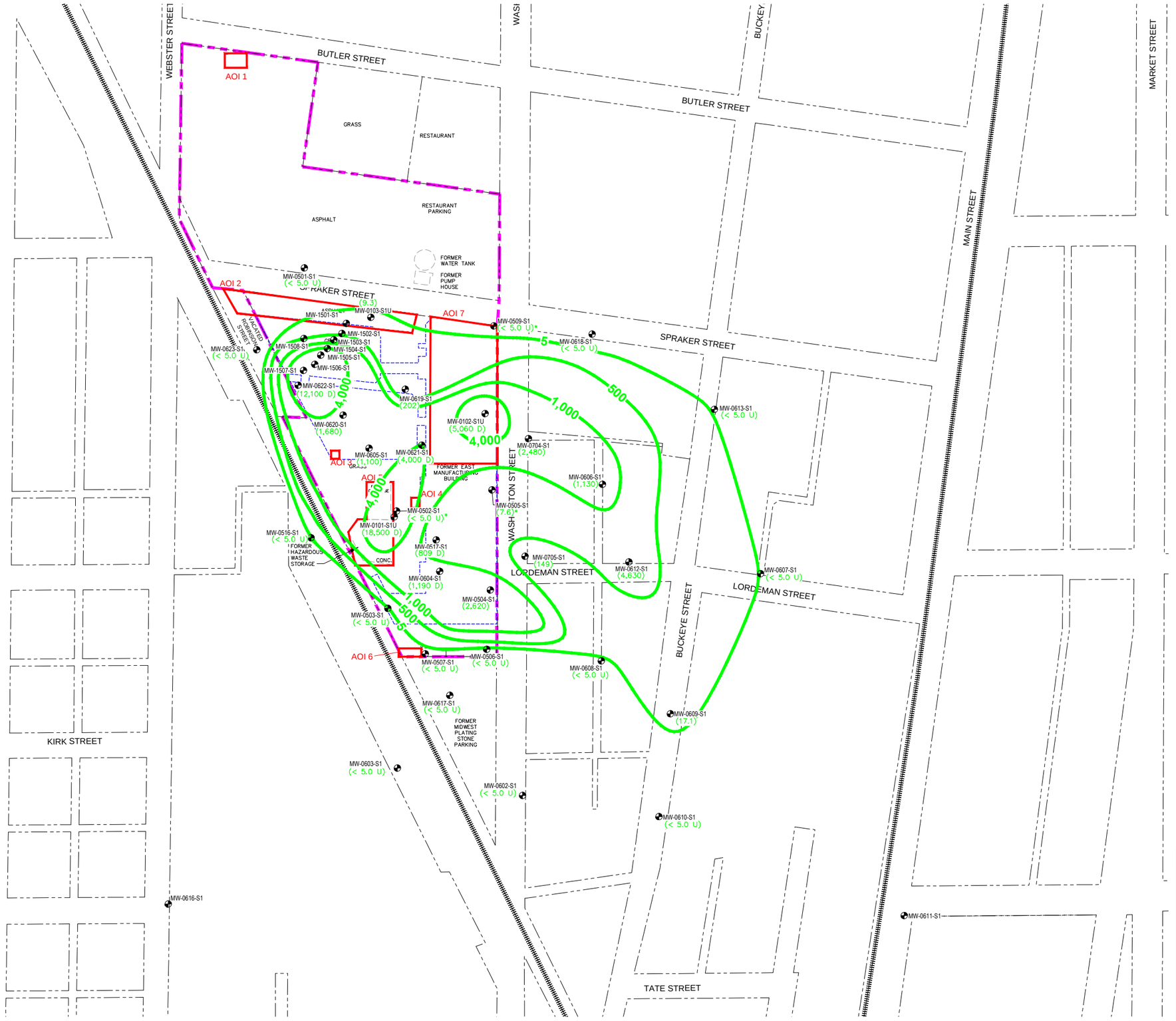
MW-0610-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 UJ	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.4 UB
cis-1,2-Dichloroethene	< 5.0 U	2.1 J	< 5.0 U	< 5.0 U
Cyclohexane	0.43 J	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 7.6 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0705-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	0.80 J	0.71 J	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 UB	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	47.9	59.5	46.5	46.7
Cyclohexane	0.25 J	0.56 J	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 7.9 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	12.1	18.5	11.6	13.0
Trichloroethene	**148**	**176**	**135**	**149**
Vinyl chloride	**3.6**	**3.2**	**3.4**	**3.2**

MW-0612-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 25.0 U	< 50.0 U
1,1-Dichloroethene	0.65 J	0.43 J	< 25.0 U	< 50.0 U
Acetone	< 100 UB	< 100 UB	< 500 U	< 1000 U
Benzene	< 5.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 25.0 U	< 50.0 U
cis-1,2-Dichloroethene	**292**	**268 D**	**193**	**249**
Cyclohexane	0.32 J	< 100 U	< 500 U	< 1000 U
Methylene chloride	< 5.0 U	< 5.0 U	< 25.0 U	< 112 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 25.0 U	< 50.0 U
Toluene	< 5.0 U	< 5.0 U	< 25.0 U	< 50.0 U
trans-1,2-Dichloroethene	49.6	62.5	47.2	< 50.0 U
Trichloroethene	**3870 D**	**4420 D**	**2380 D**	**4630 D**
Vinyl chloride	**11.8**	**7.6**	< 100 U	< 20.0 U

MW-0505-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	PDB	PDB
1,1,1-Trichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	< 100 U	< 100 UB	< 100 U	< 100 U
Benzene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chloroform (Trichloromethane)	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	8.3	8.3	6.8	5.1
Cyclohexane	< 100 U	< 100 U	< 100 U	< 100 U
Methylene chloride	< 5.0 U	< 5.0 U	< 5.0 U	< 7.7 UB
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	0.75 J	0.33 J	< 5.0 U	**7.6**
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0517-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	ug/L	ug/L	ug/L	ug/L
	PDB	PDB	Low-Flow	PDB
1,1,1-Trichloroethane	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
1,1-Dichloroethane	< 25.0 U [2.0 J]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
1,1-Dichloroethene	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
Acetone	< 500 U [< 500 U]	< 100 UB [< 100 UB]	< 500 U [< 500 U]	< 100 U [< 100 U]
Benzene	< 25.0 U [< 25.0 UB]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
Chloroform (Trichloromethane)	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
cis-1,2-Dichloroethene	**478 [512]**	**78.0 [80.7]**	**600 [601]**	**145 [145]**
Cyclohexane	< 500 U [< 500 U]	< 100 U [< 100 U]	< 500 U [< 500 U]	< 100 U [< 100 U]
Methylene chloride	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
Tetrachloroethene	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
Toluene	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]	< 25.0 U [< 25.0 U]	< 5.0 U [< 5.0 U]
trans-1,2-Dichloroethene	67.7 [70.9]	44.8 [44.5]	72.0 [74.3]	42.0 [40.6]
Trichloroethene	**2550 D [2940 D]**	**340 D [312 D]**	**3570 D [3720 D]**	**760 D [809 D]**
Vinyl



LEGEND

- MW-0603-S1 — MONITORING WELL SCREENED IN S1 UNIT
- AREA OF INTEREST (AOI)
- PROPERTY BOUNDARY
- FORMER BUILDING
- (675) — TRICHLOROETHYLENE (TCE) CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 5 — ISOCONCENTRATION CONTOUR IN µg/L
- * — MW-0502-S1, MW-0505-S1 AND MW-0509-S1 WERE NOT USED FOR ISOCONCENTRATION CONTOUR GENERATION

NOTES

1. U – THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE ASSOCIATED VALUE IS THE COMPOUND QUANTITATION LIMIT.
2. D – CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS.

0 100' 200'
GRAPHIC SCALE

RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
SEMI-ANNUAL DATA REPORT - SECOND HALF 2016

TCE GROUNDWATER CONCENTRATION CONTOURS - S1 UNIT (SEPTEMBER 27, 2016)

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

CITY:Syracuse DIV/GROUP:Env-141 DB:A.Schilling LD:A.Schilling PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\00088\4Q2016\00007\DWG\SAQR00884Q12.dwg LAYOUT:4 SAVED: 1/9/2017 11:01 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/9/2017 11:02 AM BY: SCHILLING, ADAM
XREFS: 00743X01 00884XLD
IMAGES:
PROJECTNAME: ----

MW-0704-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	Low-Flow	PDB
1,1-Dichloroethene	2.8 J	1.1 J	< 25.0 U	< 50.0 U
cis-1,2-Dichloroethene	740	620 D	660	668
Tetrachloroethene	< 25.0 U	< 5.0 U	< 25.0 U	< 50.0 U
trans-1,2-Dichloroethene	101	94.9	89.5	88.9
Trichloroethene	**2640 D**	**1880 D**	1370 D	**2480**
Vinyl chloride	3.7 J	4.8	< 10.0 U	< 20.0 U

MW-0606-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	Low-Flow	PDB
1,1-Dichloroethene	< 50.0 U	0.42 J	< 5.0 U	< 50.0 U
cis-1,2-Dichloroethene	428	285	329 D	633
Tetrachloroethene	< 50.0 U	< 5.0 U	< 5.0 U	< 50.0 U
trans-1,2-Dichloroethene	94.6	45.6	62.6	58.0
Trichloroethene	**3030 D**	1260 D	**1960 D**	1130
Vinyl chloride	< 20.0 U	0.43 J	< 2.0 U	< 20.0 U

MW-0618-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	0.91 J	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	0.29 J	0.74 J	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	0.28 J	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0705-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	47.9	59.5	46.5	46.7
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	12.1	18.5	11.6	13.0
Trichloroethene	148	176	135	149
Vinyl chloride	3.6	3.2	3.4	3.2

MW-0613-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0516-S1	3/31/2015	9/30/2015	3/30/2016		9/27/2016
	µg/L	µg/L	µg/L		µg/L
	PDB	PDB	PDB		PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	0.26 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0612-S1	3/31/2015	9/30/2015	3/9/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	Low-Flow	PDB
1,1-Dichloroethene	0.65 J	0.43 J	< 25.0 U	< 50.0 U
cis-1,2-Dichloroethene	292	268 D	193	249
Tetrachloroethene	< 5.0 U	< 5.0 U	< 25.0 U	< 50.0 U
trans-1,2-Dichloroethene	49.6	62.5	47.2	< 50.0 U
Trichloroethene	**3870 D**	**4420 D**	**2380 D**	**4630 D**
Vinyl chloride	11.6	7.6	< 10.0 U	< 20.0 U

MW-0608-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	0.33 J	0.54 J	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	144	243 D	97.8	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	13.1	35.3	9.3	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	4.0	5.8	2.6	< 2.0 U

MW-0607-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0617-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	0.29 J	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0609-S1	9/25/2014	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	26.6	347 D	18.6	496
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	2.7 J	53.1	< 5.0 U	49.7
Trichloroethene	< 5.0 U	248	7.9	17.1
Vinyl chloride	6.2	3.2	< 2.0 U	18.1

MW-0603-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	0.27 J	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0610-S1	3/31/2015	9/30/2015	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	2.1 J	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

MW-0602-S1	5/13/2014	9/25/2014	3/30/2016	9/27/2016
	µg/L	µg/L	µg/L	µg/L
	PDB	PDB	PDB	PDB
1,1-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,2-Dichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl chloride	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U

Site-Specific Groundwater Commercial Vapor Intrusion Screening Criteria

Constituent of Concern	Residential	Industrial
1,1 - Dichloroethene	55,120	**77,160**
cis-1,2-Dichloroethene	41,260	**57,760**
Tetrachloroethene	44,270	**61,980**
Trans-1,2-Dichloroethene	23,430	**32,800**
Trichloroethene	1,540	**2,150**
Vinyl Chloride	540	**1,810**

NOTES:

1. RESULTS ARE REPORTED IN MICROGRAMS PER LITER (µg/L).
2. THE DATA ARE SCREENED AGAINST SITE–SPECIFIC GROUNDWATER VAPOR INTRUSION SCREENING CRITERIA FOR RESIDENTIAL AND COMMERCIAL/INDUSTRIAL USES.
3. RESULTS EXCEEDING THE RESIDENTIAL STANDARDS ARE BOLDFACED. RESULTS EXCEEDING THE COMMERCIAL/INDUSTRIAL STANDARDS ARE BOLD AND SHADED GRAY.
4. U – THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE ASSOCIATED VALUE IS THE COMPOUND QUANTITATION LIMIT
5. D – CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS
6. J – THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
7. PDB – PASSIVE DIFFUSION BAG

0 100' 200'
GRAPHIC SCALE

LEGEND

- MW-0501-P1 — MONITORING WELL SCREENED IN DISCONTINUOUS UNIT – P1 DENOTES SCREENED INTERVAL IS IN A PERCHED ZONE ABOVE UNIT S1. I2 DENOTES SCREENED INTERVAL IS A SAND UNIT BETWEEN UNITS S1 AND S2
- MW-0603-S1 — MONITORING WELL S2 SCREENED IN UNIT S1
- MW-0603-S2 — MONITORING WELL SCREENED IN UNIT S2
- MW-0603-B1 — ABANDONED MONITORING WELL SCREENED IN UNIT B1. UNIT B1 REFERS TO THE UPPERMOST TRANSMISSIVE ZONE WITHIN THE LIMESTONE BEDROCK UNIT.
- MW-0615-B1a — ABANDONED MONITORING WELL (B1A LOCATIONS ARE OPEN BEDROCK BOREHOLES TO A DEPTH OF APPROXIMATELY 150 FT BG CURRENTLY SEALED WITH FLUTE LINERS)
- AREA OF INTEREST (AOI)
- PROPERTY BOUNDARY

RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
SEMI-ANNUAL DATA REPORT - SECOND HALF 2016

OFF-SITE GROUNDWATER VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SCREENED WITH GROUNDWATER VAPOR INTRUSION CRITERIA

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5

CITY: SYRACUSE DV/GROUP: 141 DB: G.STOWELL PM: D.LAY LYR:ON=*;OFF=*REF
G:\ENVCAD\SYRACUSE\ACTIVE\00088420161\0000\DWG\SADR\00088420C04.dwg LAYOUT: 5 SAVED: 1/9/2017 10:50 AM BY: SCHILLING, ADAM
PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/9/2017 10:50 AM BY: SCHILLING, ADAM
XREFS: IMAGES: PROJECTNAME: ----
0088IXLD
0074IX01

APPENDIX A

Soil Analytical Report, Groundwater Analytical Reports, and Data Validation Report (Provided on CD)

Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 50155366

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October 11, 2016

Ms. Sarah Fisher
Arcadis
132 E. Washington
Suite 600
Indianapolis, IN 46204

RE: Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Dear Ms. Fisher:
Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kelly M Jones

Kelly Jones
kelly.jones@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #:E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50155366001	TB-1(092716)RW	Water	09/27/16 08:00	09/28/16 13:14
50155366002	MW-0607-S1(092716)PDB	Water	09/27/16 08:00	09/28/16 13:14
50155366003	MW-0613-S1(092716)PDB	Water	09/27/16 08:10	09/28/16 13:14
50155366004	EB-2(092716)RW	Water	09/27/16 08:15	09/28/16 13:14
50155366005	MW-0609-S1(092716)PDB	Water	09/27/16 08:30	09/28/16 13:14
50155366006	MW-0610-S1(092716)PDB	Water	09/27/16 08:35	09/28/16 13:14
50155366007	MW-0602-S1(092716)PDB	Water	09/27/16 08:45	09/28/16 13:14
50155366008	MW-0705-S1(092716)PDB	Water	09/27/16 08:55	09/28/16 13:14
50155366009	MW-0612-S1(092716)PDB	Water	09/27/16 09:00	09/28/16 13:14
50155366010	MW-0606-S1(092716)PDB	Water	09/27/16 09:10	09/28/16 13:14
50155366011	MW-0704-S1(092716)PDB	Water	09/27/16 09:15	09/28/16 13:14
50155366012	MW-0618-S1(092716)PDB	Water	09/27/16 09:20	09/28/16 13:14
50155366013	MW-0608-S1(092716)PDB	Water	09/27/16 09:30	09/28/16 13:14
50155366014	MW-0501-S1(092716)PDB	Water	09/27/16 09:45	09/28/16 13:14
50155366015	MW-0509-S1(092716)PDB	Water	09/27/16 09:55	09/28/16 13:14
50155366016	MW-0102-S1U(092716)PDB	Water	09/27/16 10:05	09/28/16 13:14
50155366017	MW-0619-S1(092716)PDB	Water	09/27/16 10:15	09/28/16 13:14
50155366018	MW-0103-S1U(092716)PDB	Water	09/27/16 10:20	09/28/16 13:14
50155366019	MW-0623-S1(092716)PDB	Water	09/27/16 10:30	09/28/16 13:14
50155366020	MW-0622-S1(092716)PDB	Water	09/27/16 10:40	09/28/16 13:14
50155366021	MW-0620-S1(092716)PDB	Water	09/27/16 10:50	09/28/16 13:14
50155366022	MW-0605-S1(092716)PDB	Water	09/27/16 11:00	09/28/16 13:14
50155366023	TB-2(092716)RW	Water	09/27/16 08:00	09/28/16 13:14
50155366024	FD-2(092716)RW	Water	09/27/16 08:00	09/28/16 13:14
50155366025	MW-0621-S1(092716)PDB	Water	09/27/16 11:15	09/28/16 13:14
50155366026	MW-0505-S1(092716)PDB	Water	09/27/16 11:20	09/28/16 13:14
50155366027	MW-0504-S1(092716)PDB	Water	09/27/16 11:30	09/28/16 13:14
50155366028	MW-0506-S1(092716)PDB	Water	09/27/16 11:35	09/28/16 13:14
50155366029	EB-1(092716)RW	Water	09/27/16 11:40	09/28/16 13:14
50155366030	MW-0617-S1(092716)PDB	Water	09/27/16 11:50	09/28/16 13:14
50155366031	MW-0507-S1(092716)PDB	Water	09/27/16 12:05	09/28/16 13:14
50155366032	MW-0503-S1(092716)PDB	Water	09/27/16 12:15	09/28/16 13:14
50155366033	MW-0517-S1(092716)PDB	Water	09/27/16 12:25	09/28/16 13:14
50155366034	MW-0604-S1(092716)PDB	Water	09/27/16 12:35	09/28/16 13:14
50155366035	MW-0101-S1U(092716)PDB	Water	09/27/16 12:45	09/28/16 13:14
50155366036	FD-1(092716)RW	Water	09/27/16 08:00	09/28/16 13:14
50155366037	MW-0502-S1(091716)PDB	Water	09/27/16 12:50	09/28/16 13:14

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50155366038	**MW-0516-S1(091716)PDB**	Water	09/27/16 13:00	09/28/16 13:14
50155366039	**MW-0603-S1(091716)PDB**	Water	09/27/16 13:10	09/28/16 13:14

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SAMPLE ANALYTE COUNT

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50155366001	TB-1(092716)RW	EPA 8260	JLZ	51
50155366002	MW-0607-S1(092716)PDB	EPA 8260	JLZ	51
50155366003	MW-0613-S1(092716)PDB	EPA 8260	JLZ	51
50155366004	EB-2(092716)RW	EPA 8260	JLZ	51
50155366005	MW-0609-S1(092716)PDB	EPA 8260	JLZ	51
50155366006	MW-0610-S1(092716)PDB	EPA 8260	JLZ	51
50155366007	MW-0602-S1(092716)PDB	EPA 8260	JLZ	51
50155366008	MW-0705-S1(092716)PDB	EPA 8260	JLZ	51
50155366009	MW-0612-S1(092716)PDB	EPA 8260	JLZ	51
50155366010	MW-0606-S1(092716)PDB	EPA 8260	JLZ	51
50155366011	MW-0704-S1(092716)PDB	EPA 8260	JLZ	51
50155366012	MW-0618-S1(092716)PDB	EPA 8260	JLZ	51
50155366013	MW-0608-S1(092716)PDB	EPA 8260	JLZ	51
50155366014	MW-0501-S1(092716)PDB	EPA 8260	JLZ	51
50155366015	MW-0509-S1(092716)PDB	EPA 8260	JLZ	51
50155366016	MW-0102-S1U(092716)PDB	EPA 8260	JLZ	51
50155366017	MW-0619-S1(092716)PDB	EPA 8260	JLZ	51
50155366018	MW-0103-S1U(092716)PDB	EPA 8260	JLZ	51
50155366019	MW-0623-S1(092716)PDB	EPA 8260	JLZ	51
50155366020	MW-0622-S1(092716)PDB	EPA 8260	JLZ	51
50155366021	MW-0620-S1(092716)PDB	EPA 8260	JLZ	51
50155366022	MW-0605-S1(092716)PDB	EPA 8260	JLZ	51
50155366023	TB-2(092716)RW	EPA 8260	JLZ	51
50155366024	FD-2(092716)RW	EPA 8260	JLZ	51
50155366025	MW-0621-S1(092716)PDB	EPA 8260	JLZ	51
50155366026	MW-0505-S1(092716)PDB	EPA 8260	JLZ	51
50155366027	MW-0504-S1(092716)PDB	EPA 8260	JLZ	51
50155366028	MW-0506-S1(092716)PDB	EPA 8260	JLZ	51
50155366029	EB-1(092716)RW	EPA 8260	JLZ	51
50155366030	MW-0617-S1(092716)PDB	EPA 8260	JLZ	51
50155366031	MW-0507-S1(092716)PDB	EPA 8260	JLZ	51
50155366032	MW-0503-S1(092716)PDB	EPA 8260	JLZ	51
50155366033	MW-0517-S1(092716)PDB	EPA 8260	JLZ	51
50155366034	MW-0604-S1(092716)PDB	EPA 8260	JLZ	51
50155366035	MW-0101-S1U(092716)PDB	EPA 8260	JLZ	51
50155366036	FD-1(092716)RW	EPA 8260	JLZ	51
50155366037	MW-0502-S1(091716)PDB	EPA 8260	JLZ	51

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50155366038	**MW-0516-S1(091716)PDB**	EPA 8260	JLZ	51
50155366039	**MW-0603-S1(091716)PDB**	EPA 8260	JLZ	51

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SUMMARY OF DETECTION

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50155366001	**TB-1(092716)RW**					
EPA 8260	Methylene Chloride	10.1	ug/L	5.0	10/06/16 14:20	C9
50155366002	**MW-0607-S1(092716)PDB**					
EPA 8260	Methylene Chloride	5.2	ug/L	5.0	10/06/16 14:52	C9
50155366003	**MW-0613-S1(092716)PDB**					
EPA 8260	Methylene Chloride	5.4	ug/L	5.0	10/06/16 15:24	C9
50155366004	**EB-2(092716)RW**					
EPA 8260	Methylene Chloride	7.0	ug/L	5.0	10/06/16 15:56	C9
50155366005	**MW-0609-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	496	ug/L	25.0	10/11/16 02:36	
EPA 8260	trans-1,2-Dichloroethene	49.7	ug/L	5.0	10/06/16 16:29	
EPA 8260	Methylene Chloride	7.9	ug/L	5.0	10/06/16 16:29	C9
EPA 8260	Trichloroethene	17.1	ug/L	5.0	10/06/16 16:29	
EPA 8260	Vinyl chloride	18.1	ug/L	2.0	10/06/16 16:29	
50155366006	**MW-0610-S1(092716)PDB**					
EPA 8260	Methylene Chloride	5.4	ug/L	5.0	10/06/16 17:00	C9
50155366007	**MW-0602-S1(092716)PDB**					
EPA 8260	Methylene Chloride	7.6	ug/L	5.0	10/06/16 17:33	C9
50155366008	**MW-0705-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	46.7	ug/L	5.0	10/06/16 18:05	
EPA 8260	trans-1,2-Dichloroethene	13.0	ug/L	5.0	10/06/16 18:05	
EPA 8260	Methylene Chloride	7.9	ug/L	5.0	10/06/16 18:05	C9
EPA 8260	Trichloroethene	149	ug/L	5.0	10/06/16 18:05	
EPA 8260	Vinyl chloride	3.2	ug/L	2.0	10/06/16 18:05	
50155366009	**MW-0612-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	249	ug/L	50.0	10/06/16 18:37	
EPA 8260	Methylene Chloride	112	ug/L	50.0	10/06/16 18:37	C9
EPA 8260	Trichloroethene	4630	ug/L	100	10/11/16 03:08	
50155366010	**MW-0606-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	633	ug/L	50.0	10/06/16 19:09	
EPA 8260	trans-1,2-Dichloroethene	58.0	ug/L	50.0	10/06/16 19:09	
EPA 8260	Methylene Chloride	113	ug/L	50.0	10/06/16 19:09	C9
EPA 8260	Trichloroethene	1130	ug/L	50.0	10/06/16 19:09	
50155366011	**MW-0704-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	668	ug/L	50.0	10/06/16 19:41	
EPA 8260	trans-1,2-Dichloroethene	88.9	ug/L	50.0	10/06/16 19:41	
EPA 8260	Methylene Chloride	107	ug/L	50.0	10/06/16 19:41	C9
EPA 8260	Trichloroethene	2480	ug/L	50.0	10/06/16 19:41	
50155366012	**MW-0618-S1(092716)PDB**					
EPA 8260	Methylene Chloride	6.1	ug/L	5.0	10/06/16 20:13	C9

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(317)228-3100

SUMMARY OF DETECTION

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50155366013	**MW-0608-S1(092716)PDB**					
EPA 8260	Methylene Chloride	7.3	ug/L	5.0	10/06/16 20:45	C9
50155366014	**MW-0501-S1(092716)PDB**					
EPA 8260	Acetone	180	ug/L	100	10/06/16 21:17	
EPA 8260	Methylene Chloride	6.8	ug/L	5.0	10/06/16 21:17	C9
50155366015	**MW-0509-S1(092716)PDB**					
EPA 8260	Methylene Chloride	6.1	ug/L	5.0	10/06/16 21:49	C9
50155366016	**MW-0102-S1U(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	1230	ug/L	50.0	10/06/16 22:21	
EPA 8260	trans-1,2-Dichloroethene	104	ug/L	50.0	10/06/16 22:21	
EPA 8260	Methylene Chloride	106	ug/L	50.0	10/06/16 22:21	C9
EPA 8260	Trichloroethene	5060	ug/L	100	10/11/16 03:40	
EPA 8260	Vinyl chloride	21.6	ug/L	20.0	10/06/16 22:21	
50155366017	**MW-0619-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	50.0	ug/L	5.0	10/11/16 01:00	
EPA 8260	Trichloroethene	202	ug/L	5.0	10/11/16 01:00	
50155366018	**MW-0103-S1U(092716)PDB**					
EPA 8260	Methylene Chloride	7.1	ug/L	5.0	10/07/16 03:41	B,C9
EPA 8260	Trichloroethene	9.3	ug/L	5.0	10/07/16 03:41	
50155366019	**MW-0623-S1(092716)PDB**					
EPA 8260	Methylene Chloride	6.9	ug/L	5.0	10/07/16 04:13	B,C9
50155366020	**MW-0622-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	1420	ug/L	50.0	10/07/16 04:45	
EPA 8260	Methylene Chloride	132	ug/L	50.0	10/07/16 04:45	B,C9
EPA 8260	Trichloroethene	12100	ug/L	500	10/11/16 06:20	
50155366021	**MW-0620-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	1150	ug/L	50.0	10/07/16 05:17	
EPA 8260	Methylene Chloride	133	ug/L	50.0	10/07/16 05:17	B,C9
EPA 8260	Trichloroethene	1680	ug/L	50.0	10/07/16 05:17	
50155366022	**MW-0605-S1(092716)PDB**					
EPA 8260	Methylene Chloride	116	ug/L	50.0	10/07/16 05:49	B,C9
EPA 8260	Trichloroethene	1100	ug/L	50.0	10/07/16 05:49	
50155366023	**TB-2(092716)RW**					
EPA 8260	Methylene Chloride	5.7	ug/L	5.0	10/07/16 06:21	B,C9
50155366024	**FD-2(092716)RW**					
EPA 8260	1,1-Dichloroethene	6.2	ug/L	5.0	10/07/16 06:53	
EPA 8260	cis-1,2-Dichloroethene	1470	ug/L	1000	10/11/16 06:52	
EPA 8260	trans-1,2-Dichloroethene	22.7	ug/L	5.0	10/07/16 06:53	
EPA 8260	Methylene Chloride	6.0	ug/L	5.0	10/07/16 06:53	B,C9
EPA 8260	Trichloroethene	11500	ug/L	1000	10/11/16 06:52	

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SUMMARY OF DETECTION

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50155366025	**MW-0621-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	174	ug/L	50.0	10/07/16 07:25	
EPA 8260	Methylene Chloride	111	ug/L	50.0	10/07/16 07:25	B,C9
EPA 8260	Trichloroethene	4000	ug/L	100	10/11/16 07:23	
50155366026	**MW-0505-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	5.1	ug/L	5.0	10/07/16 07:57	
EPA 8260	Methylene Chloride	7.7	ug/L	5.0	10/07/16 07:57	B,C9
EPA 8260	Trichloroethene	7.6	ug/L	5.0	10/07/16 07:57	C0
50155366027	**MW-0504-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	661	ug/L	50.0	10/07/16 08:29	
EPA 8260	trans-1,2-Dichloroethene	105	ug/L	50.0	10/07/16 08:29	
EPA 8260	Methylene Chloride	111	ug/L	50.0	10/07/16 08:29	B,C9
EPA 8260	Trichloroethene	2620	ug/L	50.0	10/07/16 08:29	
50155366028	**MW-0506-S1(092716)PDB**					
EPA 8260	Methylene Chloride	7.1	ug/L	5.0	10/07/16 03:25	C9
50155366030	**MW-0617-S1(092716)PDB**					
EPA 8260	Methylene Chloride	6.3	ug/L	5.0	10/07/16 04:29	C9
50155366031	**MW-0507-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	9.9	ug/L	5.0	10/07/16 05:01	
EPA 8260	Methylene Chloride	5.9	ug/L	5.0	10/07/16 05:01	C9
50155366032	**MW-0503-S1(092716)PDB**					
EPA 8260	Acetone	217	ug/L	100	10/07/16 05:33	
50155366033	**MW-0517-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	145	ug/L	5.0	10/07/16 07:09	
EPA 8260	trans-1,2-Dichloroethene	42.0	ug/L	5.0	10/07/16 07:09	
EPA 8260	Trichloroethene	760	ug/L	25.0	10/11/16 04:11	
50155366034	**MW-0604-S1(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	344	ug/L	25.0	10/11/16 04:43	
EPA 8260	trans-1,2-Dichloroethene	37.8	ug/L	5.0	10/07/16 07:41	
EPA 8260	Methylene Chloride	5.1	ug/L	5.0	10/07/16 07:41	C9
EPA 8260	Trichloroethene	1190	ug/L	25.0	10/11/16 04:43	
EPA 8260	Vinyl chloride	11.8	ug/L	2.0	10/07/16 07:41	
50155366035	**MW-0101-S1U(092716)PDB**					
EPA 8260	cis-1,2-Dichloroethene	2330	ug/L	50.0	10/07/16 08:13	
EPA 8260	trans-1,2-Dichloroethene	69.5	ug/L	50.0	10/07/16 08:13	
EPA 8260	Methylene Chloride	110	ug/L	50.0	10/07/16 08:13	C9
EPA 8260	Trichloroethene	18500	ug/L	500	10/11/16 05:15	
EPA 8260	Vinyl chloride	33.2	ug/L	20.0	10/07/16 08:13	
50155366036	**FD-1(092716)RW**					
EPA 8260	cis-1,2-Dichloroethene	145	ug/L	5.0	10/07/16 08:45	
EPA 8260	trans-1,2-Dichloroethene	40.6	ug/L	5.0	10/07/16 08:45	
EPA 8260	Trichloroethene	809	ug/L	25.0	10/11/16 05:48	

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SUMMARY OF DETECTION

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50155366037	**MW-0502-S1(091716)PDB**					
EPA 8260	Methylene Chloride	5.3	ug/L	5.0	10/07/16 09:17	C9

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-1(092716)RW **Lab ID: 50155366001** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 14:20	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 14:20	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 14:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 14:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 14:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 14:20	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 14:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 14:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 14:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 14:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 14:20	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 14:20	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 14:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 14:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 14:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 14:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 14:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 14:20	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 14:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 14:20	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 14:20	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 14:20	108-87-2	N2
Methylene Chloride	**10.1**	ug/L	5.0	1		10/06/16 14:20	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 14:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 14:20	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 14:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 14:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 14:20	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 14:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 14:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 14:20	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 14:20	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-1(092716)RW **Lab ID: 50155366001** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 14:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/06/16 14:20	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/06/16 14:20	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 14:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0607-S1(092716)PDB **Lab ID: 50155366002** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 14:52	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 14:52	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 14:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 14:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 14:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 14:52	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 14:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 14:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 14:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 14:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 14:52	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 14:52	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 14:52	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 14:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 14:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 14:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 14:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 14:52	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 14:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 14:52	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 14:52	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 14:52	108-87-2	N2
Methylene Chloride	**5.2**	ug/L	5.0	1		10/06/16 14:52	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 14:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 14:52	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 14:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 14:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 14:52	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 14:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 14:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 14:52	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 14:52	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0607-S1(092716)PDB **Lab ID: 50155366002** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 14:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/06/16 14:52	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 14:52	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 14:52	2037-26-5	

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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0613-S1(092716)PDB **Lab ID: 50155366003** Collected: 09/27/16 08:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 15:24	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 15:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 15:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 15:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 15:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 15:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 15:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 15:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 15:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 15:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 15:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 15:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 15:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 15:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 15:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 15:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 15:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 15:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 15:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 15:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 15:24	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 15:24	108-87-2	N2
Methylene Chloride	**5.4**	ug/L	5.0	1		10/06/16 15:24	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 15:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 15:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 15:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 15:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 15:24	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 15:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 15:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 15:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 15:24	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0613-S1(092716)PDB **Lab ID: 50155366003** Collected: 09/27/16 08:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 15:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/06/16 15:24	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 15:24	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/06/16 15:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-2(092716)RW **Lab ID: 50155366004** Collected: 09/27/16 08:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 15:56	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 15:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 15:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 15:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 15:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 15:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 15:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 15:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 15:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 15:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 15:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 15:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 15:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 15:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 15:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 15:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 15:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 15:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 15:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 15:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 15:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 15:56	108-87-2	N2
Methylene Chloride	**7.0**	ug/L	5.0	1		10/06/16 15:56	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 15:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 15:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 15:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 15:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 15:56	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 15:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 15:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 15:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 15:56	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-2(092716)RW **Lab ID: 50155366004** Collected: 09/27/16 08:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 15:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	1		10/06/16 15:56	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 15:56	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/06/16 15:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0609-S1(092716)PDB **Lab ID: 50155366005** Collected: 09/27/16 08:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 16:29	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 16:29	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 16:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 16:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 16:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 16:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 16:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 16:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 16:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 16:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 16:29	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 16:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 16:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 16:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 16:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 16:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 16:29	75-35-4	
cis-1,2-Dichloroethene	**496**	ug/L	25.0	5		10/11/16 02:36	156-59-2	
trans-1,2-Dichloroethene	**49.7**	ug/L	5.0	1		10/06/16 16:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 16:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 16:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 16:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 16:29	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 16:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 16:29	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 16:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 16:29	108-87-2	N2
Methylene Chloride	**7.9**	ug/L	5.0	1		10/06/16 16:29	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 16:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 16:29	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 16:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 16:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 16:29	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 16:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	79-00-5	
Trichloroethene	**17.1**	ug/L	5.0	1		10/06/16 16:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 16:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 16:29	76-13-1	
Vinyl chloride	**18.1**	ug/L	2.0	1		10/06/16 16:29	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0609-S1(092716)PDB **Lab ID: 50155366005** Collected: 09/27/16 08:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 16:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/06/16 16:29	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 16:29	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 16:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0610-S1(092716)PDB **Lab ID: 50155366006** Collected: 09/27/16 08:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 17:00	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 17:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 17:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 17:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 17:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 17:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 17:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 17:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 17:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 17:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 17:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 17:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 17:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 17:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 17:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 17:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 17:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 17:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 17:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 17:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 17:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 17:00	108-87-2	N2
Methylene Chloride	**5.4**	ug/L	5.0	1		10/06/16 17:00	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 17:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 17:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 17:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 17:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 17:00	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 17:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 17:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 17:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 17:00	75-01-4	

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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0610-S1(092716)PDB **Lab ID: 50155366006** Collected: 09/27/16 08:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 17:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/06/16 17:00	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-116	1		10/06/16 17:00	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/06/16 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0602-S1(092716)PDB **Lab ID: 50155366007** Collected: 09/27/16 08:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 17:33	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 17:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 17:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 17:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 17:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 17:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 17:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 17:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 17:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 17:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 17:33	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 17:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 17:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 17:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 17:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 17:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 17:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 17:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 17:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 17:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 17:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 17:33	108-87-2	N2
Methylene Chloride	**7.6**	ug/L	5.0	1		10/06/16 17:33	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 17:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 17:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 17:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 17:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 17:33	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 17:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 17:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 17:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 17:33	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0602-S1(092716)PDB **Lab ID: 50155366007** Collected: 09/27/16 08:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 17:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/06/16 17:33	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 17:33	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 17:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0705-S1(092716)PDB **Lab ID: 50155366008** Collected: 09/27/16 08:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 18:05	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 18:05	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 18:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 18:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 18:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 18:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 18:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 18:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 18:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 18:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 18:05	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 18:05	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 18:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 18:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 18:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 18:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 18:05	75-35-4	
cis-1,2-Dichloroethene	**46.7**	ug/L	5.0	1		10/06/16 18:05	156-59-2	
trans-1,2-Dichloroethene	**13.0**	ug/L	5.0	1		10/06/16 18:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 18:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 18:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 18:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 18:05	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 18:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 18:05	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 18:05	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 18:05	108-87-2	N2
Methylene Chloride	**7.9**	ug/L	5.0	1		10/06/16 18:05	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 18:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 18:05	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 18:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 18:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 18:05	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 18:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	79-00-5	
Trichloroethene	**149**	ug/L	5.0	1		10/06/16 18:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 18:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 18:05	76-13-1	
Vinyl chloride	**3.2**	ug/L	2.0	1		10/06/16 18:05	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0705-S1(092716)PDB **Lab ID: 50155366008** Collected: 09/27/16 08:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 18:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/06/16 18:05	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	79-116	1		10/06/16 18:05	460-00-4	
Toluene-d8 (S)	94	%.	86-110	1		10/06/16 18:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0612-S1(092716)PDB **Lab ID: 50155366009** Collected: 09/27/16 09:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/06/16 18:37	67-64-1	
Benzene	ND	ug/L	50.0	10		10/06/16 18:37	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 18:37	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/06/16 18:37	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/06/16 18:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 18:37	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/06/16 18:37	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 18:37	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/06/16 18:37	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/06/16 18:37	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/06/16 18:37	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/06/16 18:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 18:37	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 18:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 18:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 18:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 18:37	75-35-4	
cis-1,2-Dichloroethene	**249**	ug/L	50.0	10		10/06/16 18:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/06/16 18:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 18:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 18:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 18:37	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 18:37	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/06/16 18:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 18:37	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/06/16 18:37	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/06/16 18:37	108-87-2	N2
Methylene Chloride	**112**	ug/L	50.0	10		10/06/16 18:37	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 18:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 18:37	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/06/16 18:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 18:37	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 18:37	127-18-4	
Toluene	ND	ug/L	50.0	10		10/06/16 18:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	79-00-5	
Trichloroethene	**4630**	ug/L	100	20		10/11/16 03:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 18:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 18:37	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/06/16 18:37	75-01-4	

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7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0612-S1(092716)PDB **Lab ID: 50155366009** Collected: 09/27/16 09:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 18:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	10		10/06/16 18:37	1868-53-7	D4
4-Bromofluorobenzene (S)	105	%.	79-116	10		10/06/16 18:37	460-00-4	
Toluene-d8 (S)	95	%.	86-110	10		10/06/16 18:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0606-S1(092716)PDB **Lab ID: 50155366010** Collected: 09/27/16 09:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/06/16 19:09	67-64-1	
Benzene	ND	ug/L	50.0	10		10/06/16 19:09	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 19:09	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/06/16 19:09	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/06/16 19:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 19:09	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/06/16 19:09	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 19:09	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/06/16 19:09	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/06/16 19:09	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/06/16 19:09	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/06/16 19:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 19:09	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 19:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 19:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 19:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 19:09	75-35-4	
cis-1,2-Dichloroethene	**633**	ug/L	50.0	10		10/06/16 19:09	156-59-2	
trans-1,2-Dichloroethene	**58.0**	ug/L	50.0	10		10/06/16 19:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 19:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:09	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 19:09	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/06/16 19:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 19:09	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/06/16 19:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/06/16 19:09	108-87-2	N2
Methylene Chloride	**113**	ug/L	50.0	10		10/06/16 19:09	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 19:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 19:09	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/06/16 19:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 19:09	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 19:09	127-18-4	
Toluene	ND	ug/L	50.0	10		10/06/16 19:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	79-00-5	
Trichloroethene	**1130**	ug/L	50.0	10		10/06/16 19:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 19:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 19:09	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/06/16 19:09	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0606-S1(092716)PDB **Lab ID: 50155366010** Collected: 09/27/16 09:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 19:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	10		10/06/16 19:09	1868-53-7	D4
4-Bromofluorobenzene (S)	104	%.	79-116	10		10/06/16 19:09	460-00-4	
Toluene-d8 (S)	95	%.	86-110	10		10/06/16 19:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0704-S1(092716)PDB **Lab ID: 50155366011** Collected: 09/27/16 09:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/06/16 19:41	67-64-1	
Benzene	ND	ug/L	50.0	10		10/06/16 19:41	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 19:41	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/06/16 19:41	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/06/16 19:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 19:41	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/06/16 19:41	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 19:41	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/06/16 19:41	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/06/16 19:41	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/06/16 19:41	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/06/16 19:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 19:41	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 19:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 19:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 19:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 19:41	75-35-4	
cis-1,2-Dichloroethene	**668**	ug/L	50.0	10		10/06/16 19:41	156-59-2	
trans-1,2-Dichloroethene	**88.9**	ug/L	50.0	10		10/06/16 19:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 19:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:41	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 19:41	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/06/16 19:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 19:41	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/06/16 19:41	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/06/16 19:41	108-87-2	N2
Methylene Chloride	**107**	ug/L	50.0	10		10/06/16 19:41	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 19:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 19:41	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/06/16 19:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 19:41	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 19:41	127-18-4	
Toluene	ND	ug/L	50.0	10		10/06/16 19:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	79-00-5	
Trichloroethene	**2480**	ug/L	50.0	10		10/06/16 19:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 19:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 19:41	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/06/16 19:41	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0704-S1(092716)PDB **Lab ID: 50155366011** Collected: 09/27/16 09:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 19:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	10		10/06/16 19:41	1868-53-7	D4
4-Bromofluorobenzene (S)	102	%.	79-116	10		10/06/16 19:41	460-00-4	
Toluene-d8 (S)	93	%.	86-110	10		10/06/16 19:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0618-S1(092716)PDB **Lab ID: 50155366012** Collected: 09/27/16 09:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 20:13	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 20:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 20:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 20:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 20:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 20:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 20:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 20:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 20:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 20:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 20:13	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 20:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 20:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 20:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 20:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 20:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 20:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 20:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 20:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 20:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 20:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 20:13	108-87-2	N2
Methylene Chloride	**6.1**	ug/L	5.0	1		10/06/16 20:13	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 20:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 20:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 20:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 20:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 20:13	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 20:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 20:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 20:13	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 20:13	75-01-4	

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4860 Blazer Parkway
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(614)486-5421

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0618-S1(092716)PDB **Lab ID: 50155366012** Collected: 09/27/16 09:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 20:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	1		10/06/16 20:13	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	79-116	1		10/06/16 20:13	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/06/16 20:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0608-S1(092716)PDB **Lab ID: 50155366013** Collected: 09/27/16 09:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 20:45	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 20:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 20:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 20:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 20:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 20:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 20:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 20:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 20:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 20:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 20:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 20:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 20:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 20:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 20:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 20:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 20:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 20:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 20:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 20:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 20:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 20:45	108-87-2	N2
Methylene Chloride	**7.3**	ug/L	5.0	1		10/06/16 20:45	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 20:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 20:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 20:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 20:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 20:45	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 20:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 20:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 20:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 20:45	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0608-S1(092716)PDB **Lab ID: 50155366013** Collected: 09/27/16 09:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 20:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/06/16 20:45	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/06/16 20:45	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 20:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0501-S1(092716)PDB **Lab ID: 50155366014** Collected: 09/27/16 09:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**180**	ug/L	100	1		10/06/16 21:17	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 21:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 21:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 21:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 21:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 21:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 21:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 21:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 21:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 21:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 21:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 21:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 21:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 21:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 21:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 21:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 21:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 21:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 21:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 21:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 21:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 21:17	108-87-2	N2
Methylene Chloride	**6.8**	ug/L	5.0	1		10/06/16 21:17	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 21:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 21:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 21:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 21:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 21:17	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 21:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 21:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 21:17	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 21:17	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0501-S1(092716)PDB **Lab ID: 50155366014** Collected: 09/27/16 09:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 21:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/06/16 21:17	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		10/06/16 21:17	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/06/16 21:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0509-S1(092716)PDB **Lab ID: 50155366015** Collected: 09/27/16 09:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 21:49	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 21:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 21:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 21:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 21:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 21:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 21:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 21:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 21:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 21:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 21:49	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/06/16 21:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 21:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 21:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 21:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 21:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 21:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 21:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 21:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 21:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 21:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 21:49	108-87-2	N2
Methylene Chloride	**6.1**	ug/L	5.0	1		10/06/16 21:49	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 21:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 21:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 21:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 21:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 21:49	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 21:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 21:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 21:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 21:49	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0509-S1(092716)PDB **Lab ID: 50155366015** Collected: 09/27/16 09:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 21:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	1		10/06/16 21:49	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 21:49	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/06/16 21:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0102-S1U(092716)PDB **Lab ID: 50155366016** Collected: 09/27/16 10:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/06/16 22:21	67-64-1	
Benzene	ND	ug/L	50.0	10		10/06/16 22:21	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 22:21	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/06/16 22:21	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/06/16 22:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 22:21	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/06/16 22:21	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 22:21	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/06/16 22:21	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/06/16 22:21	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/06/16 22:21	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/06/16 22:21	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 22:21	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 22:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 22:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 22:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 22:21	75-35-4	
cis-1,2-Dichloroethene	**1230**	ug/L	50.0	10		10/06/16 22:21	156-59-2	
trans-1,2-Dichloroethene	**104**	ug/L	50.0	10		10/06/16 22:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 22:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 22:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 22:21	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 22:21	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/06/16 22:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 22:21	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/06/16 22:21	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/06/16 22:21	108-87-2	N2
Methylene Chloride	**106**	ug/L	50.0	10		10/06/16 22:21	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 22:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 22:21	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/06/16 22:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 22:21	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 22:21	127-18-4	
Toluene	ND	ug/L	50.0	10		10/06/16 22:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	79-00-5	
Trichloroethene	**5060**	ug/L	100	20		10/11/16 03:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 22:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 22:21	76-13-1	
Vinyl chloride	**21.6**	ug/L	20.0	10		10/06/16 22:21	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0102-S1U(092716)PDB **Lab ID: 50155366016** Collected: 09/27/16 10:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 22:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	10		10/06/16 22:21	1868-53-7	D4
4-Bromofluorobenzene (S)	103	%.	79-116	10		10/06/16 22:21	460-00-4	
Toluene-d8 (S)	91	%.	86-110	10		10/06/16 22:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0619-S1(092716)PDB **Lab ID: 50155366017** Collected: 09/27/16 10:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/11/16 01:00	67-64-1	
Benzene	ND	ug/L	5.0	1		10/11/16 01:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/11/16 01:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/11/16 01:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/11/16 01:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/11/16 01:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/11/16 01:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/11/16 01:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/11/16 01:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/11/16 01:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/11/16 01:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/11/16 01:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/11/16 01:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/11/16 01:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/11/16 01:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/11/16 01:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/11/16 01:00	75-35-4	
cis-1,2-Dichloroethene	**50.0**	ug/L	5.0	1		10/11/16 01:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/11/16 01:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/11/16 01:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/11/16 01:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/11/16 01:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/11/16 01:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/11/16 01:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/11/16 01:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/11/16 01:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/11/16 01:00	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/11/16 01:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/11/16 01:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/11/16 01:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/11/16 01:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/11/16 01:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/11/16 01:00	127-18-4	
Toluene	ND	ug/L	5.0	1		10/11/16 01:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	79-00-5	
Trichloroethene	**202**	ug/L	5.0	1		10/11/16 01:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/11/16 01:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/11/16 01:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/11/16 01:00	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0619-S1(092716)PDB **Lab ID: 50155366017** Collected: 09/27/16 10:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/11/16 01:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/11/16 01:00	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-116	1		10/11/16 01:00	460-00-4	
Toluene-d8 (S)	94	%.	86-110	1		10/11/16 01:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0103-S1U(092716)PDB **Lab ID: 50155366018** Collected: 09/27/16 10:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 03:41	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 03:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 03:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 03:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 03:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 03:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 03:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 03:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 03:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 03:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 03:41	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 03:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 03:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 03:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 03:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 03:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 03:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 03:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 03:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 03:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 03:41	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 03:41	108-87-2	N2
Methylene Chloride	**7.1**	ug/L	5.0	1		10/07/16 03:41	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 03:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 03:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 03:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 03:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 03:41	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 03:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	79-00-5	
Trichloroethene	**9.3**	ug/L	5.0	1		10/07/16 03:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 03:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 03:41	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 03:41	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0103-S1U(092716)PDB **Lab ID: 50155366018** Collected: 09/27/16 10:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 03:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 03:41	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 03:41	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 03:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0623-S1(092716)PDB **Lab ID: 50155366019** Collected: 09/27/16 10:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 04:13	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 04:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 04:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 04:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 04:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 04:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 04:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 04:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 04:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 04:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 04:13	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 04:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 04:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 04:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 04:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 04:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 04:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 04:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 04:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 04:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 04:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 04:13	108-87-2	N2
Methylene Chloride	**6.9**	ug/L	5.0	1		10/07/16 04:13	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 04:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 04:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 04:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 04:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 04:13	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 04:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 04:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 04:13	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 04:13	75-01-4	

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7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0623-S1(092716)PDB **Lab ID: 50155366019** Collected: 09/27/16 10:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 04:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/07/16 04:13	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	79-116	1		10/07/16 04:13	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 04:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0622-S1(092716)PDB **Lab ID: 50155366020** Collected: 09/27/16 10:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 04:45	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 04:45	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 04:45	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 04:45	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 04:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 04:45	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 04:45	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 04:45	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 04:45	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 04:45	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 04:45	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/07/16 04:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 04:45	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 04:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 04:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 04:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 04:45	75-35-4	
cis-1,2-Dichloroethene	**1420**	ug/L	50.0	10		10/07/16 04:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 04:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 04:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 04:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 04:45	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 04:45	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 04:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 04:45	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 04:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 04:45	108-87-2	N2
Methylene Chloride	**132**	ug/L	50.0	10		10/07/16 04:45	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 04:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 04:45	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 04:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 04:45	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 04:45	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 04:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	79-00-5	
Trichloroethene	**12100**	ug/L	500	100		10/11/16 06:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 04:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 04:45	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 04:45	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0622-S1(092716)PDB **Lab ID: 50155366020** Collected: 09/27/16 10:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 04:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	10		10/07/16 04:45	1868-53-7	D4
4-Bromofluorobenzene (S)	101	%.	79-116	10		10/07/16 04:45	460-00-4	
Toluene-d8 (S)	93	%.	86-110	10		10/07/16 04:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0620-S1(092716)PDB **Lab ID: 50155366021** Collected: 09/27/16 10:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 05:17	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 05:17	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 05:17	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 05:17	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 05:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 05:17	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 05:17	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 05:17	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 05:17	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 05:17	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 05:17	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/07/16 05:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 05:17	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 05:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 05:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 05:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:17	75-35-4	
cis-1,2-Dichloroethene	**1150**	ug/L	50.0	10		10/07/16 05:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 05:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:17	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 05:17	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 05:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 05:17	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 05:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 05:17	108-87-2	N2
Methylene Chloride	**133**	ug/L	50.0	10		10/07/16 05:17	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 05:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 05:17	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 05:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 05:17	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 05:17	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 05:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	79-00-5	
Trichloroethene	**1680**	ug/L	50.0	10		10/07/16 05:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 05:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 05:17	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 05:17	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0620-S1(092716)PDB **Lab ID: 50155366021** Collected: 09/27/16 10:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 05:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	10		10/07/16 05:17	1868-53-7	D4
4-Bromofluorobenzene (S)	104	%.	79-116	10		10/07/16 05:17	460-00-4	
Toluene-d8 (S)	96	%.	86-110	10		10/07/16 05:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0605-S1(092716)PDB **Lab ID: 50155366022** Collected: 09/27/16 11:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 05:49	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 05:49	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 05:49	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 05:49	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 05:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 05:49	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 05:49	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 05:49	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 05:49	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 05:49	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 05:49	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/07/16 05:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 05:49	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 05:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 05:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 05:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 05:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:49	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 05:49	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 05:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 05:49	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 05:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 05:49	108-87-2	N2
Methylene Chloride	**116**	ug/L	50.0	10		10/07/16 05:49	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 05:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 05:49	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 05:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 05:49	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 05:49	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 05:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	79-00-5	
Trichloroethene	**1100**	ug/L	50.0	10		10/07/16 05:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 05:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 05:49	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 05:49	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0605-S1(092716)PDB **Lab ID: 50155366022** Collected: 09/27/16 11:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 05:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	10		10/07/16 05:49	1868-53-7	D4
4-Bromofluorobenzene (S)	102	%.	79-116	10		10/07/16 05:49	460-00-4	
Toluene-d8 (S)	94	%.	86-110	10		10/07/16 05:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-2(092716)RW **Lab ID: 50155366023** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 06:21	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 06:21	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 06:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 06:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 06:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 06:21	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 06:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 06:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 06:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 06:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 06:21	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 06:21	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 06:21	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 06:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 06:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 06:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 06:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 06:21	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 06:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 06:21	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 06:21	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 06:21	108-87-2	N2
Methylene Chloride	**5.7**	ug/L	5.0	1		10/07/16 06:21	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 06:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 06:21	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 06:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 06:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 06:21	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 06:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 06:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 06:21	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 06:21	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-2(092716)RW **Lab ID: 50155366023** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 06:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/07/16 06:21	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 06:21	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 06:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-2(092716)RW **Lab ID: 50155366024** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 06:53	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 06:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 06:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 06:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 06:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 06:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 06:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 06:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 06:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 06:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 06:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 06:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 06:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 06:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 06:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 06:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	107-06-2	
1,1-Dichloroethene	**6.2**	ug/L	5.0	1		10/07/16 06:53	75-35-4	
cis-1,2-Dichloroethene	**1470**	ug/L	1000	200		10/11/16 06:52	156-59-2	
trans-1,2-Dichloroethene	**22.7**	ug/L	5.0	1		10/07/16 06:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 06:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 06:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 06:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 06:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 06:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 06:53	108-87-2	N2
Methylene Chloride	**6.0**	ug/L	5.0	1		10/07/16 06:53	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 06:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 06:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 06:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 06:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 06:53	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 06:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	79-00-5	
Trichloroethene	**11500**	ug/L	1000	200		10/11/16 06:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 06:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 06:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 06:53	75-01-4	

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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-2(092716)RW **Lab ID: 50155366024** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 06:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/07/16 06:53	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 06:53	460-00-4	
Toluene-d8 (S)	95	%.	86-110	1		10/07/16 06:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0621-S1(092716)PDB **Lab ID: 50155366025** Collected: 09/27/16 11:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 07:25	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 07:25	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 07:25	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 07:25	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 07:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 07:25	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 07:25	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 07:25	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 07:25	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 07:25	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 07:25	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/07/16 07:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 07:25	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 07:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 07:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 07:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 07:25	75-35-4	
cis-1,2-Dichloroethene	**174**	ug/L	50.0	10		10/07/16 07:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 07:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 07:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 07:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 07:25	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 07:25	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 07:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 07:25	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 07:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 07:25	108-87-2	N2
Methylene Chloride	**111**	ug/L	50.0	10		10/07/16 07:25	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 07:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 07:25	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 07:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 07:25	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 07:25	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 07:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	79-00-5	
Trichloroethene	**4000**	ug/L	100	20		10/11/16 07:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 07:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 07:25	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 07:25	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0621-S1(092716)PDB **Lab ID: 50155366025** Collected: 09/27/16 11:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 07:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	10		10/07/16 07:25	1868-53-7	D4
4-Bromofluorobenzene (S)	102	%.	79-116	10		10/07/16 07:25	460-00-4	
Toluene-d8 (S)	94	%.	86-110	10		10/07/16 07:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0505-S1(092716)PDB **Lab ID: 50155366026** Collected: 09/27/16 11:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 07:57	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 07:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 07:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 07:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 07:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 07:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 07:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 07:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 07:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 07:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 07:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 07:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 07:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 07:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 07:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 07:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:57	75-35-4	
cis-1,2-Dichloroethene	**5.1**	ug/L	5.0	1		10/07/16 07:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 07:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 07:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 07:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 07:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 07:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 07:57	108-87-2	N2
Methylene Chloride	**7.7**	ug/L	5.0	1		10/07/16 07:57	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 07:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 07:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 07:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 07:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 07:57	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 07:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	79-00-5	
Trichloroethene	**7.6**	ug/L	5.0	1		10/07/16 07:57	79-01-6	C0
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 07:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 07:57	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 07:57	75-01-4	

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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0505-S1(092716)PDB **Lab ID: 50155366026** Collected: 09/27/16 11:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 07:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 07:57	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 07:57	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 07:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0504-S1(092716)PDB **Lab ID: 50155366027** Collected: 09/27/16 11:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 08:29	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 08:29	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 08:29	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 08:29	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 08:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 08:29	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 08:29	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 08:29	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 08:29	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 08:29	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 08:29	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/07/16 08:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 08:29	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 08:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 08:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 08:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 08:29	75-35-4	
cis-1,2-Dichloroethene	**661**	ug/L	50.0	10		10/07/16 08:29	156-59-2	
trans-1,2-Dichloroethene	**105**	ug/L	50.0	10		10/07/16 08:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 08:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:29	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 08:29	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 08:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 08:29	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 08:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 08:29	108-87-2	N2
Methylene Chloride	**111**	ug/L	50.0	10		10/07/16 08:29	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 08:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 08:29	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 08:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 08:29	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 08:29	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 08:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	79-00-5	
Trichloroethene	**2620**	ug/L	50.0	10		10/07/16 08:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 08:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 08:29	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 08:29	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0504-S1(092716)PDB **Lab ID: 50155366027** Collected: 09/27/16 11:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 08:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	84-118	10		10/07/16 08:29	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	10		10/07/16 08:29	460-00-4	
Toluene-d8 (S)	93	%.	86-110	10		10/07/16 08:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0506-S1(092716)PDB **Lab ID: 50155366028** Collected: 09/27/16 11:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 03:25	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 03:25	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 03:25	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 03:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 03:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 03:25	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 03:25	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 03:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 03:25	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 03:25	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 03:25	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 03:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 03:25	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 03:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 03:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 03:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 03:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:25	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 03:25	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 03:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 03:25	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 03:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 03:25	108-87-2	N2
Methylene Chloride	**7.1**	ug/L	5.0	1		10/07/16 03:25	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 03:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 03:25	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 03:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 03:25	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 03:25	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 03:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 03:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 03:25	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 03:25	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0506-S1(092716)PDB **Lab ID: 50155366028** Collected: 09/27/16 11:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 03:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/07/16 03:25	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 03:25	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 03:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-1(092716)RW **Lab ID: 50155366029** Collected: 09/27/16 11:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 03:57	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 03:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 03:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 03:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 03:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 03:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 03:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 03:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 03:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 03:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 03:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 03:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 03:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 03:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 03:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 03:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 03:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 03:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 03:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 03:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 03:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 03:57	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 03:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 03:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 03:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 03:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 03:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 03:57	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 03:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 03:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 03:57	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 03:57	75-01-4	

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7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-1(092716)RW **Lab ID: 50155366029** Collected: 09/27/16 11:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 03:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 03:57	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 03:57	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 03:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0617-S1(092716)PDB **Lab ID: 50155366030** Collected: 09/27/16 11:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 04:29	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 04:29	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 04:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 04:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 04:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 04:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 04:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 04:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 04:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 04:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 04:29	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 04:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 04:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 04:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 04:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 04:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 04:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 04:29	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 04:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 04:29	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 04:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 04:29	108-87-2	N2
Methylene Chloride	**6.3**	ug/L	5.0	1		10/07/16 04:29	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 04:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 04:29	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 04:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 04:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 04:29	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 04:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 04:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 04:29	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 04:29	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0617-S1(092716)PDB **Lab ID: 50155366030** Collected: 09/27/16 11:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 04:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 04:29	1868-53-7	
4-Bromofluorobenzene (S)	105	%.	79-116	1		10/07/16 04:29	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 04:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0507-S1(092716)PDB **Lab ID: 50155366031** Collected: 09/27/16 12:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 05:01	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 05:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 05:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 05:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 05:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 05:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 05:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 05:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 05:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 05:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 05:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 05:01	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 05:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 05:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 05:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 05:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:01	75-35-4	
cis-1,2-Dichloroethene	**9.9**	ug/L	5.0	1		10/07/16 05:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 05:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 05:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 05:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 05:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 05:01	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 05:01	108-87-2	N2
Methylene Chloride	**5.9**	ug/L	5.0	1		10/07/16 05:01	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 05:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 05:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 05:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 05:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 05:01	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 05:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 05:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 05:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 05:01	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 05:01	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0507-S1(092716)PDB **Lab ID: 50155366031** Collected: 09/27/16 12:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 05:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 05:01	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 05:01	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 05:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0503-S1(092716)PDB **Lab ID: 50155366032** Collected: 09/27/16 12:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**217**	ug/L	100	1		10/07/16 05:33	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 05:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 05:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 05:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 05:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 05:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 05:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 05:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 05:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 05:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 05:33	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 05:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 05:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 05:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 05:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 05:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 05:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 05:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 05:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 05:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 05:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 05:33	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 05:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 05:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 05:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 05:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 05:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 05:33	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 05:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 05:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 05:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 05:33	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0503-S1(092716)PDB **Lab ID: 50155366032** Collected: 09/27/16 12:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 05:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/07/16 05:33	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 05:33	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 05:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0517-S1(092716)PDB **Lab ID: 50155366033** Collected: 09/27/16 12:25 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 07:09	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 07:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 07:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 07:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 07:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 07:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 07:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 07:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 07:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 07:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 07:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 07:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 07:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 07:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 07:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 07:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:09	75-35-4	
cis-1,2-Dichloroethene	**145**	ug/L	5.0	1		10/07/16 07:09	156-59-2	
trans-1,2-Dichloroethene	**42.0**	ug/L	5.0	1		10/07/16 07:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 07:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 07:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 07:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 07:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 07:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 07:09	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 07:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 07:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 07:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 07:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 07:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 07:09	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 07:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	79-00-5	
Trichloroethene	**760**	ug/L	25.0	5		10/11/16 04:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 07:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 07:09	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 07:09	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0517-S1(092716)PDB **Lab ID: 50155366033** Collected: 09/27/16 12:25 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 07:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 07:09	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-116	1		10/07/16 07:09	460-00-4	
Toluene-d8 (S)	90	%.	86-110	1		10/07/16 07:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0604-S1(092716)PDB **Lab ID: 50155366034** Collected: 09/27/16 12:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 07:41	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 07:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 07:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 07:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 07:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 07:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 07:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 07:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 07:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 07:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 07:41	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 07:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 07:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 07:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 07:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 07:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:41	75-35-4	
cis-1,2-Dichloroethene	**344**	ug/L	25.0	5		10/11/16 04:43	156-59-2	
trans-1,2-Dichloroethene	**37.8**	ug/L	5.0	1		10/07/16 07:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 07:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 07:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 07:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 07:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 07:41	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 07:41	108-87-2	N2
Methylene Chloride	**5.1**	ug/L	5.0	1		10/07/16 07:41	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 07:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 07:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 07:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 07:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 07:41	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 07:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	79-00-5	
Trichloroethene	**1190**	ug/L	25.0	5		10/11/16 04:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 07:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 07:41	76-13-1	
Vinyl chloride	**11.8**	ug/L	2.0	1		10/07/16 07:41	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0604-S1(092716)PDB **Lab ID: 50155366034** Collected: 09/27/16 12:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 07:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/07/16 07:41	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		10/07/16 07:41	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 07:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0101-S1U(092716)PDB **Lab ID: 50155366035** Collected: 09/27/16 12:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 08:13	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 08:13	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 08:13	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 08:13	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 08:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 08:13	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 08:13	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 08:13	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 08:13	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 08:13	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 08:13	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/07/16 08:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 08:13	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 08:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 08:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 08:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 08:13	75-35-4	
cis-1,2-Dichloroethene	**2330**	ug/L	50.0	10		10/07/16 08:13	156-59-2	
trans-1,2-Dichloroethene	**69.5**	ug/L	50.0	10		10/07/16 08:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 08:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:13	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 08:13	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 08:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 08:13	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 08:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 08:13	108-87-2	N2
Methylene Chloride	**110**	ug/L	50.0	10		10/07/16 08:13	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 08:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 08:13	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 08:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 08:13	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 08:13	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 08:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	79-00-5	
Trichloroethene	**18500**	ug/L	500	100		10/11/16 05:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 08:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 08:13	76-13-1	
Vinyl chloride	**33.2**	ug/L	20.0	10		10/07/16 08:13	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0101-S1U(092716)PDB **Lab ID: 50155366035** Collected: 09/27/16 12:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 08:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	10		10/07/16 08:13	1868-53-7	D4
4-Bromofluorobenzene (S)	104	%.	79-116	10		10/07/16 08:13	460-00-4	
Toluene-d8 (S)	92	%.	86-110	10		10/07/16 08:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-1(092716)RW **Lab ID: 50155366036** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 08:45	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 08:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 08:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 08:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 08:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 08:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 08:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 08:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 08:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 08:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 08:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 08:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 08:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 08:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 08:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 08:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 08:45	75-35-4	
cis-1,2-Dichloroethene	**145**	ug/L	5.0	1		10/07/16 08:45	156-59-2	
trans-1,2-Dichloroethene	**40.6**	ug/L	5.0	1		10/07/16 08:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 08:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 08:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 08:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 08:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 08:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 08:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 08:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 08:45	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 08:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 08:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 08:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 08:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 08:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 08:45	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 08:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	79-00-5	
Trichloroethene	**809**	ug/L	25.0	5		10/11/16 05:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 08:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 08:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 08:45	75-01-4	

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-1(092716)RW **Lab ID: 50155366036** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 08:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 08:45	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		10/07/16 08:45	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 08:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0502-S1(091716)PDB **Lab ID: 50155366037** Collected: 09/27/16 12:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 09:17	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 09:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 09:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 09:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 09:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 09:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 09:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 09:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 09:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 09:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 09:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 09:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 09:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 09:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 09:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 09:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 09:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 09:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 09:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 09:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 09:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 09:17	108-87-2	N2
Methylene Chloride	**5.3**	ug/L	5.0	1		10/07/16 09:17	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 09:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 09:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 09:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 09:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 09:17	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 09:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 09:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 09:17	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 09:17	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0502-S1(091716)PDB **Lab ID: 50155366037** Collected: 09/27/16 12:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 09:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/07/16 09:17	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-116	1		10/07/16 09:17	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/07/16 09:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0516-S1(091716)PDB **Lab ID: 50155366038** Collected: 09/27/16 13:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 09:49	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 09:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 09:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 09:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 09:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 09:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 09:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 09:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 09:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 09:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 09:49	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 09:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 09:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 09:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 09:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 09:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 09:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 09:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 09:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 09:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 09:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 09:49	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 09:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 09:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 09:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 09:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 09:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 09:49	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 09:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 09:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 09:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 09:49	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0516-S1(091716)PDB **Lab ID: 50155366038** Collected: 09/27/16 13:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 09:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 09:49	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 09:49	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 09:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0603-S1(091716)PDB **Lab ID: 50155366039** Collected: 09/27/16 13:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 09:01	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 09:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 09:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 09:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 09:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 09:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 09:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 09:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 09:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 09:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 09:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 09:01	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 09:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 09:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 09:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 09:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 09:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 09:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 09:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 09:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 09:01	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 09:01	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 09:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 09:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 09:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 09:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 09:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 09:01	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 09:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 09:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 09:01	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 09:01	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0603-S1(091716)PDB **Lab ID: 50155366039** Collected: 09/27/16 13:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 09:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/07/16 09:01	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 09:01	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/07/16 09:01	2037-26-5	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

QC Batch: 355096 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50155366001, 50155366002, 50155366003, 50155366004, 50155366005, 50155366006, 50155366007, 50155366008, 50155366009, 50155366010, 50155366011, 50155366012, 50155366013, 50155366014, 50155366015, 50155366016

METHOD BLANK: 1642749 Matrix: Water
Associated Lab Samples: 50155366001, 50155366002, 50155366003, 50155366004, 50155366005, 50155366006, 50155366007, 50155366008, 50155366009, 50155366010, 50155366011, 50155366012, 50155366013, 50155366014, 50155366015, 50155366016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/06/16 13:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	10/06/16 13:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	10/06/16 13:48	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	10/06/16 13:48	
1,1-Dichloroethane	ug/L	ND	5.0	10/06/16 13:48	
1,1-Dichloroethene	ug/L	ND	5.0	10/06/16 13:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/06/16 13:48	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	10/06/16 13:48	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	10/06/16 13:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/06/16 13:48	
1,2-Dichloroethane	ug/L	ND	5.0	10/06/16 13:48	
1,2-Dichloropropane	ug/L	ND	5.0	10/06/16 13:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	10/06/16 13:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	10/06/16 13:48	
2-Butanone (MEK)	ug/L	ND	25.0	10/06/16 13:48	
2-Hexanone	ug/L	ND	25.0	10/06/16 13:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	10/06/16 13:48	
Acetone	ug/L	ND	100	10/06/16 13:48	
Benzene	ug/L	ND	5.0	10/06/16 13:48	
Bromodichloromethane	ug/L	ND	5.0	10/06/16 13:48	
Bromoform	ug/L	ND	5.0	10/06/16 13:48	
Bromomethane	ug/L	ND	5.0	10/06/16 13:48	
Carbon disulfide	ug/L	ND	10.0	10/06/16 13:48	
Carbon tetrachloride	ug/L	ND	5.0	10/06/16 13:48	
Chlorobenzene	ug/L	ND	5.0	10/06/16 13:48	
Chloroethane	ug/L	ND	5.0	10/06/16 13:48	
Chloroform	ug/L	ND	5.0	10/06/16 13:48	
Chloromethane	ug/L	ND	5.0	10/06/16 13:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/06/16 13:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	10/06/16 13:48	
Cyclohexane	ug/L	ND	100	10/06/16 13:48	N2
Dibromochloromethane	ug/L	ND	5.0	10/06/16 13:48	
Dichlorodifluoromethane	ug/L	ND	5.0	10/06/16 13:48	
Ethylbenzene	ug/L	ND	5.0	10/06/16 13:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	10/06/16 13:48	
Methyl acetate	ug/L	ND	50.0	10/06/16 13:48	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	10/06/16 13:48	
Methylcyclohexane	ug/L	ND	50.0	10/06/16 13:48	N2

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

METHOD BLANK: 1642749 Matrix: Water

Associated Lab Samples: 50155366001, 50155366002, 50155366003, 50155366004, 50155366005, 50155366006, 50155366007, 50155366008, 50155366009, 50155366010, 50155366011, 50155366012, 50155366013, 50155366014, 50155366015, 50155366016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylene Chloride	ug/L	ND	5.0	10/06/16 13:48	
Styrene	ug/L	ND	5.0	10/06/16 13:48	
Tetrachloroethene	ug/L	ND	5.0	10/06/16 13:48	
Toluene	ug/L	ND	5.0	10/06/16 13:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/06/16 13:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	10/06/16 13:48	
Trichloroethene	ug/L	ND	5.0	10/06/16 13:48	
Trichlorofluoromethane	ug/L	ND	5.0	10/06/16 13:48	
Vinyl chloride	ug/L	ND	2.0	10/06/16 13:48	
Xylene (Total)	ug/L	ND	10.0	10/06/16 13:48	
4-Bromofluorobenzene (S)	%.	104	79-116	10/06/16 13:48	
Dibromofluoromethane (S)	%.	96	84-118	10/06/16 13:48	
Toluene-d8 (S)	%.	94	86-110	10/06/16 13:48	

LABORATORY CONTROL SAMPLE: 1642750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.8	88	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	51.5	103	72-124	
1,1,2-Trichloroethane	ug/L	50	46.8	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.1	88	80-111	
1,1-Dichloroethane	ug/L	50	45.8	92	70-120	
1,1-Dichloroethene	ug/L	50	46.6	93	69-127	
1,2,4-Trichlorobenzene	ug/L	50	55.0	110	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	50.6	101	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	48.1	96	76-125	
1,2-Dichlorobenzene	ug/L	50	48.8	98	77-122	
1,2-Dichloroethane	ug/L	50	40.0	80	70-123	
1,2-Dichloropropane	ug/L	50	51.8	104	77-124	
1,3-Dichlorobenzene	ug/L	50	48.9	98	76-124	
1,4-Dichlorobenzene	ug/L	50	46.5	93	75-117	
2-Butanone (MEK)	ug/L	250	303	121	60-135	
2-Hexanone	ug/L	250	297	119	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	244	98	66-134	
Acetone	ug/L	250	347	139	47-144	
Benzene	ug/L	50	46.2	92	76-122	
Bromodichloromethane	ug/L	50	47.6	95	71-124	
Bromoform	ug/L	50	46.6	93	60-125	
Bromomethane	ug/L	50	35.0	70	23-194	
Carbon disulfide	ug/L	50	45.2	90	63-130	
Carbon tetrachloride	ug/L	50	44.4	89	73-133	
Chlorobenzene	ug/L	50	46.8	94	76-118	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

LABORATORY CONTROL SAMPLE: 1642750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	50	37.9	76	50-147	
Chloroform	ug/L	50	42.8	86	70-119	
Chloromethane	ug/L	50	31.5	63	52-136	
cis-1,2-Dichloroethene	ug/L	50	46.5	93	74-120	
cis-1,3-Dichloropropene	ug/L	50	48.2	96	71-134	
Cyclohexane	ug/L	50	48.2J	96	86-122	N2
Dibromochloromethane	ug/L	50	45.7	91	73-127	
Dichlorodifluoromethane	ug/L	50	41.3	83	39-166	
Ethylbenzene	ug/L	50	50.8	102	75-123	
Isopropylbenzene (Cumene)	ug/L	50	50.7	101	84-134	
Methyl acetate	ug/L	50	65.5	131	68-192	N2
Methyl-tert-butyl ether	ug/L	50	45.5	91	65-131	
Methylcyclohexane	ug/L	50	53.2	106	89-122	N2
Methylene Chloride	ug/L	50	54.2	108	66-130	
Styrene	ug/L	50	52.2	104	78-128	
Tetrachloroethene	ug/L	50	46.2	92	69-119	
Toluene	ug/L	50	42.8	86	74-122	
trans-1,2-Dichloroethene	ug/L	50	47.4	95	72-122	
trans-1,3-Dichloropropene	ug/L	50	50.5	101	66-135	
Trichloroethene	ug/L	50	49.3	99	75-123	
Trichlorofluoromethane	ug/L	50	40.1	80	58-148	
Vinyl chloride	ug/L	50	41.4	83	61-147	
Xylene (Total)	ug/L	150	152	101	75-127	
4-Bromofluorobenzene (S)	%.			104	79-116	
Dibromofluoromethane (S)	%.			93	84-118	
Toluene-d8 (S)	%.			93	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642751 1642752

Parameter	Units	50155366014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	42.0	45.5	84	91	51-140	8	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.0	54.8	98	110	49-138	11	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	45.7	54.8	91	110	51-138	18	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	48.1	51.1	96	102	59-124	6	20	
1,1-Dichloroethane	ug/L	ND	50	50	46.3	50.4	93	101	48-137	8	20	
1,1-Dichloroethene	ug/L	ND	50	50	48.8	53.8	98	108	51-144	10	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	32.5	32.6	65	65	27-134	0	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	53.4	53.7	107	107	37-127	1	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.4	53.4	95	107	52-134	12	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	32.8	33.6	66	67	38-138	3	20	
1,2-Dichloroethane	ug/L	ND	50	50	41.9	45.2	84	90	44-144	8	20	
1,2-Dichloropropane	ug/L	ND	50	50	49.5	54.4	99	109	56-138	9	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	29.0	30.3	58	61	36-139	4	20	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642751 1642752

Parameter	Units	50155366014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	50	50	28.4	29.3	57	59	34-134	3	20	
2-Butanone (MEK)	ug/L	ND	250	250	285	309	114	124	44-142	8	20	
2-Hexanone	ug/L	ND	250	250	270	309	108	123	43-150	13	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	252	287	101	115	46-143	13	20	
Acetone	ug/L	180	250	250	400	428	88	99	33-150	7	20	
Benzene	ug/L	ND	50	50	43.7	48.1	87	96	51-140	10	20	
Bromodichloromethane	ug/L	ND	50	50	47.1	51.8	94	104	46-137	9	20	
Bromoform	ug/L	ND	50	50	43.6	48.9	87	98	36-127	12	20	
Bromomethane	ug/L	ND	50	50	38.1	43.9	76	88	10-188	14	20	
Carbon disulfide	ug/L	ND	50	50	44.5	49.5	89	99	35-148	11	20	
Carbon tetrachloride	ug/L	ND	50	50	41.2	44.8	82	90	45-151	8	20	
Chlorobenzene	ug/L	ND	50	50	35.0	38.6	70	77	45-138	10	20	
Chloroethane	ug/L	ND	50	50	41.9	47.3	84	95	33-164	12	20	
Chloroform	ug/L	ND	50	50	41.9	46.1	84	92	50-135	10	20	
Chloromethane	ug/L	ND	50	50	37.9	41.6	76	83	38-146	9	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	48.1	52.0	91	99	43-144	8	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	43.8	49.4	88	99	42-136	12	20	
Cyclohexane	ug/L	ND	50	50	45.6J	50.7J	91	101	67-139		20	N2
Dibromochloromethane	ug/L	ND	50	50	44.8	52.5	90	105	45-136	16	20	
Dichlorodifluoromethane	ug/L	ND	50	50	50.2	53.5	100	107	29-174	6	20	
Ethylbenzene	ug/L	ND	50	50	35.6	37.8	71	76	36-146	6	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	32.1	34.0	64	68	43-159	6	20	
Methyl acetate	ug/L	ND	50	50	60.1	67.8	120	136	33-183	12	20	N2
Methyl-tert-butyl ether	ug/L	ND	50	50	49.8	55.8	100	112	43-146	11	20	
Methylcyclohexane	ug/L	ND	50	50	47.4J	50.8	95	102	60-140		20	N2
Methylene Chloride	ug/L	6.8	50	50	56.7	62.2	100	111	48-140	9	20	
Styrene	ug/L	ND	50	50	37.0	40.1	74	80	31-148	8	20	
Tetrachloroethene	ug/L	ND	50	50	33.4	36.0	67	72	38-139	8	20	
Toluene	ug/L	ND	50	50	35.2	38.9	69	77	44-140	10	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	46.2	49.8	92	100	50-139	8	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	45.9	52.5	92	105	37-138	14	20	
Trichloroethene	ug/L	ND	50	50	41.0	44.5	82	89	44-146	8	20	
Trichlorofluoromethane	ug/L	ND	50	50	43.8	47.5	88	95	41-164	8	20	
Vinyl chloride	ug/L	ND	50	50	47.4	50.8	95	102	43-166	7	20	
Xylene (Total)	ug/L	ND	150	150	105	113	70	76	35-146	8	20	
4-Bromofluorobenzene (S)	%.						108	108	79-116			
Dibromofluoromethane (S)	%.						93	94	84-118			
Toluene-d8 (S)	%.						92	95	86-110			

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

QC Batch: 355099 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50155366028, 50155366029, 50155366030, 50155366031, 50155366032, 50155366033, 50155366034, 50155366035, 50155366036, 50155366037, 50155366038

METHOD BLANK: 1642764 Matrix: Water
Associated Lab Samples: 50155366028, 50155366029, 50155366030, 50155366031, 50155366032, 50155366033, 50155366034, 50155366035, 50155366036, 50155366037, 50155366038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/07/16 01:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	10/07/16 01:49	
1,1,2-Trichloroethane	ug/L	ND	5.0	10/07/16 01:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	10/07/16 01:49	
1,1-Dichloroethane	ug/L	ND	5.0	10/07/16 01:49	
1,1-Dichloroethene	ug/L	ND	5.0	10/07/16 01:49	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/07/16 01:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	10/07/16 01:49	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	10/07/16 01:49	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/07/16 01:49	
1,2-Dichloroethane	ug/L	ND	5.0	10/07/16 01:49	
1,2-Dichloropropane	ug/L	ND	5.0	10/07/16 01:49	
1,3-Dichlorobenzene	ug/L	ND	5.0	10/07/16 01:49	
1,4-Dichlorobenzene	ug/L	ND	5.0	10/07/16 01:49	
2-Butanone (MEK)	ug/L	ND	25.0	10/07/16 01:49	
2-Hexanone	ug/L	ND	25.0	10/07/16 01:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	10/07/16 01:49	
Acetone	ug/L	ND	100	10/07/16 01:49	
Benzene	ug/L	ND	5.0	10/07/16 01:49	
Bromodichloromethane	ug/L	ND	5.0	10/07/16 01:49	
Bromoform	ug/L	ND	5.0	10/07/16 01:49	
Bromomethane	ug/L	ND	5.0	10/07/16 01:49	
Carbon disulfide	ug/L	ND	10.0	10/07/16 01:49	
Carbon tetrachloride	ug/L	ND	5.0	10/07/16 01:49	
Chlorobenzene	ug/L	ND	5.0	10/07/16 01:49	
Chloroethane	ug/L	ND	5.0	10/07/16 01:49	
Chloroform	ug/L	ND	5.0	10/07/16 01:49	
Chloromethane	ug/L	ND	5.0	10/07/16 01:49	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/07/16 01:49	
cis-1,3-Dichloropropene	ug/L	ND	5.0	10/07/16 01:49	
Cyclohexane	ug/L	ND	100	10/07/16 01:49	N2
Dibromochloromethane	ug/L	ND	5.0	10/07/16 01:49	
Dichlorodifluoromethane	ug/L	ND	5.0	10/07/16 01:49	
Ethylbenzene	ug/L	ND	5.0	10/07/16 01:49	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	10/07/16 01:49	
Methyl acetate	ug/L	ND	50.0	10/07/16 01:49	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	10/07/16 01:49	
Methylcyclohexane	ug/L	ND	50.0	10/07/16 01:49	N2
Methylene Chloride	ug/L	ND	5.0	10/07/16 01:49	
Styrene	ug/L	ND	5.0	10/07/16 01:49	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

METHOD BLANK: 1642764 Matrix: Water

Associated Lab Samples: 50155366028, 50155366029, 50155366030, 50155366031, 50155366032, 50155366033, 50155366034, 50155366035, 50155366036, 50155366037, 50155366038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	10/07/16 01:49	
Toluene	ug/L	ND	5.0	10/07/16 01:49	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/07/16 01:49	
trans-1,3-Dichloropropene	ug/L	ND	5.0	10/07/16 01:49	
Trichloroethene	ug/L	ND	5.0	10/07/16 01:49	
Trichlorofluoromethane	ug/L	ND	5.0	10/07/16 01:49	
Vinyl chloride	ug/L	ND	2.0	10/07/16 01:49	
Xylene (Total)	ug/L	ND	10.0	10/07/16 01:49	
4-Bromofluorobenzene (S)	%.	104	79-116	10/07/16 01:49	
Dibromofluoromethane (S)	%.	94	84-118	10/07/16 01:49	
Toluene-d8 (S)	%.	94	86-110	10/07/16 01:49	

LABORATORY CONTROL SAMPLE: 1642765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.1	84	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	52.2	104	72-124	
1,1,2-Trichloroethane	ug/L	50	51.1	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	40.0	80	80-111	
1,1-Dichloroethane	ug/L	50	44.6	89	70-120	
1,1-Dichloroethene	ug/L	50	41.5	83	69-127	
1,2,4-Trichlorobenzene	ug/L	50	47.9	96	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	55.6	111	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	76-125	
1,2-Dichlorobenzene	ug/L	50	47.0	94	77-122	
1,2-Dichloroethane	ug/L	50	40.6	81	70-123	
1,2-Dichloropropane	ug/L	50	52.4	105	77-124	
1,3-Dichlorobenzene	ug/L	50	45.6	91	76-124	
1,4-Dichlorobenzene	ug/L	50	44.1	88	75-117	
2-Butanone (MEK)	ug/L	250	283	113	60-135	
2-Hexanone	ug/L	250	290	116	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	268	107	66-134	
Acetone	ug/L	250	220	88	47-144	
Benzene	ug/L	50	46.0	92	76-122	
Bromodichloromethane	ug/L	50	51.6	103	71-124	
Bromoform	ug/L	50	49.2	98	60-125	
Bromomethane	ug/L	50	39.5	79	23-194	
Carbon disulfide	ug/L	50	44.4	89	63-130	
Carbon tetrachloride	ug/L	50	45.2	90	73-133	
Chlorobenzene	ug/L	50	46.4	93	76-118	
Chloroethane	ug/L	50	38.9	78	50-147	
Chloroform	ug/L	50	43.9	88	70-119	
Chloromethane	ug/L	50	37.3	75	52-136	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

LABORATORY CONTROL SAMPLE: 1642765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	46.0	92	74-120	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	71-134	
Cyclohexane	ug/L	50	47.7J	95	86-122	N2
Dibromochloromethane	ug/L	50	51.7	103	73-127	
Dichlorodifluoromethane	ug/L	50	42.2	84	39-166	
Ethylbenzene	ug/L	50	49.4	99	75-123	
Isopropylbenzene (Cumene)	ug/L	50	51.0	102	84-134	
Methyl acetate	ug/L	50	64.8	130	68-192	N2
Methyl-tert-butyl ether	ug/L	50	47.0	94	65-131	
Methylcyclohexane	ug/L	50	51.5	103	89-122	N2
Methylene Chloride	ug/L	50	56.3	113	66-130	
Styrene	ug/L	50	53.7	107	78-128	
Tetrachloroethene	ug/L	50	43.5	87	69-119	
Toluene	ug/L	50	43.1	86	74-122	
trans-1,2-Dichloroethene	ug/L	50	46.8	94	72-122	
trans-1,3-Dichloropropene	ug/L	50	48.9	98	66-135	
Trichloroethene	ug/L	50	44.1	88	75-123	
Trichlorofluoromethane	ug/L	50	40.2	80	58-148	
Vinyl chloride	ug/L	50	41.6	83	61-147	
Xylene (Total)	ug/L	150	151	101	75-127	
4-Bromofluorobenzene (S)	%.			107	79-116	
Dibromofluoromethane (S)	%.			95	84-118	
Toluene-d8 (S)	%.			93	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642766 1642767

Parameter	Units	50155366032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	38.7	40.6	77	81	51-140	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.4	51.8	99	104	49-138	5	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	47.9	47.5	96	95	51-138	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	42.3	44.1	85	88	59-124	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	45.0	46.5	90	93	48-137	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	44.1	45.5	88	91	51-144	3	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	25.6	25.9	51	52	27-134	1	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	54.1	57.8	108	116	37-127	7	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.7	48.6	95	97	52-134	2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	27.3	27.7	55	55	38-138	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	43.1	43.4	86	87	44-144	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	48.3	49.7	97	99	56-138	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	23.0	23.5	46	47	36-139	2	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	22.1	22.7	44	45	34-134	3	20	
2-Butanone (MEK)	ug/L	ND	250	250	286	305	114	122	44-142	7	20	
2-Hexanone	ug/L	ND	250	250	289	303	116	121	43-150	5	20	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642766 1642767

Parameter	Units	50155366032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	268	278	107	111	46-143	4	20	
Acetone	ug/L	217	250	250	446	458	92	96	33-150	3	20	
Benzene	ug/L	ND	50	50	41.5	42.9	83	86	51-140	3	20	
Bromodichloromethane	ug/L	ND	50	50	46.7	48.8	93	98	46-137	4	20	
Bromoform	ug/L	ND	50	50	45.1	46.3	90	93	36-127	3	20	
Bromomethane	ug/L	ND	50	50	42.2	46.0	84	92	10-188	9	20	
Carbon disulfide	ug/L	ND	50	50	43.4	44.9	87	90	35-148	3	20	
Carbon tetrachloride	ug/L	ND	50	50	39.2	41.3	78	83	45-151	5	20	
Chlorobenzene	ug/L	ND	50	50	30.1	30.5	60	61	45-138	1	20	
Chloroethane	ug/L	ND	50	50	43.3	45.7	87	91	33-164	5	20	
Chloroform	ug/L	ND	50	50	42.6	43.1	85	86	50-135	1	20	
Chloromethane	ug/L	ND	50	50	44.4	46.6	89	93	38-146	5	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	42.8	45.6	86	91	43-144	6	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	39.9	41.0	80	82	42-136	3	20	
Cyclohexane	ug/L	ND	50	50	44.1J	45.3J	87	90	67-139		20	N2
Dibromochloromethane	ug/L	ND	50	50	44.1	45.0	88	90	45-136	2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	50.4	53.1	101	106	29-174	5	20	
Ethylbenzene	ug/L	ND	50	50	28.2	29.7	56	59	36-146	5	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	24.2	25.0	48	50	43-159	3	20	
Methyl acetate	ug/L	ND	50	50	53.4	50.6	107	101	33-183	5	20	N2
Methyl-tert-butyl ether	ug/L	ND	50	50	51.7	53.9	103	108	43-146	4	20	
Methylcyclohexane	ug/L	ND	50	50	42J	43.2J	84	86	60-140		20	N2
Methylene Chloride	ug/L	ND	50	50	58.6	58.9	108	109	48-140	0	20	
Styrene	ug/L	ND	50	50	30.2	31.9	60	64	31-148	6	20	
Tetrachloroethene	ug/L	ND	50	50	26.6	27.9	53	56	38-139	5	20	
Toluene	ug/L	ND	50	50	31.3	32.1	62	63	44-140	3	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	42.9	45.0	86	90	50-139	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	41.9	42.6	84	85	37-138	2	20	
Trichloroethene	ug/L	ND	50	50	34.4	36.2	69	72	44-146	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	42.6	46.1	85	92	41-164	8	20	
Vinyl chloride	ug/L	ND	50	50	48.1	50.2	96	100	43-166	4	20	
Xylene (Total)	ug/L	ND	150	150	82.4	85.0	55	57	35-146	3	20	
4-Bromofluorobenzene (S)	%.						106	106	79-116			
Dibromofluoromethane (S)	%.						97	96	84-118			
Toluene-d8 (S)	%.						92	92	86-110			

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

QC Batch: 355101 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50155366018, 50155366019, 50155366020, 50155366021, 50155366022, 50155366023, 50155366024, 50155366025, 50155366026, 50155366027, 50155366039

METHOD BLANK: 1642780 Matrix: Water
Associated Lab Samples: 50155366018, 50155366019, 50155366020, 50155366021, 50155366022, 50155366023, 50155366024, 50155366025, 50155366026, 50155366027, 50155366039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/07/16 02:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	10/07/16 02:05	
1,1,2-Trichloroethane	ug/L	ND	5.0	10/07/16 02:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	10/07/16 02:05	
1,1-Dichloroethane	ug/L	ND	5.0	10/07/16 02:05	
1,1-Dichloroethene	ug/L	ND	5.0	10/07/16 02:05	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/07/16 02:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	10/07/16 02:05	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	10/07/16 02:05	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/07/16 02:05	
1,2-Dichloroethane	ug/L	ND	5.0	10/07/16 02:05	
1,2-Dichloropropane	ug/L	ND	5.0	10/07/16 02:05	
1,3-Dichlorobenzene	ug/L	ND	5.0	10/07/16 02:05	
1,4-Dichlorobenzene	ug/L	ND	5.0	10/07/16 02:05	
2-Butanone (MEK)	ug/L	ND	25.0	10/07/16 02:05	
2-Hexanone	ug/L	ND	25.0	10/07/16 02:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	10/07/16 02:05	
Acetone	ug/L	ND	100	10/07/16 02:05	
Benzene	ug/L	ND	5.0	10/07/16 02:05	
Bromodichloromethane	ug/L	ND	5.0	10/07/16 02:05	
Bromoform	ug/L	ND	5.0	10/07/16 02:05	
Bromomethane	ug/L	ND	5.0	10/07/16 02:05	
Carbon disulfide	ug/L	ND	10.0	10/07/16 02:05	
Carbon tetrachloride	ug/L	ND	5.0	10/07/16 02:05	
Chlorobenzene	ug/L	ND	5.0	10/07/16 02:05	
Chloroethane	ug/L	ND	5.0	10/07/16 02:05	
Chloroform	ug/L	ND	5.0	10/07/16 02:05	
Chloromethane	ug/L	ND	5.0	10/07/16 02:05	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/07/16 02:05	
cis-1,3-Dichloropropene	ug/L	ND	5.0	10/07/16 02:05	
Cyclohexane	ug/L	ND	100	10/07/16 02:05	N2
Dibromochloromethane	ug/L	ND	5.0	10/07/16 02:05	
Dichlorodifluoromethane	ug/L	ND	5.0	10/07/16 02:05	
Ethylbenzene	ug/L	ND	5.0	10/07/16 02:05	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	10/07/16 02:05	
Methyl acetate	ug/L	ND	50.0	10/07/16 02:05	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	10/07/16 02:05	
Methylcyclohexane	ug/L	ND	50.0	10/07/16 02:05	N2
Methylene Chloride	ug/L	5.6	5.0	10/07/16 02:05	C9
Styrene	ug/L	ND	5.0	10/07/16 02:05	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

METHOD BLANK: 1642780 Matrix: Water

Associated Lab Samples: 50155366018, 50155366019, 50155366020, 50155366021, 50155366022, 50155366023, 50155366024, 50155366025, 50155366026, 50155366027, 50155366039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	10/07/16 02:05	
Toluene	ug/L	ND	5.0	10/07/16 02:05	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/07/16 02:05	
trans-1,3-Dichloropropene	ug/L	ND	5.0	10/07/16 02:05	
Trichloroethene	ug/L	ND	5.0	10/07/16 02:05	
Trichlorofluoromethane	ug/L	ND	5.0	10/07/16 02:05	
Vinyl chloride	ug/L	ND	2.0	10/07/16 02:05	
Xylene (Total)	ug/L	ND	10.0	10/07/16 02:05	
4-Bromofluorobenzene (S)	%.	102	79-116	10/07/16 02:05	
Dibromofluoromethane (S)	%.	95	84-118	10/07/16 02:05	
Toluene-d8 (S)	%.	92	86-110	10/07/16 02:05	

LABORATORY CONTROL SAMPLE: 1642781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.2	88	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	53.5	107	72-124	
1,1,2-Trichloroethane	ug/L	50	49.4	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	45.3	91	80-111	
1,1-Dichloroethane	ug/L	50	45.1	90	70-120	
1,1-Dichloroethene	ug/L	50	47.7	95	69-127	
1,2,4-Trichlorobenzene	ug/L	50	52.8	106	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	54.6	109	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	76-125	
1,2-Dichlorobenzene	ug/L	50	49.3	99	77-122	
1,2-Dichloroethane	ug/L	50	41.1	82	70-123	
1,2-Dichloropropane	ug/L	50	51.4	103	77-124	
1,3-Dichlorobenzene	ug/L	50	47.9	96	76-124	
1,4-Dichlorobenzene	ug/L	50	47.7	95	75-117	
2-Butanone (MEK)	ug/L	250	260	104	60-135	
2-Hexanone	ug/L	250	283	113	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	263	105	66-134	
Acetone	ug/L	250	228	91	47-144	
Benzene	ug/L	50	46.9	94	76-122	
Bromodichloromethane	ug/L	50	50.9	102	71-124	
Bromoform	ug/L	50	50.6	101	60-125	
Bromomethane	ug/L	50	39.0	78	23-194	
Carbon disulfide	ug/L	50	44.2	88	63-130	
Carbon tetrachloride	ug/L	50	43.9	88	73-133	
Chlorobenzene	ug/L	50	47.9	96	76-118	
Chloroethane	ug/L	50	37.4	75	50-147	
Chloroform	ug/L	50	43.7	87	70-119	
Chloromethane	ug/L	50	32.6	65	52-136	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

LABORATORY CONTROL SAMPLE: 1642781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	47.0	94	74-120	
cis-1,3-Dichloropropene	ug/L	50	48.1	96	71-134	
Cyclohexane	ug/L	50	47.8J	96	86-122	N2
Dibromochloromethane	ug/L	50	51.0	102	73-127	
Dichlorodifluoromethane	ug/L	50	40.3	81	39-166	
Ethylbenzene	ug/L	50	50.5	101	75-123	
Isopropylbenzene (Cumene)	ug/L	50	51.9	104	84-134	
Methyl acetate	ug/L	50	69.3	139	68-192	N2
Methyl-tert-butyl ether	ug/L	50	47.4	95	65-131	
Methylcyclohexane	ug/L	50	52.7	105	89-122	N2
Methylene Chloride	ug/L	50	55.6	111	66-130	
Styrene	ug/L	50	55.1	110	78-128	
Tetrachloroethene	ug/L	50	44.3	89	69-119	
Toluene	ug/L	50	43.2	86	74-122	
trans-1,2-Dichloroethene	ug/L	50	46.5	93	72-122	
trans-1,3-Dichloropropene	ug/L	50	51.4	103	66-135	
Trichloroethene	ug/L	50	48.0	96	75-123	
Trichlorofluoromethane	ug/L	50	39.8	80	58-148	
Vinyl chloride	ug/L	50	40.9	82	61-147	
Xylene (Total)	ug/L	150	155	103	75-127	
4-Bromofluorobenzene (S)	%.			105	79-116	
Dibromofluoromethane (S)	%.			92	84-118	
Toluene-d8 (S)	%.			93	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642782 1642783

Parameter	Units	50155366039 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	41.0	40.7	82	81	51-140	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50.4	52.9	101	106	49-138	5	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	49.2	49.9	98	100	51-138	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	47.3	46.4	95	93	59-124	2	20	
1,1-Dichloroethane	ug/L	ND	50	50	45.7	46.0	91	92	48-137	1	20	
1,1-Dichloroethene	ug/L	ND	50	50	48.7	47.5	97	95	51-144	3	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	21.0	21.3	42	43	27-134	1	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	53.6	53.5	107	107	37-127	0	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.7	47.5	95	95	52-134	0	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	23.8	24.4	48	49	38-138	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	43.8	42.2	88	84	44-144	4	20	
1,2-Dichloropropane	ug/L	ND	50	50	47.5	47.8	95	96	56-138	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	19.8	20.2	40	40	36-139	2	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	19.6	19.3	39	39	34-134	2	20	
2-Butanone (MEK)	ug/L	ND	250	250	294	303	118	121	44-142	3	20	
2-Hexanone	ug/L	ND	250	250	305	307	122	123	43-150	1	20	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1642782 1642783

Parameter	Units	50155366039 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	281	287	113	115	46-143	2	20	
Acetone	ug/L	ND	250	250	327	333	108	111	33-150	2	20	
Benzene	ug/L	ND	50	50	41.0	41.8	82	84	51-140	2	20	
Bromodichloromethane	ug/L	ND	50	50	46.2	47.4	92	95	46-137	3	20	
Bromoform	ug/L	ND	50	50	44.6	46.1	89	92	36-127	3	20	
Bromomethane	ug/L	ND	50	50	39.7	41.4	79	83	10-188	4	20	
Carbon disulfide	ug/L	ND	50	50	41.9	42.0	84	84	35-148	0	20	
Carbon tetrachloride	ug/L	ND	50	50	38.1	38.6	76	77	45-151	1	20	
Chlorobenzene	ug/L	ND	50	50	28.1	27.7	56	55	45-138	1	20	
Chloroethane	ug/L	ND	50	50	42.4	42.3	85	85	33-164	0	20	
Chloroform	ug/L	ND	50	50	41.2	42.1	82	84	50-135	2	20	
Chloromethane	ug/L	ND	50	50	38.7	38.9	77	78	38-146	1	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	44.4	44.3	89	89	43-144	0	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	40.8	40.5	82	81	42-136	1	20	
Cyclohexane	ug/L	ND	50	50	43.7J	42.6J	86	84	67-139		20	N2
Dibromochloromethane	ug/L	ND	50	50	44.5	44.8	89	90	45-136	1	20	
Dichlorodifluoromethane	ug/L	ND	50	50	49.2	51.0	98	102	29-174	4	20	
Ethylbenzene	ug/L	ND	50	50	26.0	25.0	52	50	36-146	4	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	20.7	20.6	41	41	43-159	1	20	M1
Methyl acetate	ug/L	ND	50	50	52.7	50.2	105	100	33-183	5	20	N2
Methyl-tert-butyl ether	ug/L	ND	50	50	53.8	54.9	108	110	43-146	2	20	
Methylcyclohexane	ug/L	ND	50	50	41.1J	41.4J	82	83	60-140		20	N2
Methylene Chloride	ug/L	ND	50	50	56.7	58.4	104	107	48-140	3	20	
Styrene	ug/L	ND	50	50	28.0	27.9	56	56	31-148	0	20	
Tetrachloroethene	ug/L	ND	50	50	24.9	24.3	50	49	38-139	3	20	
Toluene	ug/L	ND	50	50	29.7	29.3	59	58	44-140	1	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	42.8	42.7	86	85	50-139	0	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	43.4	44.0	87	88	37-138	1	20	
Trichloroethene	ug/L	ND	50	50	37.0	36.0	72	70	44-146	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	43.4	43.3	87	87	41-164	0	20	
Vinyl chloride	ug/L	ND	50	50	47.3	47.5	95	95	43-166	0	20	
Xylene (Total)	ug/L	ND	150	150	75.6	75.5	50	50	35-146	0	20	
4-Bromofluorobenzene (S)	%.						105	103	79-116			
Dibromofluoromethane (S)	%.						95	97	84-118			
Toluene-d8 (S)	%.						94	93	86-110			

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

QC Batch: 355623
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50155366017

METHOD BLANK: 1645429
Matrix: Water
Associated Lab Samples: 50155366017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	10/10/16 22:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	10/10/16 22:52	
1,1,2-Trichloroethane	ug/L	ND	5.0	10/10/16 22:52	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	10/10/16 22:52	
1,1-Dichloroethane	ug/L	ND	5.0	10/10/16 22:52	
1,1-Dichloroethene	ug/L	ND	5.0	10/10/16 22:52	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/10/16 22:52	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	10/10/16 22:52	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	10/10/16 22:52	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/10/16 22:52	
1,2-Dichloroethane	ug/L	ND	5.0	10/10/16 22:52	
1,2-Dichloropropane	ug/L	ND	5.0	10/10/16 22:52	
1,3-Dichlorobenzene	ug/L	ND	5.0	10/10/16 22:52	
1,4-Dichlorobenzene	ug/L	ND	5.0	10/10/16 22:52	
2-Butanone (MEK)	ug/L	ND	25.0	10/10/16 22:52	
2-Hexanone	ug/L	ND	25.0	10/10/16 22:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	10/10/16 22:52	
Acetone	ug/L	ND	100	10/10/16 22:52	
Benzene	ug/L	ND	5.0	10/10/16 22:52	
Bromodichloromethane	ug/L	ND	5.0	10/10/16 22:52	
Bromoform	ug/L	ND	5.0	10/10/16 22:52	
Bromomethane	ug/L	ND	5.0	10/10/16 22:52	
Carbon disulfide	ug/L	ND	10.0	10/10/16 22:52	
Carbon tetrachloride	ug/L	ND	5.0	10/10/16 22:52	
Chlorobenzene	ug/L	ND	5.0	10/10/16 22:52	
Chloroethane	ug/L	ND	5.0	10/10/16 22:52	
Chloroform	ug/L	ND	5.0	10/10/16 22:52	
Chloromethane	ug/L	ND	5.0	10/10/16 22:52	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/10/16 22:52	
cis-1,3-Dichloropropene	ug/L	ND	5.0	10/10/16 22:52	
Cyclohexane	ug/L	ND	100	10/10/16 22:52	N2
Dibromochloromethane	ug/L	ND	5.0	10/10/16 22:52	
Dichlorodifluoromethane	ug/L	ND	5.0	10/10/16 22:52	
Ethylbenzene	ug/L	ND	5.0	10/10/16 22:52	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	10/10/16 22:52	
Methyl acetate	ug/L	ND	50.0	10/10/16 22:52	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	10/10/16 22:52	
Methylcyclohexane	ug/L	ND	50.0	10/10/16 22:52	N2
Methylene Chloride	ug/L	ND	5.0	10/10/16 22:52	
Styrene	ug/L	ND	5.0	10/10/16 22:52	
Tetrachloroethene	ug/L	ND	5.0	10/10/16 22:52	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

METHOD BLANK: 1645429 Matrix: Water
Associated Lab Samples: 50155366017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	10/10/16 22:52	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/10/16 22:52	
trans-1,3-Dichloropropene	ug/L	ND	5.0	10/10/16 22:52	
Trichloroethene	ug/L	ND	5.0	10/10/16 22:52	
Trichlorofluoromethane	ug/L	ND	5.0	10/10/16 22:52	
Vinyl chloride	ug/L	ND	2.0	10/10/16 22:52	
Xylene (Total)	ug/L	ND	10.0	10/10/16 22:52	
4-Bromofluorobenzene (S)	%.	99	79-116	10/10/16 22:52	
Dibromofluoromethane (S)	%.	99	84-118	10/10/16 22:52	
Toluene-d8 (S)	%.	94	86-110	10/10/16 22:52	

LABORATORY CONTROL SAMPLE: 1645430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.2	88	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	55.0	110	72-124	
1,1,2-Trichloroethane	ug/L	50	50.8	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	41.3	83	80-111	
1,1-Dichloroethane	ug/L	50	47.2	94	70-120	
1,1-Dichloroethene	ug/L	50	42.3	85	69-127	
1,2,4-Trichlorobenzene	ug/L	50	48.6	97	66-126	
1,2-Dibromo-3-chloropropane	ug/L	50	55.8	112	67-123	
1,2-Dibromoethane (EDB)	ug/L	50	51.8	104	76-125	
1,2-Dichlorobenzene	ug/L	50	49.7	99	77-122	
1,2-Dichloroethane	ug/L	50	44.1	88	70-123	
1,2-Dichloropropane	ug/L	50	53.2	106	77-124	
1,3-Dichlorobenzene	ug/L	50	47.7	95	76-124	
1,4-Dichlorobenzene	ug/L	50	46.3	93	75-117	
2-Butanone (MEK)	ug/L	250	258	103	60-135	
2-Hexanone	ug/L	250	292	117	65-139	
4-Methyl-2-pentanone (MIBK)	ug/L	250	271	108	66-134	
Acetone	ug/L	250	206	82	47-144	
Benzene	ug/L	50	47.8	96	76-122	
Bromodichloromethane	ug/L	50	53.1	106	71-124	
Bromoform	ug/L	50	52.4	105	60-125	
Bromomethane	ug/L	50	38.5	77	23-194	
Carbon disulfide	ug/L	50	43.5	87	63-130	
Carbon tetrachloride	ug/L	50	47.2	94	73-133	
Chlorobenzene	ug/L	50	47.8	96	76-118	
Chloroethane	ug/L	50	38.6	77	50-147	
Chloroform	ug/L	50	46.5	93	70-119	
Chloromethane	ug/L	50	37.5	75	52-136	
cis-1,2-Dichloroethene	ug/L	50	47.4	95	74-120	
cis-1,3-Dichloropropene	ug/L	50	50.1	100	71-134	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

LABORATORY CONTROL SAMPLE: 1645430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	49.9J	100	86-122	N2
Dibromochloromethane	ug/L	50	52.1	104	73-127	
Dichlorodifluoromethane	ug/L	50	37.6	75	39-166	
Ethylbenzene	ug/L	50	52.4	105	75-123	
Isopropylbenzene (Cumene)	ug/L	50	52.9	106	84-134	
Methyl acetate	ug/L	50	63.9	128	68-192	N2
Methyl-tert-butyl ether	ug/L	50	47.3	95	65-131	
Methylcyclohexane	ug/L	50	53.3	107	89-122	N2
Methylene Chloride	ug/L	50	50.9	102	66-130	
Styrene	ug/L	50	55.0	110	78-128	
Tetrachloroethene	ug/L	50	45.0	90	69-119	
Toluene	ug/L	50	45.2	90	74-122	
trans-1,2-Dichloroethene	ug/L	50	46.4	93	72-122	
trans-1,3-Dichloropropene	ug/L	50	49.4	99	66-135	
Trichloroethene	ug/L	50	44.8	90	75-123	
Trichlorofluoromethane	ug/L	50	41.4	83	58-148	
Vinyl chloride	ug/L	50	41.7	83	61-147	
Xylene (Total)	ug/L	150	154	103	75-127	
4-Bromofluorobenzene (S)	%.			105	79-116	
Dibromofluoromethane (S)	%.			95	84-118	
Toluene-d8 (S)	%.			94	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1645431 1645432

Parameter	Units	50155366017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	38.9	38.4	78	77	51-140	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.4	51.9	99	104	49-138	5	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	48.3	47.6	97	95	51-138	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	39.6	38.6	79	77	59-124	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	44.0	43.2	88	86	48-137	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	40.4	37.3	81	75	51-144	8	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	29.1	32.3	58	65	27-134	10	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	52.4	53.9	105	108	37-127	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	49.6	49.6	99	99	52-134	0	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	31.3	34.9	63	70	38-138	11	20	
1,2-Dichloroethane	ug/L	ND	50	50	41.7	43.4	83	87	44-144	4	20	
1,2-Dichloropropane	ug/L	ND	50	50	48.6	50.7	97	101	56-138	4	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	28.1	30.9	56	62	36-139	10	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	27.3	29.8	55	60	34-134	9	20	
2-Butanone (MEK)	ug/L	ND	250	250	282	290	113	116	44-142	3	20	
2-Hexanone	ug/L	ND	250	250	301	306	121	123	43-150	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	281	285	112	114	46-143	1	20	
Acetone	ug/L	ND	250	250	286	269	92	85	33-150	6	20	

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QUALITY CONTROL DATA

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1645431 1645432

Parameter	Units	50155366017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	41.9	42.1	84	84	51-140	1	20	
Bromodichloromethane	ug/L	ND	50	50	47.3	50.0	95	100	46-137	6	20	
Bromoform	ug/L	ND	50	50	43.6	47.6	87	95	36-127	9	20	
Bromomethane	ug/L	ND	50	50	37.7	37.1	75	74	10-188	2	20	
Carbon disulfide	ug/L	ND	50	50	37.2	37.2	74	74	35-148	0	20	
Carbon tetrachloride	ug/L	ND	50	50	39.2	39.1	78	78	45-151	0	20	
Chlorobenzene	ug/L	ND	50	50	34.3	35.3	69	71	45-138	3	20	
Chloroethane	ug/L	ND	50	50	37.0	35.9	74	72	33-164	3	20	
Chloroform	ug/L	ND	50	50	43.3	42.7	87	85	50-135	2	20	
Chloromethane	ug/L	ND	50	50	35.6	34.4	71	69	38-146	4	20	
cis-1,2-Dichloroethene	ug/L	50.0	50	50	84.4	85.0	69	70	43-144	1	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.1	43.3	84	87	42-136	3	20	
Cyclohexane	ug/L	ND	50	50	42.5J	41.7J	83	81	67-139		20	N2
Dibromochloromethane	ug/L	ND	50	50	45.2	46.1	90	92	45-136	2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	37.9	37.1	76	74	29-174	2	20	
Ethylbenzene	ug/L	ND	50	50	33.7	34.8	67	70	36-146	3	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	30.7	32.2	61	64	43-159	5	20	
Methyl acetate	ug/L	ND	50	50	55.8	55.8	112	112	33-183	0	20	N2
Methyl-tert-butyl ether	ug/L	ND	50	50	47.1	49.4	94	99	43-146	5	20	
Methylcyclohexane	ug/L	ND	50	50	44.1J	43.7J	88	87	60-140		20	N2
Methylene Chloride	ug/L	ND	50	50	51.1	54.4	101	108	48-140	6	20	
Styrene	ug/L	ND	50	50	36.5	37.7	73	75	31-148	3	20	
Tetrachloroethene	ug/L	ND	50	50	31.2	31.0	62	62	38-139	1	20	
Toluene	ug/L	ND	50	50	35.6	34.7	70	69	44-140	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	43.8	43.8	83	82	50-139	0	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	43.9	45.6	88	91	37-138	4	20	
Trichloroethene	ug/L	202	50	50	188	182	-29	-41	44-146	3	20	M0
Trichlorofluoromethane	ug/L	ND	50	50	39.2	38.8	78	78	41-164	1	20	
Vinyl chloride	ug/L	ND	50	50	39.9	40.2	78	78	43-166	1	20	
Xylene (Total)	ug/L	ND	150	150	100	102	67	68	35-146	2	20	
4-Bromofluorobenzene (S)	%.						106	104	79-116			
Dibromofluoromethane (S)	%.						96	96	84-118			
Toluene-d8 (S)	%.						95	91	86-110			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
C0	Result confirmed by second analysis.
C9	Common Laboratory Contaminant.
D4	Sample was diluted due to the presence of high levels of target analytes.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.

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4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50155366001	**TB-1(092716)RW**	EPA 8260	355096		
50155366002	**MW-0607-S1(092716)PDB**	EPA 8260	355096		
50155366003	**MW-0613-S1(092716)PDB**	EPA 8260	355096		
50155366004	**EB-2(092716)RW**	EPA 8260	355096		
50155366005	**MW-0609-S1(092716)PDB**	EPA 8260	355096		
50155366006	**MW-0610-S1(092716)PDB**	EPA 8260	355096		
50155366007	**MW-0602-S1(092716)PDB**	EPA 8260	355096		
50155366008	**MW-0705-S1(092716)PDB**	EPA 8260	355096		
50155366009	**MW-0612-S1(092716)PDB**	EPA 8260	355096		
50155366010	**MW-0606-S1(092716)PDB**	EPA 8260	355096		
50155366011	**MW-0704-S1(092716)PDB**	EPA 8260	355096		
50155366012	**MW-0618-S1(092716)PDB**	EPA 8260	355096		
50155366013	**MW-0608-S1(092716)PDB**	EPA 8260	355096		
50155366014	**MW-0501-S1(092716)PDB**	EPA 8260	355096		
50155366015	**MW-0509-S1(092716)PDB**	EPA 8260	355096		
50155366016	**MW-0102-S1U(092716)PDB**	EPA 8260	355096		
50155366017	**MW-0619-S1(092716)PDB**	EPA 8260	355623		
50155366018	**MW-0103-S1U(092716)PDB**	EPA 8260	355101		
50155366019	**MW-0623-S1(092716)PDB**	EPA 8260	355101		
50155366020	**MW-0622-S1(092716)PDB**	EPA 8260	355101		
50155366021	**MW-0620-S1(092716)PDB**	EPA 8260	355101		
50155366022	**MW-0605-S1(092716)PDB**	EPA 8260	355101		
50155366023	**TB-2(092716)RW**	EPA 8260	355101		
50155366024	**FD-2(092716)RW**	EPA 8260	355101		
50155366025	**MW-0621-S1(092716)PDB**	EPA 8260	355101		
50155366026	**MW-0505-S1(092716)PDB**	EPA 8260	355101		
50155366027	**MW-0504-S1(092716)PDB**	EPA 8260	355101		
50155366028	**MW-0506-S1(092716)PDB**	EPA 8260	355099		
50155366029	**EB-1(092716)RW**	EPA 8260	355099		
50155366030	**MW-0617-S1(092716)PDB**	EPA 8260	355099		
50155366031	**MW-0507-S1(092716)PDB**	EPA 8260	355099		
50155366032	**MW-0503-S1(092716)PDB**	EPA 8260	355099		
50155366033	**MW-0517-S1(092716)PDB**	EPA 8260	355099		
50155366034	**MW-0604-S1(092716)PDB**	EPA 8260	355099		
50155366035	**MW-0101-S1U(092716)PDB**	EPA 8260	355099		
50155366036	**FD-1(092716)RW**	EPA 8260	355099		
50155366037	**MW-0502-S1(091716)PDB**	EPA 8260	355099		
50155366038	**MW-0516-S1(091716)PDB**	EPA 8260	355099		
50155366039	**MW-0603-S1(091716)PDB**	EPA 8260	355101		

REPORT OF LABORATORY ANALYSIS

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Page: 1 of 4

2082092

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. WASHINGTON ST, STE 600 INDPLS, IN 46204
Email To: SARAH FISHER
Phone: 317-231-6500 Fax: 317-231-6514
Requested Due Date/TAT: STND

Section B Required Project Information:

Report To: SARAH FISHER
Copy To: MATT GRILES, SARAH JONKER
Purchase Order No.: IN000884.2016.00006
Project Name: PACEL TRUST FORMER GM DELCO PLANT 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: ACCTS PAY
Company Name: ARCADIS
Address: 10 CENTENNIAL CENTER, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N)	Analysis Test ↓ VOCs-8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Y/N	N		30155366
1	TB-1 (092716) RW	WG	G			9-27-16	—		3				X						X		LAB SUPPLIED. 001
2	MW-0607-S1 (092716) PDB	WG	G			9-27-16	0800		3				X						X		002
3	MW-0613-S1 (092716) PDB	WG	G				0810		3				X						X		003
4	EB-2 (092716) RW	WG	G				0815		3				X						X		EQUIP. BLANK 004
5	MW-0609-S1 (092716) PDB	WG	G				0830		3				X						X		005
6	MW-0610-S1 (092716) PDB	WG	G				0835		3				X						X		006
7	MW-0602-S1 (092716) PDB	WG	G				0845		3				X						X		007
8	MW-0705-S1 (092716) PDB	WG	G				0855		3				X						X		008
9	MW-0612-S1 (092716) PDB	WG	G				0900		3				X						X		009
10	MW-0606-S1 (092716) PDB	WG	G				0910		3				X						X		010
11	MW-0704-S1 (092716) PDB	WG	G				0915		3				X						X		011
12	MW-0618-S1 (092716) PDB	WG	G			↓	0920		3				X						X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] (ARCADIS)	9/28	1315	L. Easterday	9/29/16	1315	1.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: SARAH WARREN
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-27-16

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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2082093

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. WASHINGTON ST, STE 600
INDPLS, IN 46204
Email To: SARAH.FISHER@ARCADIS-US.COM
Phone: 317-231-6500 Fax: 317-231-6514
Requested Due Date/TAT: STND

Section B Required Project Information:

Report To: SARAH FISHER
Copy To: MATT BOLES
SARAH JONKER
Purchase Order No.: IN000884.2016.00006
Project Name: KAISER TRUST FORMER GM NEW PLANT 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: ACCTSPAY
Company Name: ARCADIS
Address: HIGHLANDS RANCH, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOCs - 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																	N		
1	MW-0608-S1 (092716) PDB	WT	G			9-27-16	0930		3				X					X		50155366
2	MW-0501-S1 (092716) PDB	WT	G			9-27-16	0945		9				X					X		013
3	MW-0509-S1 (092716) PDB	WT	G				0955		3				X					X		MS/MSD 014
4	MW-0102-S14 (092716) PDB	WT	G				1005		3				X					X		015
5	MW-0619-S1 (092716) PDB	WT	G				1015		3				X					X		016
6	MW-0103-S14 (092716) PDB	WT	G				1020		3				X					X		017
7	MW-0623-S1 (092716) PDB	WT	G				1030		3				X					X		018
8	MW-0622-S1 (092716) PDB	WT	G				1040		3				X					X		019
9	MW-0620-S1 (092716) PDB	WT	G				1050		3				X					X		020
10	MW-0605-S1 (092716) PDB	WT	G				1100		3				X					X		021
11	TB-2 (092716) RW	WT	G				—		3				X					X		022
12	FD-2 (092716) RW	WT	G				—		3				X					X		LAB SUPPLIED 023
																				FIELD BLANK DUP 024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] / ARCADIS	9/28	1315	L. Easterday	9/28	1315	1.8 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: RANDALL WOODRUFF
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 9-27-16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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2082094

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. WASHINGTON ST., STE 600 INDPLS, IN 46204
Email To: SARAH.FISHER
Phone: 317-231-6580 Fax: 317-231-6514
Requested Due Date/TAT: STND

Section B Required Project Information:

Report To: SARAH FISHER
Copy To: MATT GREVES, SARAH JOYCER
Purchase Order No.: IN000884.2016.00006
Project Name: RACER TRUST FORMER GM DELCO PLANT 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: ACCTS PAY
Company Name: ARCADIS
Address: HIGHLANDS RANCH, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOCs - 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-0621-S1 (092716) PDB	WT	G			9/26/16	1115		3			X						X	X		025
2	MW-0505-S1 (092716) PDB	WT	G				1120		3			X						X	X		026
3	MW-0504-S1 (092716) PDB	WT	G				1130		3			X						X	X		027
4	MW-0506-S1 (092716) PDB	WT	G				1135		3			X						X	X		028
5	EB-1 (092716) RW	WT	G				1140		3			X						X	X		EQUIP BLANK 029
6	MW-0617-S1 (092716) PDB	WT	G				1150		3			X						X	X		030
7	MW-0507-S1 (092716) PDB	WT	G				1205		3			X						X	X		031
8	MW-0503-S1 (092716) PDB	WT	G				1215		9			X						X	X		MS/MSD 032
9	MW-0517-S1 (092716) PDB	WT	G				1225		3			X						X	X		033
10	MW-0604-S1 (092716) PDB	WT	G				1235		3			X						X	X		034
11	MW-0101-S1A (092716) PDB	WT	G				1245		3			X						X	X		035
12	FD-1 (092716) RW	WT	G				—		3			X						X	X		FIELD DUP 036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	ARCADIS	9/28	1315	L. Easterday	9/28	1315	1.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Ranessa Woodruff
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-27-16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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2082095

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. Washington St, Ste 600
Indpls, IN 46204
Email To: Sarah.Fisher
Phone: 317-231-6588 Fax: 317-231-6514
Requested Due Date/TAT: Std 10 days

Section B Required Project Information:

Report To: Sarah Fisher
Copy To: Matt Graves
Sarah Jonker
Purchase Order No.: IN000884.2016.00006
Project Name: Baker Trust Former Gas Depot Plant 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: Accts Pay
Company Name: ARCADIS
Address: Highlands Ranch, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

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1	MW-0502-S1 (092716) PDB	WT	G			9/27/16	1250		3				X					X		037
2	MW-0516-S1 (092716) PDB	WT	G				1300		3				X					X		038
3	MW-0603-S1 (092716) PDB	WT	G				1310		3				X					X		039
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Requested Analysis Filtered (Y/N): Y/N

50155366

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] ARCADIS	9/28	1315	L. Easterday	9/28	1315	1.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Randall Westrick
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-27-16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: MeadS

Project # 5D155366

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

Thermometer 1 2 3 4 (5) 6 A B C D E F

Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Initial/Corrected) 1.8 – 1.8

Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: AMR, 9/28/16

Are samples from West Virginia? Document any containers out of temp.	☐Yes	☑No		1.
Chain of Custody Present:	☑Yes	☐No	☐N/A	2.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	3.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	4.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Containers Intact:	☑Yes	☐No	☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				
Residual Chlorine Check (SVOC 625 Pest/PCB 608)				11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)				12. Present Absent
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	13
Headspace Wisconsin Sulfide	☐Yes	☐No		14
Trip Blank Present:	☑Yes	☐No	☐N/A	15
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	15.
Sufficient Volume:	☑Yes	☐No	☐N/A	16.
Correct Containers Used:	☑Yes	☐No	☐N/A	17.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Randy / Arcadis Date/Time: 9/28/16

Comments/ Resolution:

email - pg 3+4 09/27 in Sample ID, 09/26 in date; will have 9/27 - which date is correct 88
9-28 Randy email - all collected on 9/27 (88)

Project Manager Review: _____ **Date:** 9/28/16

Form F-IN-Q-290-rev.09, 13Oct2015

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 4

COC ID# 208292

Project # 50155366

Sample Line Item	DG9H / VG9H	AG1U	WGFU	AG0U	R Bulk Kit 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U					Matrix SI/WW/Ot (Soil/Water/Other)	pH <2	pH >9	pH>12
1	3																					SI			
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12	4																					4			

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: ARCADIS

COC PAGE 2 of 4

COC ID# 208 2093

Project # 50155366

Sample Line Item	DG9H	VG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	Matrix SI/Wt/Ot (Soil/Water/Other)	pH <2	pH >9	pH>12
1	3																						
2	9																						
3	3																						
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: ARCADIS

COC PAGE 3 of 4

COC ID# 208284

Project # 30155366

Sample Line Item	DG9H	VG9H	Bulk Kit	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U				Matrix SI/Wt/Ot (Soil/Water/Other)	pH <2	pH >9	pH>12
1	3																							SW			
2																											
3																											
4																											
5																											
6																											
7																											
8	9																										
9	3																										
10																											
11																											
12																											

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: ARCADIS

COC PAGE 4 of 4

COC ID# 208 2085

Project # 30155360

Sample Line Item	DG9H / VG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U				Matrix SI/Wt/Ot (Soil/Water/Other)	pH <2	pH >9	pH>12
1	3																					S			
2	↓																					W			
3																						O			
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1642749	1642749BLANK	104	96	94
1642750	1642750LCS	104	93	93
1642751	1642751MS	108	93	92
1642752	1642752MSD	108	94	95
50155366001	TB-1(092716)RW	102	94	93
50155366002	MW-0607-S1(092716)PDB	103	97	93
50155366003	MW-0613-S1(092716)PDB	103	96	92
50155366004	EB-2(092716)RW	103	99	91
50155366005	MW-0609-S1(092716)PDB	103	97	93
50155366006	MW-0610-S1(092716)PDB	100	96	91
50155366007	MW-0602-S1(092716)PDB	103	96	93
50155366008	MW-0705-S1(092716)PDB	104	98	94
50155366009	MW-0612-S1(092716)PDB	105	99	95
50155366010	MW-0606-S1(092716)PDB	104	95	95
50155366011	MW-0704-S1(092716)PDB	102	97	93
50155366012	MW-0618-S1(092716)PDB	104	99	92
50155366013	MW-0608-S1(092716)PDB	102	95	93
50155366014	MW-0501-S1(092716)PDB	101	98	91
50155366015	MW-0509-S1(092716)PDB	103	99	92
50155366016	MW-0102-S1U(092716)PDB	103	96	91

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(79-116)
(DIBF) = Dibromofluoromethane (S)	(84-118)
(TOL8) = Toluene-d8 (S)	(86-110)

* Values outside of QC Limits

MSV - FORM II VOA-2
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1642780	1642780BLANK	102	95	92
1642781	1642781LCS	105	92	93
1642782	1642782MS	105	95	94
1642783	1642783MSD	103	97	93
50155366018	MW-0103-S1U(092716)PDB	103	96	92
50155366019	MW-0623-S1(092716)PDB	104	94	92
50155366020	MW-0622-S1(092716)PDB	101	98	93
50155366021	MW-0620-S1(092716)PDB	104	97	96
50155366022	MW-0605-S1(092716)PDB	102	98	94
50155366023	TB-2(092716)RW	103	97	92
50155366024	FD-2(092716)RW	102	97	95
50155366025	MW-0621-S1(092716)PDB	102	97	94
50155366026	MW-0505-S1(092716)PDB	102	98	92
50155366027	MW-0504-S1(092716)PDB	101	101	93
50155366039	MW-0603-S1(091716)PDB	103	95	93

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(79-116)
(DIBF) = Dibromofluoromethane (S)	(84-118)
(TOL8) = Toluene-d8 (S)	(86-110)

* Values outside of QC Limits

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1642764	1642764BLANK	104	94	94
1642765	1642765LCS	107	95	93
1642766	1642766MS	106	97	92
1642767	1642767MSD	106	96	92
50155366028	MW-0506-S1(092716)PDB	102	94	91
50155366029	EB-1(092716)RW	102	96	92
50155366030	MW-0617-S1(092716)PDB	105	98	91
50155366031	MW-0507-S1(092716)PDB	103	96	92
50155366032	MW-0503-S1(092716)PDB	102	94	91
50155366033	MW-0517-S1(092716)PDB	100	96	90
50155366034	MW-0604-S1(092716)PDB	101	95	92
50155366035	MW-0101-S1U(092716)PDB	104	95	92
50155366036	FD-1(092716)RW	101	98	92
50155366037	MW-0502-S1(091716)PDB	99	95	93
50155366038	MW-0516-S1(091716)PDB	102	98	91

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(79-116)
(DIBF) = Dibromofluoromethane (S)	(84-118)
(TOL8) = Toluene-d8 (S)	(86-110)

* Values outside of QC Limits

MSV - FORM II VOA-2
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1645429	1645429BLANK	99	99	94
1645430	1645430LCS	105	95	94
1645431	1645431MS	106	96	95
1645432	1645432MSD	104	96	91
50155366017	MW-0619-S1(092716)PDB	99	97	94

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(79-116)
(DIBF) = Dibromofluoromethane (S)	(84-118)
(TOL8) = Toluene-d8 (S)	(86-110)

* Values outside of QC Limits

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1642750LCS
Date Extracted: 10/06/2016
Date Analyzed (1): 10/06/2016
Instrument: 50MV3B
LCS Lot No: 132007
Lab File ID: B100616.B\B02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	347	139	47-144
Benzene	50.0	46.2	92	76-122
Bromodichloromethane	50.0	47.6	95	71-124
Bromoform	50.0	46.6	93	60-125
Bromomethane	50.0	35.0	70	23-194
2-Butanone (MEK)	250	303	121	60-135
Carbon disulfide	50.0	45.2	90	63-130
Carbon tetrachloride	50.0	44.4	89	73-133
Chlorobenzene	50.0	46.8	94	76-118
Chloroethane	50.0	37.9	76	50-147
Chloroform	50.0	42.8	86	70-119
Chloromethane	50.0	31.5	63	52-136
Cyclohexane	50.0	48.2J	96	86-122
1,2-Dibromo-3-chloropropane	50.0	50.6	101	67-123
Dibromochloromethane	50.0	45.7	91	73-127
1,2-Dibromoethane (EDB)	50.0	48.1	96	76-125
1,2-Dichlorobenzene	50.0	48.8	98	77-122
1,3-Dichlorobenzene	50.0	48.9	98	76-124
1,4-Dichlorobenzene	50.0	46.5	93	75-117
Dichlorodifluoromethane	50.0	41.3	83	39-166
1,1-Dichloroethane	50.0	45.8	92	70-120
1,2-Dichloroethane	50.0	40.0	80	70-123
1,1-Dichloroethene	50.0	46.6	93	69-127
cis-1,2-Dichloroethene	50.0	46.5	93	74-120
trans-1,2-Dichloroethene	50.0	47.4	95	72-122
1,2-Dichloropropane	50.0	51.8	104	77-124
cis-1,3-Dichloropropene	50.0	48.2	96	71-134
trans-1,3-Dichloropropene	50.0	50.5	101	66-135
Ethylbenzene	50.0	50.8	102	75-123
2-Hexanone	250	297	119	65-139
Isopropylbenzene (Cumene)	50.0	50.7	101	84-134
Methyl acetate	50.0	65.5	131	68-192
Methylcyclohexane	50.0	53.2	106	89-122
Methylene Chloride	50.0	54.2	108	66-130
4-Methyl-2-pentanone (MIBK)	250	244	98	66-134
Methyl-tert-butyl ether	50.0	45.5	91	65-131
Styrene	50.0	52.2	104	78-128
1,1,2,2-Tetrachloroethane	50.0	51.5	103	72-124
Tetrachloroethene	50.0	46.2	92	69-119
Toluene	50.0	42.8	86	74-122
1,2,4-Trichlorobenzene	50.0	55.0	110	66-126
1,1,1-Trichloroethane	50.0	43.8	88	72-123
1,1,2-Trichloroethane	50.0	46.8	94	75-125
Trichloroethene	50.0	49.3	99	75-123
Trichlorofluoromethane	50.0	40.1	80	58-148
1,1,2-Trichlorotrifluoroethane	50.0	44.1	88	80-111
Vinyl chloride	50.0	41.4	83	61-147

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1642750LCS
Date Extracted: 10/06/2016
Date Analyzed (1): 10/06/2016
Instrument: 50MV3B
LCS Lot No: 132007
Lab File ID: B100616.B\B02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Xylene (Total)	150	152	101	75-127

Spike Recovery: 0 out of 48 outside limits.

10/25/2016 11:09

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1642765LCS
Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016
Instrument: 50MV3A
LCS Lot No: 132007
Lab File ID: A100616.B\C02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	220	88	47-144
Benzene	50.0	46.0	92	76-122
Bromodichloromethane	50.0	51.6	103	71-124
Bromoform	50.0	49.2	98	60-125
Bromomethane	50.0	39.5	79	23-194
2-Butanone (MEK)	250	283	113	60-135
Carbon disulfide	50.0	44.4	89	63-130
Carbon tetrachloride	50.0	45.2	90	73-133
Chlorobenzene	50.0	46.4	93	76-118
Chloroethane	50.0	38.9	78	50-147
Chloroform	50.0	43.9	88	70-119
Chloromethane	50.0	37.3	75	52-136
Cyclohexane	50.0	47.7J	95	86-122
1,2-Dibromo-3-chloropropane	50.0	55.6	111	67-123
Dibromochloromethane	50.0	51.7	103	73-127
1,2-Dibromoethane (EDB)	50.0	52.3	105	76-125
1,2-Dichlorobenzene	50.0	47.0	94	77-122
1,3-Dichlorobenzene	50.0	45.6	91	76-124
1,4-Dichlorobenzene	50.0	44.1	88	75-117
Dichlorodifluoromethane	50.0	42.2	84	39-166
1,1-Dichloroethane	50.0	44.6	89	70-120
1,2-Dichloroethane	50.0	40.6	81	70-123
1,1-Dichloroethene	50.0	41.5	83	69-127
cis-1,2-Dichloroethene	50.0	46.0	92	74-120
trans-1,2-Dichloroethene	50.0	46.8	94	72-122
1,2-Dichloropropane	50.0	52.4	105	77-124
cis-1,3-Dichloropropene	50.0	48.0	96	71-134
trans-1,3-Dichloropropene	50.0	48.9	98	66-135
Ethylbenzene	50.0	49.4	99	75-123
2-Hexanone	250	290	116	65-139
Isopropylbenzene (Cumene)	50.0	51.0	102	84-134
Methyl acetate	50.0	64.8	130	68-192
Methylcyclohexane	50.0	51.5	103	89-122
Methylene Chloride	50.0	56.3	113	66-130
4-Methyl-2-pentanone (MIBK)	250	268	107	66-134
Methyl-tert-butyl ether	50.0	47.0	94	65-131
Styrene	50.0	53.7	107	78-128
1,1,2,2-Tetrachloroethane	50.0	52.2	104	72-124
Tetrachloroethene	50.0	43.5	87	69-119
Toluene	50.0	43.1	86	74-122
1,2,4-Trichlorobenzene	50.0	47.9	96	66-126
1,1,1-Trichloroethane	50.0	42.1	84	72-123
1,1,2-Trichloroethane	50.0	51.1	102	75-125
Trichloroethene	50.0	44.1	88	75-123
Trichlorofluoromethane	50.0	40.2	80	58-148
1,1,2-Trichlorotrifluoroethane	50.0	40.0	80	80-111
Vinyl chloride	50.0	41.6	83	61-147

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1642765LCS
Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016
Instrument: 50MV3A
LCS Lot No: 132007
Lab File ID: A100616.B\C02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Xylene (Total)	150	151	101	75-127

Spike Recovery: 0 out of 48 outside limits.

10/25/2016 11:09

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1642781LCS
Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016
Instrument: 50MV3B
LCS Lot No: 132007
Lab File ID: B100616.B\D02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	228	91	47-144
Benzene	50.0	46.9	94	76-122
Bromodichloromethane	50.0	50.9	102	71-124
Bromoform	50.0	50.6	101	60-125
Bromomethane	50.0	39.0	78	23-194
2-Butanone (MEK)	250	260	104	60-135
Carbon disulfide	50.0	44.2	88	63-130
Carbon tetrachloride	50.0	43.9	88	73-133
Chlorobenzene	50.0	47.9	96	76-118
Chloroethane	50.0	37.4	75	50-147
Chloroform	50.0	43.7	87	70-119
Chloromethane	50.0	32.6	65	52-136
Cyclohexane	50.0	47.8J	96	86-122
1,2-Dibromo-3-chloropropane	50.0	54.6	109	67-123
Dibromochloromethane	50.0	51.0	102	73-127
1,2-Dibromoethane (EDB)	50.0	51.7	103	76-125
1,2-Dichlorobenzene	50.0	49.3	99	77-122
1,3-Dichlorobenzene	50.0	47.9	96	76-124
1,4-Dichlorobenzene	50.0	47.7	95	75-117
Dichlorodifluoromethane	50.0	40.3	81	39-166
1,1-Dichloroethane	50.0	45.1	90	70-120
1,2-Dichloroethane	50.0	41.1	82	70-123
1,1-Dichloroethene	50.0	47.7	95	69-127
cis-1,2-Dichloroethene	50.0	47.0	94	74-120
trans-1,2-Dichloroethene	50.0	46.5	93	72-122
1,2-Dichloropropane	50.0	51.4	103	77-124
cis-1,3-Dichloropropene	50.0	48.1	96	71-134
trans-1,3-Dichloropropene	50.0	51.4	103	66-135
Ethylbenzene	50.0	50.5	101	75-123
2-Hexanone	250	283	113	65-139
Isopropylbenzene (Cumene)	50.0	51.9	104	84-134
Methyl acetate	50.0	69.3	139	68-192
Methylcyclohexane	50.0	52.7	105	89-122
Methylene Chloride	50.0	55.6	111	66-130
4-Methyl-2-pentanone (MIBK)	250	263	105	66-134
Methyl-tert-butyl ether	50.0	47.4	95	65-131
Styrene	50.0	55.1	110	78-128
1,1,2,2-Tetrachloroethane	50.0	53.5	107	72-124
Tetrachloroethene	50.0	44.3	89	69-119
Toluene	50.0	43.2	86	74-122
1,2,4-Trichlorobenzene	50.0	52.8	106	66-126
1,1,1-Trichloroethane	50.0	44.2	88	72-123
1,1,2-Trichloroethane	50.0	49.4	99	75-125
Trichloroethene	50.0	48.0	96	75-123
Trichlorofluoromethane	50.0	39.8	80	58-148
1,1,2-Trichlorotrifluoroethane	50.0	45.3	91	80-111
Vinyl chloride	50.0	40.9	82	61-147

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1642781LCS
Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016
Instrument: 50MV3B
LCS Lot No: 132007
Lab File ID: B100616.B\D02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Xylene (Total)	150	155	103	75-127

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1645430LCS
Date Extracted: 10/10/2016
Date Analyzed (1): 10/10/2016
Instrument: 50MV3A
LCS Lot No: 132007
Lab File ID: A101016.B\C02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	206	82	47-144
Benzene	50.0	47.8	96	76-122
Bromodichloromethane	50.0	53.1	106	71-124
Bromoform	50.0	52.4	105	60-125
Bromomethane	50.0	38.5	77	23-194
2-Butanone (MEK)	250	258	103	60-135
Carbon disulfide	50.0	43.5	87	63-130
Carbon tetrachloride	50.0	47.2	94	73-133
Chlorobenzene	50.0	47.8	96	76-118
Chloroethane	50.0	38.6	77	50-147
Chloroform	50.0	46.5	93	70-119
Chloromethane	50.0	37.5	75	52-136
Cyclohexane	50.0	49.9J	100	86-122
1,2-Dibromo-3-chloropropane	50.0	55.8	112	67-123
Dibromochloromethane	50.0	52.1	104	73-127
1,2-Dibromoethane (EDB)	50.0	51.8	104	76-125
1,2-Dichlorobenzene	50.0	49.7	99	77-122
1,3-Dichlorobenzene	50.0	47.7	95	76-124
1,4-Dichlorobenzene	50.0	46.3	93	75-117
Dichlorodifluoromethane	50.0	37.6	75	39-166
1,1-Dichloroethane	50.0	47.2	94	70-120
1,2-Dichloroethane	50.0	44.1	88	70-123
1,1-Dichloroethene	50.0	42.3	85	69-127
cis-1,2-Dichloroethene	50.0	47.4	95	74-120
trans-1,2-Dichloroethene	50.0	46.4	93	72-122
1,2-Dichloropropane	50.0	53.2	106	77-124
cis-1,3-Dichloropropene	50.0	50.1	100	71-134
trans-1,3-Dichloropropene	50.0	49.4	99	66-135
Ethylbenzene	50.0	52.4	105	75-123
2-Hexanone	250	292	117	65-139
Isopropylbenzene (Cumene)	50.0	52.9	106	84-134
Methyl acetate	50.0	63.9	128	68-192
Methylcyclohexane	50.0	53.3	107	89-122
Methylene Chloride	50.0	50.9	102	66-130
4-Methyl-2-pentanone (MIBK)	250	271	108	66-134
Methyl-tert-butyl ether	50.0	47.3	95	65-131
Styrene	50.0	55.0	110	78-128
1,1,2,2-Tetrachloroethane	50.0	55.0	110	72-124
Tetrachloroethene	50.0	45.0	90	69-119
Toluene	50.0	45.2	90	74-122
1,2,4-Trichlorobenzene	50.0	48.6	97	66-126
1,1,1-Trichloroethane	50.0	44.2	88	72-123
1,1,2-Trichloroethane	50.0	50.8	102	75-125
Trichloroethene	50.0	44.8	90	75-123
Trichlorofluoromethane	50.0	41.4	83	58-148
1,1,2-Trichlorotrifluoroethane	50.0	41.3	83	80-111
Vinyl chloride	50.0	41.7	83	61-147

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1645430LCS
Date Extracted: 10/10/2016
Date Analyzed (1): 10/10/2016
Instrument: 50MV3A
LCS Lot No: 132007
Lab File ID: A101016.B\C02LCSW.D
SDG No.: 50155366

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Xylene (Total)	150	154	103	75-127

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1642751MS
Date Extracted: 10/06/2016
Date Analyzed (1): 10/06/2016
Instrument: 50MV3B
Lab File ID: B100616.B\B21.D
Parent Sample ID: MW-0501-S1(092716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	ND	42.0	84	51-140
1,1,2,2-Tetrachloroethane	50.0	ND	49.0	98	49-138
1,1,2-Trichloroethane	50.0	ND	45.7	91	51-138
1,1,2-Trichlorotrifluoroethane	50.0	ND	48.1	96	59-124
1,1-Dichloroethane	50.0	ND	46.3	93	48-137
1,1-Dichloroethene	50.0	ND	48.8	98	51-144
1,2,4-Trichlorobenzene	50.0	ND	32.5	65	27-134
1,2-Dibromo-3-chloropropane	50.0	ND	53.4	107	37-127
1,2-Dibromoethane (EDB)	50.0	ND	47.4	95	52-134
1,2-Dichlorobenzene	50.0	ND	32.8	66	38-138
1,2-Dichloroethane	50.0	ND	41.9	84	44-144
1,2-Dichloropropane	50.0	ND	49.5	99	56-138
1,3-Dichlorobenzene	50.0	ND	29.0	58	36-139
1,4-Dichlorobenzene	50.0	ND	28.4	57	34-134
2-Butanone (MEK)	250	ND	285	114	44-142
2-Hexanone	250	ND	270	108	43-150
4-Methyl-2-pentanone (MIBK)	250	ND	252	101	46-143
Acetone	250	180	400	88	33-150
Benzene	50.0	ND	43.7	87	51-140
Bromodichloromethane	50.0	ND	47.1	94	46-137
Bromoform	50.0	ND	43.6	87	36-127
Bromomethane	50.0	ND	38.1	76	10-188
Carbon disulfide	50.0	ND	44.5	89	35-148
Carbon tetrachloride	50.0	ND	41.2	82	45-151
Chlorobenzene	50.0	ND	35.0	70	45-138
Chloroethane	50.0	ND	41.9	84	33-164
Chloroform	50.0	ND	41.9	84	50-135
Chloromethane	50.0	ND	37.9	76	38-146
Cyclohexane	50.0	ND	45.6J	91	67-139
Dibromochloromethane	50.0	ND	44.8	90	45-136
Dichlorodifluoromethane	50.0	ND	50.2	100	29-174
Ethylbenzene	50.0	ND	35.6	71	36-146
Isopropylbenzene (Cumene)	50.0	ND	32.1	64	43-159
Methyl acetate	50.0	ND	60.1	120	33-183
Methyl-tert-butyl ether	50.0	ND	49.8	100	43-146
Methylcyclohexane	50.0	ND	47.4J	95	60-140
Methylene Chloride	50.0	6.8	56.7	100	48-140
Styrene	50.0	ND	37.0	74	31-148
Tetrachloroethene	50.0	ND	33.4	67	38-139
Toluene	50.0	ND	35.2	69	44-140
Trichloroethene	50.0	ND	41.0	82	44-146
Trichlorofluoromethane	50.0	ND	43.8	88	41-164
Vinyl chloride	50.0	ND	47.4	95	43-166
Xylene (Total)	150	ND	105	70	35-146
cis-1,2-Dichloroethene	50.0	ND	48.1	91	43-144
cis-1,3-Dichloropropene	50.0	ND	43.8	88	42-136
trans-1,2-Dichloroethene	50.0	ND	46.2	92	50-139

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1642751MS

Date Extracted: 10/06/2016
Date Analyzed (1): 10/06/2016

Instrument: 50MV3B
Lab File ID: B100616.B\B21.D

Parent Sample ID: MW-0501-S1(092716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
trans-1,3-Dichloropropene	50.0	ND	45.9	92	37-138

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3B Matrix Spike Duplicate - Sample No: 1642752MSD

Lab File ID (2): B100616.B\B22.D Date Analyzed (2): 10/06/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	45.5	91	8	0-20	51-140
1,1,2,2-Tetrachloroethane	50.0	54.8	110	11	0-20	49-138
1,1,2-Trichloroethane	50.0	54.8	110	18	0-20	51-138
1,1,2-Trichlorotrifluoroethane	50.0	51.1	102	6	0-20	59-124
1,1-Dichloroethane	50.0	50.4	101	8	0-20	48-137
1,1-Dichloroethene	50.0	53.8	108	10	0-20	51-144
1,2,4-Trichlorobenzene	50.0	32.6	65	0	0-20	27-134
1,2-Dibromo-3-chloropropane	50.0	53.7	107	1	0-20	37-127
1,2-Dibromoethane (EDB)	50.0	53.4	107	12	0-20	52-134
1,2-Dichlorobenzene	50.0	33.6	67	3	0-20	38-138
1,2-Dichloroethane	50.0	45.2	90	8	0-20	44-144
1,2-Dichloropropane	50.0	54.4	109	9	0-20	56-138
1,3-Dichlorobenzene	50.0	30.3	61	4	0-20	36-139
1,4-Dichlorobenzene	50.0	29.3	59	3	0-20	34-134
2-Butanone (MEK)	250	309	124	8	0-20	44-142
2-Hexanone	250	309	123	13	0-20	43-150
4-Methyl-2-pentanone (MIBK)	250	287	115	13	0-20	46-143
Acetone	250	428	99	7	0-20	33-150
Benzene	50.0	48.1	96	10	0-20	51-140
Bromodichloromethane	50.0	51.8	104	9	0-20	46-137
Bromoform	50.0	48.9	98	12	0-20	36-127
Bromomethane	50.0	43.9	88	14	0-20	10-188
Carbon disulfide	50.0	49.5	99	11	0-20	35-148
Carbon tetrachloride	50.0	44.8	90	8	0-20	45-151
Chlorobenzene	50.0	38.6	77	10	0-20	45-138
Chloroethane	50.0	47.3	95	12	0-20	33-164
Chloroform	50.0	46.1	92	10	0-20	50-135
Chloromethane	50.0	41.6	83	9	0-20	38-146
Cyclohexane	50.0	50.7J	101		0-20	67-139
Dibromochloromethane	50.0	52.5	105	16	0-20	45-136
Dichlorodifluoromethane	50.0	53.5	107	6	0-20	29-174
Ethylbenzene	50.0	37.8	76	6	0-20	36-146
Isopropylbenzene (Cumene)	50.0	34.0	68	6	0-20	43-159
Methyl acetate	50.0	67.8	136	12	0-20	33-183
Methyl-tert-butyl ether	50.0	55.8	112	11	0-20	43-146
Methylcyclohexane	50.0	50.8	102		0-20	60-140
Methylene Chloride	50.0	62.2	111	9	0-20	48-140
Styrene	50.0	40.1	80	8	0-20	31-148
Tetrachloroethene	50.0	36.0	72	8	0-20	38-139
Toluene	50.0	38.9	77	10	0-20	44-140
Trichloroethene	50.0	44.5	89	8	0-20	44-146
Trichlorofluoromethane	50.0	47.5	95	8	0-20	41-164
Vinyl chloride	50.0	50.8	102	7	0-20	43-166
Xylene (Total)	150	113	76	8	0-20	35-146
cis-1,2-Dichloroethene	50.0	52.0	99	8	0-20	43-144
cis-1,3-Dichloropropene	50.0	49.4	99	12	0-20	42-136
trans-1,2-Dichloroethene	50.0	49.8	100	8	0-20	50-139
trans-1,3-Dichloropropene	50.0	52.5	105	14	0-20	37-138

MSV - FORM III VOA-4

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3B Matrix Spike Duplicate - Sample No: 1642752MSD

Lab File ID (2): B100616.B\B22.D Date Analyzed (2): 10/06/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.

RPD: 0 out of 46 outside limits.

Spike Recovery: 0 out of 48 outside limits.

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MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1642766MS
Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016
Instrument: 50MV3A
Lab File ID: A100616.B\C11.D
Parent Sample ID: MW-0503-S1(092716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	ND	38.7	77	51-140
1,1,2,2-Tetrachloroethane	50.0	ND	49.4	99	49-138
1,1,2-Trichloroethane	50.0	ND	47.9	96	51-138
1,1,2-Trichlorotrifluoroethane	50.0	ND	42.3	85	59-124
1,1-Dichloroethane	50.0	ND	45.0	90	48-137
1,1-Dichloroethene	50.0	ND	44.1	88	51-144
1,2,4-Trichlorobenzene	50.0	ND	25.6	51	27-134
1,2-Dibromo-3-chloropropane	50.0	ND	54.1	108	37-127
1,2-Dibromoethane (EDB)	50.0	ND	47.7	95	52-134
1,2-Dichlorobenzene	50.0	ND	27.3	55	38-138
1,2-Dichloroethane	50.0	ND	43.1	86	44-144
1,2-Dichloropropane	50.0	ND	48.3	97	56-138
1,3-Dichlorobenzene	50.0	ND	23.0	46	36-139
1,4-Dichlorobenzene	50.0	ND	22.1	44	34-134
2-Butanone (MEK)	250	ND	286	114	44-142
2-Hexanone	250	ND	289	116	43-150
4-Methyl-2-pentanone (MIBK)	250	ND	268	107	46-143
Acetone	250	217	446	92	33-150
Benzene	50.0	ND	41.5	83	51-140
Bromodichloromethane	50.0	ND	46.7	93	46-137
Bromoform	50.0	ND	45.1	90	36-127
Bromomethane	50.0	ND	42.2	84	10-188
Carbon disulfide	50.0	ND	43.4	87	35-148
Carbon tetrachloride	50.0	ND	39.2	78	45-151
Chlorobenzene	50.0	ND	30.1	60	45-138
Chloroethane	50.0	ND	43.3	87	33-164
Chloroform	50.0	ND	42.6	85	50-135
Chloromethane	50.0	ND	44.4	89	38-146
Cyclohexane	50.0	ND	44.1J	87	67-139
Dibromochloromethane	50.0	ND	44.1	88	45-136
Dichlorodifluoromethane	50.0	ND	50.4	101	29-174
Ethylbenzene	50.0	ND	28.2	56	36-146
Isopropylbenzene (Cumene)	50.0	ND	24.2	48	43-159
Methyl acetate	50.0	ND	53.4	107	33-183
Methyl-tert-butyl ether	50.0	ND	51.7	103	43-146
Methylcyclohexane	50.0	ND	42J	84	60-140
Methylene Chloride	50.0	ND	58.6	108	48-140
Styrene	50.0	ND	30.2	60	31-148
Tetrachloroethene	50.0	ND	26.6	53	38-139
Toluene	50.0	ND	31.3	62	44-140
Trichloroethene	50.0	ND	34.4	69	44-146
Trichlorofluoromethane	50.0	ND	42.6	85	41-164
Vinyl chloride	50.0	ND	48.1	96	43-166
Xylene (Total)	150	ND	82.4	55	35-146
cis-1,2-Dichloroethene	50.0	ND	42.8	86	43-144
cis-1,3-Dichloropropene	50.0	ND	39.9	80	42-136
trans-1,2-Dichloroethene	50.0	ND	42.9	86	50-139

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1642766MS

Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016

Instrument: 50MV3A
Lab File ID: A100616.B\C11.D

Parent Sample ID: MW-0503-S1(092716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
trans-1,3-Dichloropropene	50.0	ND	41.9	84	37-138

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1642767MSD

Lab File ID (2): A100616.B\C12.D Date Analyzed (2): 10/07/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	40.6	81	5	0-20	51-140
1,1,2,2-Tetrachloroethane	50.0	51.8	104	5	0-20	49-138
1,1,2-Trichloroethane	50.0	47.5	95	1	0-20	51-138
1,1,2-Trichlorotrifluoroethane	50.0	44.1	88	4	0-20	59-124
1,1-Dichloroethane	50.0	46.5	93	3	0-20	48-137
1,1-Dichloroethene	50.0	45.5	91	3	0-20	51-144
1,2,4-Trichlorobenzene	50.0	25.9	52	1	0-20	27-134
1,2-Dibromo-3-chloropropane	50.0	57.8	116	7	0-20	37-127
1,2-Dibromoethane (EDB)	50.0	48.6	97	2	0-20	52-134
1,2-Dichlorobenzene	50.0	27.7	55	2	0-20	38-138
1,2-Dichloroethane	50.0	43.4	87	1	0-20	44-144
1,2-Dichloropropane	50.0	49.7	99	3	0-20	56-138
1,3-Dichlorobenzene	50.0	23.5	47	2	0-20	36-139
1,4-Dichlorobenzene	50.0	22.7	45	3	0-20	34-134
2-Butanone (MEK)	250	305	122	7	0-20	44-142
2-Hexanone	250	303	121	5	0-20	43-150
4-Methyl-2-pentanone (MIBK)	250	278	111	4	0-20	46-143
Acetone	250	458	96	3	0-20	33-150
Benzene	50.0	42.9	86	3	0-20	51-140
Bromodichloromethane	50.0	48.8	98	4	0-20	46-137
Bromoform	50.0	46.3	93	3	0-20	36-127
Bromomethane	50.0	46.0	92	9	0-20	10-188
Carbon disulfide	50.0	44.9	90	3	0-20	35-148
Carbon tetrachloride	50.0	41.3	83	5	0-20	45-151
Chlorobenzene	50.0	30.5	61	1	0-20	45-138
Chloroethane	50.0	45.7	91	5	0-20	33-164
Chloroform	50.0	43.1	86	1	0-20	50-135
Chloromethane	50.0	46.6	93	5	0-20	38-146
Cyclohexane	50.0	45.3J	90		0-20	67-139
Dibromochloromethane	50.0	45.0	90	2	0-20	45-136
Dichlorodifluoromethane	50.0	53.1	106	5	0-20	29-174
Ethylbenzene	50.0	29.7	59	5	0-20	36-146
Isopropylbenzene (Cumene)	50.0	25.0	50	3	0-20	43-159
Methyl acetate	50.0	50.6	101	5	0-20	33-183
Methyl-tert-butyl ether	50.0	53.9	108	4	0-20	43-146
Methylcyclohexane	50.0	43.2J	86		0-20	60-140
Methylene Chloride	50.0	58.9	109	0	0-20	48-140
Styrene	50.0	31.9	64	6	0-20	31-148
Tetrachloroethene	50.0	27.9	56	5	0-20	38-139
Toluene	50.0	32.1	63	3	0-20	44-140
Trichloroethene	50.0	36.2	72	5	0-20	44-146
Trichlorofluoromethane	50.0	46.1	92	8	0-20	41-164
Vinyl chloride	50.0	50.2	100	4	0-20	43-166
Xylene (Total)	150	85.0	57	3	0-20	35-146
cis-1,2-Dichloroethene	50.0	45.6	91	6	0-20	43-144
cis-1,3-Dichloropropene	50.0	41.0	82	3	0-20	42-136
trans-1,2-Dichloroethene	50.0	45.0	90	5	0-20	50-139
trans-1,3-Dichloropropene	50.0	42.6	85	2	0-20	37-138

MSV - FORM III VOA-4

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1642767MSD

Lab File ID (2): A100616.B\C12.D Date Analyzed (2): 10/07/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.

RPD: 0 out of 46 outside limits.

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1642782MS
Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016
Instrument: 50MV3B
Lab File ID: B100616.B\D17.D
Parent Sample ID: MW-0603-S1(091716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	ND	41.0	82	51-140
1,1,2,2-Tetrachloroethane	50.0	ND	50.4	101	49-138
1,1,2-Trichloroethane	50.0	ND	49.2	98	51-138
1,1,2-Trichlorotrifluoroethane	50.0	ND	47.3	95	59-124
1,1-Dichloroethane	50.0	ND	45.7	91	48-137
1,1-Dichloroethene	50.0	ND	48.7	97	51-144
1,2,4-Trichlorobenzene	50.0	ND	21.0	42	27-134
1,2-Dibromo-3-chloropropane	50.0	ND	53.6	107	37-127
1,2-Dibromoethane (EDB)	50.0	ND	47.7	95	52-134
1,2-Dichlorobenzene	50.0	ND	23.8	48	38-138
1,2-Dichloroethane	50.0	ND	43.8	88	44-144
1,2-Dichloropropane	50.0	ND	47.5	95	56-138
1,3-Dichlorobenzene	50.0	ND	19.8	40	36-139
1,4-Dichlorobenzene	50.0	ND	19.6	39	34-134
2-Butanone (MEK)	250	ND	294	118	44-142
2-Hexanone	250	ND	305	122	43-150
4-Methyl-2-pentanone (MIBK)	250	ND	281	113	46-143
Acetone	250	ND	327	108	33-150
Benzene	50.0	ND	41.0	82	51-140
Bromodichloromethane	50.0	ND	46.2	92	46-137
Bromoform	50.0	ND	44.6	89	36-127
Bromomethane	50.0	ND	39.7	79	10-188
Carbon disulfide	50.0	ND	41.9	84	35-148
Carbon tetrachloride	50.0	ND	38.1	76	45-151
Chlorobenzene	50.0	ND	28.1	56	45-138
Chloroethane	50.0	ND	42.4	85	33-164
Chloroform	50.0	ND	41.2	82	50-135
Chloromethane	50.0	ND	38.7	77	38-146
Cyclohexane	50.0	ND	43.7J	86	67-139
Dibromochloromethane	50.0	ND	44.5	89	45-136
Dichlorodifluoromethane	50.0	ND	49.2	98	29-174
Ethylbenzene	50.0	ND	26.0	52	36-146
Isopropylbenzene (Cumene)	50.0	ND	20.7	41	43-159
Methyl acetate	50.0	ND	52.7	105	33-183
Methyl-tert-butyl ether	50.0	ND	53.8	108	43-146
Methylcyclohexane	50.0	ND	41.1J	82	60-140
Methylene Chloride	50.0	ND	56.7	104	48-140
Styrene	50.0	ND	28.0	56	31-148
Tetrachloroethene	50.0	ND	24.9	50	38-139
Toluene	50.0	ND	29.7	59	44-140
Trichloroethene	50.0	ND	37.0	72	44-146
Trichlorofluoromethane	50.0	ND	43.4	87	41-164
Vinyl chloride	50.0	ND	47.3	95	43-166
Xylene (Total)	150	ND	75.6	50	35-146
cis-1,2-Dichloroethene	50.0	ND	44.4	89	43-144
cis-1,3-Dichloropropene	50.0	ND	40.8	82	42-136
trans-1,2-Dichloroethene	50.0	ND	42.8	86	50-139

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1642782MS

Date Extracted: 10/07/2016
Date Analyzed (1): 10/07/2016

Instrument: 50MV3B
Lab File ID: B100616.B\D17.D

Parent Sample ID: MW-0603-S1(091716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
trans-1,3-Dichloropropene	50.0	ND	43.4	87	37-138

Spike Recovery: 1 out of 48 outside limits.

MSV - FORM III VOA-3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3B Matrix Spike Duplicate - Sample No: 1642783MSD

Lab File ID (2): B100616.B\D18.D Date Analyzed (2): 10/07/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	40.7	81	1	0-20	51-140
1,1,2,2-Tetrachloroethane	50.0	52.9	106	5	0-20	49-138
1,1,2-Trichloroethane	50.0	49.9	100	1	0-20	51-138
1,1,2-Trichlorotrifluoroethane	50.0	46.4	93	2	0-20	59-124
1,1-Dichloroethane	50.0	46.0	92	1	0-20	48-137
1,1-Dichloroethene	50.0	47.5	95	3	0-20	51-144
1,2,4-Trichlorobenzene	50.0	21.3	43	1	0-20	27-134
1,2-Dibromo-3-chloropropane	50.0	53.5	107	0	0-20	37-127
1,2-Dibromoethane (EDB)	50.0	47.5	95	0	0-20	52-134
1,2-Dichlorobenzene	50.0	24.4	49	2	0-20	38-138
1,2-Dichloroethane	50.0	42.2	84	4	0-20	44-144
1,2-Dichloropropane	50.0	47.8	96	1	0-20	56-138
1,3-Dichlorobenzene	50.0	20.2	40	2	0-20	36-139
1,4-Dichlorobenzene	50.0	19.3	39	2	0-20	34-134
2-Butanone (MEK)	250	303	121	3	0-20	44-142
2-Hexanone	250	307	123	1	0-20	43-150
4-Methyl-2-pentanone (MIBK)	250	287	115	2	0-20	46-143
Acetone	250	333	111	2	0-20	33-150
Benzene	50.0	41.8	84	2	0-20	51-140
Bromodichloromethane	50.0	47.4	95	3	0-20	46-137
Bromoform	50.0	46.1	92	3	0-20	36-127
Bromomethane	50.0	41.4	83	4	0-20	10-188
Carbon disulfide	50.0	42.0	84	0	0-20	35-148
Carbon tetrachloride	50.0	38.6	77	1	0-20	45-151
Chlorobenzene	50.0	27.7	55	1	0-20	45-138
Chloroethane	50.0	42.3	85	0	0-20	33-164
Chloroform	50.0	42.1	84	2	0-20	50-135
Chloromethane	50.0	38.9	78	1	0-20	38-146
Cyclohexane	50.0	42.6J	84		0-20	67-139
Dibromochloromethane	50.0	44.8	90	1	0-20	45-136
Dichlorodifluoromethane	50.0	51.0	102	4	0-20	29-174
Ethylbenzene	50.0	25.0	50	4	0-20	36-146
Isopropylbenzene (Cumene)	50.0	20.6	41	1	0-20	43-159
Methyl acetate	50.0	50.2	100	5	0-20	33-183
Methyl-tert-butyl ether	50.0	54.9	110	2	0-20	43-146
Methylcyclohexane	50.0	41.4J	83		0-20	60-140
Methylene Chloride	50.0	58.4	107	3	0-20	48-140
Styrene	50.0	27.9	56	0	0-20	31-148
Tetrachloroethene	50.0	24.3	49	3	0-20	38-139
Toluene	50.0	29.3	58	1	0-20	44-140
Trichloroethene	50.0	36.0	70	3	0-20	44-146
Trichlorofluoromethane	50.0	43.3	87	0	0-20	41-164
Vinyl chloride	50.0	47.5	95	0	0-20	43-166
Xylene (Total)	150	75.5	50	0	0-20	35-146
cis-1,2-Dichloroethene	50.0	44.3	89	0	0-20	43-144
cis-1,3-Dichloropropene	50.0	40.5	81	1	0-20	42-136
trans-1,2-Dichloroethene	50.0	42.7	85	0	0-20	50-139
trans-1,3-Dichloropropene	50.0	44.0	88	1	0-20	37-138

MSV - FORM III VOA-4

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3B Matrix Spike Duplicate - Sample No: 1642783MSD

Lab File ID (2): B100616.B\D18.D Date Analyzed (2): 10/07/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.

RPD: 0 out of 46 outside limits.

Spike Recovery: 1 out of 48 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1645431MS
Date Extracted: 10/11/2016
Date Analyzed (1): 10/11/2016
Instrument: 50MV3A
Lab File ID: A101016.B\C08.D
Parent Sample ID: MW-0619-S1(092716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	ND	38.9	78	51-140
1,1,2,2-Tetrachloroethane	50.0	ND	49.4	99	49-138
1,1,2-Trichloroethane	50.0	ND	48.3	97	51-138
1,1,2-Trichlorotrifluoroethane	50.0	ND	39.6	79	59-124
1,1-Dichloroethane	50.0	ND	44.0	88	48-137
1,1-Dichloroethene	50.0	ND	40.4	81	51-144
1,2,4-Trichlorobenzene	50.0	ND	29.1	58	27-134
1,2-Dibromo-3-chloropropane	50.0	ND	52.4	105	37-127
1,2-Dibromoethane (EDB)	50.0	ND	49.6	99	52-134
1,2-Dichlorobenzene	50.0	ND	31.3	63	38-138
1,2-Dichloroethane	50.0	ND	41.7	83	44-144
1,2-Dichloropropane	50.0	ND	48.6	97	56-138
1,3-Dichlorobenzene	50.0	ND	28.1	56	36-139
1,4-Dichlorobenzene	50.0	ND	27.3	55	34-134
2-Butanone (MEK)	250	ND	282	113	44-142
2-Hexanone	250	ND	301	121	43-150
4-Methyl-2-pentanone (MIBK)	250	ND	281	112	46-143
Acetone	250	ND	286	92	33-150
Benzene	50.0	ND	41.9	84	51-140
Bromodichloromethane	50.0	ND	47.3	95	46-137
Bromoform	50.0	ND	43.6	87	36-127
Bromomethane	50.0	ND	37.7	75	10-188
Carbon disulfide	50.0	ND	37.2	74	35-148
Carbon tetrachloride	50.0	ND	39.2	78	45-151
Chlorobenzene	50.0	ND	34.3	69	45-138
Chloroethane	50.0	ND	37.0	74	33-164
Chloroform	50.0	ND	43.3	87	50-135
Chloromethane	50.0	ND	35.6	71	38-146
Cyclohexane	50.0	ND	42.5J	83	67-139
Dibromochloromethane	50.0	ND	45.2	90	45-136
Dichlorodifluoromethane	50.0	ND	37.9	76	29-174
Ethylbenzene	50.0	ND	33.7	67	36-146
Isopropylbenzene (Cumene)	50.0	ND	30.7	61	43-159
Methyl acetate	50.0	ND	55.8	112	33-183
Methyl-tert-butyl ether	50.0	ND	47.1	94	43-146
Methylcyclohexane	50.0	ND	44.1J	88	60-140
Methylene Chloride	50.0	ND	51.1	101	48-140
Styrene	50.0	ND	36.5	73	31-148
Tetrachloroethene	50.0	ND	31.2	62	38-139
Toluene	50.0	ND	35.6	70	44-140
Trichloroethene	50.0	202	188	-29	44-146
Trichlorofluoromethane	50.0	ND	39.2	78	41-164
Vinyl chloride	50.0	ND	39.9	78	43-166
Xylene (Total)	150	ND	100	67	35-146
cis-1,2-Dichloroethene	50.0	50.0	84.4	69	43-144
cis-1,3-Dichloropropene	50.0	ND	42.1	84	42-136
trans-1,2-Dichloroethene	50.0	ND	43.8	83	50-139

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1645431MS
Date Extracted: 10/11/2016
Date Analyzed (1): 10/11/2016
Instrument: 50MV3A
Lab File ID: A101016.B\C08.D
Parent Sample ID: MW-0619-S1(092716)PDB
SDG No.: 50155366

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
trans-1,3-Dichloropropene	50.0	ND	43.9	88	37-138

Spike Recovery: 1 out of 48 outside limits.

MSV - FORM III VOA-3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1645432MSD

Lab File ID (2): A101016.B\C09.D Date Analyzed (2): 10/11/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	38.4	77	1	0-20	51-140
1,1,2,2-Tetrachloroethane	50.0	51.9	104	5	0-20	49-138
1,1,2-Trichloroethane	50.0	47.6	95	1	0-20	51-138
1,1,2-Trichlorotrifluoroethane	50.0	38.6	77	3	0-20	59-124
1,1-Dichloroethane	50.0	43.2	86	2	0-20	48-137
1,1-Dichloroethene	50.0	37.3	75	8	0-20	51-144
1,2,4-Trichlorobenzene	50.0	32.3	65	10	0-20	27-134
1,2-Dibromo-3-chloropropane	50.0	53.9	108	3	0-20	37-127
1,2-Dibromoethane (EDB)	50.0	49.6	99	0	0-20	52-134
1,2-Dichlorobenzene	50.0	34.9	70	11	0-20	38-138
1,2-Dichloroethane	50.0	43.4	87	4	0-20	44-144
1,2-Dichloropropane	50.0	50.7	101	4	0-20	56-138
1,3-Dichlorobenzene	50.0	30.9	62	10	0-20	36-139
1,4-Dichlorobenzene	50.0	29.8	60	9	0-20	34-134
2-Butanone (MEK)	250	290	116	3	0-20	44-142
2-Hexanone	250	306	123	2	0-20	43-150
4-Methyl-2-pentanone (MIBK)	250	285	114	1	0-20	46-143
Acetone	250	269	85	6	0-20	33-150
Benzene	50.0	42.1	84	1	0-20	51-140
Bromodichloromethane	50.0	50.0	100	6	0-20	46-137
Bromoform	50.0	47.6	95	9	0-20	36-127
Bromomethane	50.0	37.1	74	2	0-20	10-188
Carbon disulfide	50.0	37.2	74	0	0-20	35-148
Carbon tetrachloride	50.0	39.1	78	0	0-20	45-151
Chlorobenzene	50.0	35.3	71	3	0-20	45-138
Chloroethane	50.0	35.9	72	3	0-20	33-164
Chloroform	50.0	42.7	85	2	0-20	50-135
Chloromethane	50.0	34.4	69	4	0-20	38-146
Cyclohexane	50.0	41.7J	81		0-20	67-139
Dibromochloromethane	50.0	46.1	92	2	0-20	45-136
Dichlorodifluoromethane	50.0	37.1	74	2	0-20	29-174
Ethylbenzene	50.0	34.8	70	3	0-20	36-146
Isopropylbenzene (Cumene)	50.0	32.2	64	5	0-20	43-159
Methyl acetate	50.0	55.8	112	0	0-20	33-183
Methyl-tert-butyl ether	50.0	49.4	99	5	0-20	43-146
Methylcyclohexane	50.0	43.7J	87		0-20	60-140
Methylene Chloride	50.0	54.4	108	6	0-20	48-140
Styrene	50.0	37.7	75	3	0-20	31-148
Tetrachloroethene	50.0	31.0	62	1	0-20	38-139
Toluene	50.0	34.7	69	2	0-20	44-140
Trichloroethene	50.0	182	-41	3	0-20	44-146
Trichlorofluoromethane	50.0	38.8	78	1	0-20	41-164
Vinyl chloride	50.0	40.2	78	1	0-20	43-166
Xylene (Total)	150	102	68	2	0-20	35-146
cis-1,2-Dichloroethene	50.0	85.0	70	1	0-20	43-144
cis-1,3-Dichloropropene	50.0	43.3	87	3	0-20	42-136
trans-1,2-Dichloroethene	50.0	43.8	82	0	0-20	50-139
trans-1,3-Dichloropropene	50.0	45.6	91	4	0-20	37-138

MSV - FORM III VOA-4

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1645432MSD

Lab File ID (2): A101016.B\C09.D Date Analyzed (2): 10/11/2016

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.

RPD: 0 out of 46 outside limits.

Spike Recovery: 1 out of 48 outside limits.

SAMPLE NO.

1642749BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3B Matrix: Water Lab Sample ID: 1642749

Lab File ID: B100616.B\B03MBW.D Date Analyzed: 10/06/2016 Time: 13:48

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1642750LCS	1642750	B100616.B\B02LCSW.D	10/06/2016 13:16
TB-1(092716)RW	50155366001	B100616.B\B04.D	10/06/2016 14:20
MW-0607-S1(092716)PDB	50155366002	B100616.B\B05.D	10/06/2016 14:52
MW-0613-S1(092716)PDB	50155366003	B100616.B\B06.D	10/06/2016 15:24
EB-2(092716)RW	50155366004	B100616.B\B07.D	10/06/2016 15:56
MW-0609-S1(092716)PDB	50155366005	B100616.B\B08.D	10/06/2016 16:29
MW-0610-S1(092716)PDB	50155366006	B100616.B\B09.D	10/06/2016 17:00
MW-0602-S1(092716)PDB	50155366007	B100616.B\B10.D	10/06/2016 17:33
MW-0705-S1(092716)PDB	50155366008	B100616.B\B11.D	10/06/2016 18:05
MW-0612-S1(092716)PDB	50155366009	B100616.B\B12.D	10/06/2016 18:37
MW-0606-S1(092716)PDB	50155366010	B100616.B\B13.D	10/06/2016 19:09
MW-0704-S1(092716)PDB	50155366011	B100616.B\B14.D	10/06/2016 19:41
MW-0618-S1(092716)PDB	50155366012	B100616.B\B15.D	10/06/2016 20:13
MW-0608-S1(092716)PDB	50155366013	B100616.B\B16.D	10/06/2016 20:45
MW-0501-S1(092716)PDB	50155366014	B100616.B\B17.D	10/06/2016 21:17
MW-0509-S1(092716)PDB	50155366015	B100616.B\B18.D	10/06/2016 21:49
MW-0102-S1U(092716)PDB	50155366016	B100616.B\B19.D	10/06/2016 22:21
1642751MS	1642751	B100616.B\B21.D	10/06/2016 23:25
1642752MSD	1642752	B100616.B\B22.D	10/06/2016 23:57

SAMPLE NO.

1642764BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3A Matrix: Water Lab Sample ID: 1642764

Lab File ID: A100616.B\C03MBW.D Date Analyzed: 10/07/2016 Time: 01:49

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1642765LCS	1642765	A100616.B\C02LCSW.D	10/07/2016 01:17
MW-0506-S1(092716)PDB	50155366028	A100616.B\C06.D	10/07/2016 03:25
EB-1(092716)RW	50155366029	A100616.B\C07.D	10/07/2016 03:57
MW-0617-S1(092716)PDB	50155366030	A100616.B\C08.D	10/07/2016 04:29
MW-0507-S1(092716)PDB	50155366031	A100616.B\C09.D	10/07/2016 05:01
MW-0503-S1(092716)PDB	50155366032	A100616.B\C10.D	10/07/2016 05:33
1642766MS	1642766	A100616.B\C11.D	10/07/2016 06:05
1642767MSD	1642767	A100616.B\C12.D	10/07/2016 06:37
MW-0517-S1(092716)PDB	50155366033	A100616.B\C13.D	10/07/2016 07:09
MW-0604-S1(092716)PDB	50155366034	A100616.B\C14.D	10/07/2016 07:41
MW-0101-S1U(092716)PDB	50155366035	A100616.B\C15.D	10/07/2016 08:13
FD-1(092716)RW	50155366036	A100616.B\C16.D	10/07/2016 08:45
MW-0502-S1(091716)PDB	50155366037	A100616.B\C17.D	10/07/2016 09:17
MW-0516-S1(091716)PDB	50155366038	A100616.B\C18.D	10/07/2016 09:49
MW-0517-S1(092716)PDB	50155366033	A101016.B\C13.D	10/11/2016 04:11
MW-0604-S1(092716)PDB	50155366034	A101016.B\C14.D	10/11/2016 04:43
MW-0101-S1U(092716)PDB	50155366035	A101016.B\C15.D	10/11/2016 05:15
FD-1(092716)RW	50155366036	A101016.B\C16.D	10/11/2016 05:48

SAMPLE NO.

1642780BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3B Matrix: Water Lab Sample ID: 1642780

Lab File ID: B100616.B\D03MBW.D Date Analyzed: 10/07/2016 Time: 02:05

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1642781LCS	1642781	B100616.B\D02LCSW.D	10/07/2016 01:33
MW-0103-S1U(092716)PDB	50155366018	B100616.B\D06.D	10/07/2016 03:41
MW-0623-S1(092716)PDB	50155366019	B100616.B\D07.D	10/07/2016 04:13
MW-0622-S1(092716)PDB	50155366020	B100616.B\D08.D	10/07/2016 04:45
MW-0620-S1(092716)PDB	50155366021	B100616.B\D09.D	10/07/2016 05:17
MW-0605-S1(092716)PDB	50155366022	B100616.B\D10.D	10/07/2016 05:49
TB-2(092716)RW	50155366023	B100616.B\D11.D	10/07/2016 06:21
FD-2(092716)RW	50155366024	B100616.B\D12.D	10/07/2016 06:53
MW-0621-S1(092716)PDB	50155366025	B100616.B\D13.D	10/07/2016 07:25
MW-0505-S1(092716)PDB	50155366026	B100616.B\D14.D	10/07/2016 07:57
MW-0504-S1(092716)PDB	50155366027	B100616.B\D15.D	10/07/2016 08:29
MW-0603-S1(091716)PDB	50155366039	B100616.B\D16.D	10/07/2016 09:01
1642782MS	1642782	B100616.B\D17.D	10/07/2016 09:33
1642783MSD	1642783	B100616.B\D18.D	10/07/2016 10:05

SAMPLE NO.

1645429BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Instrument ID: 50MV3A Matrix: Water Lab Sample ID: 1645429

Lab File ID: A101016.B\C03MBW.D Date Analyzed: 10/10/2016 Time: 22:52

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1645430LCS	1645430	A101016.B\C02LCSW.D	10/10/2016 22:20
MW-0619-S1(092716)PDB	50155366017	A101016.B\C07.D	10/11/2016 01:00
1645431MS	1645431	A101016.B\C08.D	10/11/2016 01:32
1645432MSD	1645432	A101016.B\C09.D	10/11/2016 02:04

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5
Lab File ID: A092816CAL.B\A00BFB.D BFB Injection Date: 09/28/2016
Instrument ID: 50MV3A BFB Injection Time: 17:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	21.85	
75	30.00 - 60.00% of mass 95	51.00	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.67	
173	Less than 2.00% of mass 174	0.87	(1.02)[1]
174	50.00 - 100.00% of mass 95	85.74	
175	5.00 - 9.00% of mass 174	6.51	(7.59)[1]
176	95.00 - 101.00% of mass 174	84.47	(98.52)[1]
177	5.00 - 9.00% of mass 176	5.70	(6.75)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10402752CAL1	10402752CAL1	A092816CAL.B\A01CAL.D	09/28/2016	18:30
10402756CAL2	10402756CAL2	A092816CAL.B\A02CAL.D	09/28/2016	19:03
10402748CAL3	10402748CAL3	A092816CAL.B\A03CAL.D	09/28/2016	19:34
10402755CAL4	10402755CAL4	A092816CAL.B\A04CAL.D	09/28/2016	20:06
10402751CAL5	10402751CAL5	A092816CAL.B\A05CAL.D	09/28/2016	20:39
10402759CAL6	10402759CAL6	A092816CAL.B\A06CAL.D	09/28/2016	21:11
10402753CAL7	10402753CAL7	A092816CAL.B\A07CAL.D	09/28/2016	21:43
10402754CAL8	10402754CAL8	A092816CAL.B\A08CAL.D	09/28/2016	22:15
10402758ICV	10402758ICV	A092816CAL.B\A10ICV.D	09/28/2016	23:19

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5
Lab File ID: A100616.B\C00BFB.D BFB Injection Date: 10/07/2016
Instrument ID: 50MV3A BFB Injection Time: 00:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	20.81	
75	30.00 - 60.00% of mass 95	49.27	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.70	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	75.46	
175	5.00 - 9.00% of mass 174	5.93	(7.86)[1]
176	95.00 - 101.00% of mass 174	72.36	(95.90)[1]
177	5.00 - 9.00% of mass 176	4.81	(6.65)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10432865CCV	10432865CCV	A100616.B\C01CCV.D	10/07/2016	00:45
1642765LCS	1642765LCS	A100616.B\C02LCSW.D	10/07/2016	01:17
1642764BLANK	1642764BLANK	A100616.B\C03MBW.D	10/07/2016	01:49
MW-0506-S1(092716)PDB	50155366028	A100616.B\C06.D	10/07/2016	03:25
EB-1(092716)RW	50155366029	A100616.B\C07.D	10/07/2016	03:57
MW-0617-S1(092716)PDB	50155366030	A100616.B\C08.D	10/07/2016	04:29
MW-0507-S1(092716)PDB	50155366031	A100616.B\C09.D	10/07/2016	05:01
MW-0503-S1(092716)PDB	50155366032	A100616.B\C10.D	10/07/2016	05:33
1642766MS	1642766MS	A100616.B\C11.D	10/07/2016	06:05
1642767MSD	1642767MSD	A100616.B\C12.D	10/07/2016	06:37
MW-0517-S1(092716)PDB	50155366033	A100616.B\C13.D	10/07/2016	07:09
MW-0604-S1(092716)PDB	50155366034	A100616.B\C14.D	10/07/2016	07:41
MW-0101-S1U(092716)PDB	50155366035	A100616.B\C15.D	10/07/2016	08:13
FD-1(092716)RW	50155366036	A100616.B\C16.D	10/07/2016	08:45
MW-0502-S1(091716)PDB	50155366037	A100616.B\C17.D	10/07/2016	09:17
MW-0516-S1(091716)PDB	50155366038	A100616.B\C18.D	10/07/2016	09:49

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5
Lab File ID: B081616CAL.B\B00BFB.D BFB Injection Date: 08/16/2016
Instrument ID: 50MV3B BFB Injection Time: 10:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	16.65	
75	30.00 - 60.00% of mass 95	46.76	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.75	
173	Less than 2.00% of mass 174	0.29	(0.34)[1]
174	50.00 - 100.00% of mass 95	85.67	
175	5.00 - 9.00% of mass 174	6.50	(7.59)[1]
176	95.00 - 101.00% of mass 174	81.56	(95.21)[1]
177	5.00 - 9.00% of mass 176	5.32	(6.52)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10188638CAL1	10188638CAL1	B081616CAL.B\B01CAL.D	08/16/2016	10:36
10188643CAL2	10188643CAL2	B081616CAL.B\B02CAL.D	08/16/2016	11:08
10188654CAL3	10188654CAL3	B081616CAL.B\B03CAL.D	08/16/2016	11:40
10188637CAL4	10188637CAL4	B081616CAL.B\B04CAL.D	08/16/2016	12:12
10188639CAL5	10188639CAL5	B081616CAL.B\B05CAL.D	08/16/2016	12:44
10188636CAL6	10188636CAL6	B081616CAL.B\B06CAL.D	08/16/2016	13:16
10188645CAL7	10188645CAL7	B081616CAL.B\B07CAL.D	08/16/2016	13:48
10188642CAL8	10188642CAL8	B081616CAL.B\B08CAL.D	08/16/2016	14:20
10188651ICV	10188651ICV	B081616CAL.B\B10ICV.D	08/16/2016	15:25

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5
Lab File ID: B100616.B\B00BFB.D BFB Injection Date: 10/06/2016
Instrument ID: 50MV3B BFB Injection Time: 12:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	20.56	
75	30.00 - 60.00% of mass 95	49.84	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.72	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	76.75	
175	5.00 - 9.00% of mass 174	5.40	(7.03)[1]
176	95.00 - 101.00% of mass 174	75.16	(97.94)[1]
177	5.00 - 9.00% of mass 176	5.06	(6.74)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10433599CCV	10433599CCV	B100616.B\B01CCV.D	10/06/2016	12:44
1642750LCS	1642750LCS	B100616.B\B02LCSW.D	10/06/2016	13:16
1642749BLANK	1642749BLANK	B100616.B\B03MBW.D	10/06/2016	13:48
TB-1(092716)RW	50155366001	B100616.B\B04.D	10/06/2016	14:20
MW-0607-S1(092716)PDB	50155366002	B100616.B\B05.D	10/06/2016	14:52
MW-0613-S1(092716)PDB	50155366003	B100616.B\B06.D	10/06/2016	15:24
EB-2(092716)RW	50155366004	B100616.B\B07.D	10/06/2016	15:56
MW-0609-S1(092716)PDB	50155366005	B100616.B\B08.D	10/06/2016	16:29
MW-0610-S1(092716)PDB	50155366006	B100616.B\B09.D	10/06/2016	17:00
MW-0602-S1(092716)PDB	50155366007	B100616.B\B10.D	10/06/2016	17:33
MW-0705-S1(092716)PDB	50155366008	B100616.B\B11.D	10/06/2016	18:05
MW-0612-S1(092716)PDB	50155366009	B100616.B\B12.D	10/06/2016	18:37
MW-0606-S1(092716)PDB	50155366010	B100616.B\B13.D	10/06/2016	19:09
MW-0704-S1(092716)PDB	50155366011	B100616.B\B14.D	10/06/2016	19:41
MW-0618-S1(092716)PDB	50155366012	B100616.B\B15.D	10/06/2016	20:13
MW-0608-S1(092716)PDB	50155366013	B100616.B\B16.D	10/06/2016	20:45
MW-0501-S1(092716)PDB	50155366014	B100616.B\B17.D	10/06/2016	21:17
MW-0509-S1(092716)PDB	50155366015	B100616.B\B18.D	10/06/2016	21:49
MW-0102-S1U(092716)PDB	50155366016	B100616.B\B19.D	10/06/2016	22:21
1642751MS	1642751MS	B100616.B\B21.D	10/06/2016	23:25
1642752MSD	1642752MSD	B100616.B\B22.D	10/06/2016	23:57

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5
Lab File ID: B100616.B\D00BFB.D BFB Injection Date: 10/07/2016
Instrument ID: 50MV3B BFB Injection Time: 00:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	20.30	
75	30.00 - 60.00% of mass 95	48.01	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.73	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	78.20	
175	5.00 - 9.00% of mass 174	5.52	(7.06)[1]
176	95.00 - 101.00% of mass 174	75.32	(96.31)[1]
177	5.00 - 9.00% of mass 176	5.18	(6.88)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
10433595CCV	10433595CCV	B100616.B\D01CCV.D	10/07/2016	01:01
1642781LCS	1642781LCS	B100616.B\D02LCSW.D	10/07/2016	01:33
1642780BLANK	1642780BLANK	B100616.B\D03MBW.D	10/07/2016	02:05
MW-0103-S1U(092716)PDB	50155366018	B100616.B\D06.D	10/07/2016	03:41
MW-0623-S1(092716)PDB	50155366019	B100616.B\D07.D	10/07/2016	04:13
MW-0622-S1(092716)PDB	50155366020	B100616.B\D08.D	10/07/2016	04:45
MW-0620-S1(092716)PDB	50155366021	B100616.B\D09.D	10/07/2016	05:17
MW-0605-S1(092716)PDB	50155366022	B100616.B\D10.D	10/07/2016	05:49
TB-2(092716)RW	50155366023	B100616.B\D11.D	10/07/2016	06:21
FD-2(092716)RW	50155366024	B100616.B\D12.D	10/07/2016	06:53
MW-0621-S1(092716)PDB	50155366025	B100616.B\D13.D	10/07/2016	07:25
MW-0505-S1(092716)PDB	50155366026	B100616.B\D14.D	10/07/2016	07:57
MW-0504-S1(092716)PDB	50155366027	B100616.B\D15.D	10/07/2016	08:29
MW-0603-S1(091716)PDB	50155366039	B100616.B\D16.D	10/07/2016	09:01
1642782MS	1642782MS	B100616.B\D17.D	10/07/2016	09:33
1642783MSD	1642783MSD	B100616.B\D18.D	10/07/2016	10:05

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Sample ID : 10432865CCV Date Analyzed: 10/07/2016

Instrument ID: 50MV3A GC Column: Col 1 Time Analyzed: 00:45

Lab File ID: A100616.B\C01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		314039	7.342	136235	8.843	458620	4.164
UPPER LIMIT		628078	7.842	272470	9.343	917240	4.664
LOWER LIMIT		157019.5	6.842	68117.5	8.343	229310	3.664
LAB SAMPLE ID	SAMPLE NO.						
1642764	1642764BLANK	296846	7.343	132738	8.844	450564	4.165
1642765	1642765LCS	312845	7.342	142505	8.843	470510	4.169
1642766	1642766MS	313673	7.347	139115	8.842	463629	4.164
1642767	1642767MSD	310364	7.343	138227	8.839	459138	4.165
50155366028	MW-0506-S1(092716)PDB	300496	7.342	134101	8.843	440129	4.164
50155366029	EB-1(092716)RW	304701	7.343	131715	8.844	461546	4.165
50155366030	MW-0617-S1(092716)PDB	302055	7.342	132747	8.843	439401	4.164
50155366031	MW-0507-S1(092716)PDB	297286	7.342	128687	8.842	440486	4.164
50155366032	MW-0503-S1(092716)PDB	304250	7.342	132744	8.843	454433	4.164
50155366033	MW-0517-S1(092716)PDB	307218	7.345	131543	8.84	449161	4.167
50155366034	MW-0604-S1(092716)PDB	309715	7.345	137162	8.841	460380	4.167
50155366035	MW-0101-S1U(092716)PDB	301837	7.347	134504	8.842	448380	4.169
50155366036	FD-1(092716)RW	301921	7.342	128524	8.843	444121	4.164
50155366037	MW-0502-S1(091716)PDB	308713	7.345	127451	8.84	472322	4.167
50155366038	MW-0516-S1(091716)PDB	300564	7.343	130395	8.844	443636	4.165

CBZ = Chlorobenzene-D5 (IS)
DCB = 1,4-Dichlorobenzene-d4 (IS)
FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
AREA LOWER LIMIT = 50% of Internal Standard Area
RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Sample ID : 10514971CCV Date Analyzed: 10/10/2016

Instrument ID: 50MV3A GC Column: Col 1 Time Analyzed: 21:48

Lab File ID: A101016.B\C01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		273048	7.342	121942	8.843	433455	4.164
UPPER LIMIT		546096	7.842	243884	9.343	866910	4.664
LOWER LIMIT		136524	6.842	60971	8.343	216727.5	3.664
LAB SAMPLE ID	SAMPLE NO.						
1645429	1645429BLANK	271766	7.342	114887	8.843	407751	4.164
1645430	1645430LCS	274570	7.343	122248	8.839	420688	4.165
1645431	1645431MS	274747	7.345	124236	8.841	422861	4.167
1645432	1645432MSD	286381	7.344	126112	8.84	430149	4.166
50155366005	MW-0609-S1(092716)PDB	283207	7.342	120219	8.843	422731	4.164
50155366009	MW-0612-S1(092716)PDB	275073	7.344	115553	8.839	411289	4.166
50155366016	MW-0102-S1U(092716)PDB	268390	7.344	114188	8.839	418408	4.166
50155366017	MW-0619-S1(092716)PDB	275248	7.345	115940	8.841	417017	4.167
50155366020	MW-0622-S1(092716)PDB	266851	7.344	112315	8.84	401391	4.167
50155366024	FD-2(092716)RW	254788	7.345	107214	8.841	396075	4.167
50155366025	MW-0621-S1(092716)PDB	258134	7.343	105008	8.838	393268	4.17
50155366033	MW-0517-S1(092716)PDB	264611	7.344	108670	8.839	403918	4.166
50155366034	MW-0604-S1(092716)PDB	259312	7.342	108718	8.842	402098	4.164
50155366035	MW-0101-S1U(092716)PDB	266874	7.342	111735	8.843	403485	4.164
50155366036	FD-1(092716)RW	263122	7.344	111930	8.84	395572	4.167

CBZ = Chlorobenzene-D5 (IS)
DCB = 1,4-Dichlorobenzene-d4 (IS)
FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
AREA LOWER LIMIT = 50% of Internal Standard Area
RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Sample ID : 10433599CCV Date Analyzed: 10/06/2016

Instrument ID: 50MV3B GC Column: Col 1 Time Analyzed: 12:44

Lab File ID: B100616.B\B01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		297871	7.347	147038	8.843	424639	4.174
UPPER LIMIT		595742	7.847	294076	9.343	849278	4.674
LOWER LIMIT		148935.5	6.847	73519	8.343	212319.5	3.674
LAB SAMPLE ID	SAMPLE NO.						
1642749	1642749BLANK	279840	7.347	135052	8.843	379841	4.175
1642750	1642750LCS	302776	7.345	147929	8.84	427091	4.172
1642751	1642751MS	288404	7.347	143888	8.842	409763	4.174
1642752	1642752MSD	275218	7.345	140007	8.841	397513	4.178
50155366001	TB-1(092716)RW	283781	7.344	138855	8.84	388433	4.172
50155366002	MW-0607-S1(092716)PDB	288952	7.344	140233	8.84	391018	4.171
50155366003	MW-0613-S1(092716)PDB	276017	7.348	131920	8.843	376333	4.175
50155366004	EB-2(092716)RW	281824	7.348	135808	8.843	375637	4.175
50155366005	MW-0609-S1(092716)PDB	282908	7.344	138557	8.839	388040	4.171
50155366006	MW-0610-S1(092716)PDB	296212	7.344	144005	8.839	395716	4.171
50155366007	MW-0602-S1(092716)PDB	285965	7.344	138654	8.84	391475	4.172
50155366008	MW-0705-S1(092716)PDB	276956	7.344	136874	8.839	377032	4.171
50155366009	MW-0612-S1(092716)PDB	273302	7.348	133255	8.843	381172	4.175
50155366010	MW-0606-S1(092716)PDB	277960	7.344	136692	8.84	388939	4.172
50155366011	MW-0704-S1(092716)PDB	285933	7.348	137461	8.844	389370	4.175
50155366012	MW-0618-S1(092716)PDB	278145	7.348	133506	8.843	374576	4.175
50155366013	MW-0608-S1(092716)PDB	277154	7.348	133803	8.843	382523	4.17
50155366014	MW-0501-S1(092716)PDB	278858	7.347	131719	8.843	368640	4.175
50155366015	MW-0509-S1(092716)PDB	280470	7.343	136285	8.838	380429	4.176
50155366016	MW-0102-S1U(092716)PDB	284278	7.347	134792	8.843	389043	4.175

CBZ = Chlorobenzene-D5 (IS)
DCB = 1,4-Dichlorobenzene-d4 (IS)
FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
AREA LOWER LIMIT = 50% of Internal Standard Area
RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50155366 Contract: Former GM Delco Plant 5

Sample ID : 10433595CCV Date Analyzed: 10/07/2016

Instrument ID: 50MV3B GC Column: Col 1 Time Analyzed: 01:01

Lab File ID: B100616.B\D01CCV.D

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		293417	7.343	143788	8.839	411644	4.17
UPPER LIMIT		586834	7.843	287576	9.339	823288	4.67
LOWER LIMIT		146708.5	6.843	71894	8.339	205822	3.67
LAB SAMPLE ID	SAMPLE NO.						
1642780	1642780BLANK	287537	7.345	139388	8.84	391183	4.172
1642781	1642781LCS	290740	7.344	143658	8.839	412981	4.171
1642782	1642782MS	288006	7.344	139840	8.84	408761	4.172
1642783	1642783MSD	284953	7.343	138775	8.838	400668	4.176
50155366018	MW-0103-S1U(092716)PDB	282101	7.344	137169	8.84	389180	4.171
50155366019	MW-0623-S1(092716)PDB	280944	7.345	132988	8.84	389551	4.172
50155366020	MW-0622-S1(092716)PDB	284719	7.345	135796	8.84	386118	4.172
50155366021	MW-0620-S1(092716)PDB	279220	7.344	138726	8.839	393438	4.171
50155366022	MW-0605-S1(092716)PDB	276909	7.344	135147	8.84	377266	4.172
50155366023	TB-2(092716)RW	284909	7.348	134914	8.838	391422	4.175
50155366024	FD-2(092716)RW	282258	7.343	137120	8.838	397186	4.176
50155366025	MW-0621-S1(092716)PDB	285117	7.342	135788	8.843	389396	4.17
50155366026	MW-0505-S1(092716)PDB	282775	7.343	134610	8.839	387270	4.176
50155366027	MW-0504-S1(092716)PDB	283903	7.345	131911	8.84	388247	4.172
50155366039	MW-0603-S1(091716)PDB	280989	7.347	133366	8.842	385383	4.174

CBZ = Chlorobenzene-D5 (IS)
DCB = 1,4-Dichlorobenzene-d4 (IS)
FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
AREA LOWER LIMIT = 50% of Internal Standard Area
RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

SAMPLE NO.

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-1(092716)RW

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 14:20 Lab Sample ID: 50155366001

Date Analyzed: 10/06/2016 14:20 Lab File ID: B100616.B\B04.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	10.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-1(092716)RW

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 14:20 Lab Sample ID: 50155366001

Date Analyzed: 10/06/2016 14:20 Lab File ID: B100616.B\B04.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b04.d
Lab Smp Id: 50155366001
Inj Date : 06-OCT-2016 14:20
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366001
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

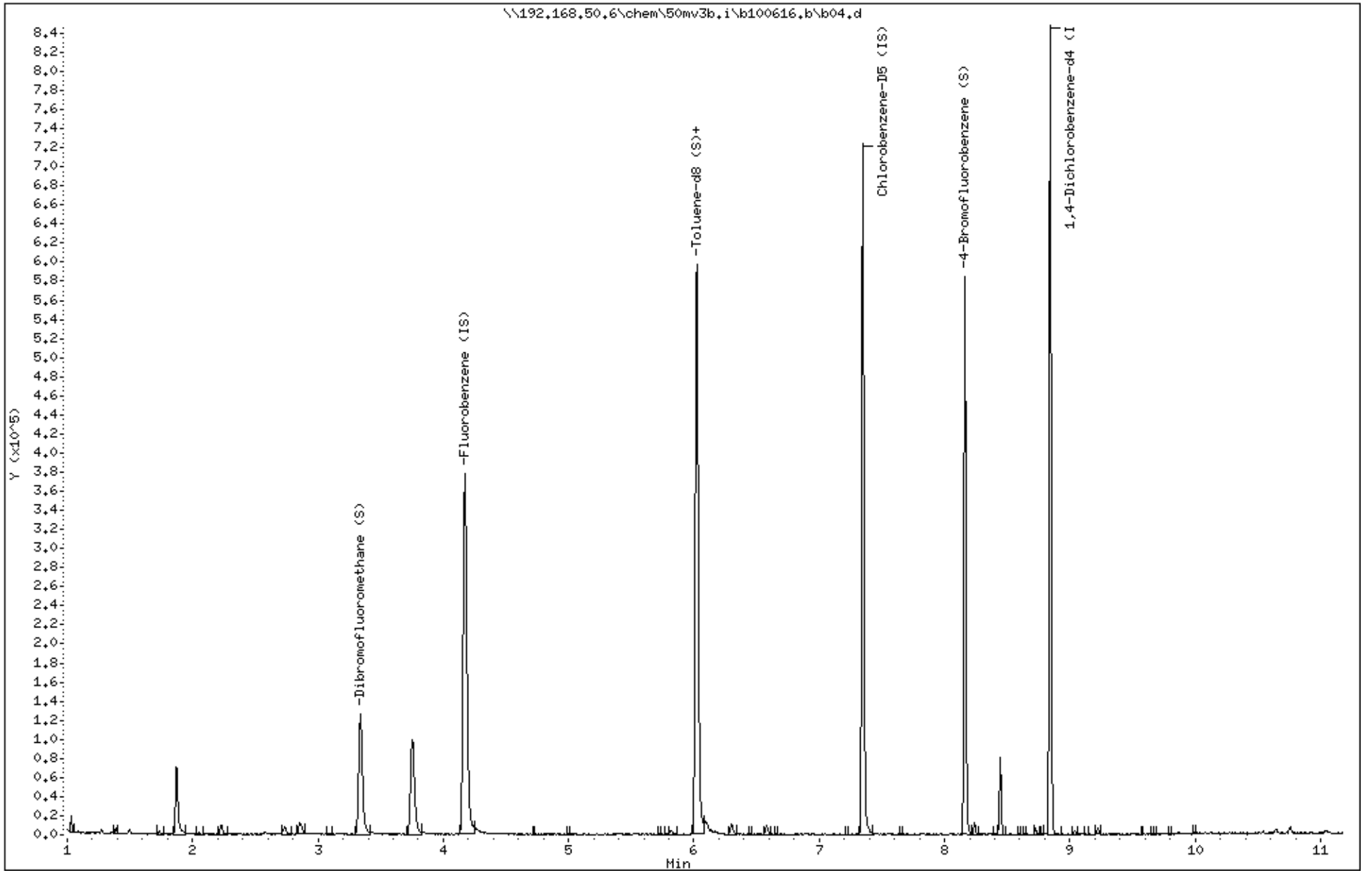
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
18 Methylene Chloride	84	1.869	1.872	(0.448)	23532	10.0640	10.1	
$ 35 Dibromofluoromethane (S)	113	3.343	3.341	(0.802)	83707	46.8061	46.8	
* 44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	388433	50.0000		
$ 55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	388735	46.3696	46.4	
56 Toluene	91	6.099	6.097	(0.831)	5076	0.48713	0.487	
* 65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	283781	50.0000		
$ 74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	134394	50.9280	50.9	
* 88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	138855	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b04.d
Date : 06-OCT-2016 14:20
Client ID:
Sample Info: 50155366001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b04.d

Date : 06-OCT-2016 14:20

Client ID:

Instrument: 50mv3b.i

Sample Info: 50155366001

Purge Volume: 5.0

Operator: jlz

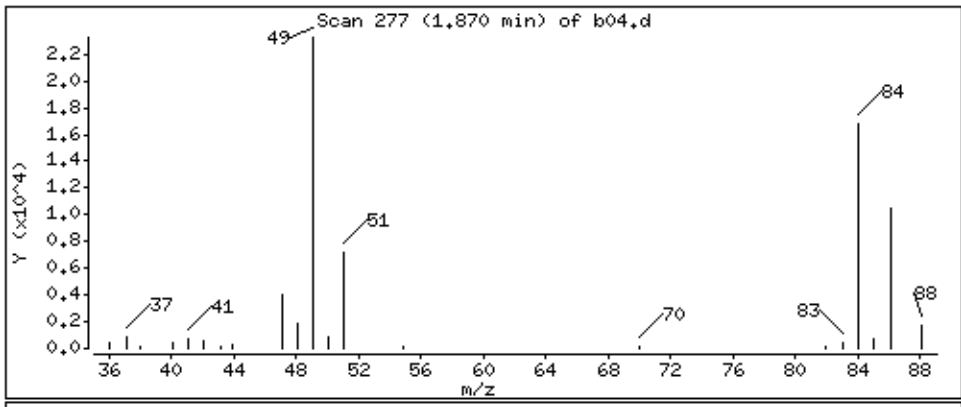
Column phase: DB-624

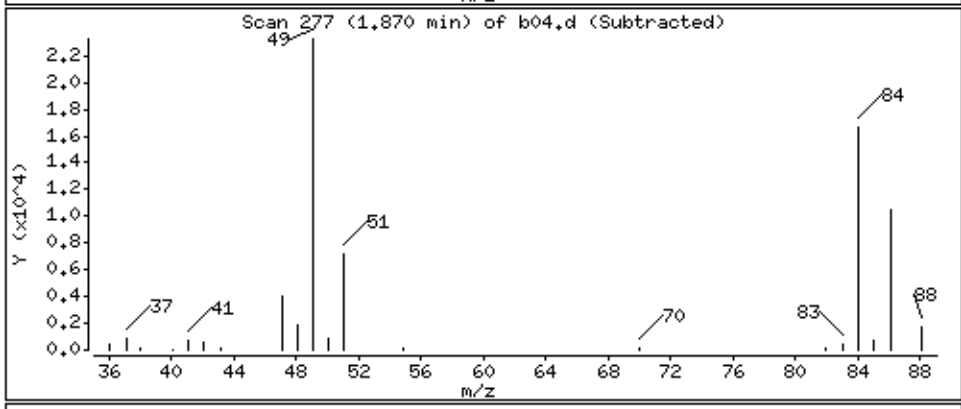
Column diameter: 0.18

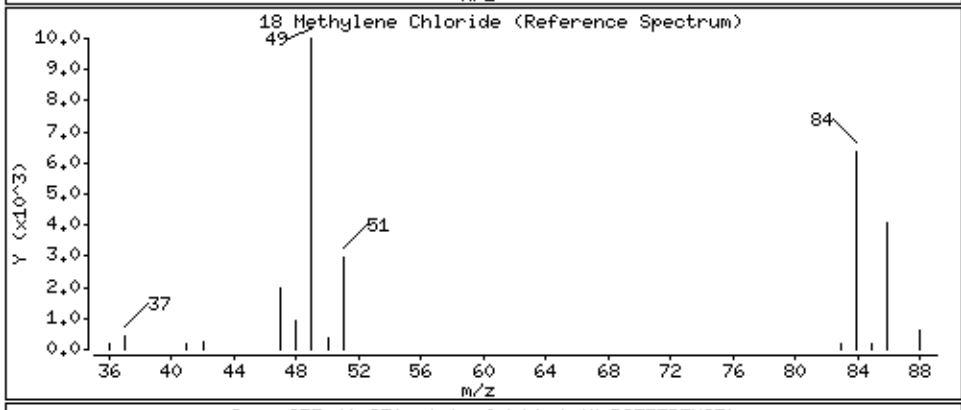
18 Methylene Chloride

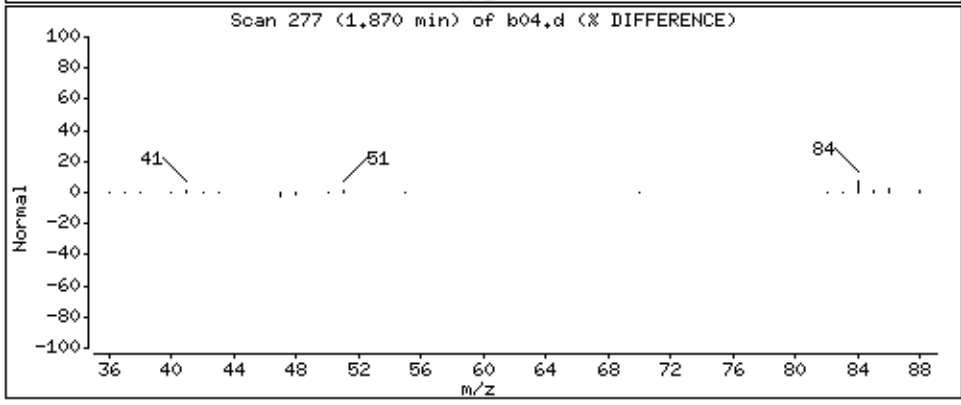
Concentration: 10.1 ppb

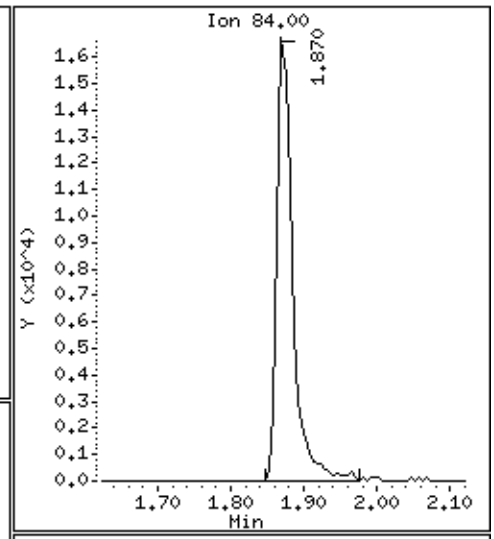
Review Code:

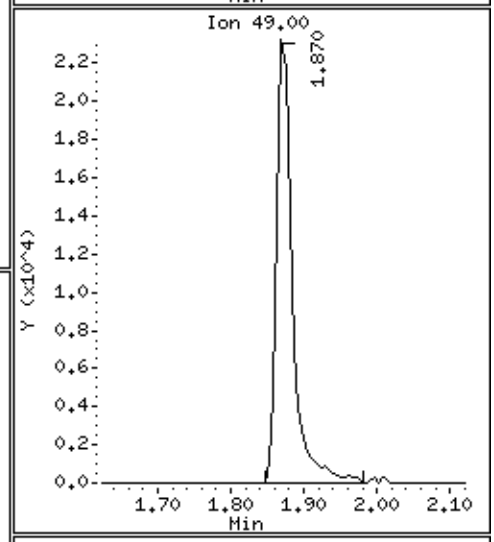


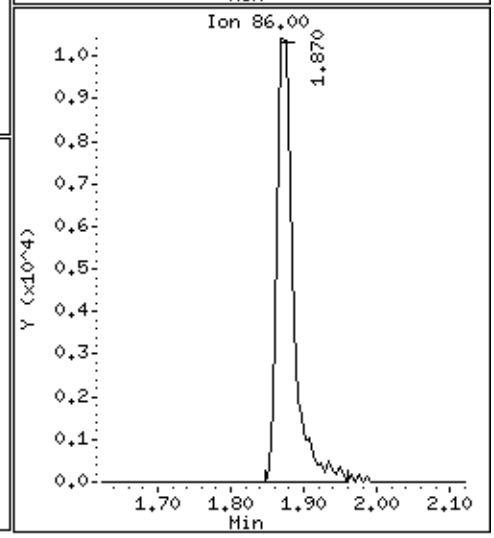












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b04.d

Date : 06-OCT-2016 14:20

Client ID:

Instrument: 50mv3b.i

Sample Info: 50155366001

Purge Volume: 5.0

Operator: jlz

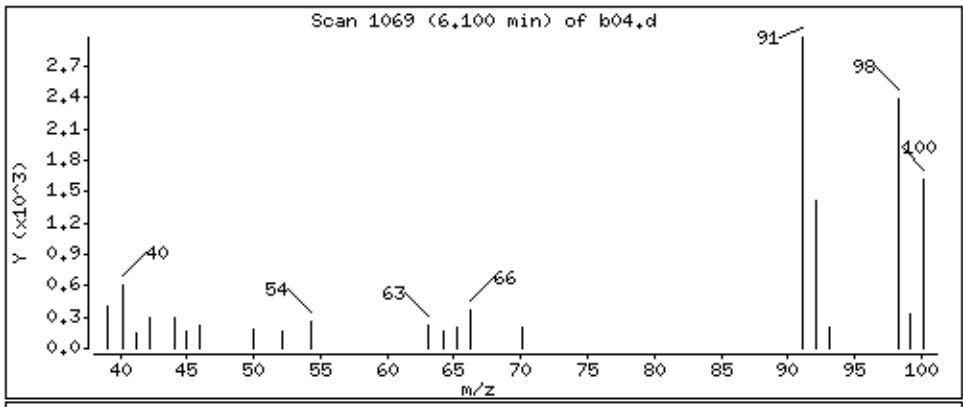
Column phase: DB-624

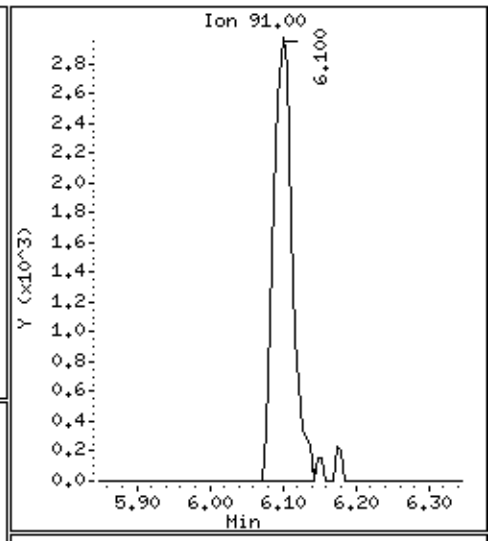
Column diameter: 0.18

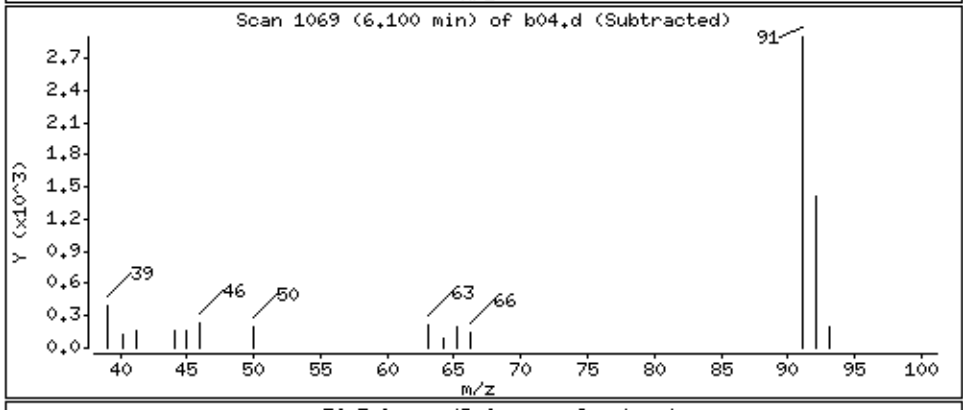
56 Toluene

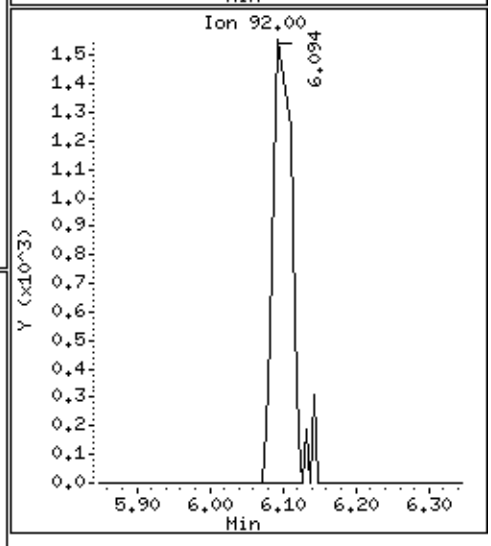
Concentration: 0.487 ppb

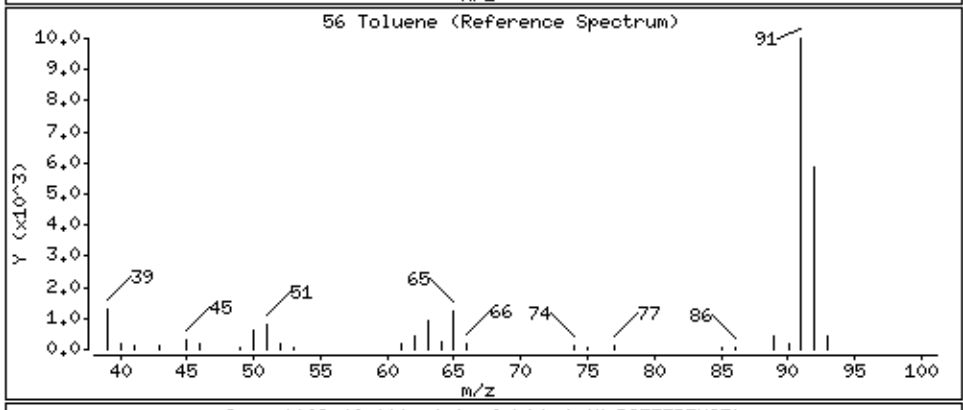
Review Code:

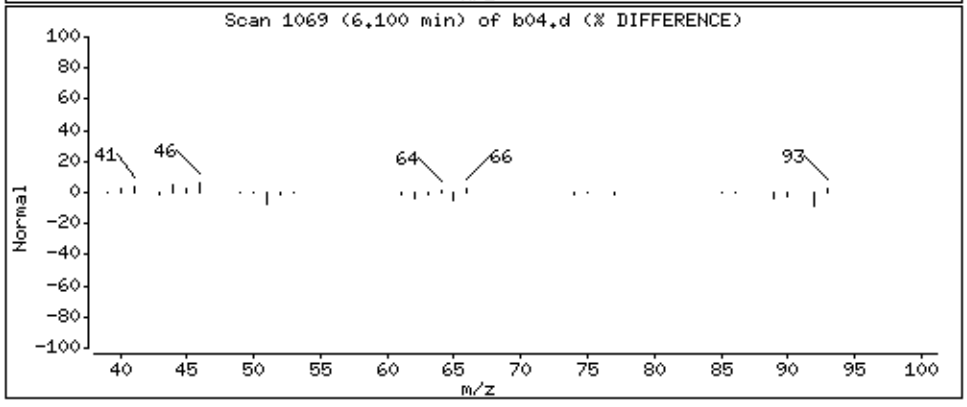












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Injection Date: 06-OCT-2016 14:20
Instrument: 50mv3b.i
Lab Sample ID: 50155366001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0607-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 14:52 Lab Sample ID: 50155366002

Date Analyzed: 10/06/2016 14:52 Lab File ID: B100616.B\B05.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.2	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0607-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 14:52 Lab Sample ID: 50155366002

Date Analyzed: 10/06/2016 14:52 Lab File ID: B100616.B\B05.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b05.d
Lab Smp Id: 50155366002 Client Smp ID: MW-0607-S1(092716)P
Inj Date : 06-OCT-2016 14:52
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366002
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

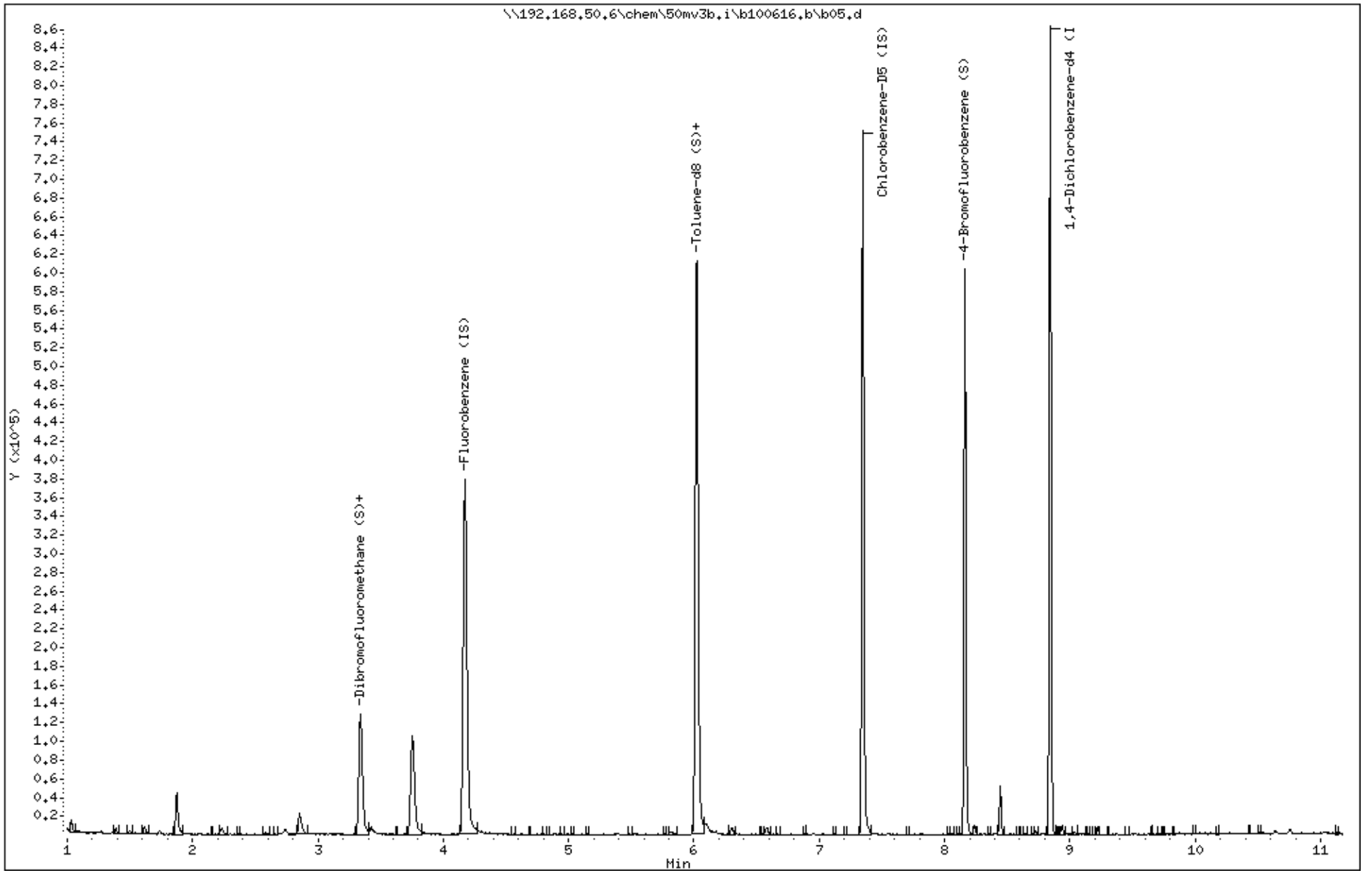
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.613	1.610	(0.387)	8153	22.5537	22.6	
	18 Methylene Chloride	84	1.874	1.872	(0.449)	14484	5.15823	5.16	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	87183	48.4275	48.4	
	37 Cyclohexane	56	3.423	3.426	(0.821)	2824	0.71263	0.713	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	391018	50.0000		
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	396615	46.4629	46.5	
	56 Toluene	91	6.104	6.097	(0.831)	3904	0.36795	0.368	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	288952	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	138011	51.3628	51.4	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	140233	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b05.d
Date : 06-OCT-2016 14:52
Client ID: MW-0607-S1(092716)P
Sample Info: 50155366002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



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Date : 06-OCT-2016 14:52

Client ID: MW-0607-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366002

Purge Volume: 5.0

Operator: jlz

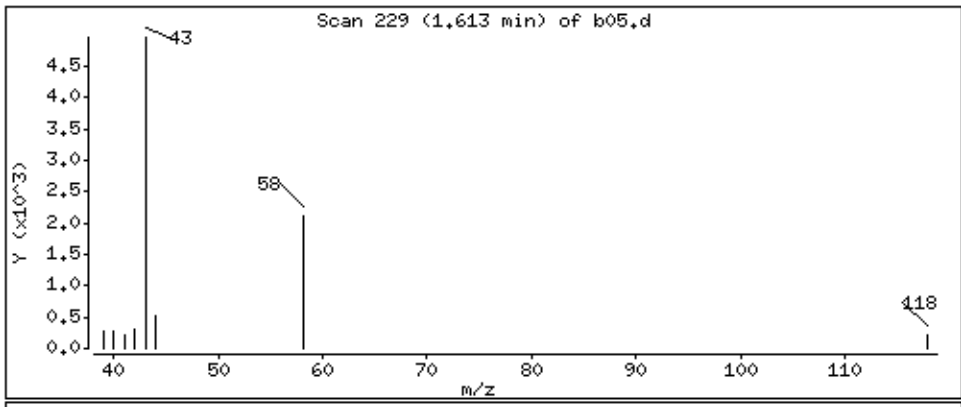
Column phase: DB-624

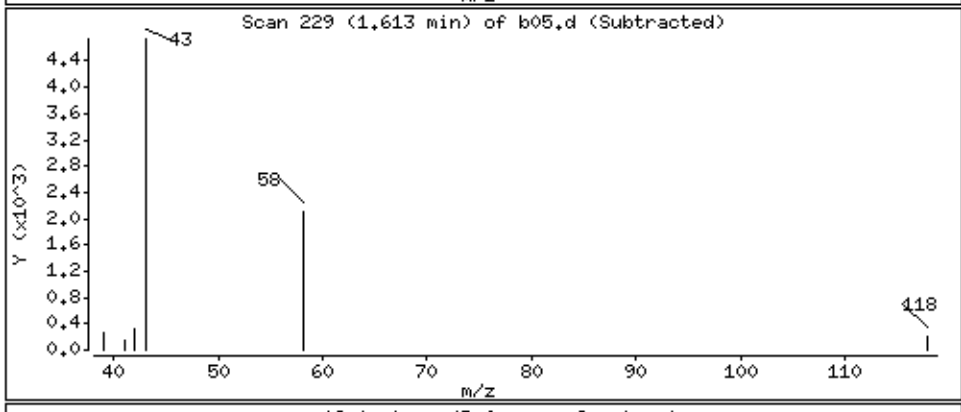
Column diameter: 0.18

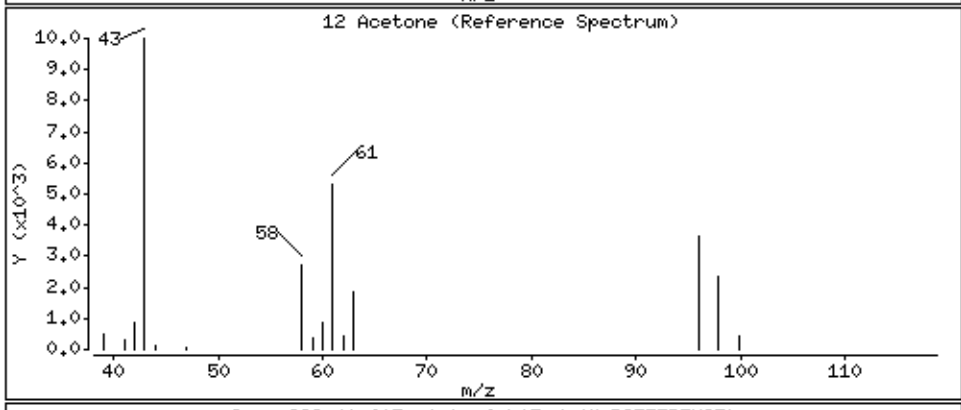
12 Acetone

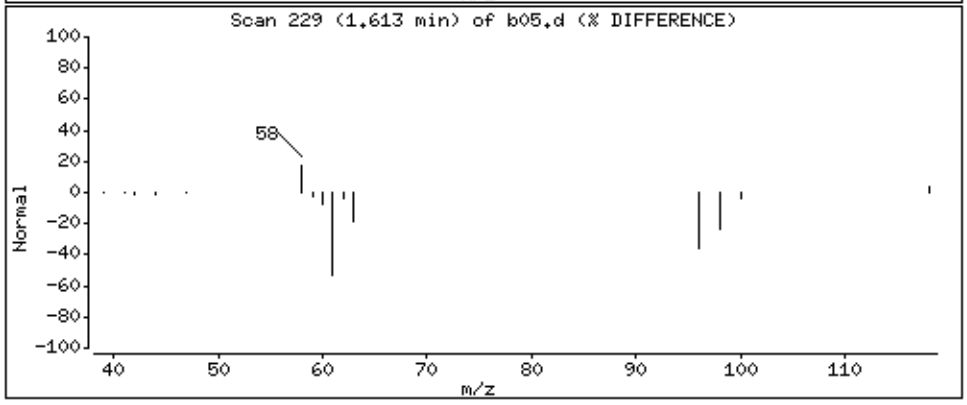
Concentration: 22.6 ppb

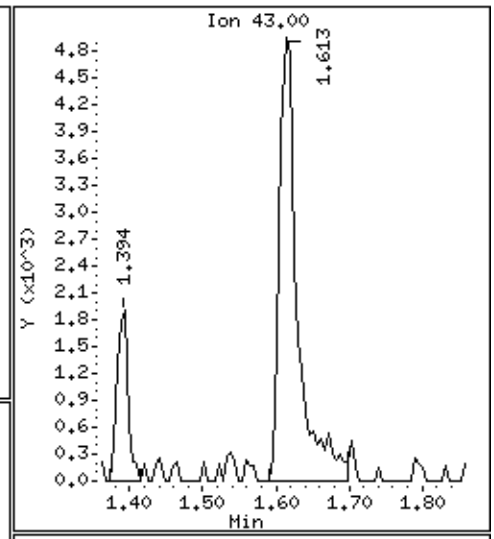
Review Code:

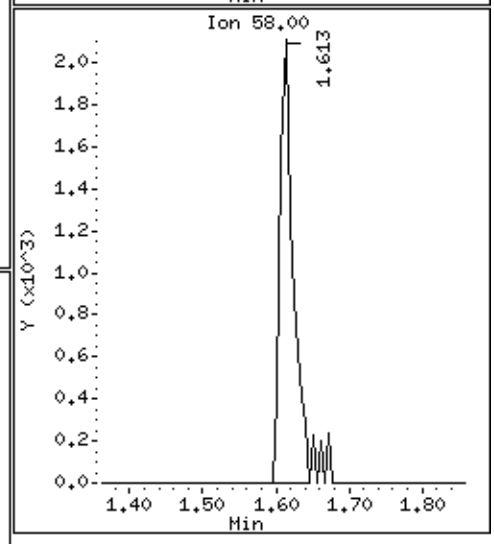












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b05.d

Date : 06-OCT-2016 14:52

Client ID: MW-0607-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366002

Purge Volume: 5.0

Operator: jlz

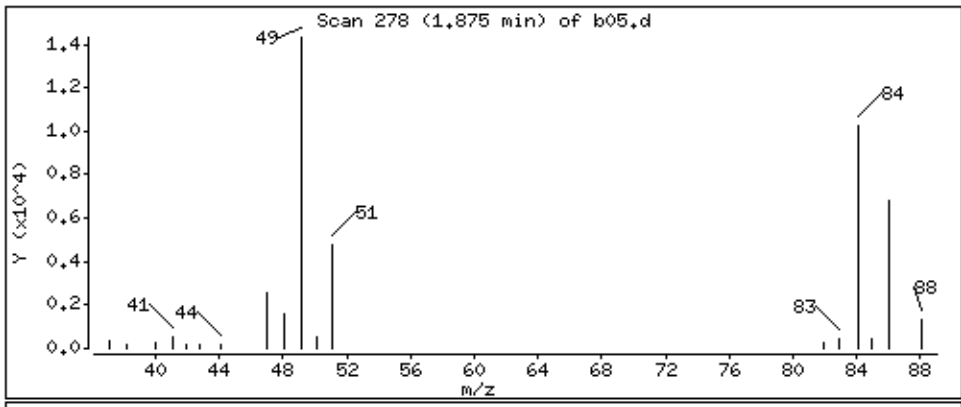
Column phase: DB-624

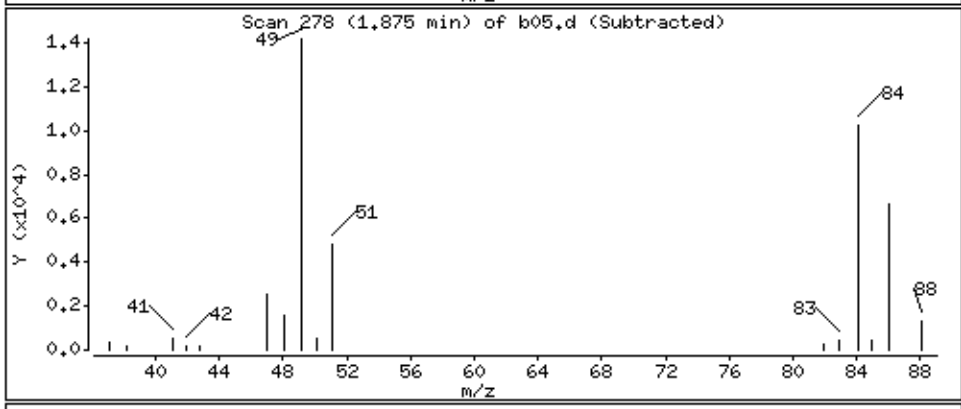
Column diameter: 0.18

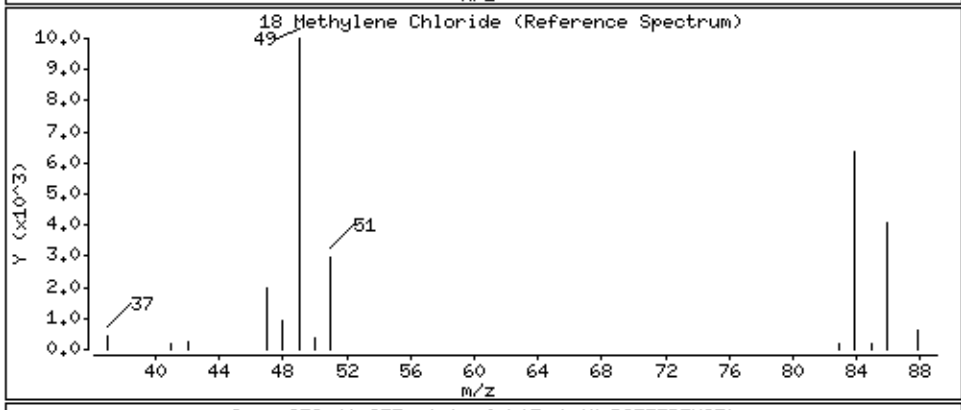
18 Methylene Chloride

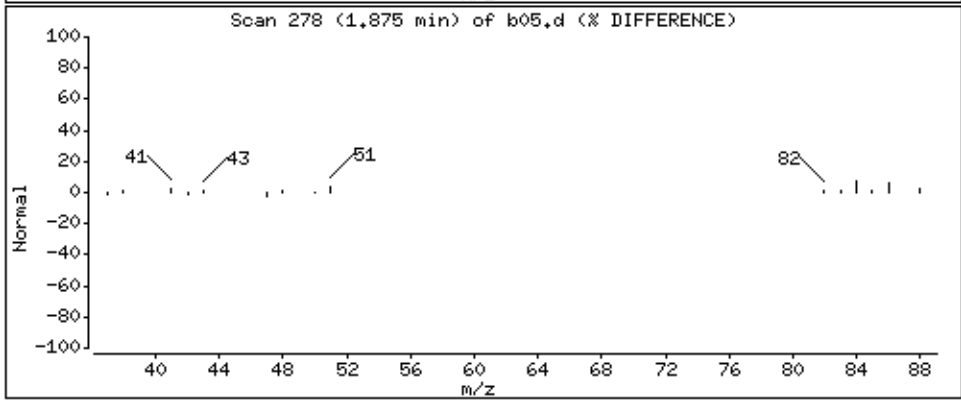
Concentration: 5.16 ppb

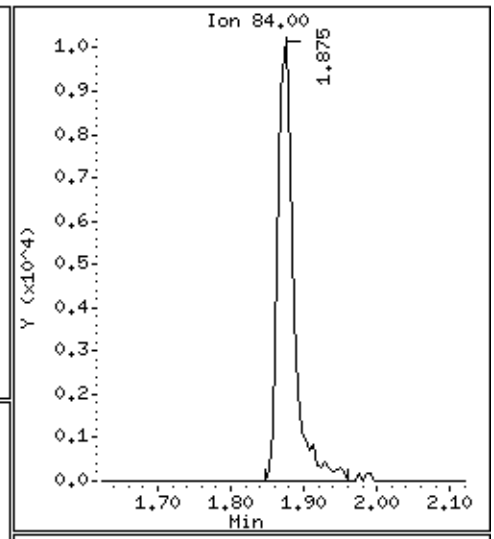
Review Code:

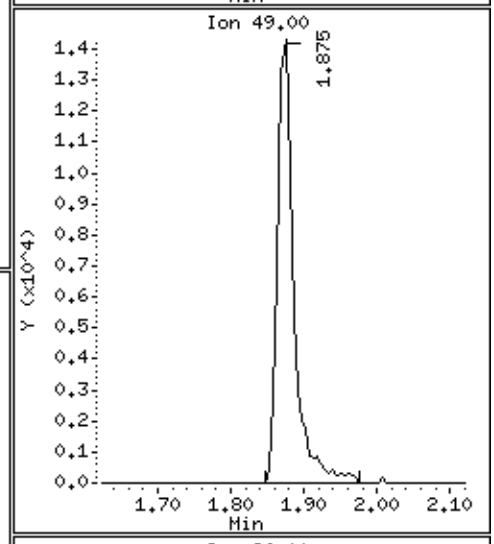


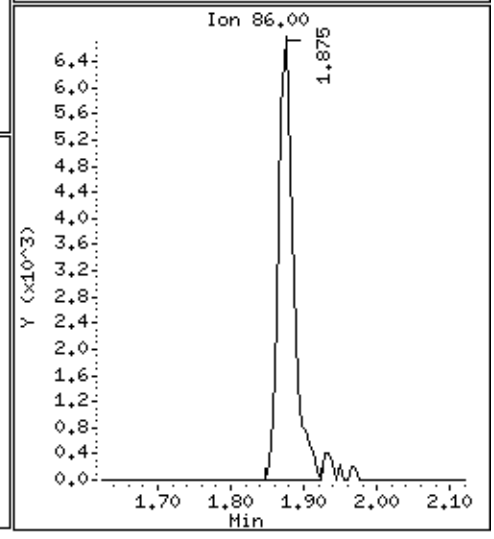












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b05.d

Date : 06-OCT-2016 14:52

Client ID: MW-0607-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366002

Purge Volume: 5.0

Operator: jlz

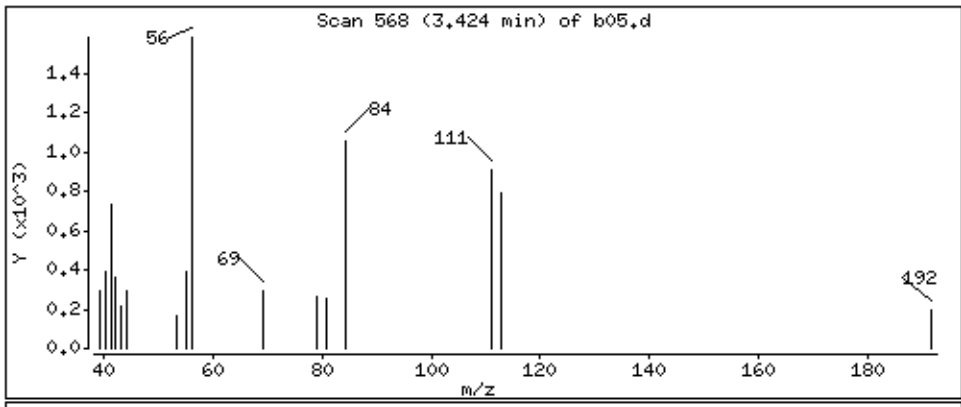
Column phase: DB-624

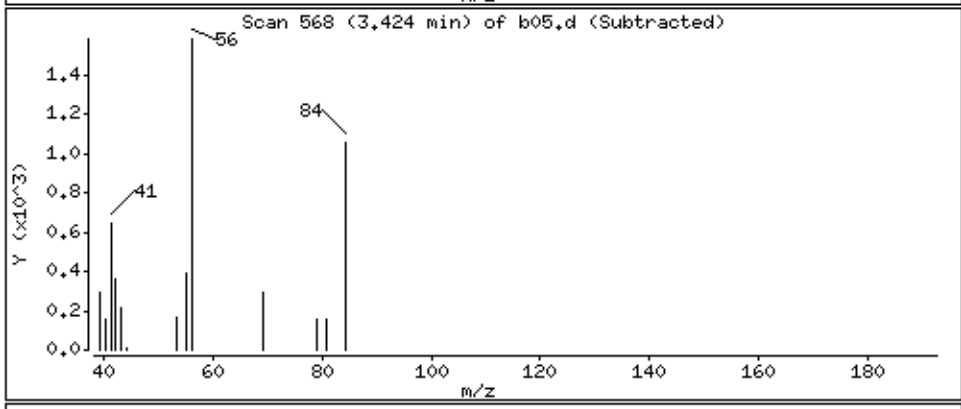
Column diameter: 0.18

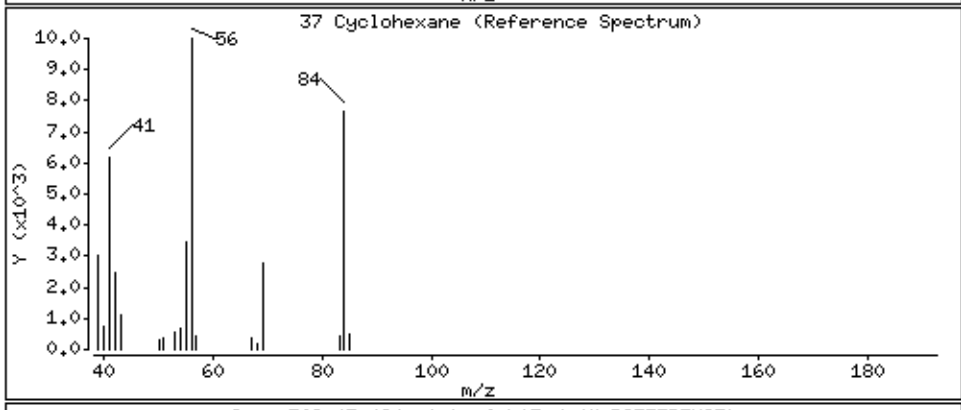
37 Cyclohexane

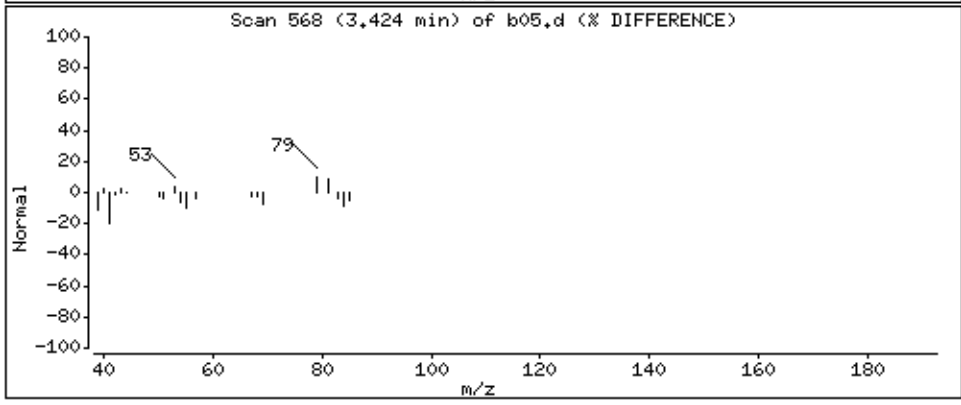
Concentration: 0.713 ppb

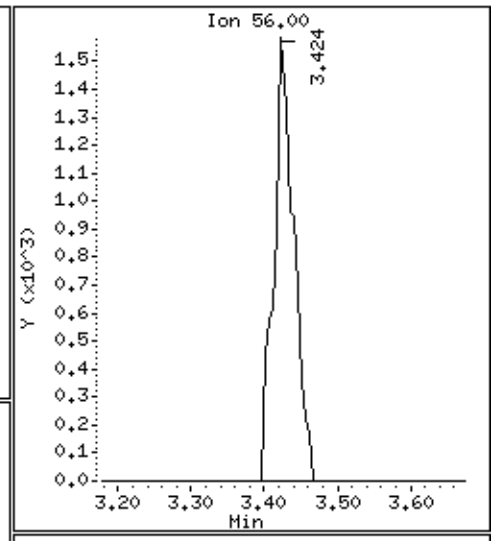
Review Code:

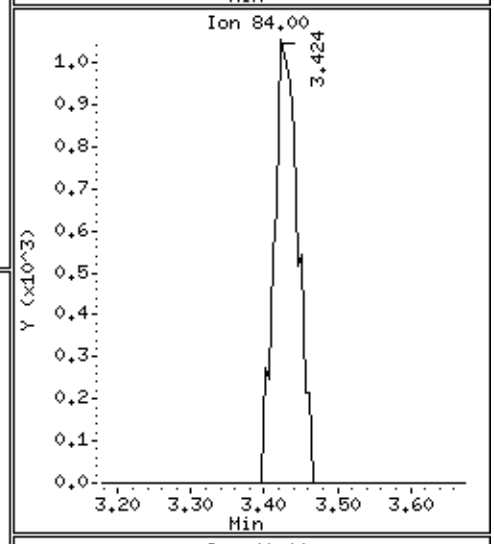


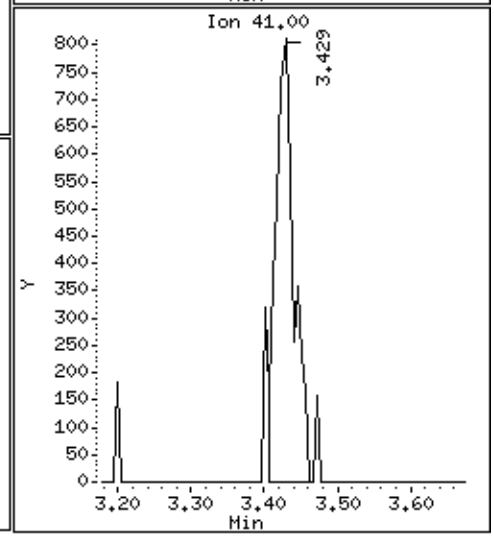












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b05.d

Date : 06-OCT-2016 14:52

Client ID: MW-0607-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366002

Purge Volume: 5.0

Operator: jlz

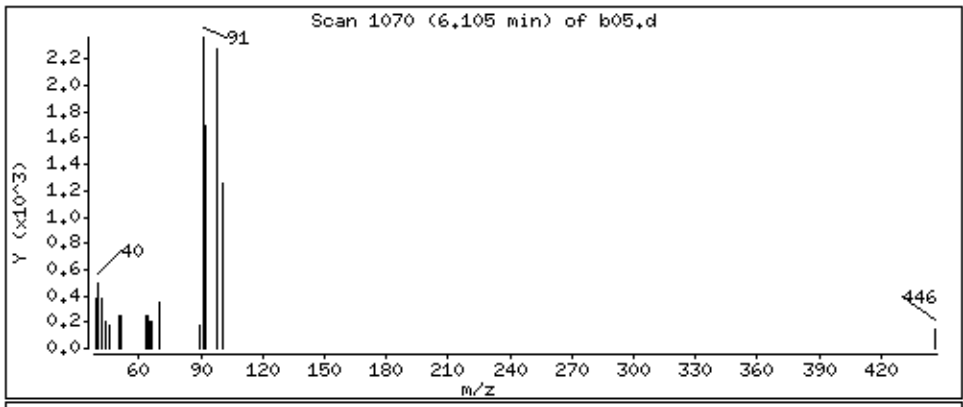
Column phase: DB-624

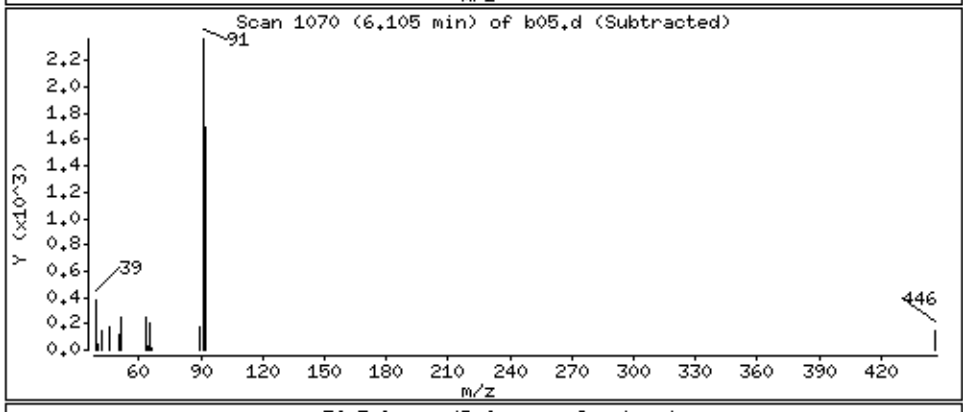
Column diameter: 0.18

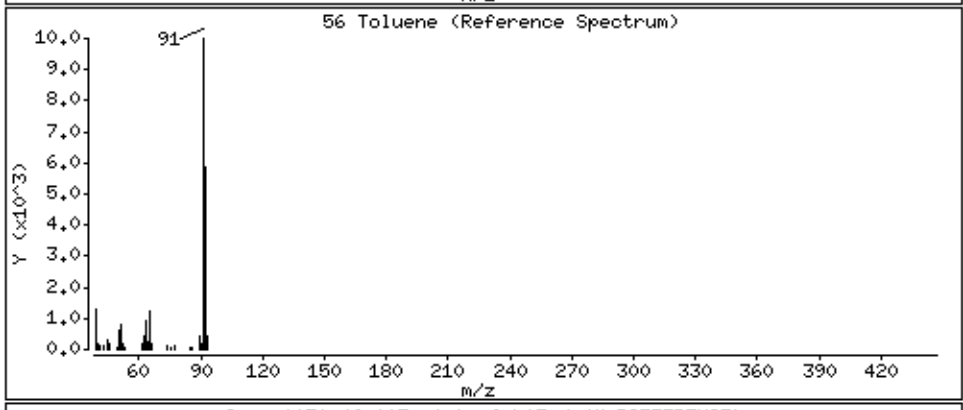
56 Toluene

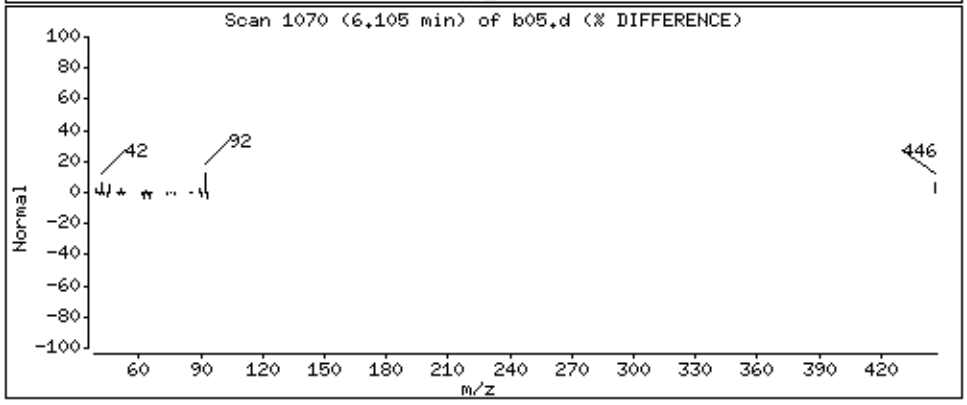
Concentration: 0.368 ppb

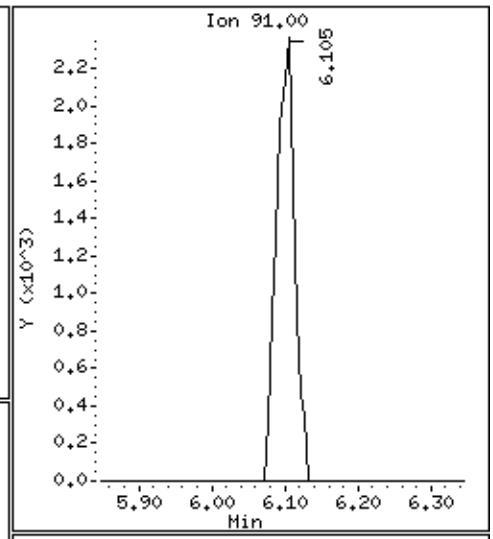
Review Code:

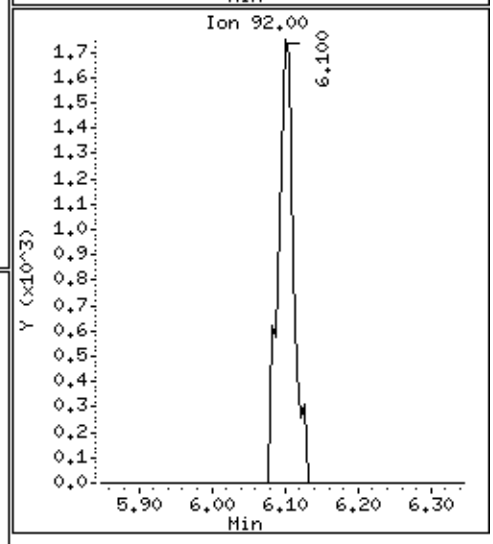












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b05.d
Injection Date: 06-OCT-2016 14:52
Instrument: 50mv3b.i
Lab Sample ID: 50155366002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0613-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 15:24 Lab Sample ID: 50155366003

Date Analyzed: 10/06/2016 15:24 Lab File ID: B100616.B\B06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0613-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 15:24 Lab Sample ID: 50155366003

Date Analyzed: 10/06/2016 15:24 Lab File ID: B100616.B\B06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b06.d
Lab Smp Id: 50155366003 Client Smp ID: MW-0613-S1(092716)P
Inj Date : 06-OCT-2016 15:24
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366003
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

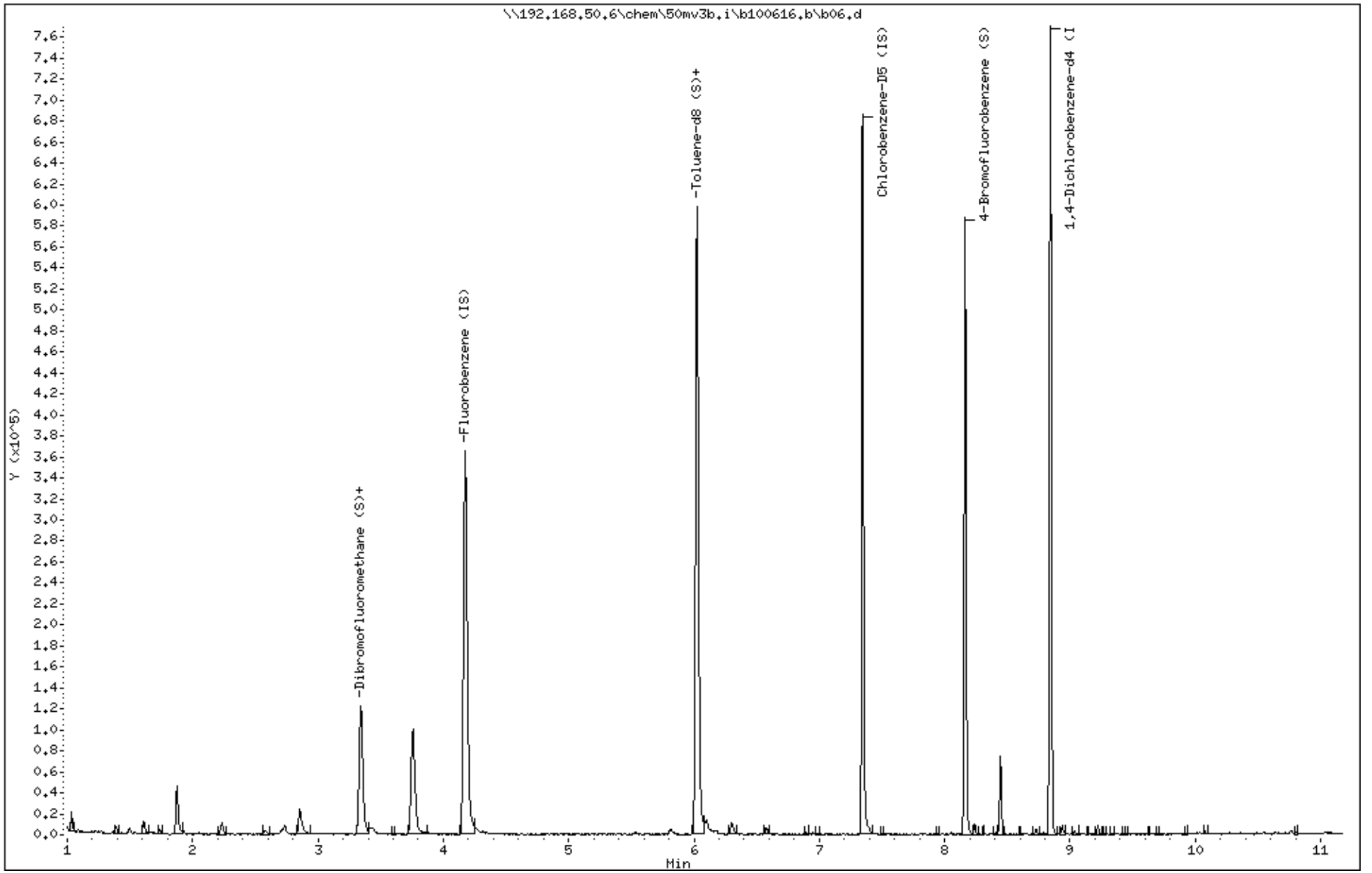
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.611	1.610	(0.386)	11335	32.5797	32.6	
	18 Methylene Chloride	84	1.873	1.872	(0.449)	14465	5.44893	5.45	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	82965	47.8828	47.9	
	37 Cyclohexane	56	3.427	3.426	(0.821)	2594	0.68013	0.680	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	376333	50.0000		
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	375984	46.1102	46.1	
	56 Toluene	91	6.098	6.097	(0.830)	5393	0.53211	0.532	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	276017	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.111)	132672	51.6897	51.7	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	131920	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b06.d
Date : 06-OCT-2016 15:24
Client ID: MW-0613-S1(092716)P
Sample Info: 50155366003
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b06.d

Date : 06-OCT-2016 15:24

Client ID: MW-0613-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366003

Purge Volume: 5.0

Operator: jlz

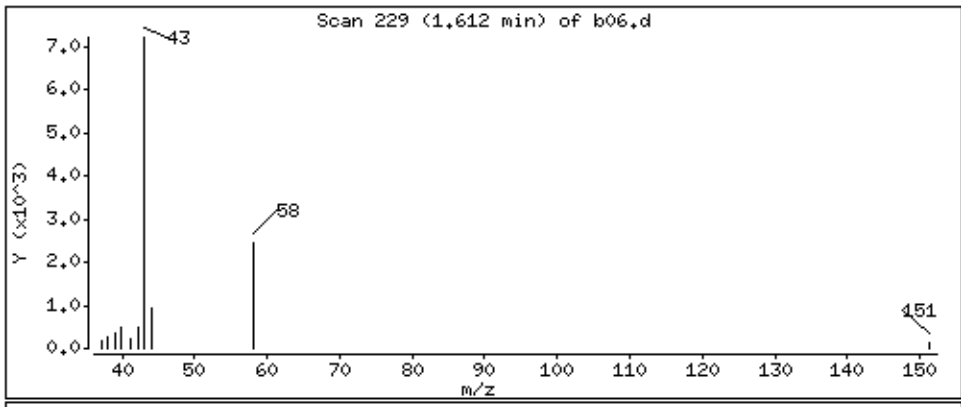
Column phase: DB-624

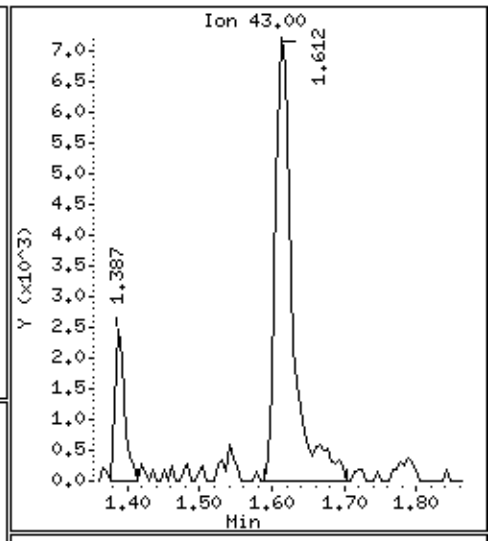
Column diameter: 0.18

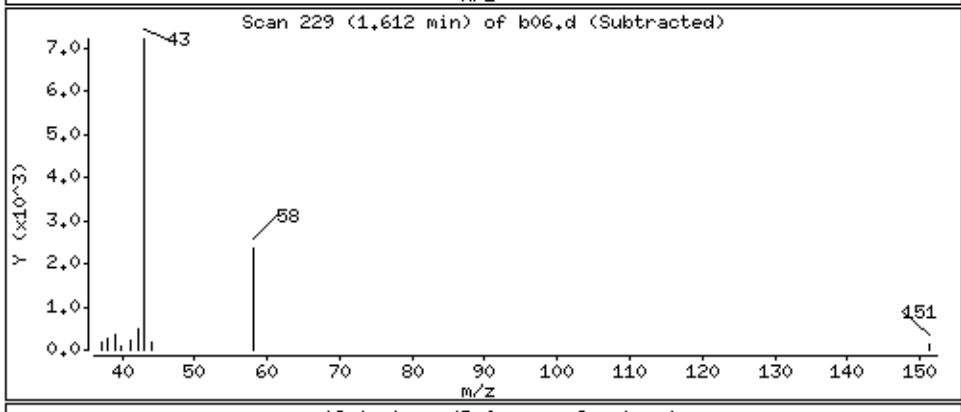
12 Acetone

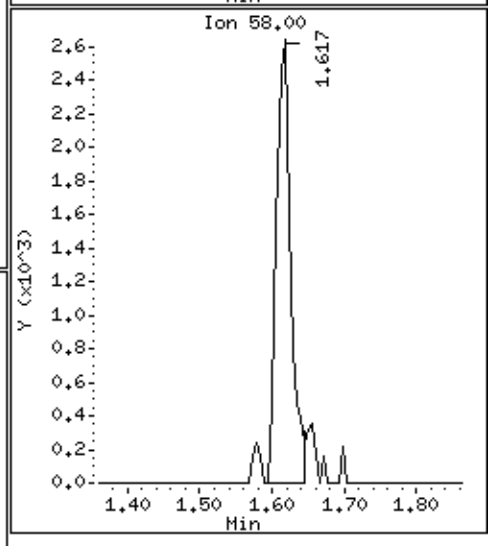
Concentration: 32.6 ppb

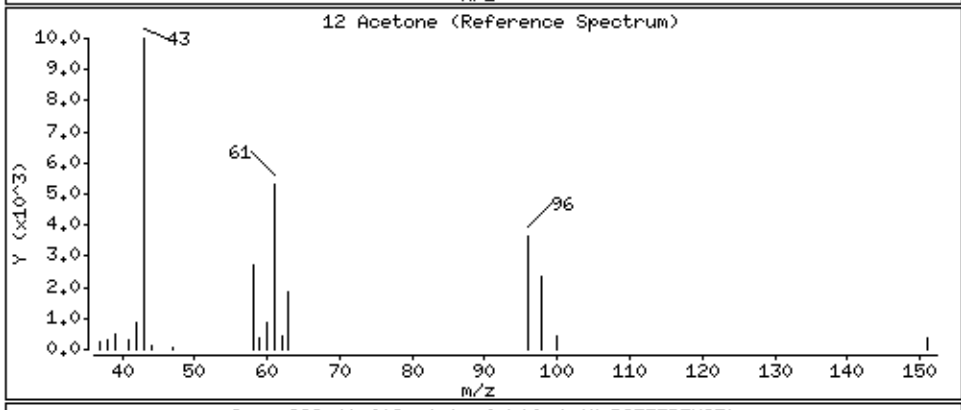
Review Code:

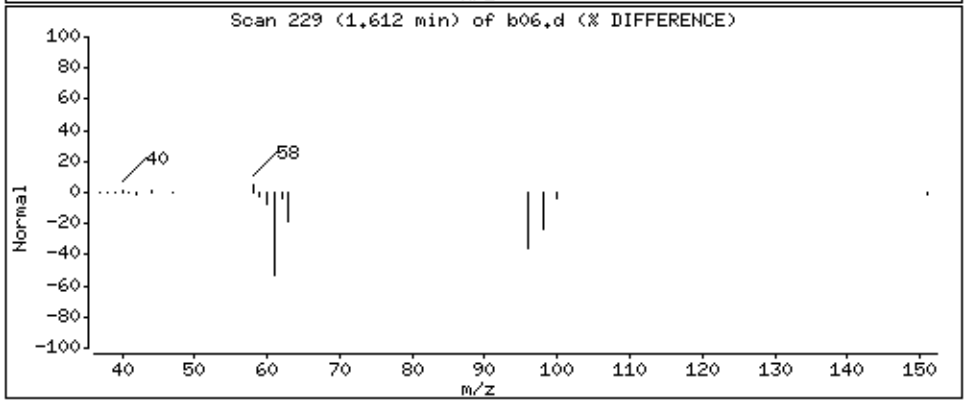












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b06.d

Date : 06-OCT-2016 15:24

Client ID: MW-0613-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366003

Purge Volume: 5.0

Operator: jlz

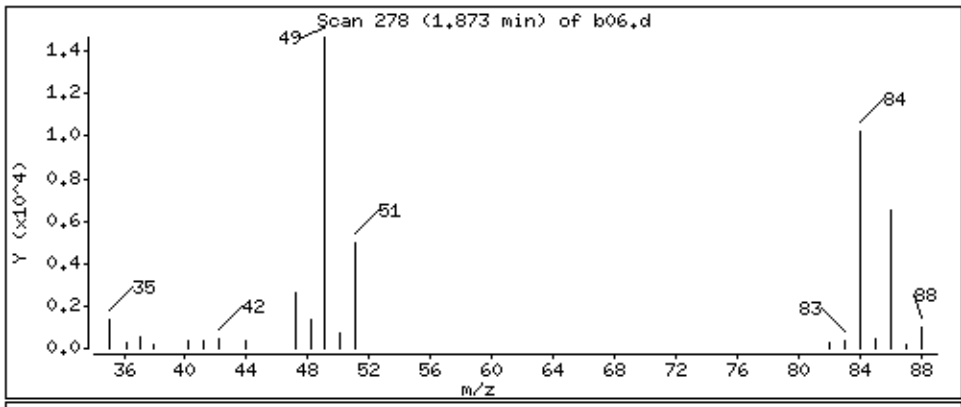
Column phase: DB-624

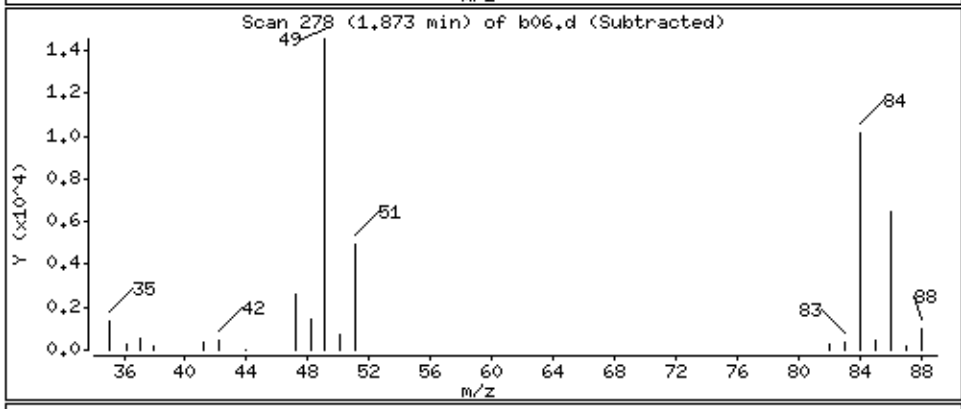
Column diameter: 0.18

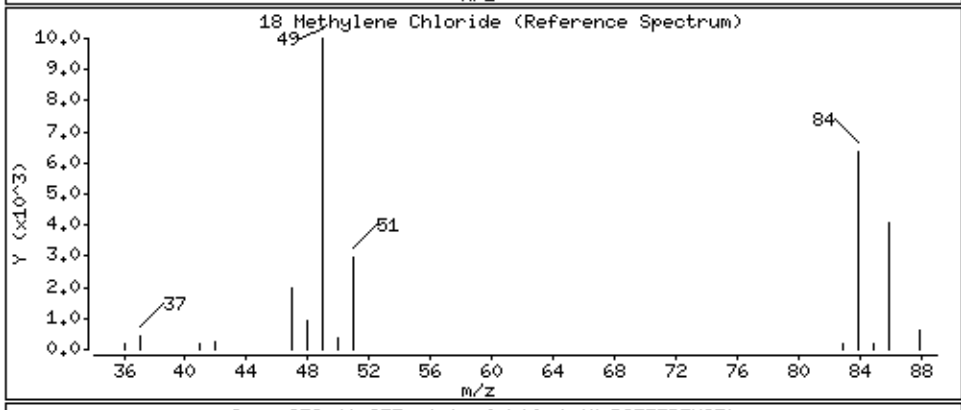
18 Methylene Chloride

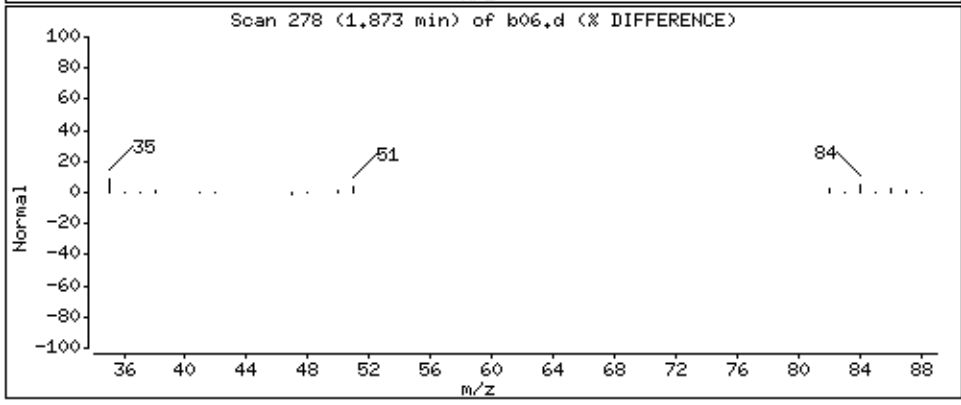
Concentration: 5.45 ppb

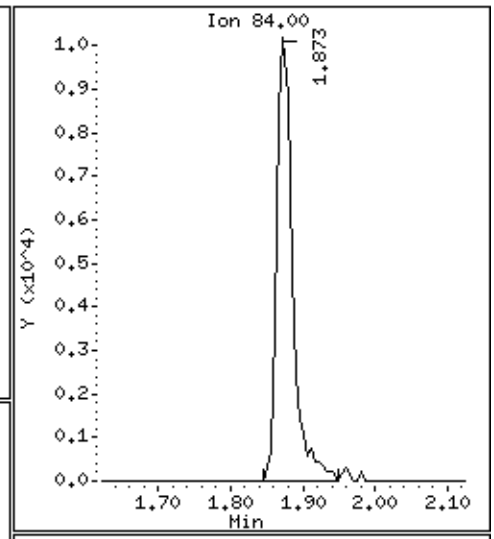
Review Code:

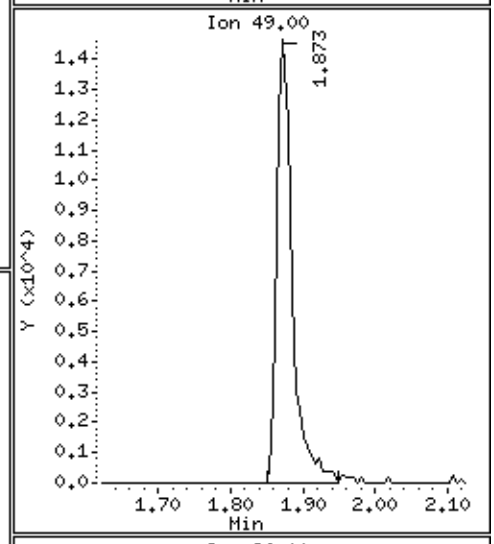


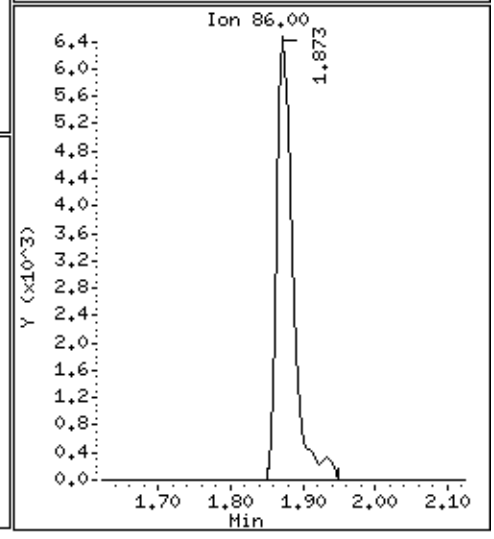












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b06.d

Date : 06-OCT-2016 15:24

Client ID: MW-0613-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366003

Purge Volume: 5.0

Operator: jlz

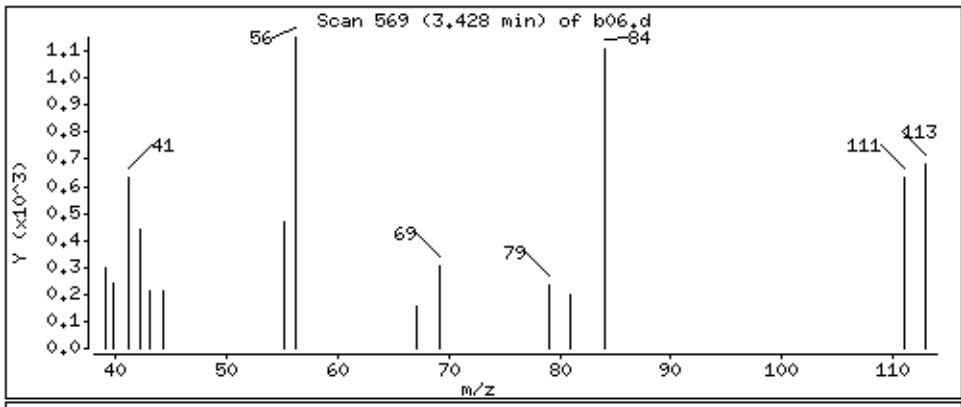
Column phase: DB-624

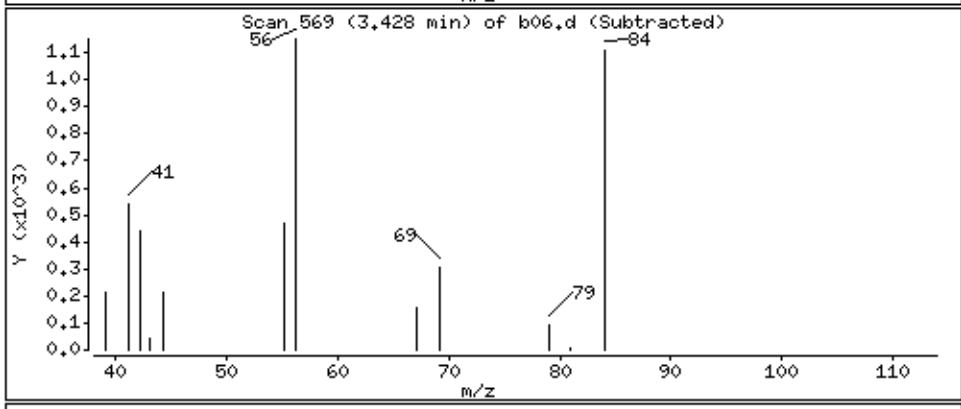
Column diameter: 0.18

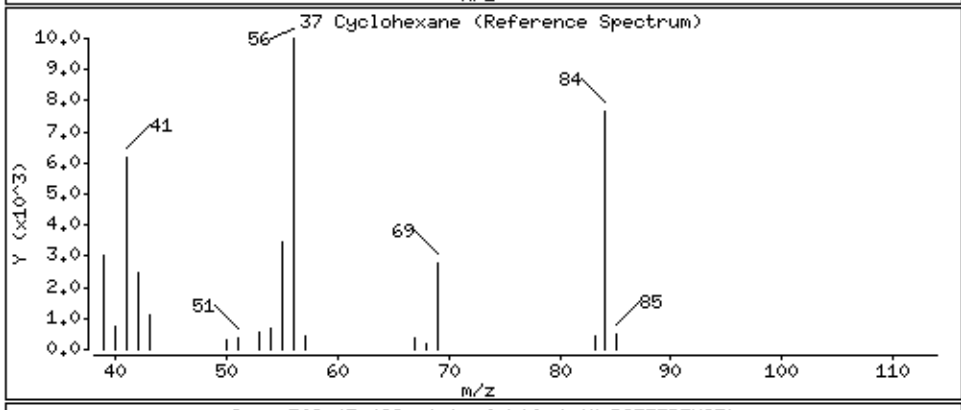
37 Cyclohexane

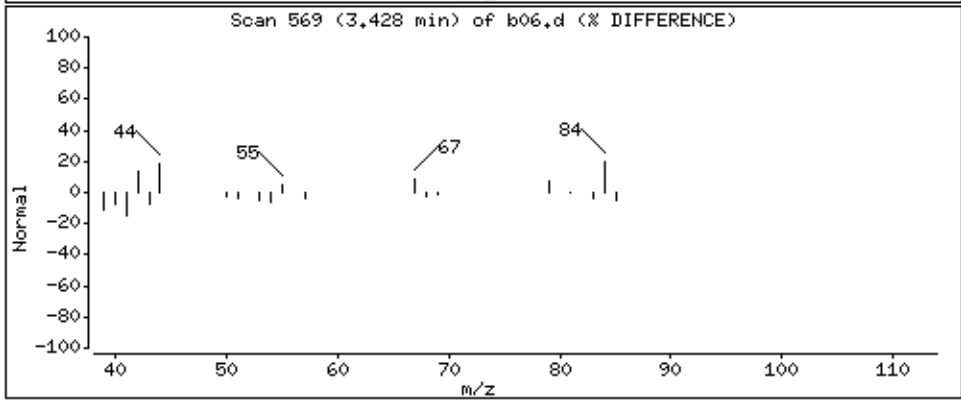
Concentration: 0.680 ppb

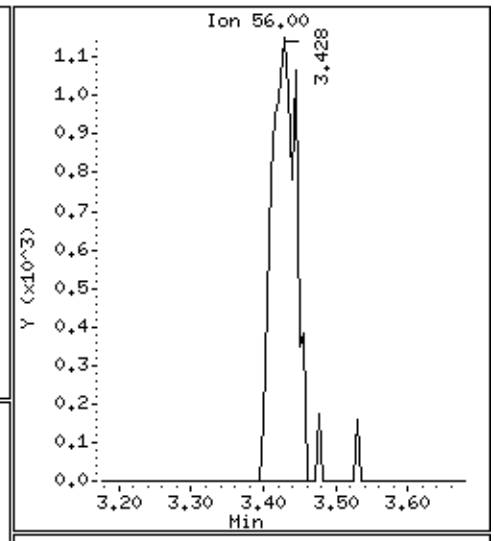
Review Code:

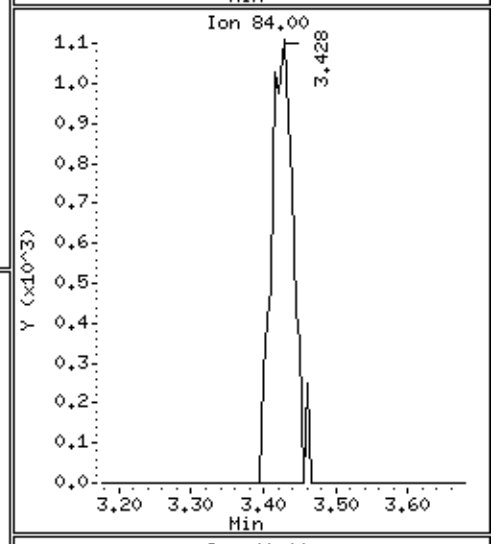


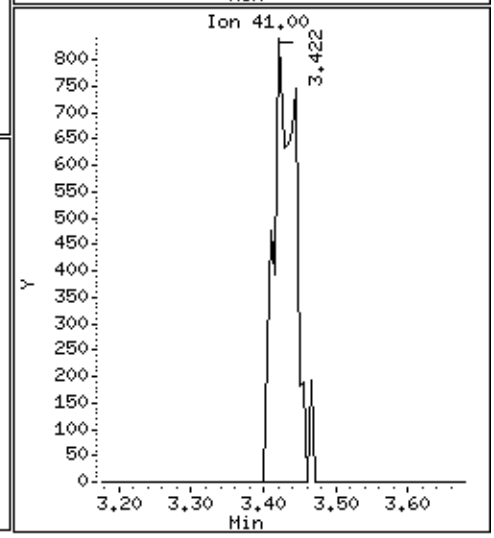












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b06.d

Date : 06-OCT-2016 15:24

Client ID: MW-0613-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366003

Purge Volume: 5.0

Operator: jlz

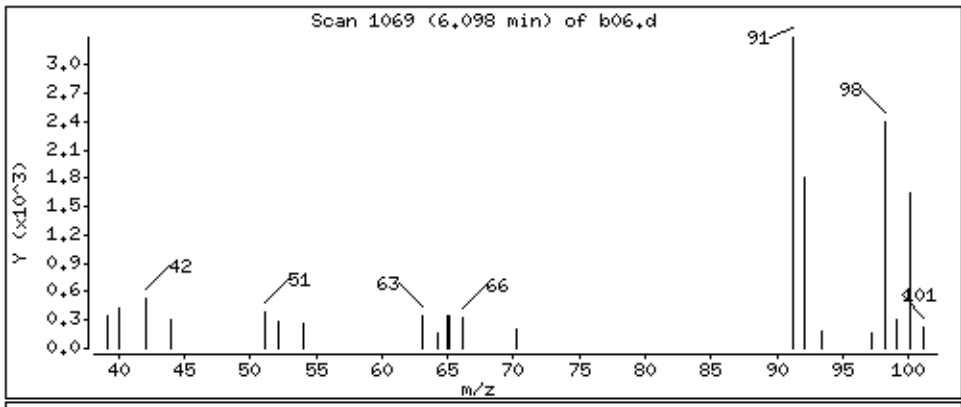
Column phase: DB-624

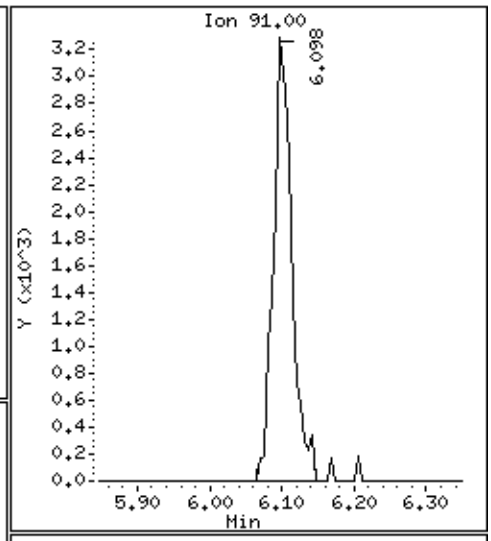
Column diameter: 0.18

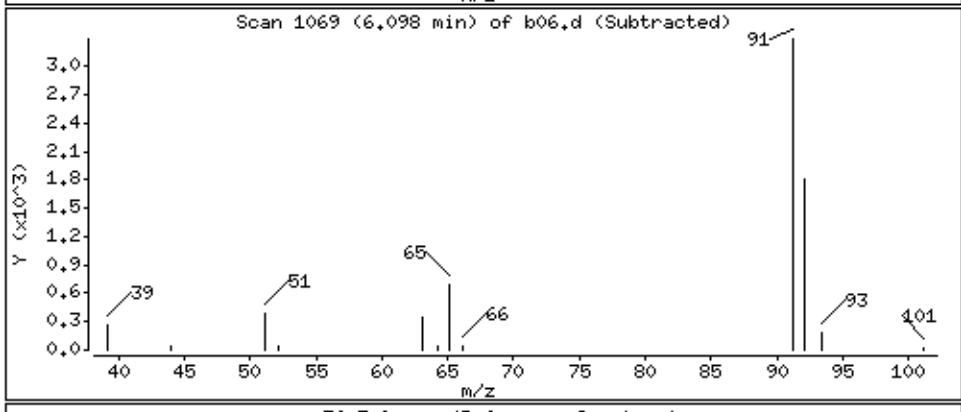
56 Toluene

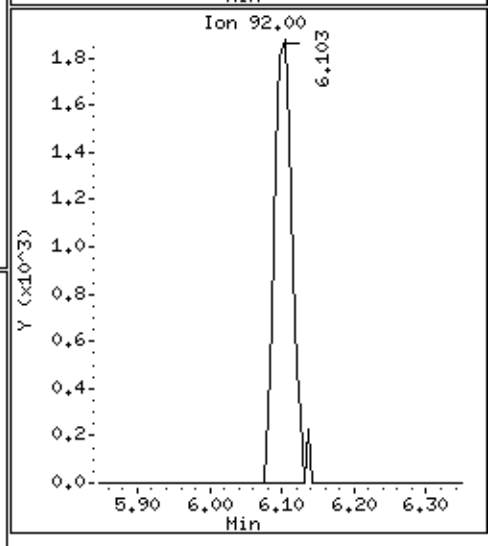
Concentration: 0.532 ppb

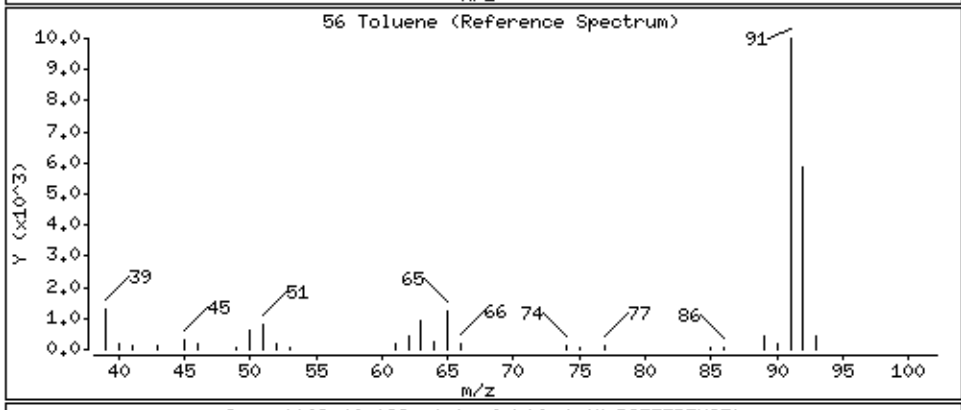
Review Code:

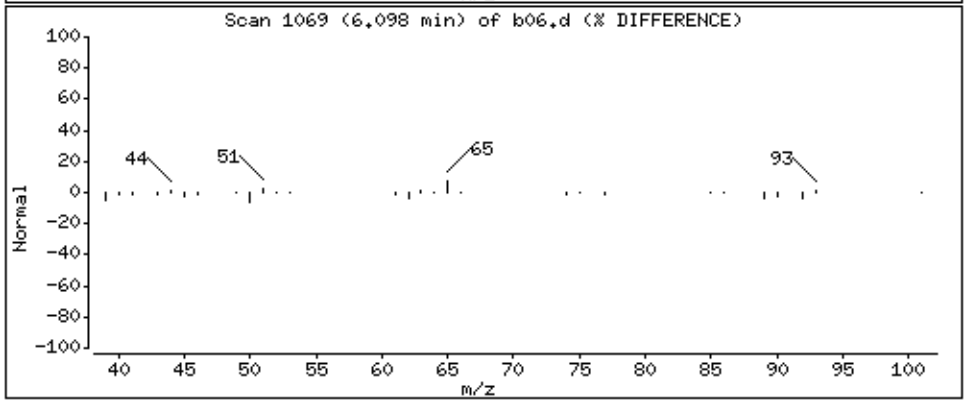












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b06.d
Injection Date: 06-OCT-2016 15:24
Instrument: 50mv3b.i
Lab Sample ID: 50155366003
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

EB-2(092716)RW

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 15:56 Lab Sample ID: 50155366004

Date Analyzed: 10/06/2016 15:56 Lab File ID: B100616.B\B07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

EB-2(092716)RW

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 15:56 Lab Sample ID: 50155366004

Date Analyzed: 10/06/2016 15:56 Lab File ID: B100616.B\B07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b07.d
Lab Smp Id: 50155366004 Client Smp ID: EB-2(092716)RW
Inj Date : 06-OCT-2016 15:56
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366004
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

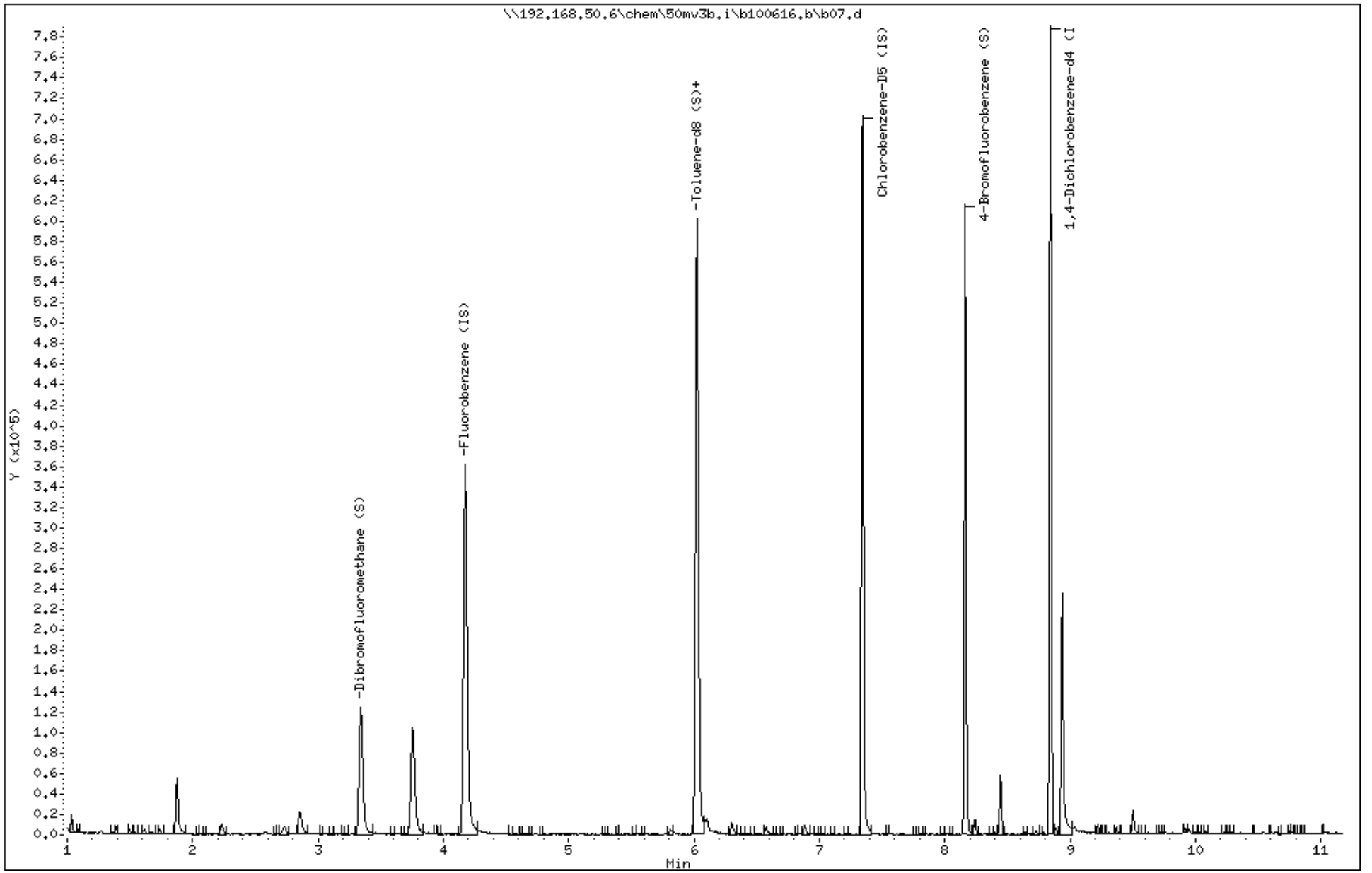
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.616	1.610	(0.387)	3764	10.8387	10.8	
	18 Methylene Chloride	84	1.872	1.872	(0.449)	17157	6.95728	6.96	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	85468	49.4188	49.4	
*	44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	375637	50.0000		
$	55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	380046	45.6480	45.6	
	56 Toluene	91	6.097	6.097	(0.830)	6625	0.64020	0.640	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	281824	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	134912	51.4793	51.5	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	135808	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b07.d
Date : 06-OCT-2016 15:56
Client ID: EB-2(092716)RW
Sample Info: 50155366004
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b07.d

Date : 06-OCT-2016 15:56

Client ID: EB-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366004

Purge Volume: 5.0

Operator: jlz

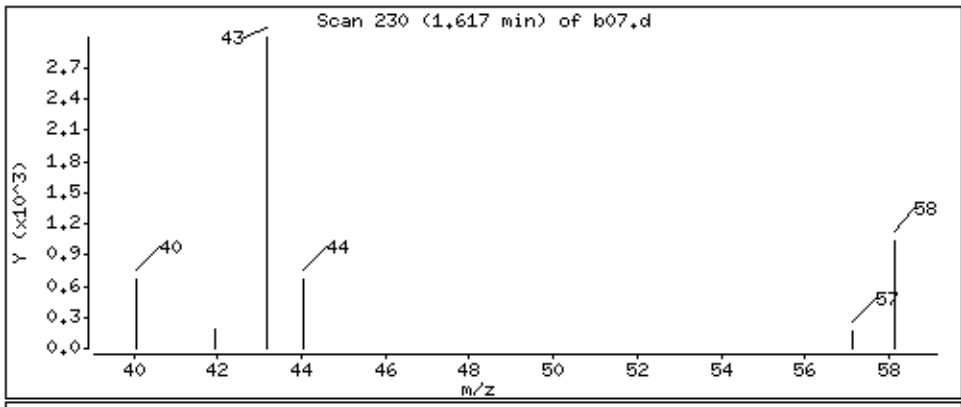
Column phase: DB-624

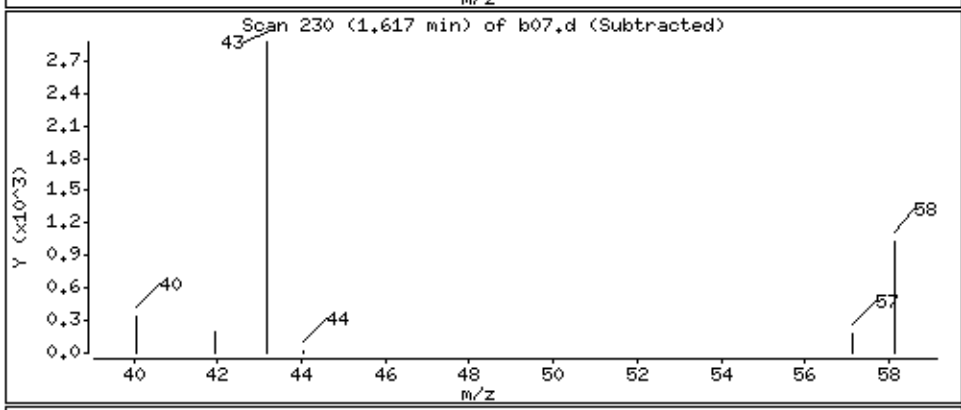
Column diameter: 0.18

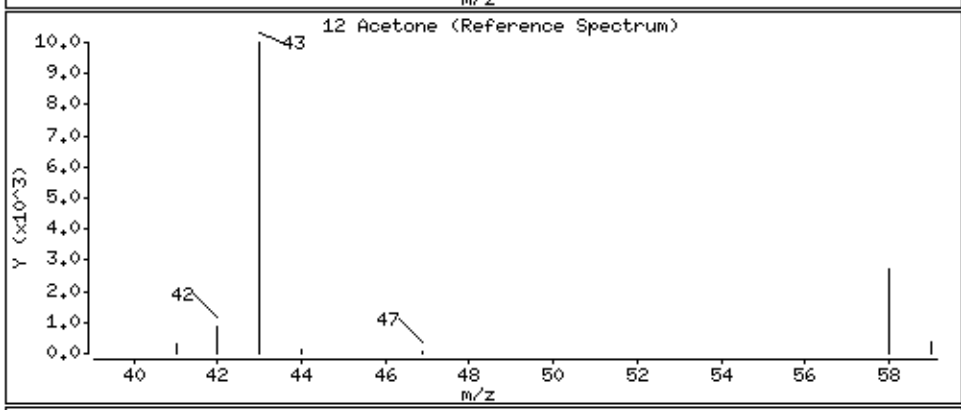
12 Acetone

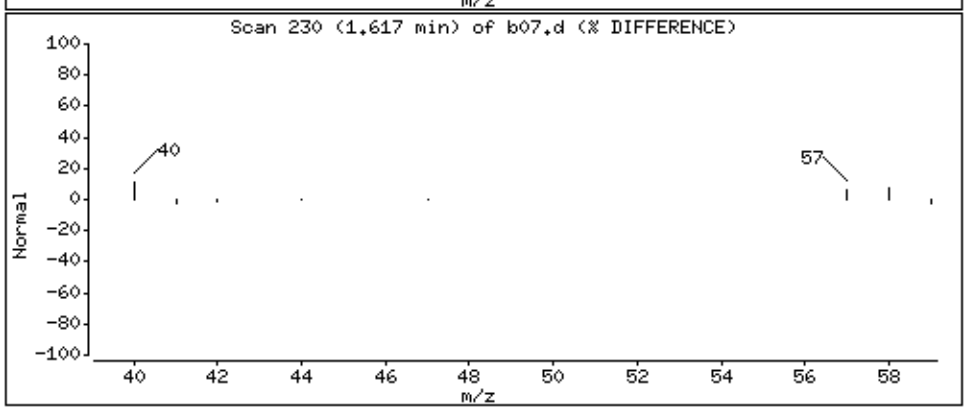
Concentration: 10.8 ppb

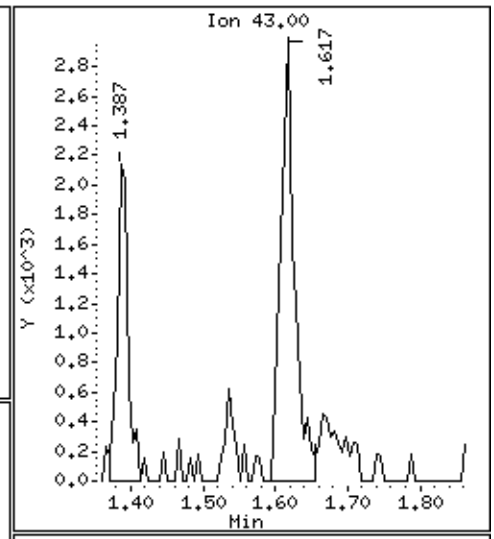
Review Code:

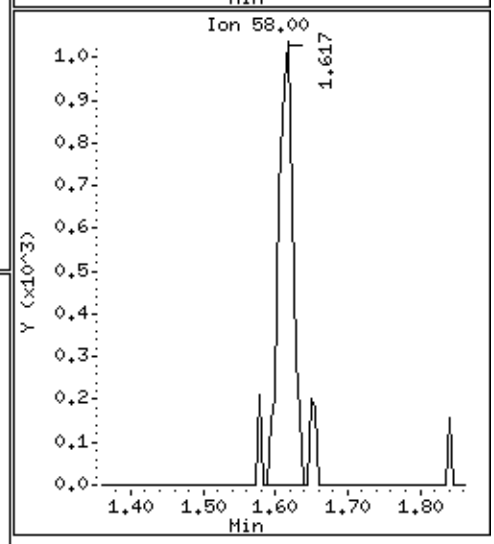












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b07.d

Date : 06-OCT-2016 15:56

Client ID: EB-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366004

Purge Volume: 5.0

Operator: jlz

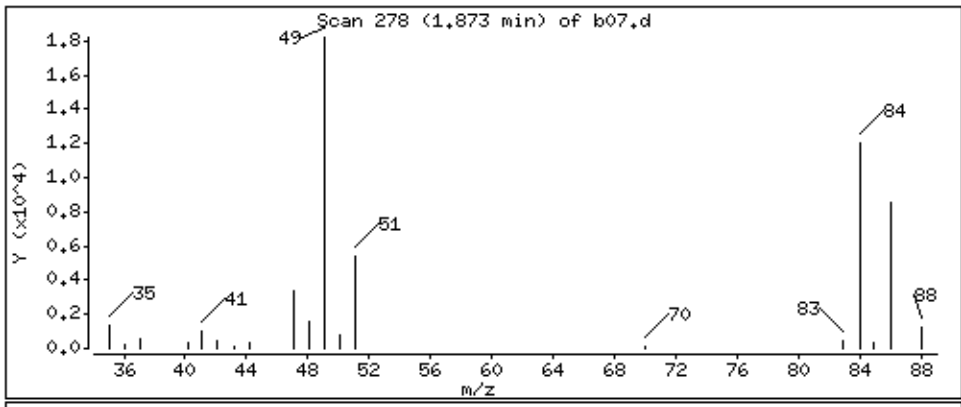
Column phase: DB-624

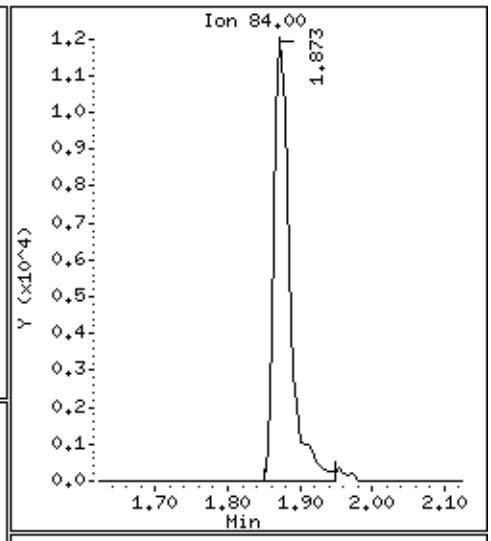
Column diameter: 0.18

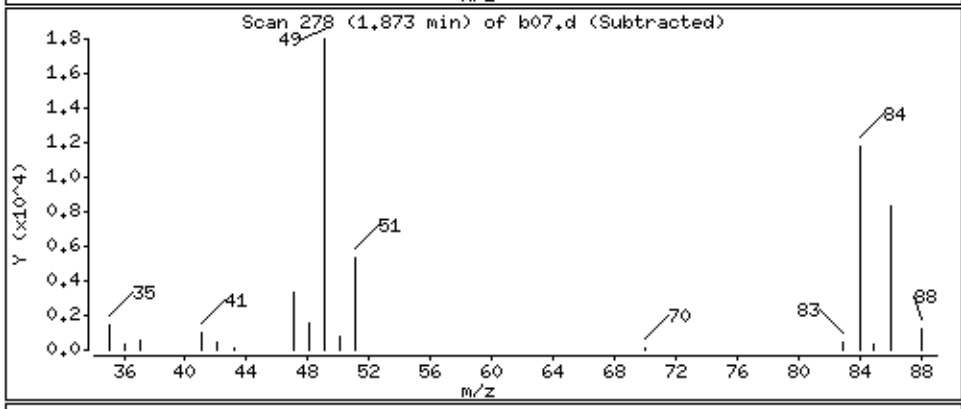
18 Methylene Chloride

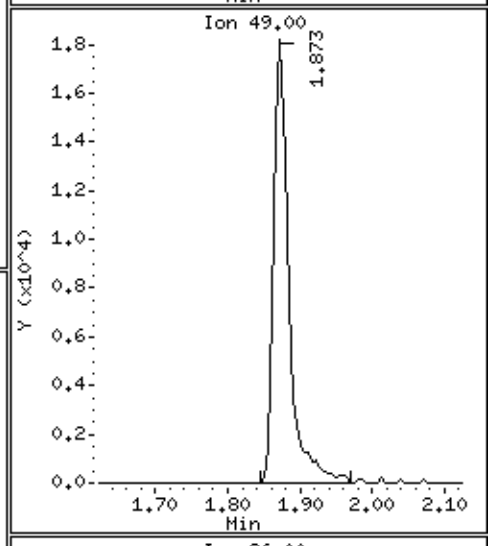
Concentration: 6.96 ppb

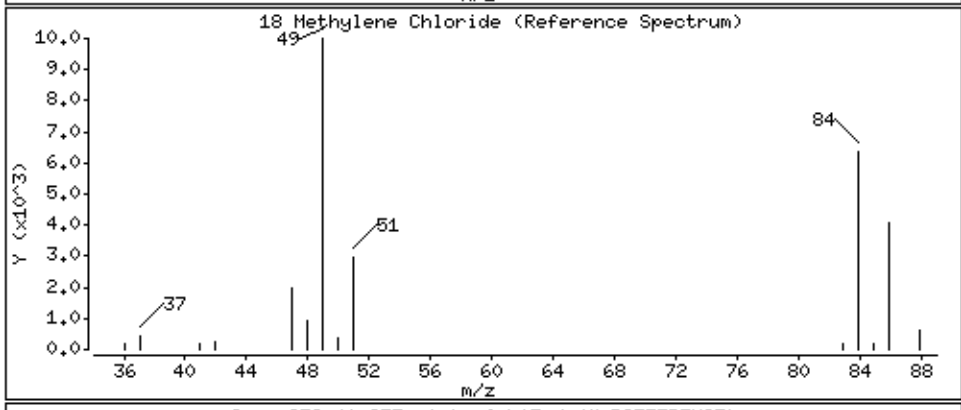
Review Code:

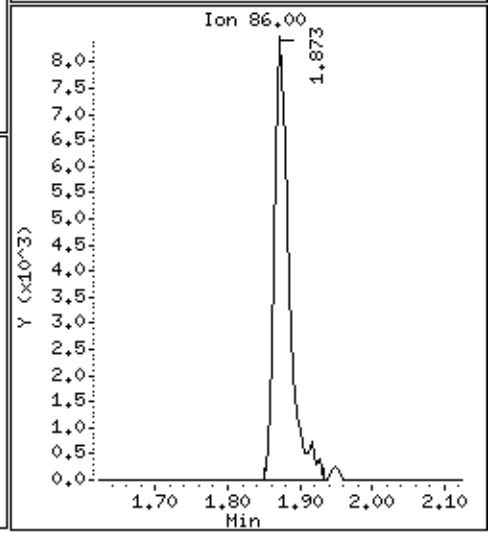


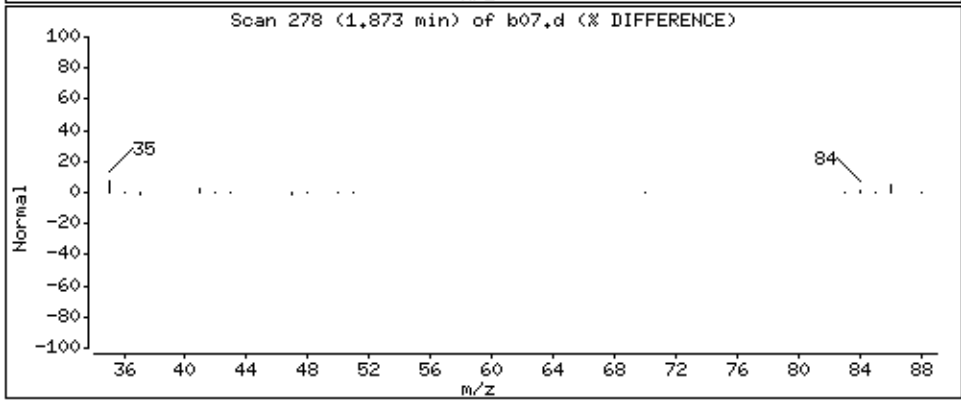












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b07.d

Date : 06-OCT-2016 15:56

Client ID: EB-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366004

Purge Volume: 5.0

Operator: jlz

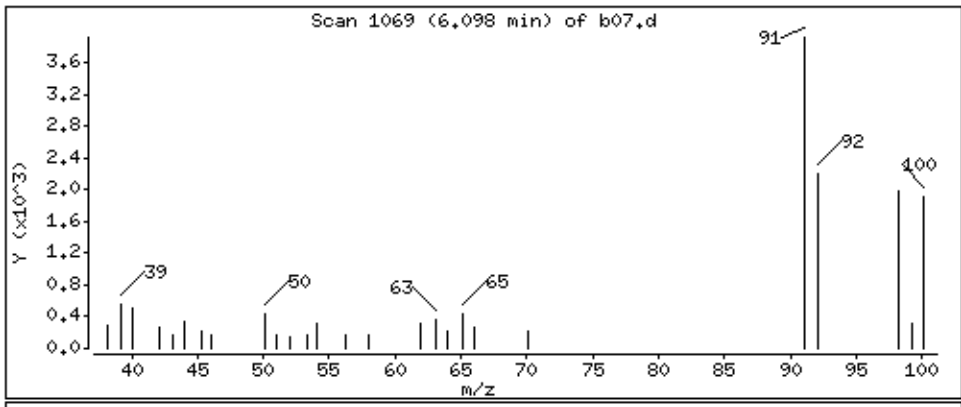
Column phase: DB-624

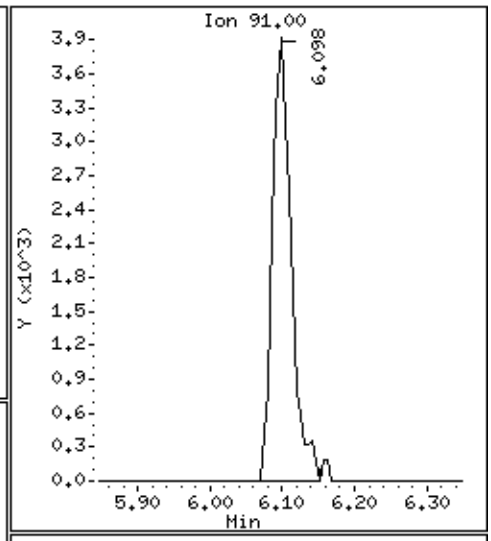
Column diameter: 0.18

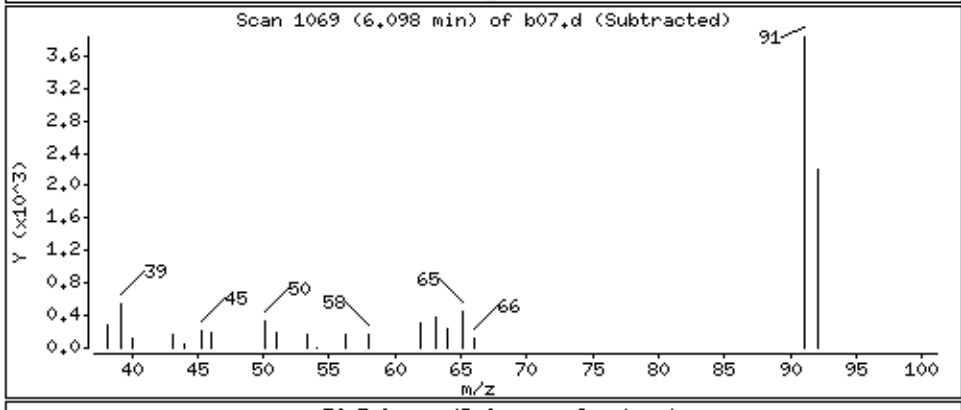
56 Toluene

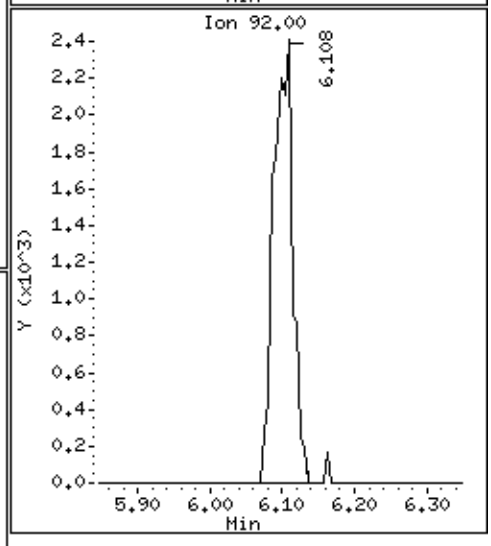
Concentration: 0.640 ppb

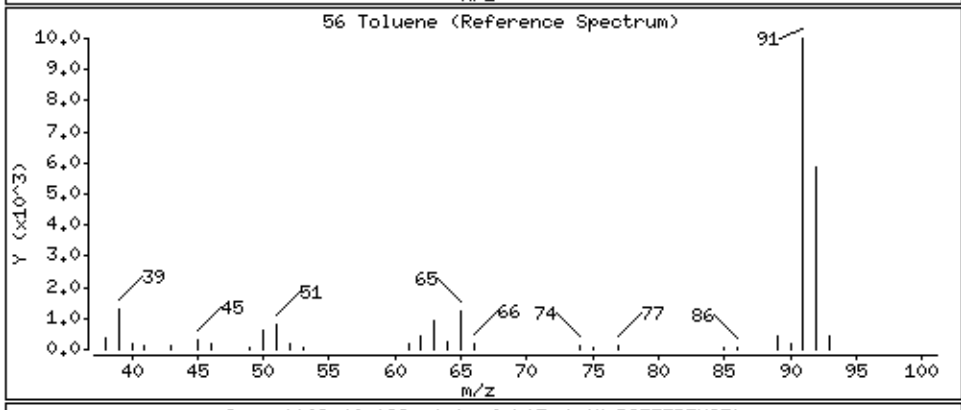
Review Code:

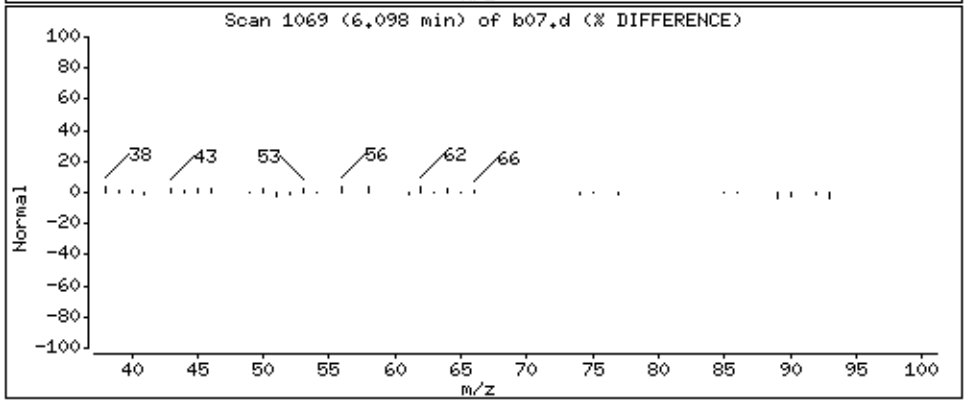












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b07.d
Injection Date: 06-OCT-2016 15:56
Instrument: 50mv3b.i
Lab Sample ID: 50155366004
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0609-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 02:36 Lab Sample ID: 50155366005

Date Analyzed: 10/11/2016 02:36 Lab File ID: A101016.B\C10.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 5 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
156-59-2	cis-1,2-Dichloroethene	496	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d
Lab Smp Id: 50155366005 Client Smp ID: MW-0609-S1(092716)P
Inj Date : 11-OCT-2016 02:36
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366005x5
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 67
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.033	1.035	(0.248)	9654	3.47031	17.4	
	12 Acetone	43	1.605	1.606	(0.386)	7063	18.6043	93.0	
	18 Methylene Chloride	84	1.867	1.862	(0.448)	16046	5.64264	28.2	
	22 1,2-Dichloroethene (trans)	96	2.037	2.039	(0.489)	17288	8.18952	40.9	
	28 1,2-Dichloroethene (cis)	96	2.812	2.813	(0.675)	224155	99.1120	496(Q)	
$	35 Dibromofluoromethane (S)	113	3.330	3.331	(0.800)	92999	48.6519	48.6	
*	45 Fluorobenzene (IS)	96	4.163	4.164	(1.000)	422731	50.0000		
	46 Trichloroethene	95	4.623	4.618	(1.110)	6445	2.92715	14.6	
$	56 Toluene-d8 (S)	98	6.017	6.018	(0.820)	403974	46.0032	46.0	
	57 Toluene	91	6.102	6.093	(0.831)	3966	0.38041	1.90	
*	66 Chlorobenzene-D5 (IS)	117	7.341	7.342	(1.000)	283207	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.165	(1.112)	128843	51.0250	51.0	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.838	(1.000)	120219	50.0000		
	96 Naphthalene	128	10.001	10.002	(1.131)	2641	0.55788	2.79	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

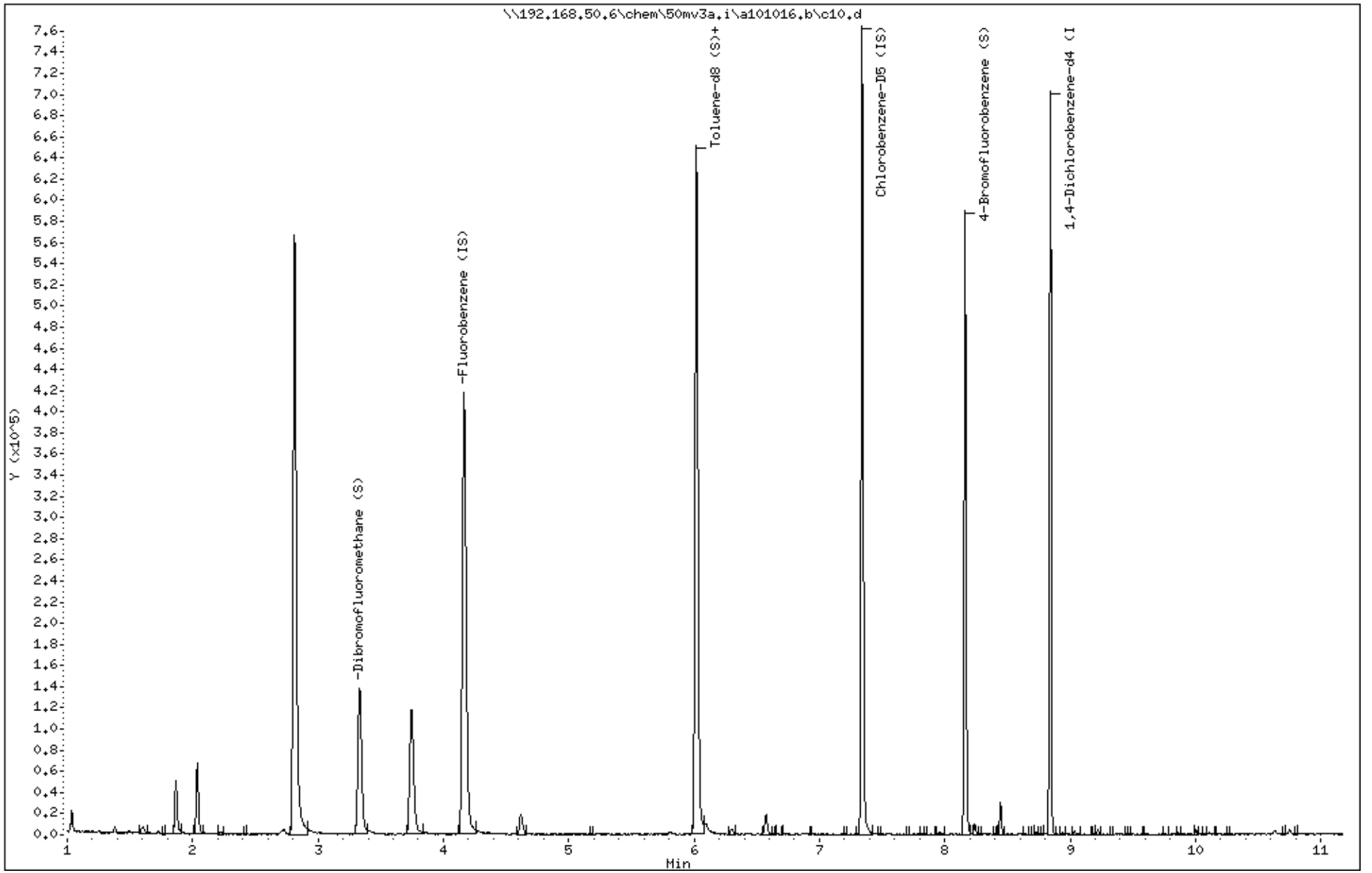
QC Flag Legend

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d
Date : 11-OCT-2016 02:36
Client ID: MW-0609-S1(092716)P
Sample Info: 50155366005x5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

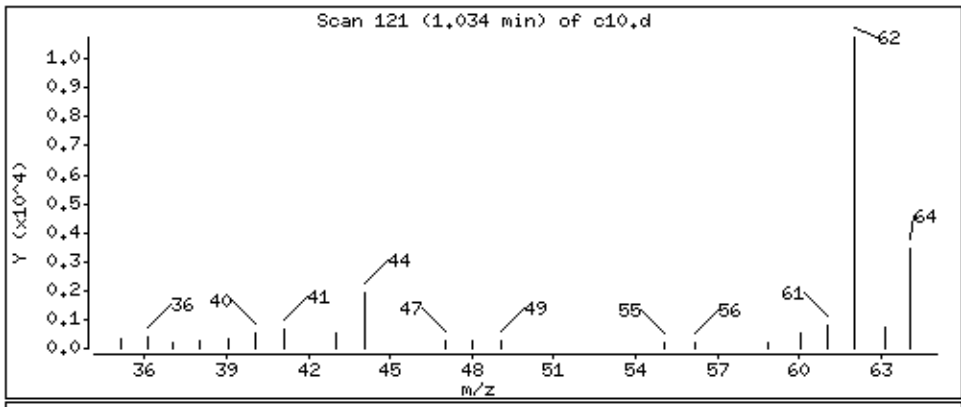
Column phase: DB-624

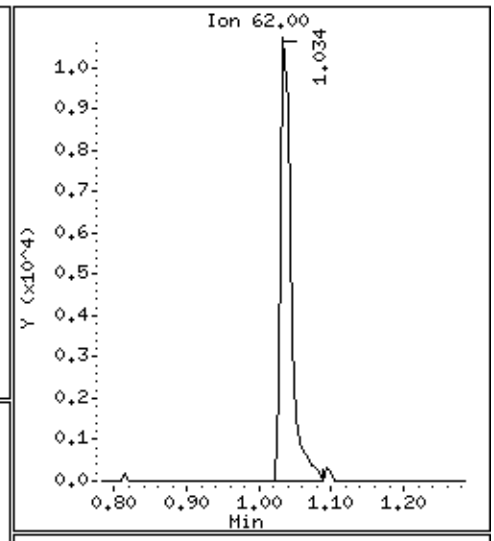
Column diameter: 0.18

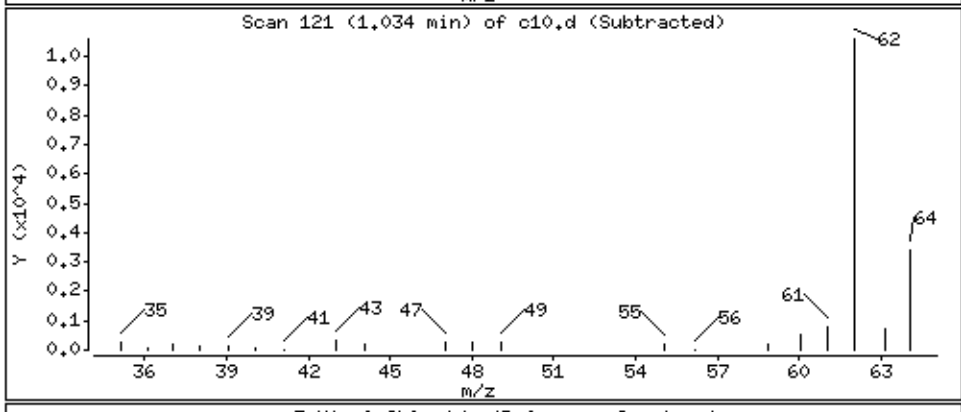
3 Vinyl Chloride

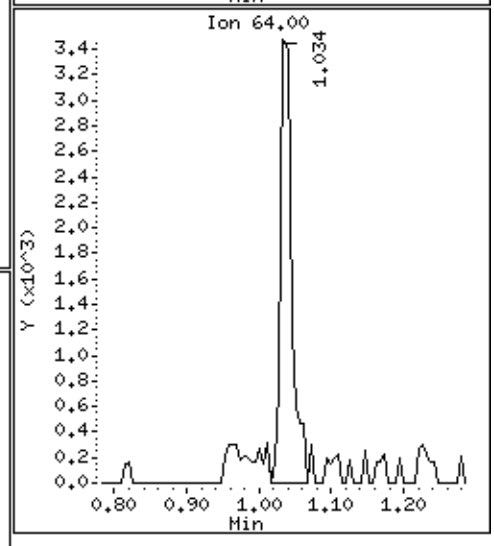
Concentration: 17.4 ppb

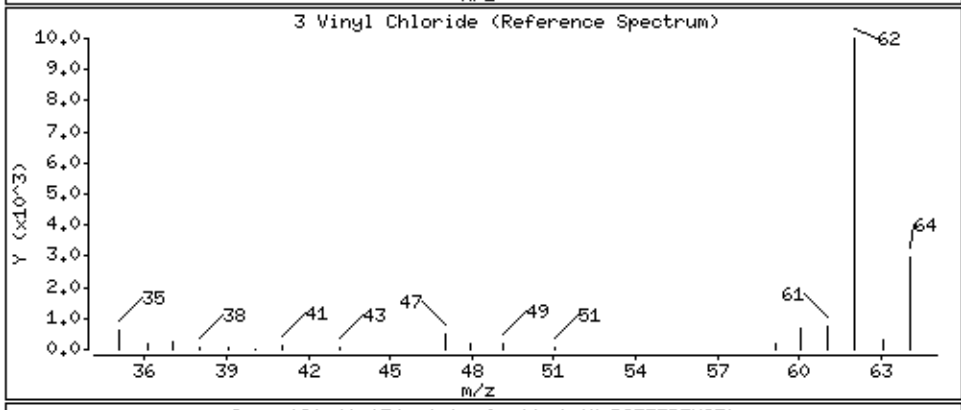
Review Code:

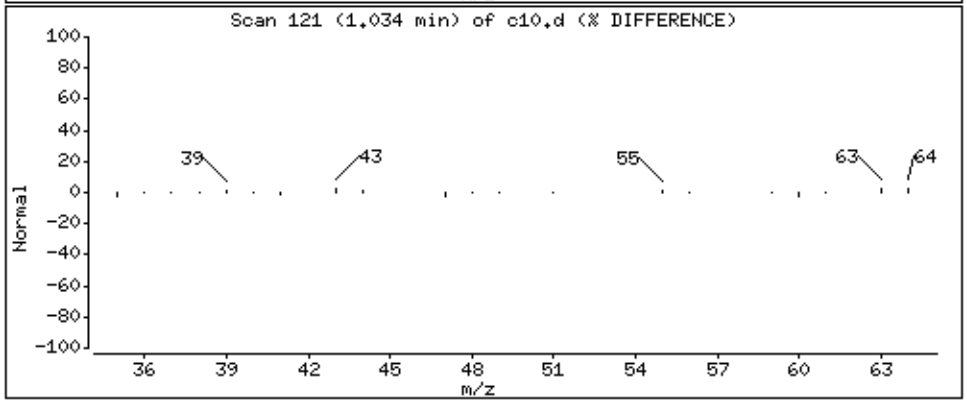












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d

Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

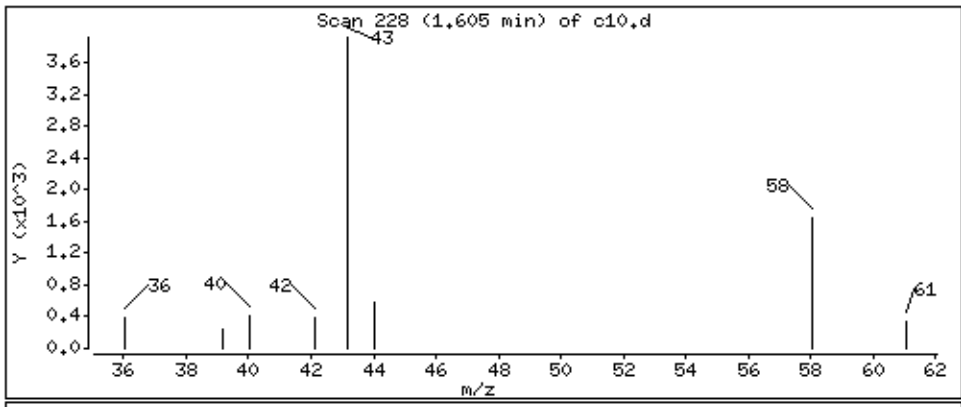
Column phase: DB-624

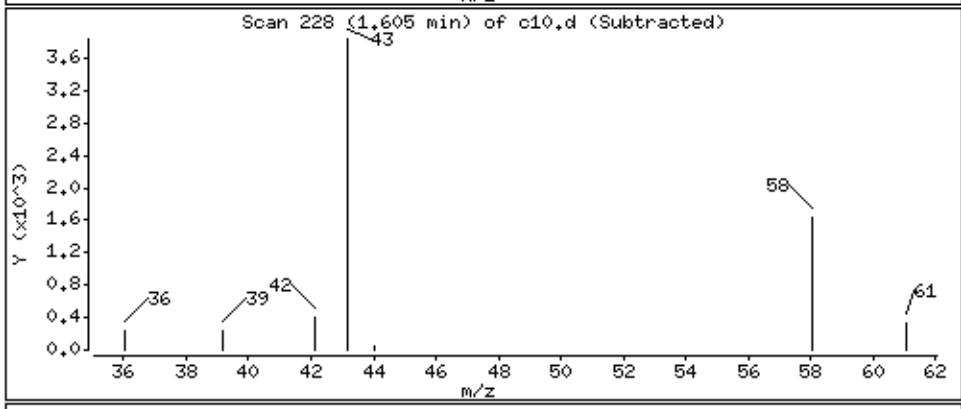
Column diameter: 0.18

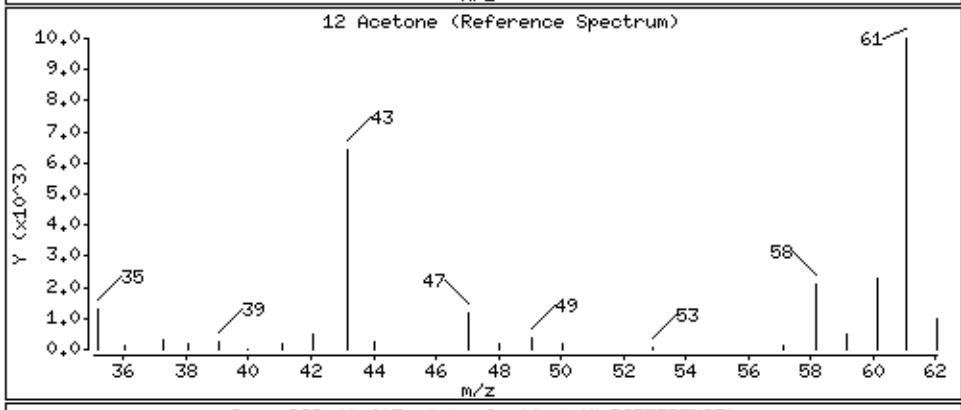
12 Acetone

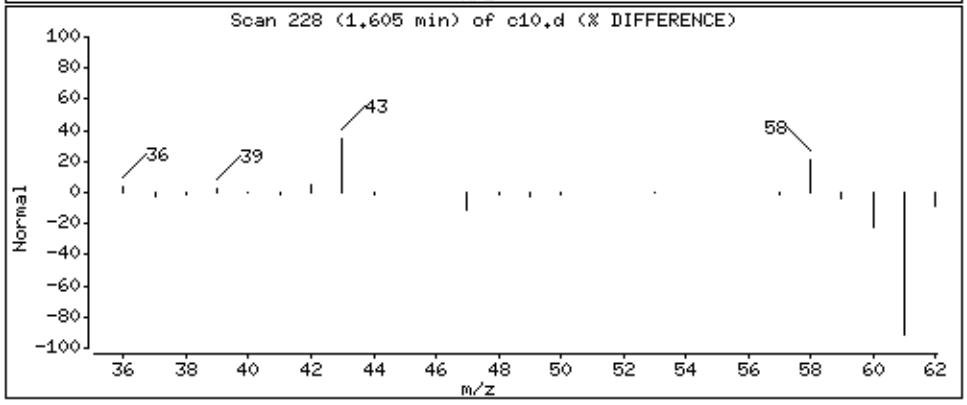
Concentration: 93.0 ppb

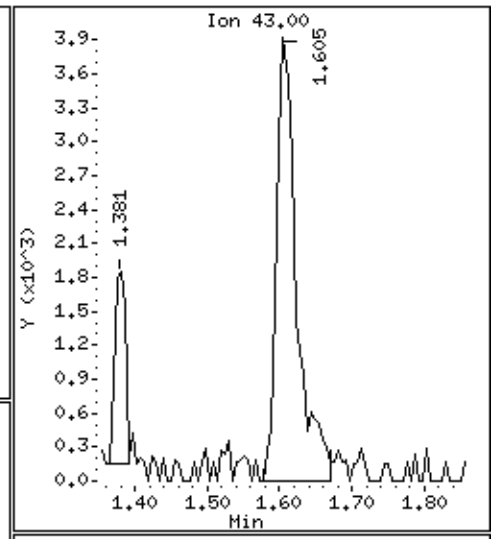
Review Code:

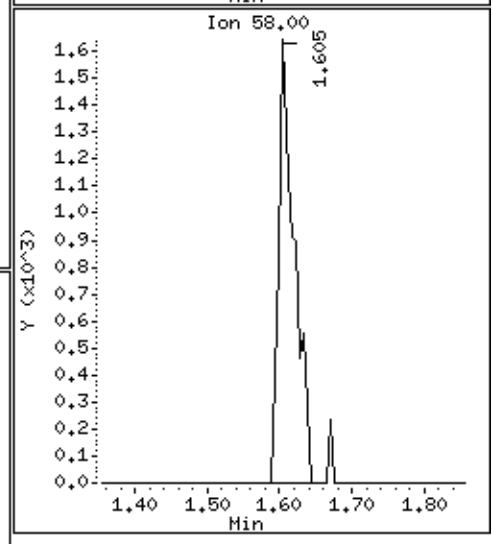












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d

Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

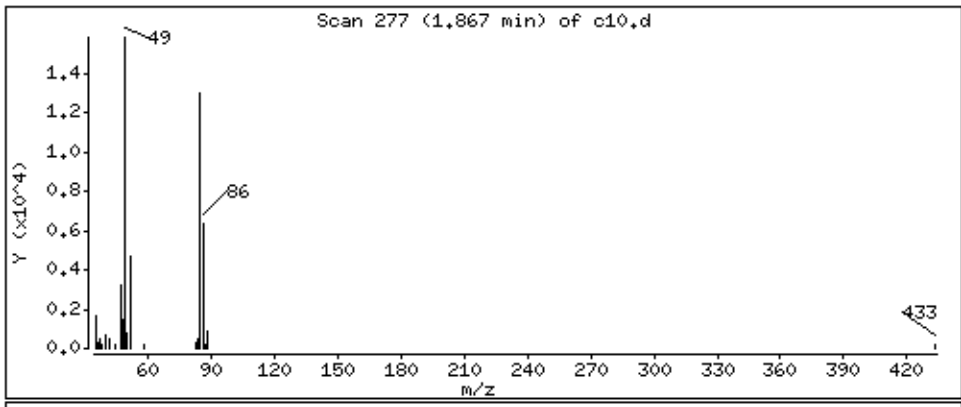
Column phase: DB-624

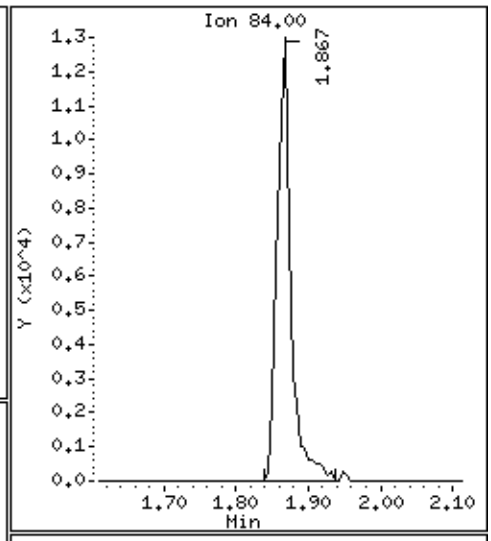
Column diameter: 0.18

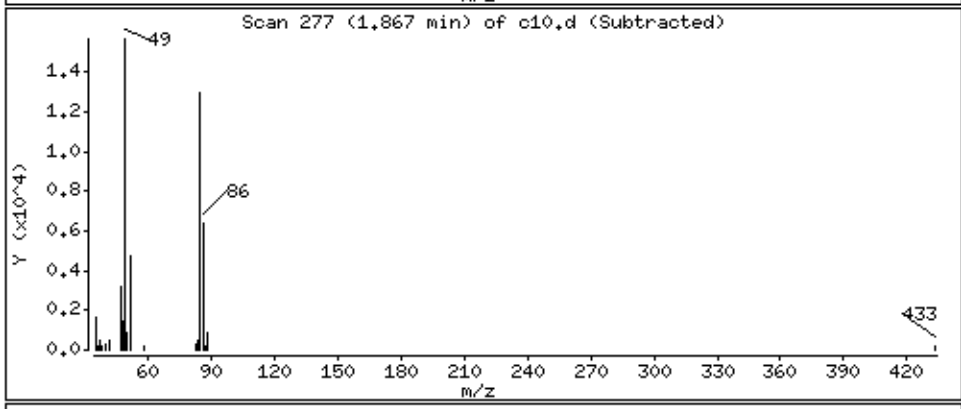
18 Methylene Chloride

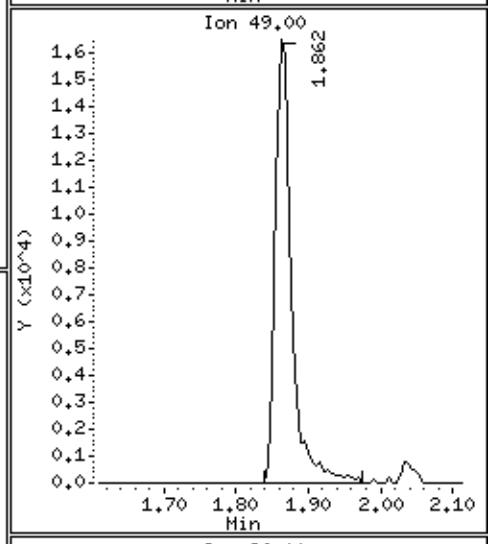
Concentration: 28.2 ppb

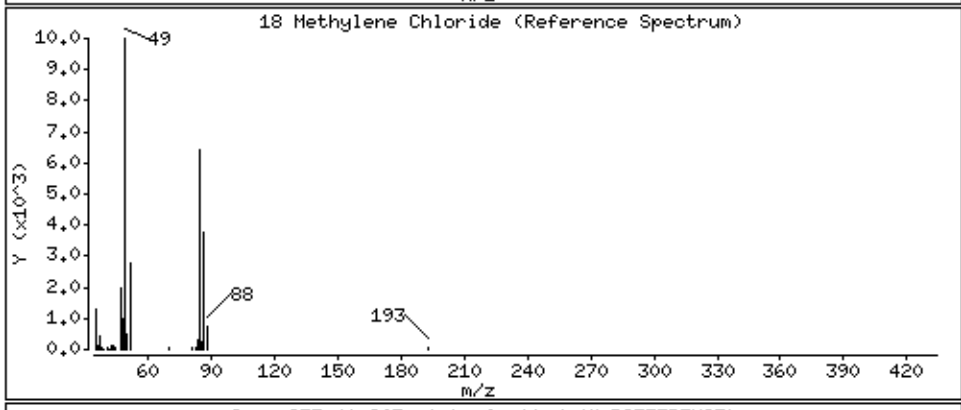
Review Code:

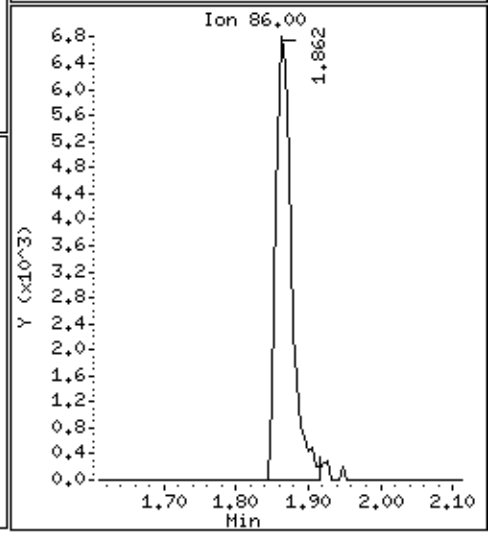


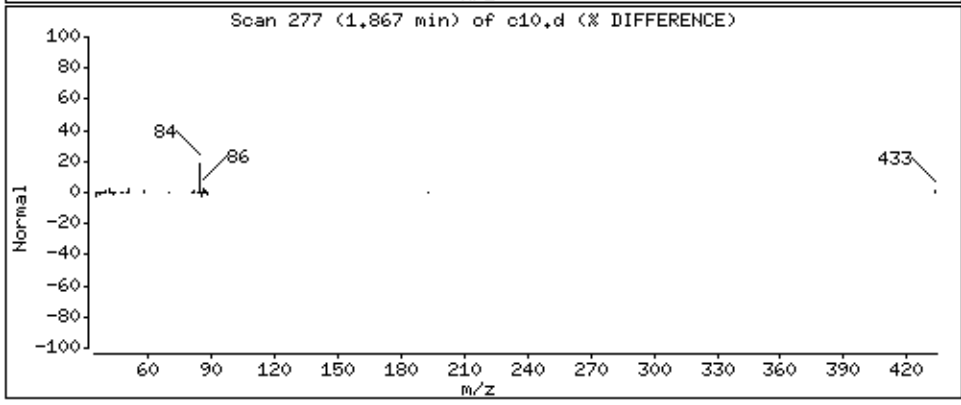












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d

Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

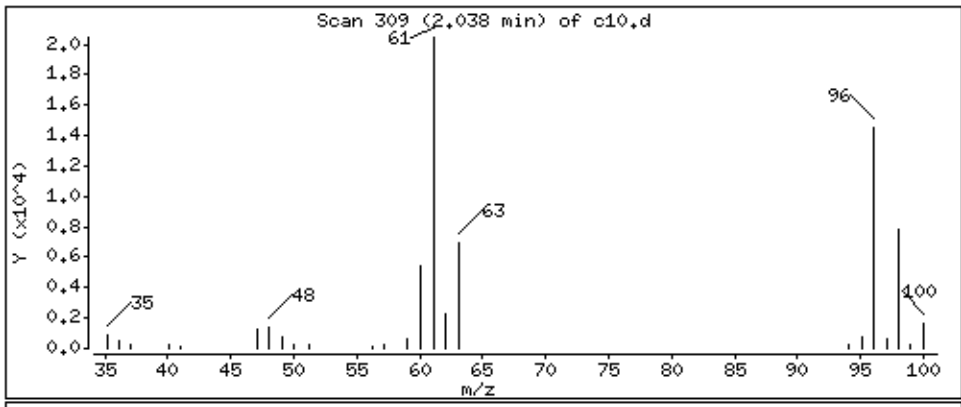
Column phase: DB-624

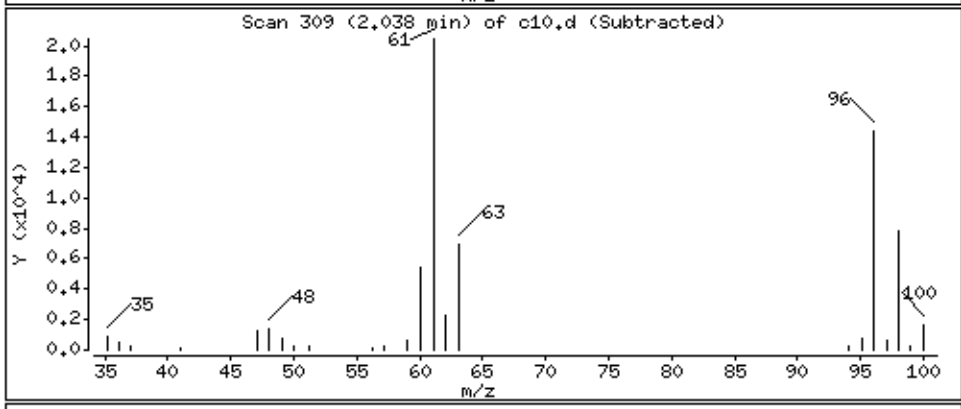
Column diameter: 0.18

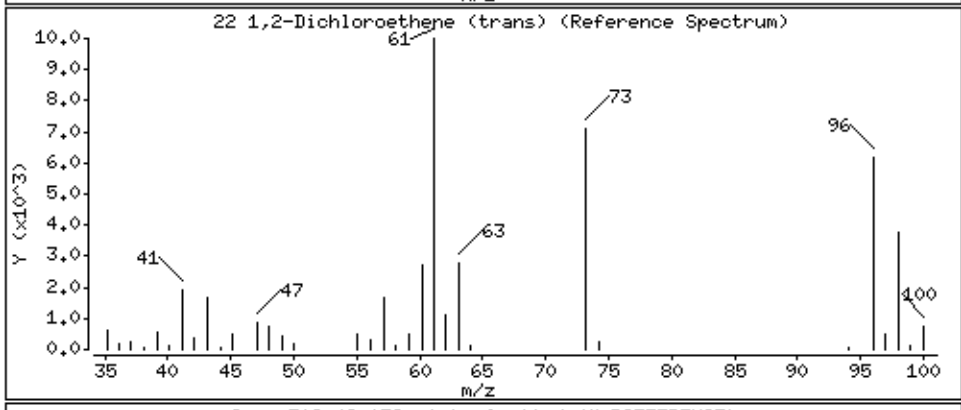
22 1,2-Dichloroethene (trans)

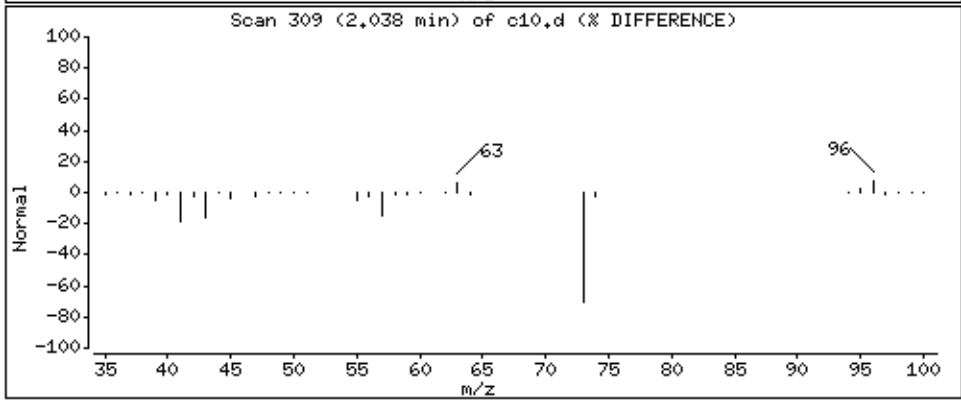
Concentration: 40.9 ppb

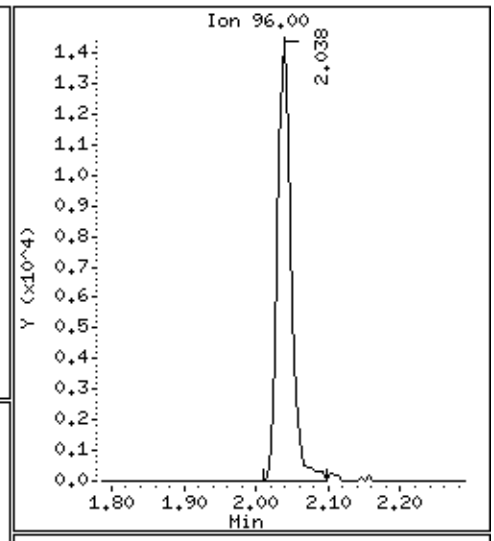
Review Code:

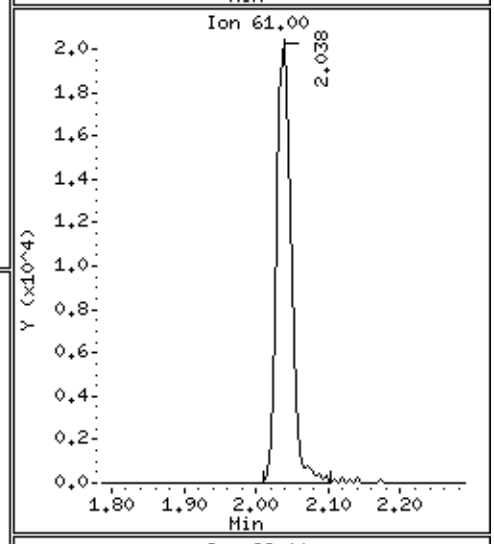


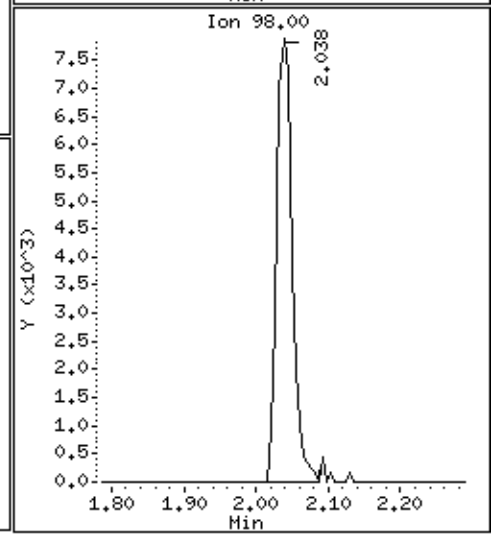












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d

Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

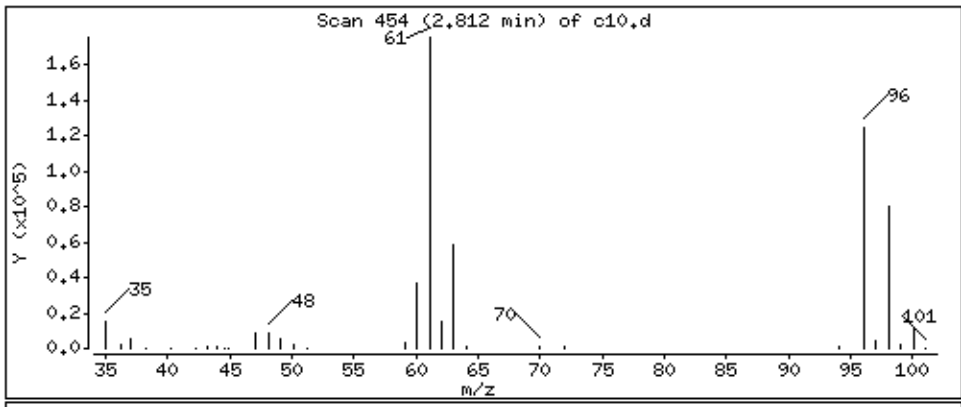
Column phase: DB-624

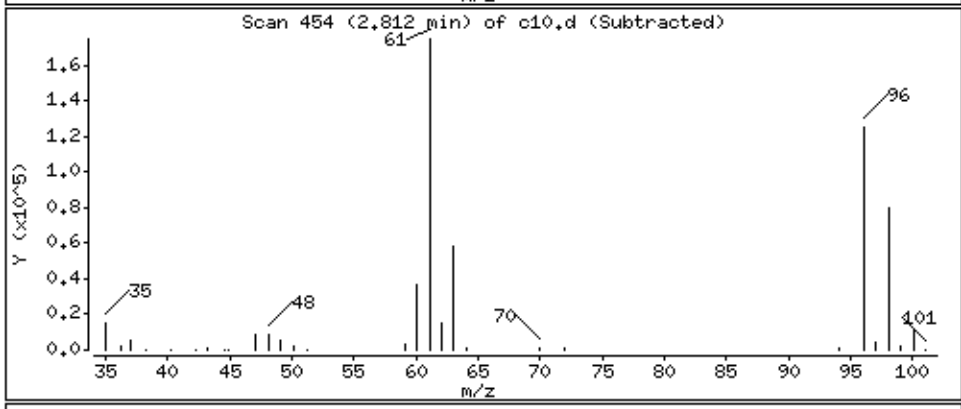
Column diameter: 0.18

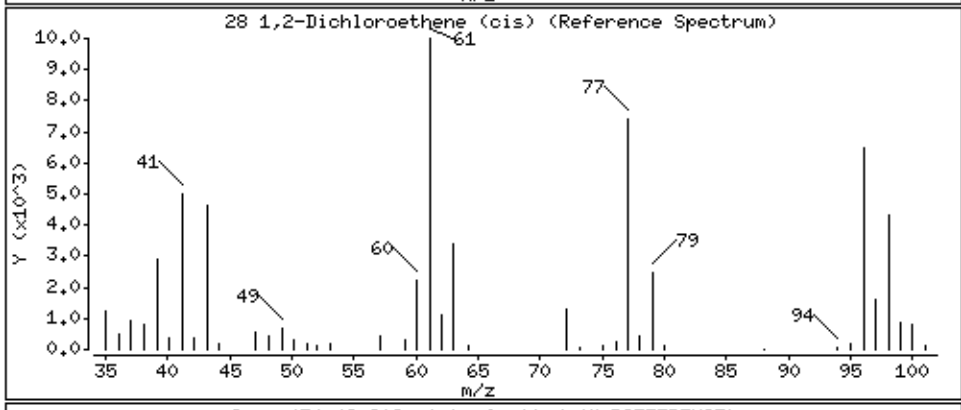
28 1,2-Dichloroethene (cis)

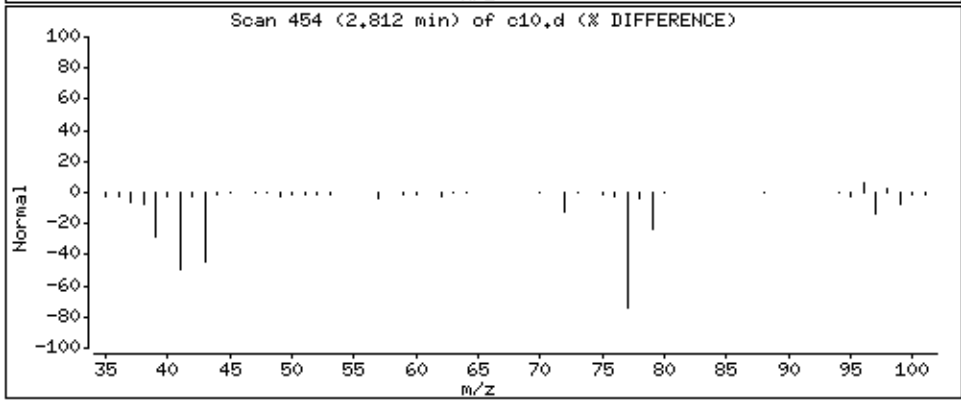
Concentration: 496 ppb

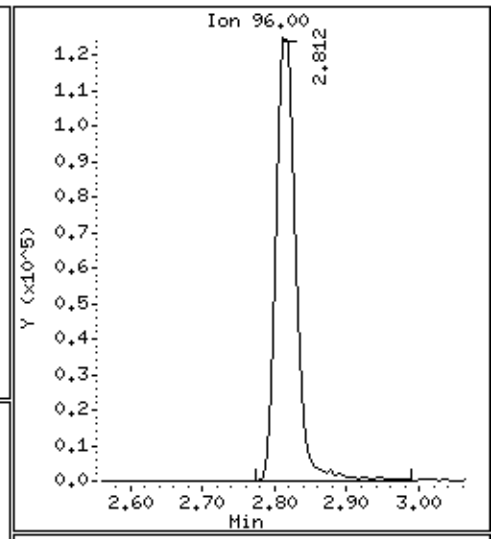
Review Code:

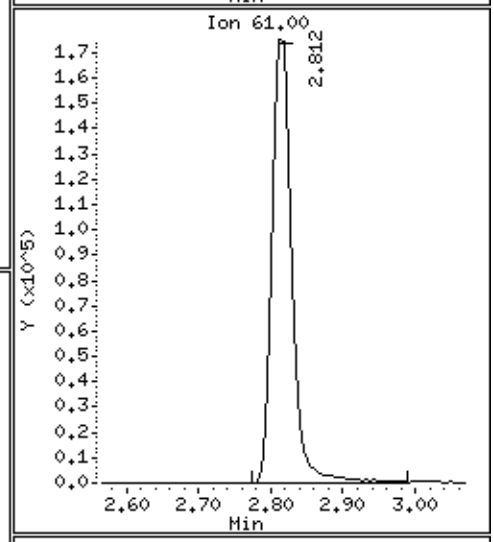


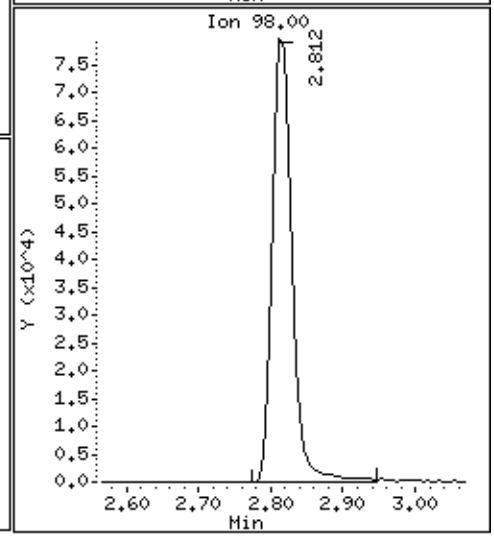












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d

Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

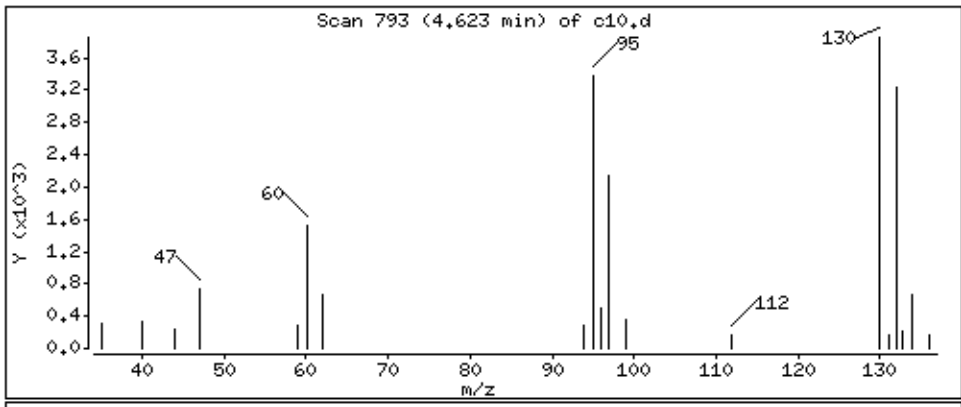
Column phase: DB-624

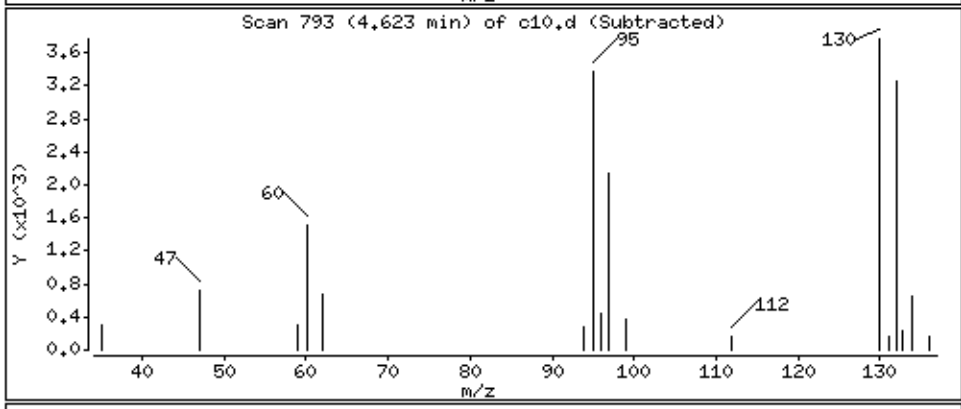
Column diameter: 0.18

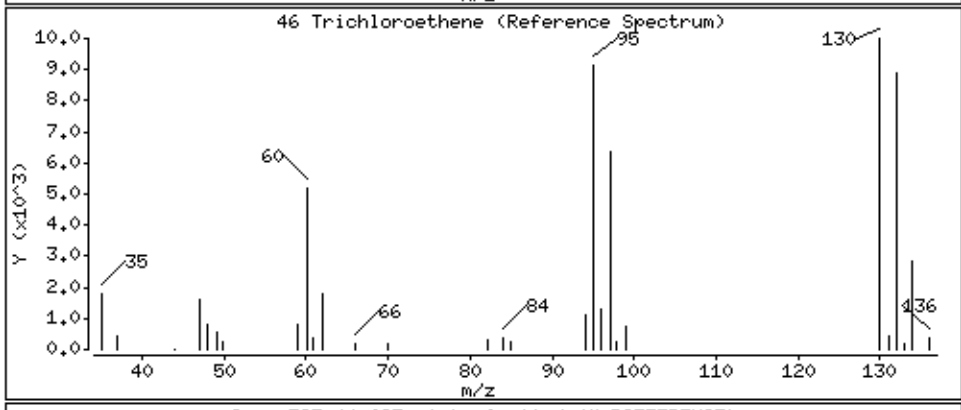
46 Trichloroethene

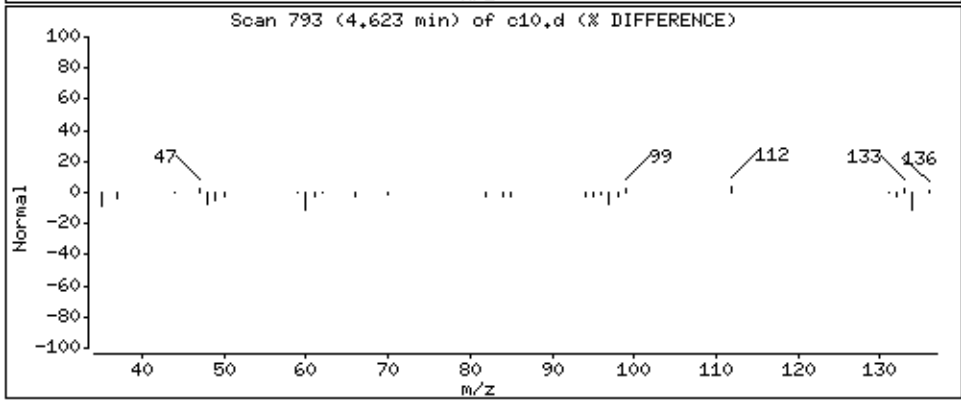
Concentration: 14.6 ppb

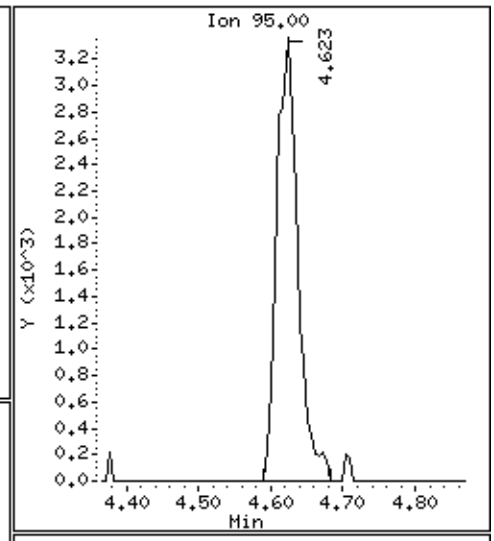
Review Code:

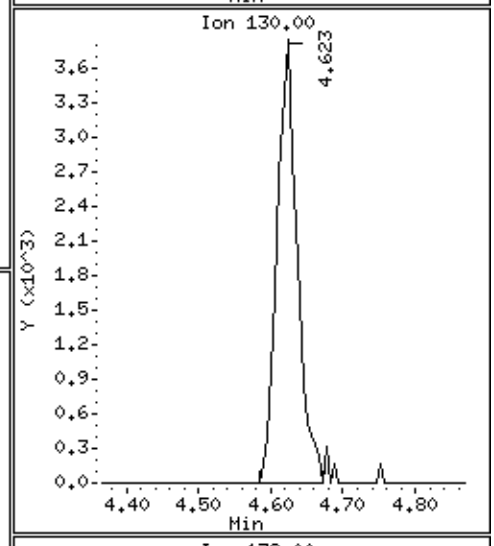


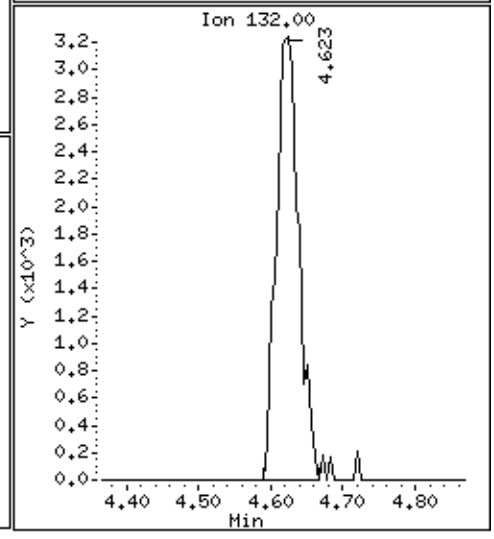












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d

Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

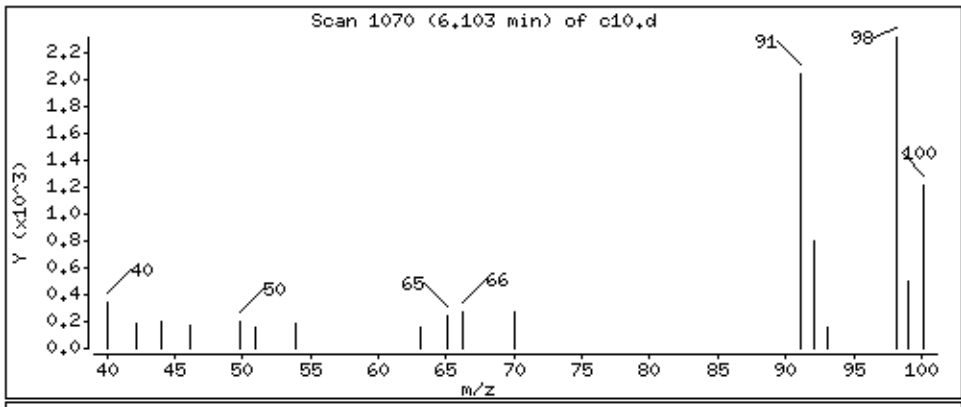
Column phase: DB-624

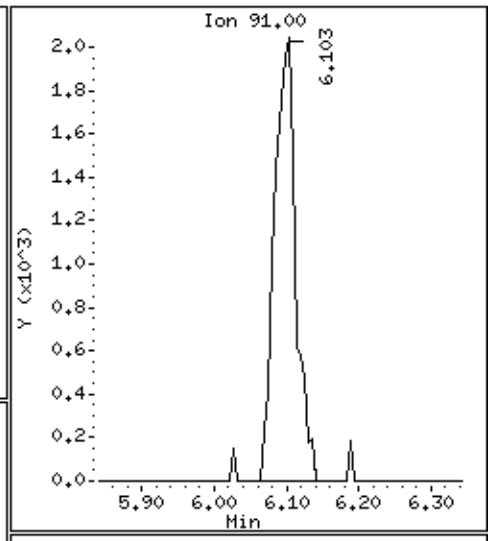
Column diameter: 0.18

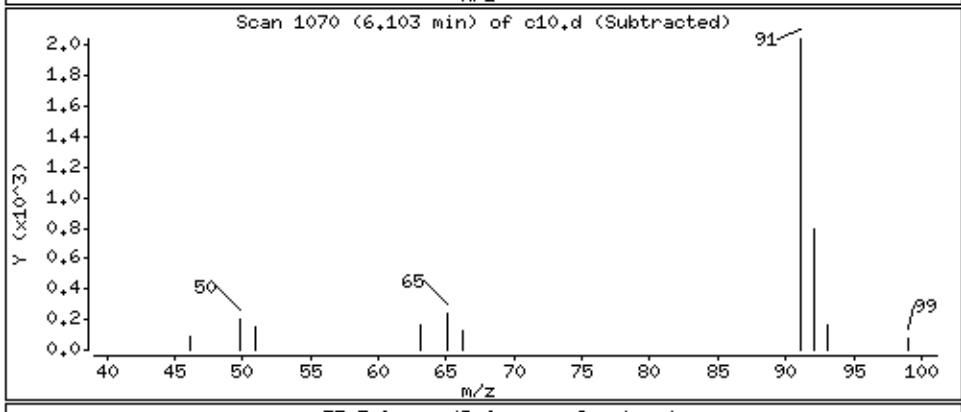
57 Toluene

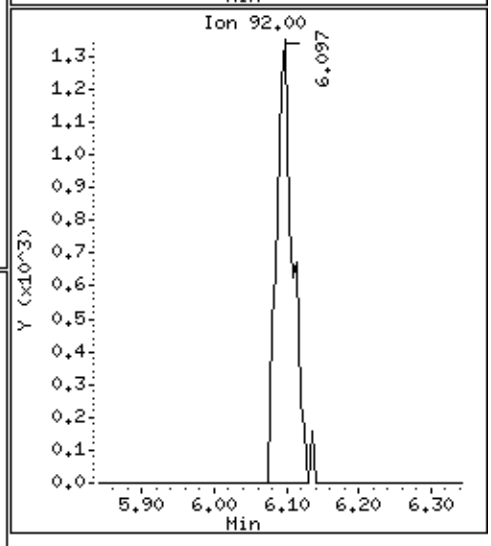
Concentration: 1.90 ppb

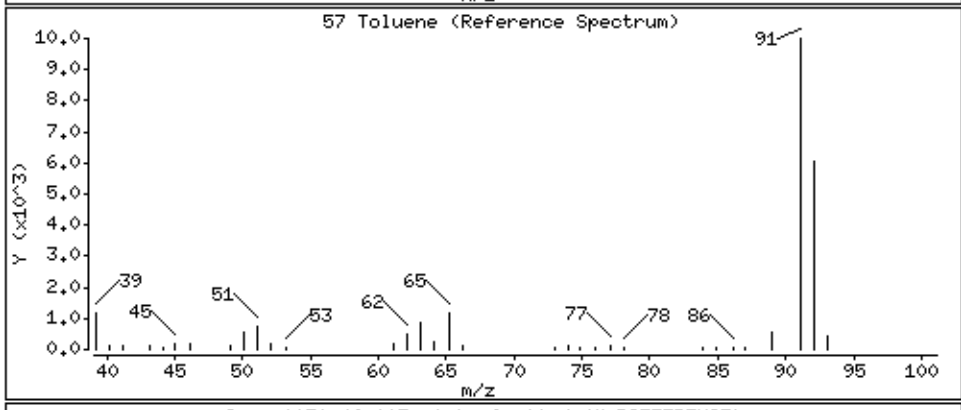
Review Code:

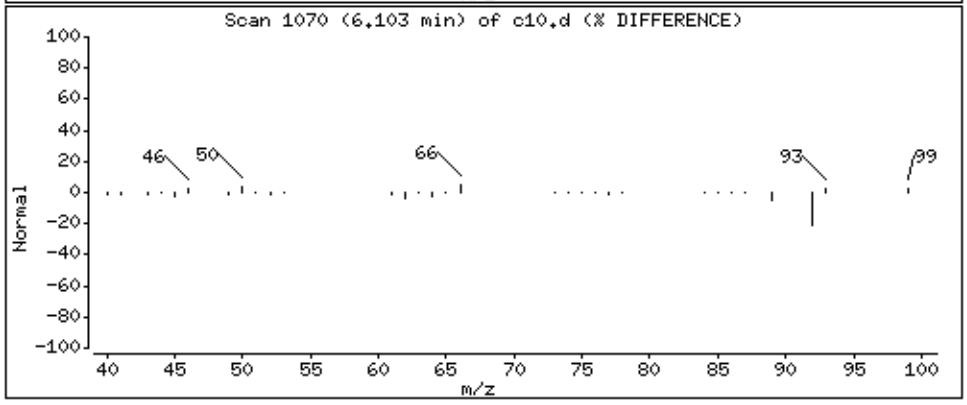












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c10.d

Date : 11-OCT-2016 02:36

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366005x5

Purge Volume: 5.0

Operator: jlz

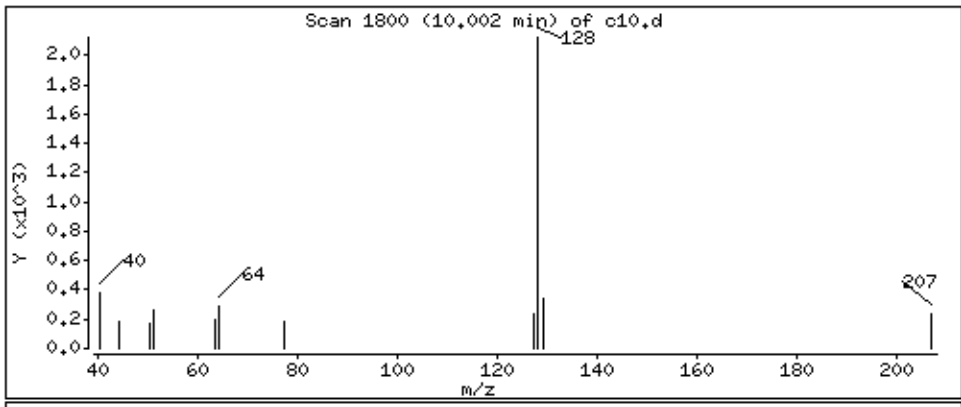
Column phase: DB-624

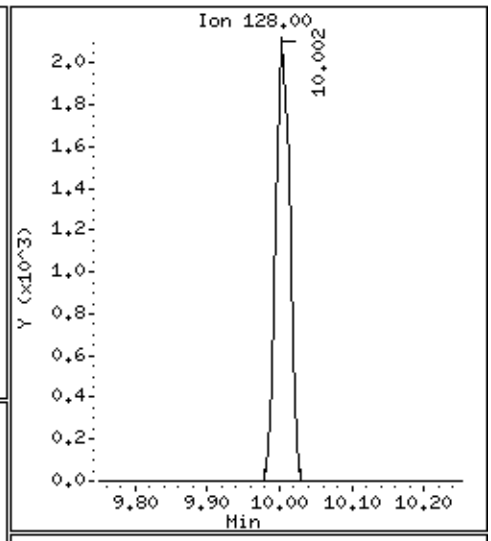
Column diameter: 0.18

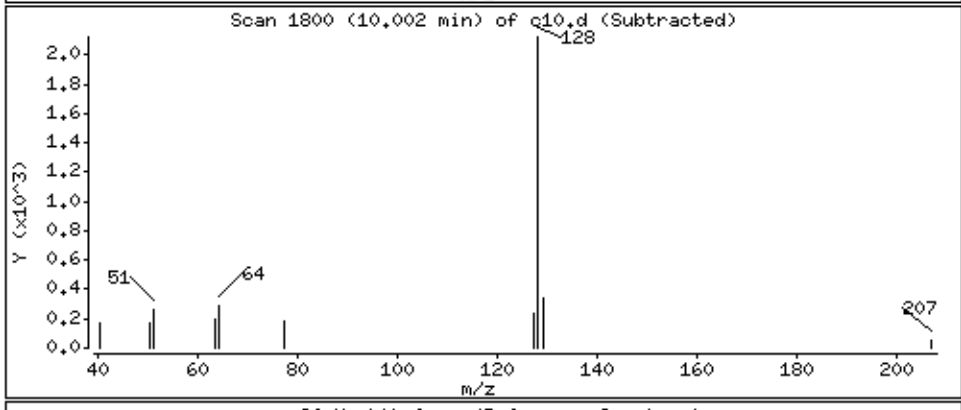
96 Naphthalene

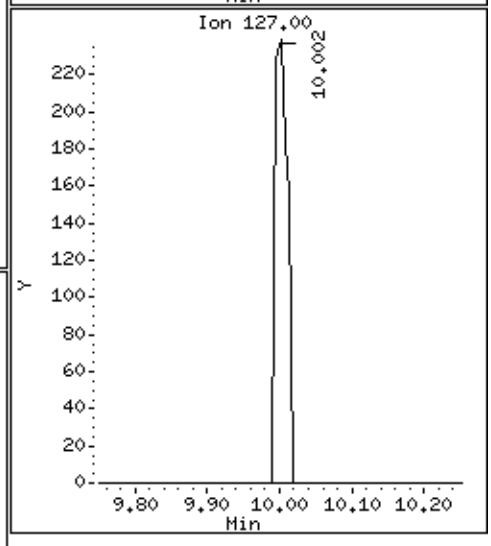
Concentration: 2.79 ppb

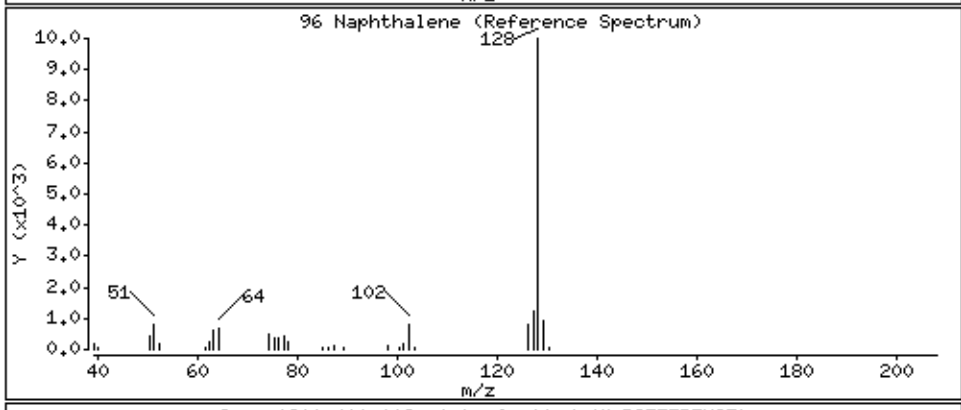
Review Code:

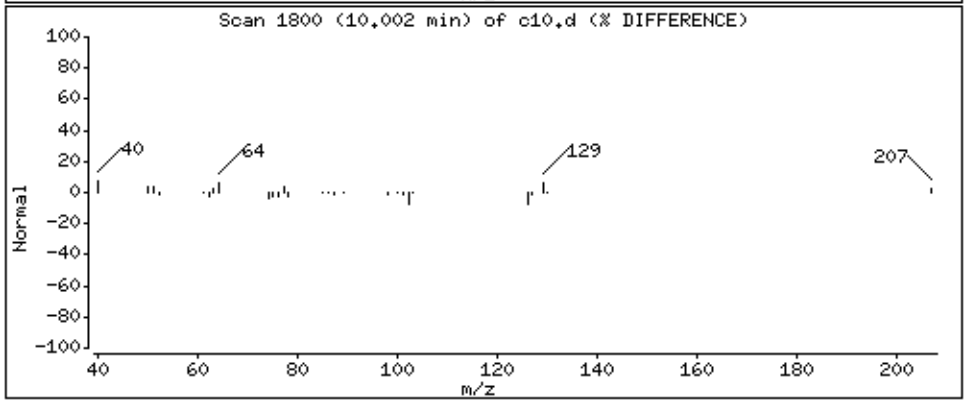












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Injection Date: 11-OCT-2016 02:36
Instrument: 50mv3a.i
Lab Sample ID: 50155366005
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0609-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 16:29 Lab Sample ID: 50155366005

Date Analyzed: 10/06/2016 16:29 Lab File ID: B100616.B\B08.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	49.7	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U

SAMPLE NO.

MW-0609-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 16:29 Lab Sample ID: 50155366005

Date Analyzed: 10/06/2016 16:29 Lab File ID: B100616.B\B08.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	17.1	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	18.1	
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d
Lab Smp Id: 50155366005 Client Smp ID: MW-0609-S1(092716)P
Inj Date : 06-OCT-2016 16:29
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366005
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.046	1.044	(0.251)	52965	18.1156	18.1	
	11 1,1-Dichloroethene	96	1.602	1.600	(0.384)	2277	1.30524	1.30	
	12 Acetone	43	1.612	1.610	(0.387)	28709	80.0274	80.0	
	18 Methylene Chloride	84	1.874	1.872	(0.449)	19443	7.88076	7.88	
	19 tert-Butyl Alcohol	59	1.917	1.915	(0.460)	1526	11.2211	11.2(Q)	
	22 1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	99066	49.6759	49.7	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	1142545	540.987	541(Q)	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	87048	48.7236	48.7	
	37 Cyclohexane	56	3.428	3.426	(0.822)	3215	0.81752	0.818	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	388040	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	33313	17.0909	17.1	
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	386705	46.2698	46.3	
	56 Toluene	91	6.099	6.097	(0.831)	4790	0.46110	0.461	
*	65 Chlorobenzene-D5 (IS)	117	7.343	7.347	(1.000)	282908	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	134893	51.2749	51.3	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	138557	50.0000		

QC Flag Legend

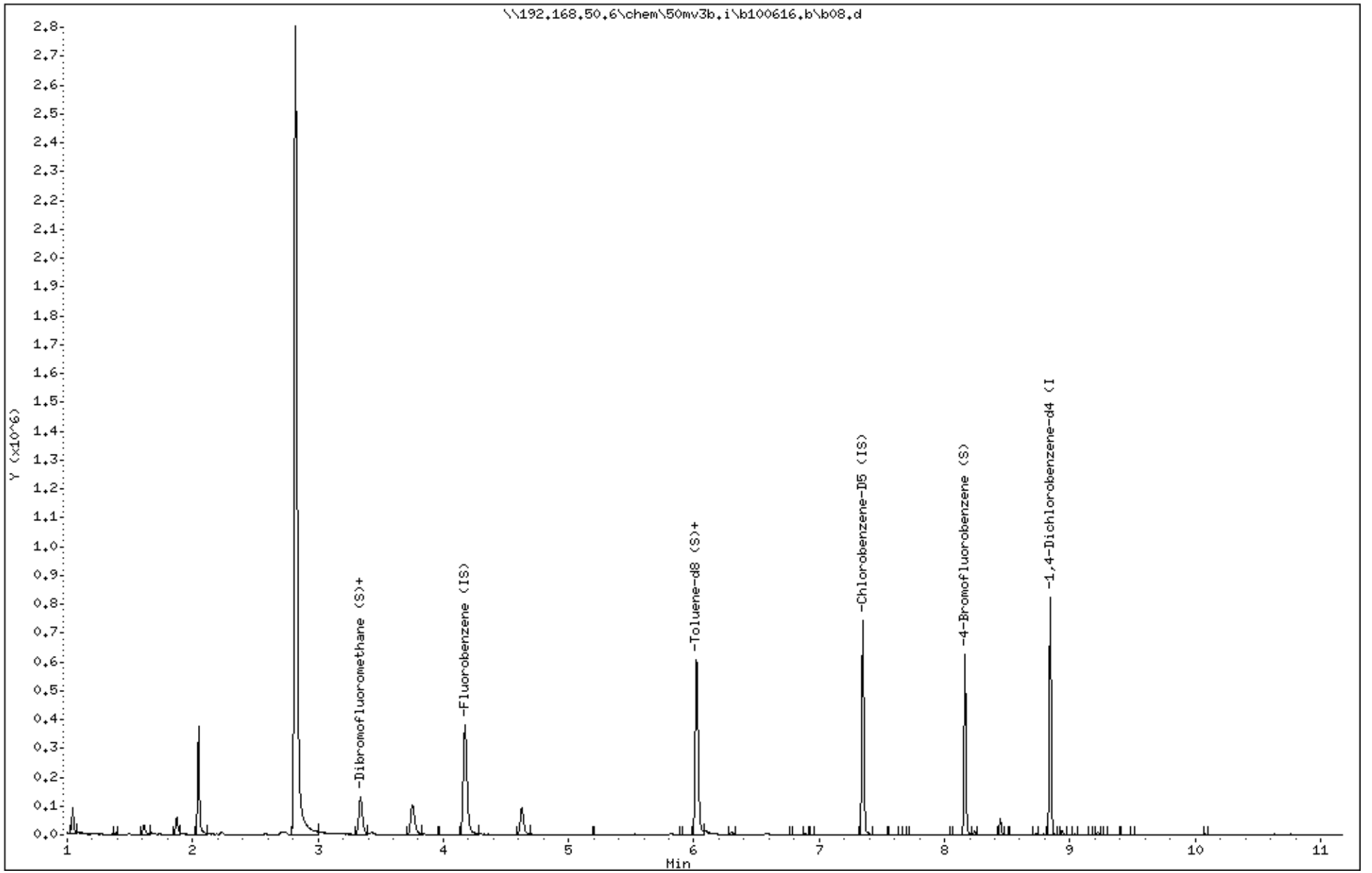
Q - Qualifier signal failed the ratio test.

QC Flag Legend

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d
Date : 06-OCT-2016 16:29
Client ID: MW-0609-S1(092716)P
Instrument: 50mv3b.i
Sample Info: 50155366005
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

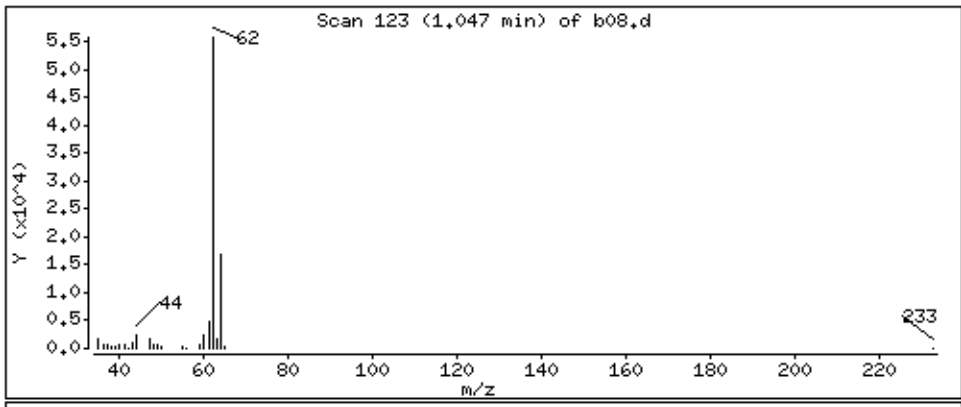
Column phase: DB-624

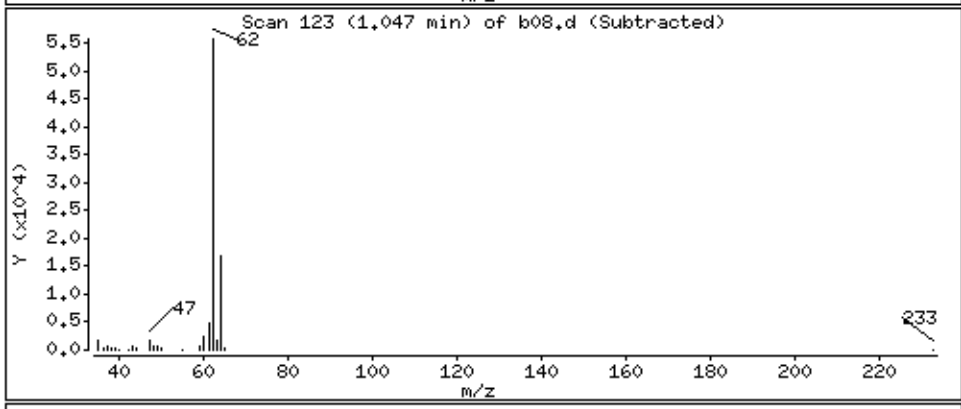
Column diameter: 0.18

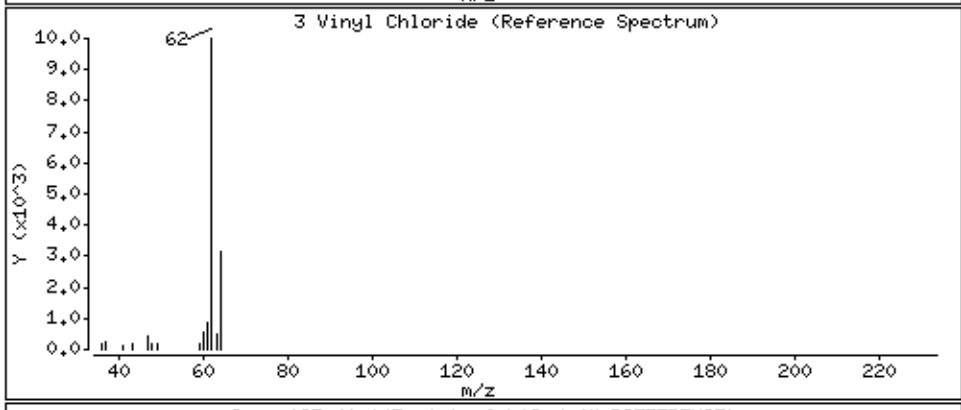
3 Vinyl Chloride

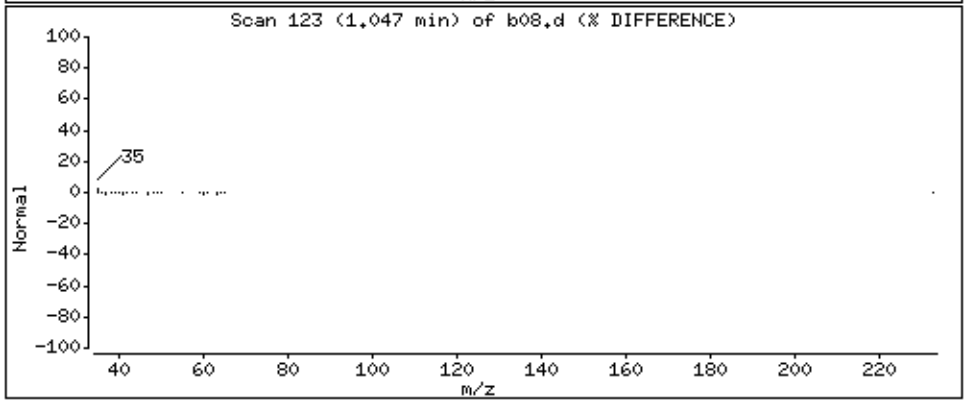
Concentration: 18.1 ppb

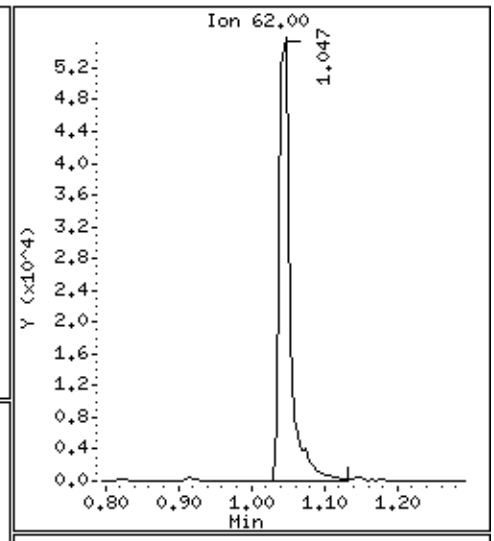
Review Code:

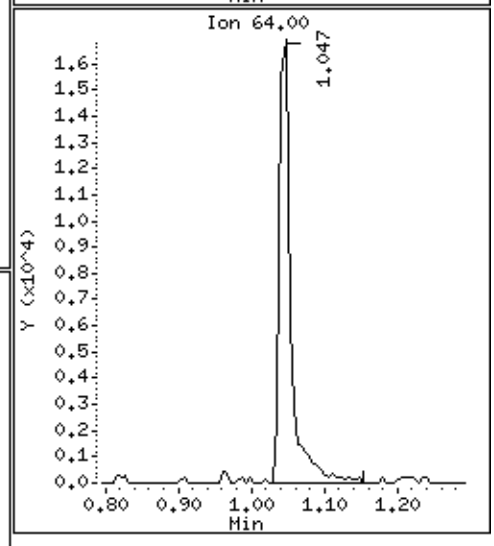












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

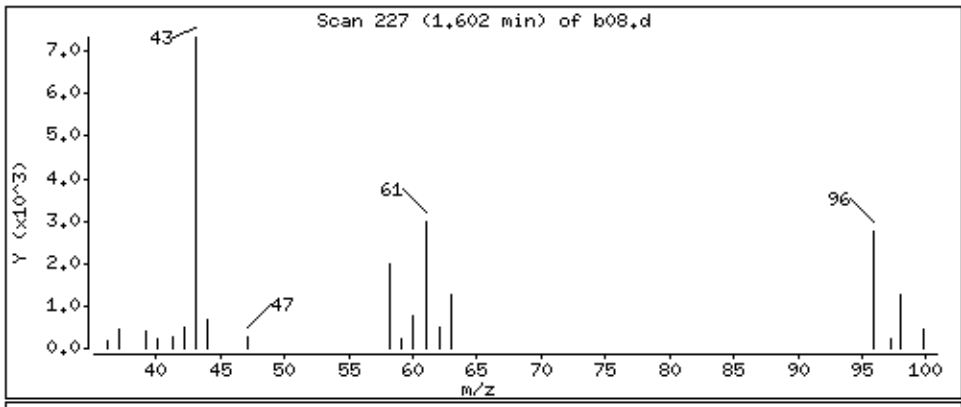
Column phase: DB-624

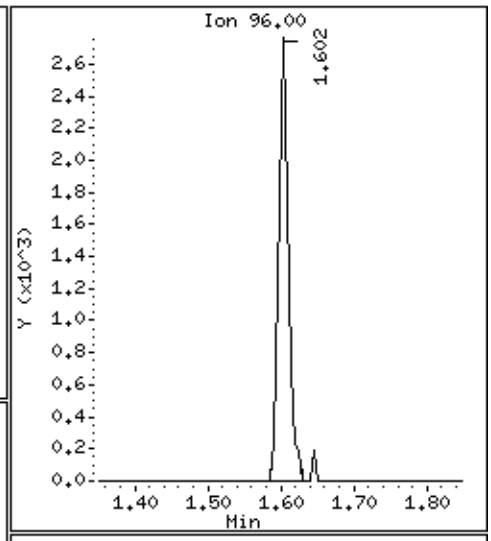
Column diameter: 0.18

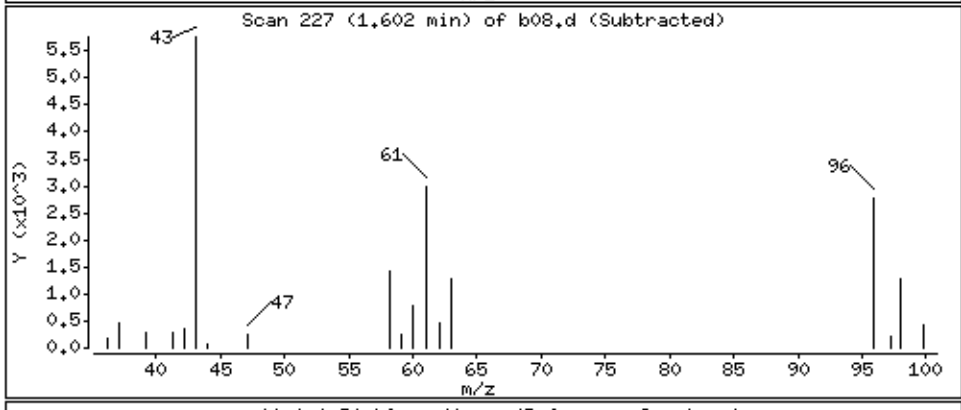
11 1,1-Dichloroethene

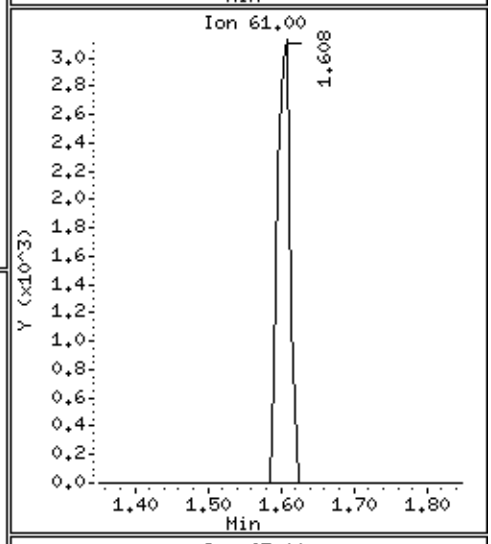
Concentration: 1.30 ppb

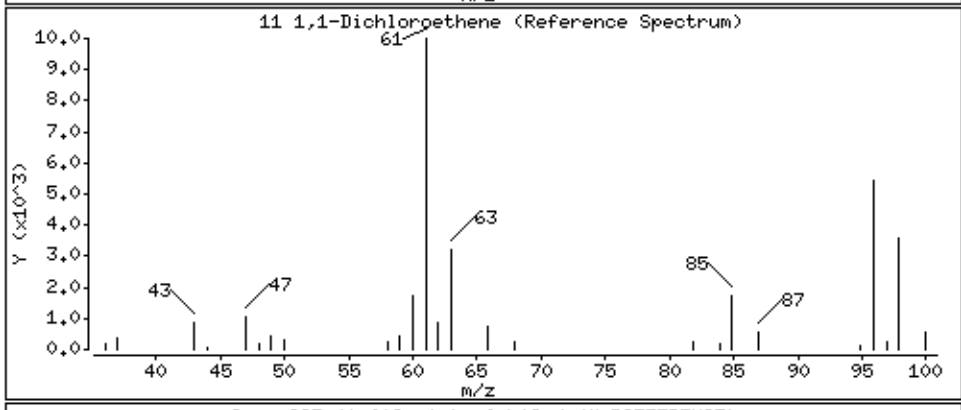
Review Code:

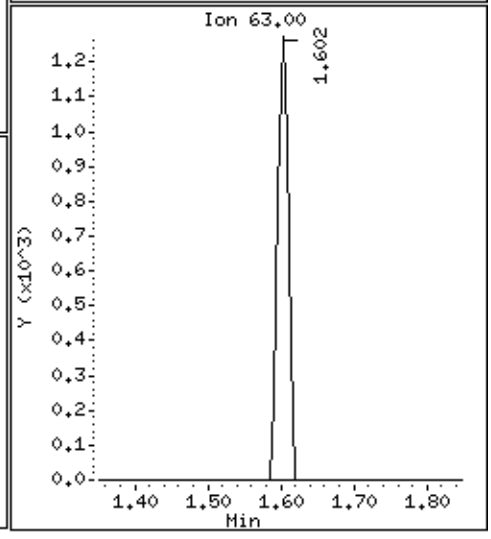


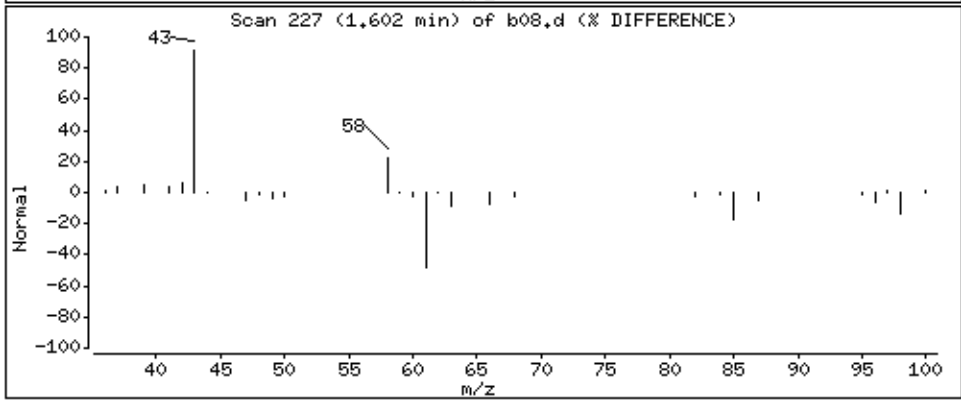












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Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

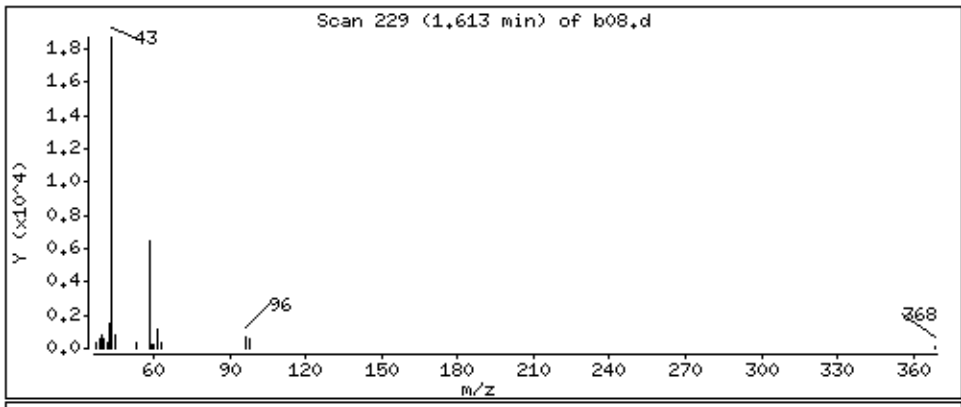
Column phase: DB-624

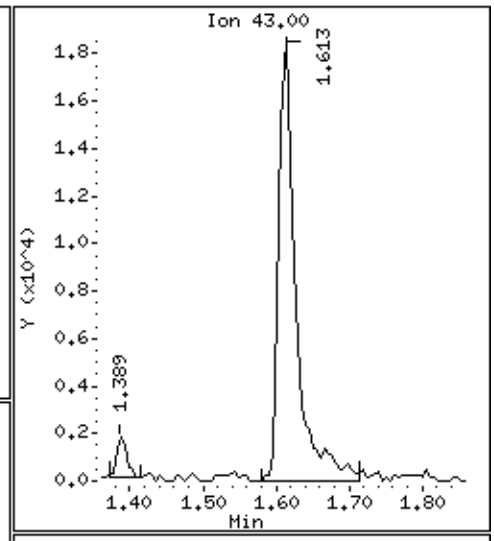
Column diameter: 0.18

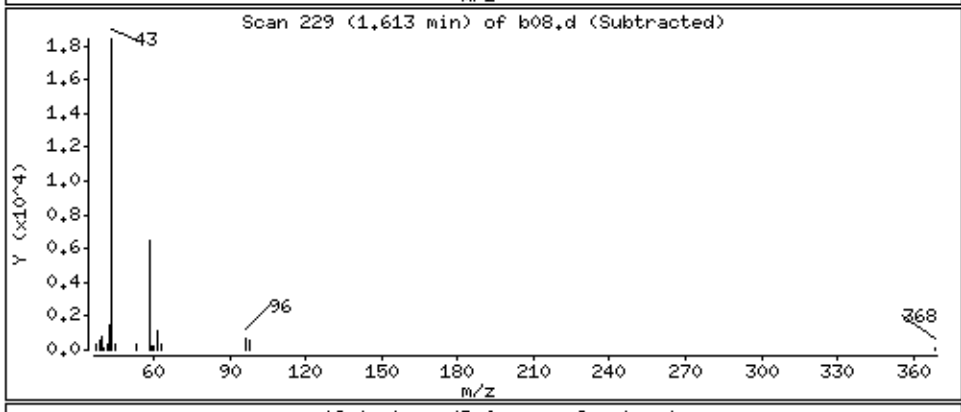
12 Acetone

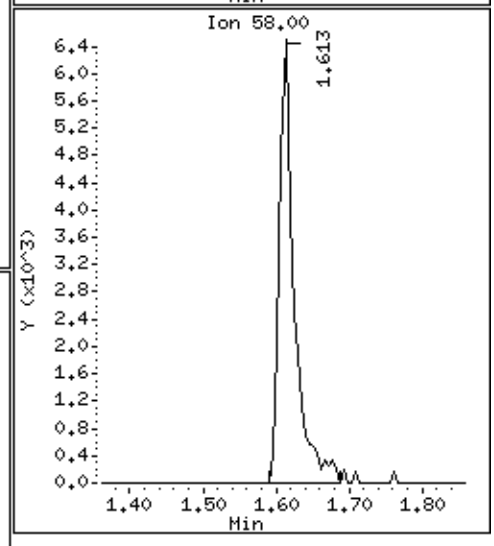
Concentration: 80.0 ppb

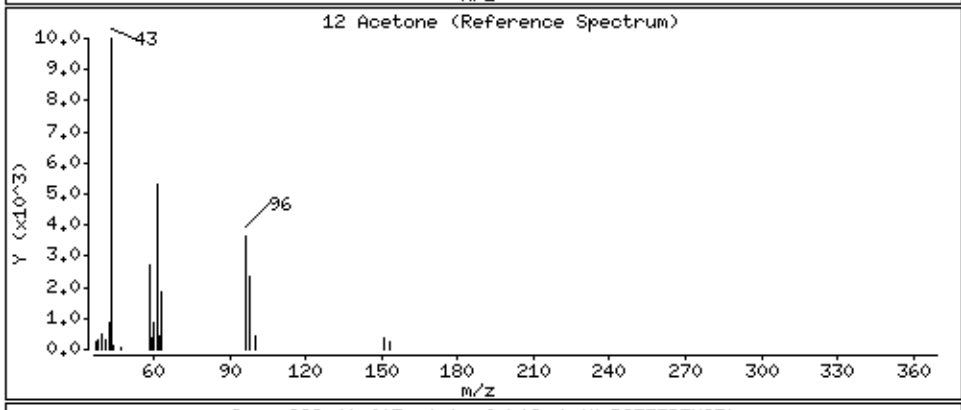
Review Code:

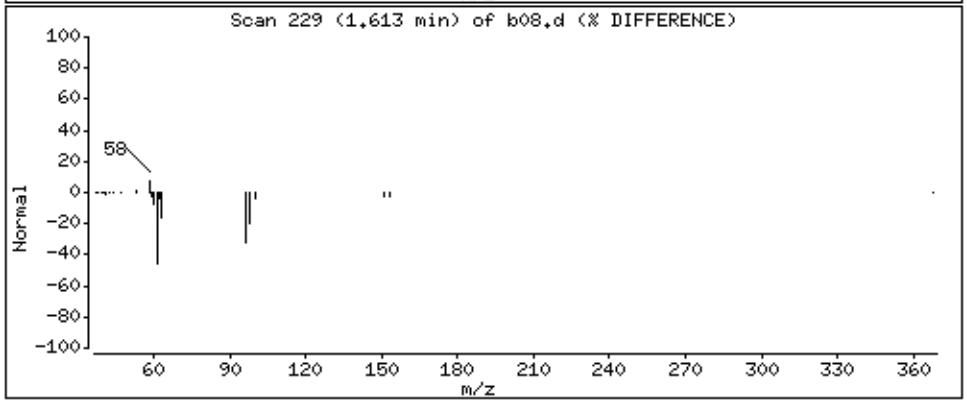












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

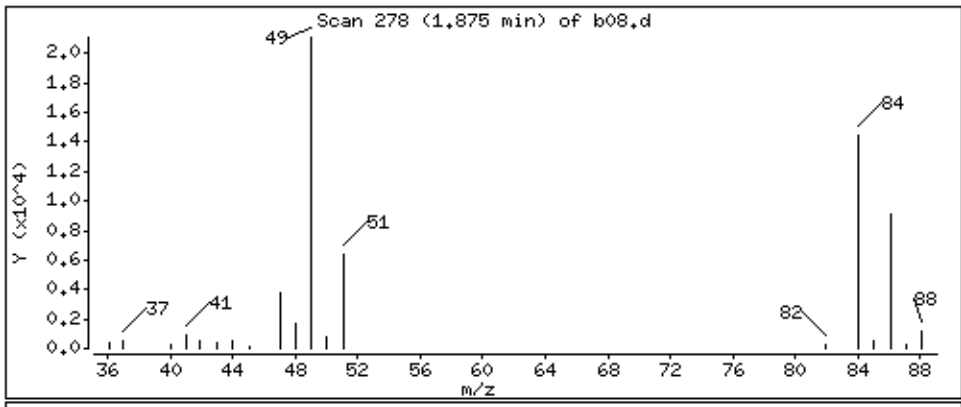
Column phase: DB-624

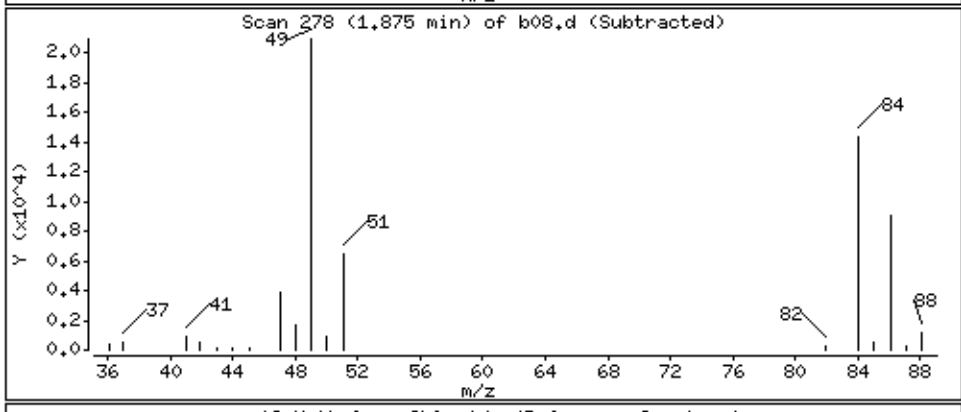
Column diameter: 0.18

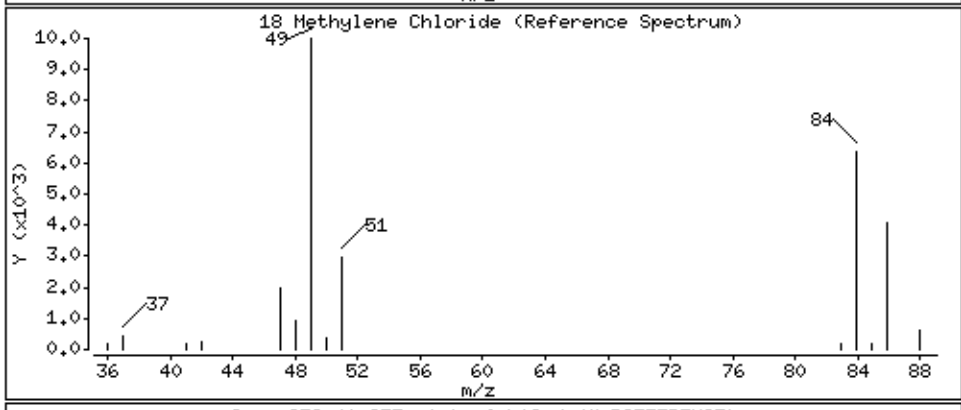
18 Methylene Chloride

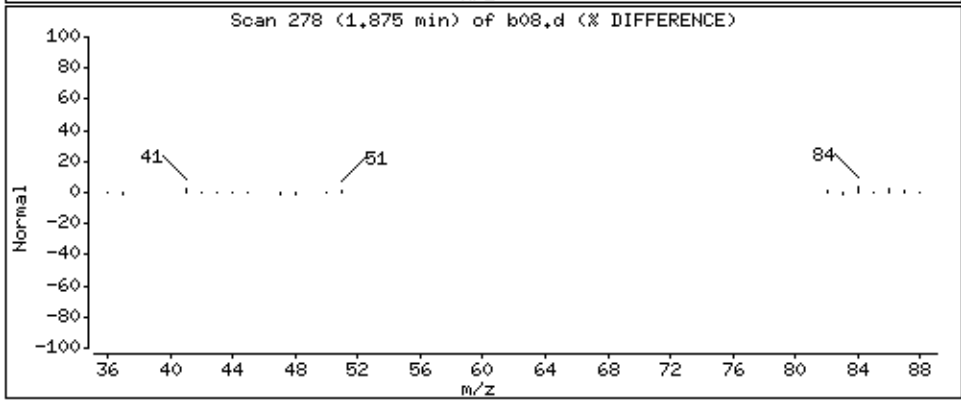
Concentration: 7.88 ppb

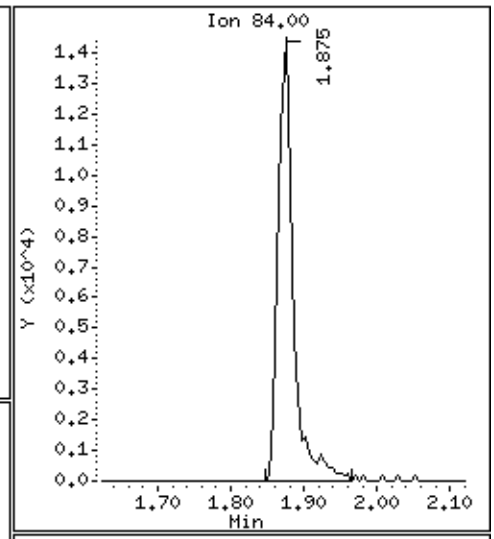
Review Code:

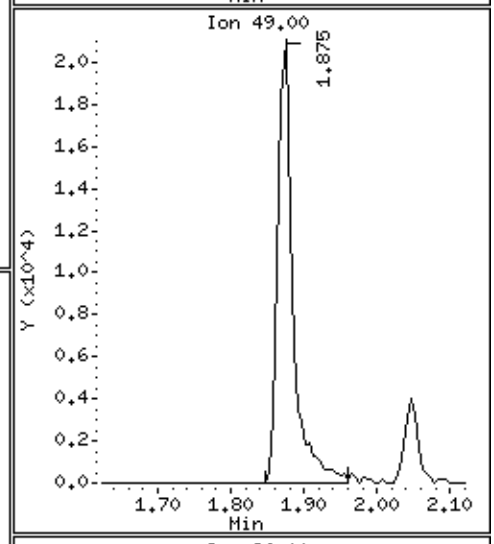


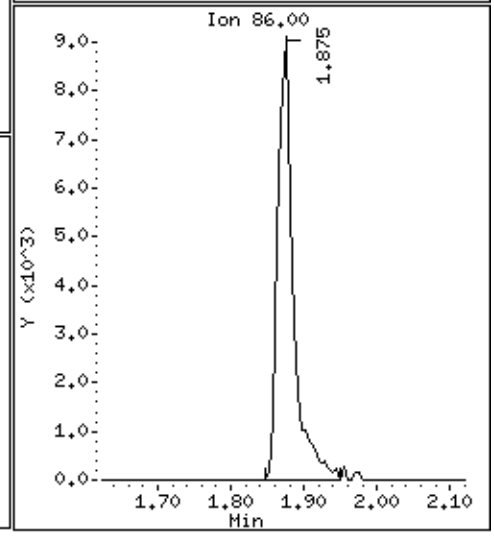












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

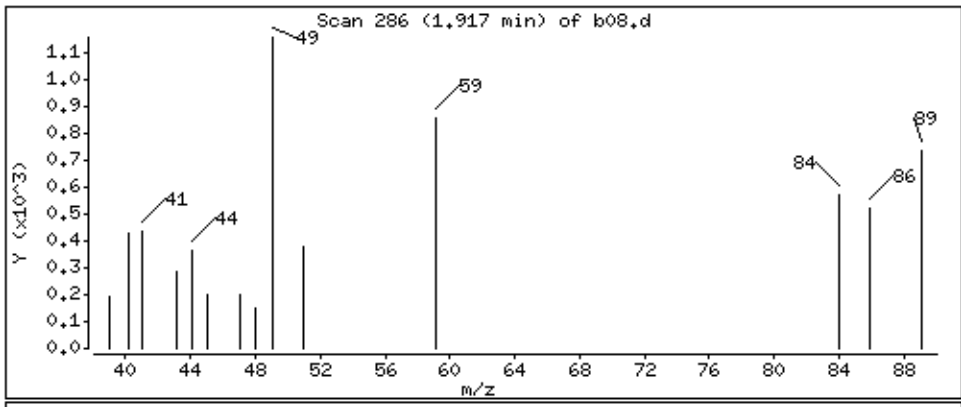
Column phase: DB-624

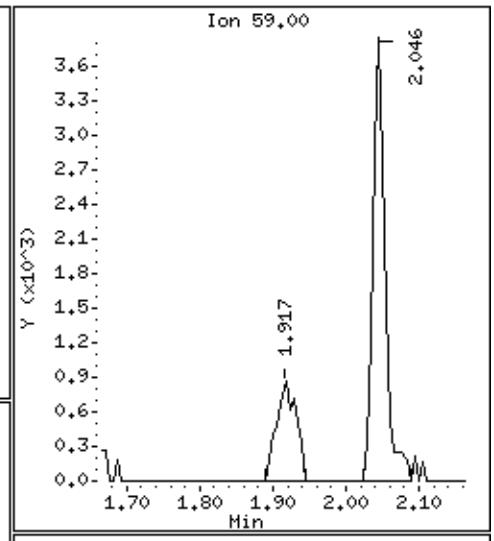
Column diameter: 0.18

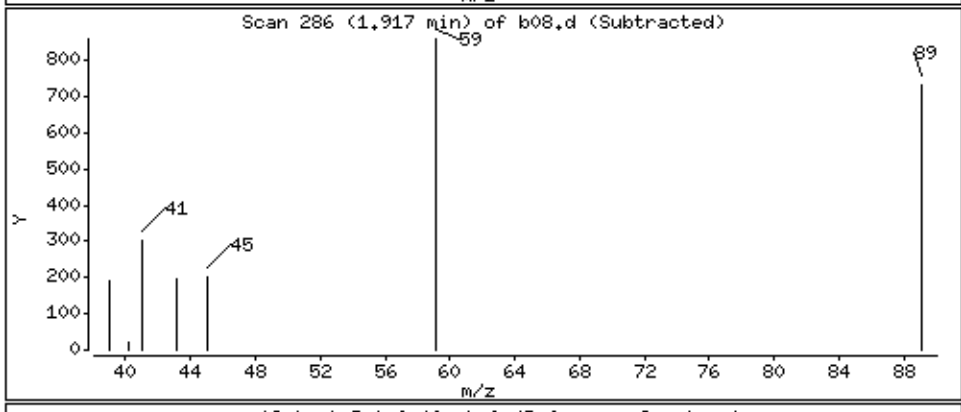
19 tert-Butyl Alcohol

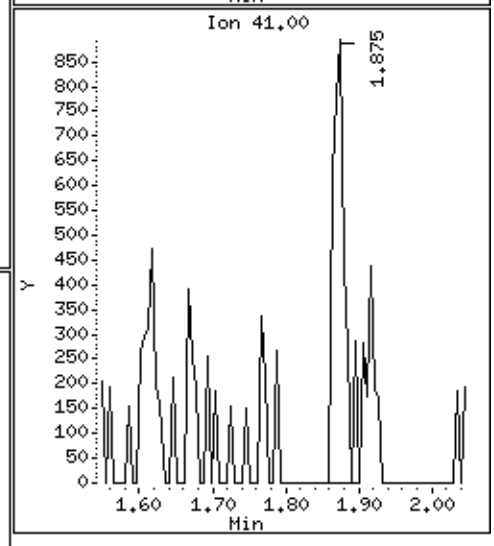
Concentration: 11.2 ppb

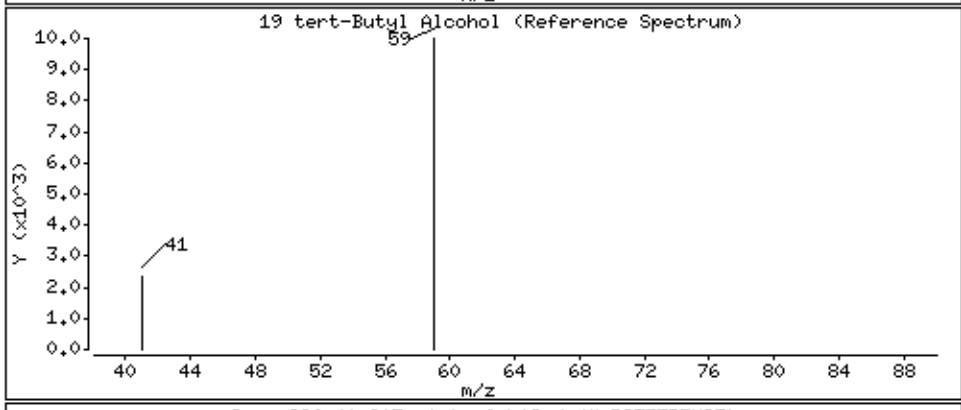
Review Code:

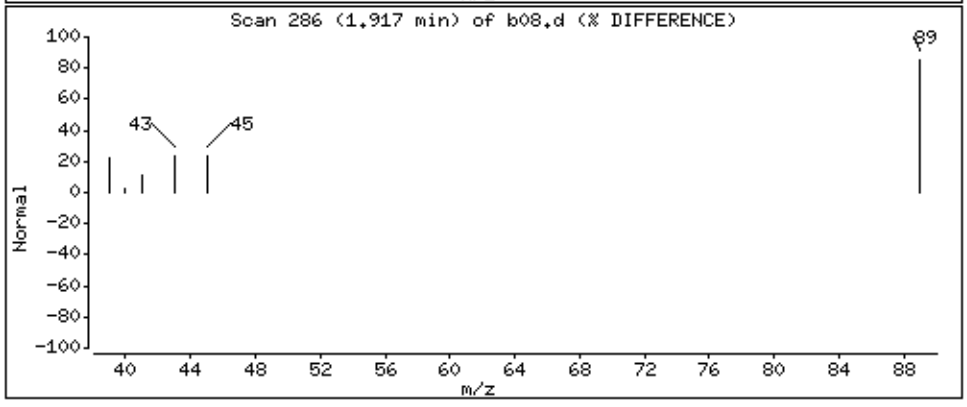












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

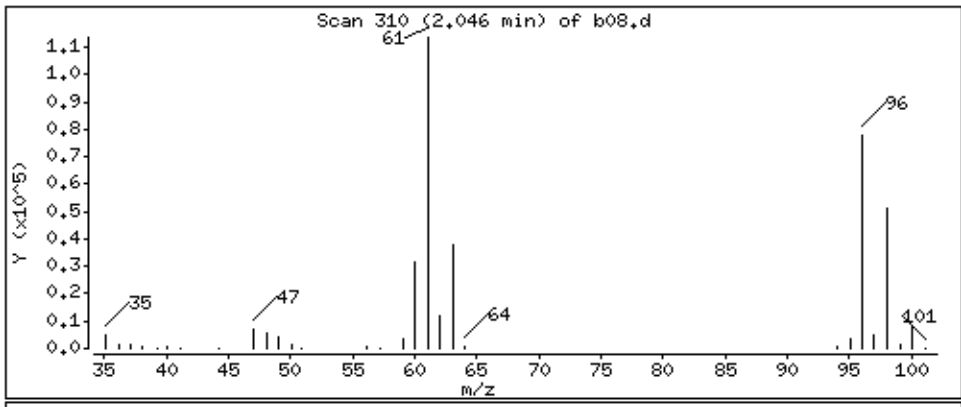
Column phase: DB-624

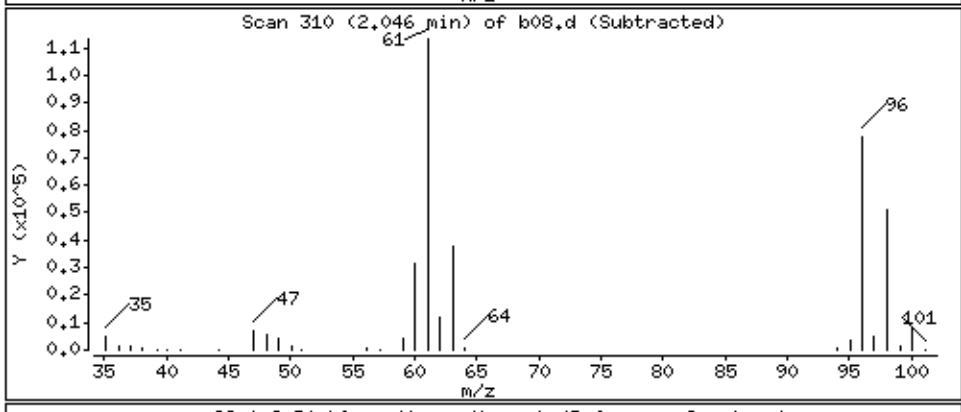
Column diameter: 0.18

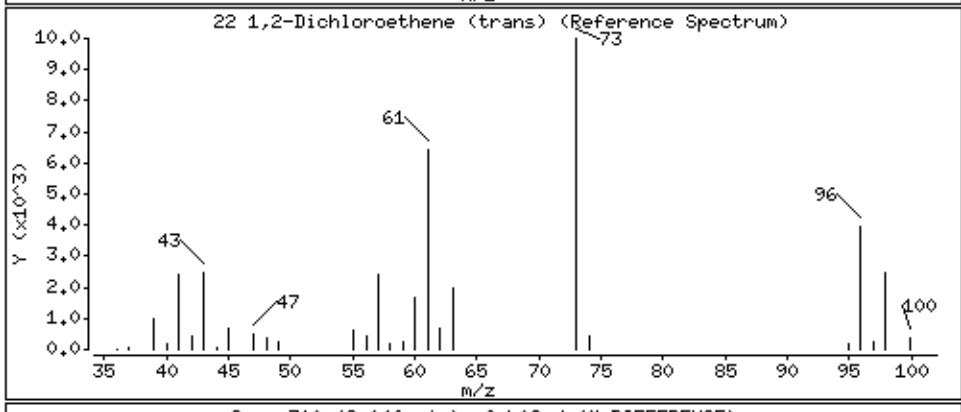
22 1,2-Dichloroethene (trans)

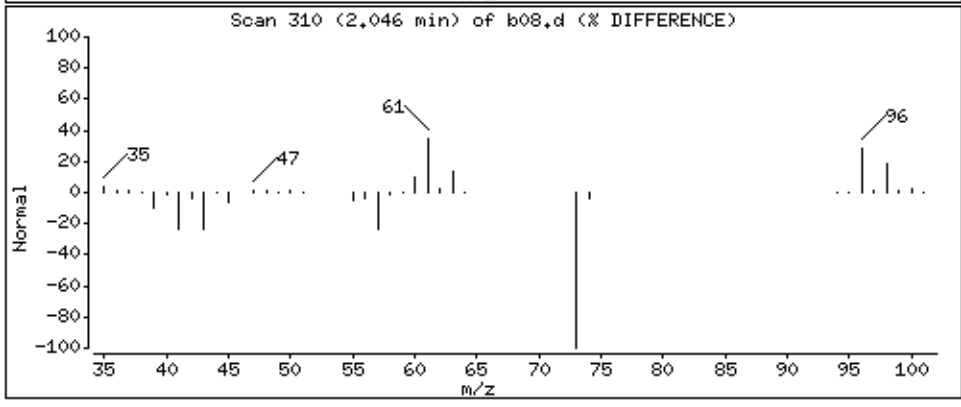
Concentration: 49.7 ppb

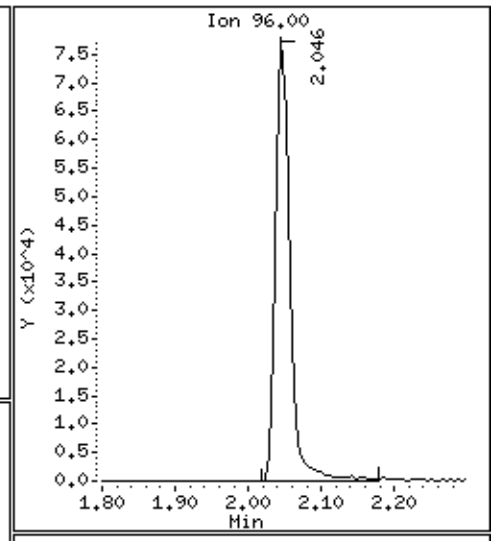
Review Code:

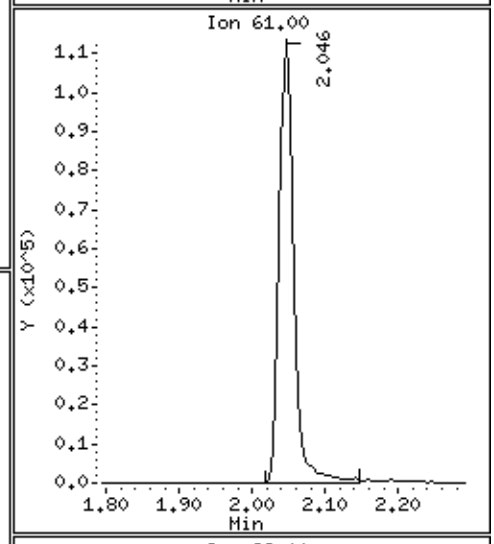


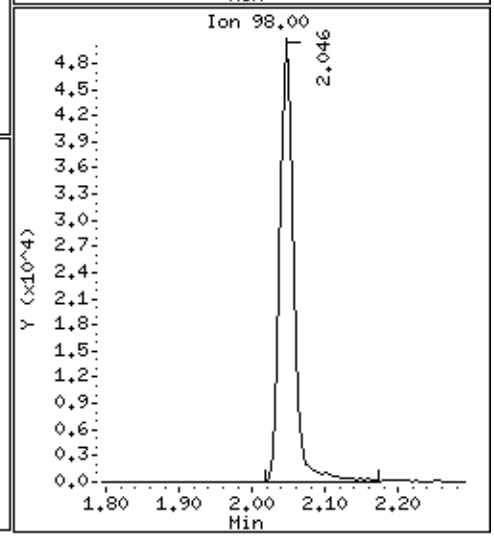












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Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

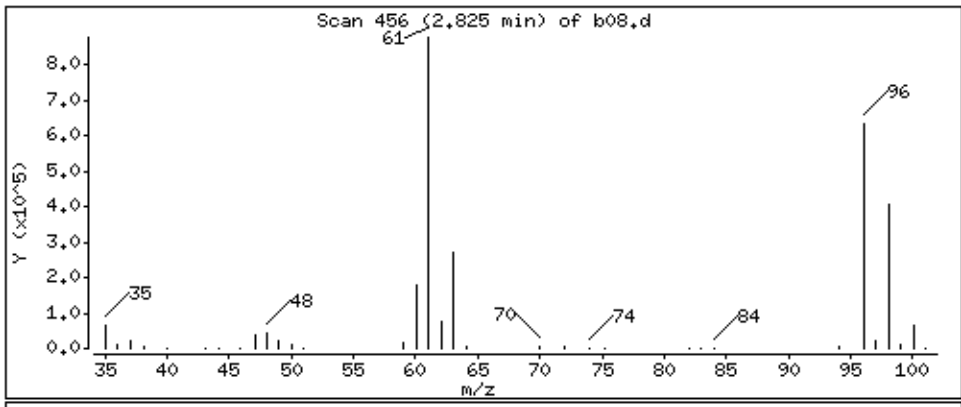
Column phase: DB-624

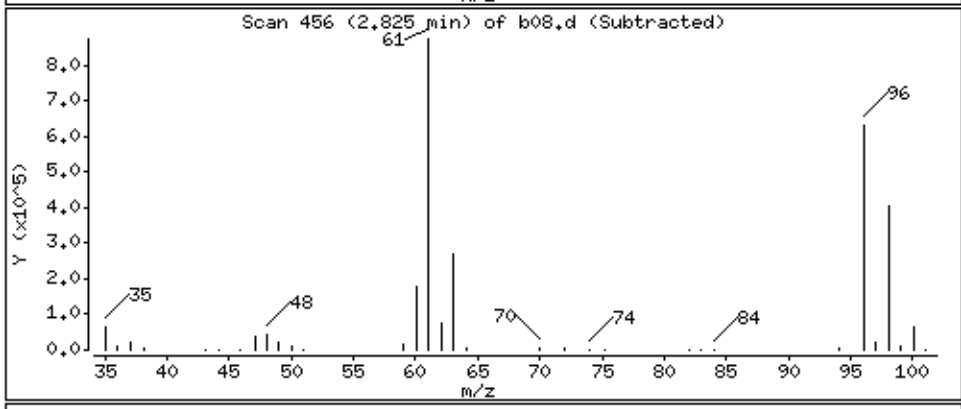
Column diameter: 0.18

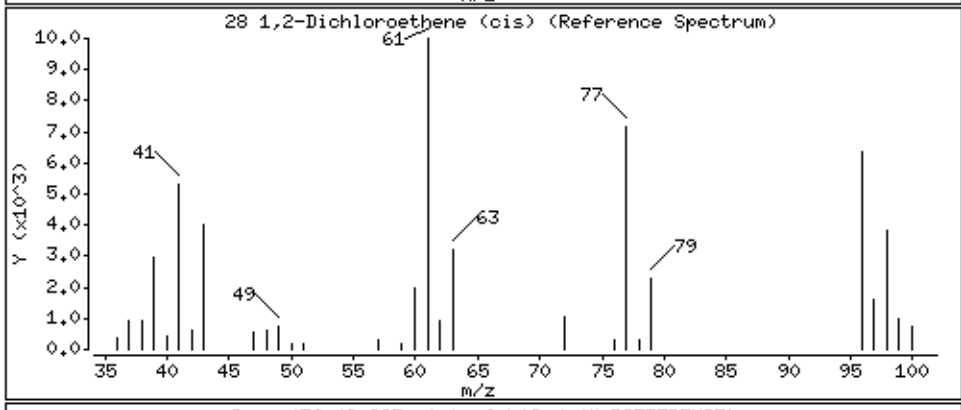
28 1,2-Dichloroethene (cis)

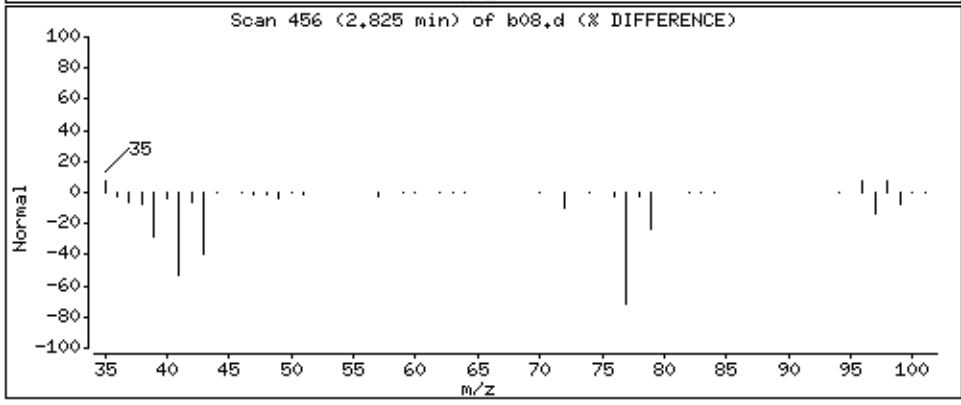
Concentration: 541 ppb

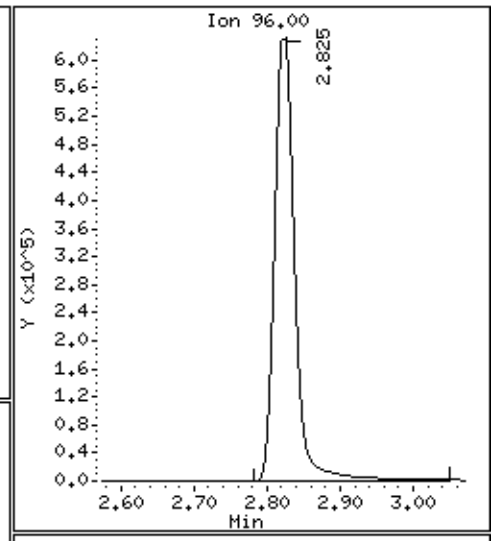
Review Code:

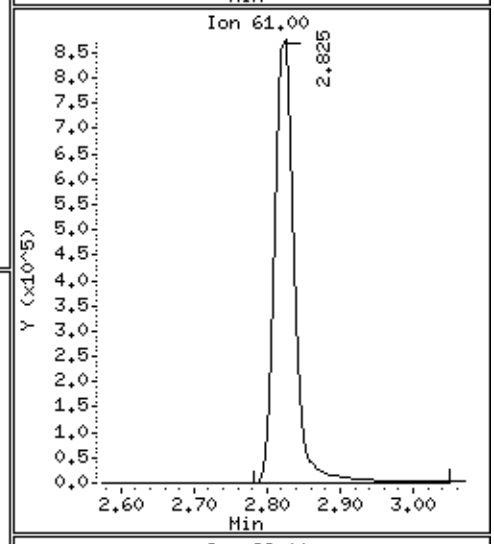


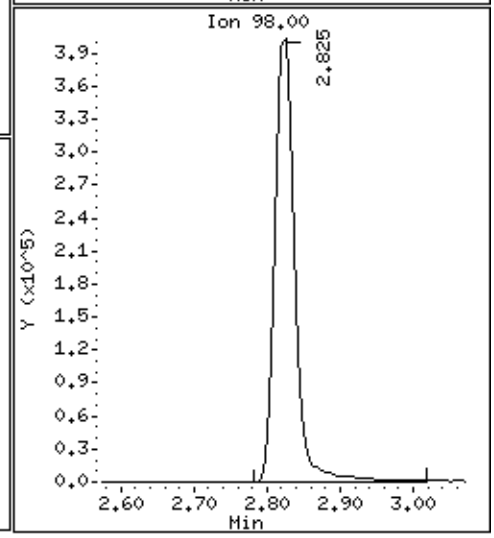












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

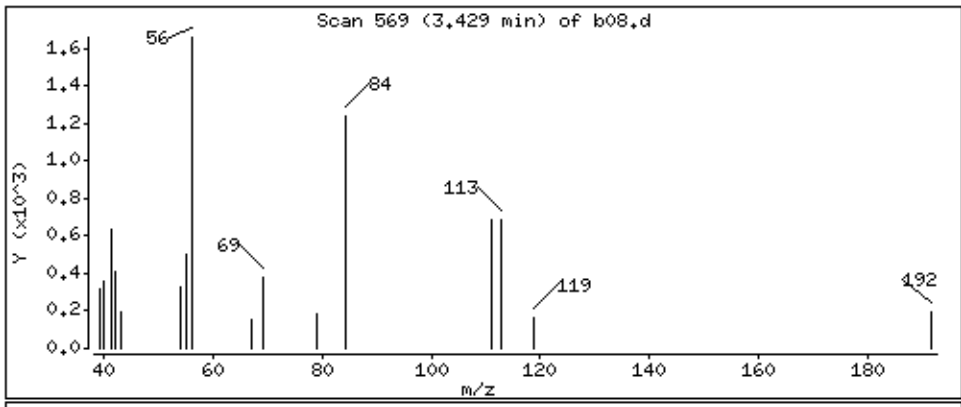
Column phase: DB-624

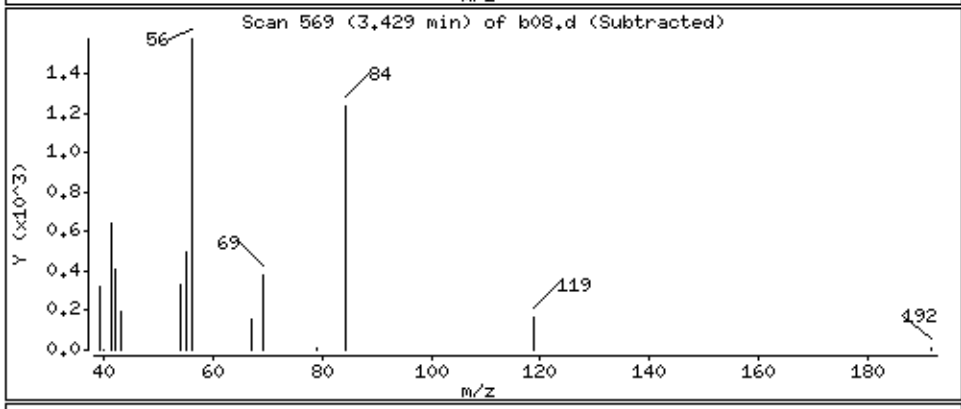
Column diameter: 0.18

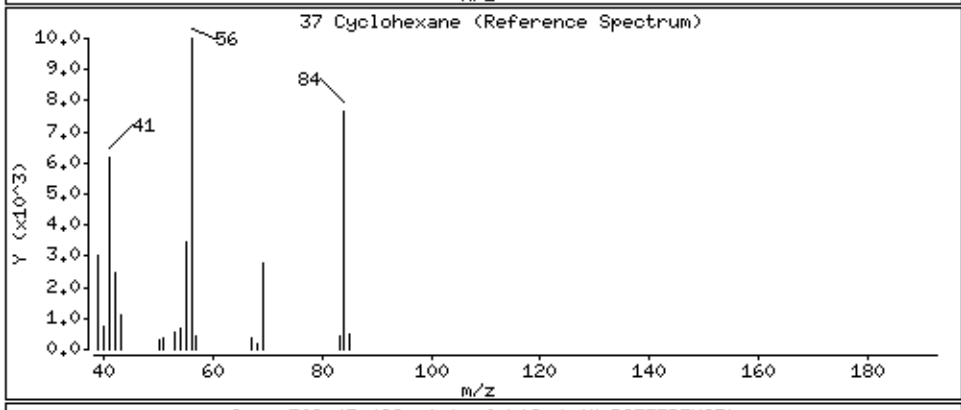
37 Cyclohexane

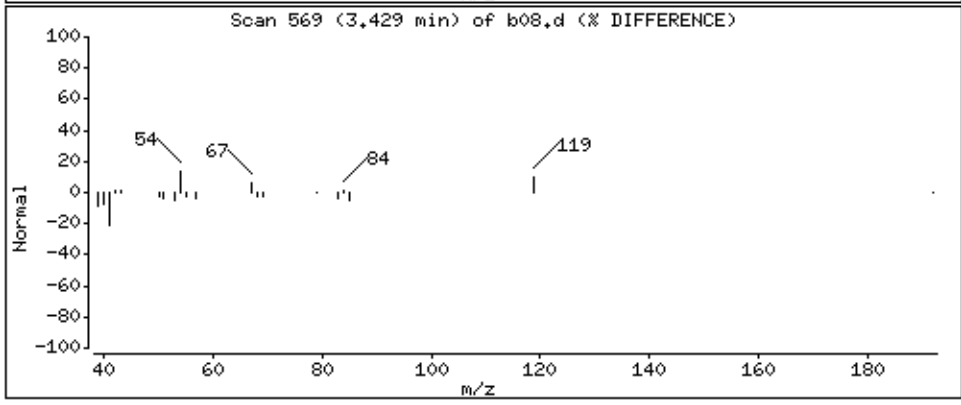
Concentration: 0.818 ppb

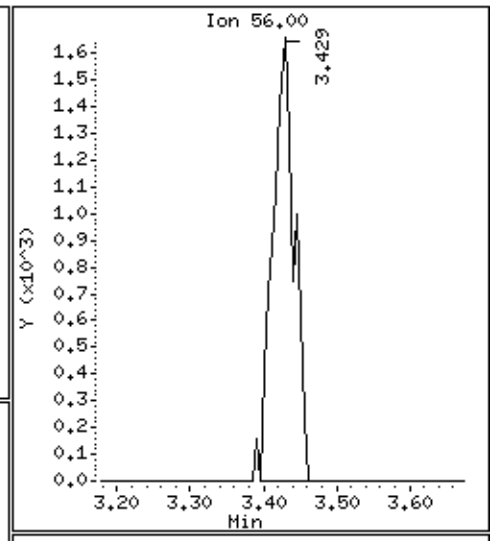
Review Code:

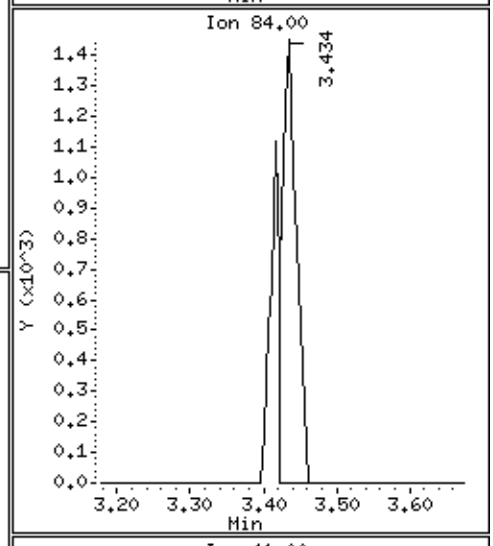


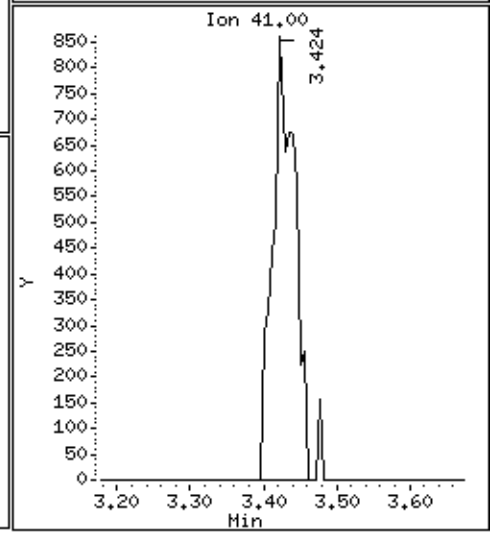












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

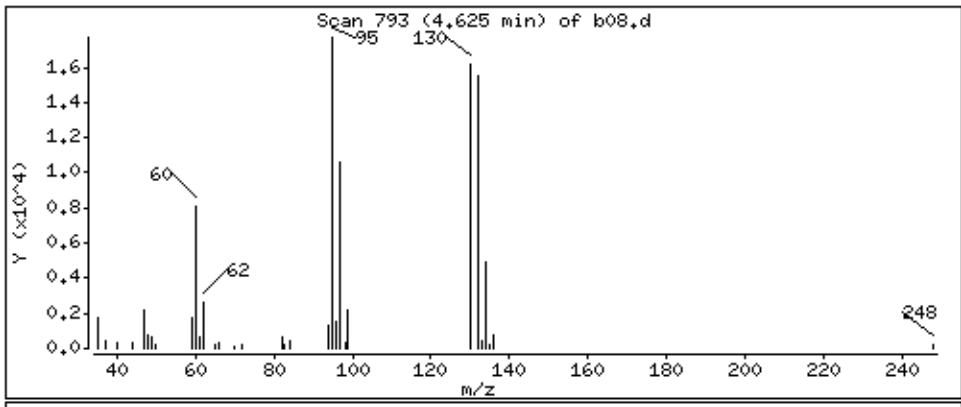
Column phase: DB-624

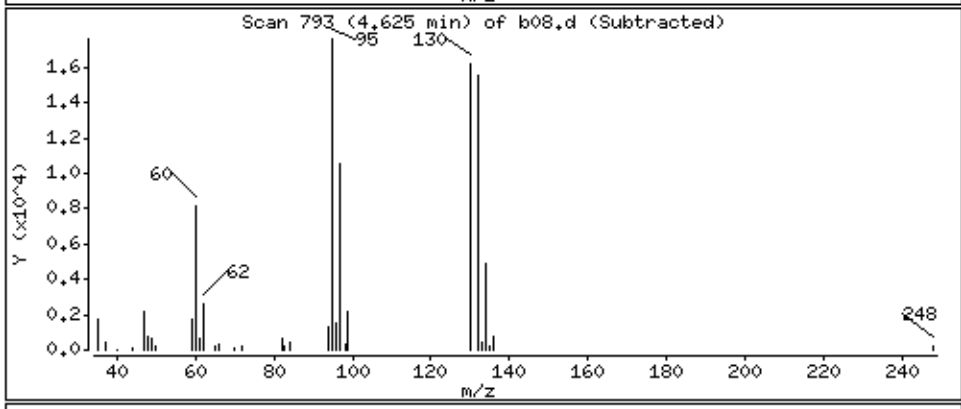
Column diameter: 0.18

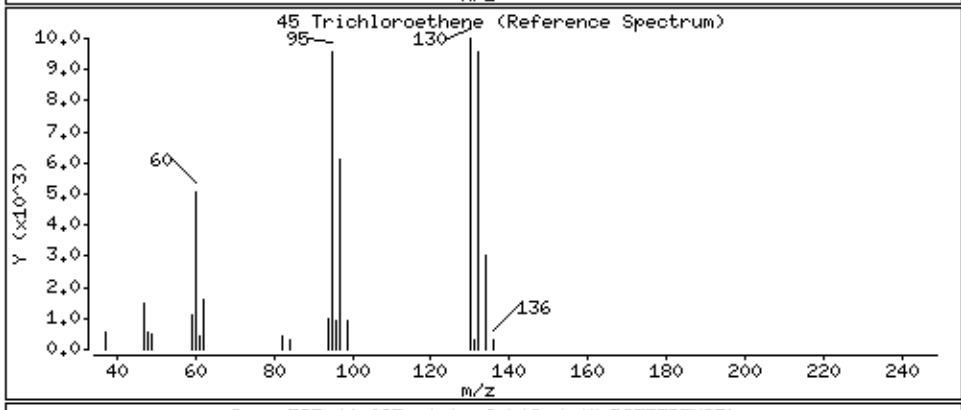
45 Trichloroethene

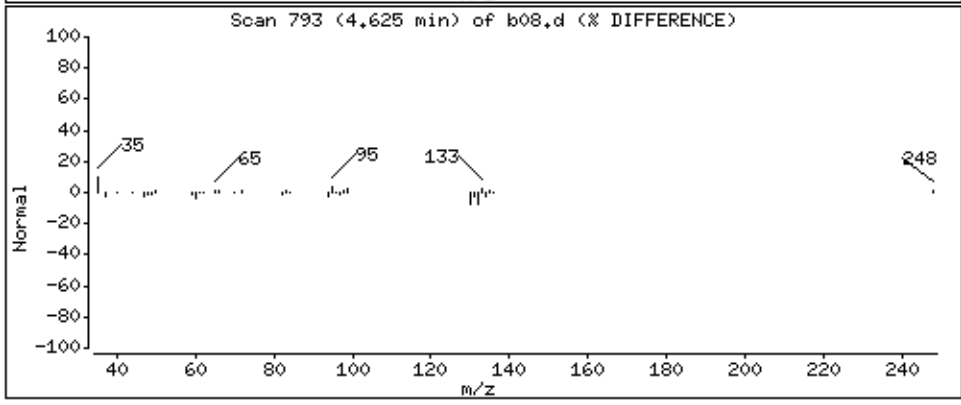
Concentration: 17.1 ppb

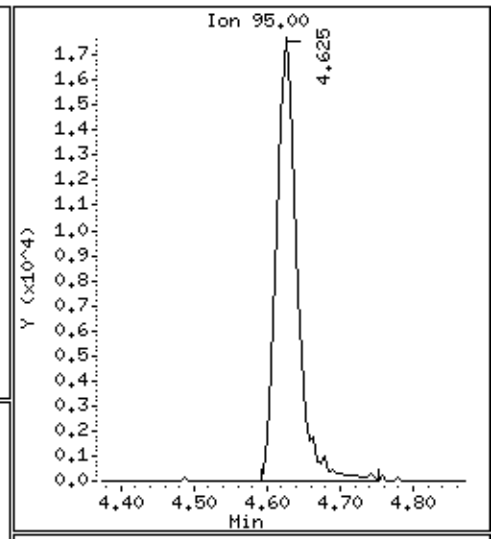
Review Code:

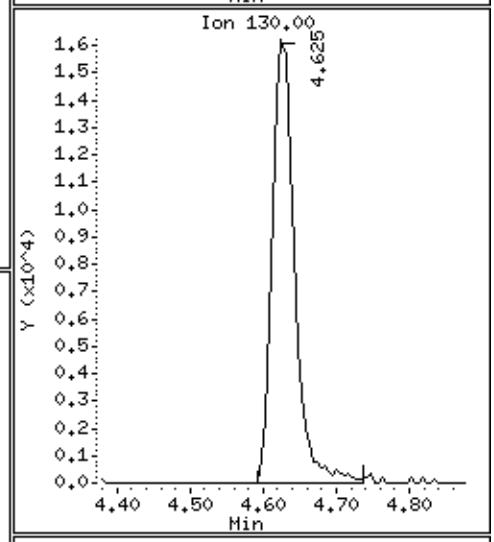


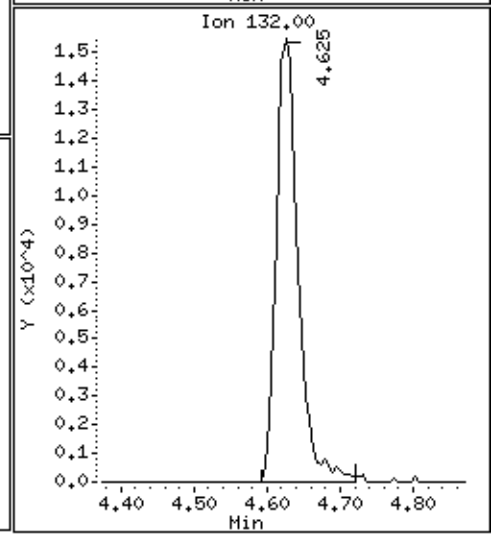












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b08.d

Date : 06-OCT-2016 16:29

Client ID: MW-0609-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366005

Purge Volume: 5.0

Operator: jlz

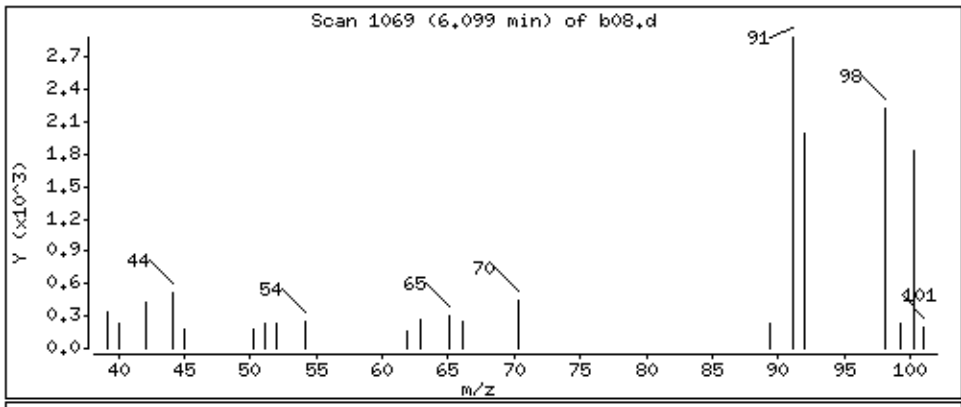
Column phase: DB-624

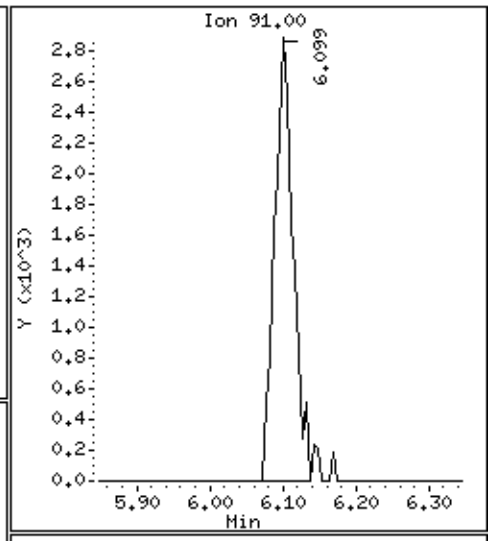
Column diameter: 0.18

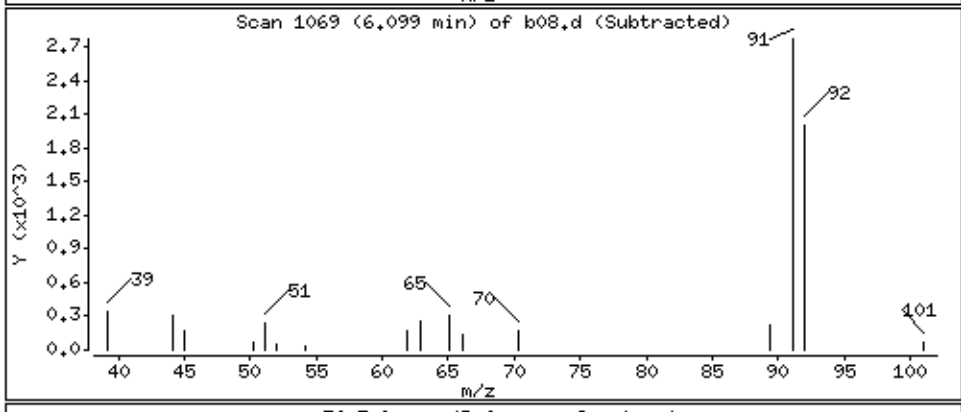
56 Toluene

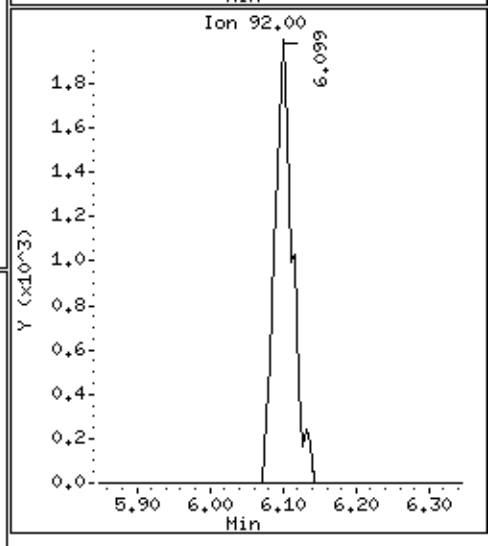
Concentration: 0.461 ppb

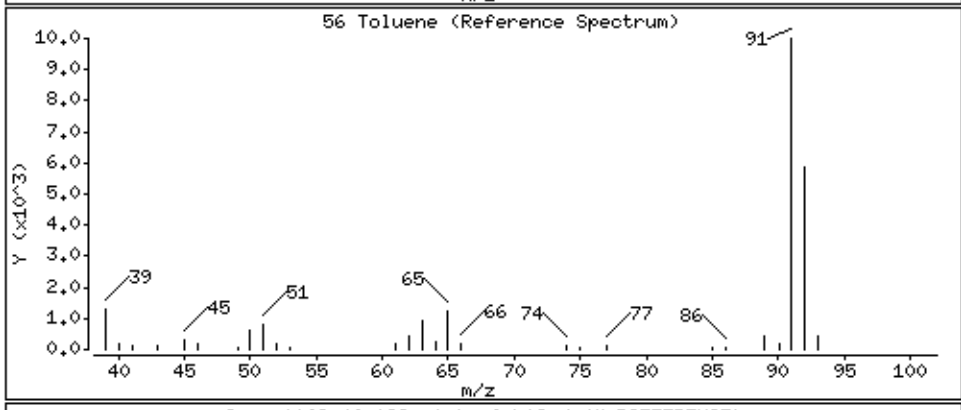
Review Code:

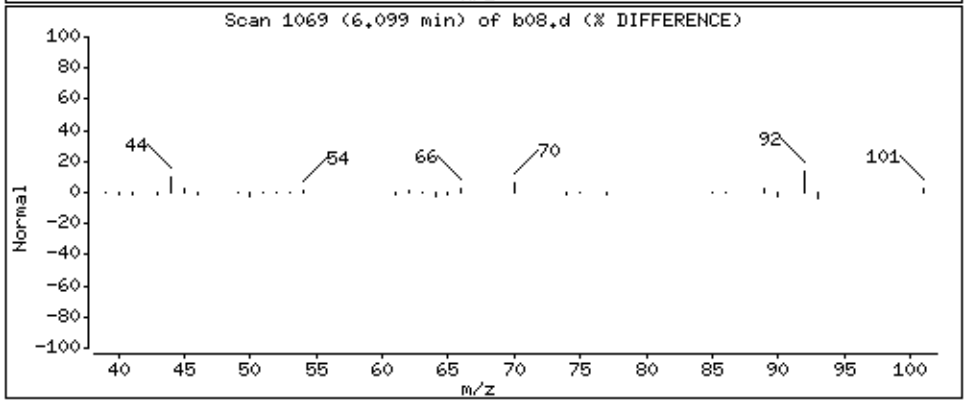












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b08.d
Injection Date: 06-OCT-2016 16:29
Instrument: 50mv3b.i
Lab Sample ID: 50155366005
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0610-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 17:00 Lab Sample ID: 50155366006

Date Analyzed: 10/06/2016 17:00 Lab File ID: B100616.B\B09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0610-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 17:00 Lab Sample ID: 50155366006

Date Analyzed: 10/06/2016 17:00 Lab File ID: B100616.B\B09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b09.d
Lab Smp Id: 50155366006 Client Smp ID: MW-0610-S1(092716)P
Inj Date : 06-OCT-2016 17:00
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366006
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.612	1.610	(0.387)	23317	63.7362	63.7	
	18 Methylene Chloride	84	1.874	1.872	(0.449)	15199	5.44313	5.44	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	6791	3.15311	3.15(Q)	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	87309	47.9217	47.9	
	37 Cyclohexane	56	3.434	3.426	(0.823)	4142	1.03281	1.03	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	395716	50.0000		
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	399484	45.6520	45.6	
	56 Toluene	91	6.099	6.097	(0.831)	4428	0.40711	0.407	
*	65 Chlorobenzene-D5 (IS)	117	7.343	7.347	(1.000)	296212	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	137783	50.0211	50.0	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	144005	50.0000		

QC Flag Legend

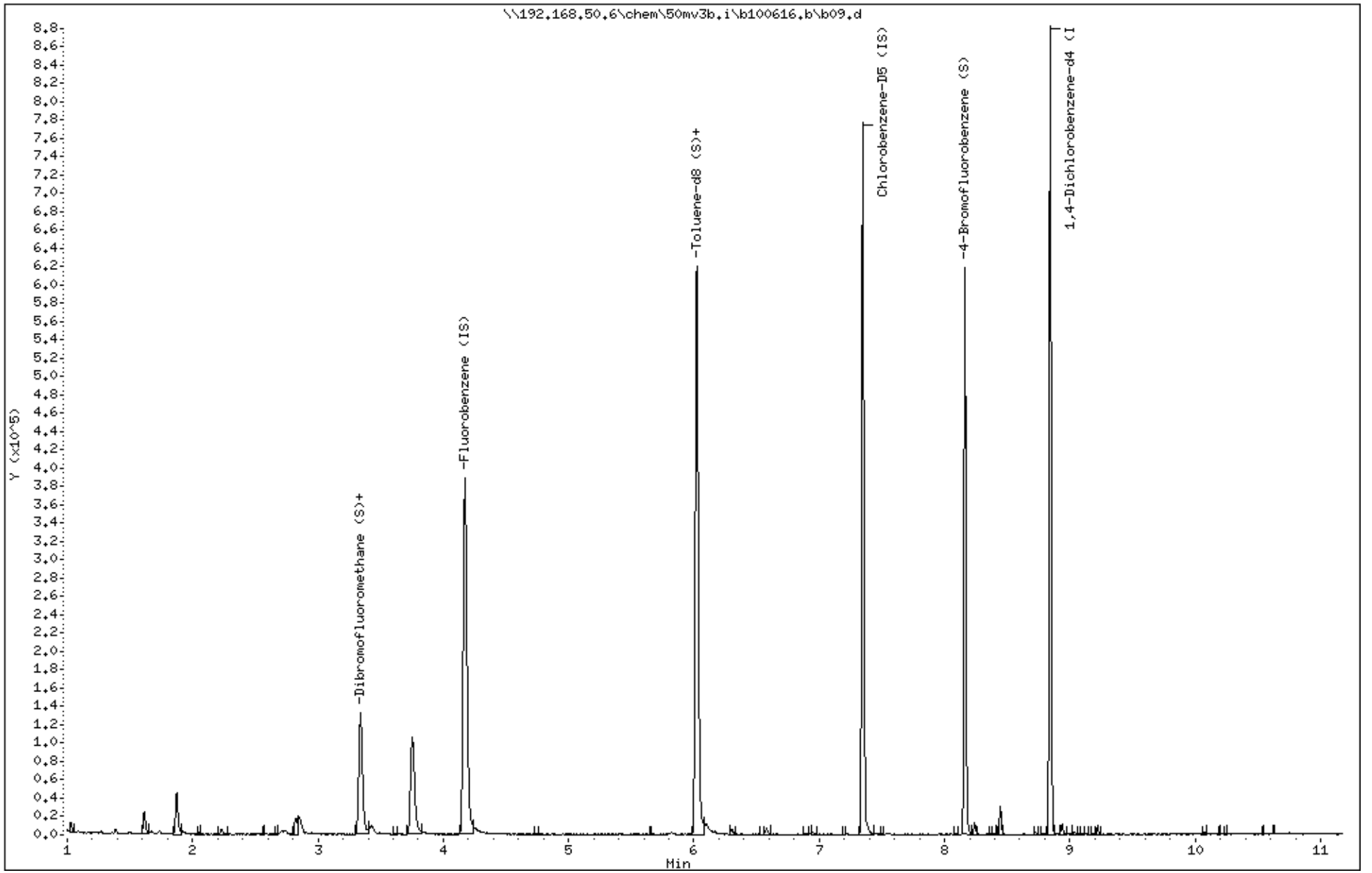
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b09.d
Date : 06-OCT-2016 17:00
Client ID: MW-0610-S1(092716)P
Sample Info: 50155366006
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b09.d

Date : 06-OCT-2016 17:00

Client ID: MW-0610-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366006

Purge Volume: 5.0

Operator: jlz

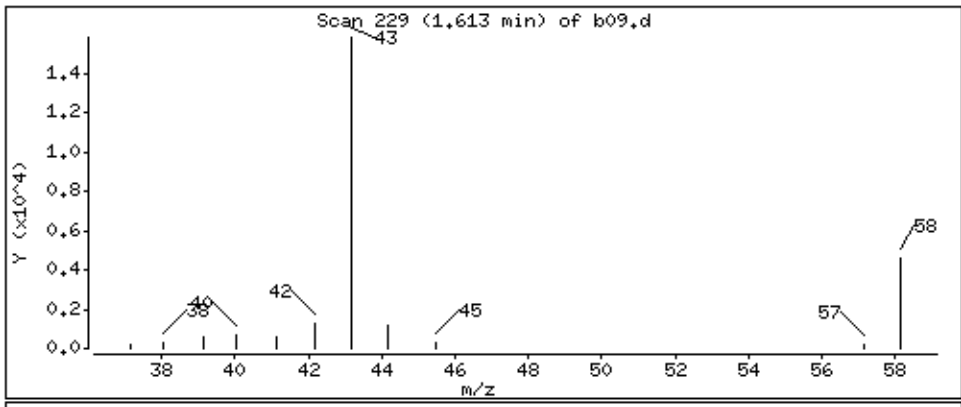
Column phase: DB-624

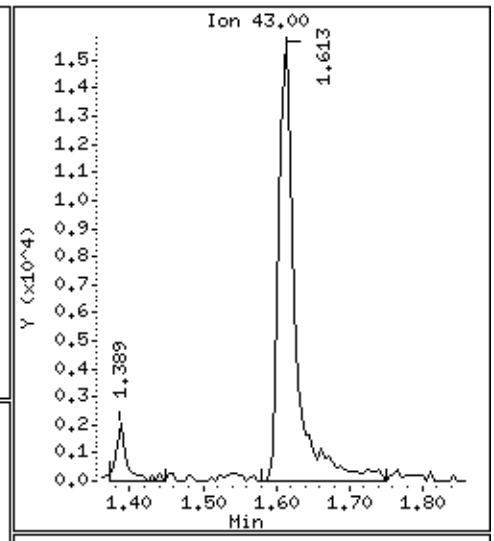
Column diameter: 0.18

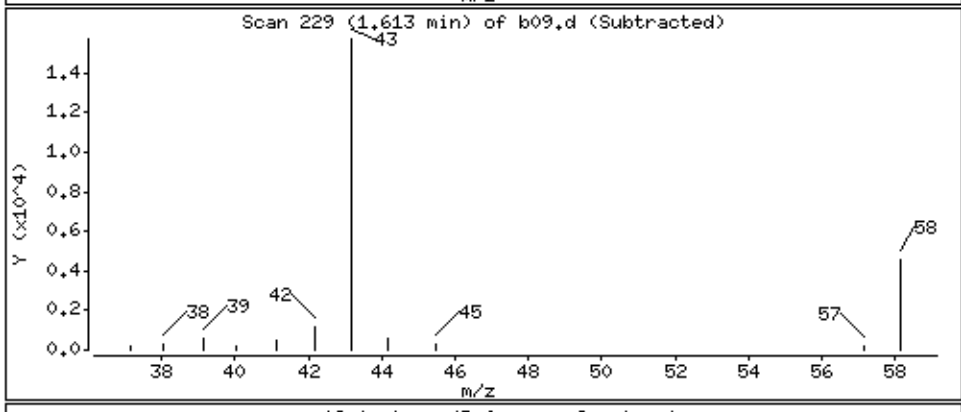
12 Acetone

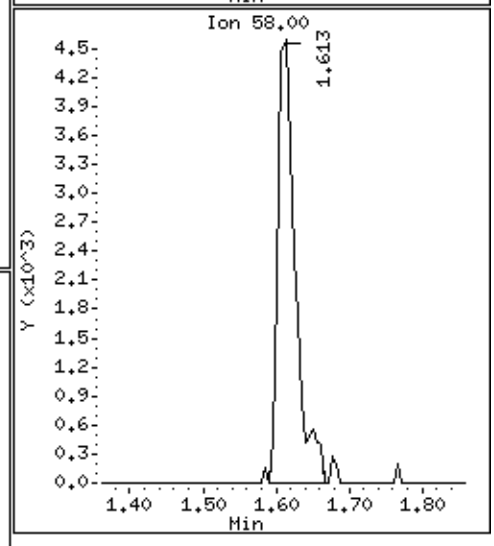
Concentration: 63.7 ppb

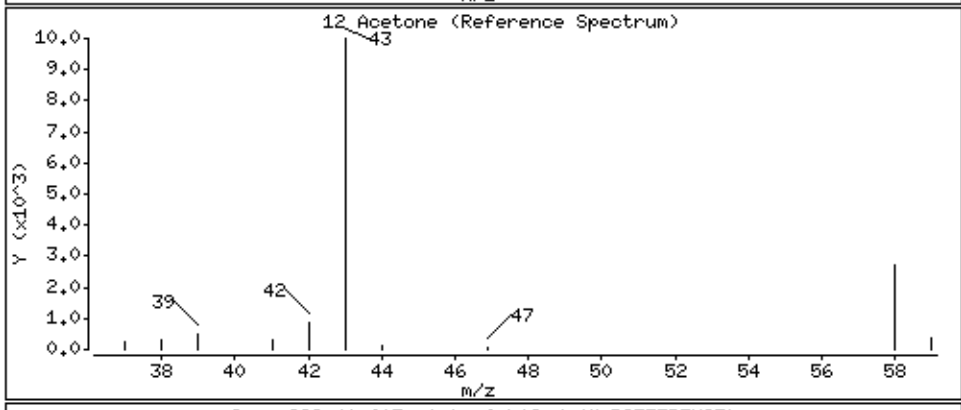
Review Code:

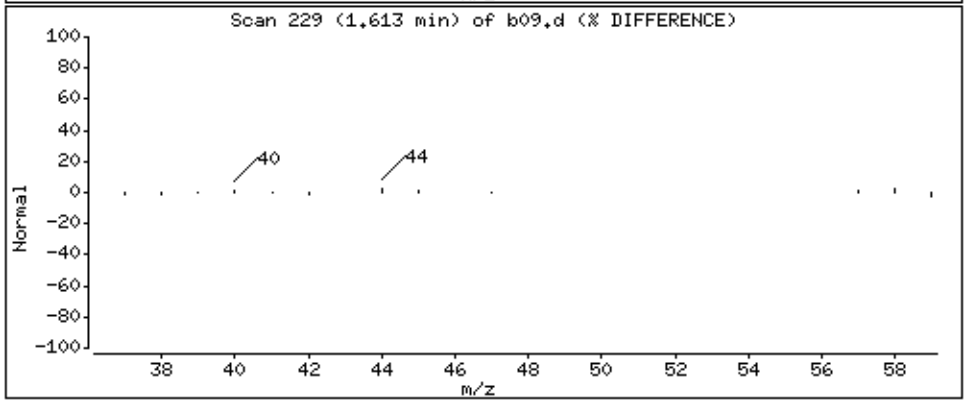












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b09.d

Date : 06-OCT-2016 17:00

Client ID: MW-0610-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366006

Purge Volume: 5.0

Operator: jlz

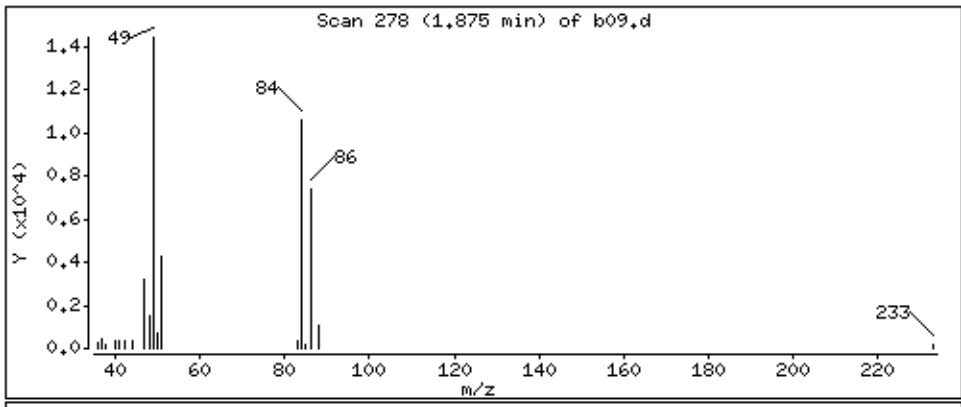
Column phase: DB-624

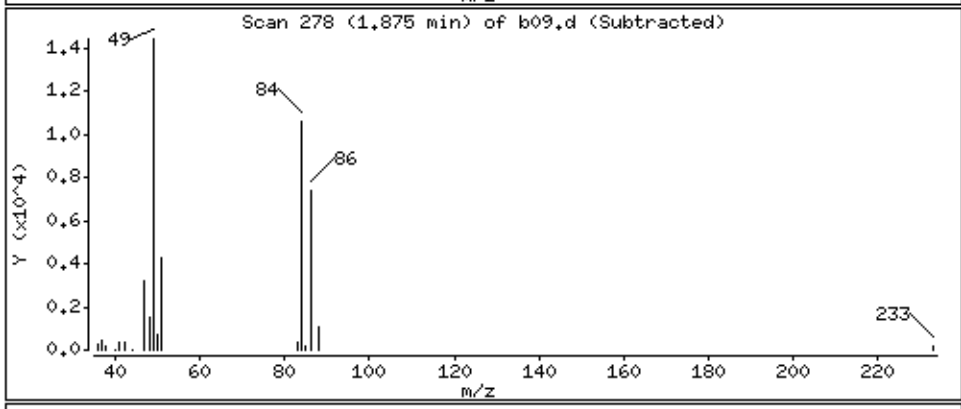
Column diameter: 0.18

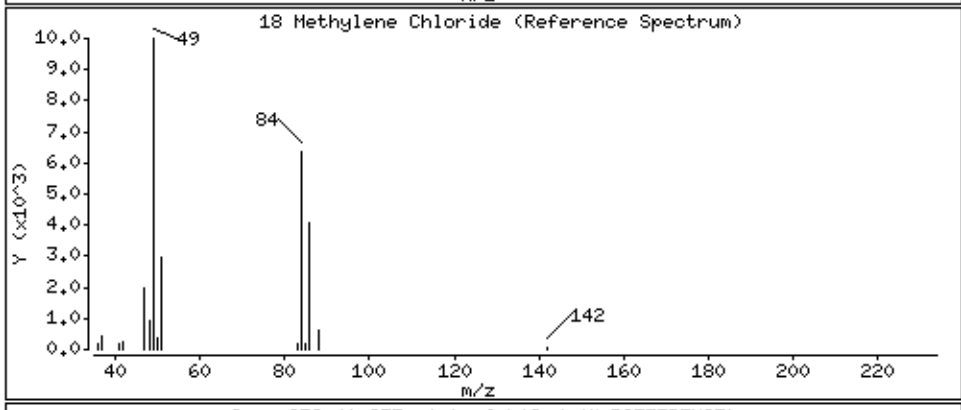
18 Methylene Chloride

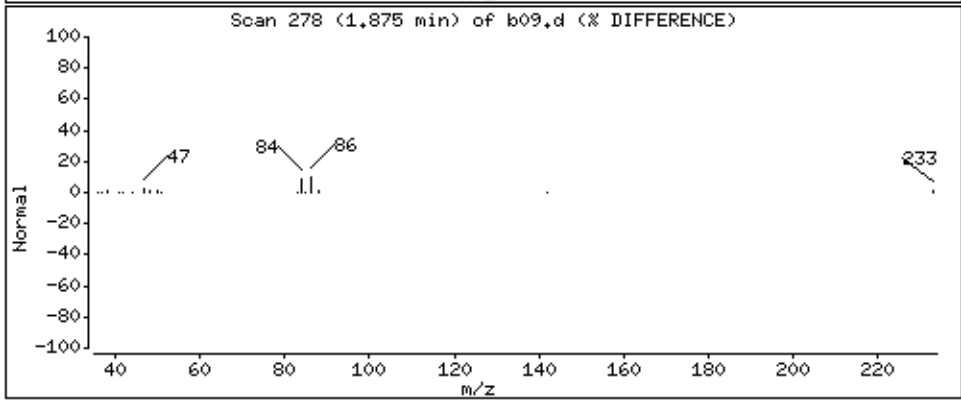
Concentration: 5.44 ppb

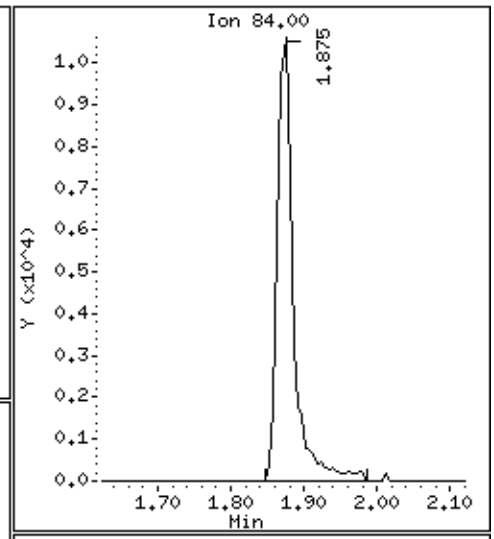
Review Code:

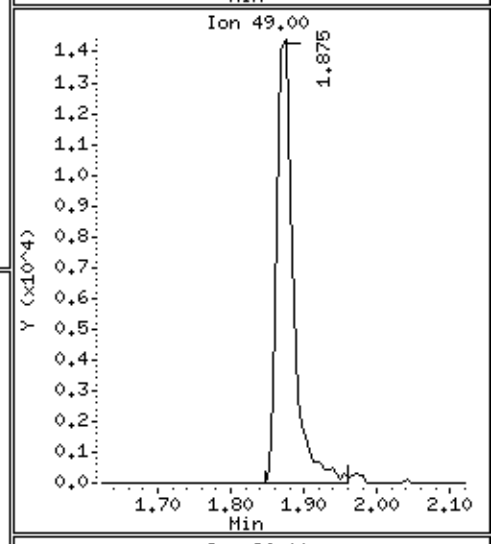


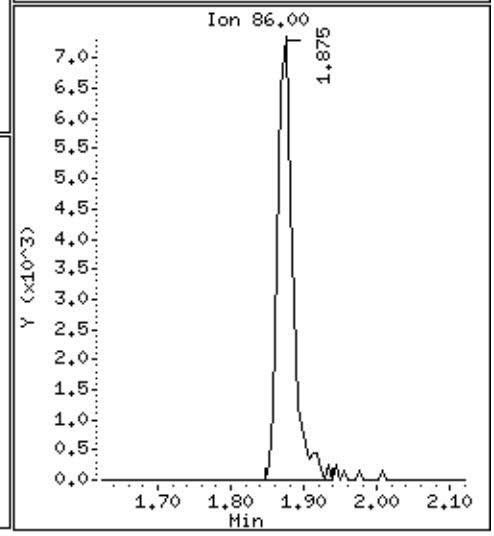












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b09.d

Date : 06-OCT-2016 17:00

Client ID: MW-0610-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366006

Purge Volume: 5.0

Operator: jlz

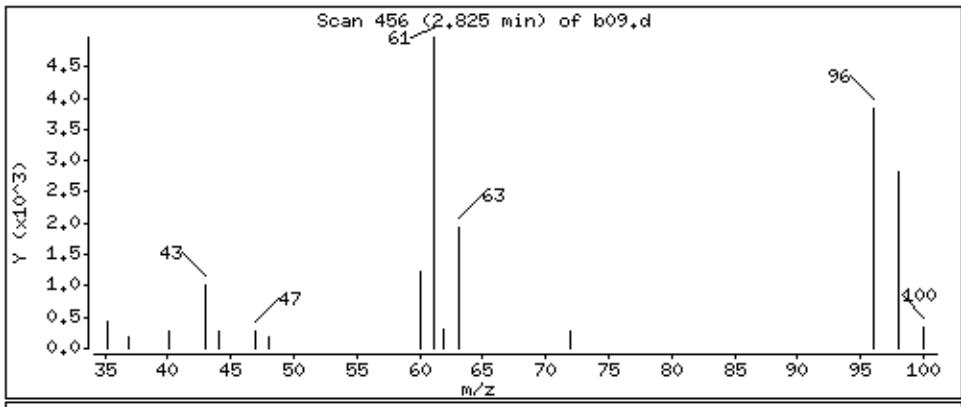
Column phase: DB-624

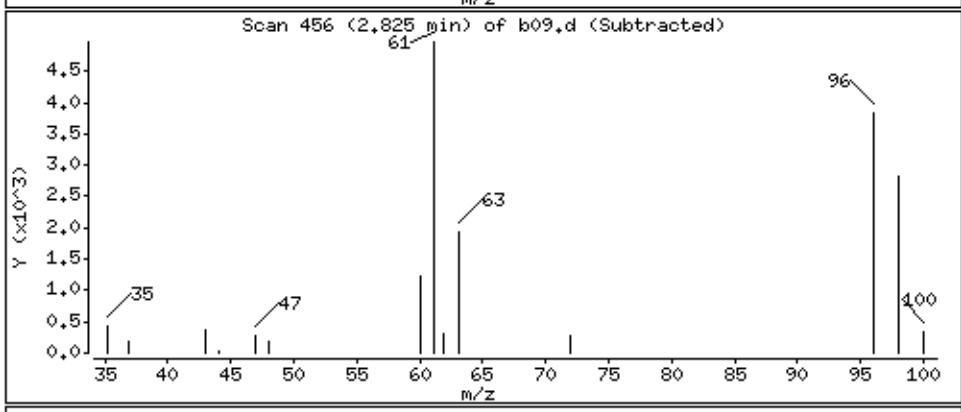
Column diameter: 0.18

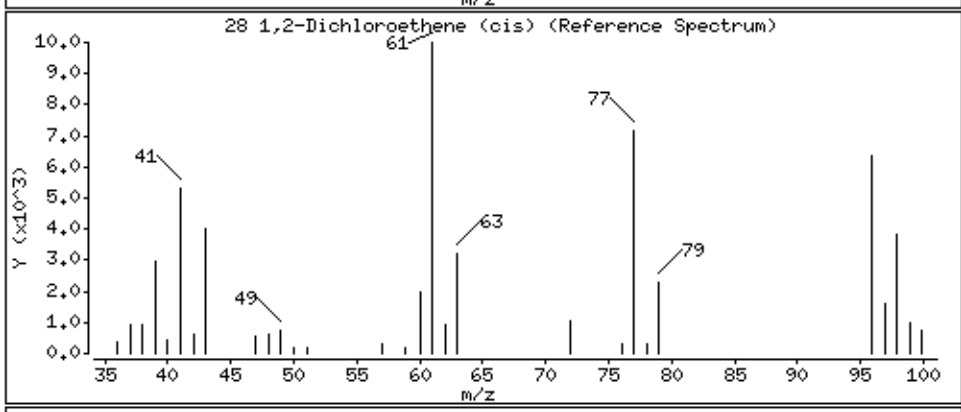
28 1,2-Dichloroethene (cis)

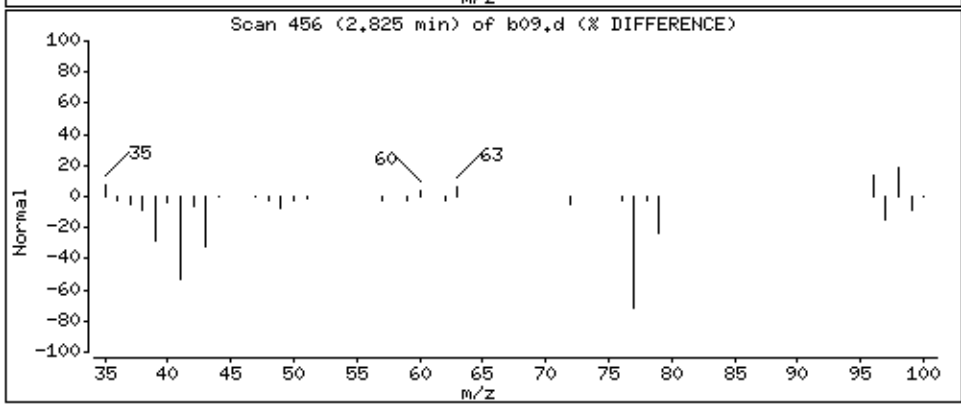
Concentration: 3.15 ppb

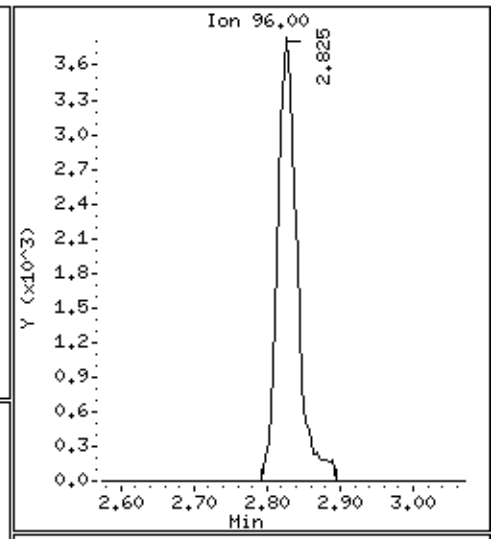
Review Code:

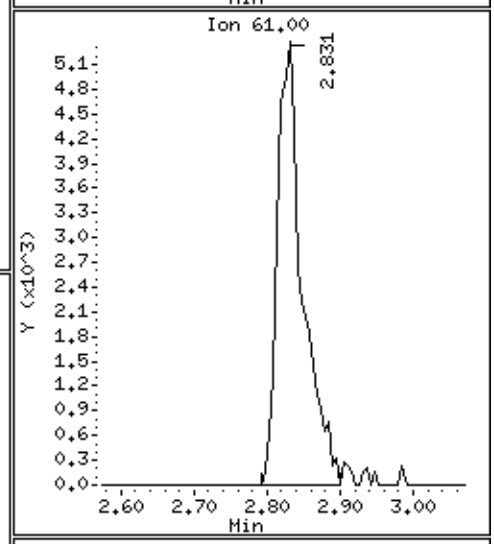


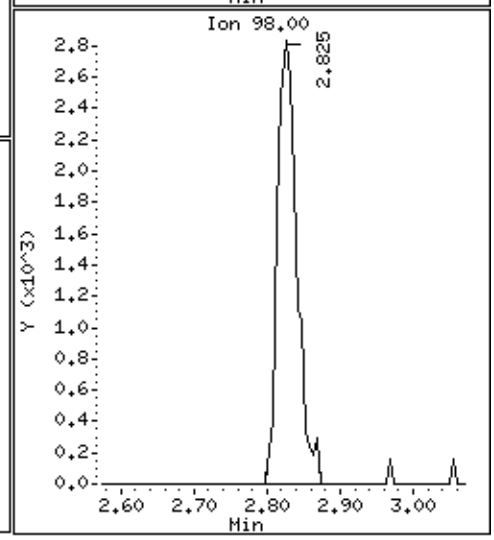












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b09.d

Date : 06-OCT-2016 17:00

Client ID: MW-0610-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366006

Purge Volume: 5.0

Operator: jlz

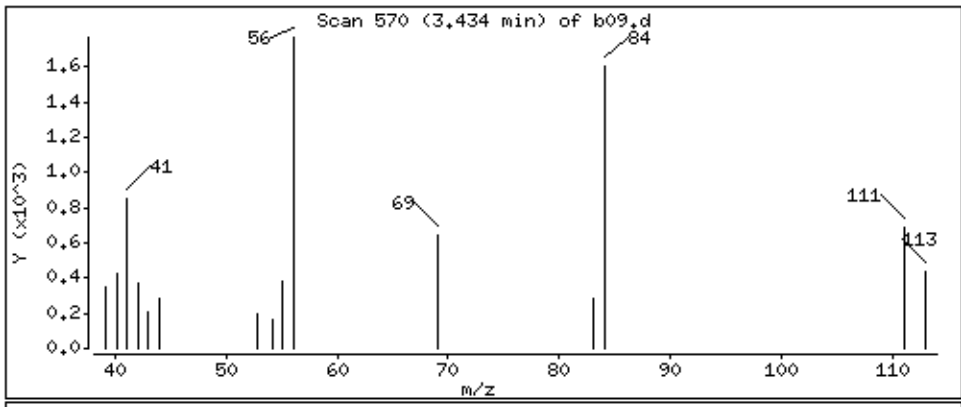
Column phase: DB-624

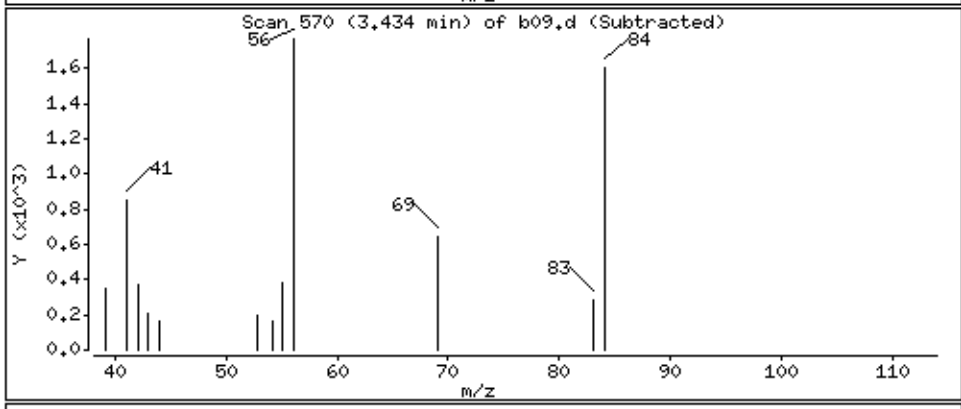
Column diameter: 0.18

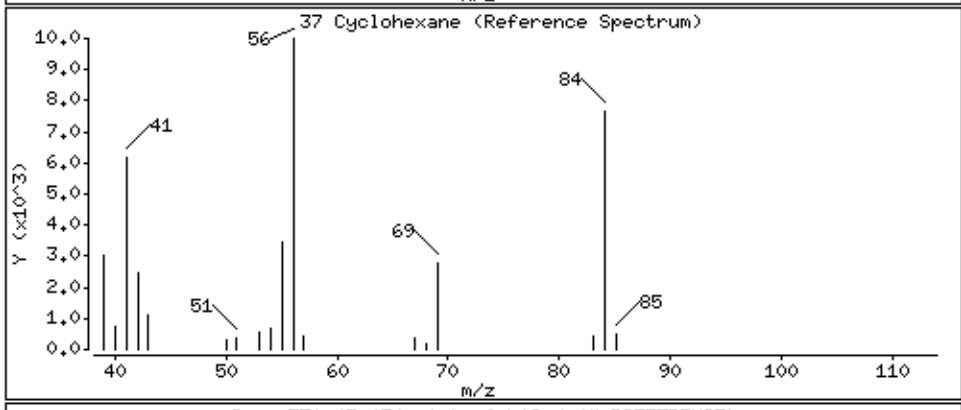
37 Cyclohexane

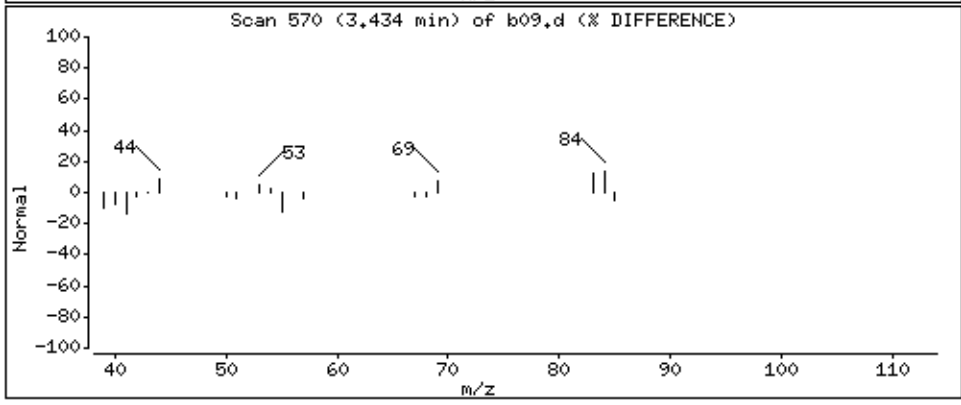
Concentration: 1.03 ppb

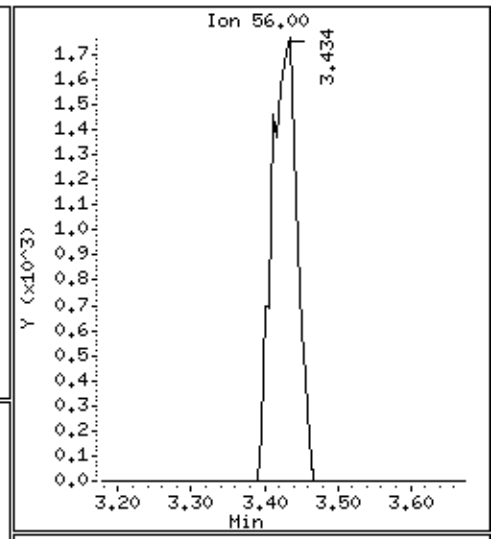
Review Code:

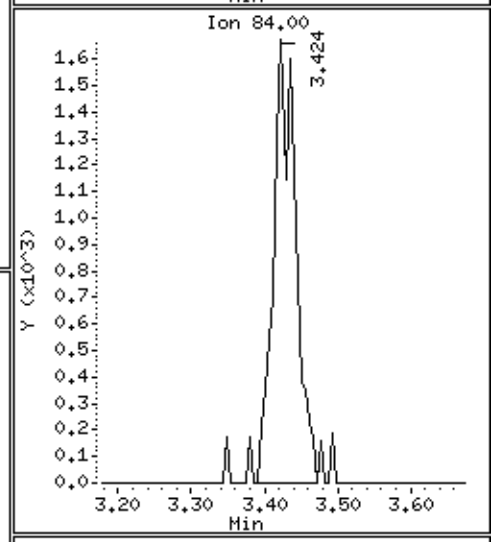


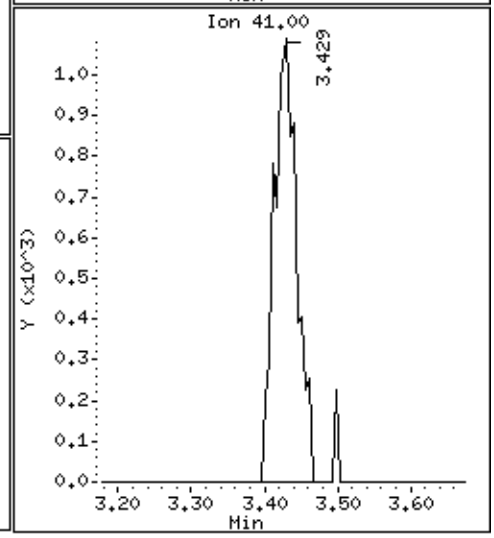












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b09.d

Date : 06-OCT-2016 17:00

Client ID: MW-0610-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366006

Purge Volume: 5.0

Operator: jlz

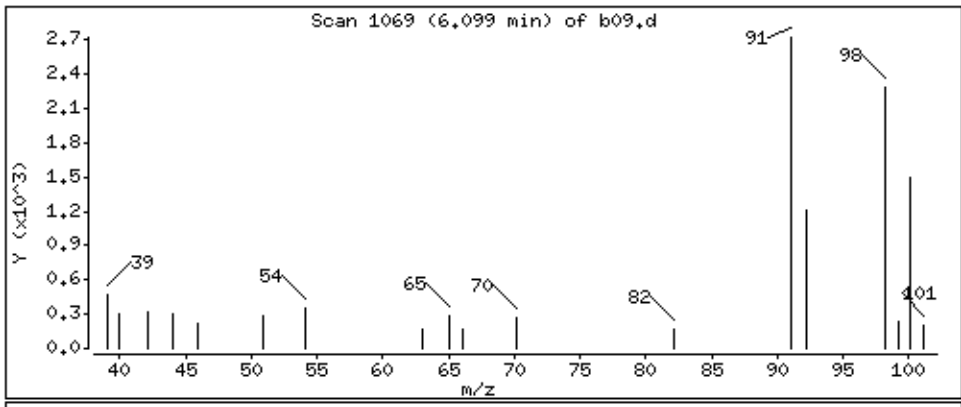
Column phase: DB-624

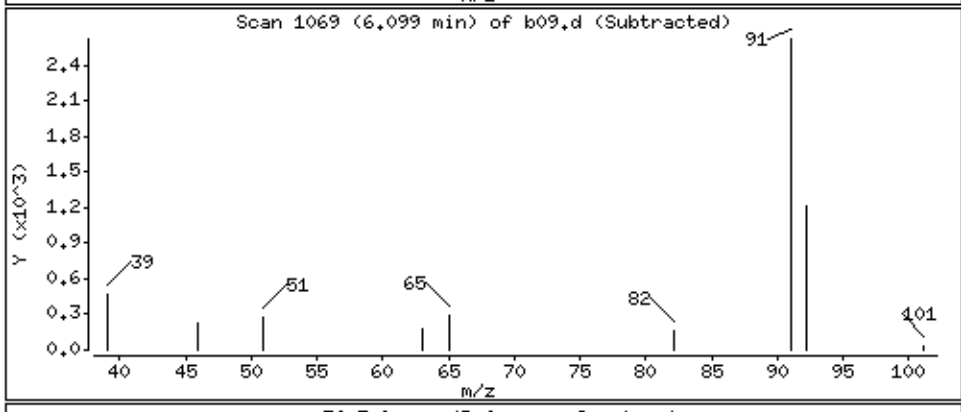
Column diameter: 0.18

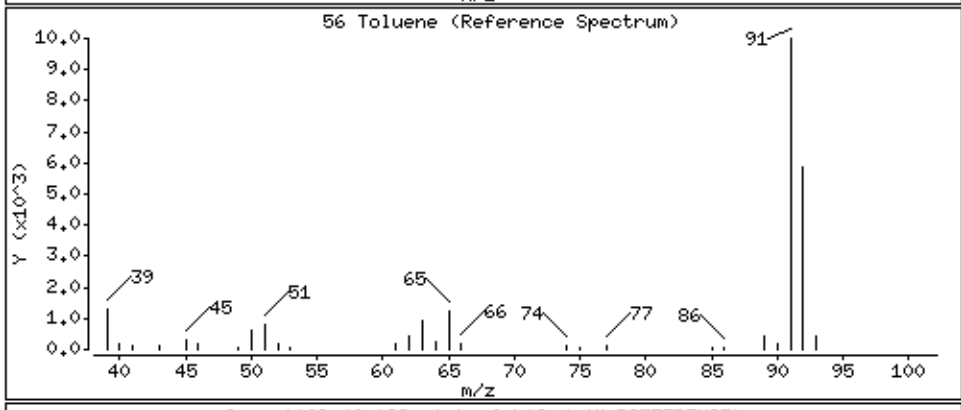
56 Toluene

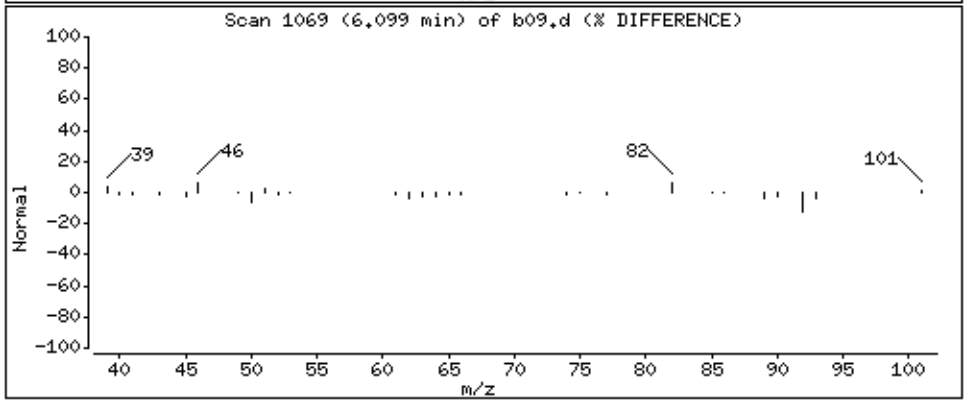
Concentration: 0.407 ppb

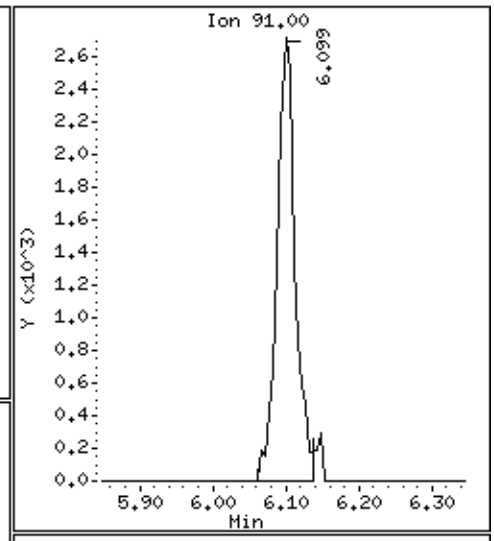
Review Code:

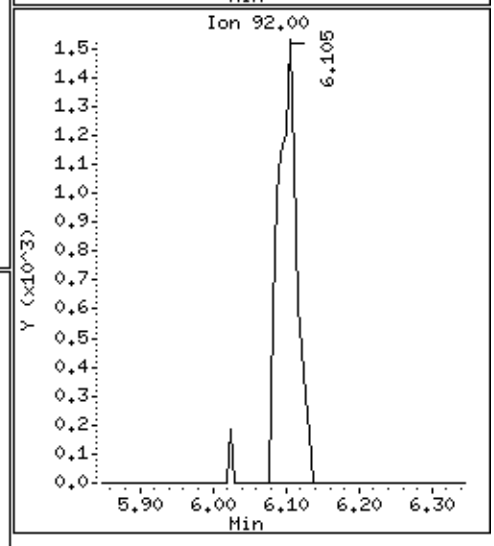












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b09.d
Injection Date: 06-OCT-2016 17:00
Instrument: 50mv3b.i
Lab Sample ID: 50155366006
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0602-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 17:33 Lab Sample ID: 50155366007

Date Analyzed: 10/06/2016 17:33 Lab File ID: B100616.B\B10.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0602-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 17:33 Lab Sample ID: 50155366007

Date Analyzed: 10/06/2016 17:33 Lab File ID: B100616.B\B10.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b10.d
Lab Smp Id: 50155366007 Client Smp ID: MW-0602-S1(092716)P
Inj Date : 06-OCT-2016 17:33
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366007
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

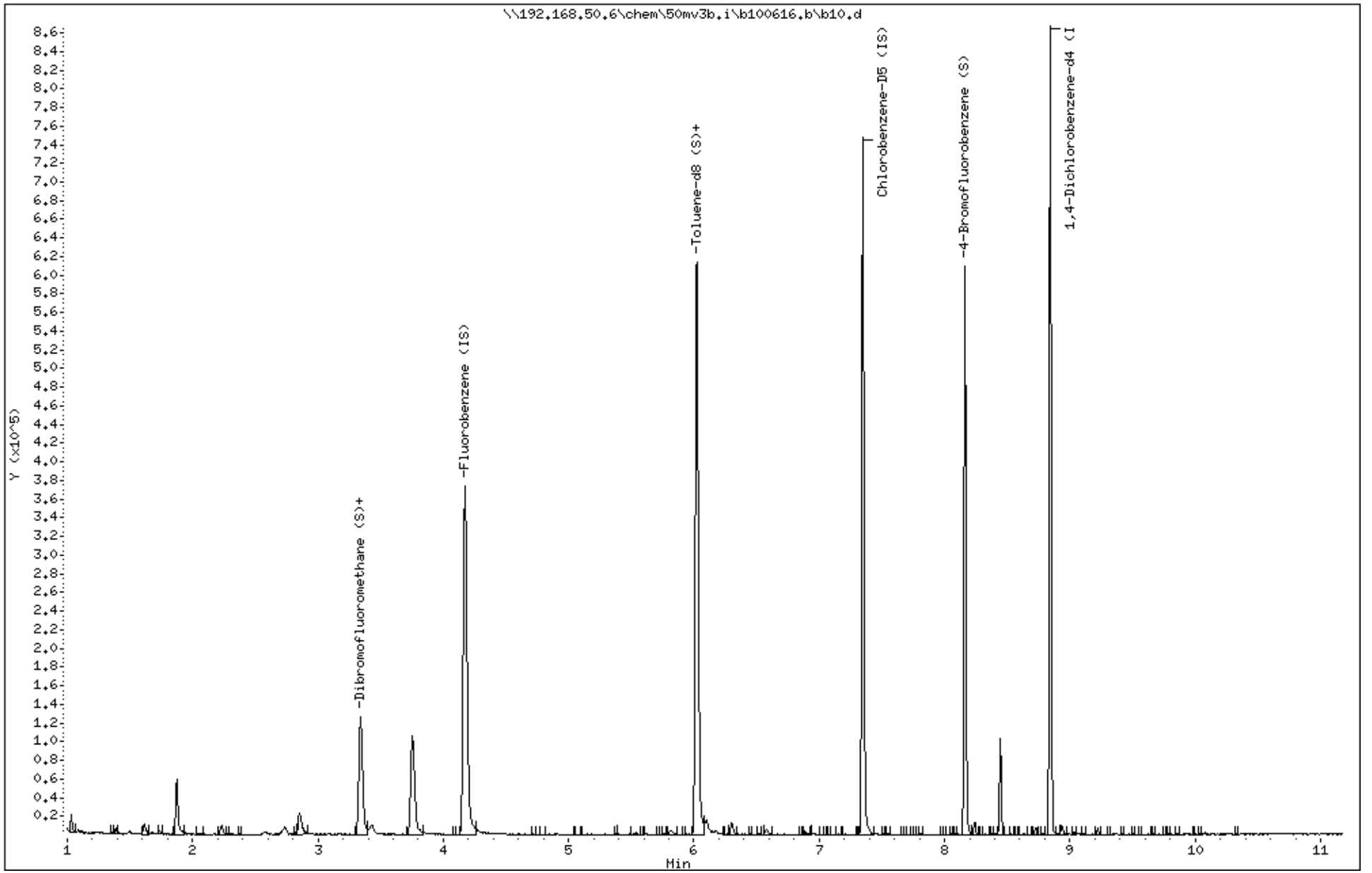
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.613	1.610	(0.387)	11641	32.1650	32.2	
	18 Methylene Chloride	84	1.874	1.872	(0.449)	19124	7.61931	7.62	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	86792	48.1540	48.2	
	37 Cyclohexane	56	3.429	3.426	(0.822)	4200	1.05862	1.06	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	391475	50.0000		
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	393598	46.5911	46.6	
	56 Toluene	91	6.099	6.097	(0.831)	6022	0.57350	0.574	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	285965	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	136827	51.4540	51.4	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	138654	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b10.d
Date : 06-OCT-2016 17:33
Client ID: MW-0602-S1(092716)P
Instrument: 50mv3b.i
Sample Info: 50155366007
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 06-OCT-2016 17:33

Client ID: MW-0602-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366007

Purge Volume: 5.0

Operator: jlz

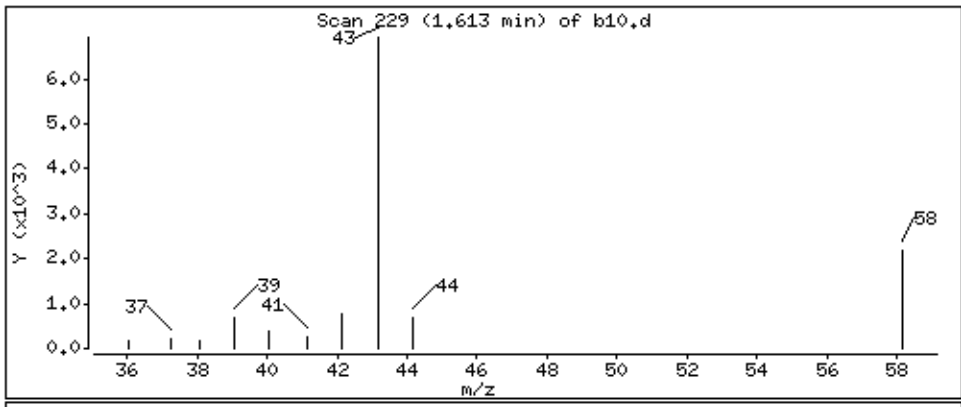
Column phase: DB-624

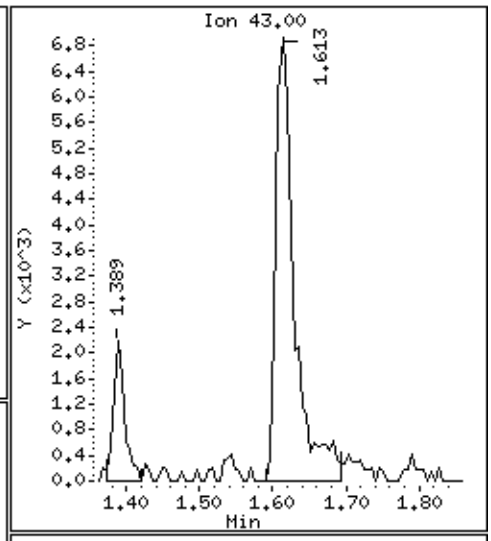
Column diameter: 0.18

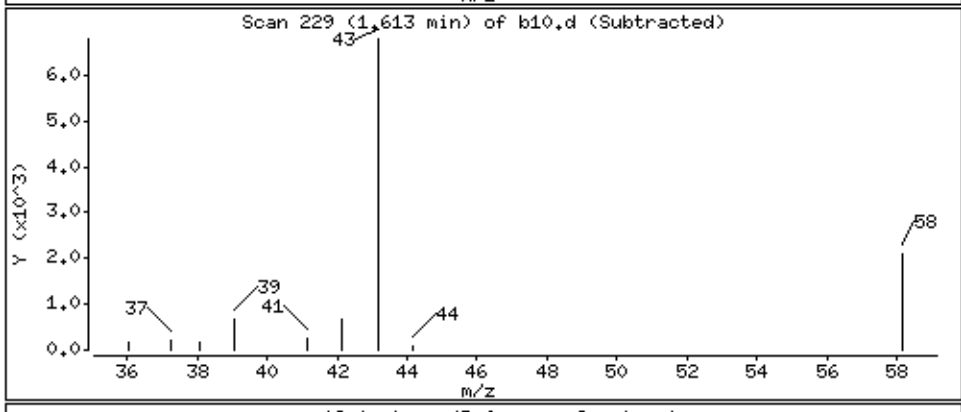
12 Acetone

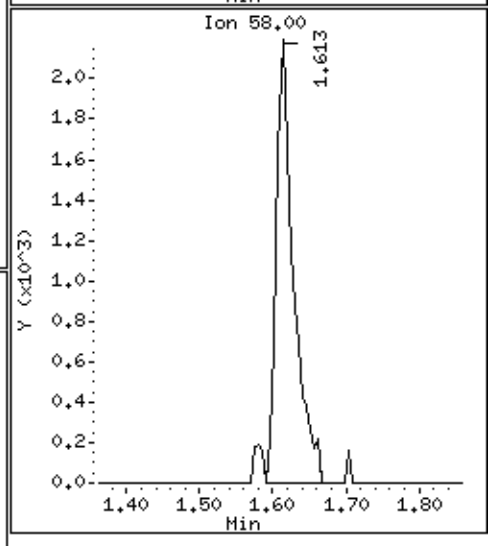
Concentration: 32.2 ppb

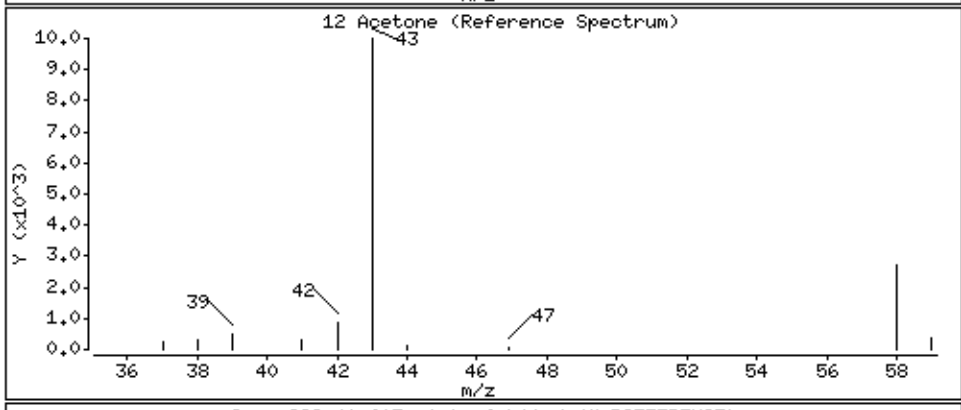
Review Code:

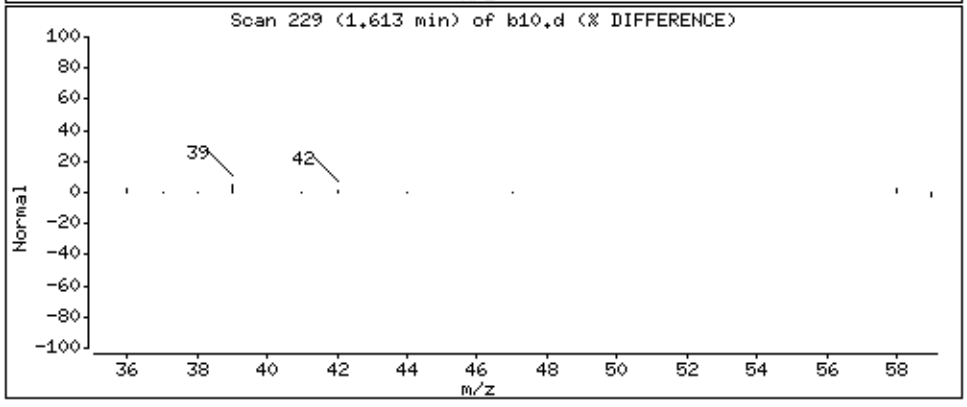












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b10.d

Date : 06-OCT-2016 17:33

Client ID: MW-0602-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366007

Purge Volume: 5.0

Operator: jlz

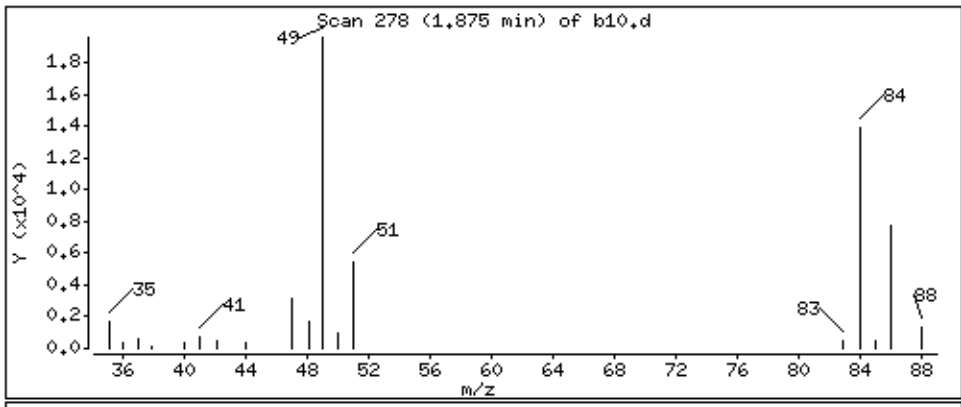
Column phase: DB-624

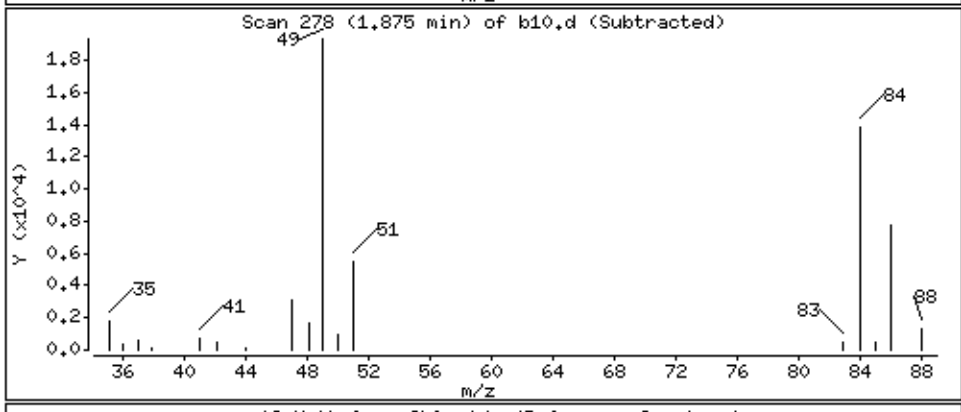
Column diameter: 0.18

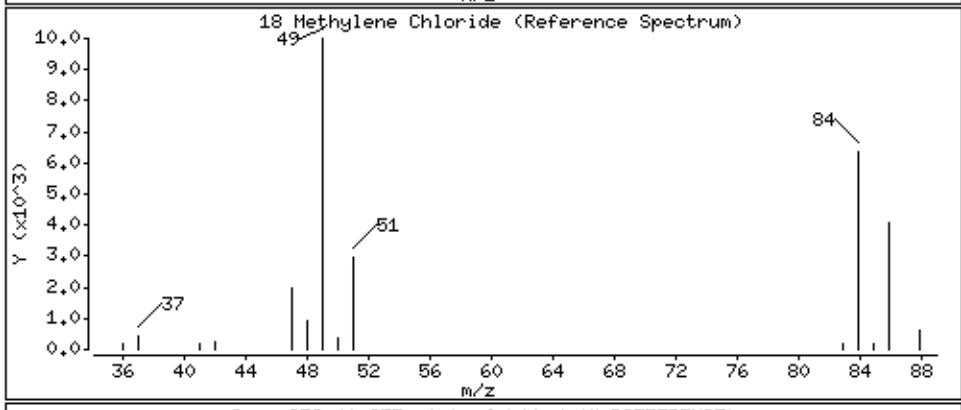
18 Methylene Chloride

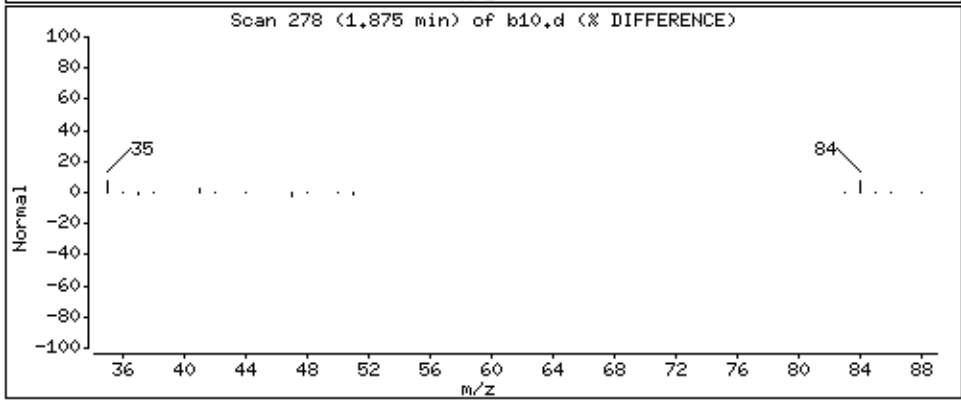
Concentration: 7.62 ppb

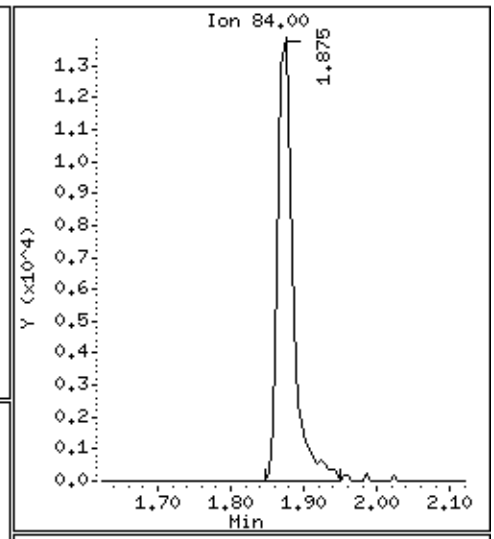
Review Code:

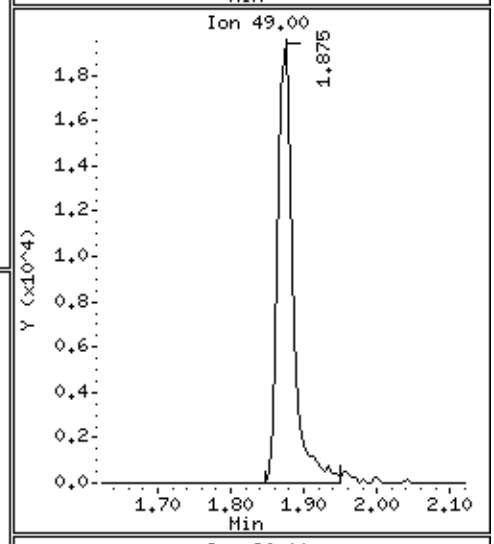


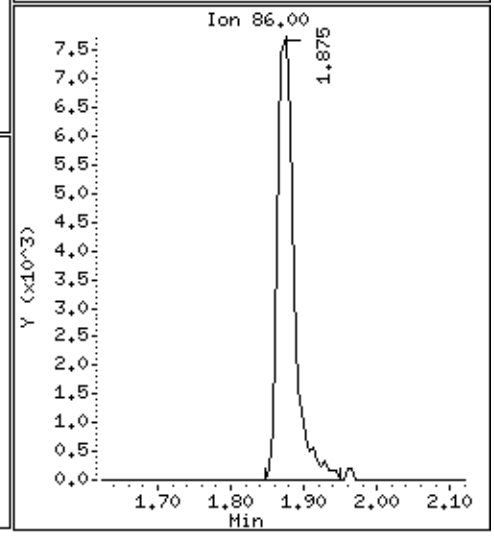












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b10.d

Date : 06-OCT-2016 17:33

Client ID: MW-0602-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366007

Purge Volume: 5.0

Operator: jlz

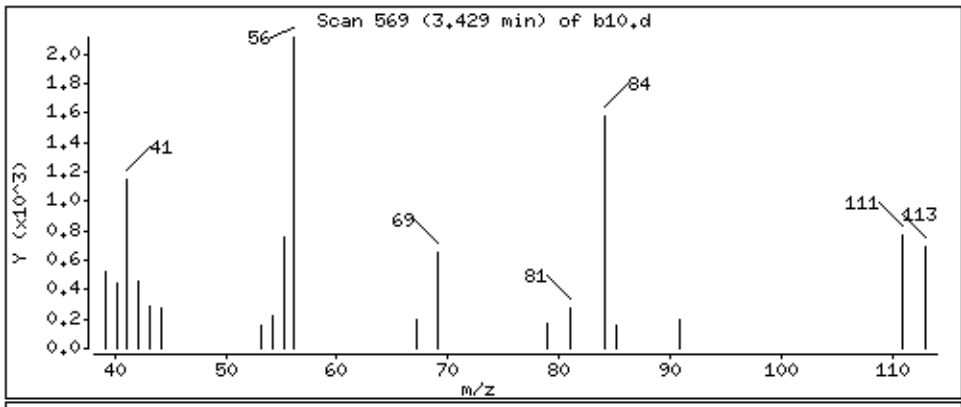
Column phase: DB-624

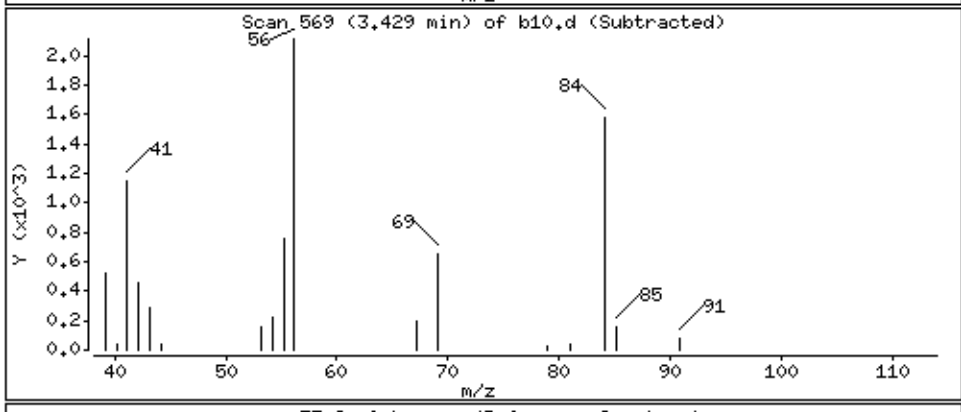
Column diameter: 0.18

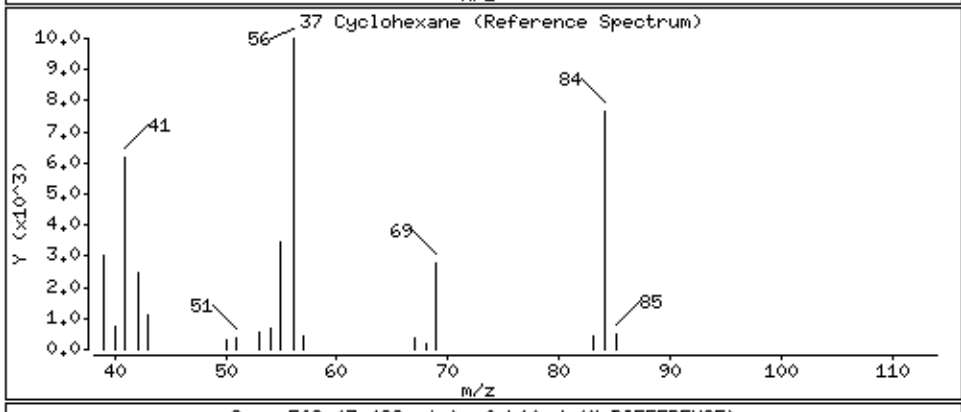
37 Cyclohexane

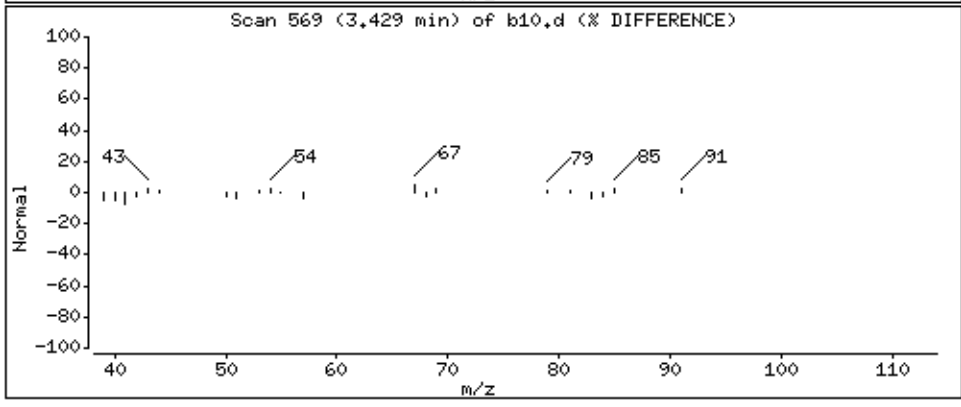
Concentration: 1.06 ppb

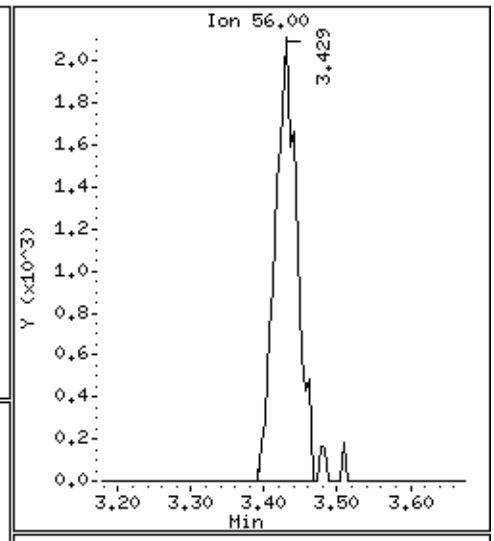
Review Code:

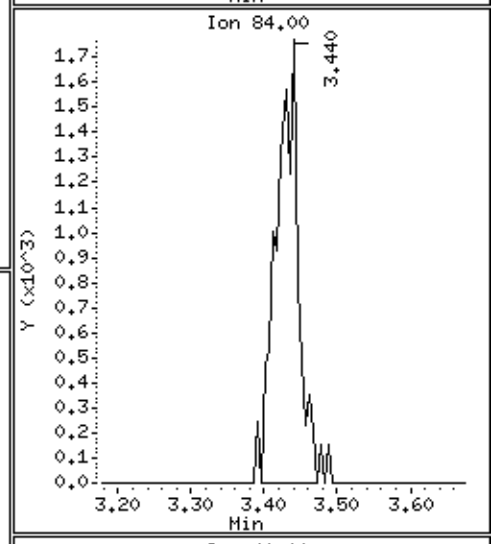


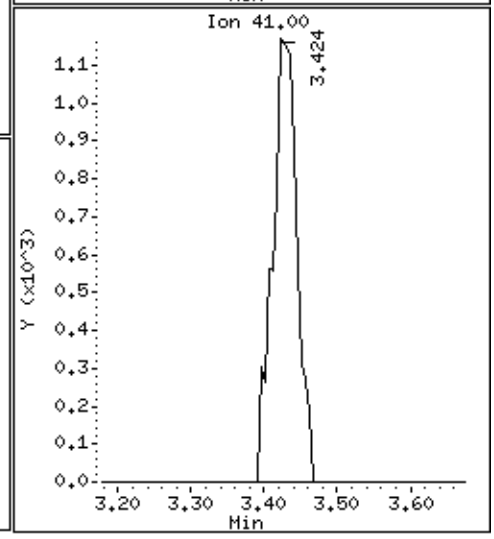












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b10.d

Date : 06-OCT-2016 17:33

Client ID: MW-0602-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366007

Purge Volume: 5.0

Operator: jlz

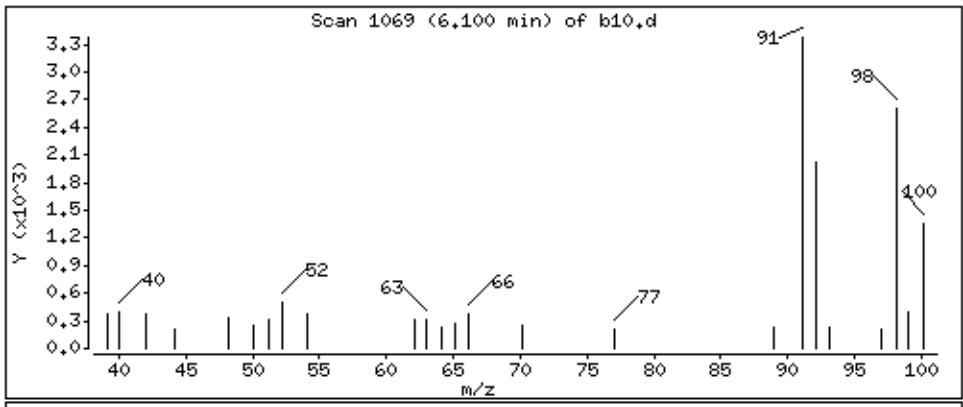
Column phase: DB-624

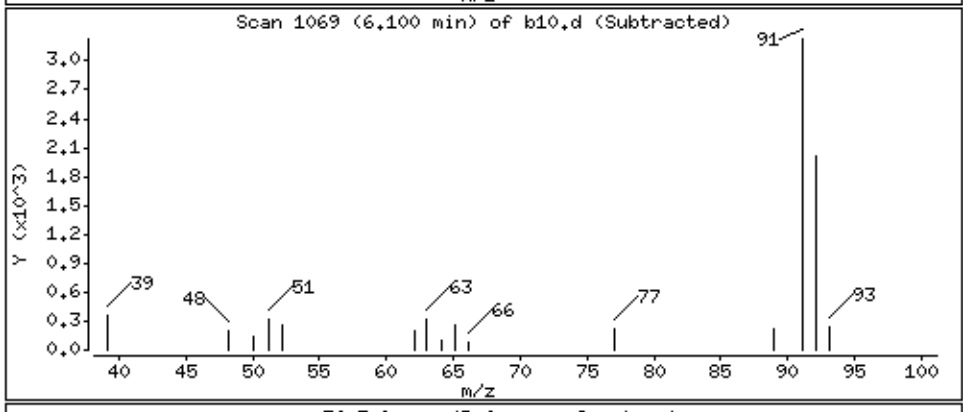
Column diameter: 0.18

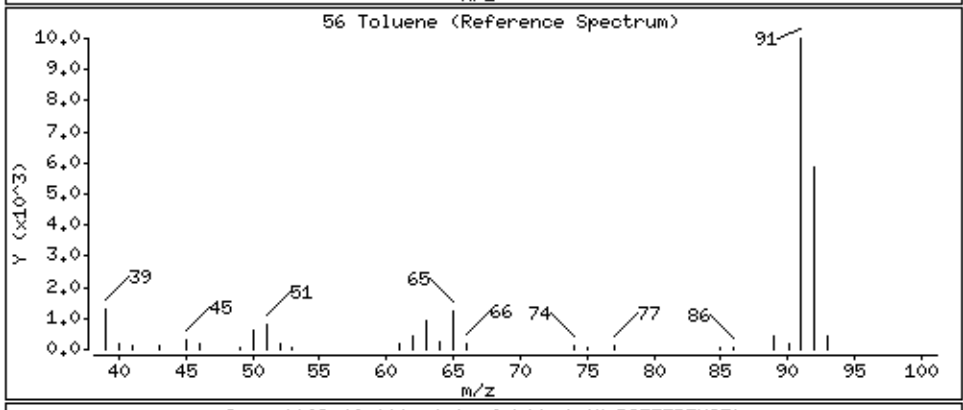
56 Toluene

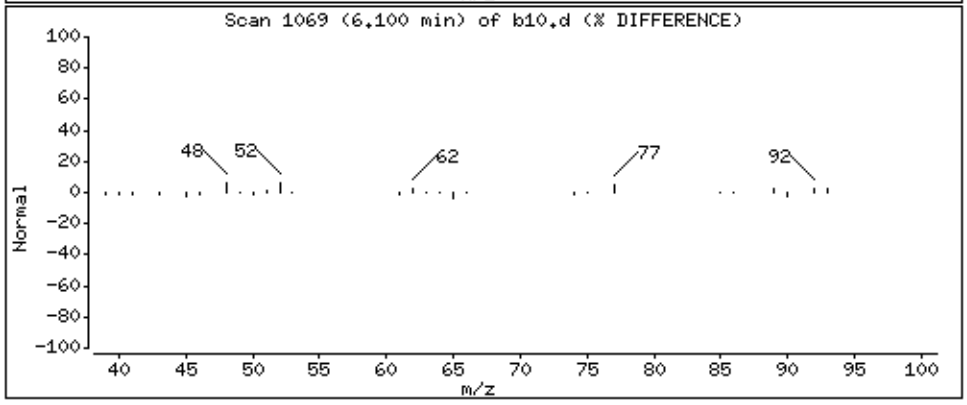
Concentration: 0.574 ppb

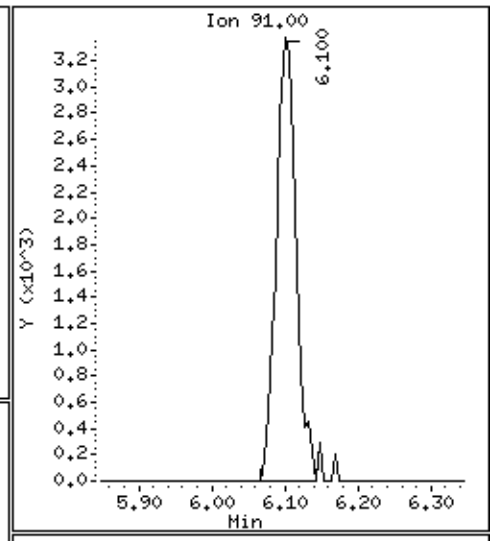
Review Code:

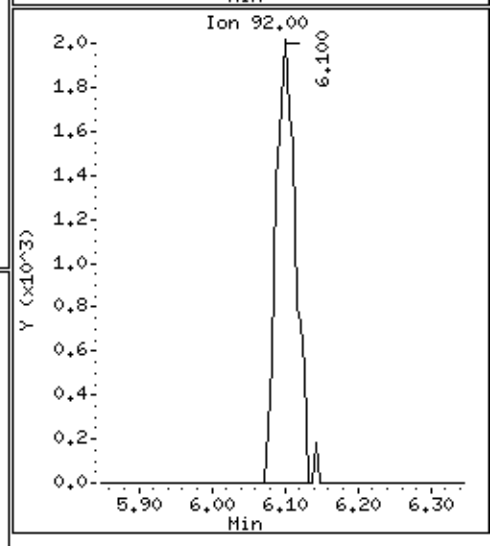












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b10.d
Injection Date: 06-OCT-2016 17:33
Instrument: 50mv3b.i
Lab Sample ID: 50155366007
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0705-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 18:05 Lab Sample ID: 50155366008

Date Analyzed: 10/06/2016 18:05 Lab File ID: B100616.B\B11.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	46.7	
156-60-5	trans-1,2-Dichloroethene	13.0	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0705-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 18:05 Lab Sample ID: 50155366008

Date Analyzed: 10/06/2016 18:05 Lab File ID: B100616.B\B11.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	149	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	3.2	
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d
Lab Smp Id: 50155366008 Client Smp ID: MW-0705-S1(092716)P
Inj Date : 06-OCT-2016 18:05
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366008
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.046	1.044	(0.251)	9175	3.22975	3.23	
	12 Acetone	43	1.612	1.610	(0.387)	8593	24.6527	24.6	
	18 Methylene Chloride	84	1.874	1.872	(0.449)	18926	7.89986	7.90	
	22 1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	25157	12.9831	13.0	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	95815	46.6923	46.7(Q)	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	85440	49.2198	49.2	
	37 Cyclohexane	56	3.439	3.426	(0.825)	2366	0.61920	0.619	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	377032	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	282998	149.428	149	
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	385305	47.0931	47.1	
	56 Toluene	91	6.104	6.097	(0.831)	3577	0.35173	0.352	
*	65 Chlorobenzene-D5 (IS)	117	7.343	7.347	(1.000)	276956	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	134084	52.0627	52.1	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	136874	50.0000		

QC Flag Legend

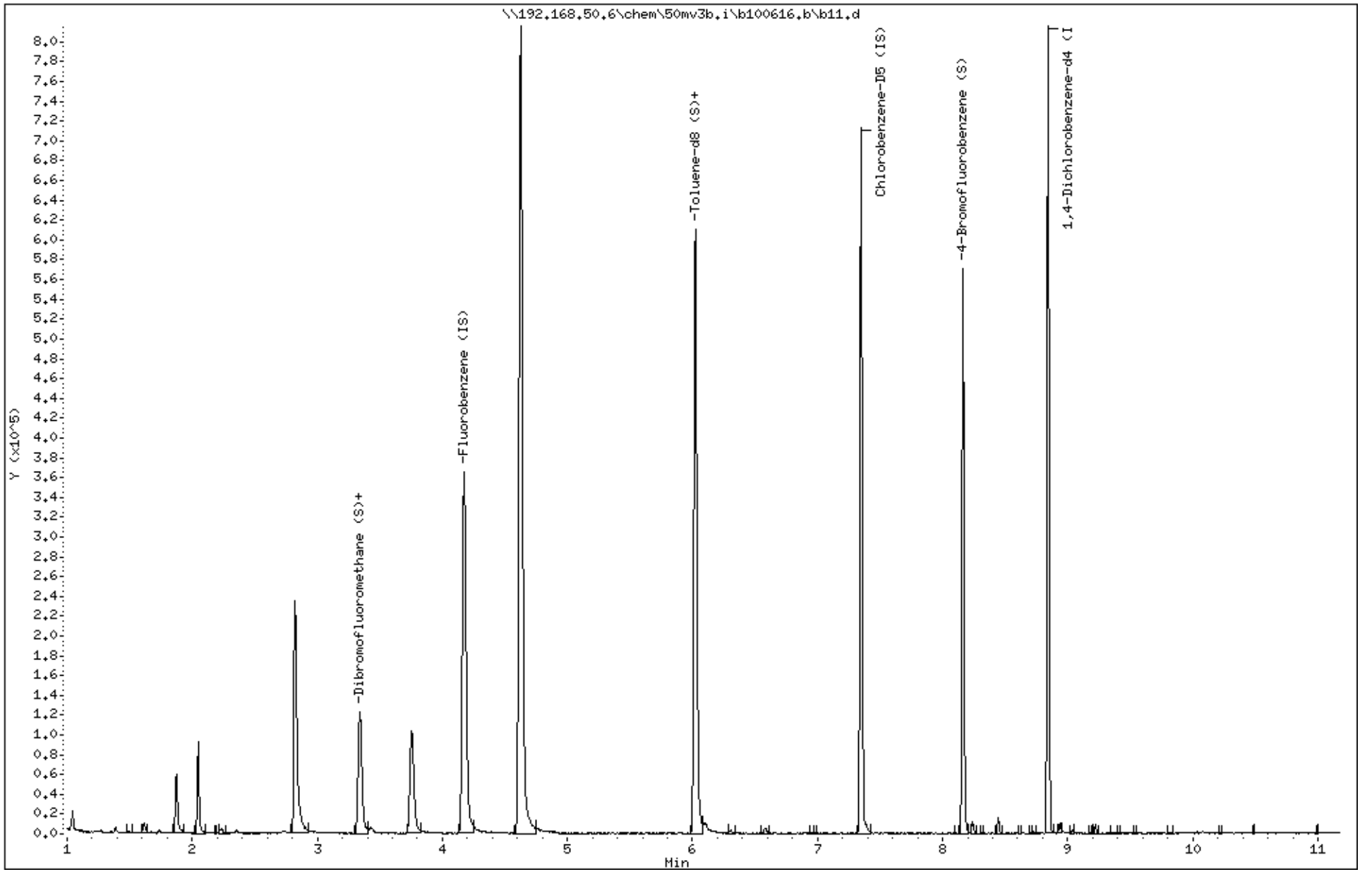
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d
Date : 06-OCT-2016 18:05
Client ID: MW-0705-S1(092716)P
Sample Info: 50155366008
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d

Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

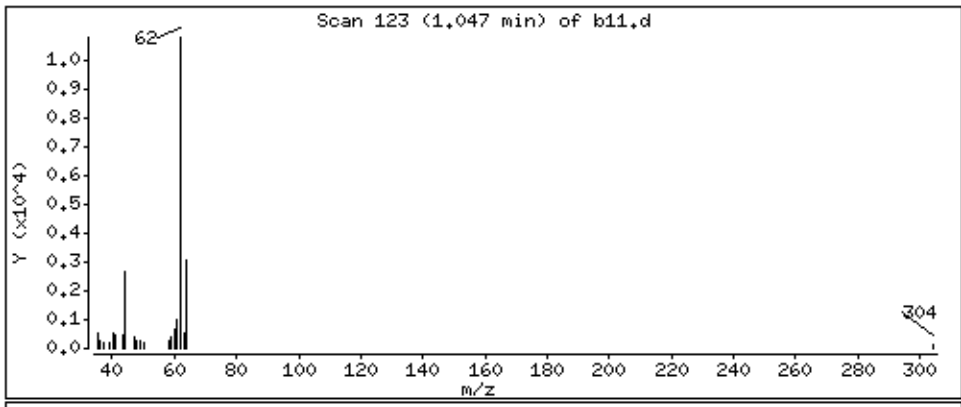
Column phase: DB-624

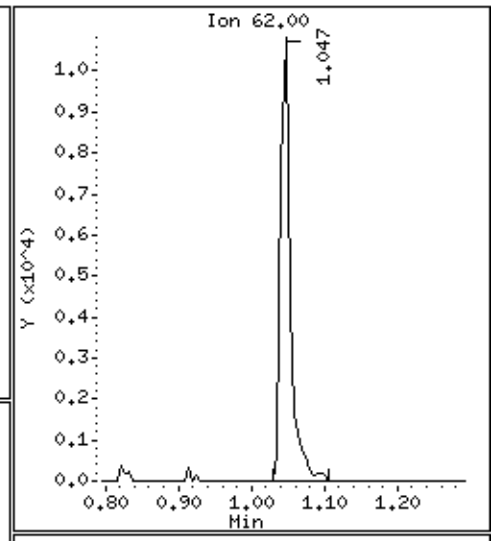
Column diameter: 0.18

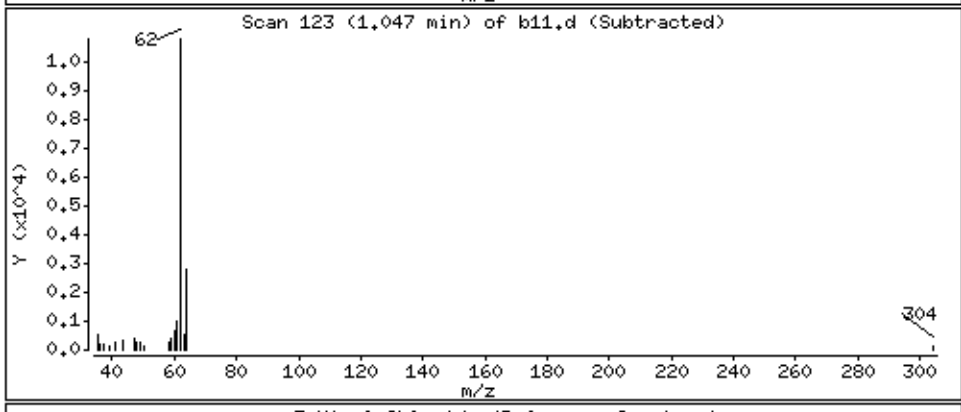
3 Vinyl Chloride

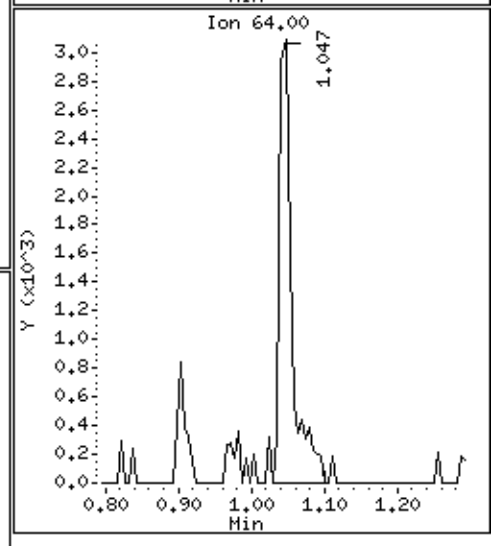
Concentration: 3.23 ppb

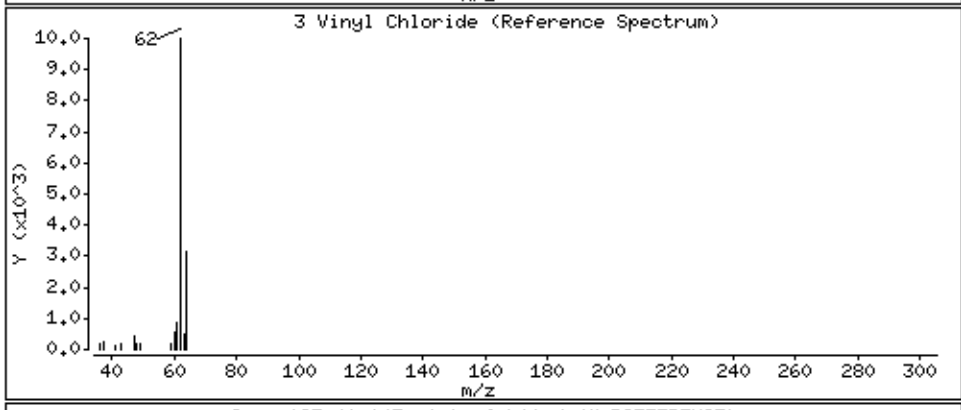
Review Code:

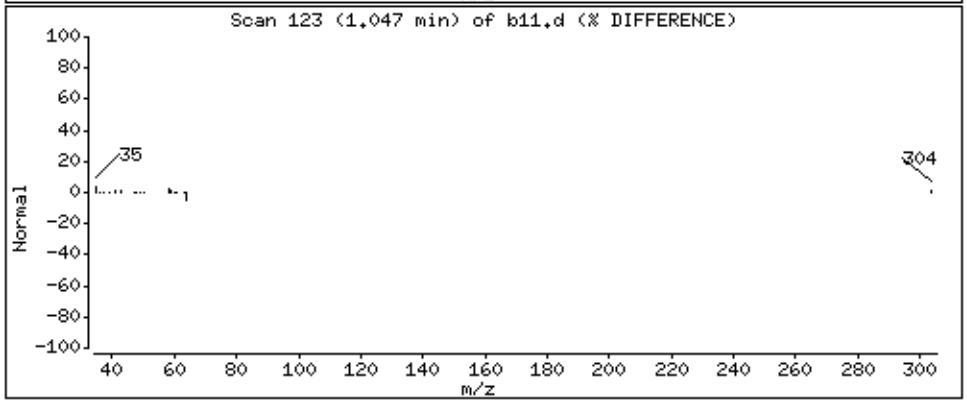












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d

Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

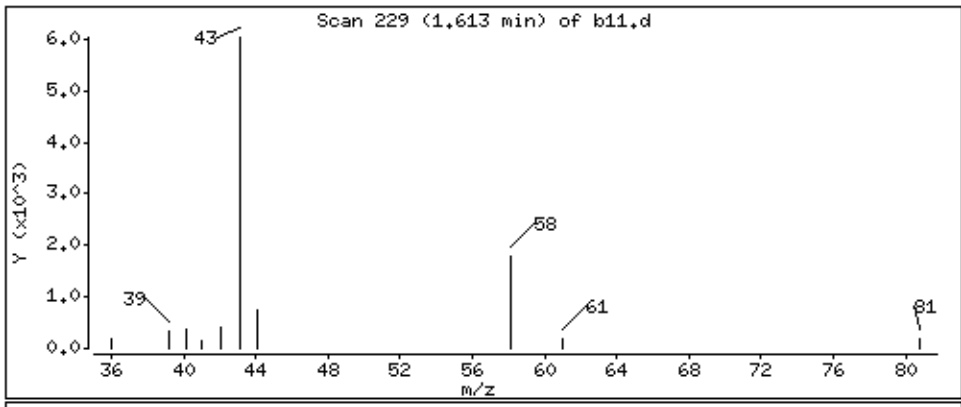
Column phase: DB-624

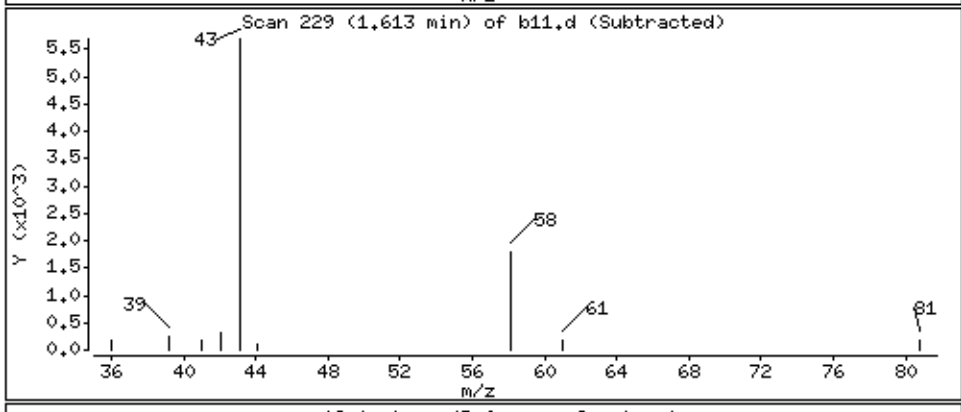
Column diameter: 0.18

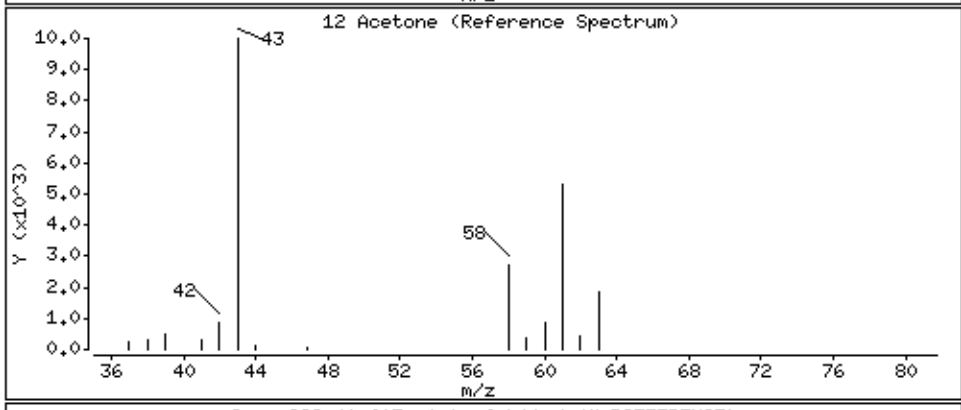
12 Acetone

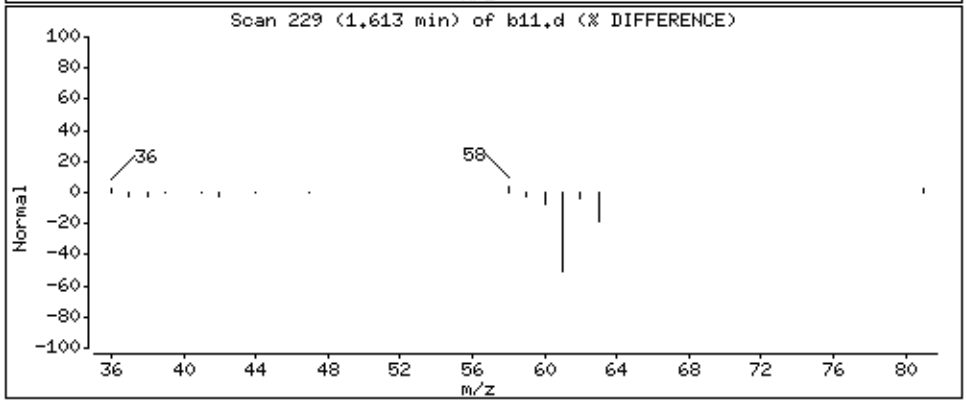
Concentration: 24.6 ppb

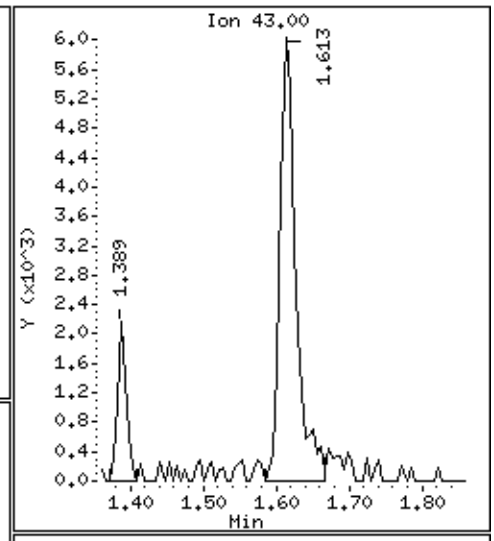
Review Code:

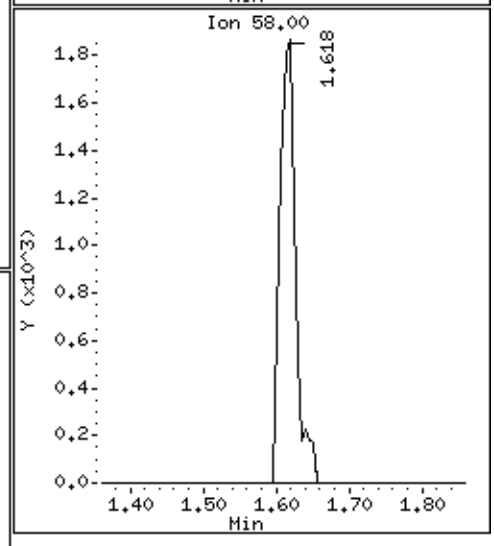












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d

Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

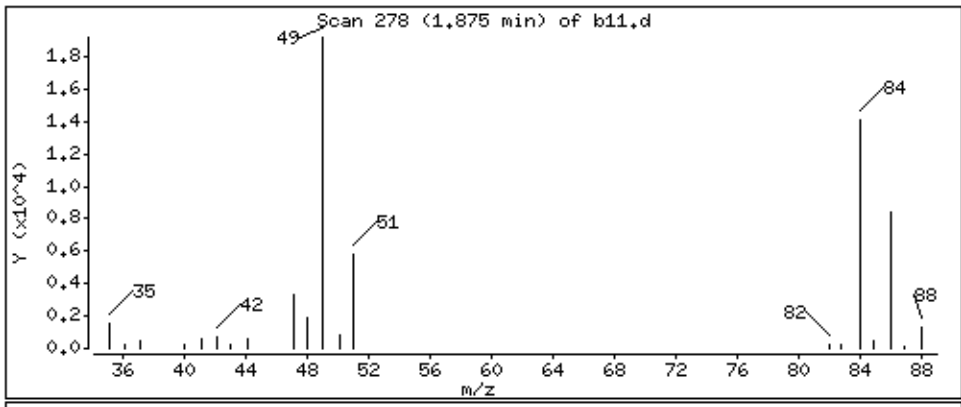
Column phase: DB-624

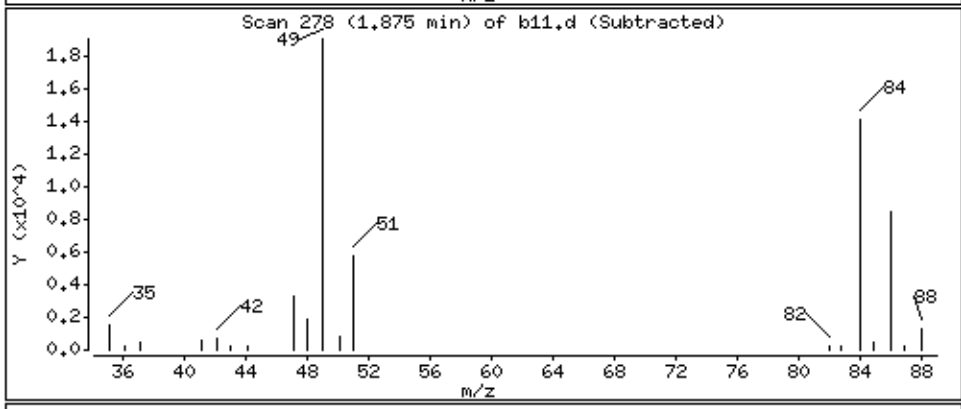
Column diameter: 0.18

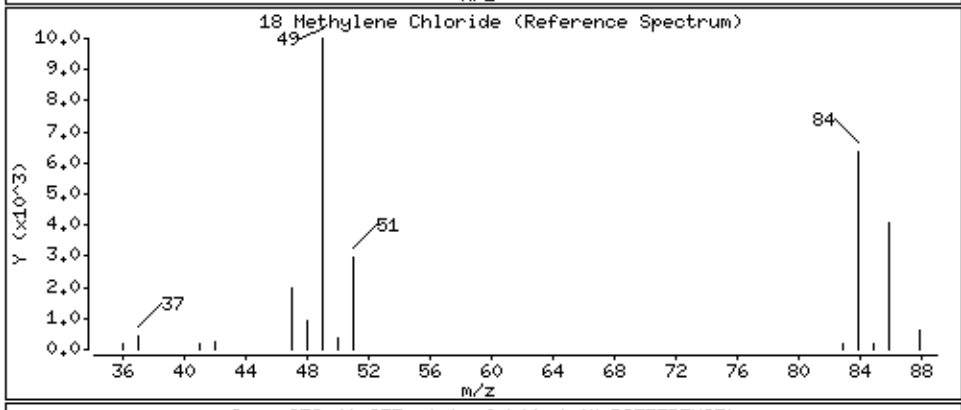
18 Methylene Chloride

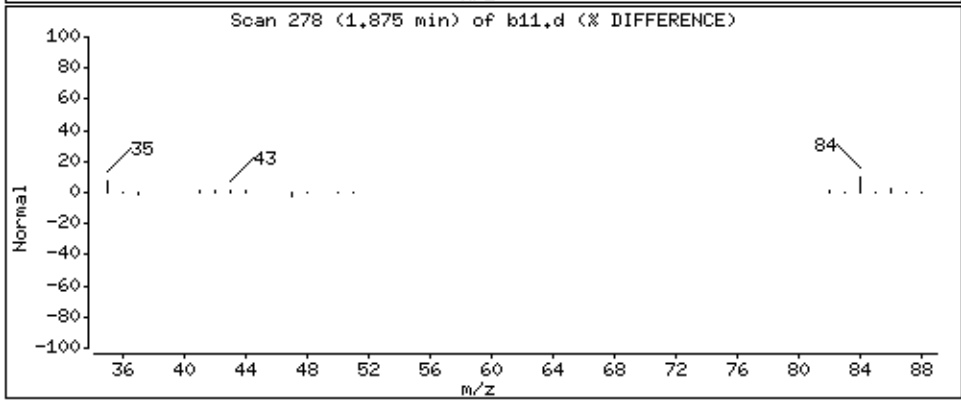
Concentration: 7.90 ppb

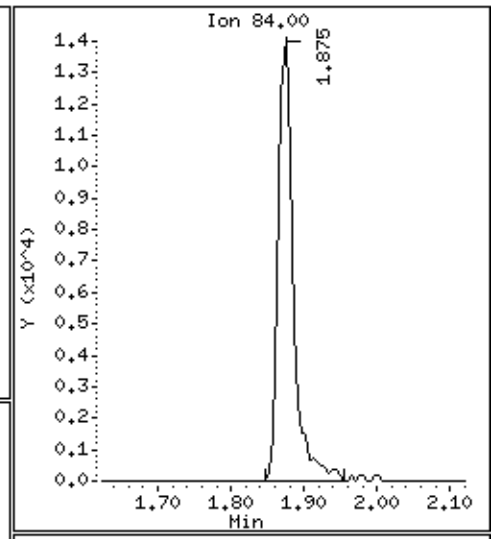
Review Code:

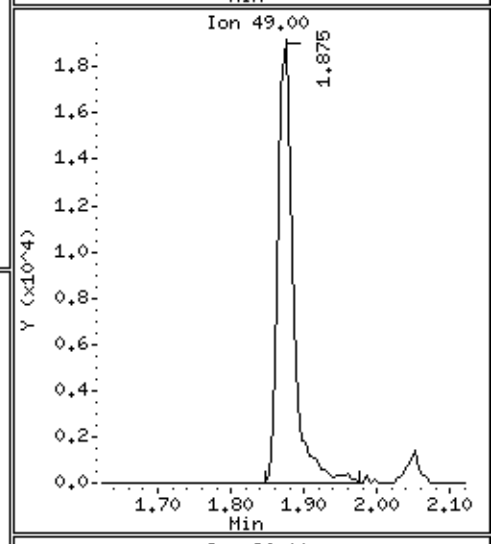


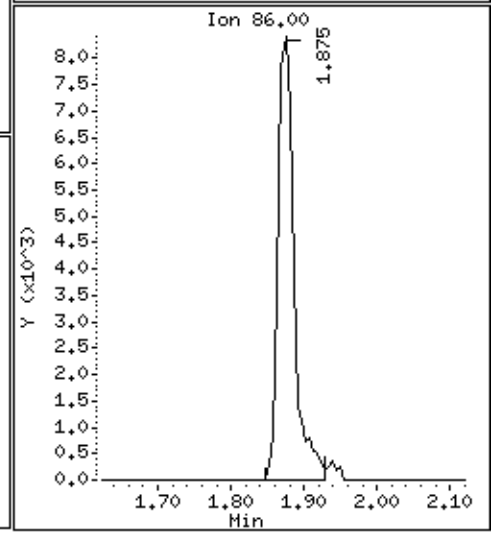












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d

Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

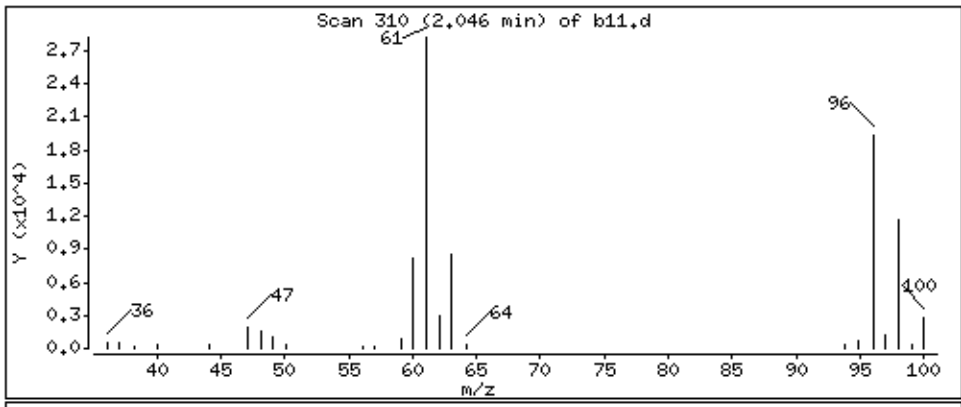
Column phase: DB-624

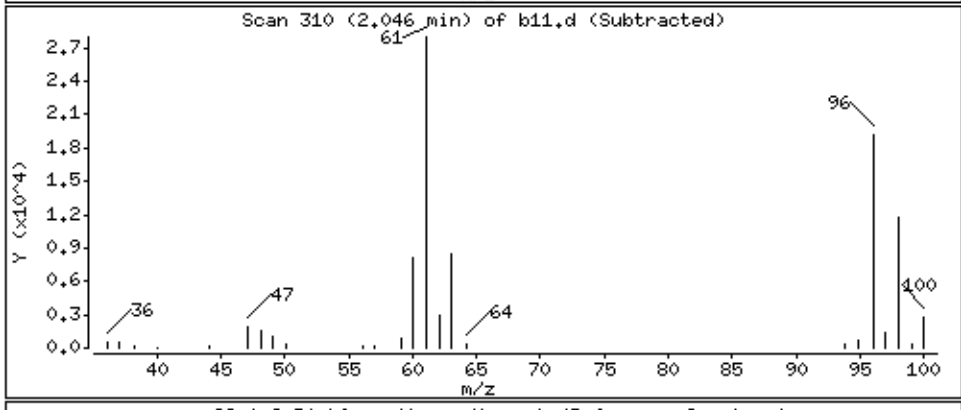
Column diameter: 0.18

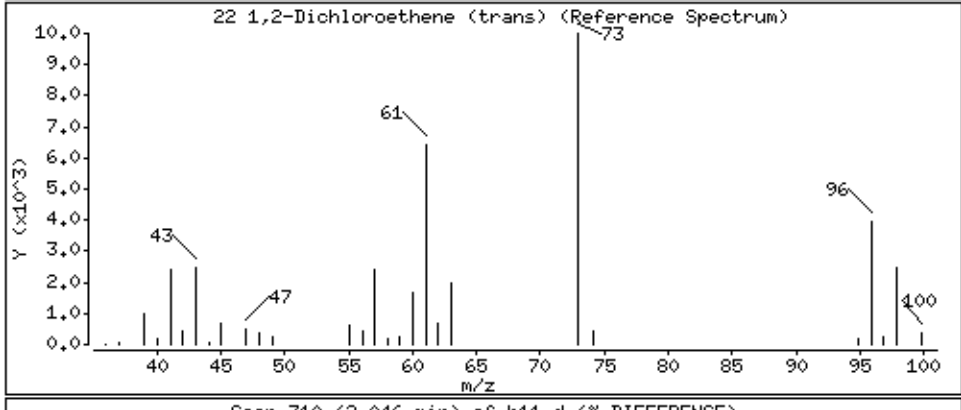
22 1,2-Dichloroethene (trans)

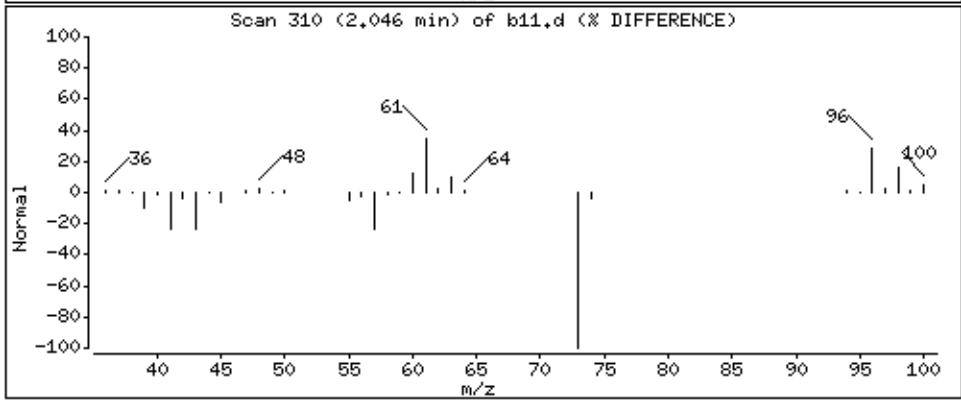
Concentration: 13.0 ppb

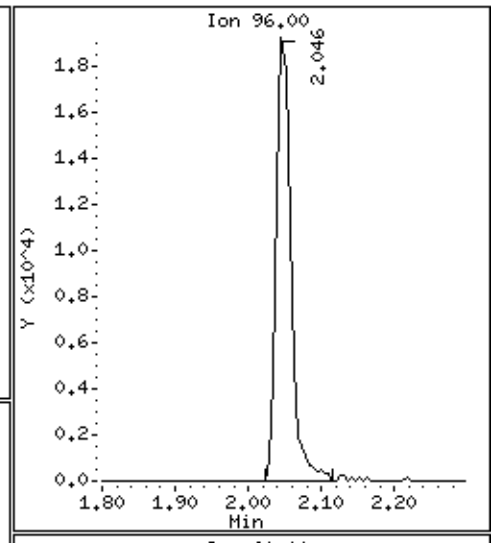
Review Code:

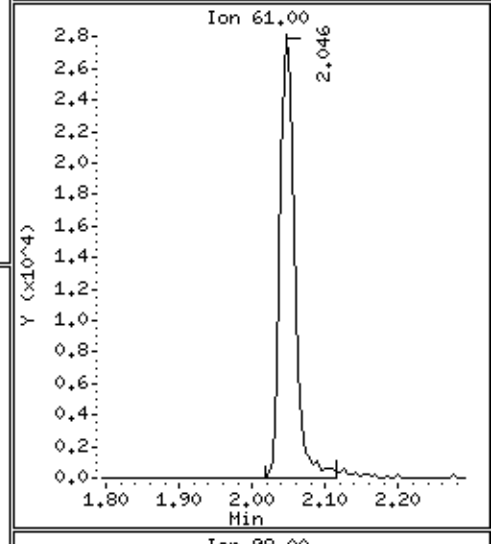


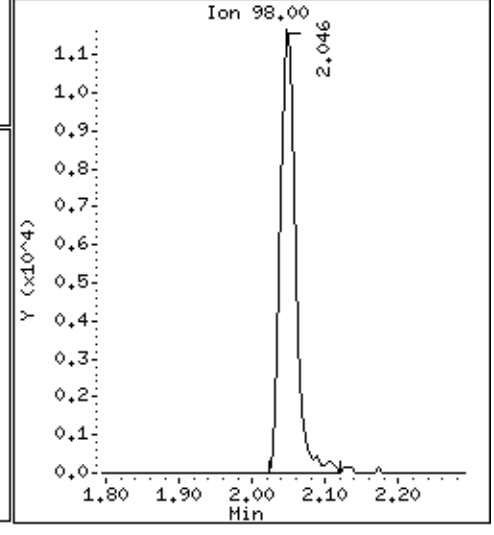












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d

Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

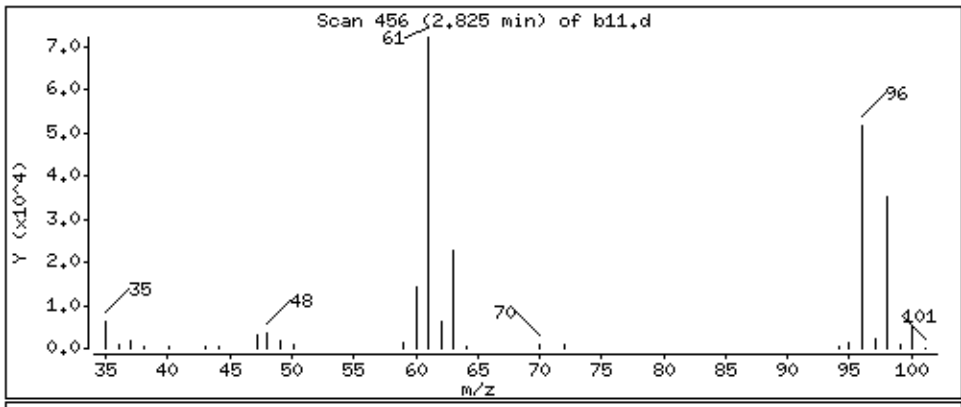
Column phase: DB-624

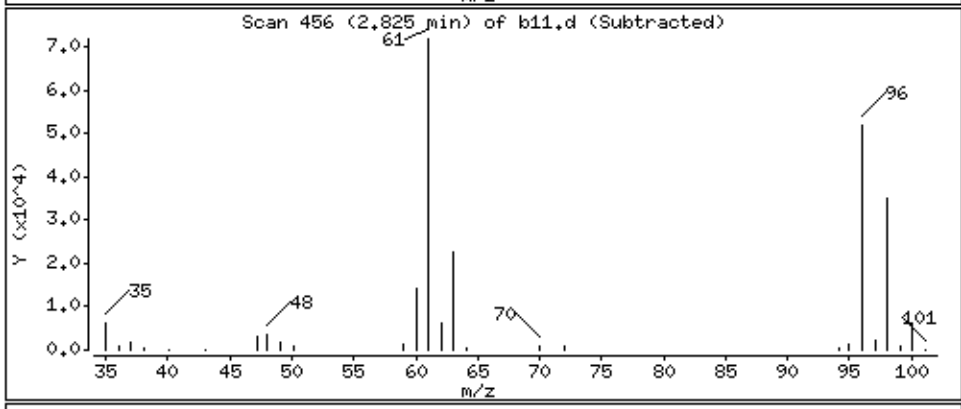
Column diameter: 0.18

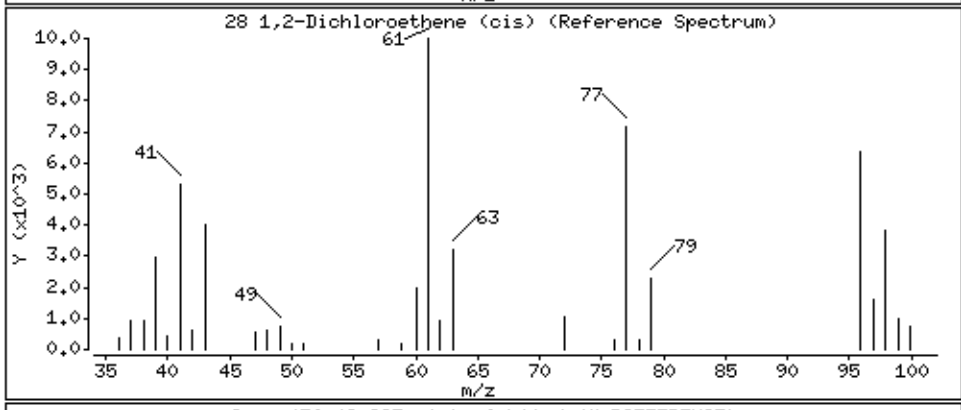
28 1,2-Dichloroethene (cis)

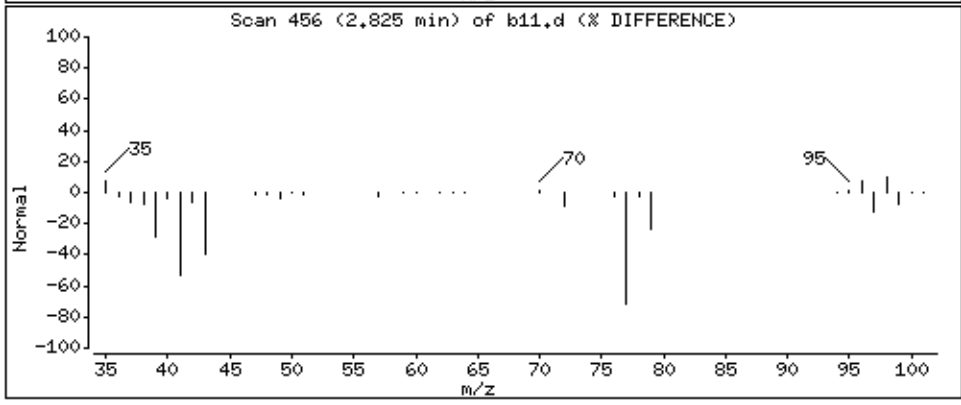
Concentration: 46.7 ppb

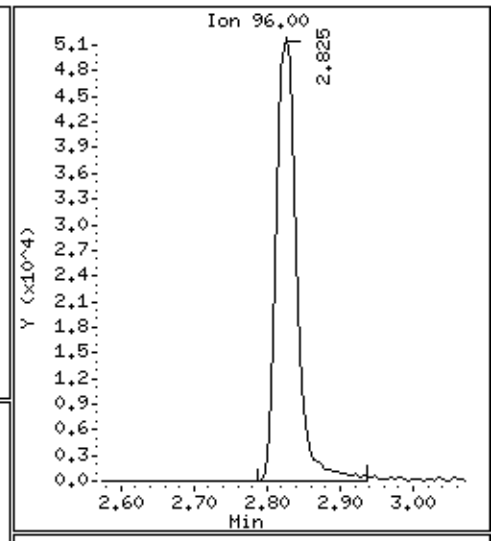
Review Code:

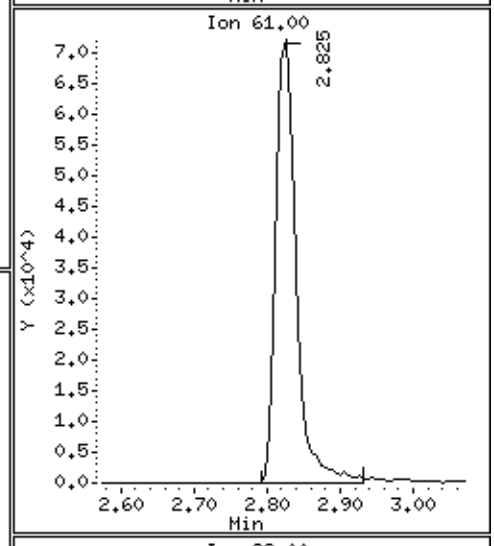


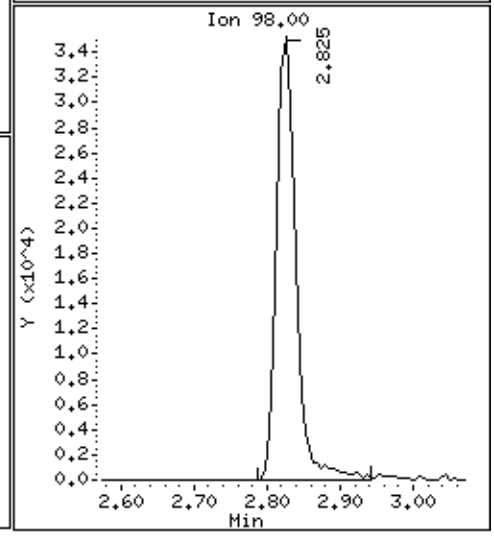












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Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

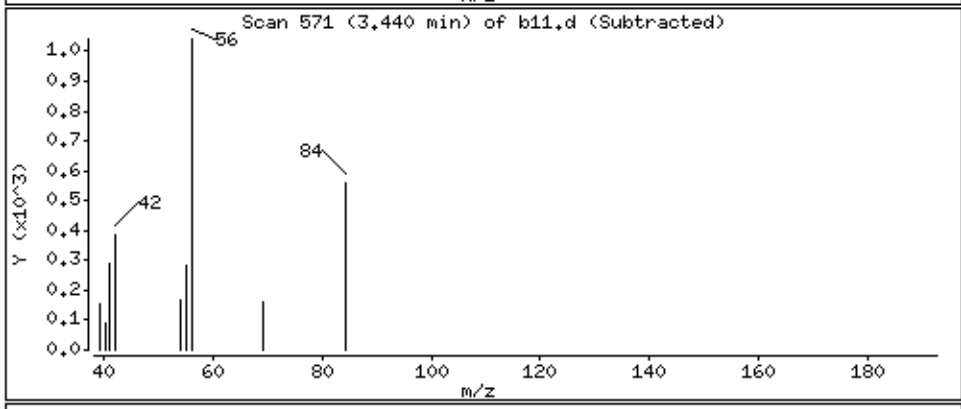
Column phase: DB-624

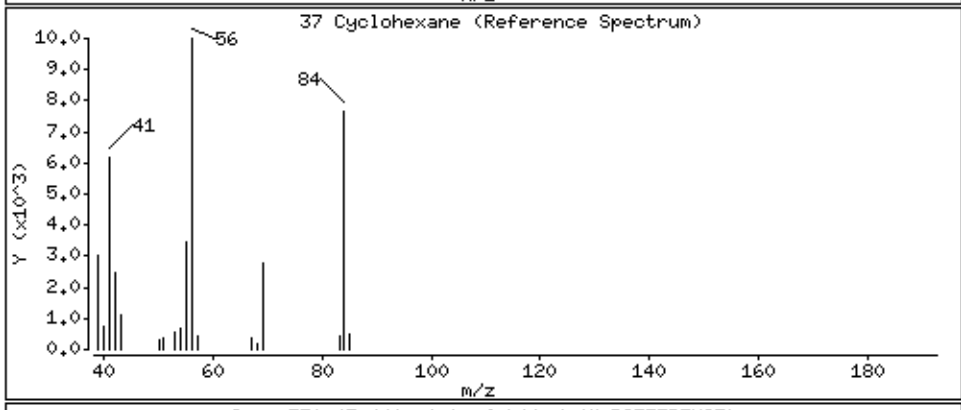
Column diameter: 0.18

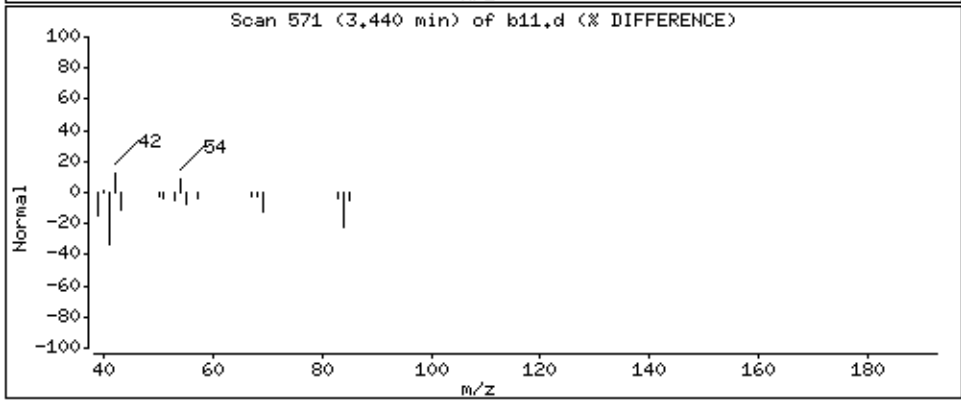
37 Cyclohexane

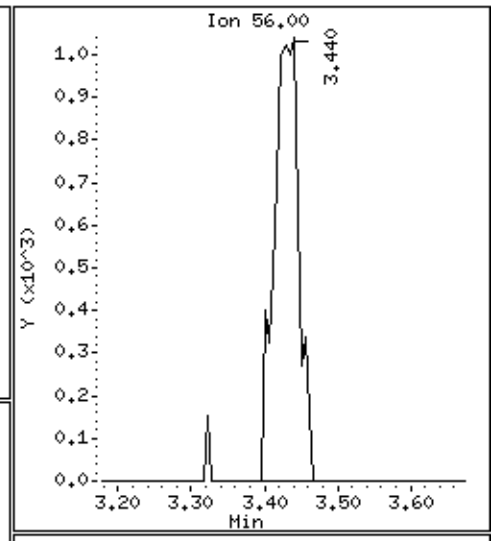
Concentration: 0.619 ppb

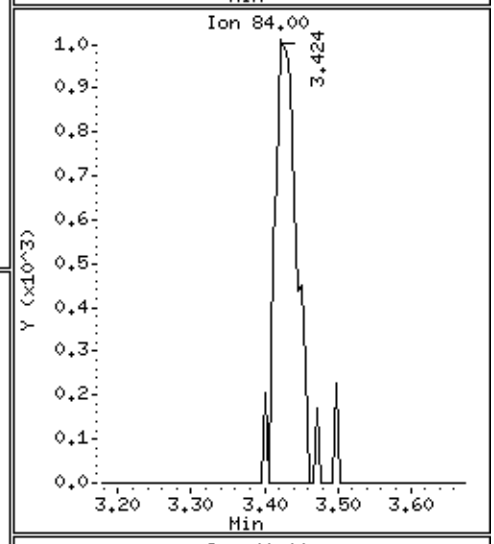
Review Code:

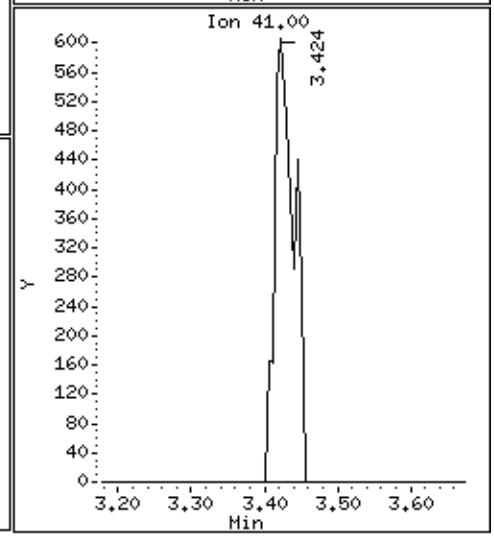












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d

Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

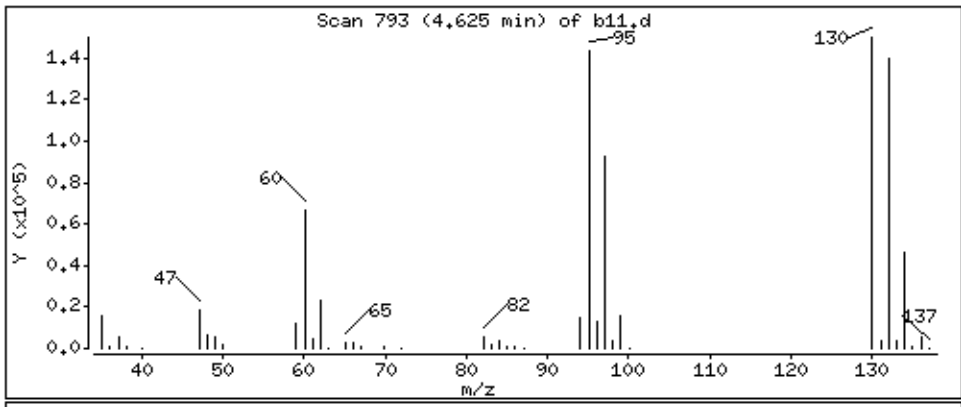
Column phase: DB-624

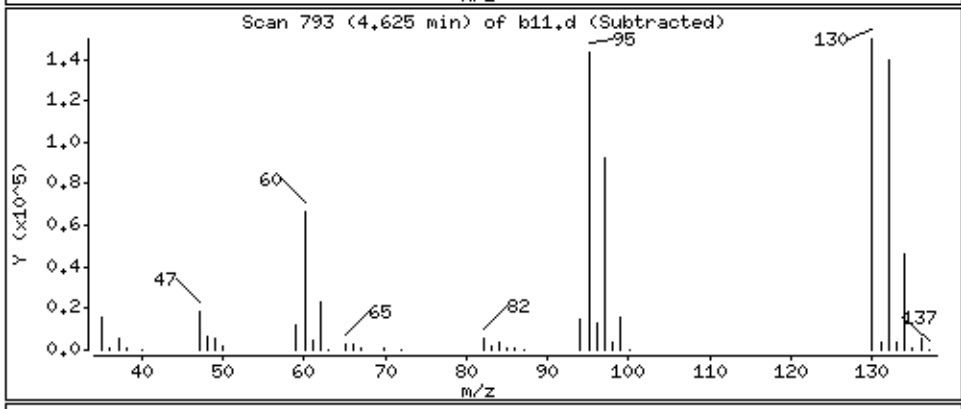
Column diameter: 0.18

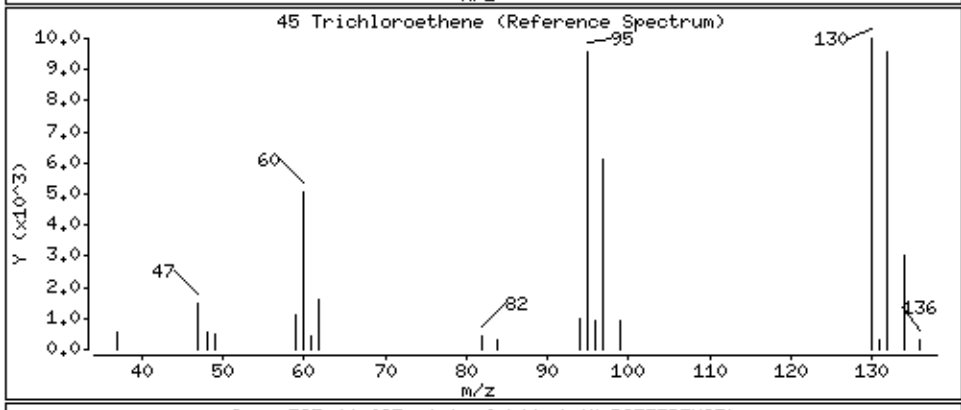
45 Trichloroethene

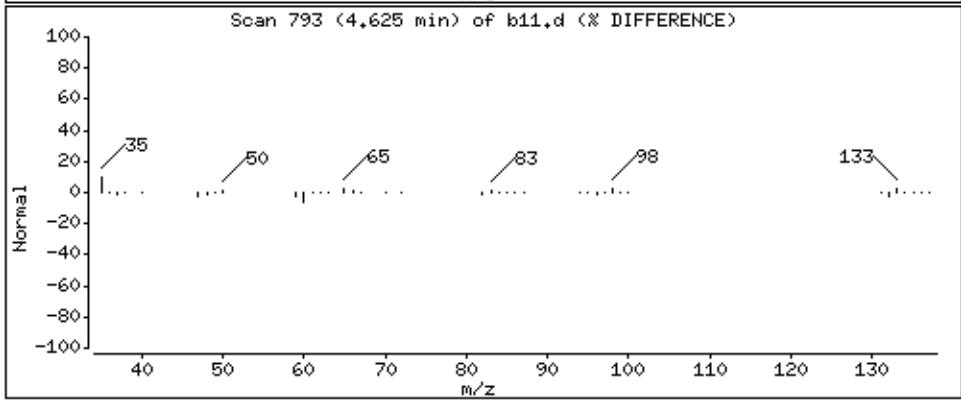
Concentration: 149 ppb

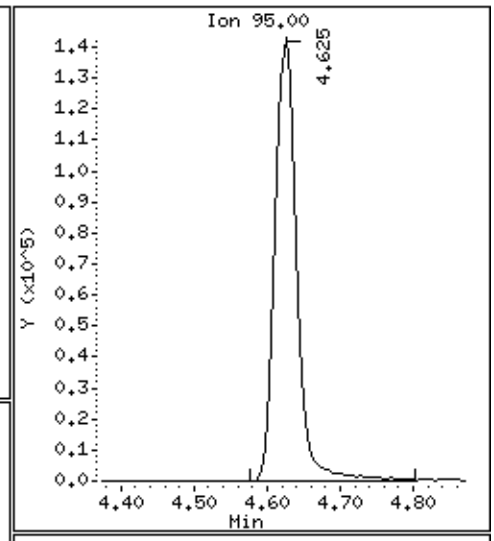
Review Code:

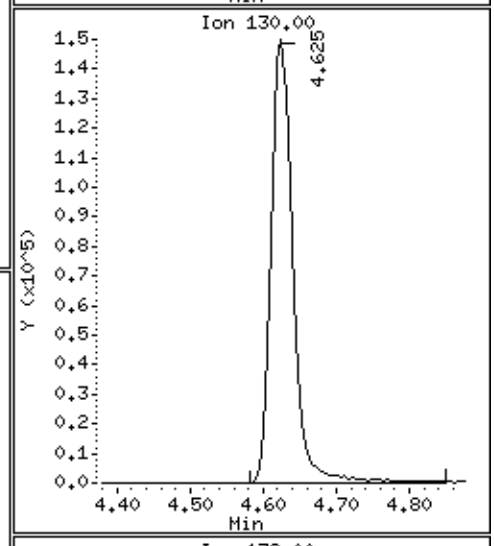


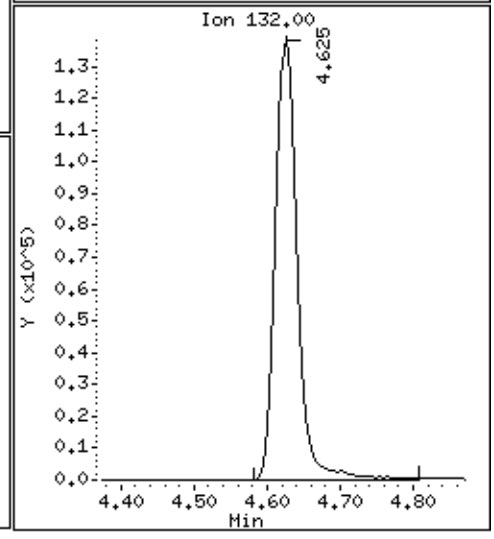












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b11.d

Date : 06-OCT-2016 18:05

Client ID: MW-0705-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366008

Purge Volume: 5.0

Operator: jlz

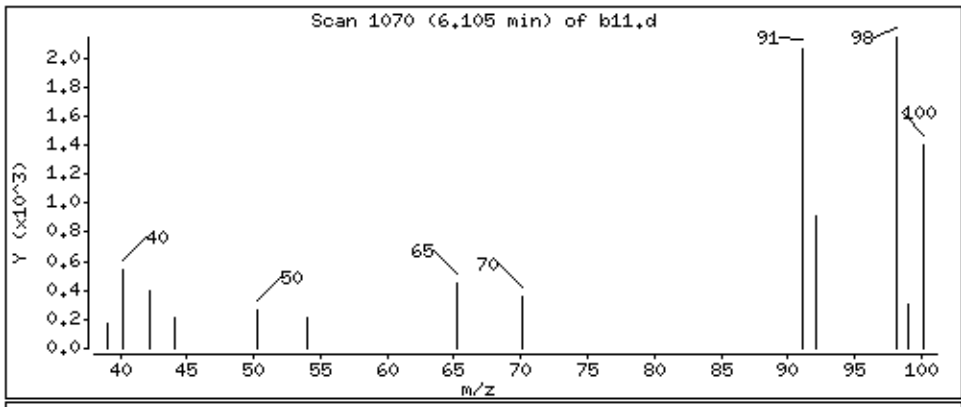
Column phase: DB-624

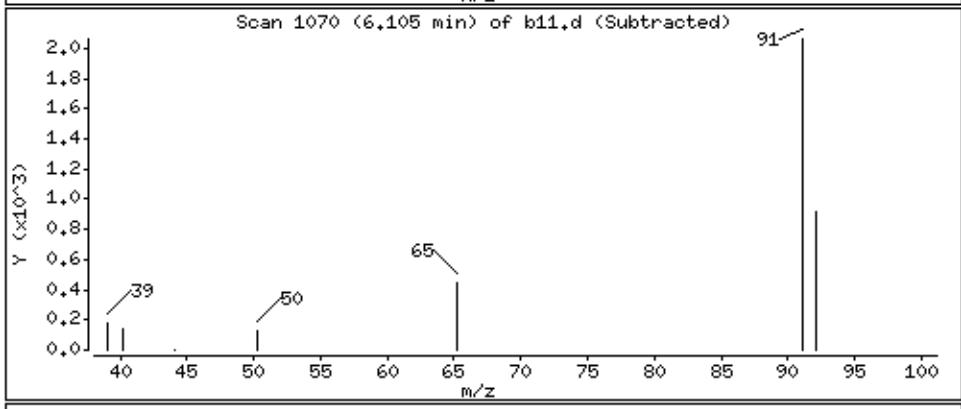
Column diameter: 0.18

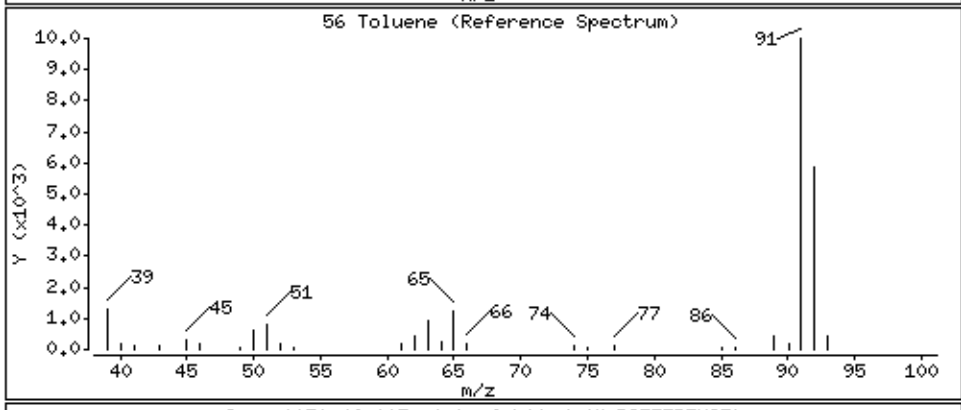
56 Toluene

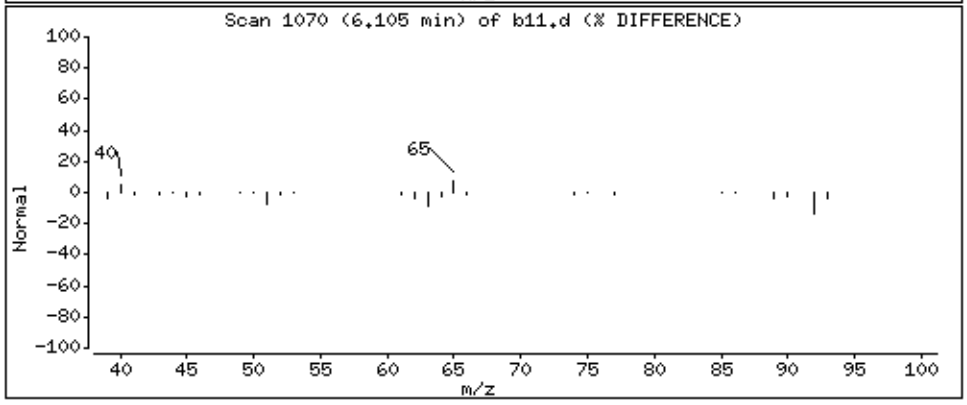
Concentration: 0.352 ppb

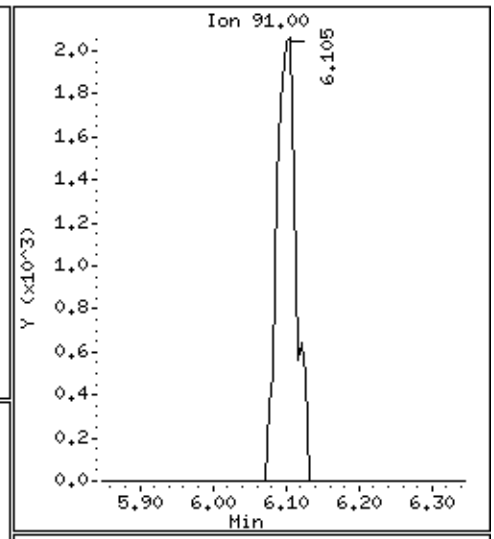
Review Code:

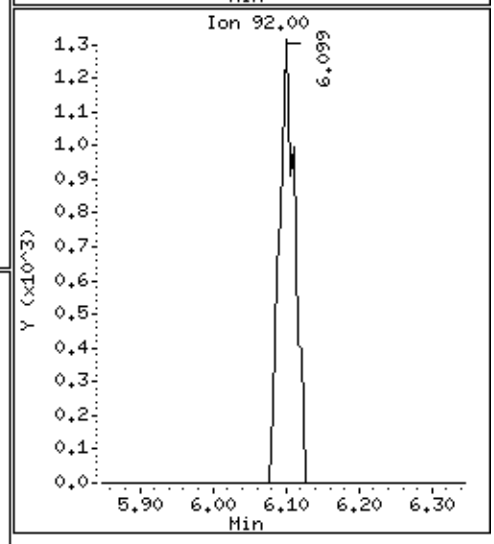












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b11.d
Injection Date: 06-OCT-2016 18:05
Instrument: 50mv3b.i
Lab Sample ID: 50155366008
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0612-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 03:08 Lab Sample ID: 50155366009

Date Analyzed: 10/11/2016 03:08 Lab File ID: A101016.B\C11.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 20 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-01-6	Trichloroethene	4630	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c11.d
Lab Smp Id: 50155366009 Client Smp ID: MW-0612-S1(092716)P
Inj Date : 11-OCT-2016 03:08
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366009x20
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 69
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.863	1.862	(0.447)	19995	8.17008	163	
	22 1,2-Dichloroethene (trans)	96	2.040	2.039	(0.490)	5662	2.75677	55.1	
	28 1,2-Dichloroethene (cis)	96	2.814	2.813	(0.676)	33269	15.1194	302(Q)	
$	35 Dibromofluoromethane (S)	113	3.332	3.331	(0.800)	91626	49.2671	49.3	
*	45 Fluorobenzene (IS)	96	4.165	4.164	(1.000)	411289	50.0000		
	46 Trichloroethene	95	4.614	4.618	(1.108)	495414	231.264	4620	
$	56 Toluene-d8 (S)	98	6.019	6.018	(0.820)	397416	46.5947	46.6	
	57 Toluene	91	6.094	6.093	(0.830)	4039	0.39887	7.98	
*	66 Chlorobenzene-D5 (IS)	117	7.343	7.342	(1.000)	275073	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.161	8.165	(1.111)	118919	48.4874	48.5	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.838	(1.000)	115553	50.0000		

QC Flag Legend

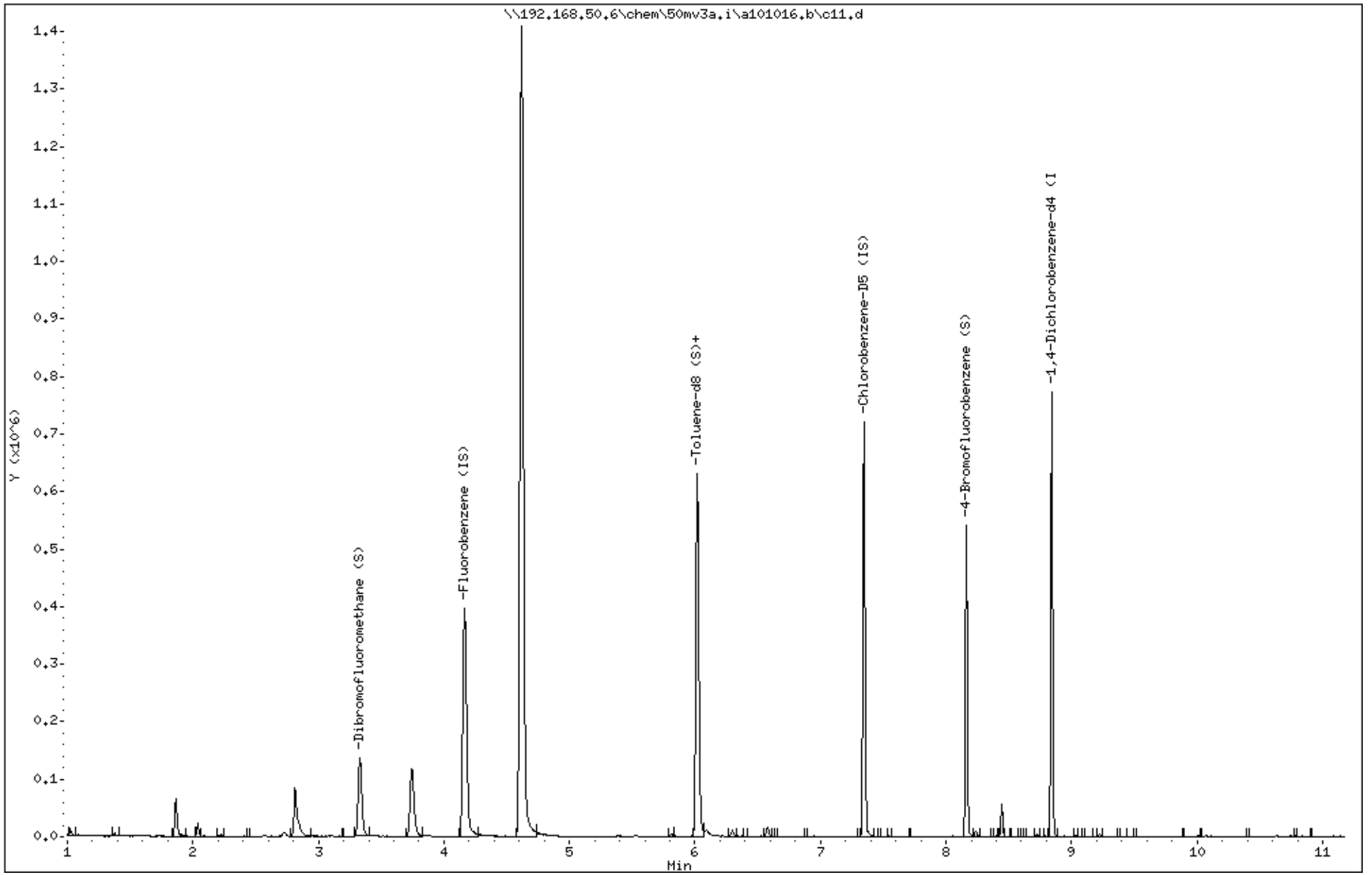
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c11.d
Date : 11-OCT-2016 03:08
Client ID: MW-0612-S1(092716)P
Sample Info: 50155366009x20
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c11.d

Date : 11-OCT-2016 03:08

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366009x20

Purge Volume: 5.0

Operator: jlz

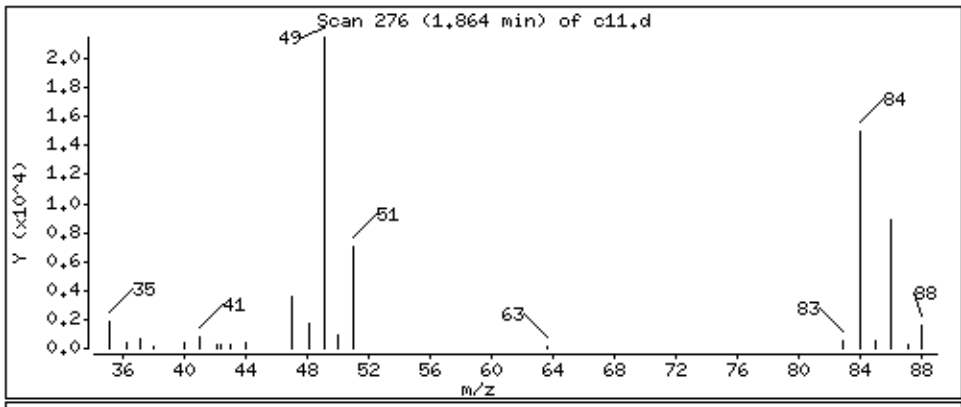
Column phase: DB-624

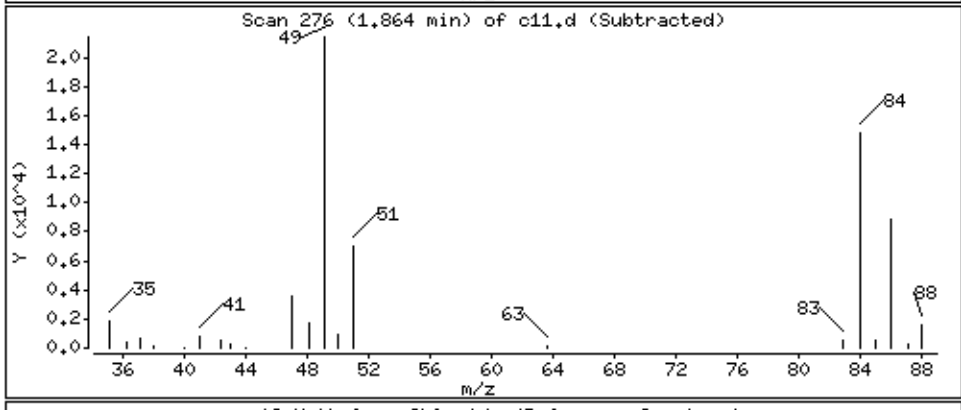
Column diameter: 0.18

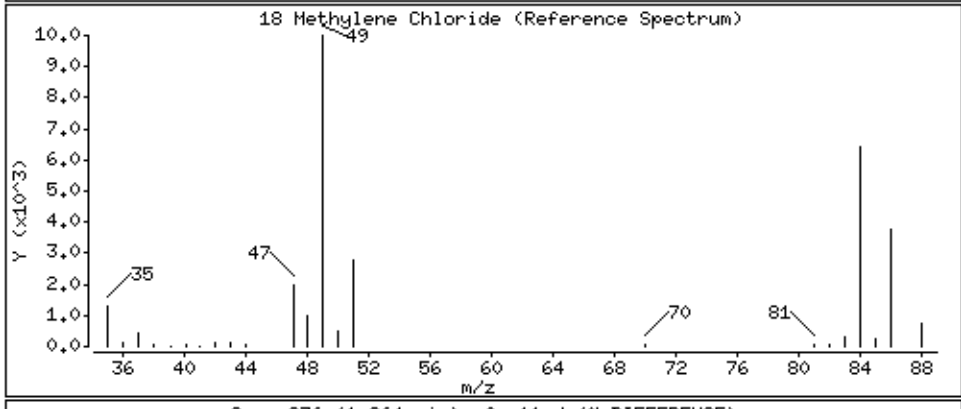
18 Methylene Chloride

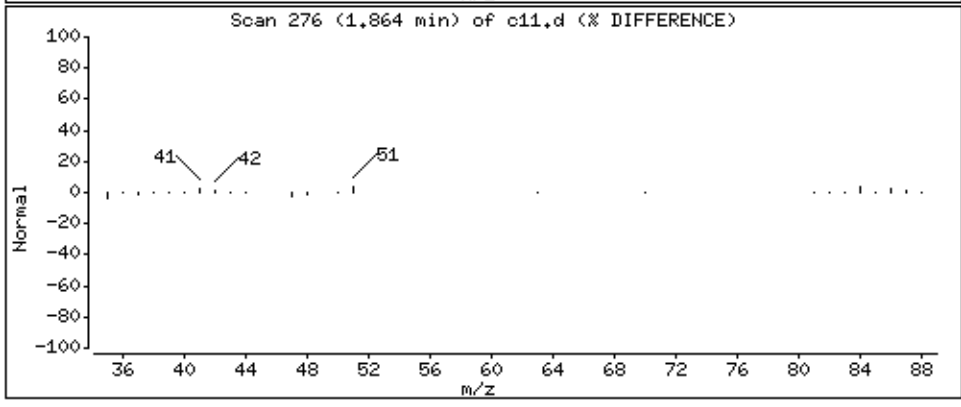
Concentration: 163 ppb

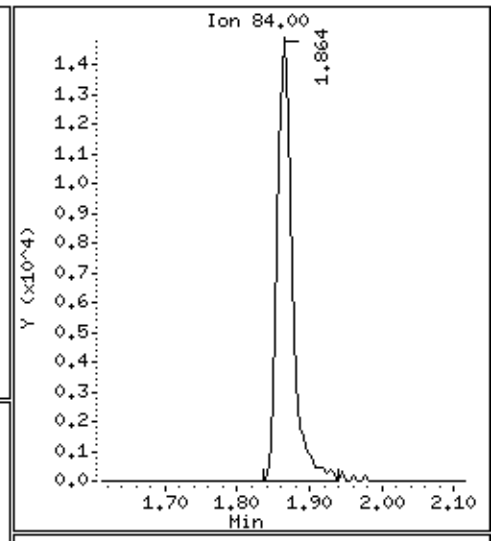
Review Code:

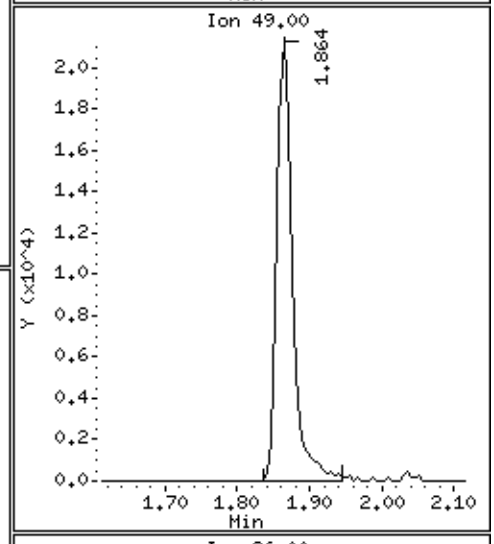


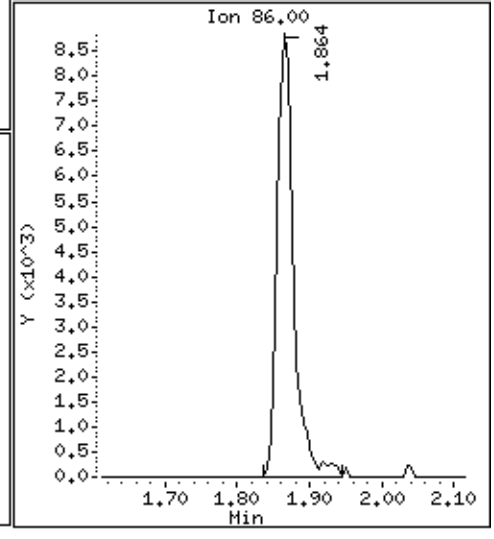












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c11.d

Date : 11-OCT-2016 03:08

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366009x20

Purge Volume: 5.0

Operator: jlz

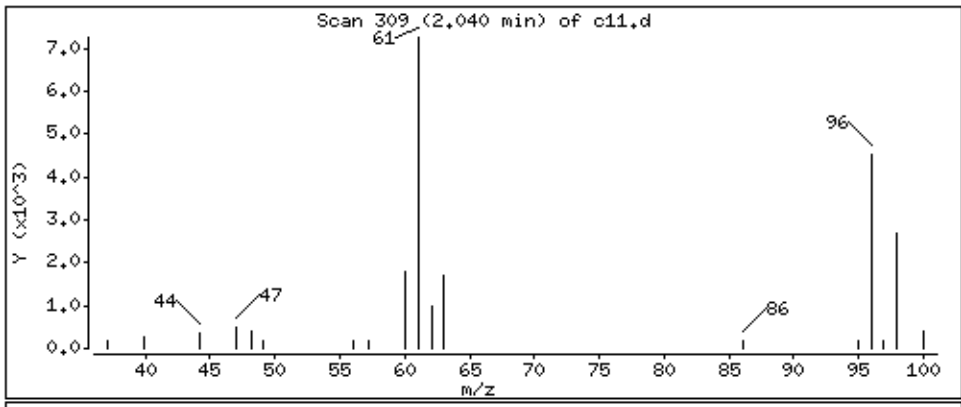
Column phase: DB-624

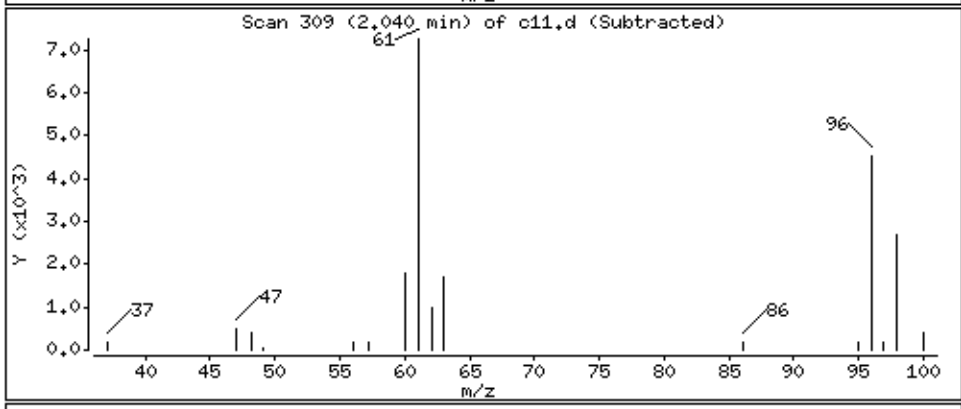
Column diameter: 0.18

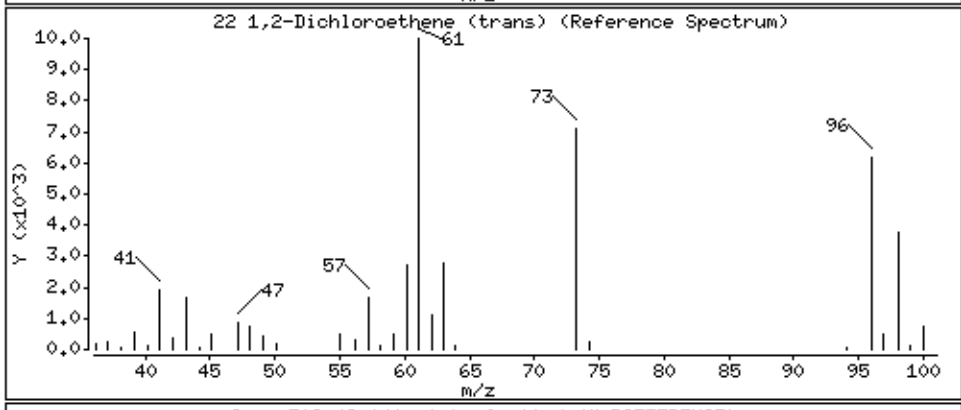
22 1,2-Dichloroethene (trans)

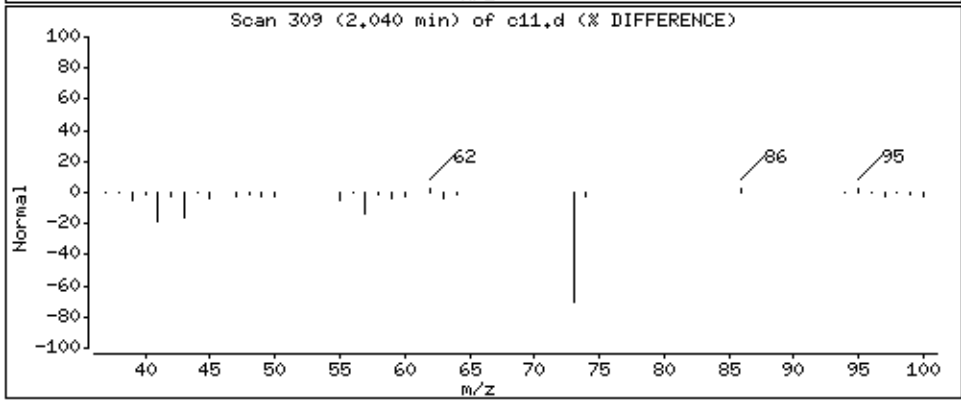
Concentration: 55.1 ppb

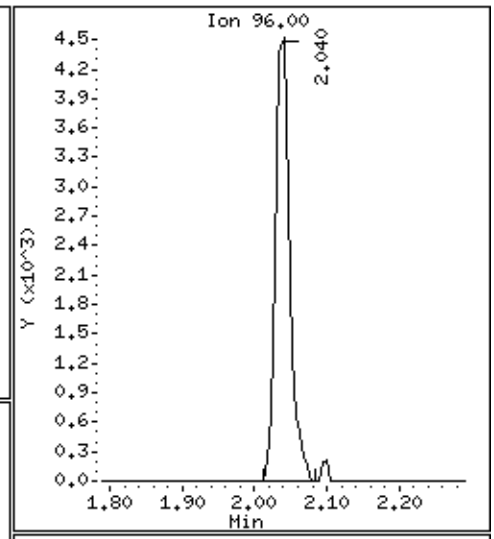
Review Code:

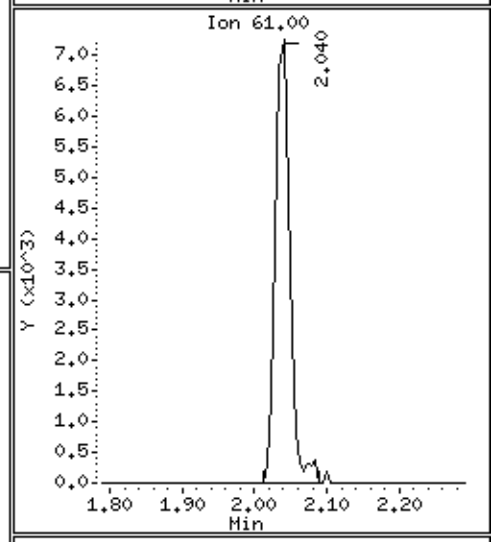


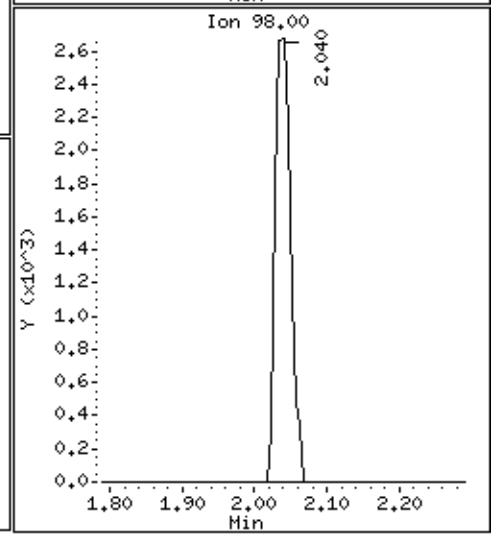












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c11.d

Date : 11-OCT-2016 03:08

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366009x20

Purge Volume: 5.0

Operator: jlz

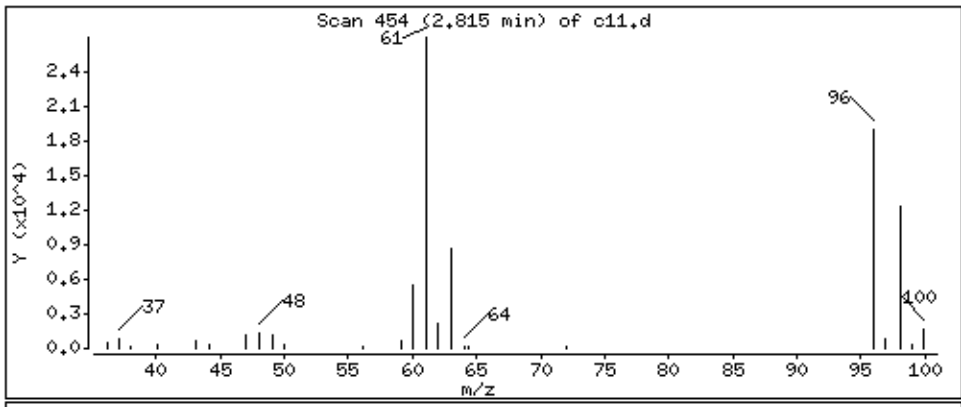
Column phase: DB-624

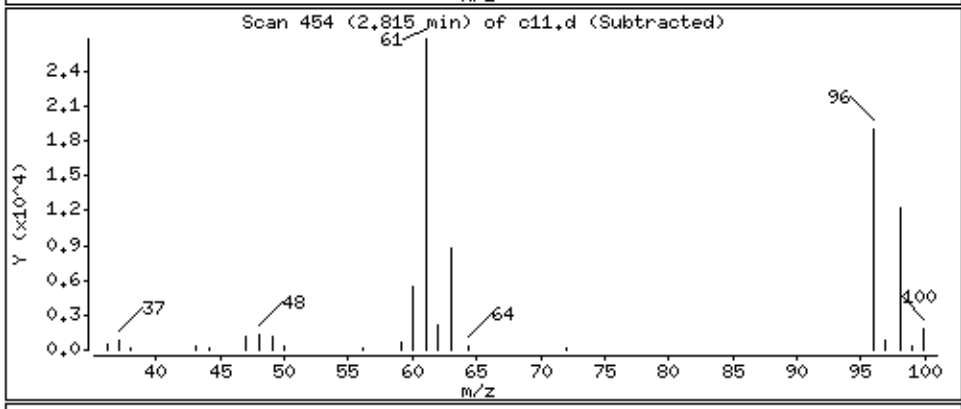
Column diameter: 0.18

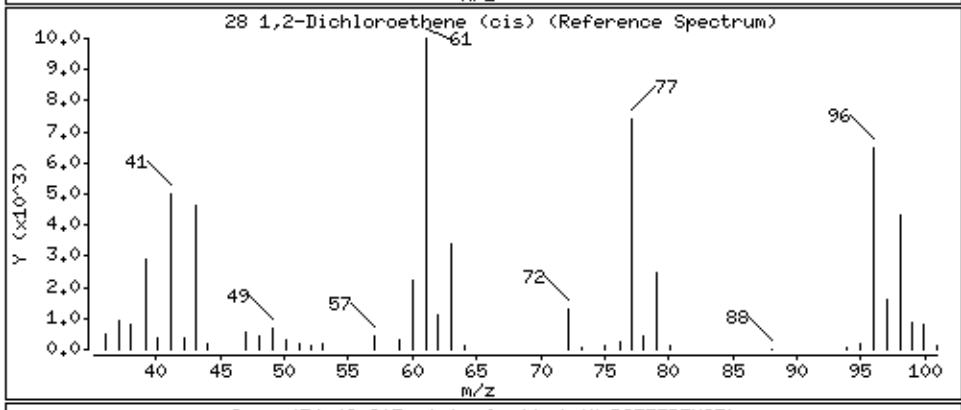
28 1,2-Dichloroethene (cis)

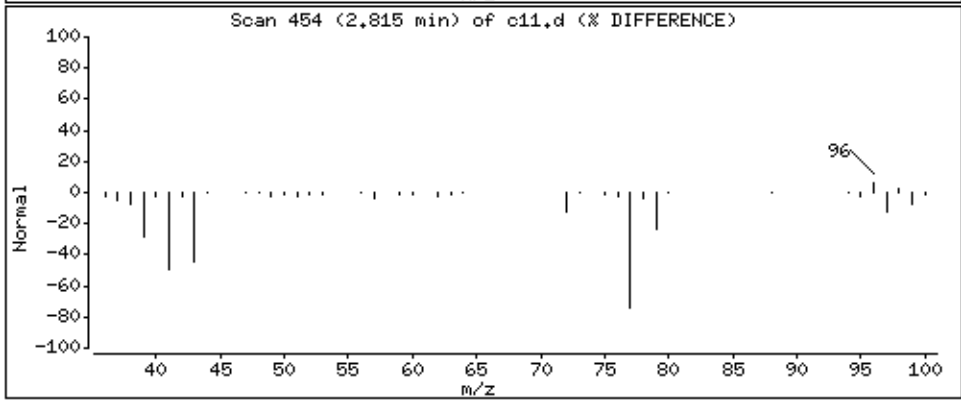
Concentration: 302 ppb

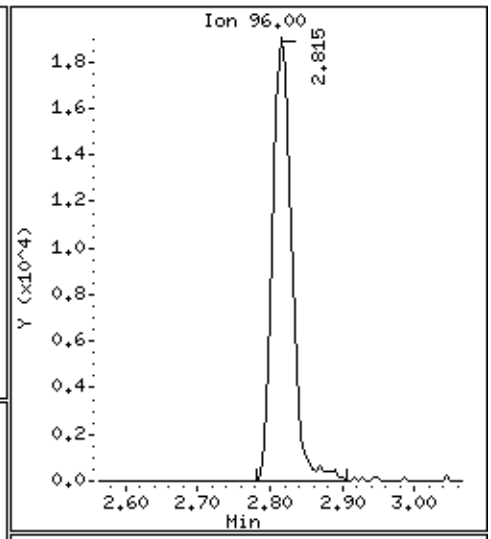
Review Code:

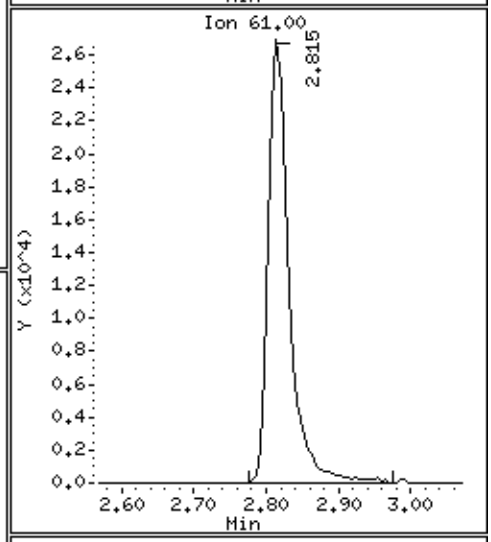


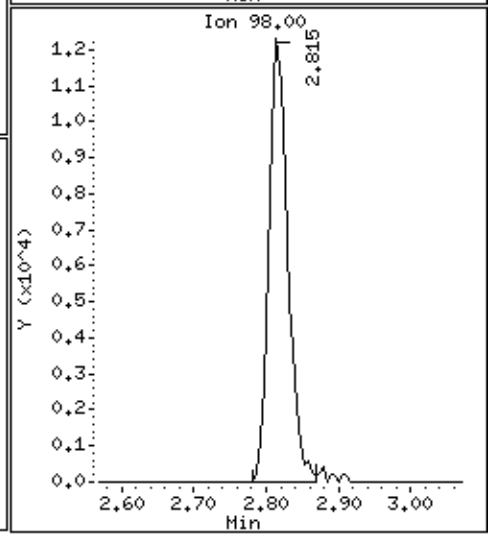












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c11.d

Date : 11-OCT-2016 03:08

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366009x20

Purge Volume: 5.0

Operator: jlz

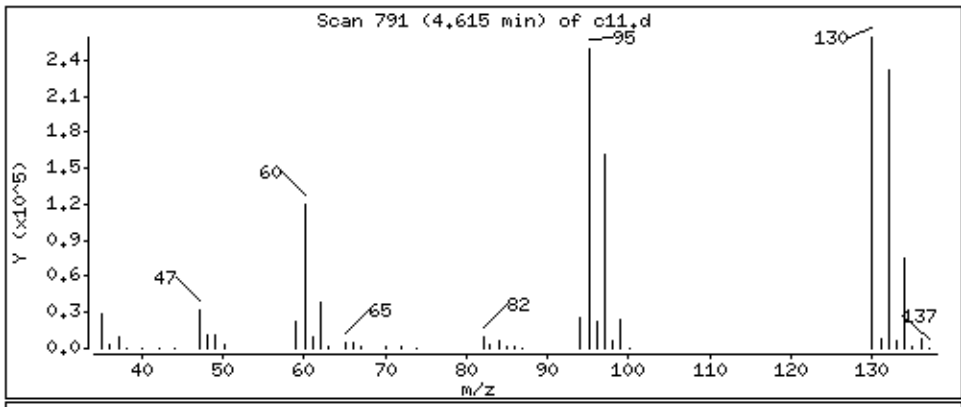
Column phase: DB-624

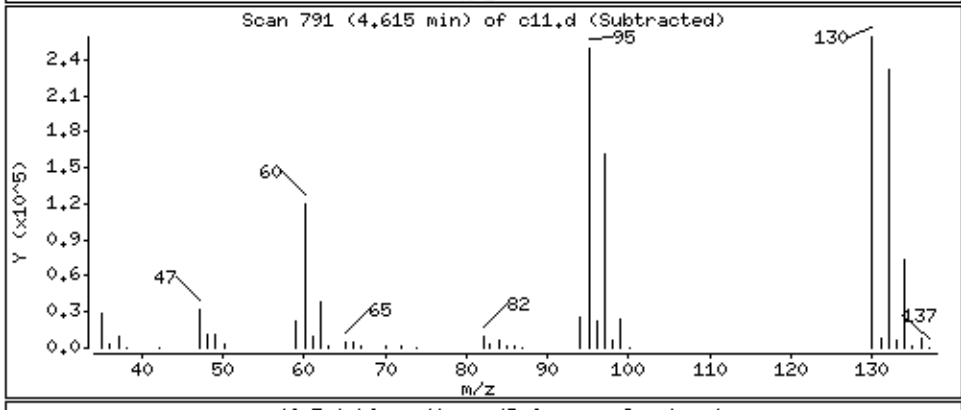
Column diameter: 0.18

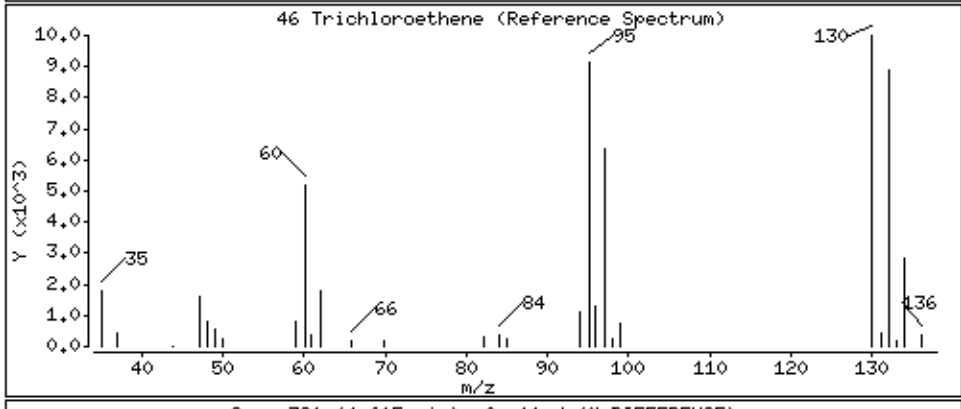
46 Trichloroethene

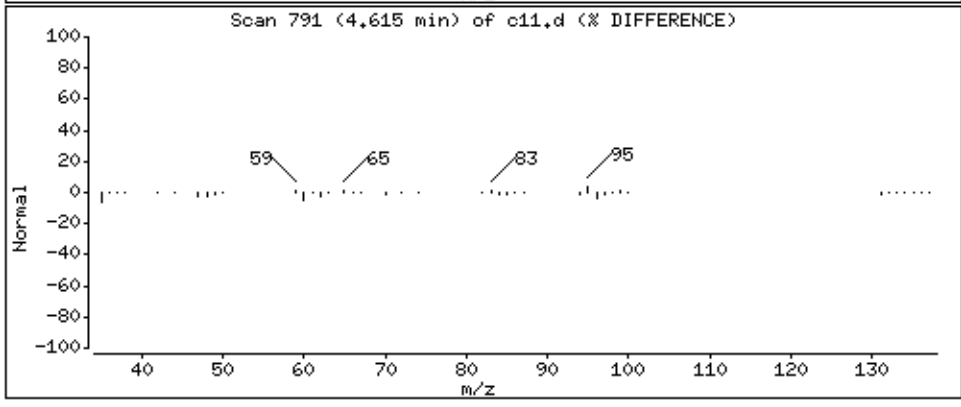
Concentration: 4620 ppb

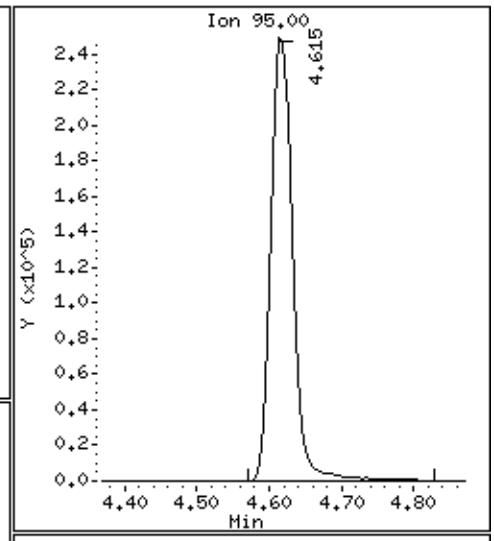
Review Code:

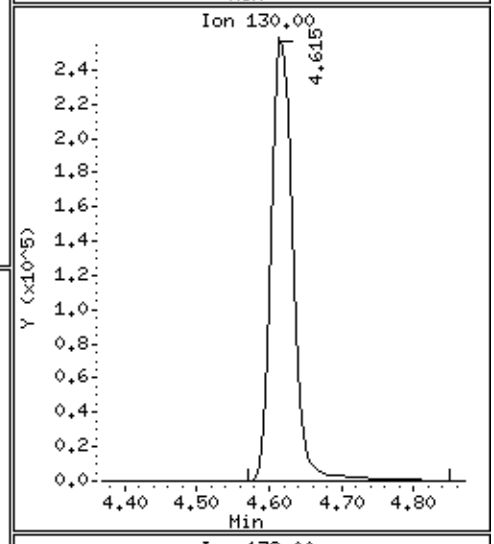


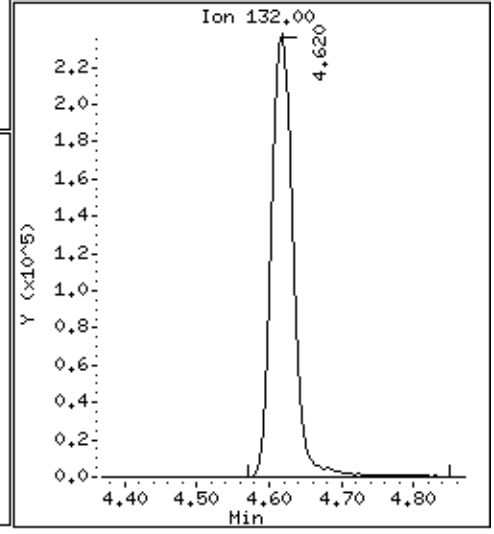












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c11.d

Date : 11-OCT-2016 03:08

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366009x20

Purge Volume: 5.0

Operator: jlz

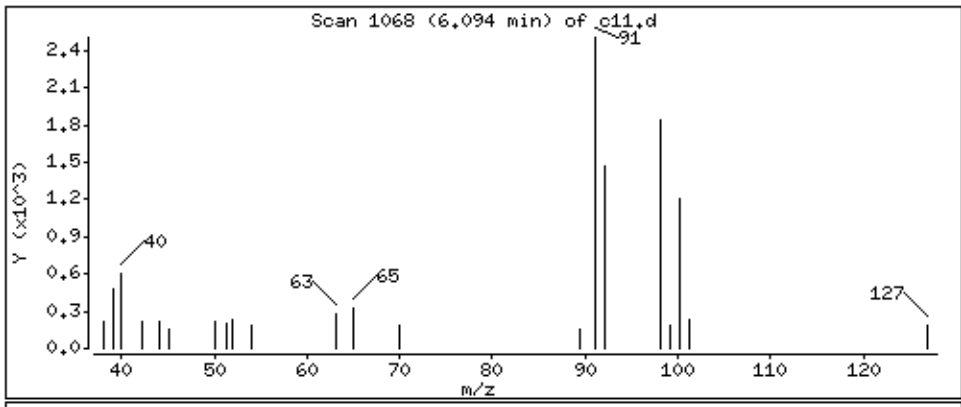
Column phase: DB-624

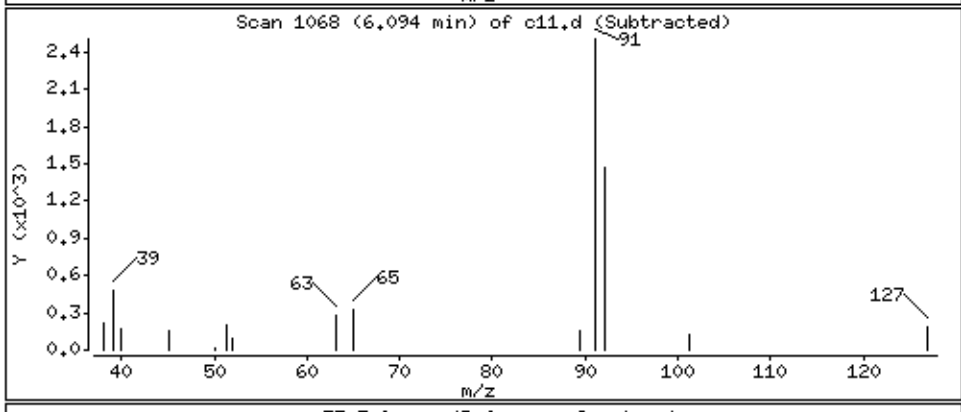
Column diameter: 0.18

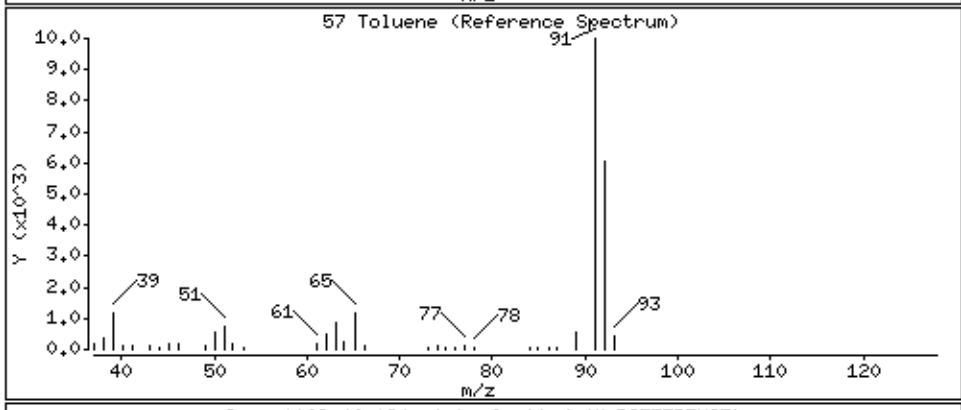
57 Toluene

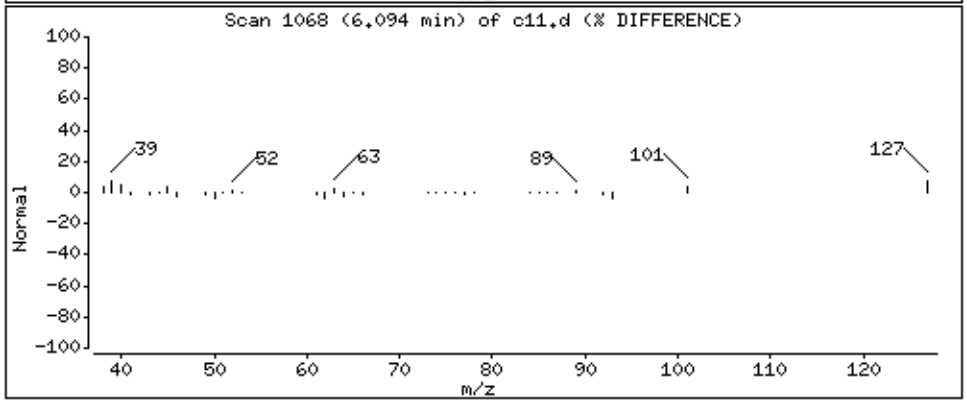
Concentration: 7.98 ppb

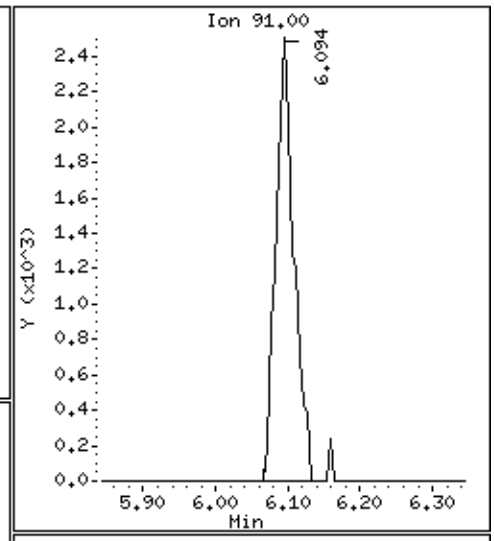
Review Code:

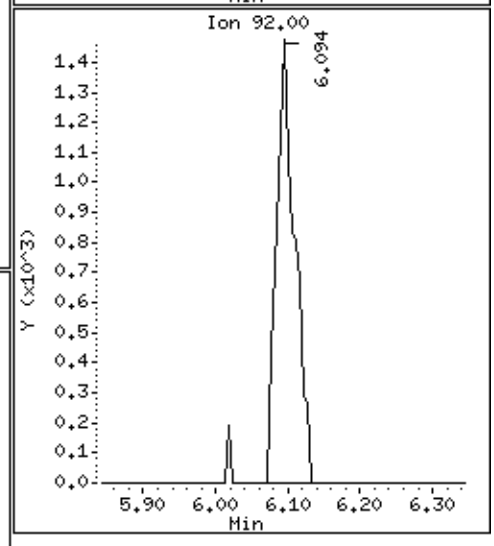












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c11.d
Injection Date: 11-OCT-2016 03:08
Instrument: 50mv3a.i
Lab Sample ID: 50155366009
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0612-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 18:37 Lab Sample ID: 50155366009

Date Analyzed: 10/06/2016 18:37 Lab File ID: B100616.B\B12.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	249	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	112	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0612-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 18:37 Lab Sample ID: 50155366009

Date Analyzed: 10/06/2016 18:37 Lab File ID: B100616.B\B12.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d
Lab Smp Id: 50155366009 Client Smp ID: MW-0612-S1(092716)P
Inj Date : 06-OCT-2016 18:37
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366009x10
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 26
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
3 Vinyl Chloride	62	1.045	1.044	(0.250)	2733	0.95161	9.52	
18 Methylene Chloride	84	1.873	1.872	(0.449)	25244	11.2405	112	
22 1,2-Dichloroethene (trans)	96	2.049	2.048	(0.491)	8783	4.48352	44.8	
28 1,2-Dichloroethene (cis)	96	2.824	2.823	(0.676)	51591	24.8681	249(Q)	
$ 35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	86433	49.2511	49.2	
* 44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	381172	50.0000		
45 Trichloroethene	95	4.623	4.623	(1.107)	765420	399.766	4000	
$ 55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	384621	47.6380	47.6	
56 Toluene	91	6.103	6.097	(0.831)	4278	0.42629	4.26	
* 65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	273302	50.0000		
$ 74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.111)	133539	52.5443	52.5	
* 88 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	133255	50.0000		

QC Flag Legend

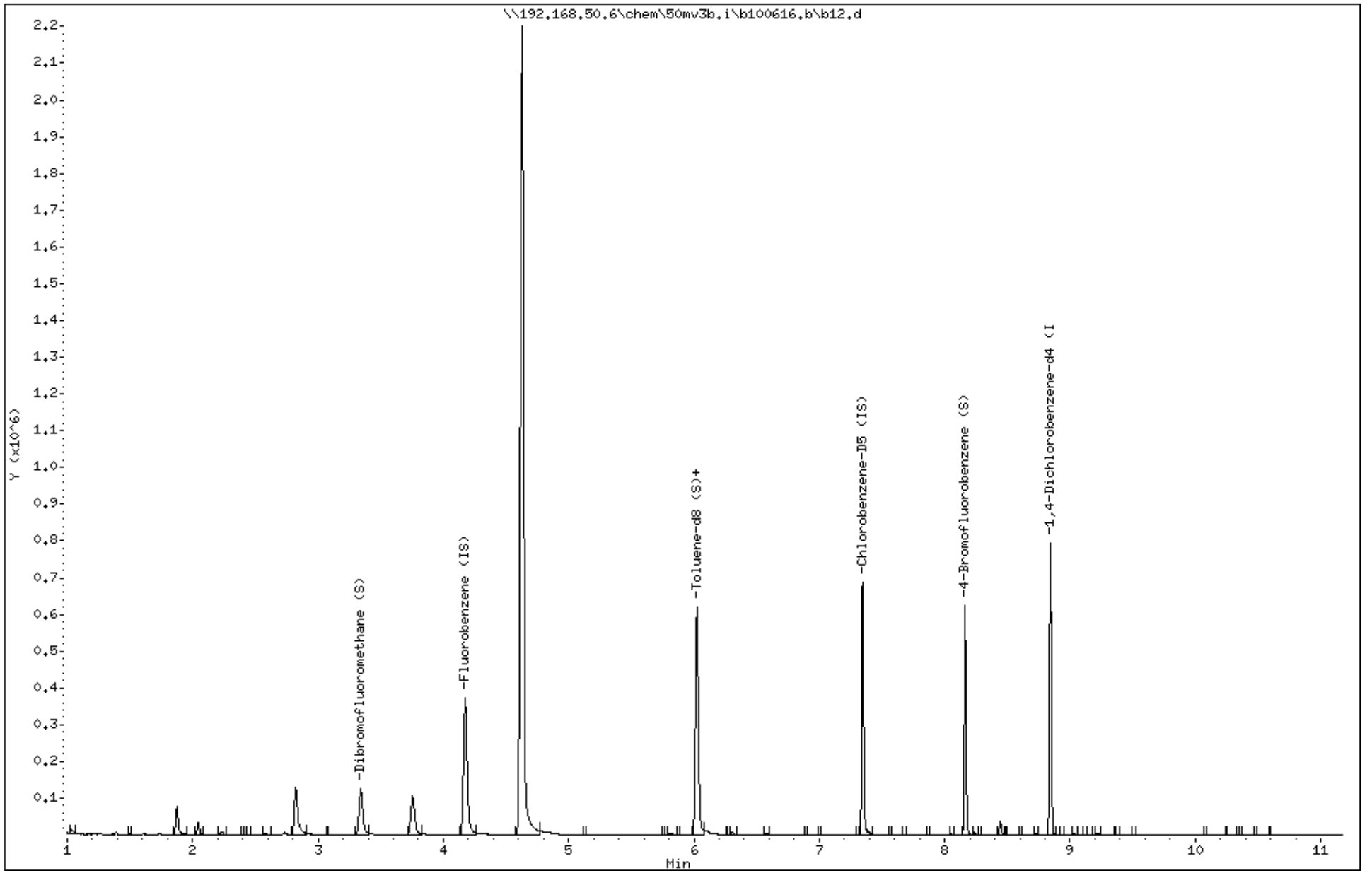
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d
Date : 06-OCT-2016 18:37
Client ID: MW-0612-S1(092716)P
Sample Info: 50155366009x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d

Date : 06-OCT-2016 18:37

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366009x10

Purge Volume: 5.0

Operator: jlz

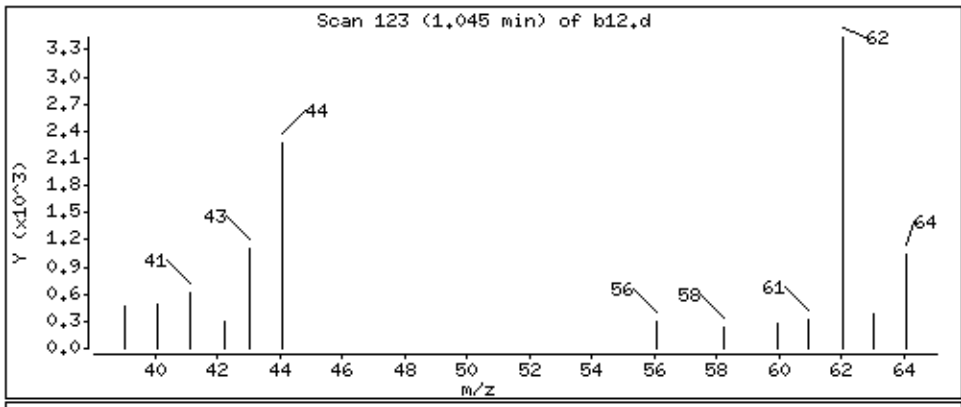
Column phase: DB-624

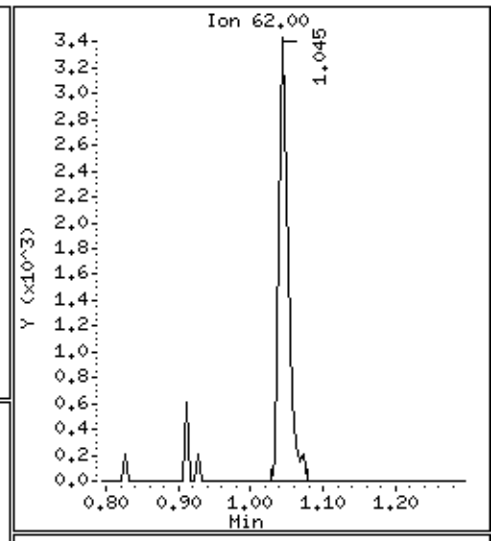
Column diameter: 0.18

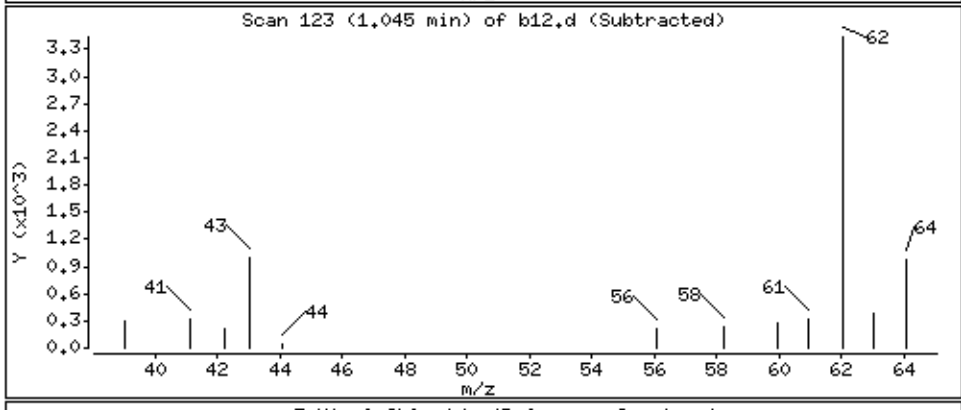
3 Vinyl Chloride

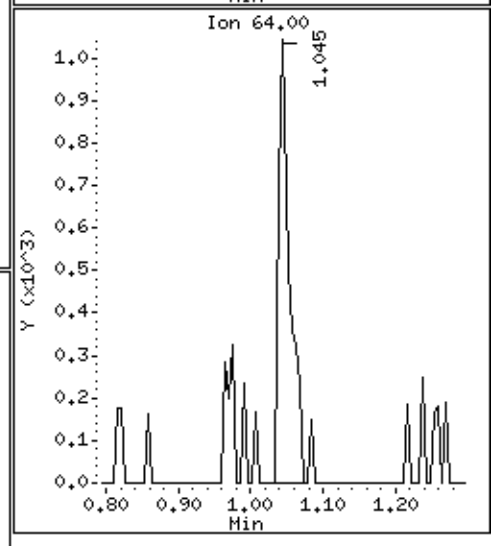
Concentration: 9.52 ppb

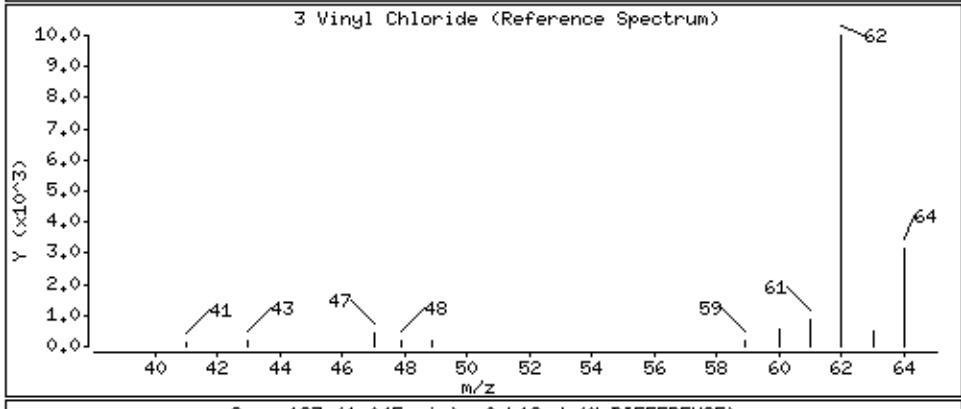
Review Code:

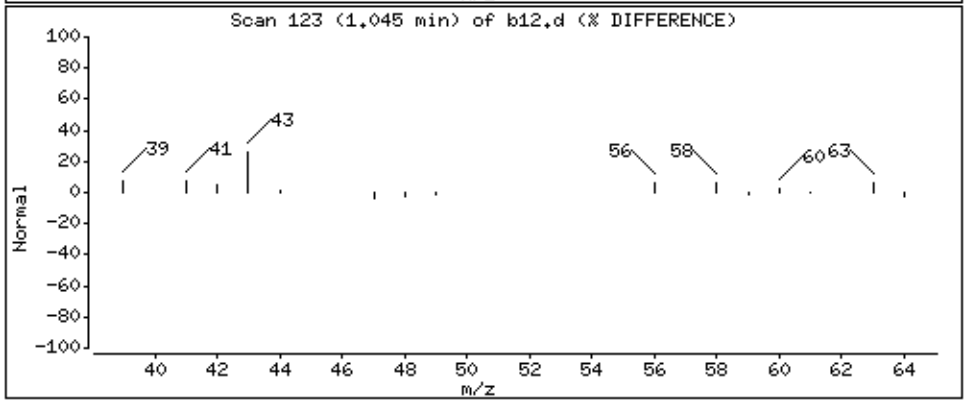












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d

Date : 06-OCT-2016 18:37

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366009x10

Purge Volume: 5.0

Operator: jlz

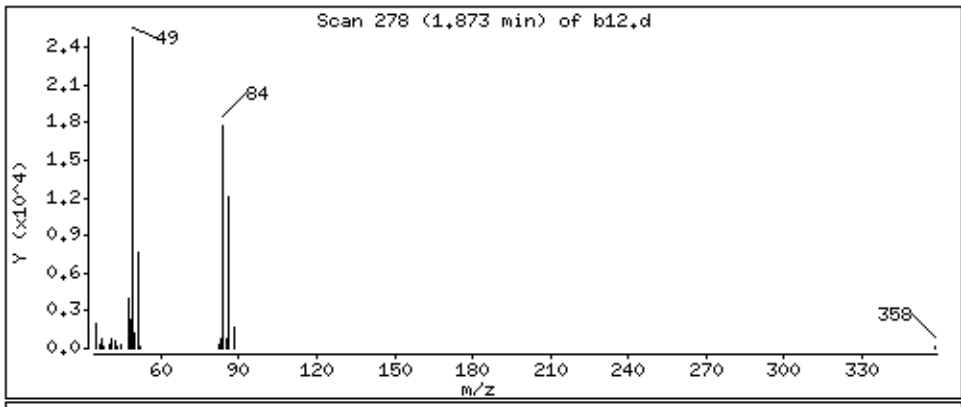
Column phase: DB-624

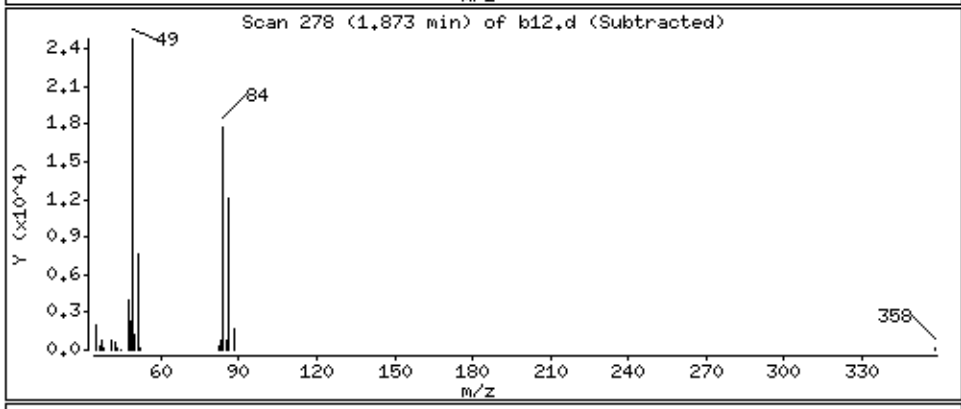
Column diameter: 0.18

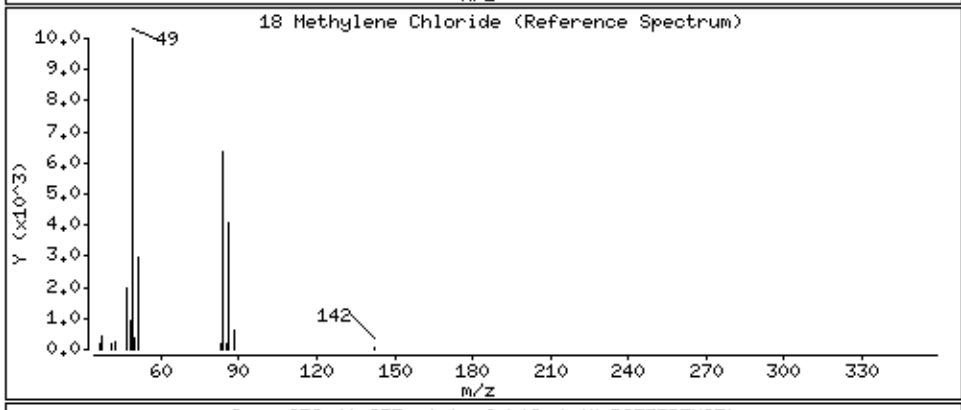
18 Methylene Chloride

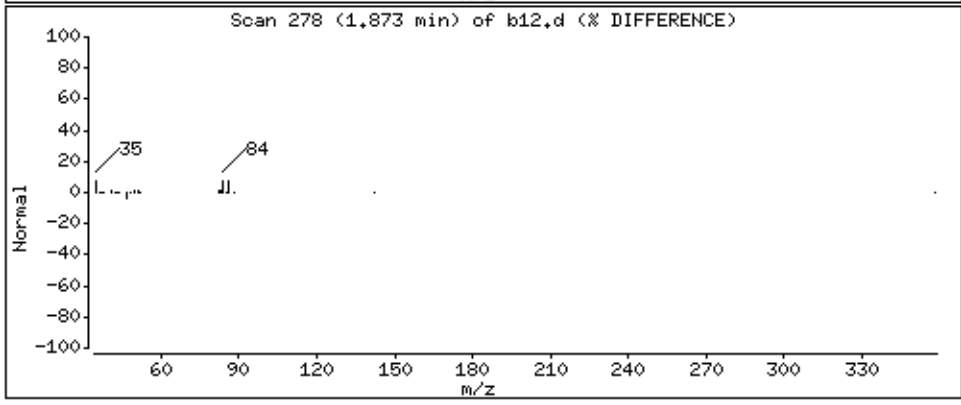
Concentration: 112 ppb

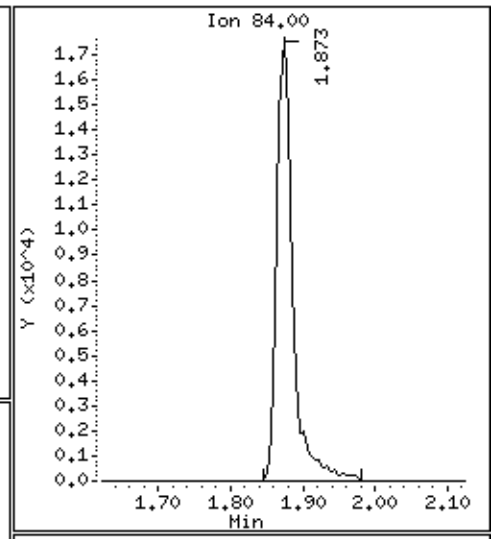
Review Code:

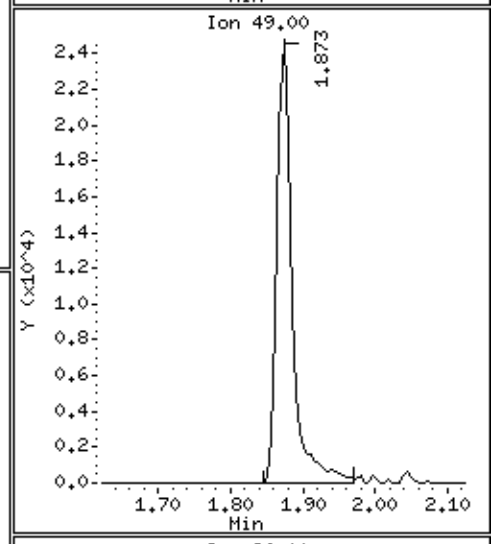


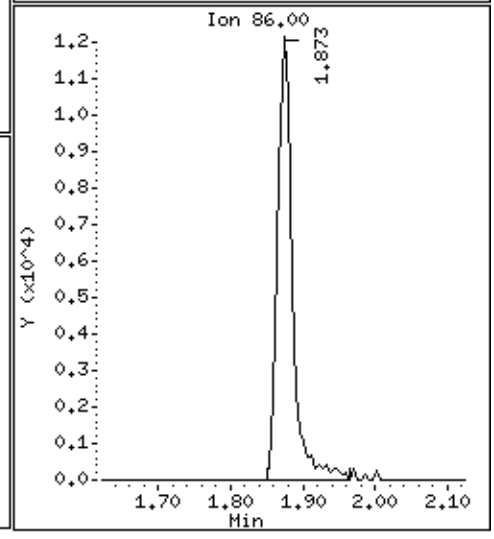












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d

Date : 06-OCT-2016 18:37

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366009x10

Purge Volume: 5.0

Operator: jlz

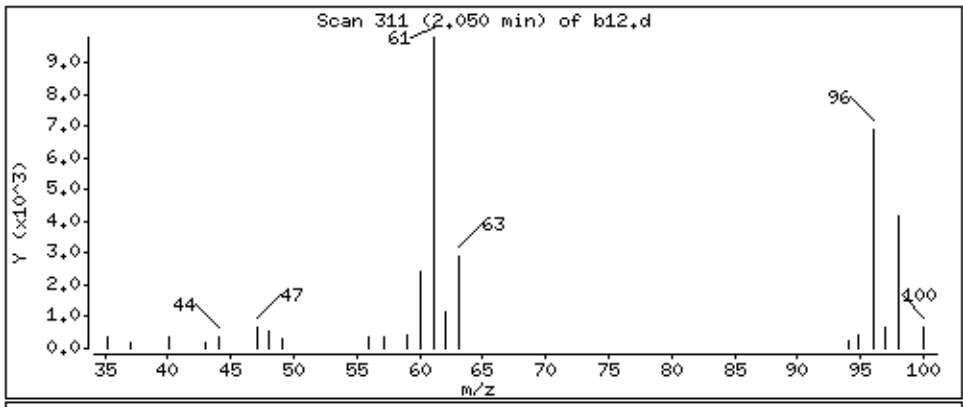
Column phase: DB-624

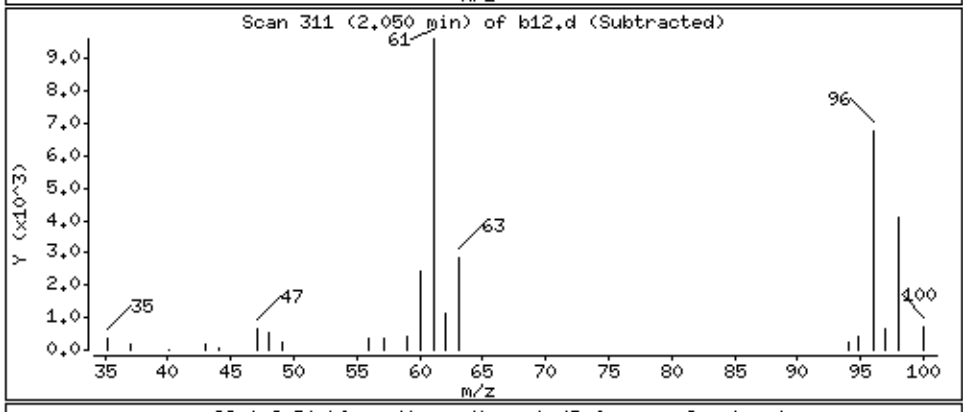
Column diameter: 0.18

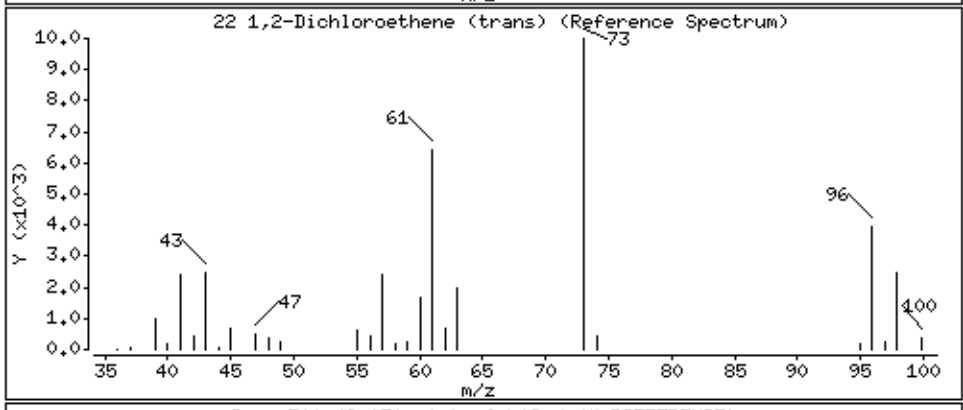
22 1,2-Dichloroethene (trans)

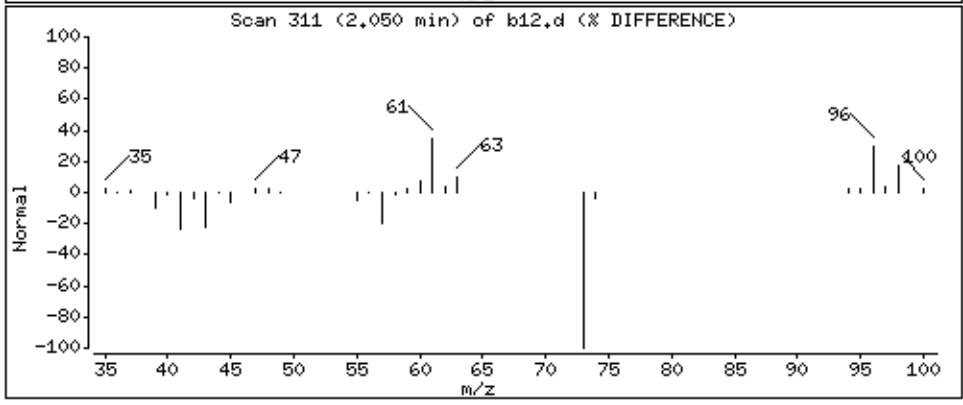
Concentration: 44.8 ppb

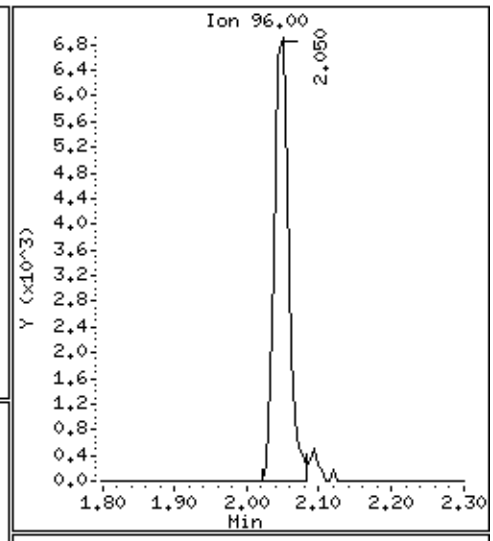
Review Code:

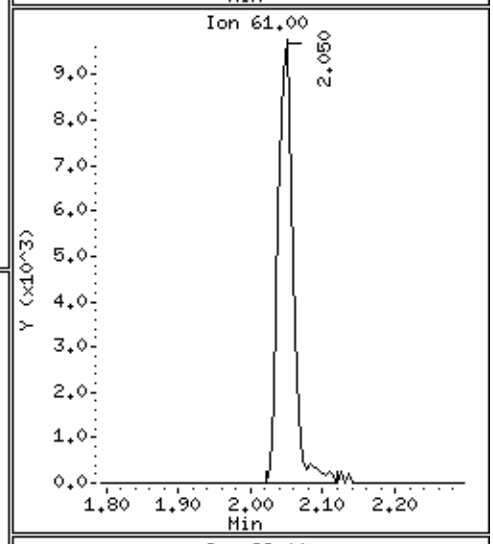


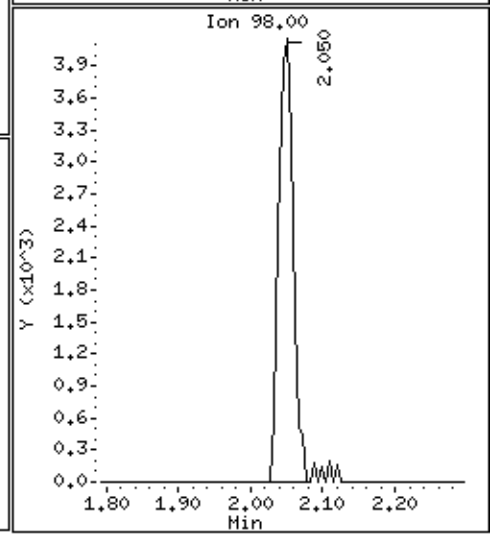












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d

Date : 06-OCT-2016 18:37

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366009x10

Purge Volume: 5.0

Operator: jlz

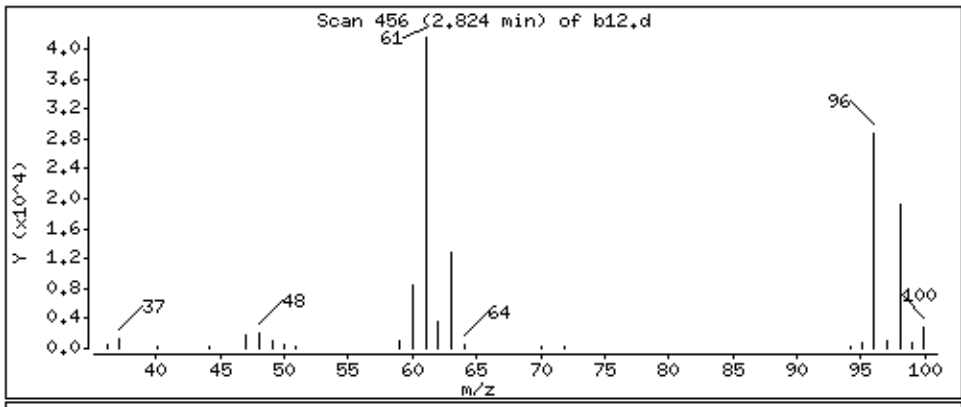
Column phase: DB-624

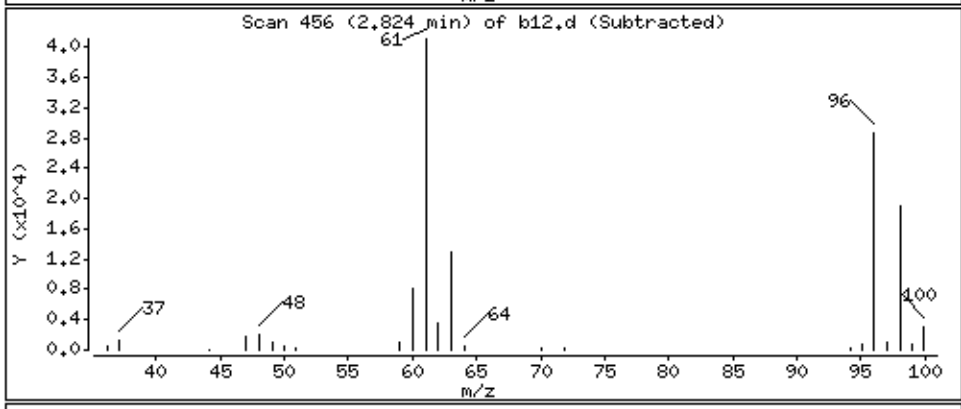
Column diameter: 0.18

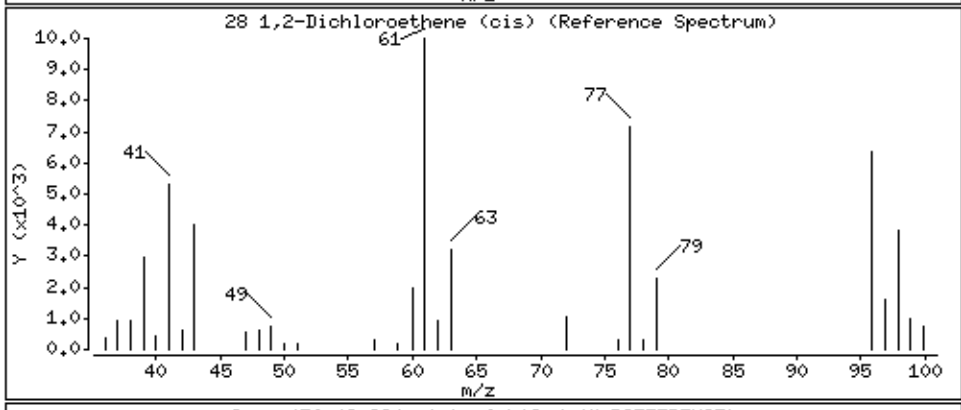
28 1,2-Dichloroethene (cis)

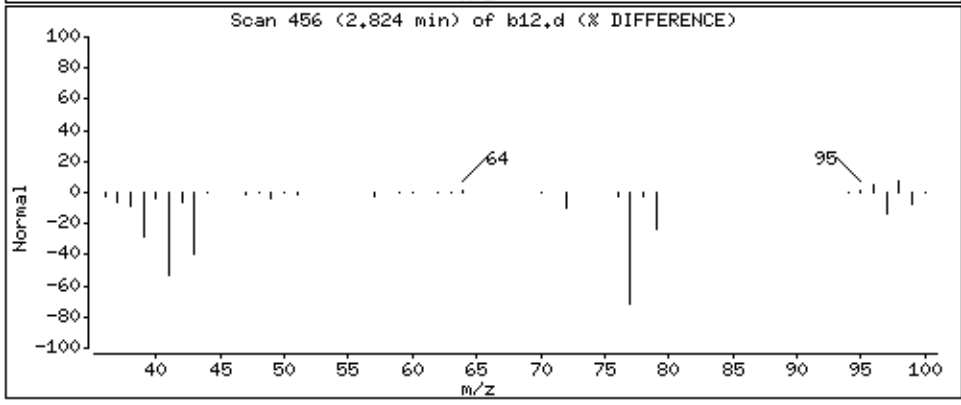
Concentration: 249 ppb

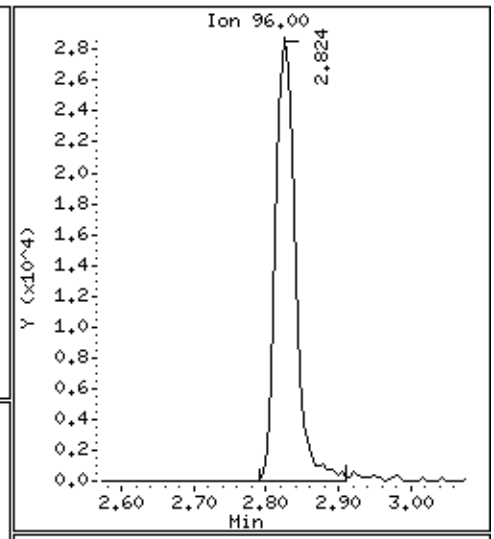
Review Code:

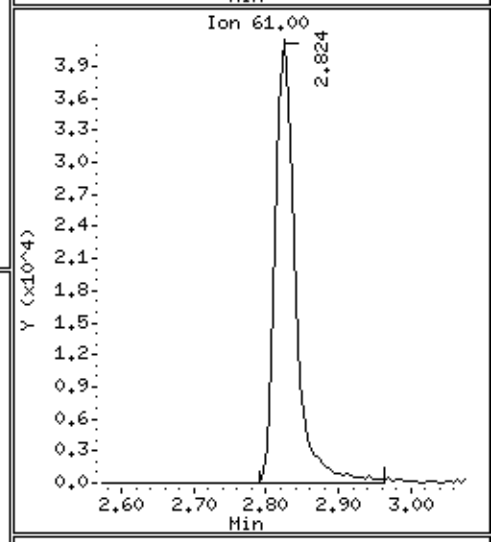


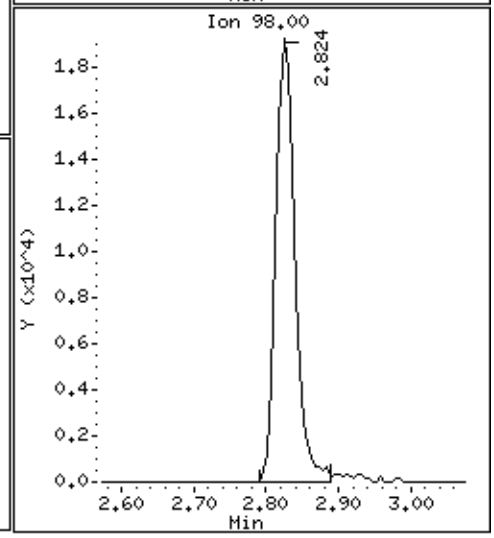












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d

Date : 06-OCT-2016 18:37

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366009x10

Purge Volume: 5.0

Operator: jlz

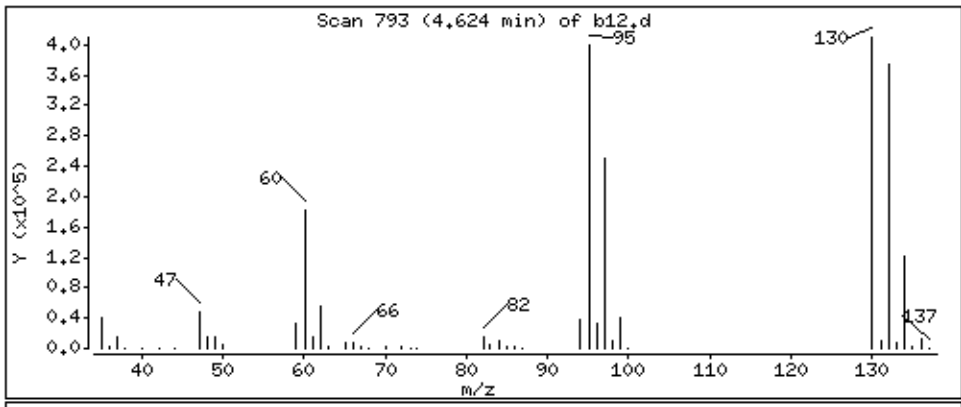
Column phase: DB-624

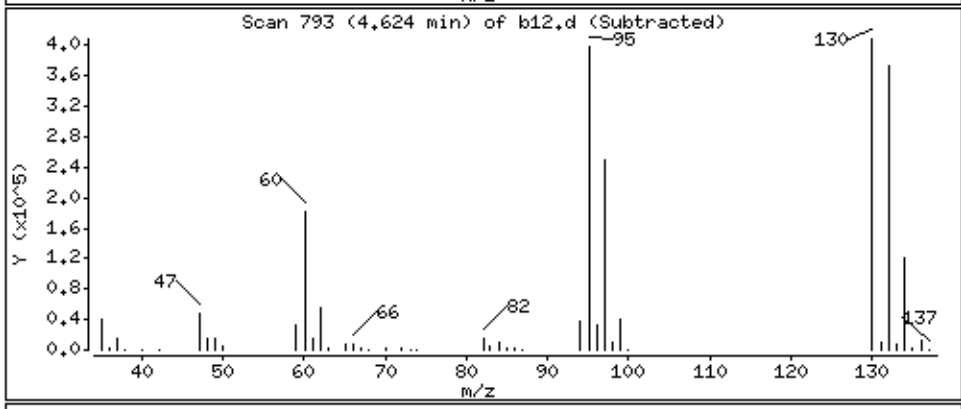
Column diameter: 0.18

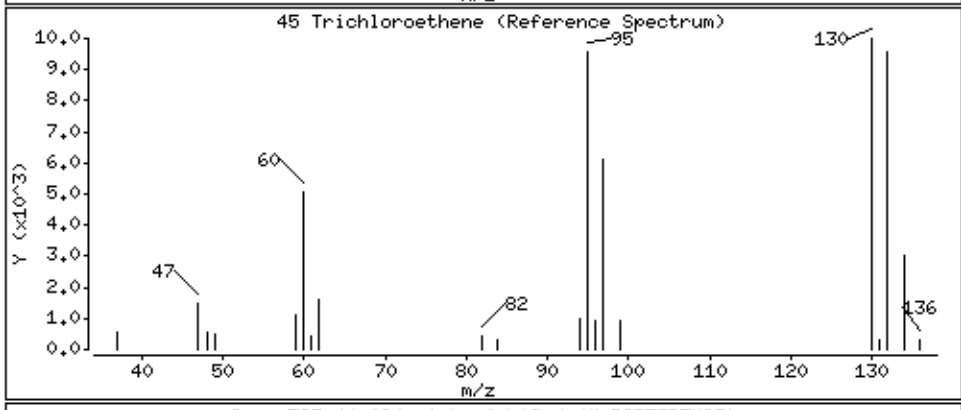
45 Trichloroethene

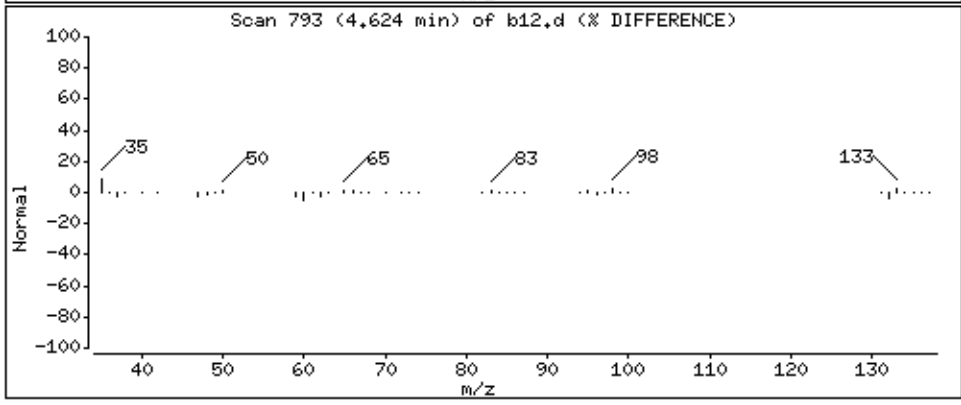
Concentration: 4000 ppb

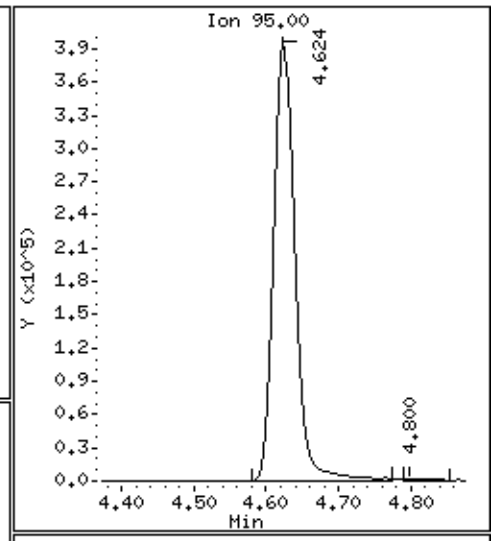
Review Code:

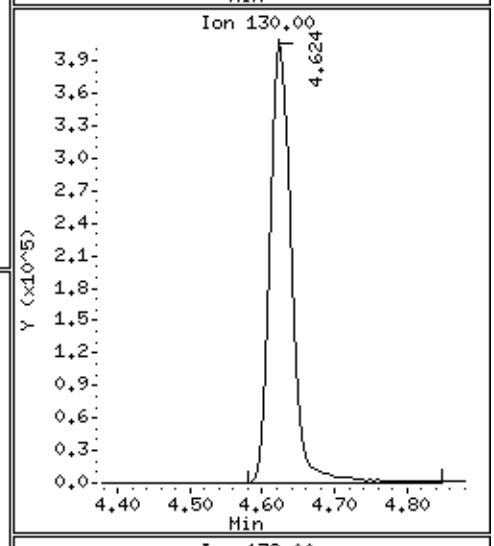


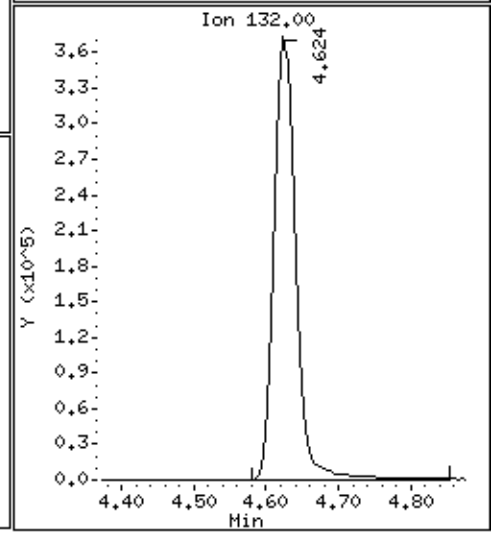












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b12.d

Date : 06-OCT-2016 18:37

Client ID: MW-0612-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366009x10

Purge Volume: 5.0

Operator: jlz

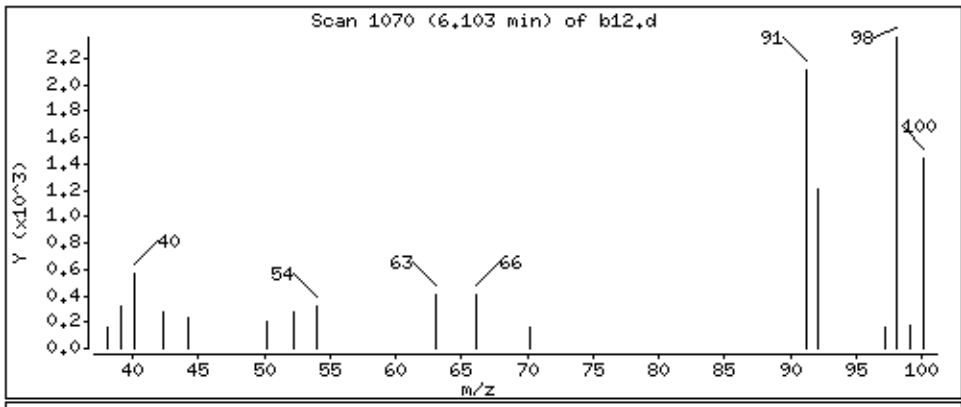
Column phase: DB-624

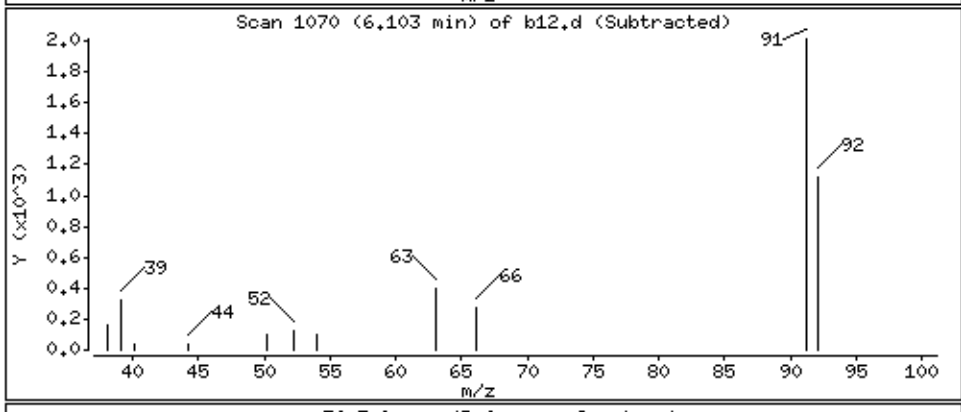
Column diameter: 0.18

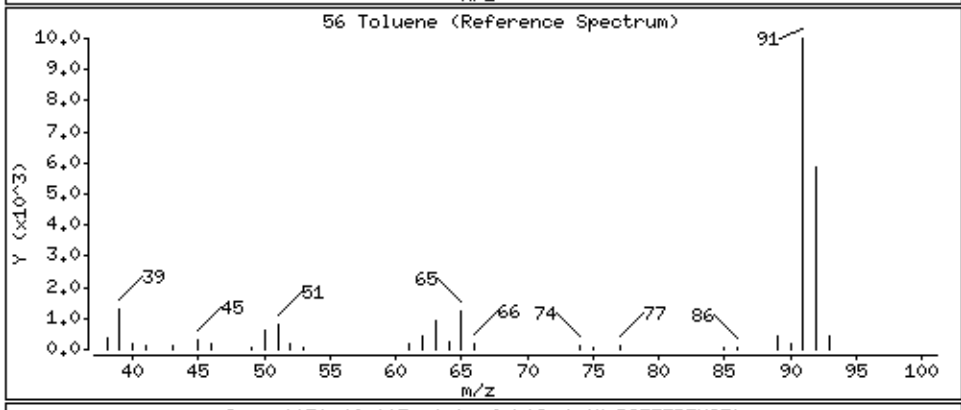
56 Toluene

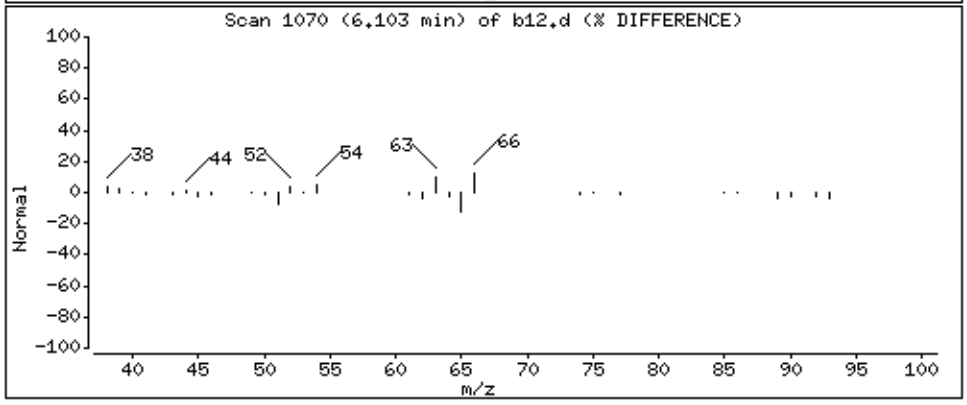
Concentration: 4.26 ppb

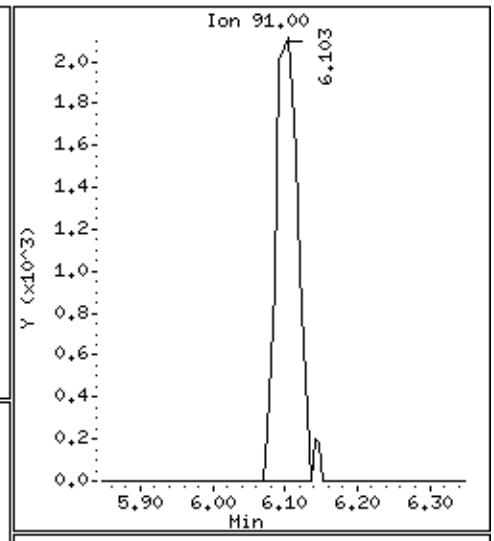
Review Code:

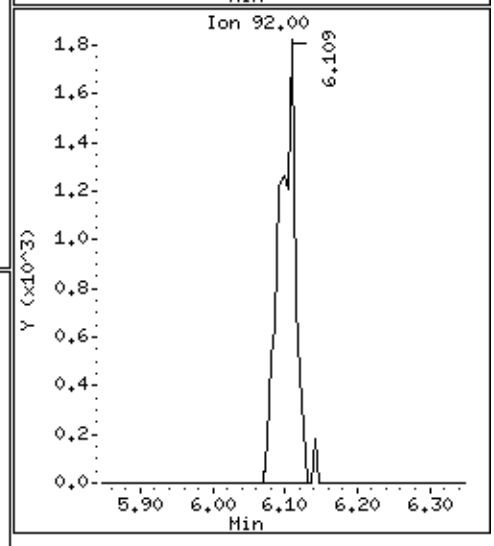












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b12.d
Injection Date: 06-OCT-2016 18:37
Instrument: 50mv3b.i
Lab Sample ID: 50155366009
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0606-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 19:09 Lab Sample ID: 50155366010

Date Analyzed: 10/06/2016 19:09 Lab File ID: B100616.B\B13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	633	
156-60-5	trans-1,2-Dichloroethene	58.0	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	113	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0606-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 19:09 Lab Sample ID: 50155366010

Date Analyzed: 10/06/2016 19:09 Lab File ID: B100616.B\B13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	1130	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b13.d
Lab Smp Id: 50155366010 Client Smp ID: MW-0606-S1(092716)P
Inj Date : 06-OCT-2016 19:09
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366010x10
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 28
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.874	1.872	(0.449)	25936	11.3357	113	
	22 1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	11593	5.79978	58.0	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	133943	63.2744	633(Q)	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	84674	47.2852	47.3	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	388939	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	220292	112.757	1130	
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	388049	47.2572	47.2	
	56 Toluene	91	6.099	6.097	(0.831)	5123	0.50194	5.02	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	277960	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	134446	52.0147	52.0	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	136692	50.0000		

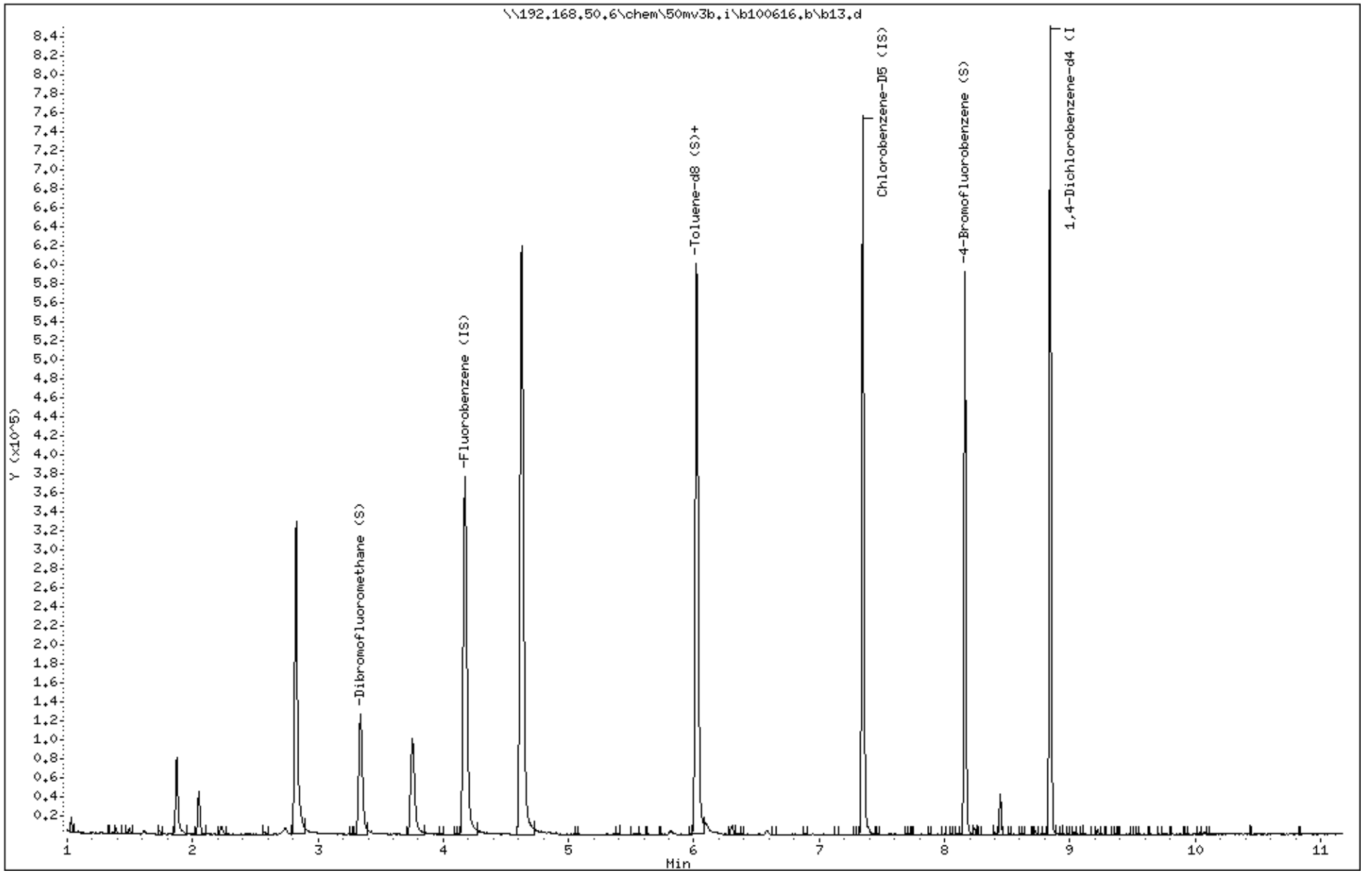
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b13.d
Date : 06-OCT-2016 19:09
Client ID: MW-0606-S1(092716)P
Instrument: 50mv3b.i
Sample Info: 50155366010x10
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b13.d

Date : 06-OCT-2016 19:09

Client ID: MW-0606-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366010x10

Purge Volume: 5.0

Operator: jlz

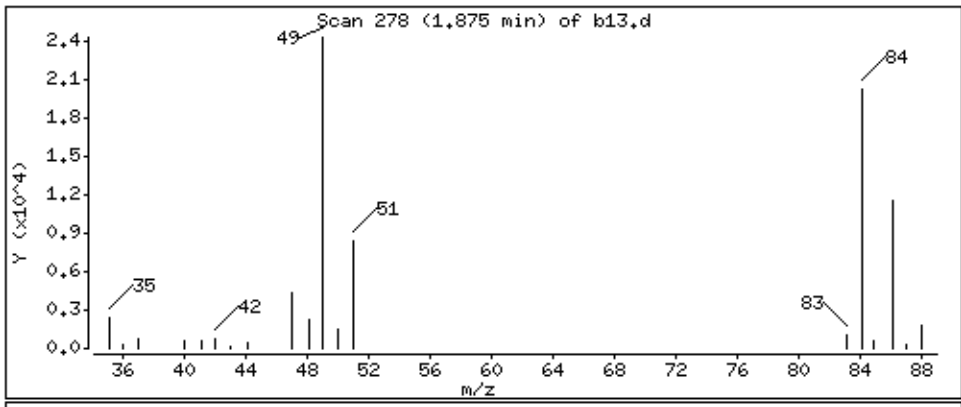
Column phase: DB-624

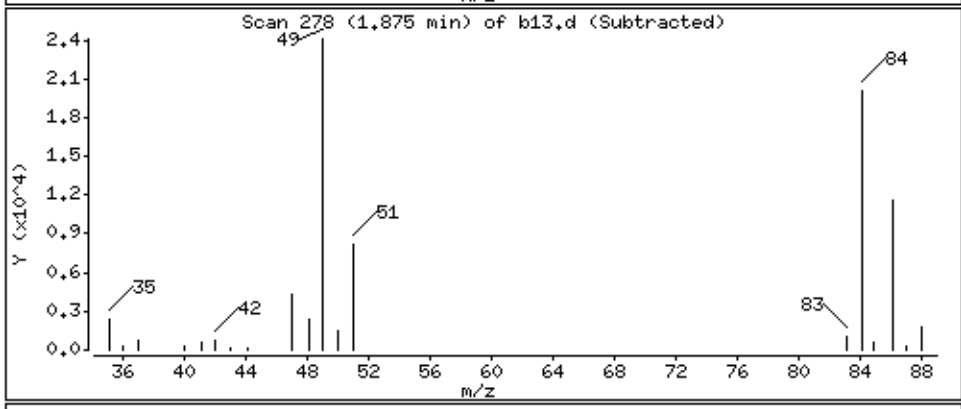
Column diameter: 0.18

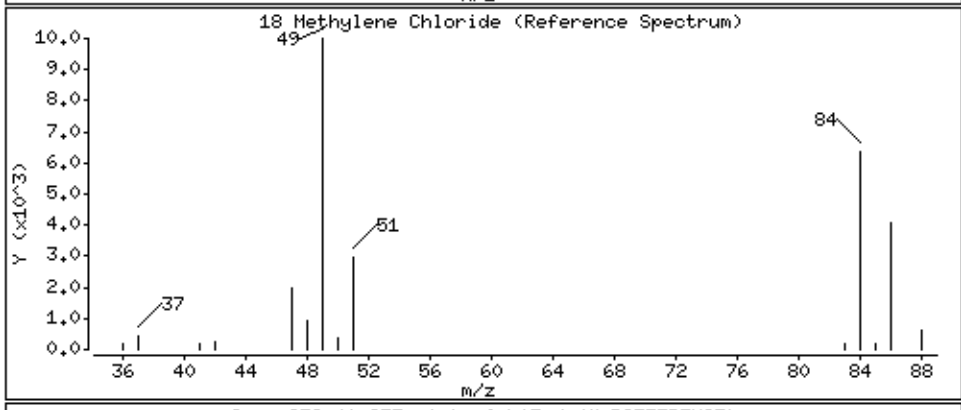
18 Methylene Chloride

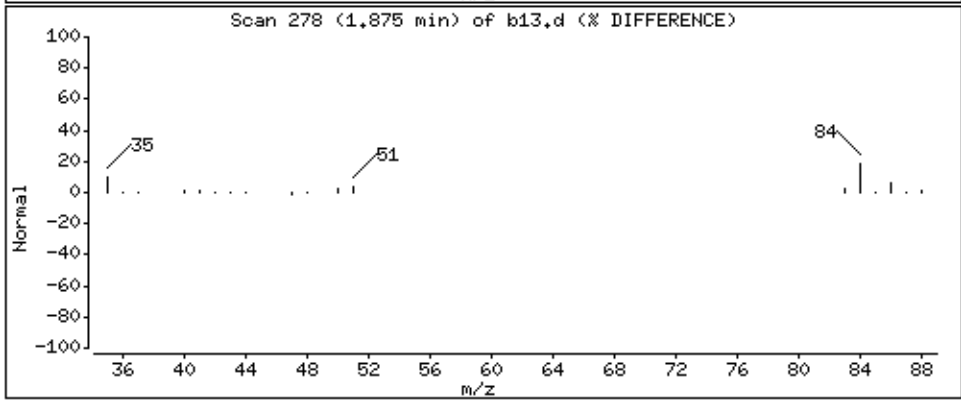
Concentration: 113 ppb

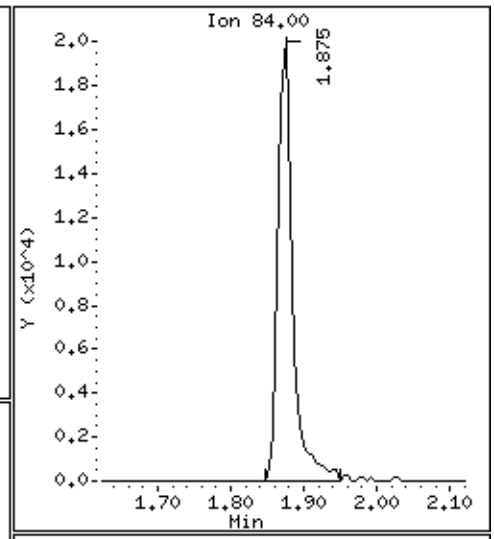
Review Code:

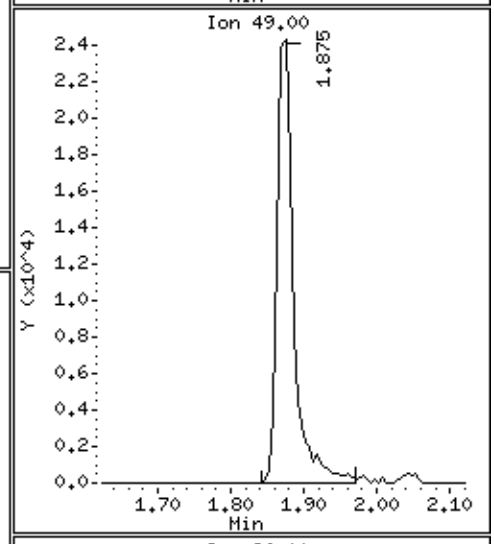


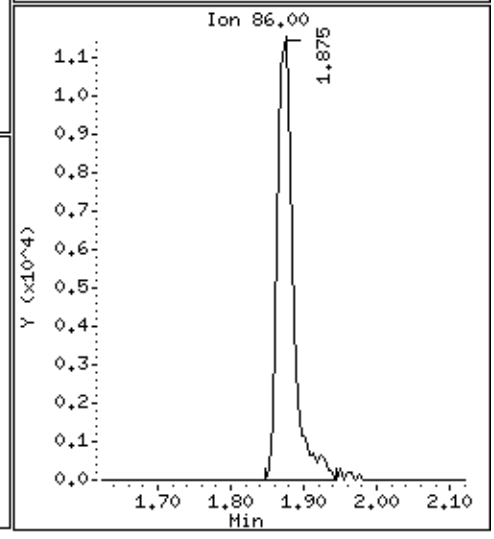












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b13.d

Date : 06-OCT-2016 19:09

Client ID: MW-0606-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366010x10

Purge Volume: 5.0

Operator: jlz

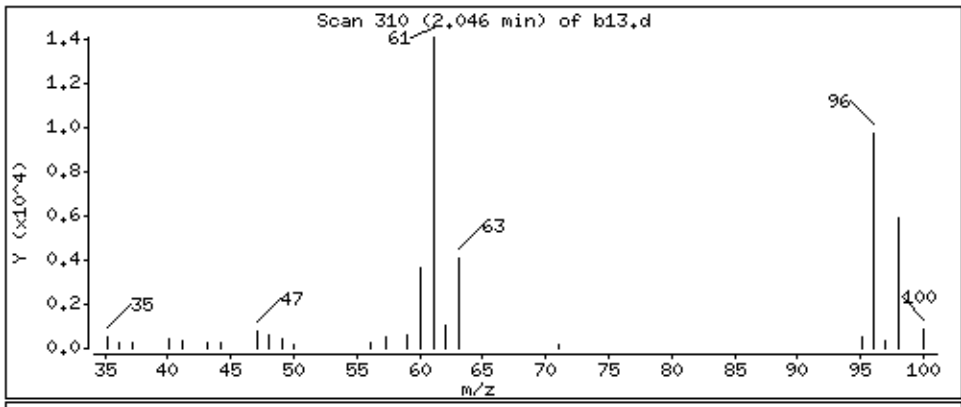
Column phase: DB-624

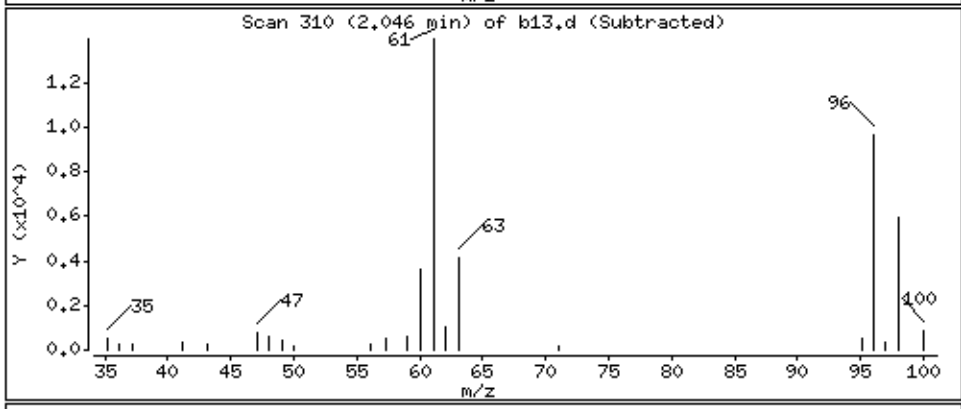
Column diameter: 0.18

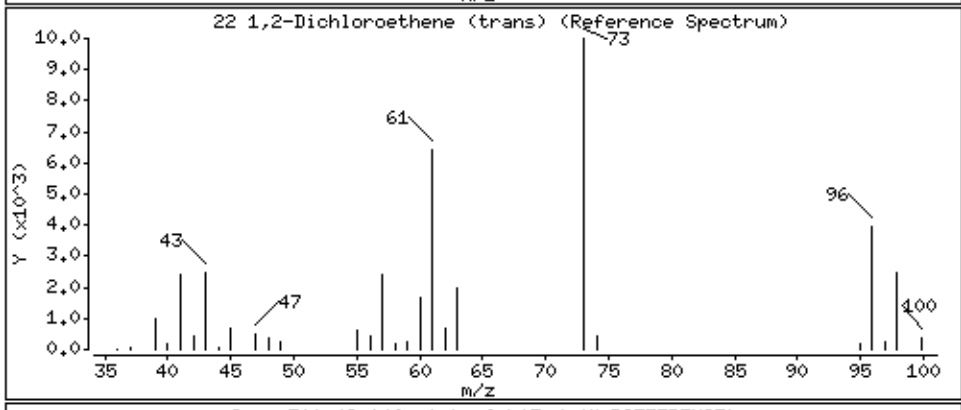
22 1,2-Dichloroethene (trans)

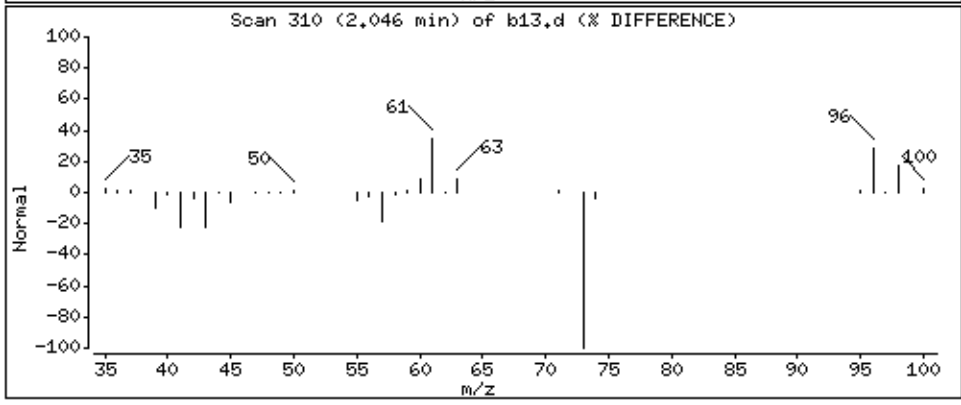
Concentration: 58.0 ppb

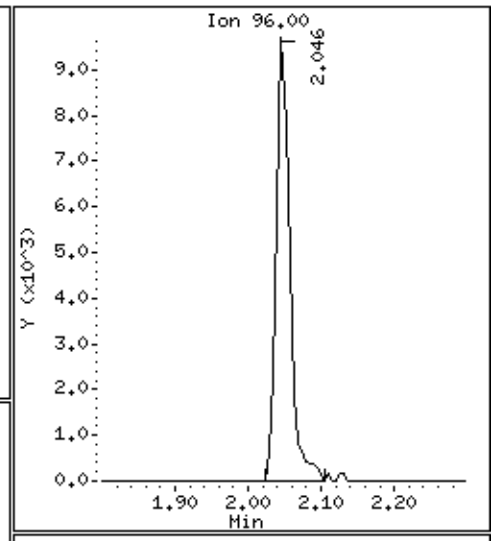
Review Code:

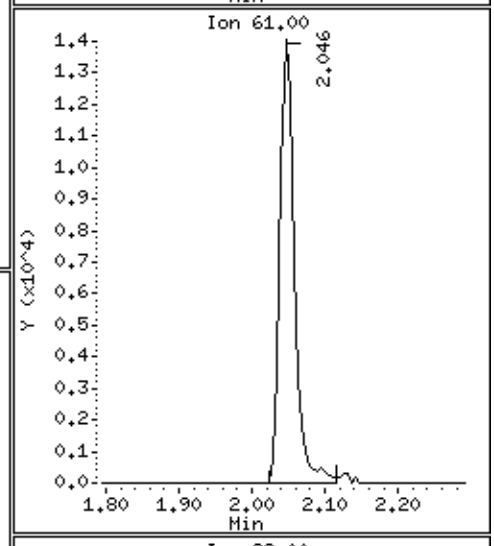


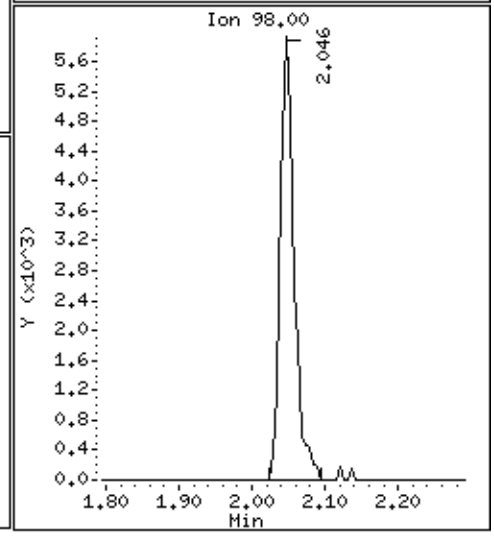












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b13.d

Date : 06-OCT-2016 19:09

Client ID: MW-0606-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366010x10

Purge Volume: 5.0

Operator: jlz

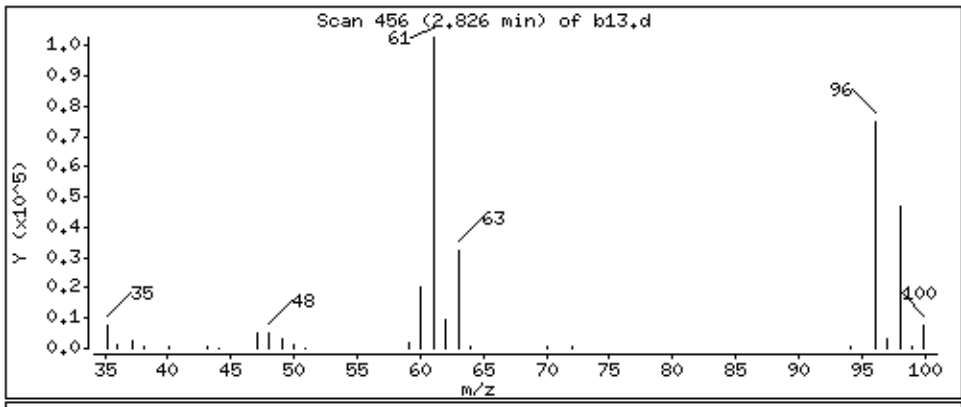
Column phase: DB-624

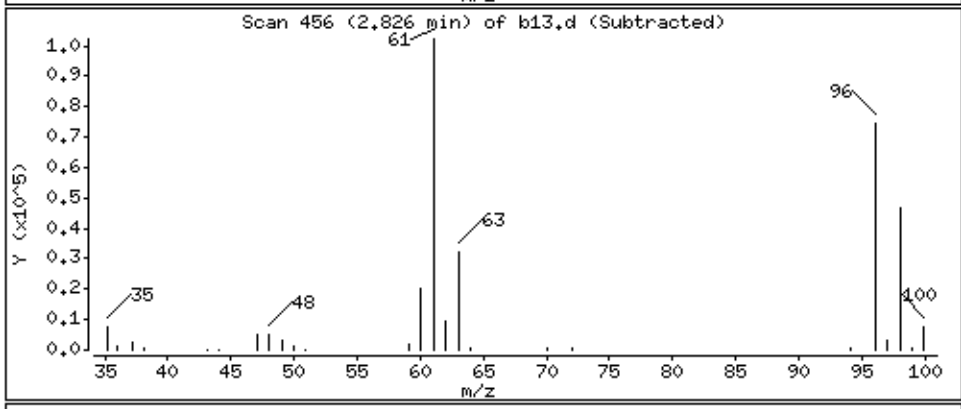
Column diameter: 0.18

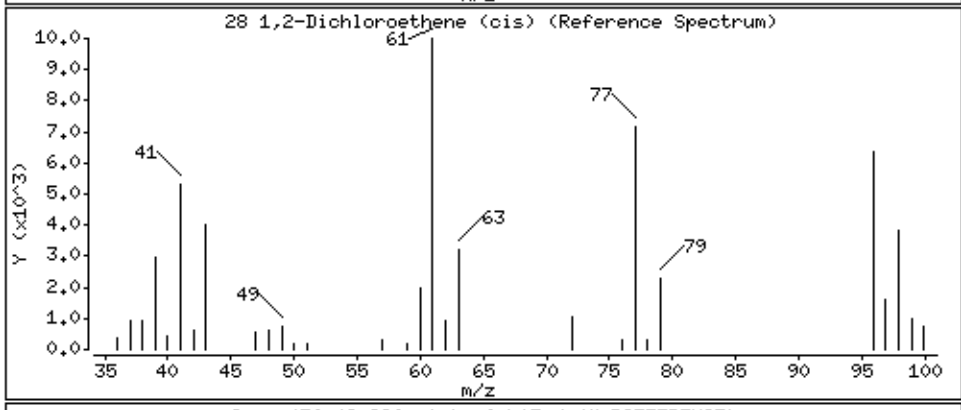
28 1,2-Dichloroethene (cis)

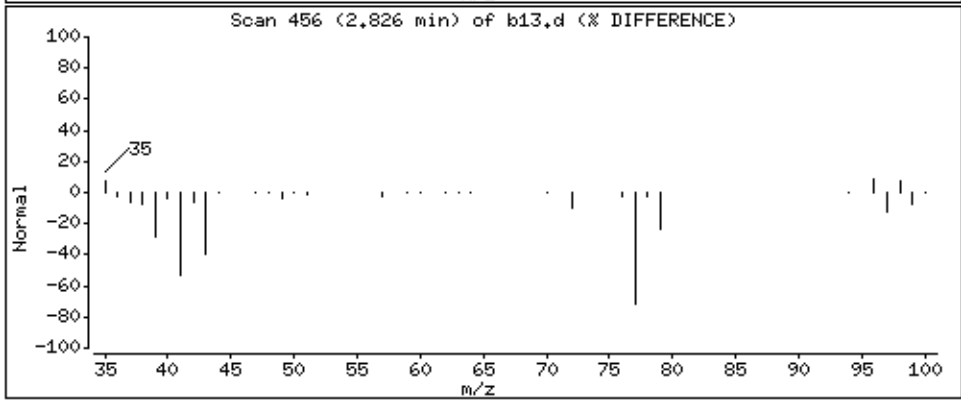
Concentration: 633 ppb

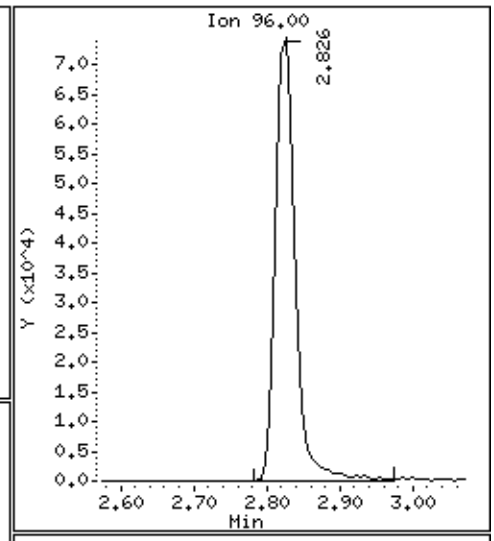
Review Code:

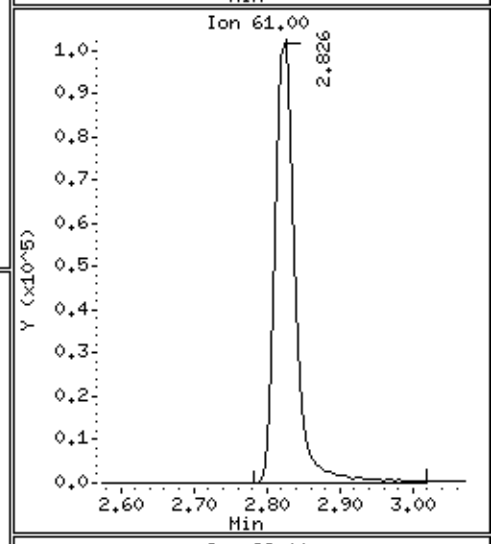


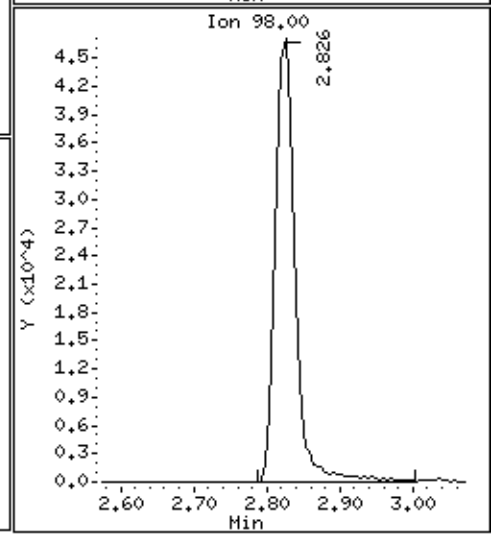












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b13.d

Date : 06-OCT-2016 19:09

Client ID: MW-0606-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366010x10

Purge Volume: 5.0

Operator: jlz

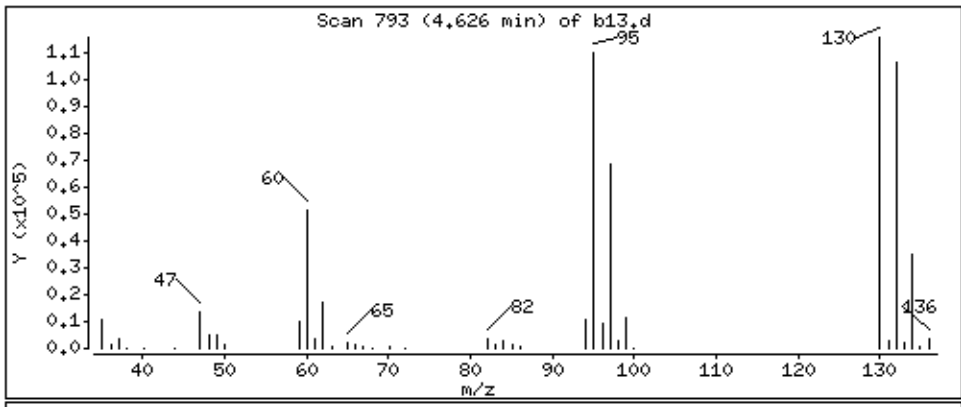
Column phase: DB-624

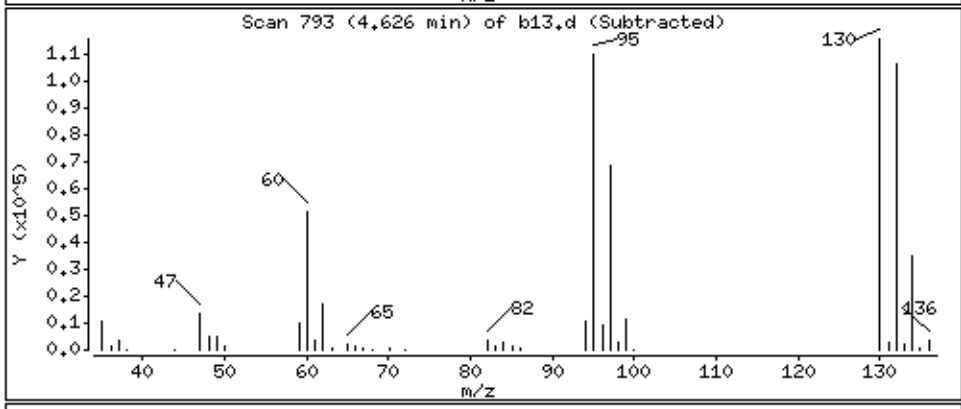
Column diameter: 0.18

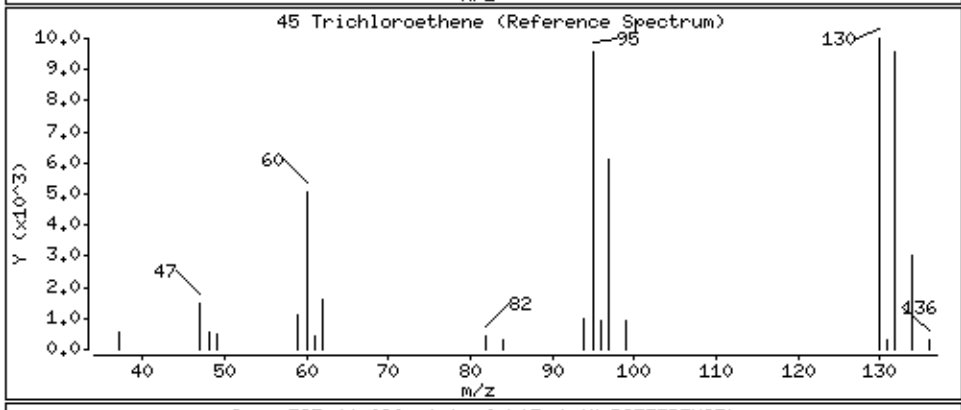
45 Trichloroethene

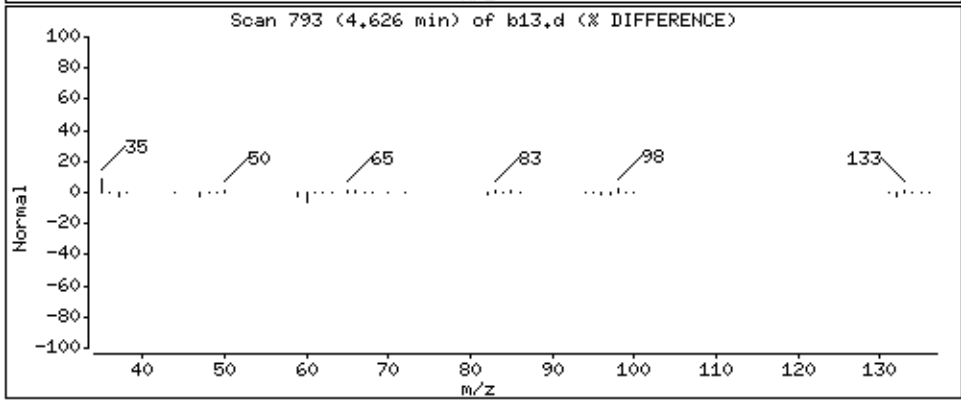
Concentration: 1130 ppb

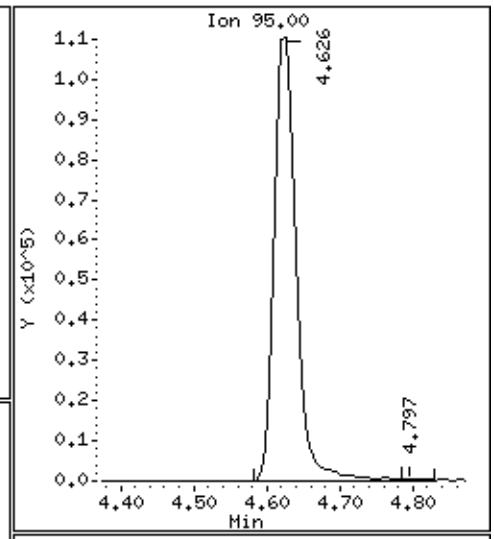
Review Code:

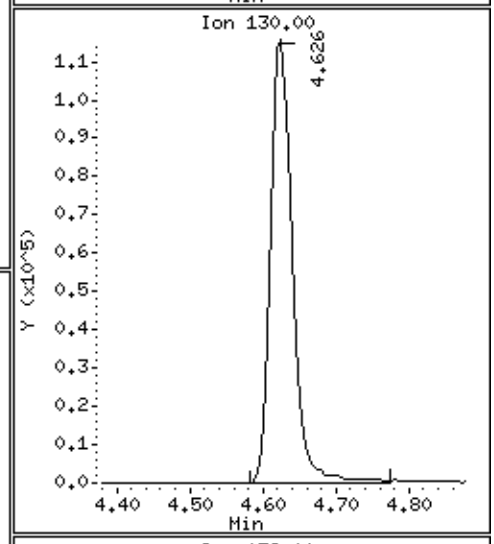


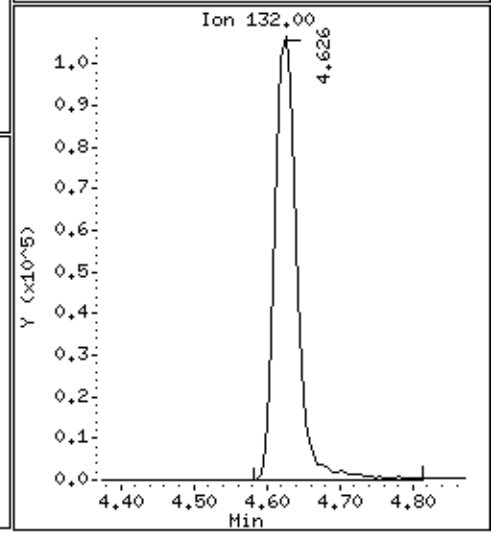












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b13.d

Date : 06-OCT-2016 19:09

Client ID: MW-0606-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366010x10

Purge Volume: 5.0

Operator: jlz

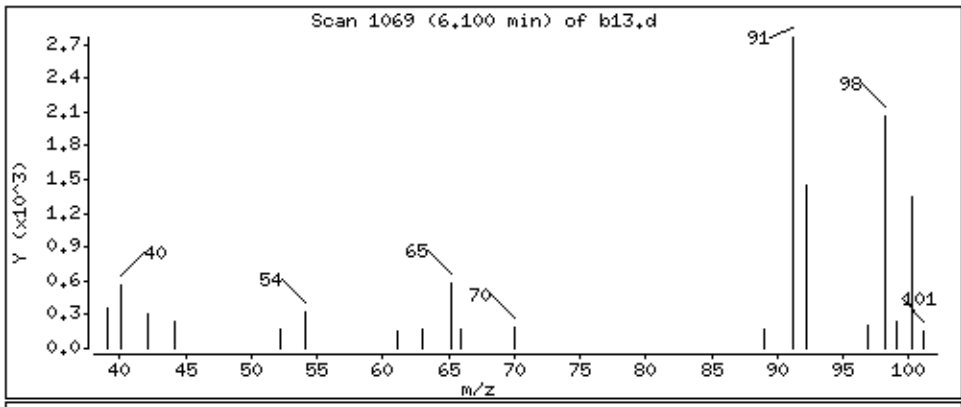
Column phase: DB-624

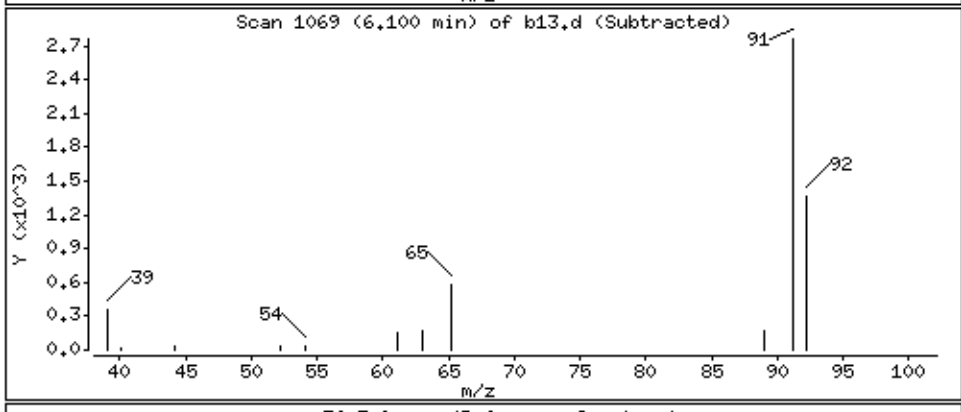
Column diameter: 0.18

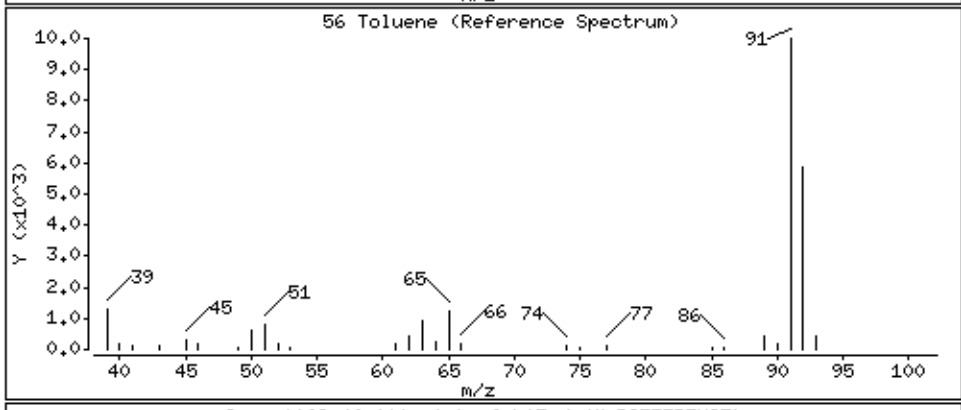
56 Toluene

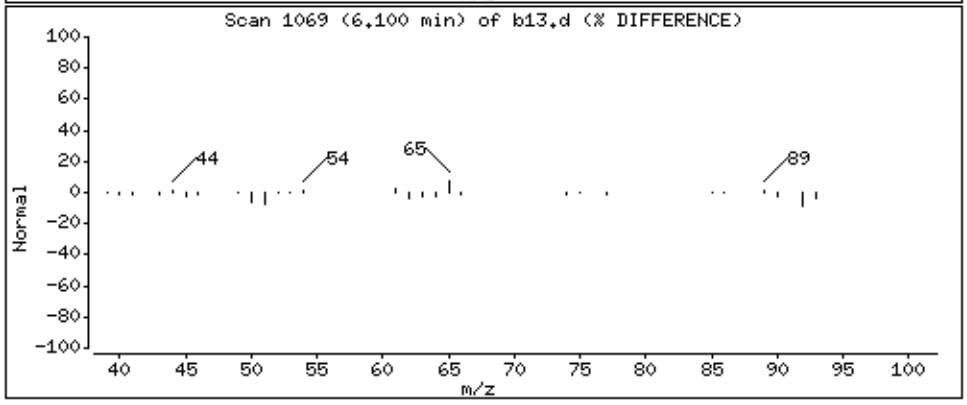
Concentration: 5.02 ppb

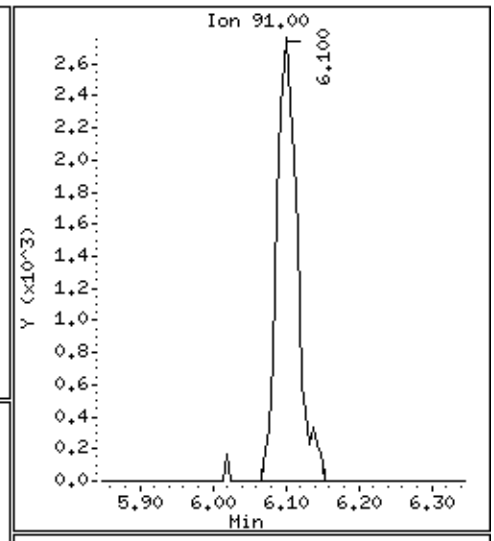
Review Code:

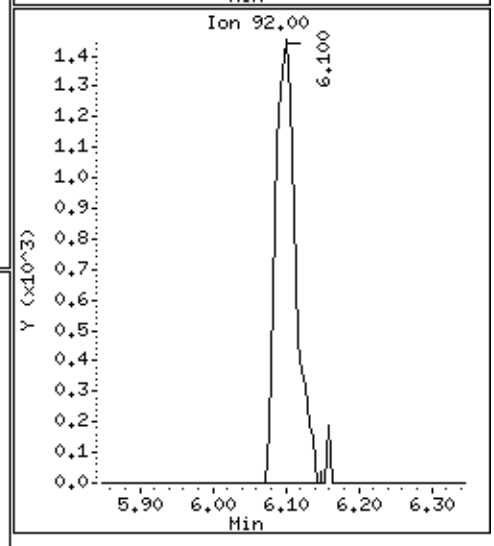












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b13.d
Injection Date: 06-OCT-2016 19:09
Instrument: 50mv3b.i
Lab Sample ID: 50155366010
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0704-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana | Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 | Matrix: Water | SDG No.: 50155366

Date Extracted: 10/06/2016 19:41 | Lab Sample ID: 50155366011

Date Analyzed: 10/06/2016 19:41 | Lab File ID: B100616.B\B14.D

Initial wt/vol: 5 mL | Final wt/vol: 5 mL | Dilution: 10 | Instrument: 50MV3B | Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	668	
156-60-5	trans-1,2-Dichloroethene	88.9	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	107	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0704-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 19:41 Lab Sample ID: 50155366011

Date Analyzed: 10/06/2016 19:41 Lab File ID: B100616.B\B14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	2480	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b14.d
Lab Smp Id: 50155366011 Client Smp ID: MW-0704-S1(092716)P
Inj Date : 06-OCT-2016 19:41
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366011x10
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 30
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.873	1.872	(0.449)	24728	10.6738	107	
	22 1,2-Dichloroethene (trans)	96	2.049	2.048	(0.491)	17784	8.88719	88.9	
	28 1,2-Dichloroethene (cis)	96	2.824	2.823	(0.676)	141520	66.7798	668(Q)	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	86928	48.4902	48.5	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	389370	50.0000		
	45 Trichloroethene	95	4.624	4.623	(1.107)	484758	247.850	2480	
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	394430	46.6948	46.7	
	56 Toluene	91	6.098	6.097	(0.830)	4910	0.46765	4.68	
*	65 Chlorobenzene-D5 (IS)	117	7.348	7.347	(1.000)	285933	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.111)	135857	51.0950	51.1	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	137461	50.0000		

QC Flag Legend

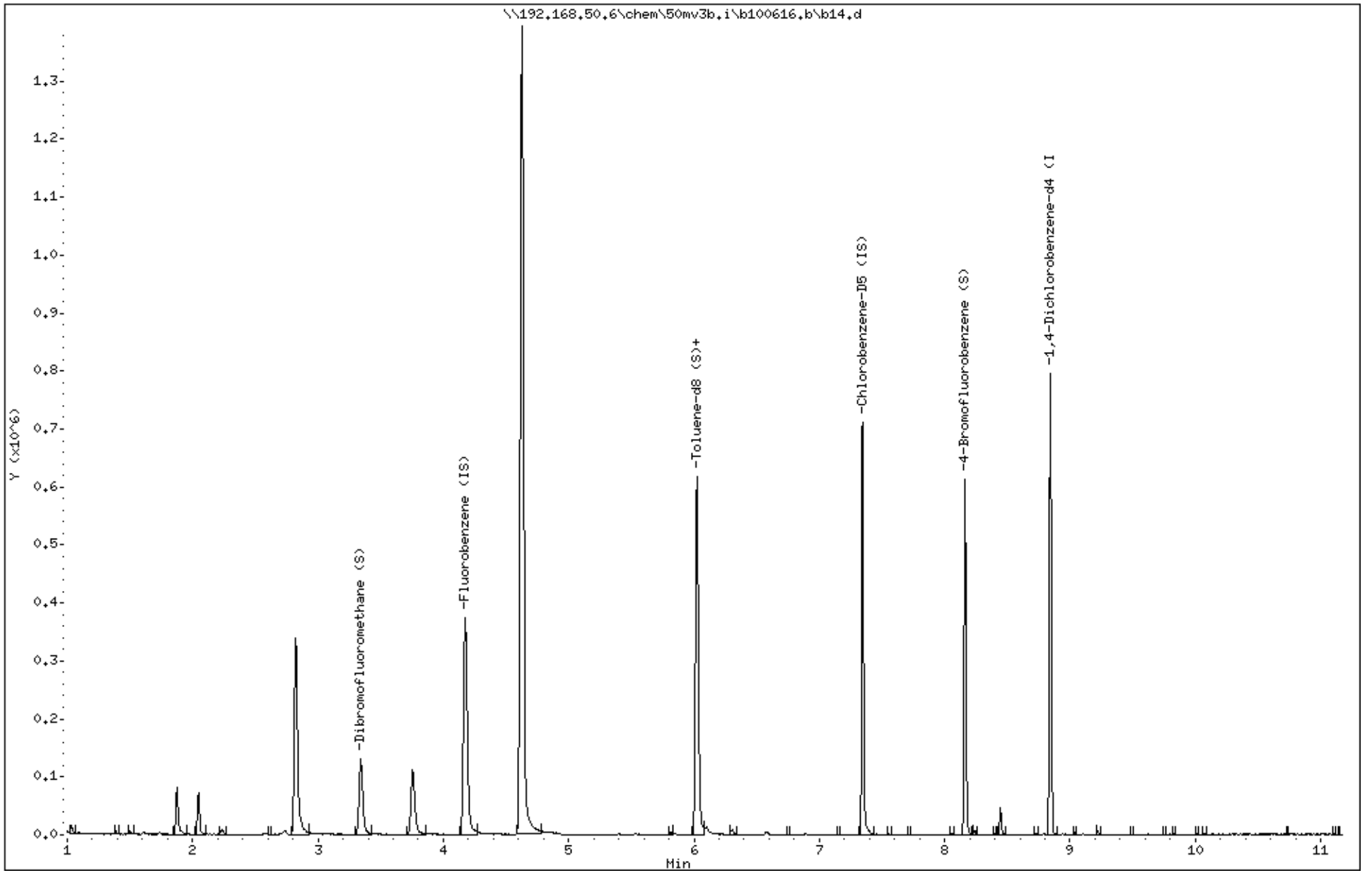
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b14.d
Date : 06-OCT-2016 19:41
Client ID: MW-0704-S1(092716)P
Sample Info: 50155366011x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b14.d

Date : 06-OCT-2016 19:41

Client ID: MW-0704-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366011x10

Purge Volume: 5.0

Operator: jlz

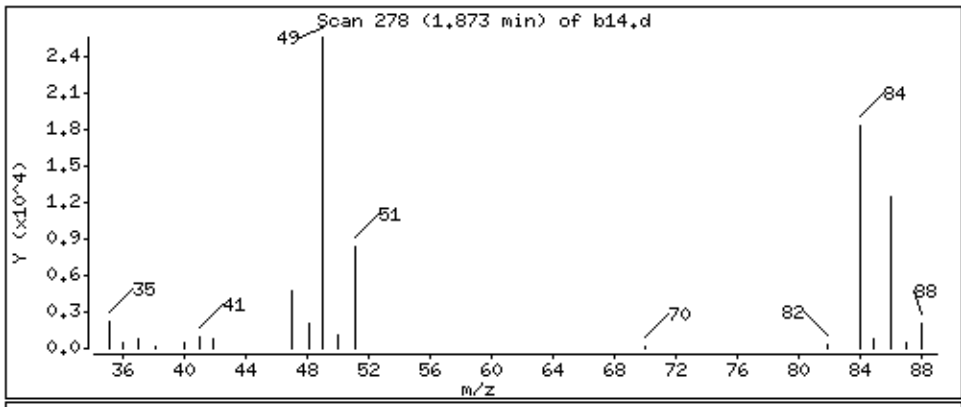
Column phase: DB-624

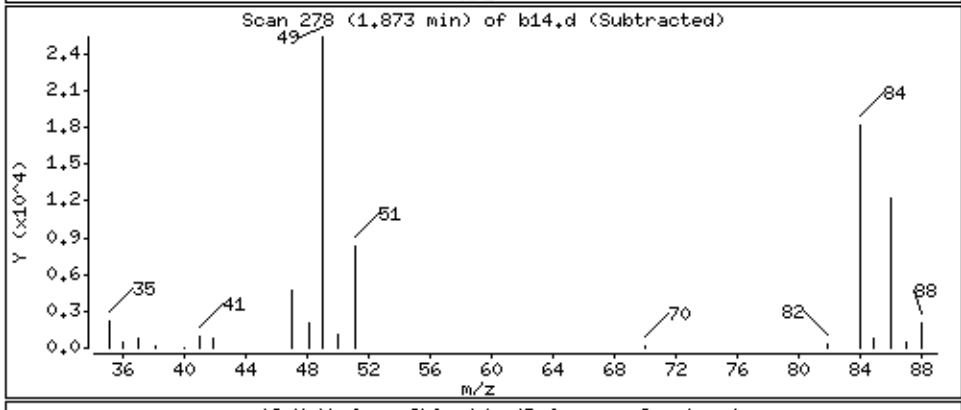
Column diameter: 0.18

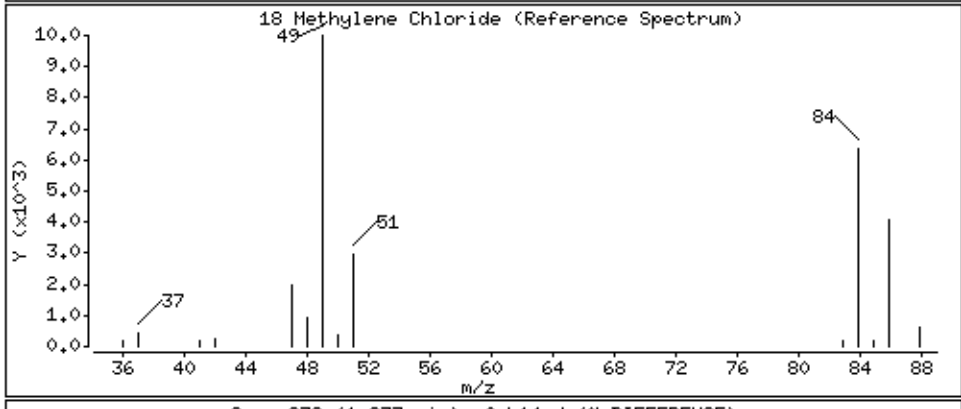
18 Methylene Chloride

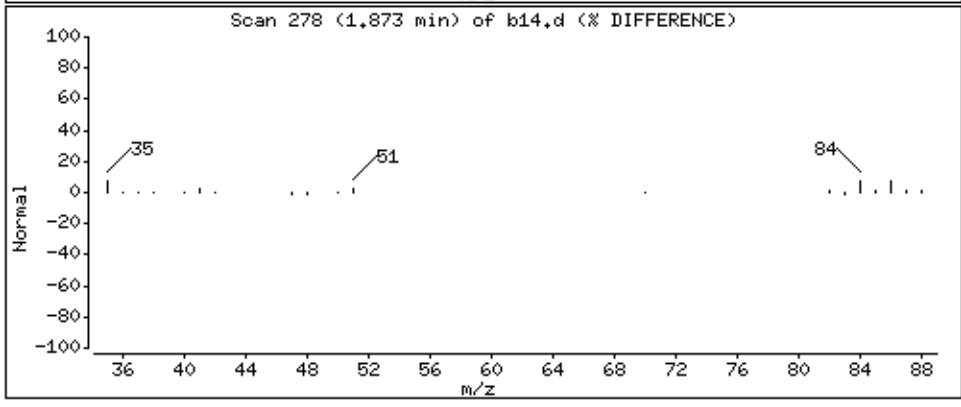
Concentration: 107 ppb

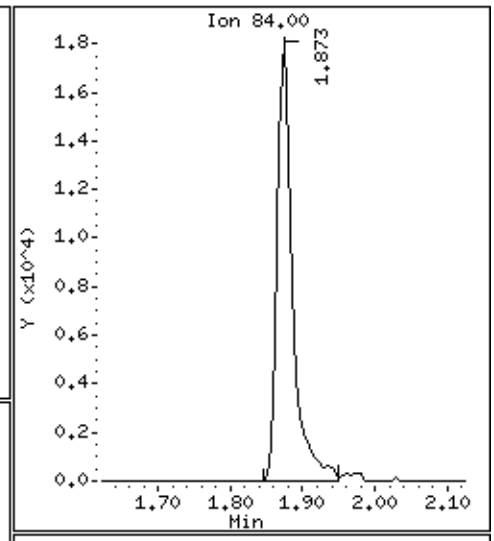
Review Code:

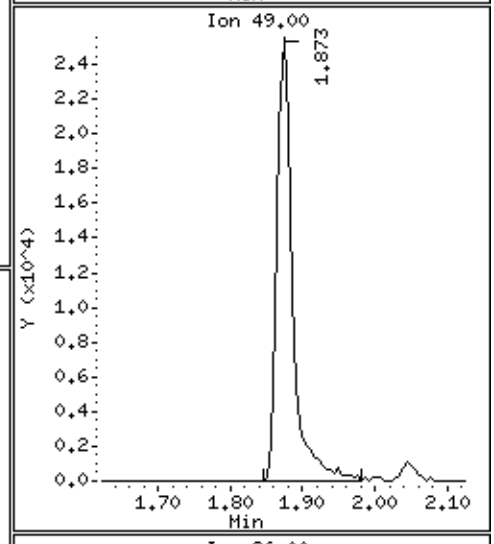


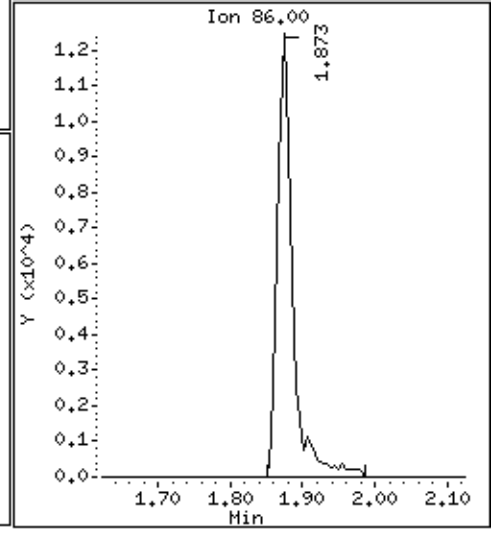












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b14.d

Date : 06-OCT-2016 19:41

Client ID: MW-0704-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366011x10

Purge Volume: 5.0

Operator: jlz

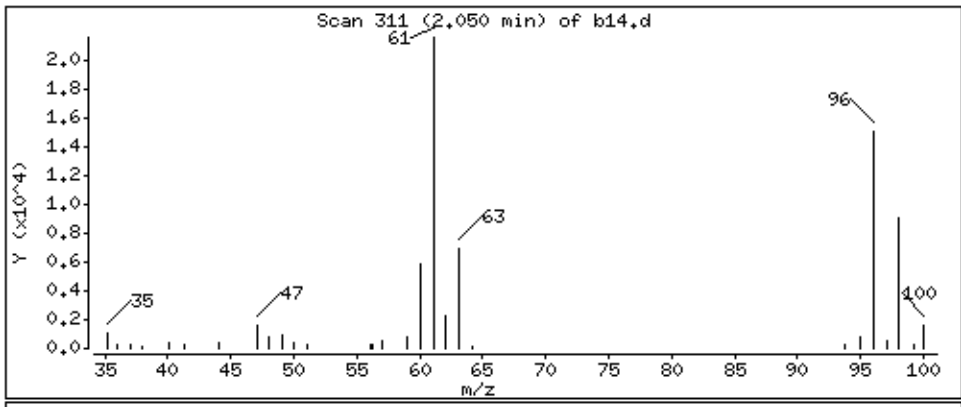
Column phase: DB-624

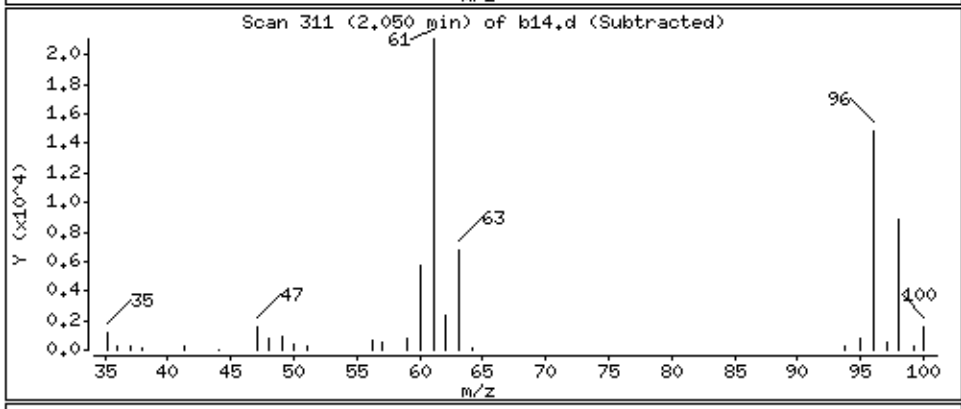
Column diameter: 0.18

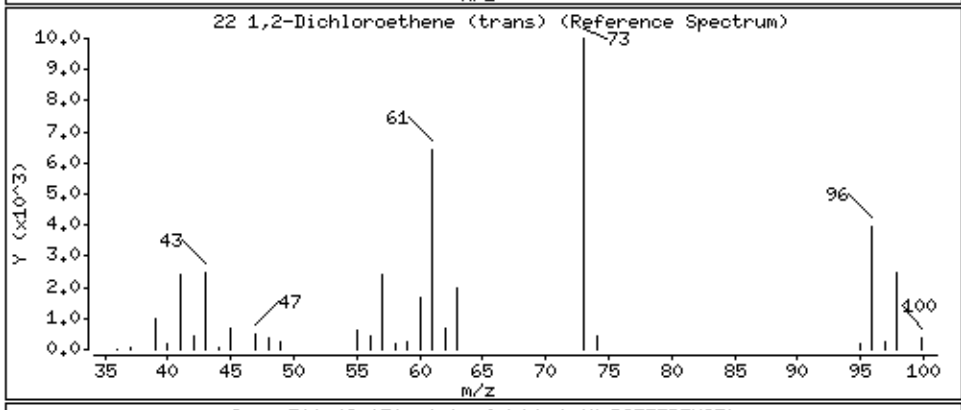
22 1,2-Dichloroethene (trans)

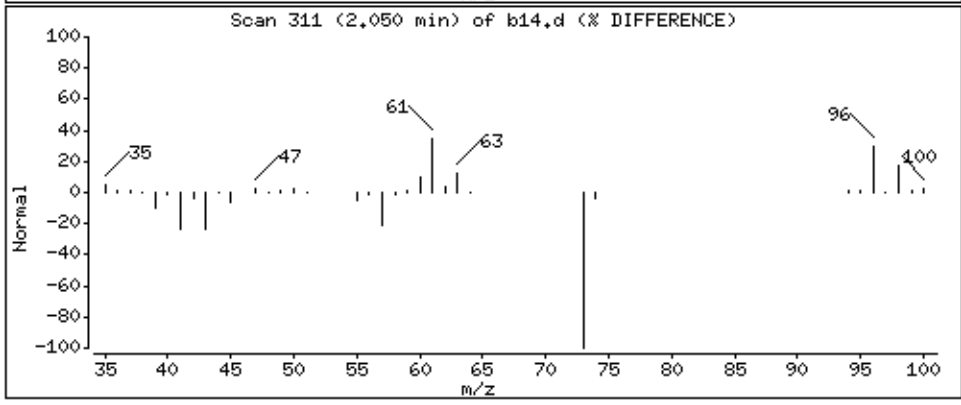
Concentration: 88.9 ppb

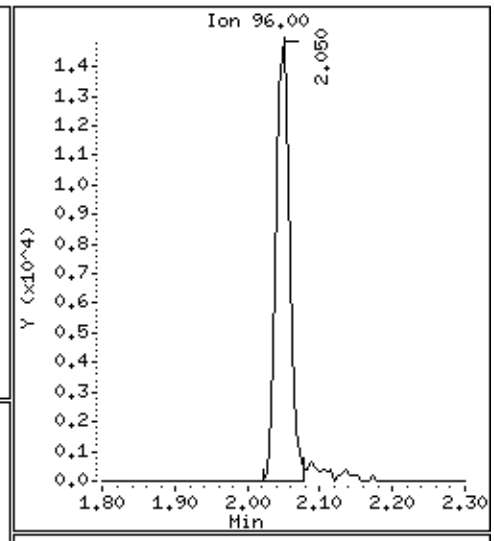
Review Code:

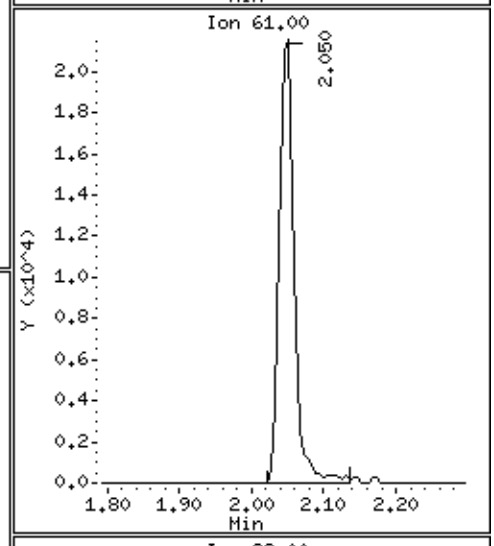


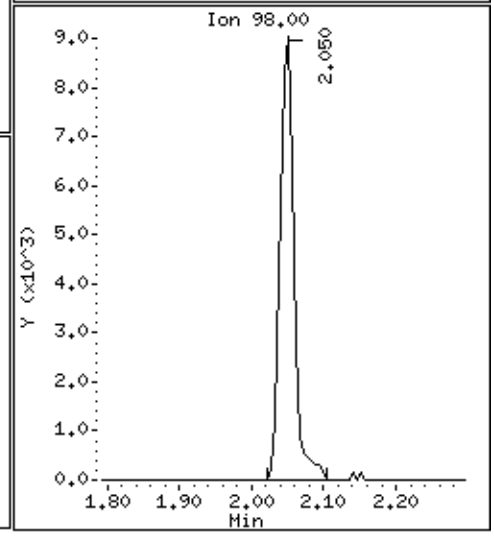












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b14.d

Date : 06-OCT-2016 19:41

Client ID: MW-0704-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366011x10

Purge Volume: 5.0

Operator: jlz

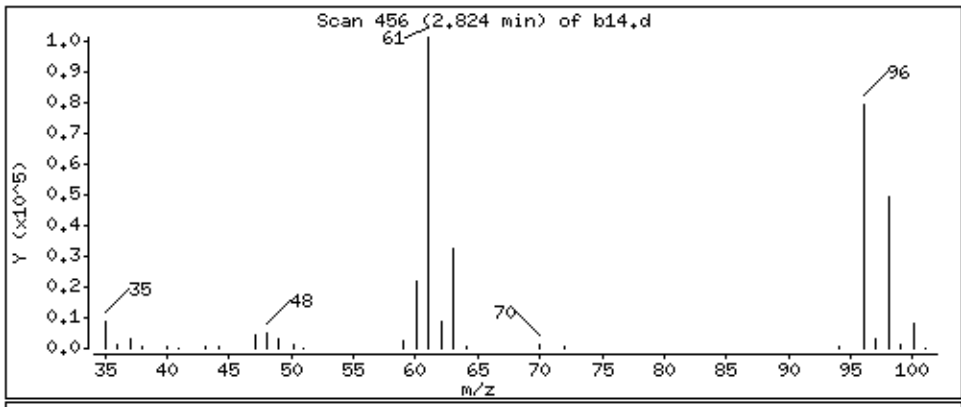
Column phase: DB-624

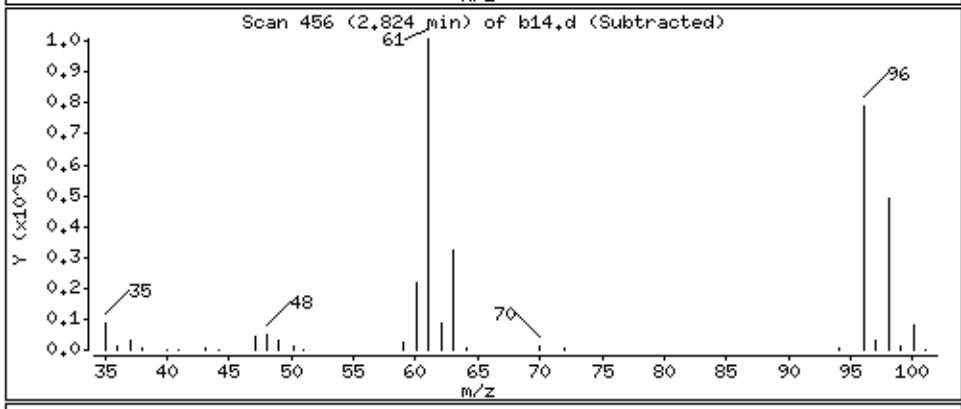
Column diameter: 0.18

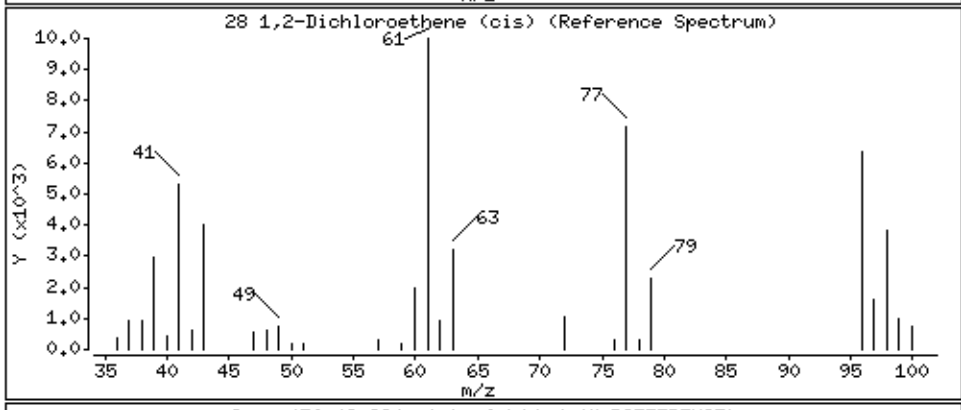
28 1,2-Dichloroethene (cis)

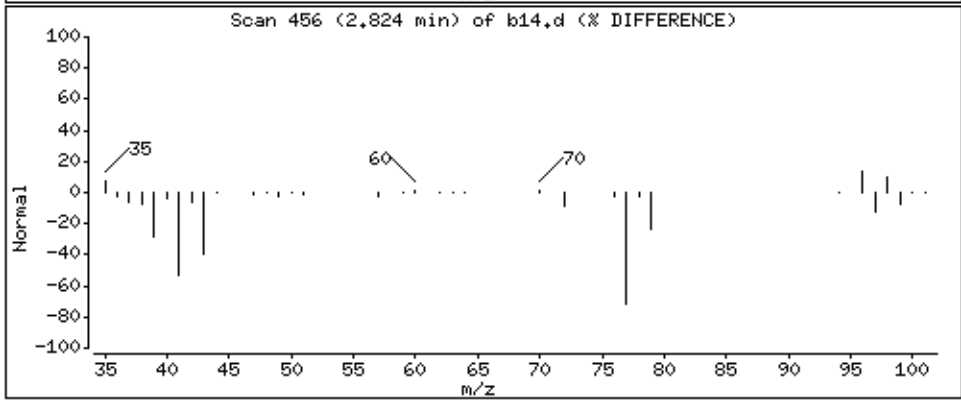
Concentration: 668 ppb

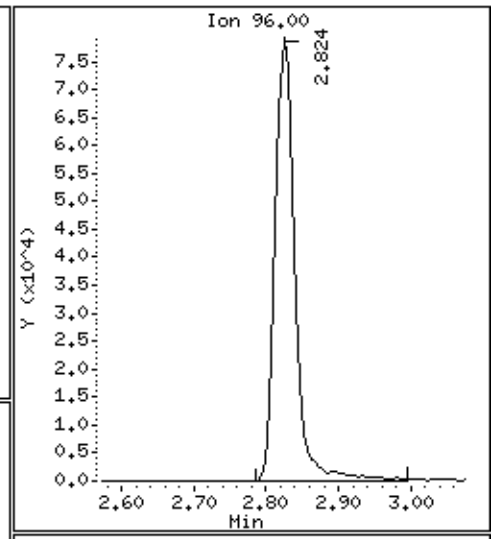
Review Code:

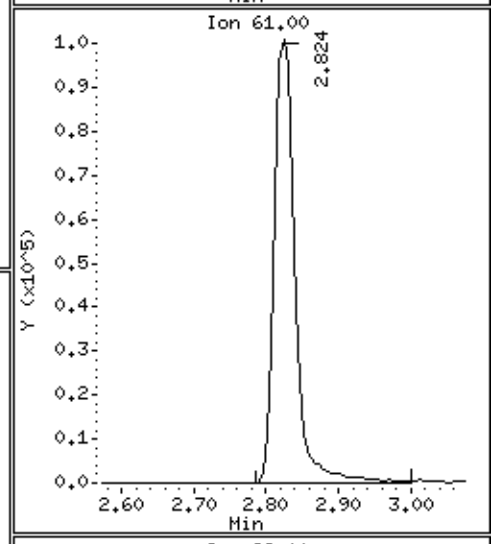


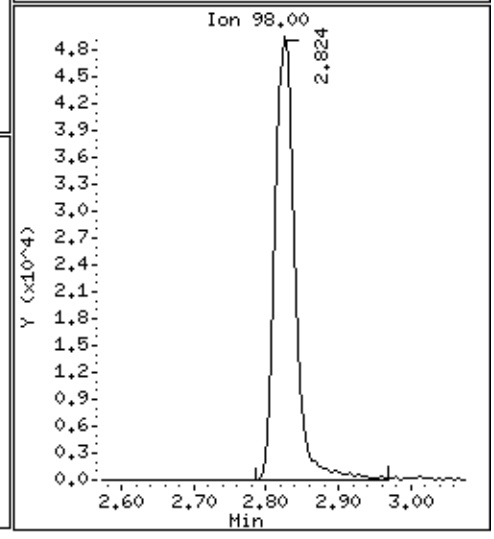












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b14.d

Date : 06-OCT-2016 19:41

Client ID: MW-0704-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366011x10

Purge Volume: 5.0

Operator: jlz

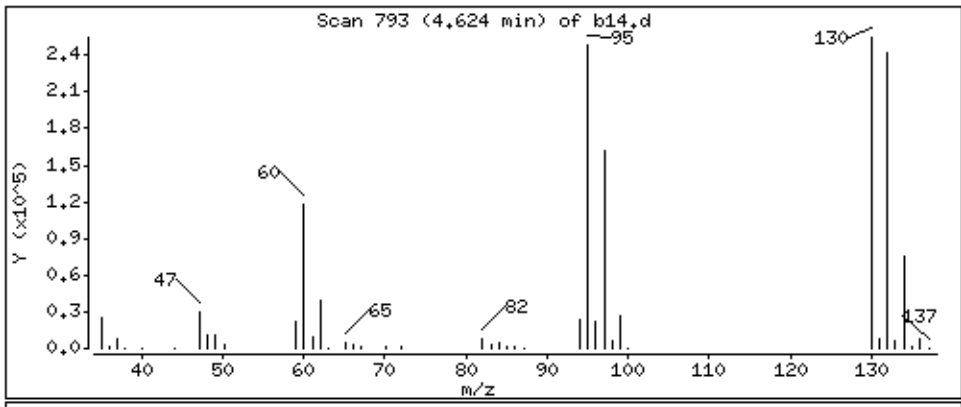
Column phase: DB-624

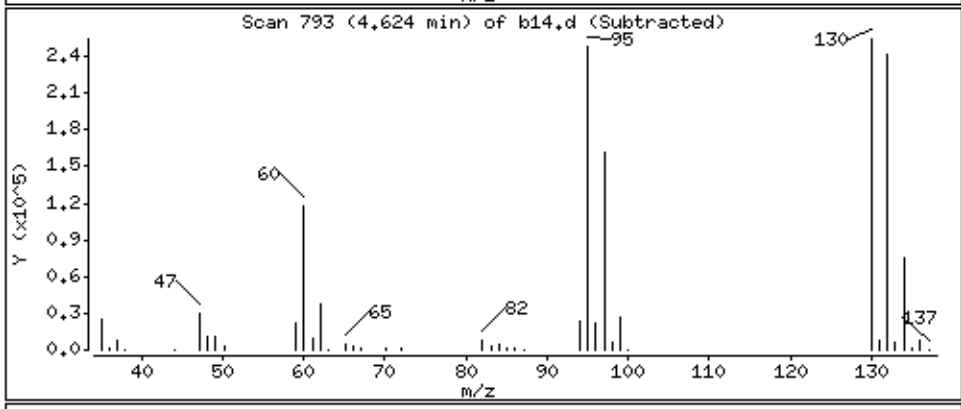
Column diameter: 0.18

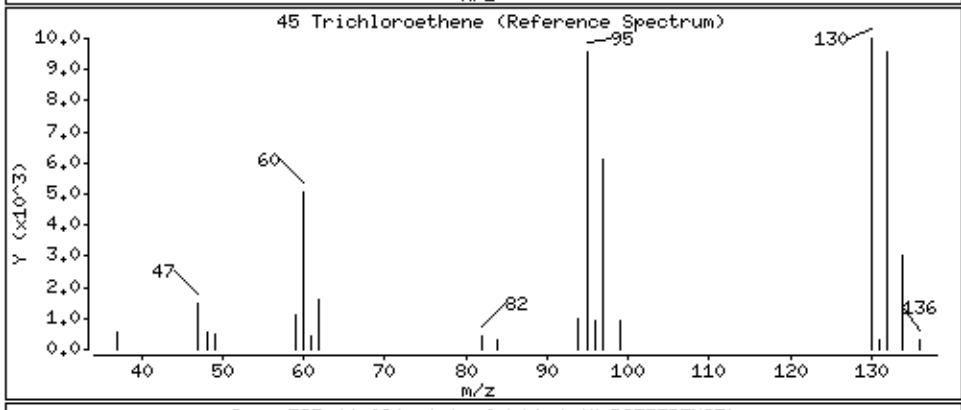
45 Trichloroethene

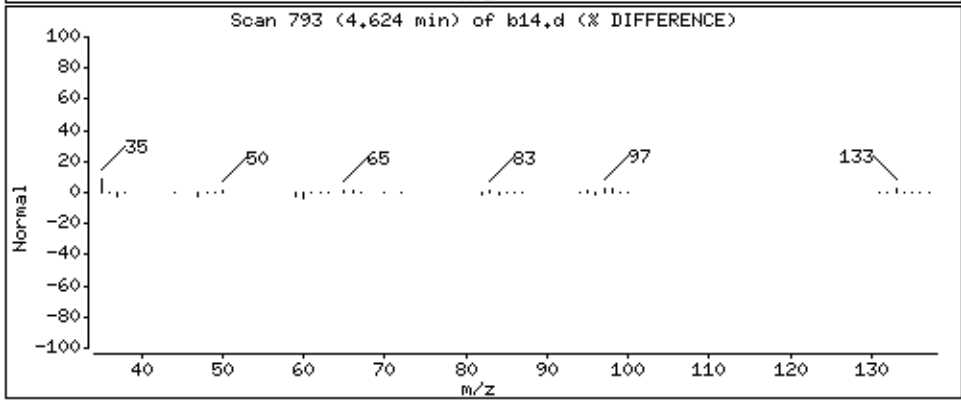
Concentration: 2480 ppb

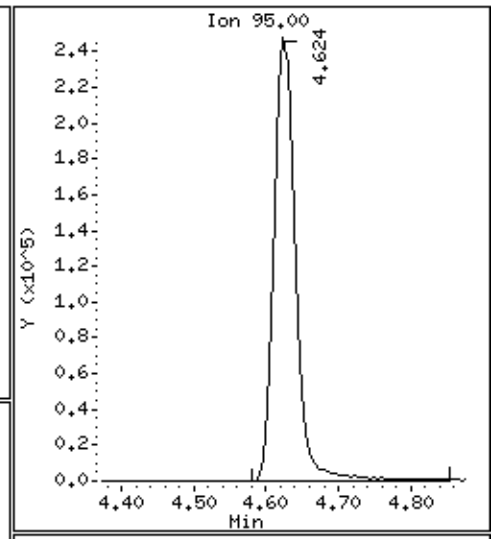
Review Code:

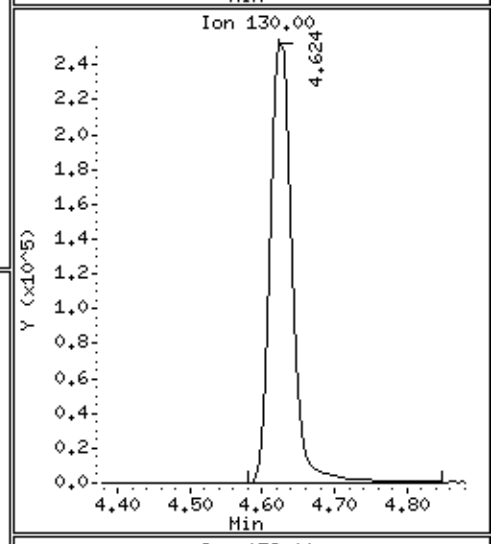


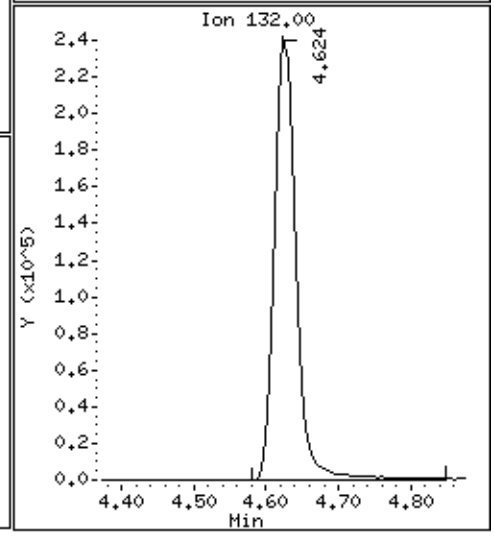












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b14.d

Date : 06-OCT-2016 19:41

Client ID: MW-0704-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366011x10

Purge Volume: 5.0

Operator: jlz

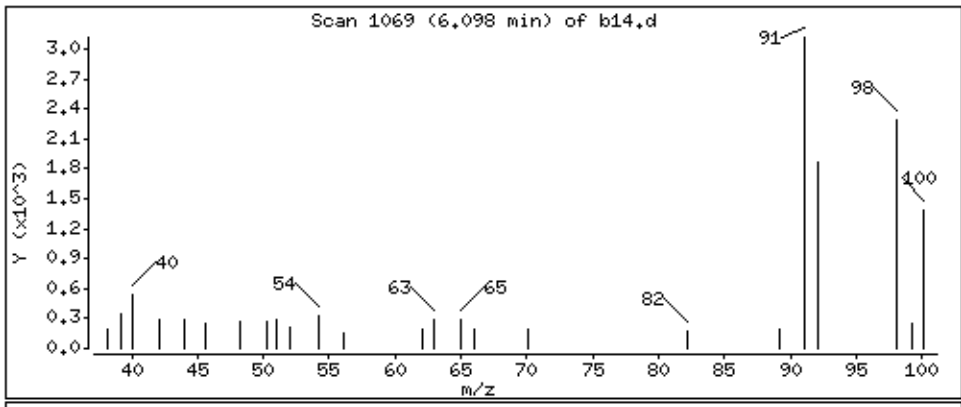
Column phase: DB-624

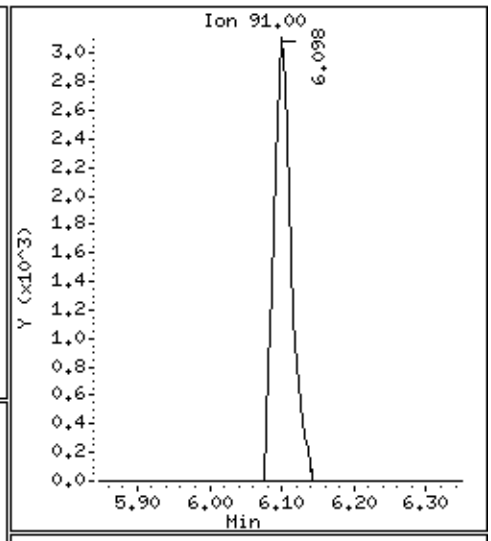
Column diameter: 0.18

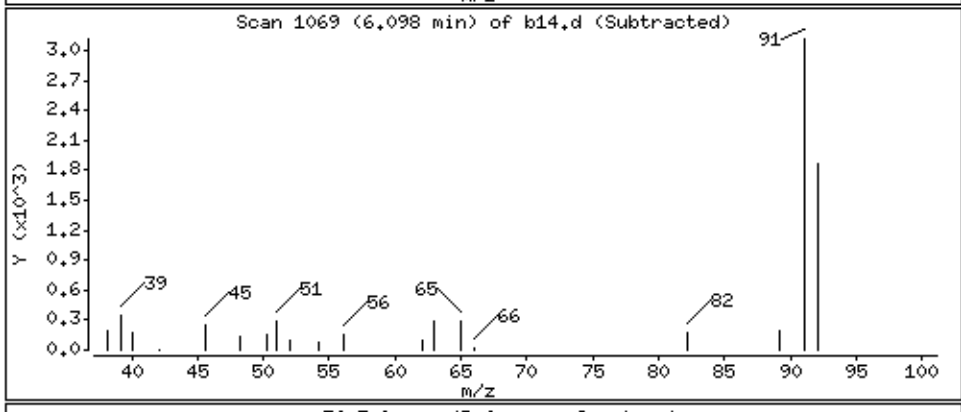
56 Toluene

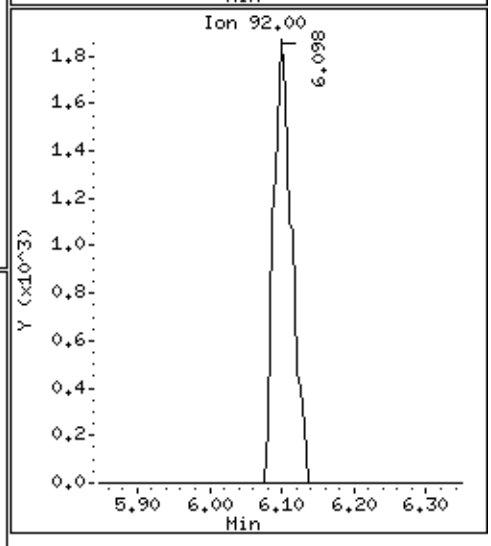
Concentration: 4.68 ppb

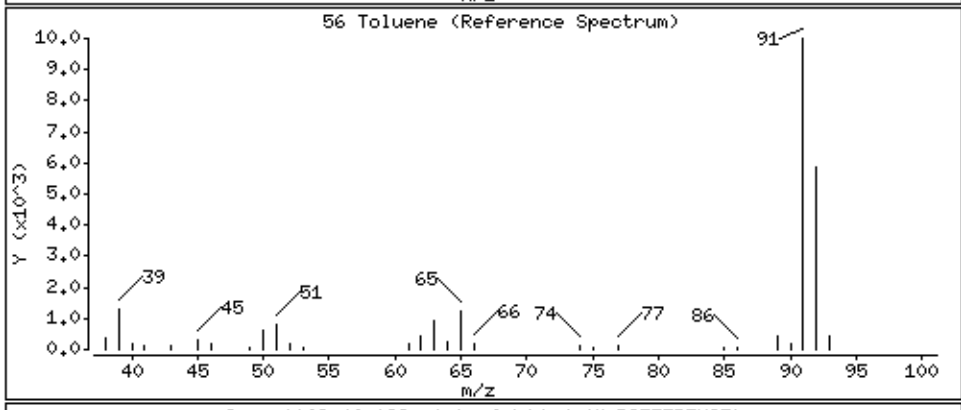
Review Code:

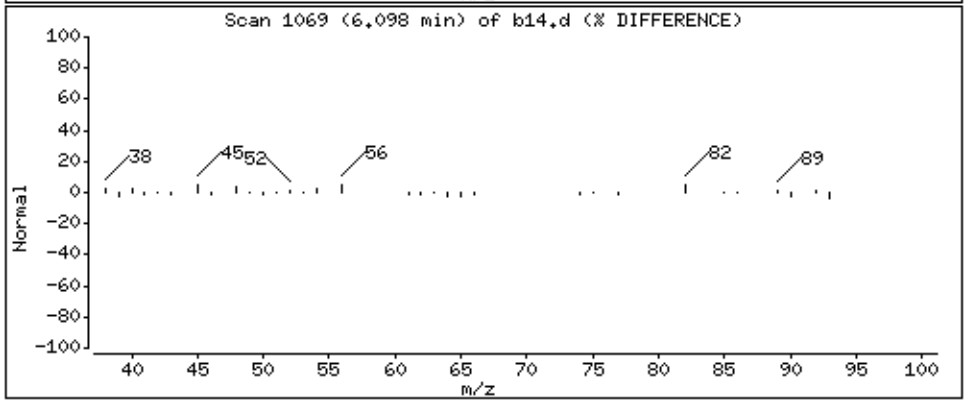












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b14.d
Injection Date: 06-OCT-2016 19:41
Instrument: 50mv3b.i
Lab Sample ID: 50155366011
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0618-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 20:13 Lab Sample ID: 50155366012

Date Analyzed: 10/06/2016 20:13 Lab File ID: B100616.B\B15.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	6.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0618-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 20:13 Lab Sample ID: 50155366012

Date Analyzed: 10/06/2016 20:13 Lab File ID: B100616.B\B15.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b15.d
Lab Smp Id: 50155366012 Client Smp ID: MW-0618-S1(092716)P
Inj Date : 06-OCT-2016 20:13
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366012
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 32
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.873	1.872	(0.449)	15572	6.10240	6.10	
	22 1,2-Dichloroethene (trans)	96	2.049	2.048	(0.491)	1531	0.79530	0.795	
	28 1,2-Dichloroethene (cis)	96	2.834	2.823	(0.679)	2380	1.16742	1.17(Q)	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	85102	49.3466	49.3	
	37 Cyclohexane	56	3.422	3.426	(0.820)	2404	0.63327	0.633	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	374576	50.0000		
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	377660	45.9614	46.0	
	56 Toluene	91	6.098	6.097	(0.830)	3449	0.33770	0.338	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	278145	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.111)	134622	52.0481	52.0	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	133506	50.0000		

QC Flag Legend

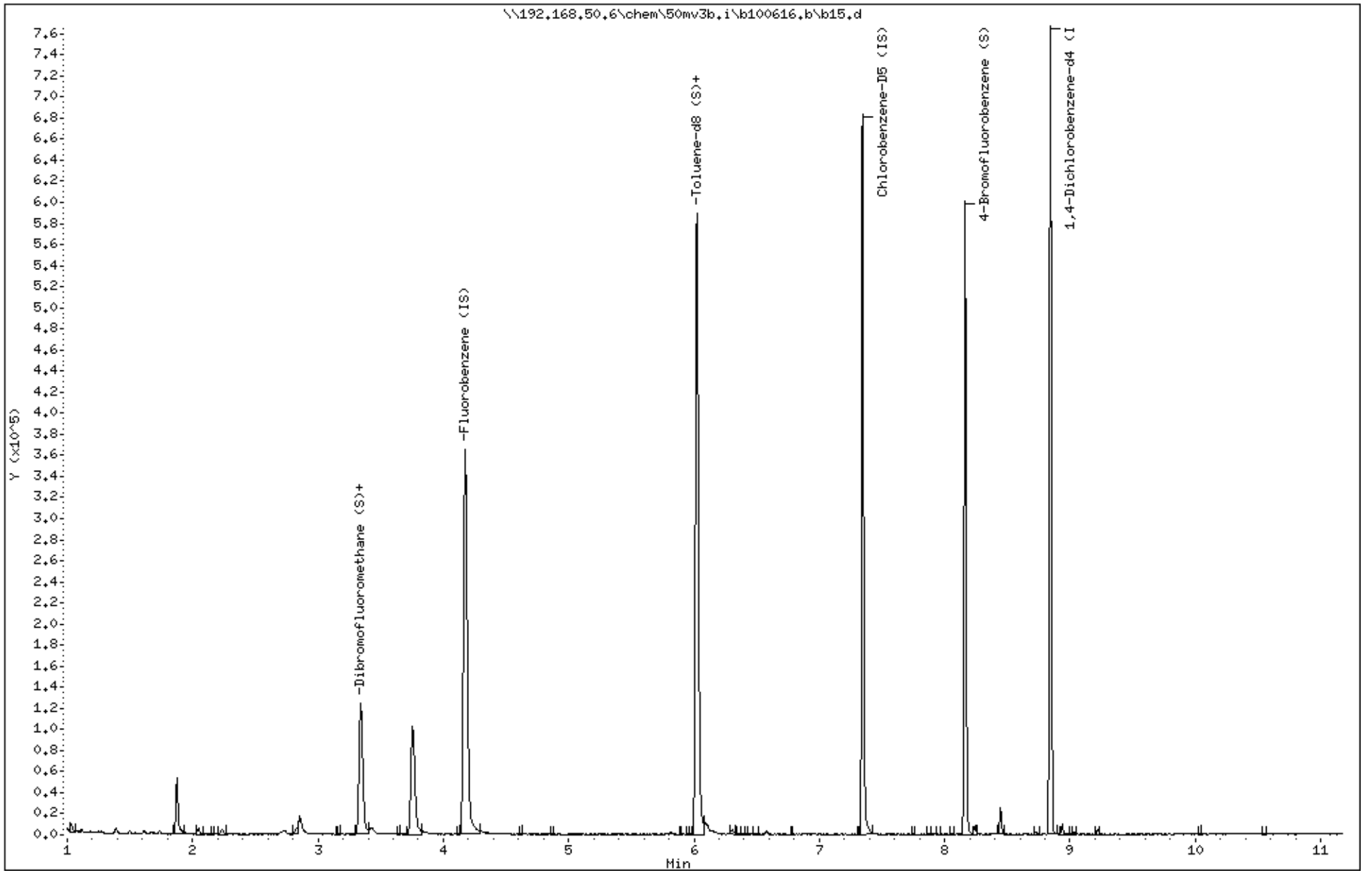
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b15.d
Date : 06-OCT-2016 20:13
Client ID: MW-0618-S1(092716)P
Sample Info: 50155366012
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b15.d

Date : 06-OCT-2016 20:13

Client ID: MW-0618-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366012

Purge Volume: 5.0

Operator: jlz

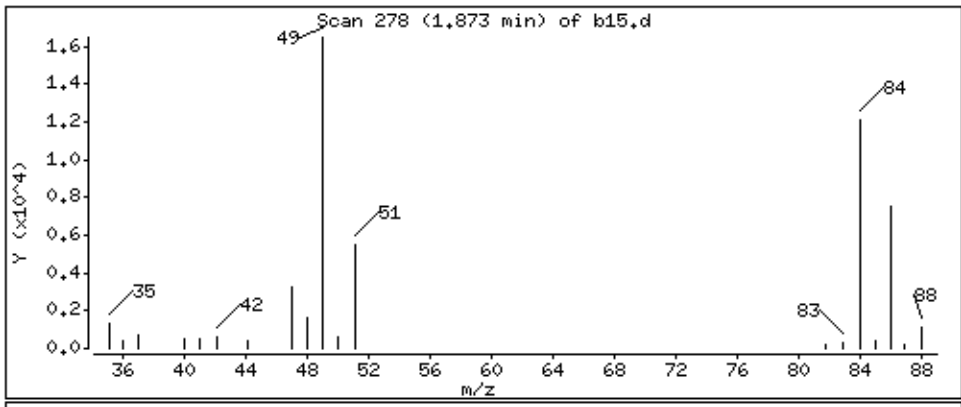
Column phase: DB-624

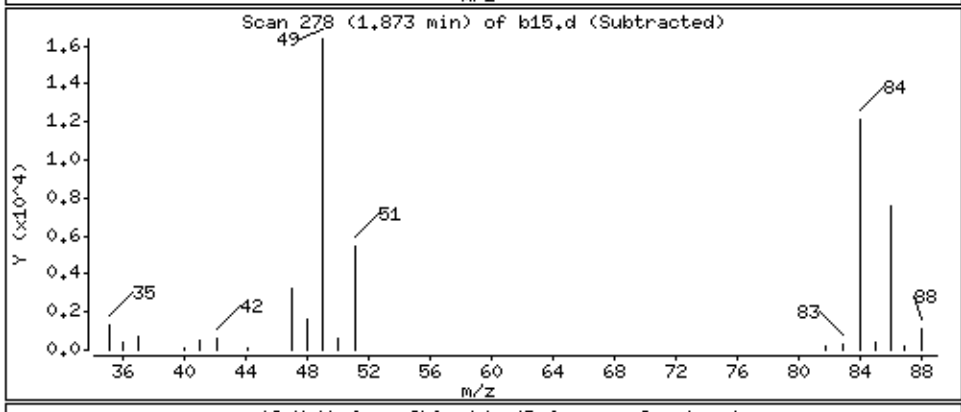
Column diameter: 0.18

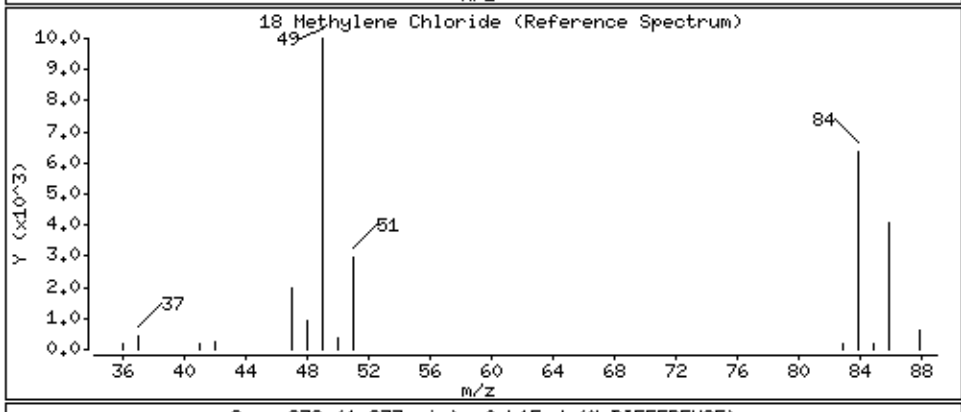
18 Methylene Chloride

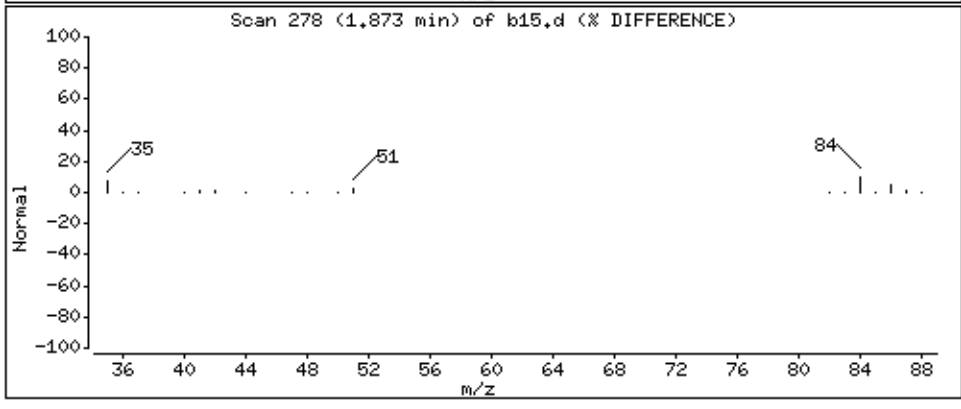
Concentration: 6.10 ppb

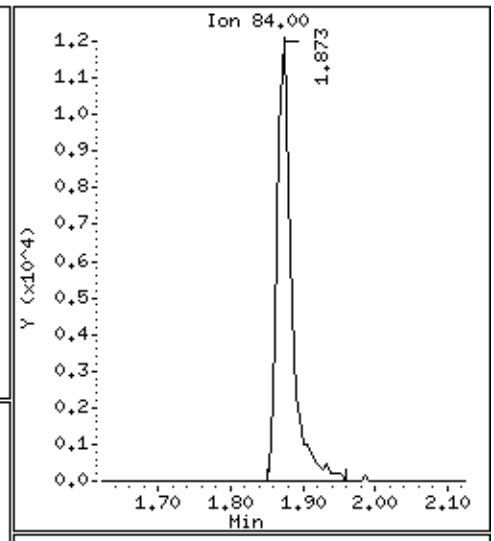
Review Code:

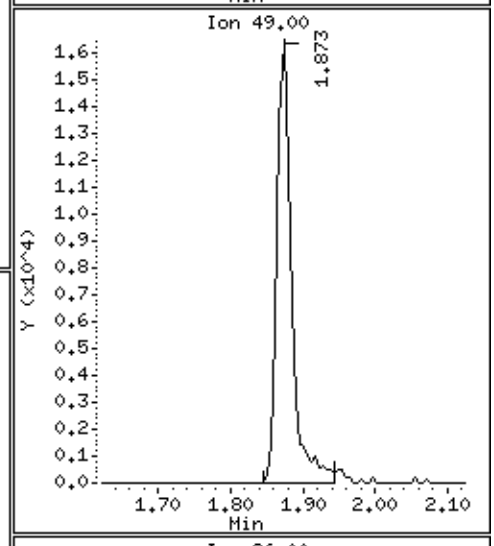


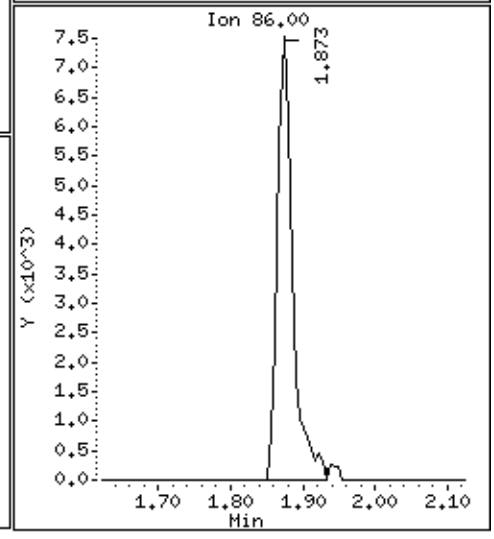












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b15.d

Date : 06-OCT-2016 20:13

Client ID: MW-0618-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366012

Purge Volume: 5.0

Operator: jlz

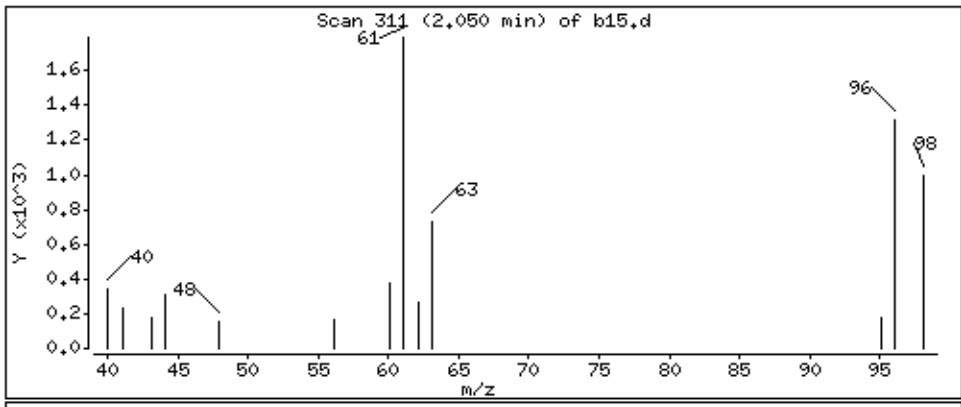
Column phase: DB-624

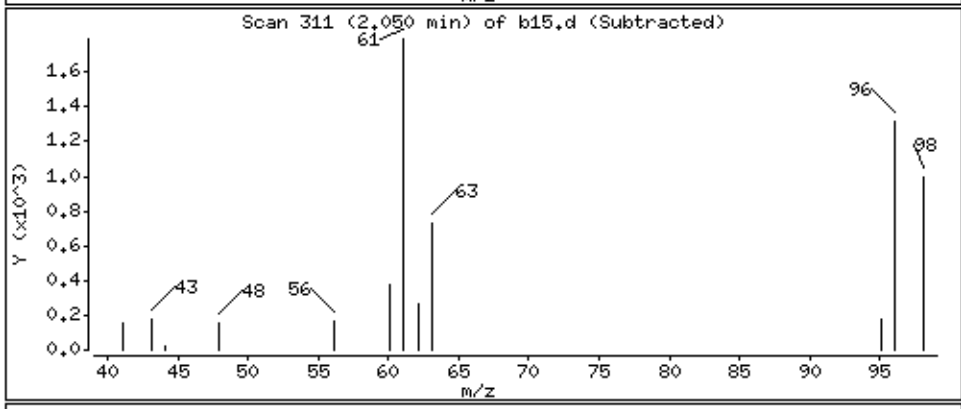
Column diameter: 0.18

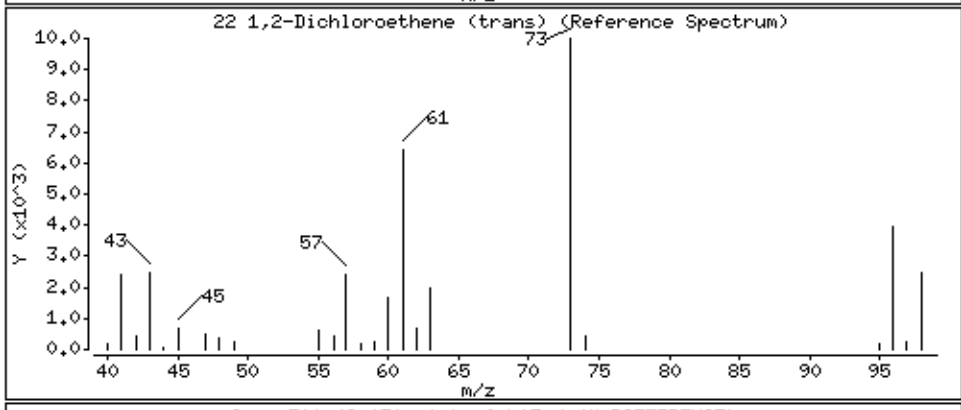
22 1,2-Dichloroethene (trans)

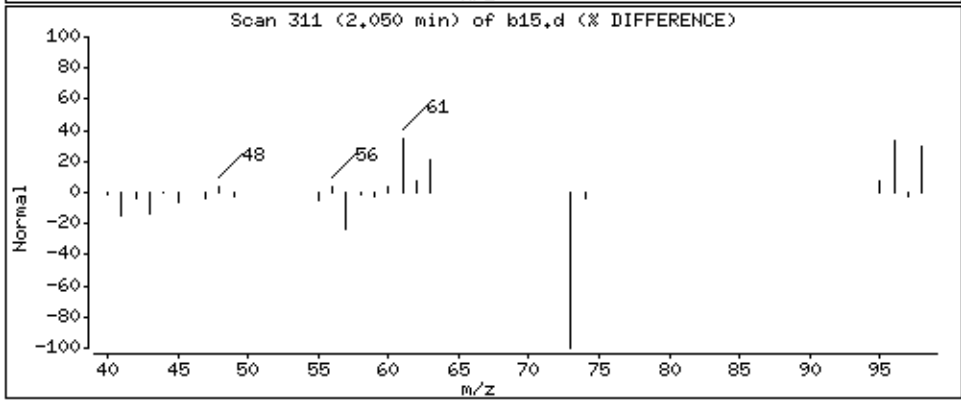
Concentration: 0.795 ppb

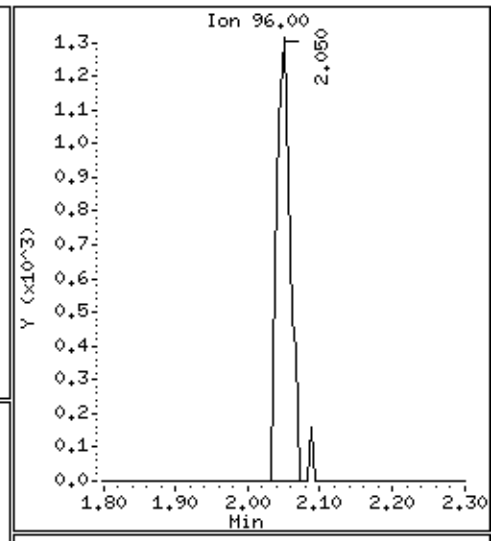
Review Code:

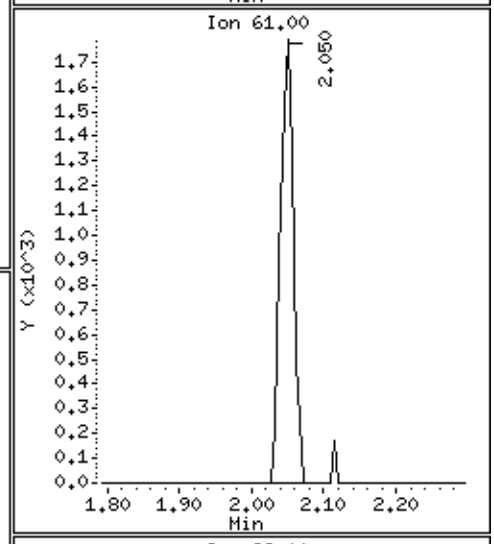


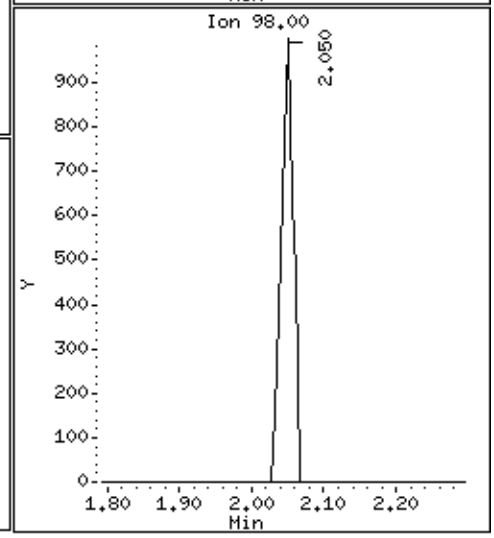












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b15.d

Page 5

Date : 06-OCT-2016 20:13

Client ID: MW-0618-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366012

Purge Volume: 5.0

Operator: jlz

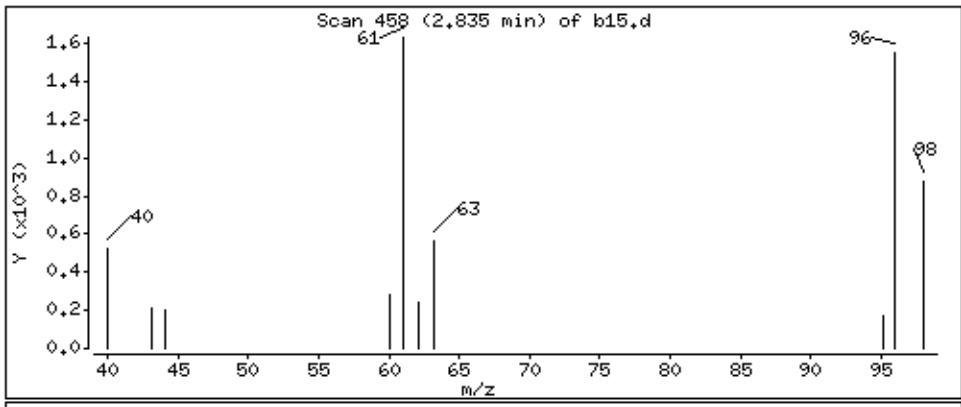
Column phase: DB-624

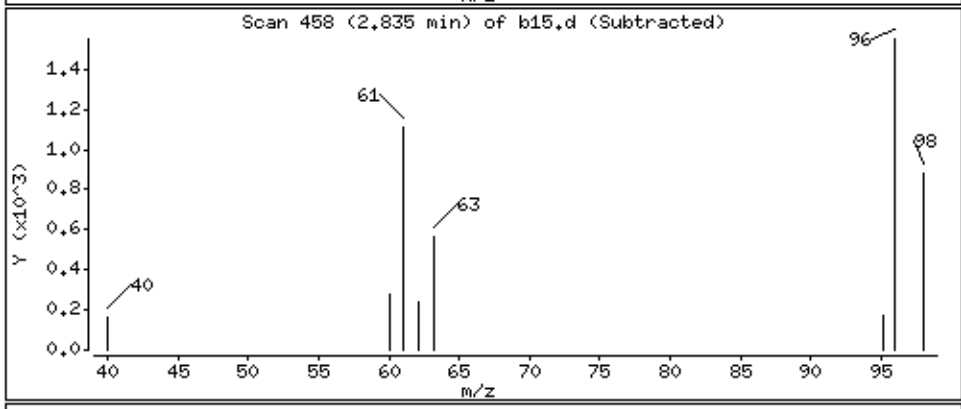
Column diameter: 0.18

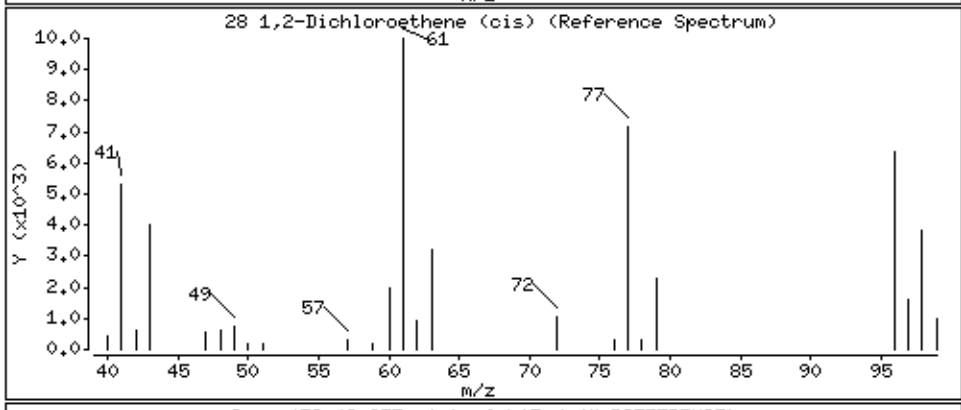
28 1,2-Dichloroethene (cis)

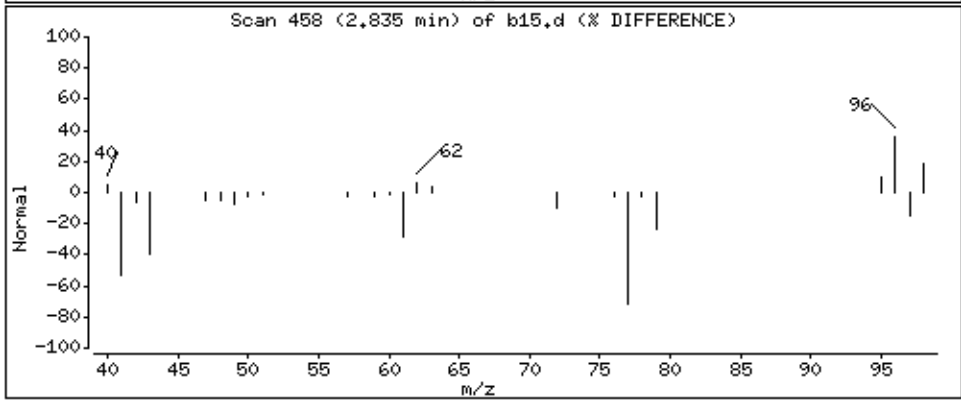
Concentration: 1.17 ppb

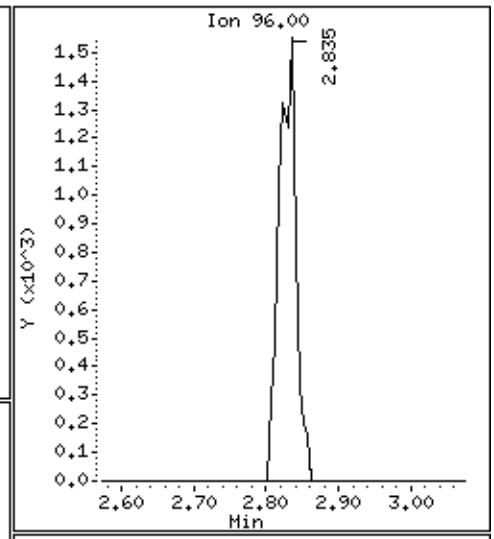
Review Code:

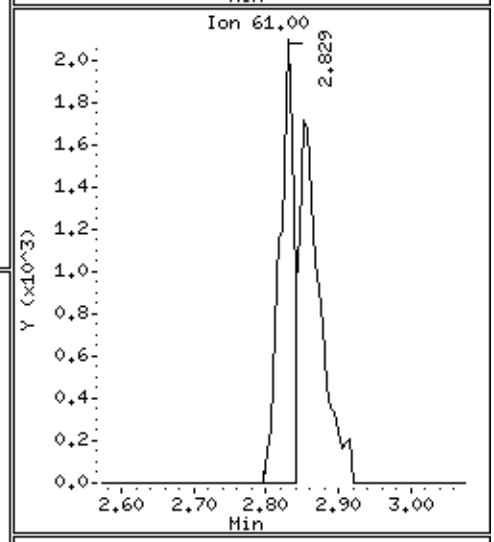


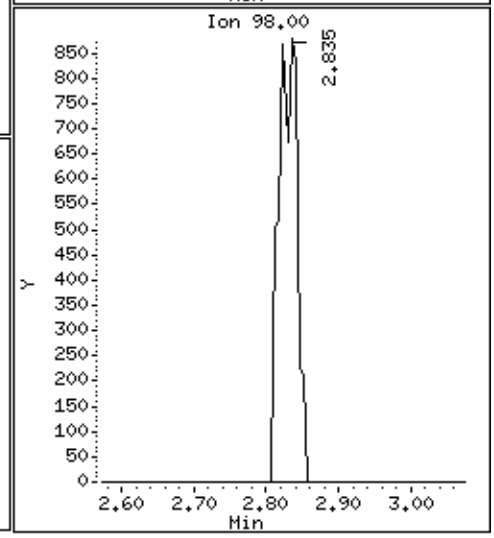












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Date : 06-OCT-2016 20:13

Client ID: MW-0618-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366012

Purge Volume: 5.0

Operator: jlz

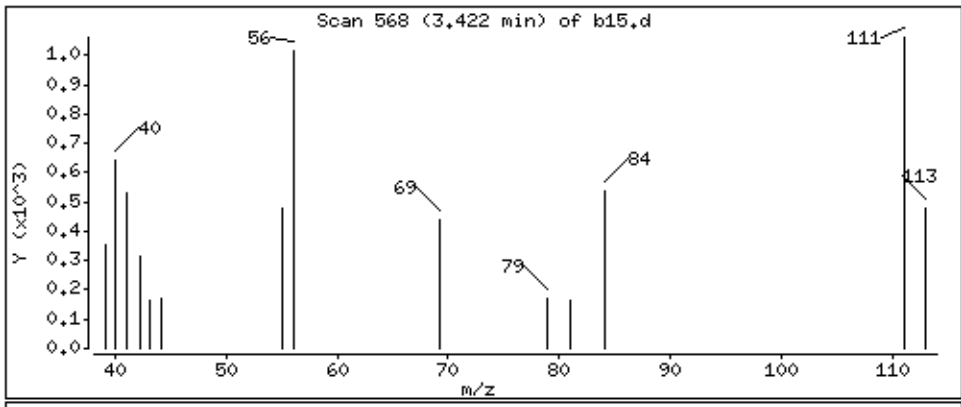
Column phase: DB-624

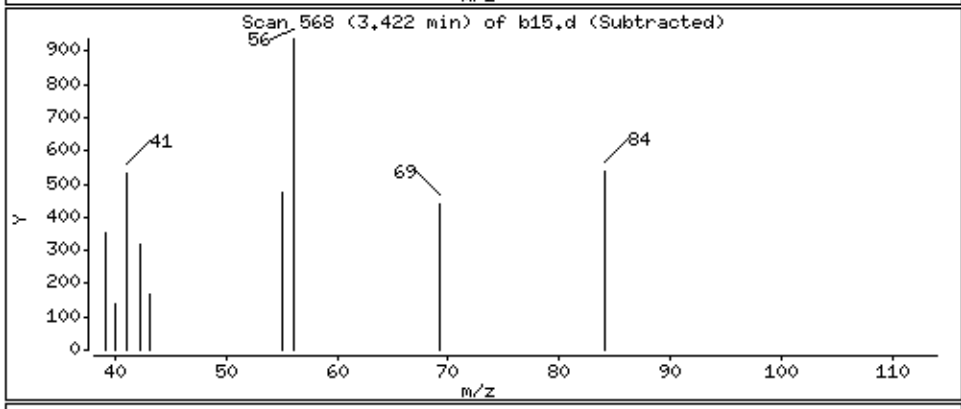
Column diameter: 0.18

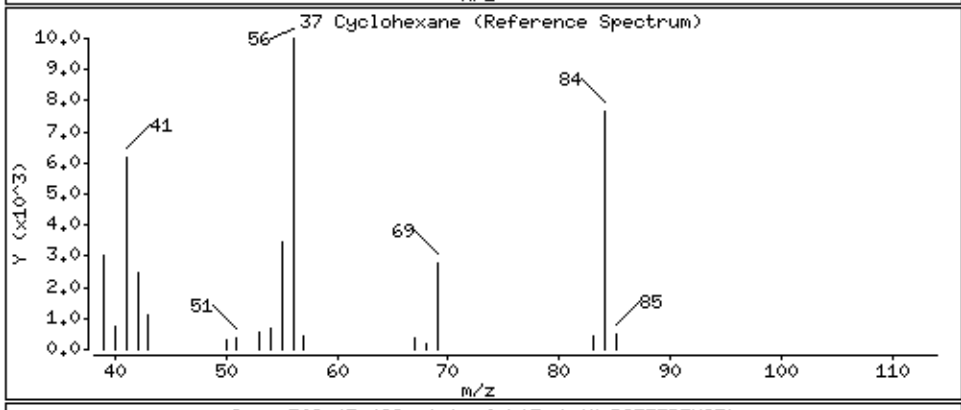
37 Cyclohexane

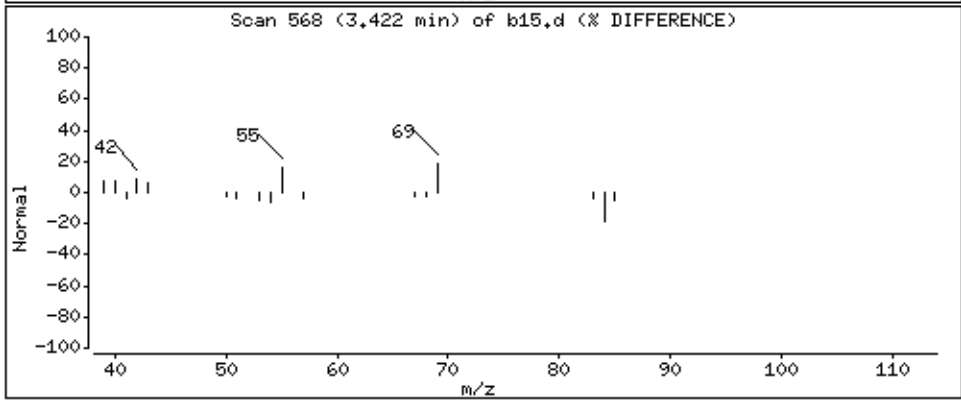
Concentration: 0.633 ppb

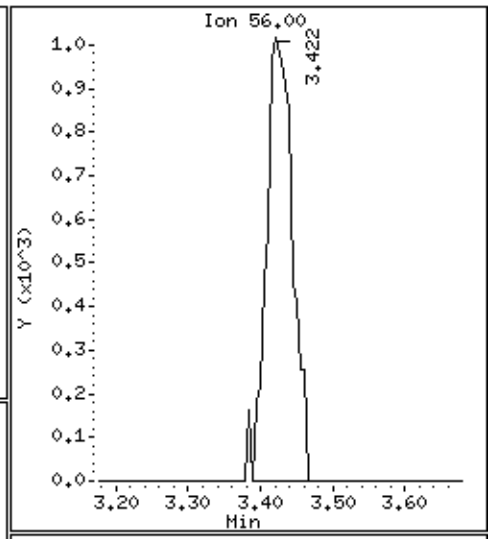
Review Code:

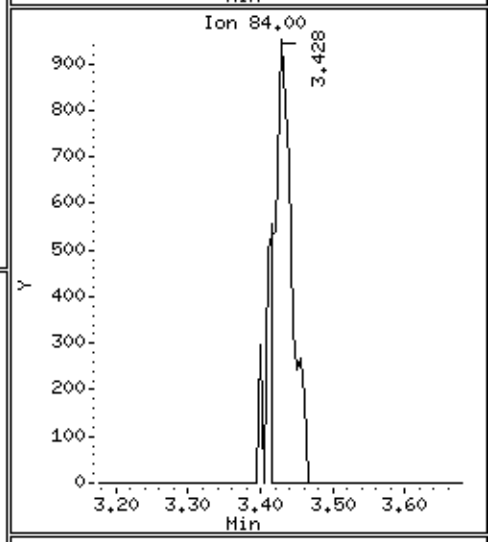


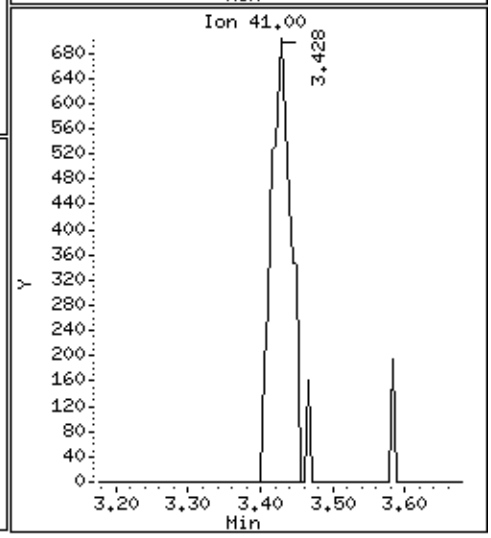












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Date : 06-OCT-2016 20:13

Client ID: MW-0618-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366012

Purge Volume: 5.0

Operator: jlz

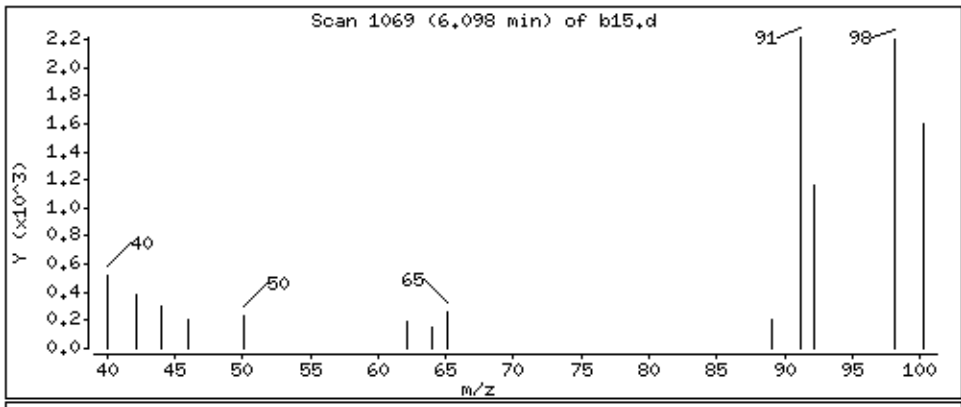
Column phase: DB-624

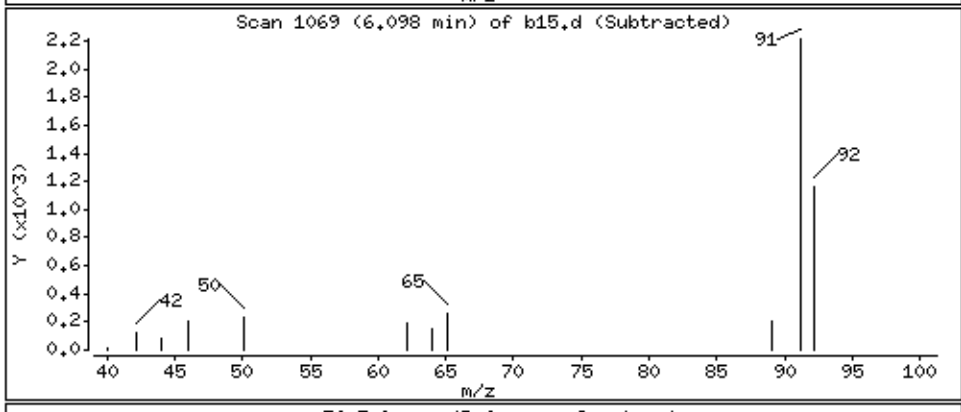
Column diameter: 0.18

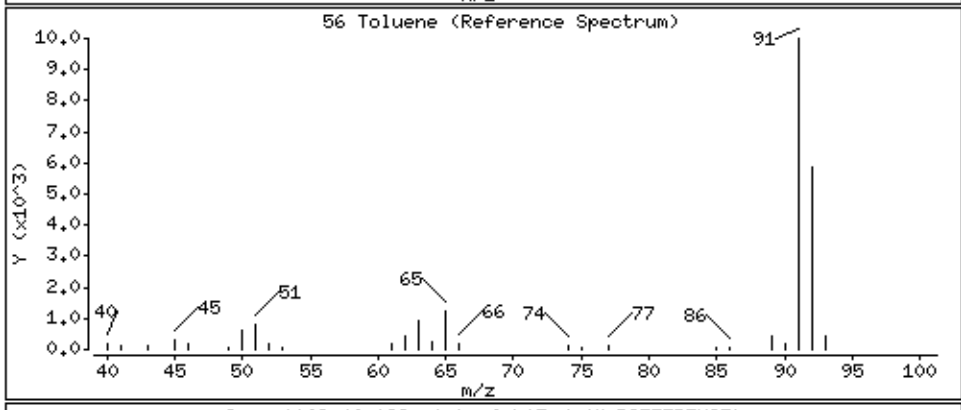
56 Toluene

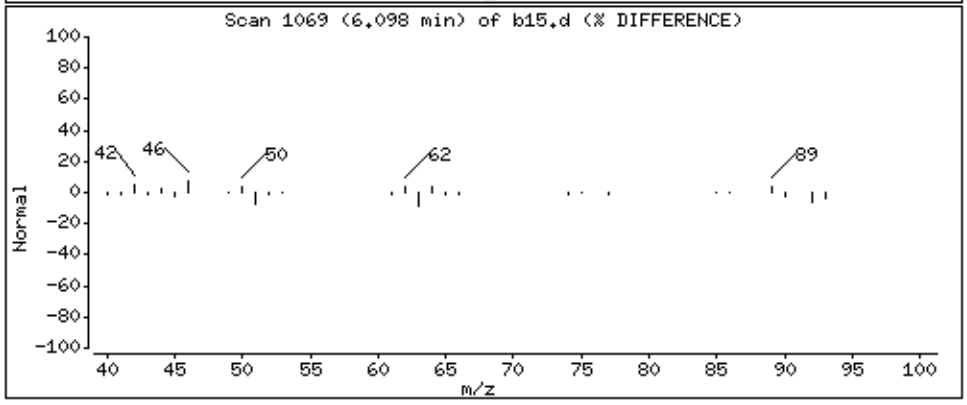
Concentration: 0.338 ppb

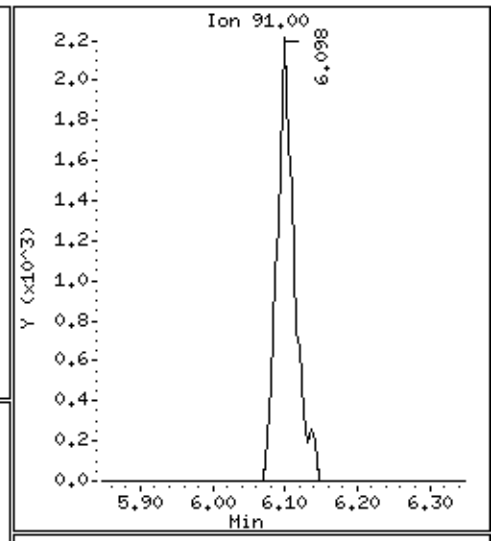
Review Code:

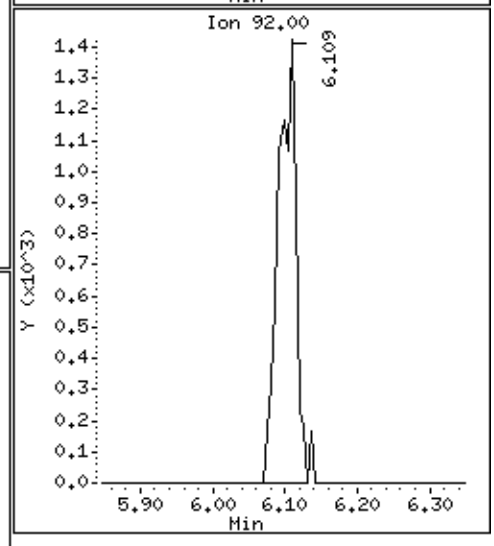












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b15.d
Injection Date: 06-OCT-2016 20:13
Instrument: 50mv3b.i
Lab Sample ID: 50155366012
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0608-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 20:45 Lab Sample ID: 50155366013

Date Analyzed: 10/06/2016 20:45 Lab File ID: B100616.B\B16.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0608-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 20:45 Lab Sample ID: 50155366013

Date Analyzed: 10/06/2016 20:45 Lab File ID: B100616.B\B16.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b16.d
Lab Smp Id: 50155366013 Client Smp ID: MW-0608-S1(092716)P
Inj Date : 06-OCT-2016 20:45
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366013
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 34
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.611	1.610	(0.386)	26103	73.8125	73.8	
	18 Methylene Chloride	84	1.873	1.872	(0.449)	18046	7.27026	7.27	
	28 1,2-Dichloroethene (cis)	96	2.829	2.823	(0.678)	2355	1.13116	1.13(Q)	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.801)	83703	47.5270	47.5	
	37 Cyclohexane	56	3.427	3.426	(0.822)	2240	0.57781	0.578	
*	44 Fluorobenzene (IS)	96	4.169	4.174	(1.000)	382523	50.0000		
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	382267	46.6884	46.7	
	56 Toluene	91	6.092	6.097	(0.829)	4637	0.45564	0.456	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	277154	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.111)	131472	51.0120	51.0	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	133803	50.0000		

QC Flag Legend

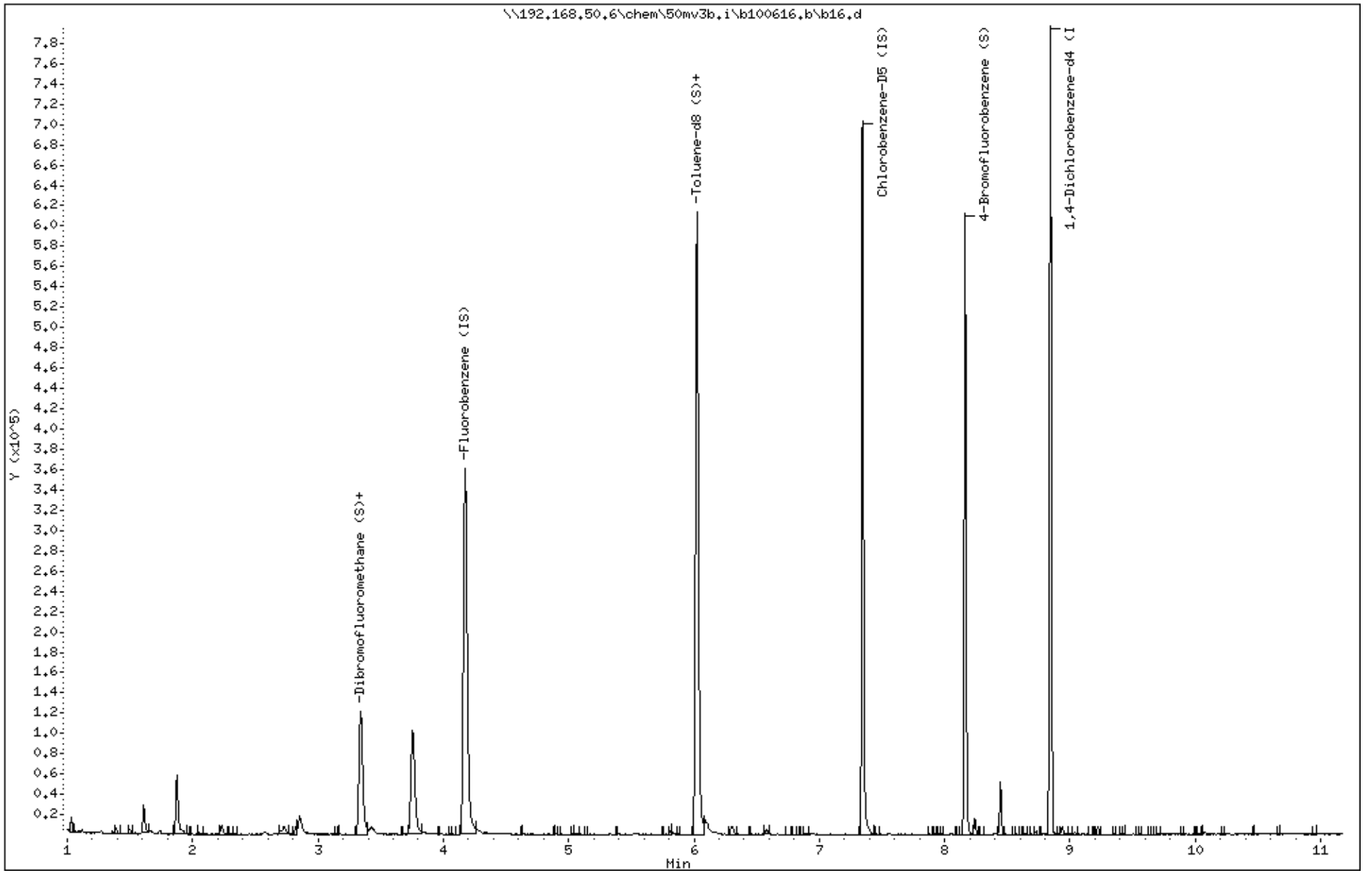
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b16.d
Date : 06-OCT-2016 20:45
Client ID: MW-0608-S1(092716)P
Sample Info: 50155366013
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b16.d

Date : 06-OCT-2016 20:45

Client ID: MW-0608-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366013

Purge Volume: 5.0

Operator: jlz

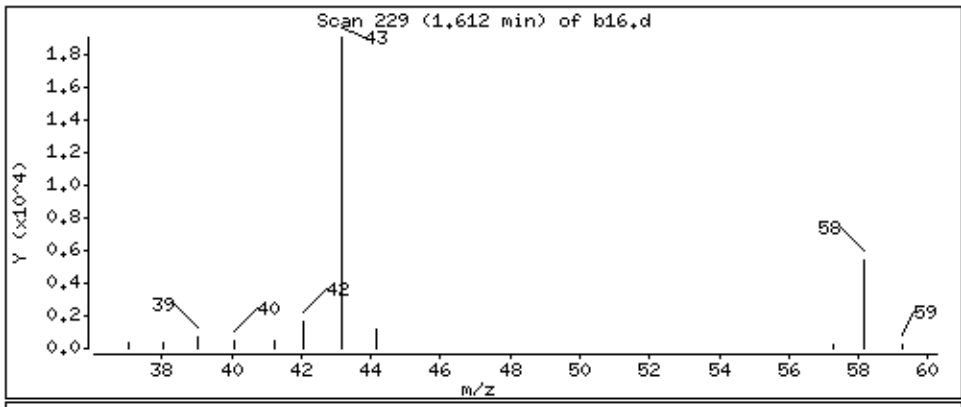
Column phase: DB-624

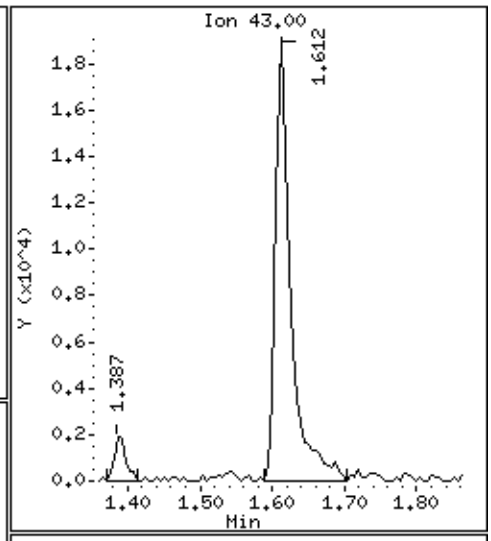
Column diameter: 0.18

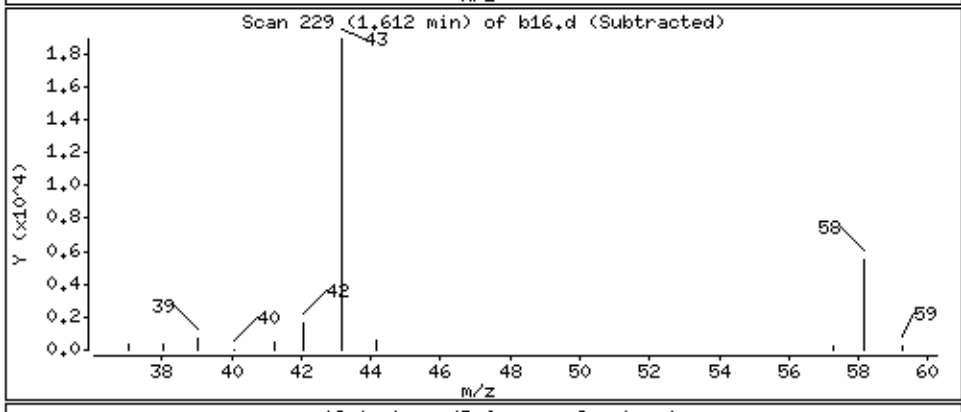
12 Acetone

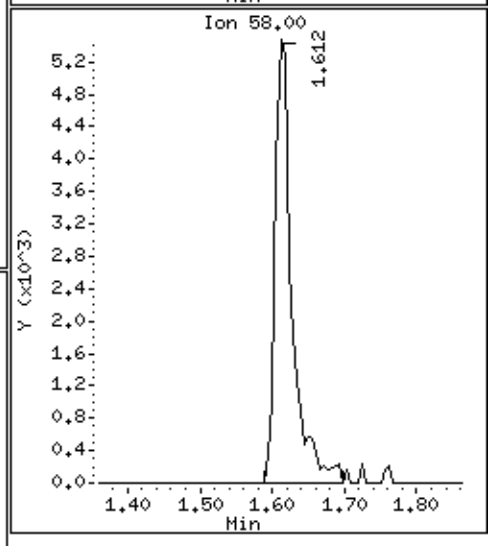
Concentration: 73.8 ppb

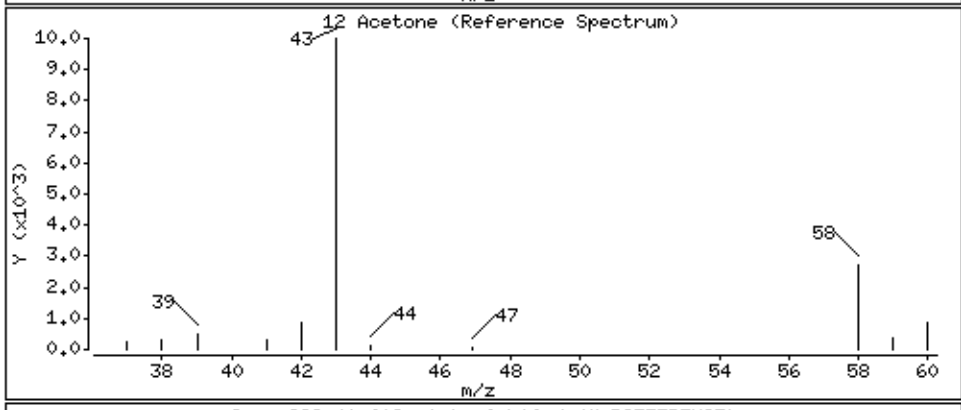
Review Code:

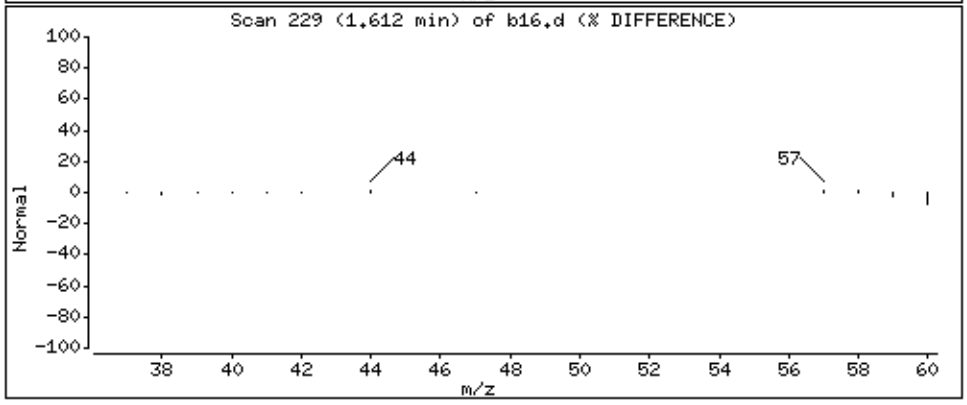












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b16.d

Date : 06-OCT-2016 20:45

Client ID: MW-0608-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366013

Purge Volume: 5.0

Operator: jlz

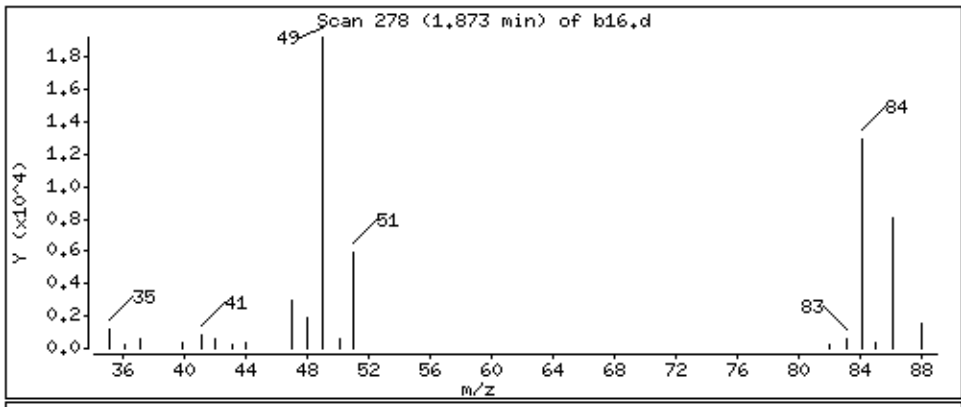
Column phase: DB-624

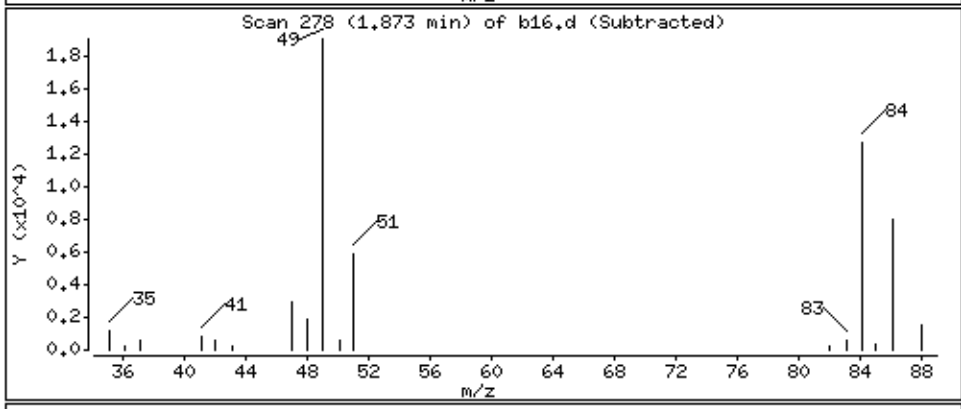
Column diameter: 0.18

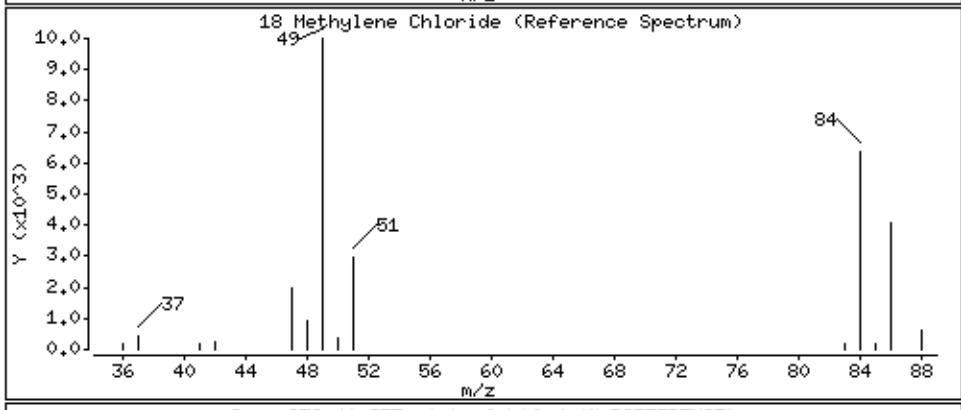
18 Methylene Chloride

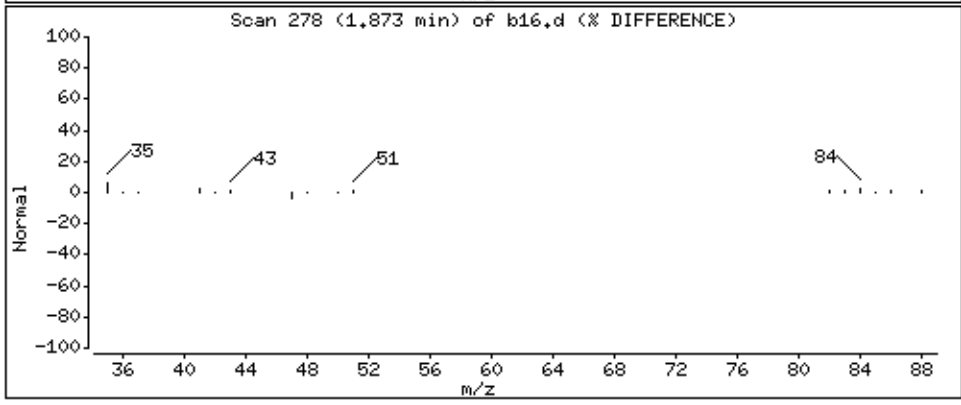
Concentration: 7.27 ppb

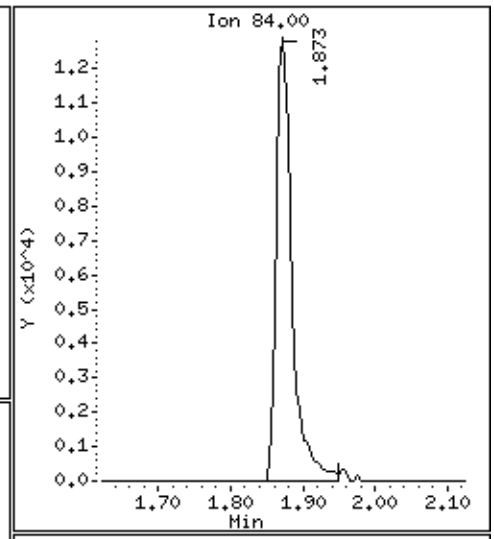
Review Code:

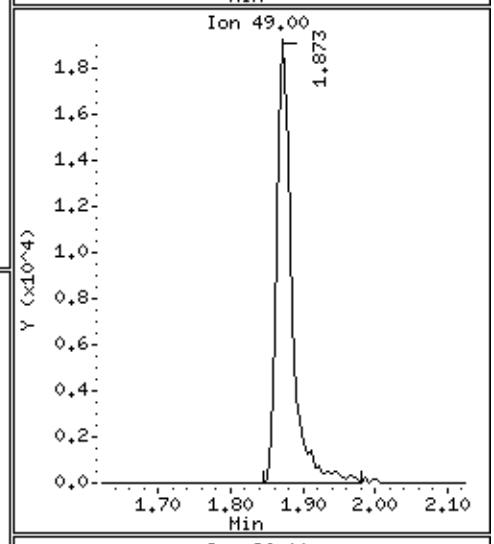


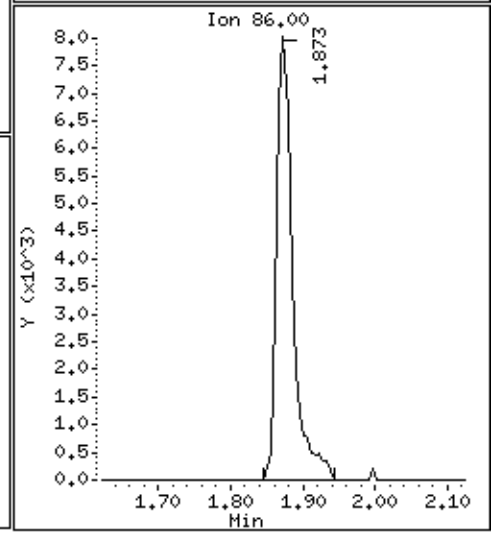












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b16.d

Date : 06-OCT-2016 20:45

Client ID: MW-0608-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366013

Purge Volume: 5.0

Operator: jlz

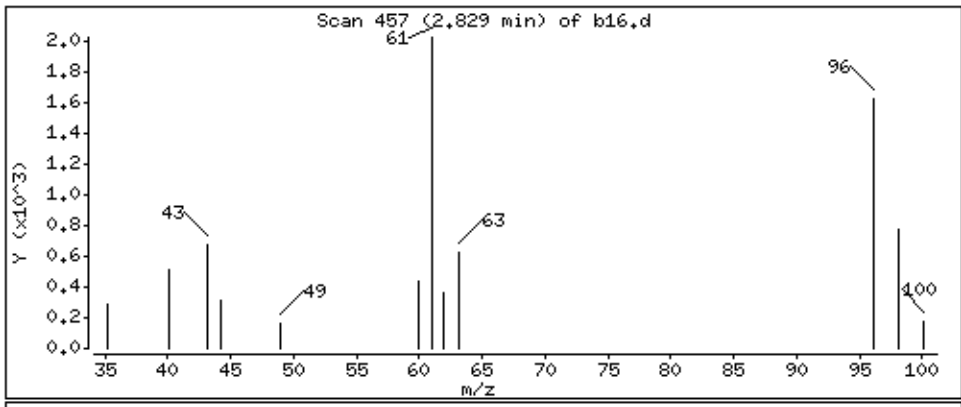
Column phase: DB-624

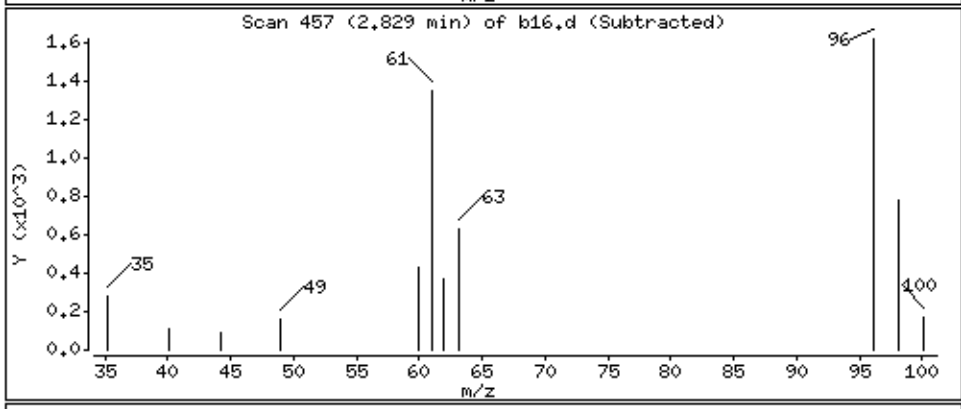
Column diameter: 0.18

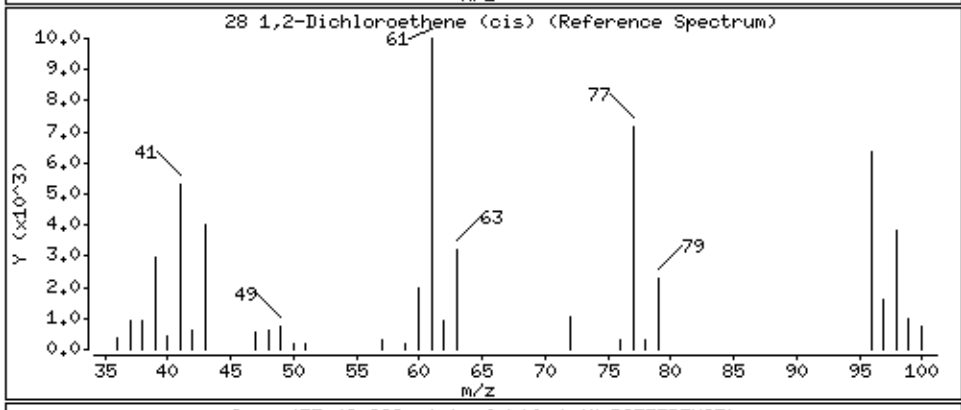
28 1,2-Dichloroethene (cis)

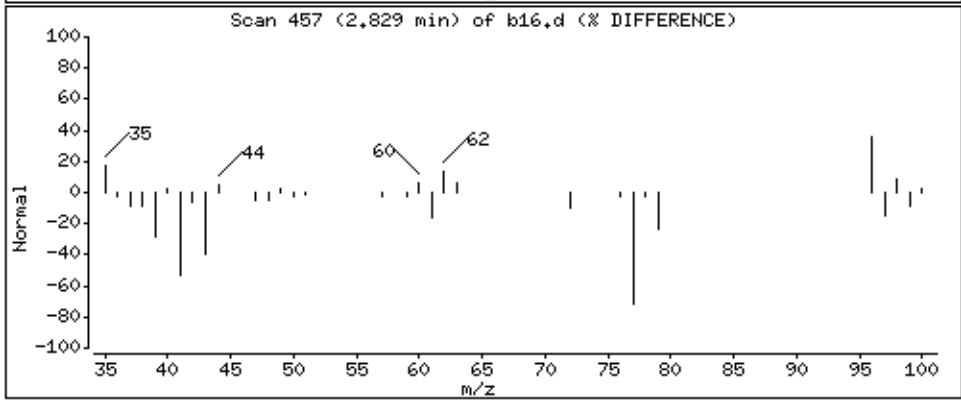
Concentration: 1.13 ppb

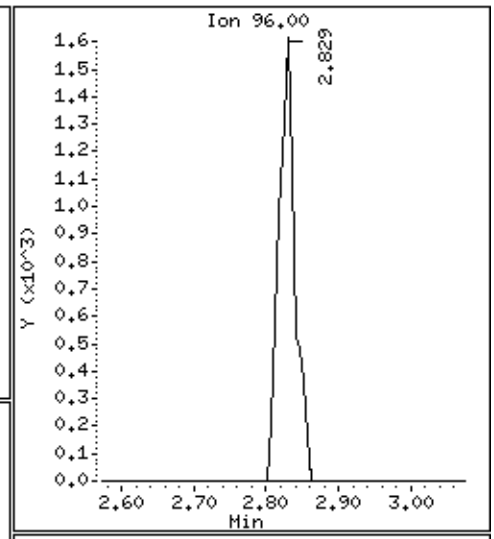
Review Code:

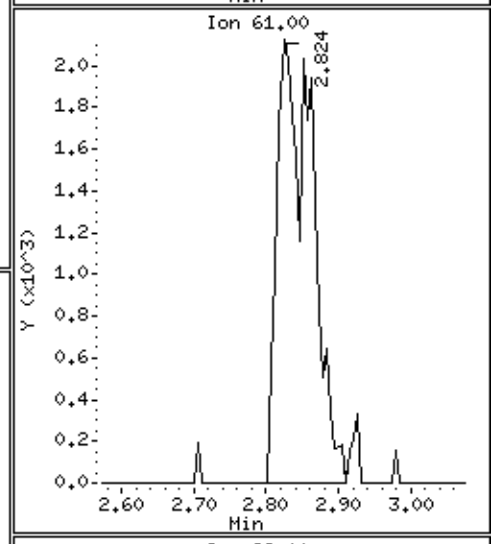


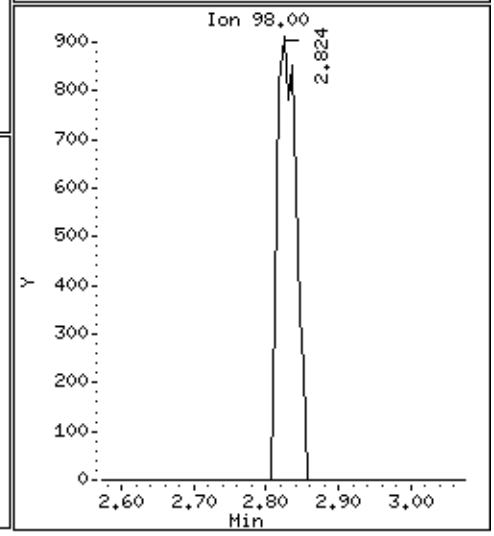












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Date : 06-OCT-2016 20:45

Client ID: MW-0608-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366013

Purge Volume: 5.0

Operator: jlz

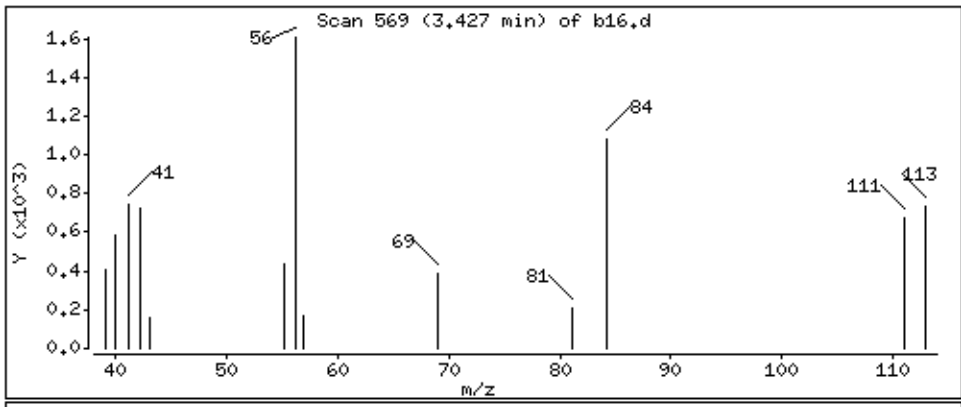
Column phase: DB-624

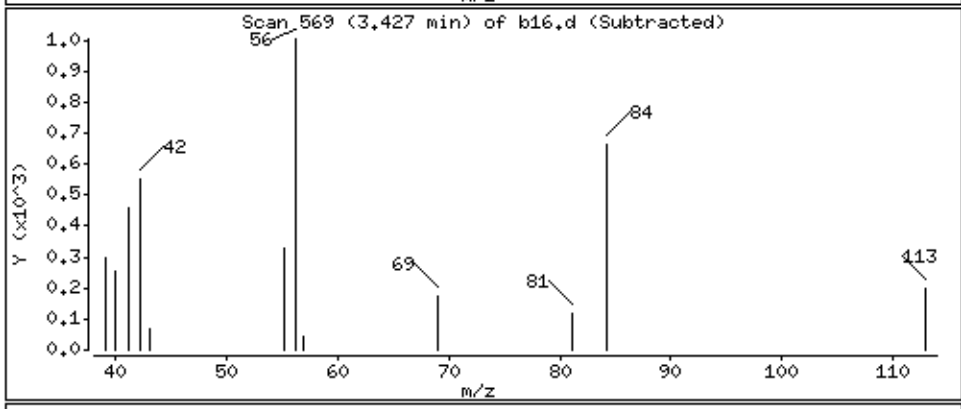
Column diameter: 0.18

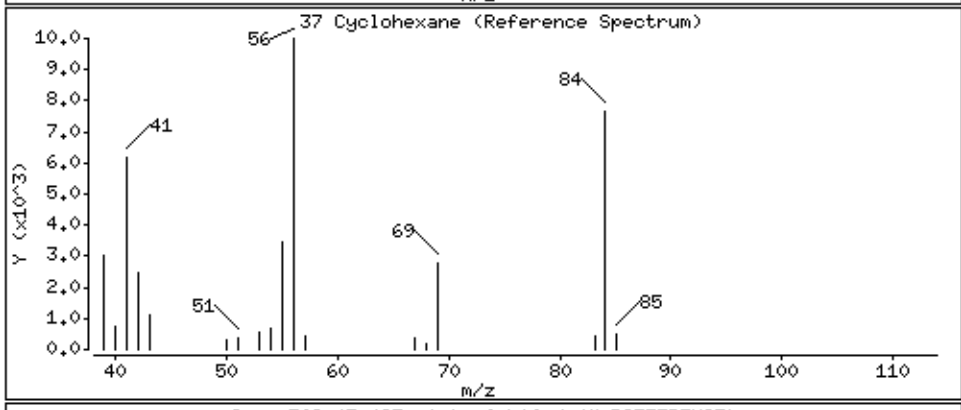
37 Cyclohexane

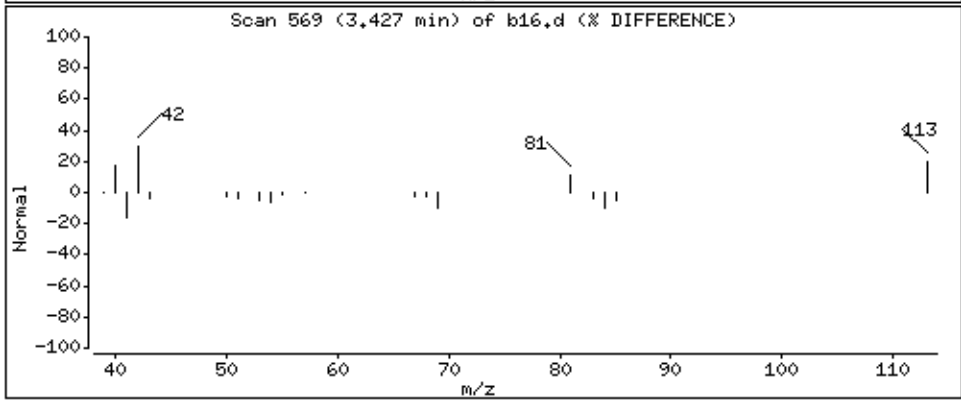
Concentration: 0.578 ppb

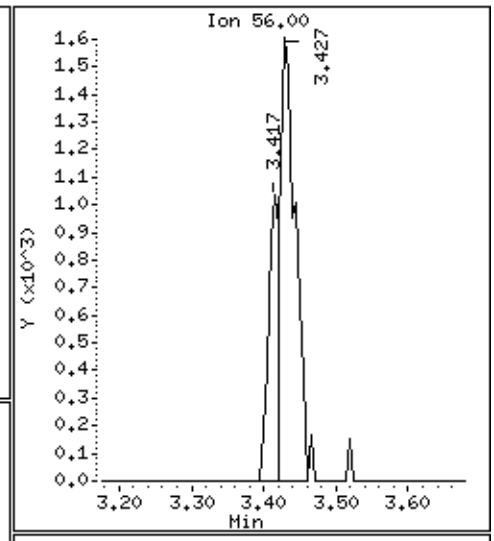
Review Code:

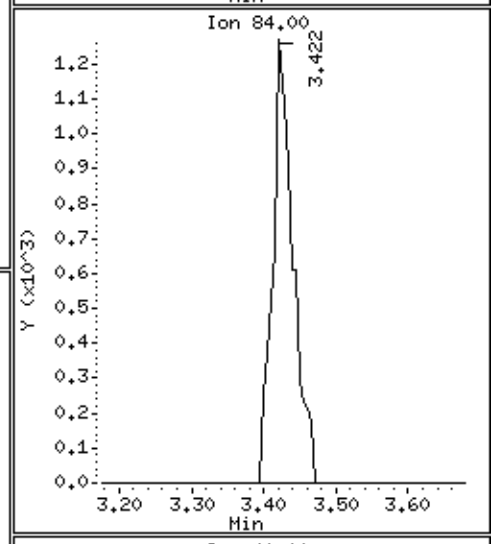


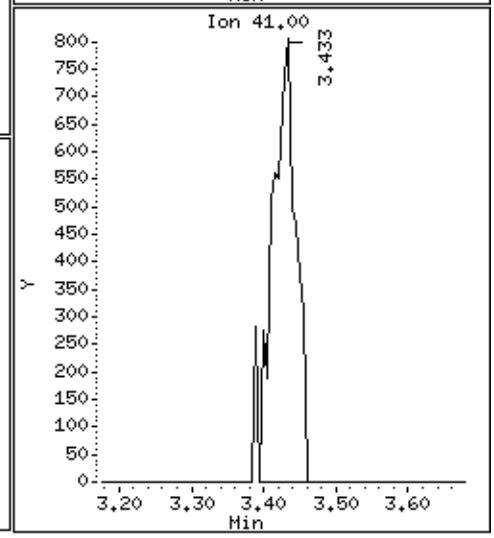












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b16.d

Date : 06-OCT-2016 20:45

Client ID: MW-0608-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366013

Purge Volume: 5.0

Operator: jlz

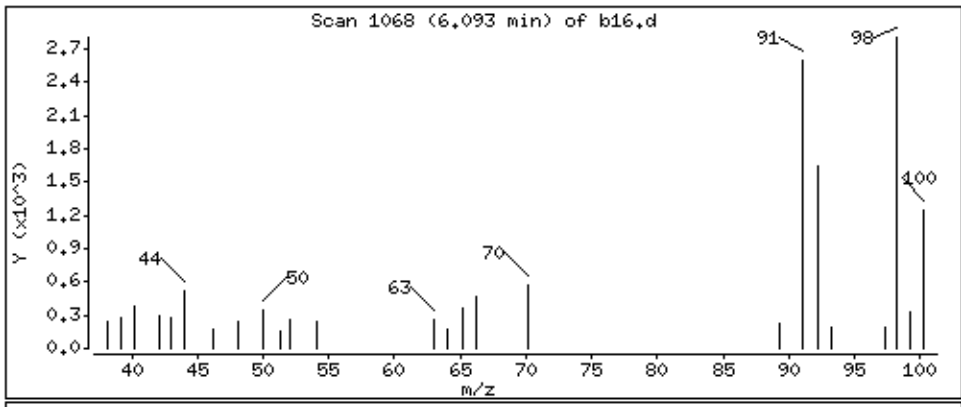
Column phase: DB-624

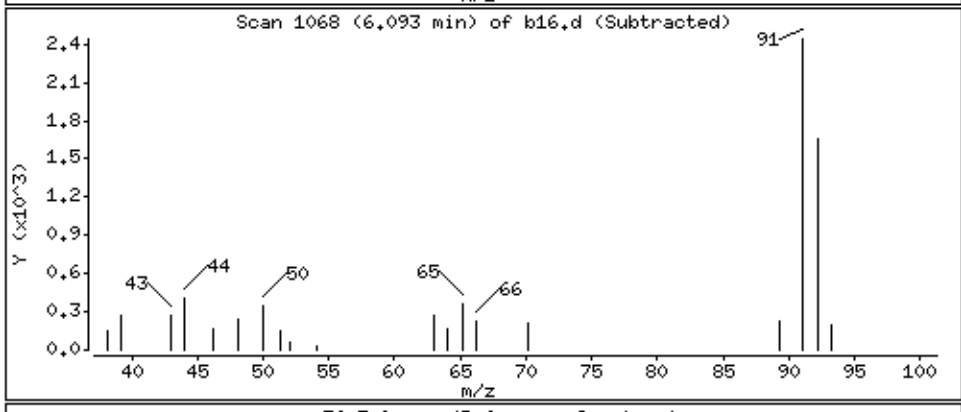
Column diameter: 0.18

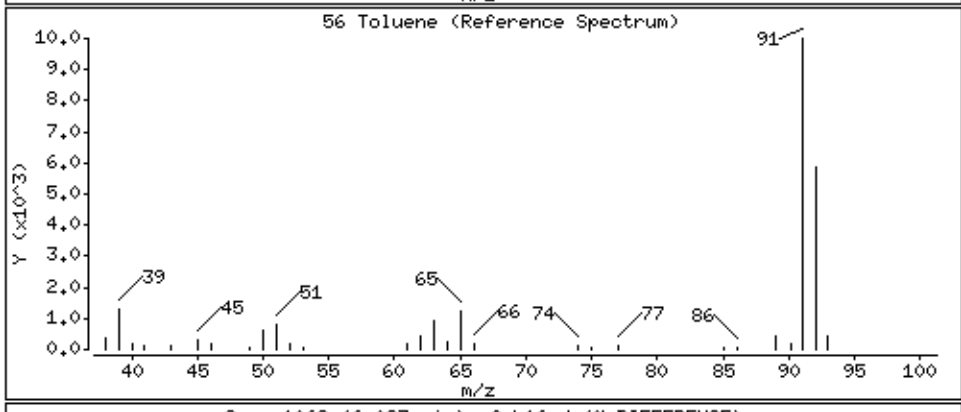
56 Toluene

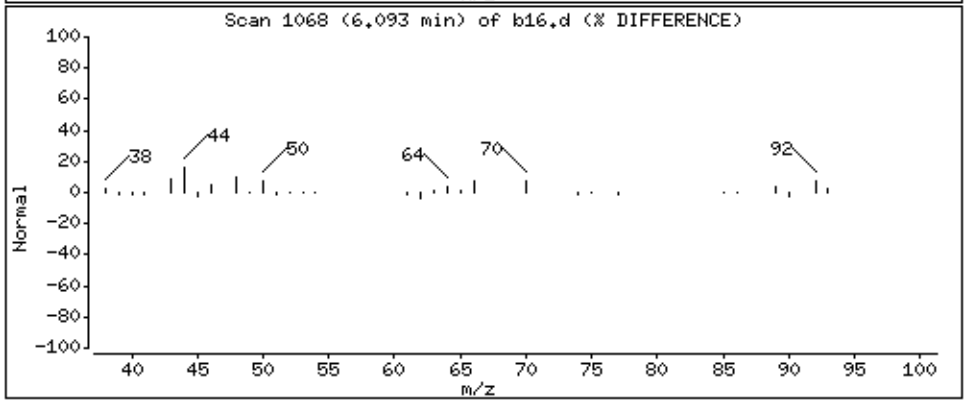
Concentration: 0.456 ppb

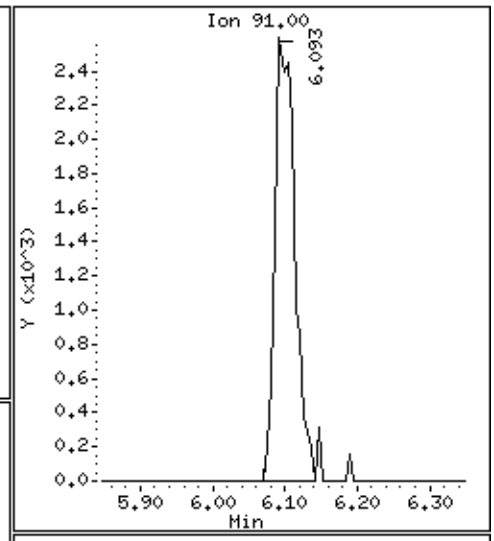
Review Code:

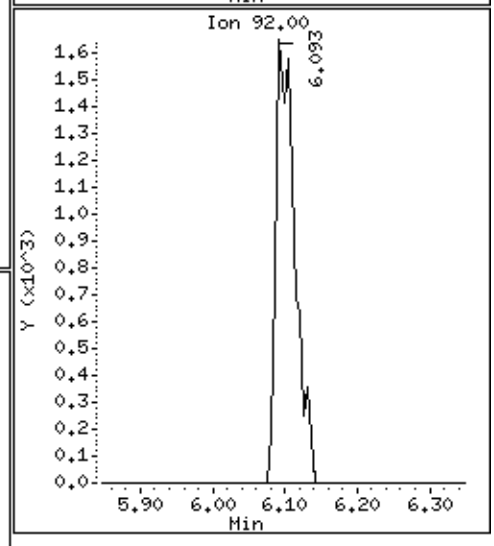












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b16.d
Injection Date: 06-OCT-2016 20:45
Instrument: 50mv3b.i
Lab Sample ID: 50155366013
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0501-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 21:17 Lab Sample ID: 50155366014

Date Analyzed: 10/06/2016 21:17 Lab File ID: B100616.B\B17.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	180	
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	6.8	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0501-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 21:17 Lab Sample ID: 50155366014

Date Analyzed: 10/06/2016 21:17 Lab File ID: B100616.B\B17.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b17.d
Lab Smp Id: 50155366014 Client Smp ID: MW-0501-S1(092716)P
Inj Date : 06-OCT-2016 21:17
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366014
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 36
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

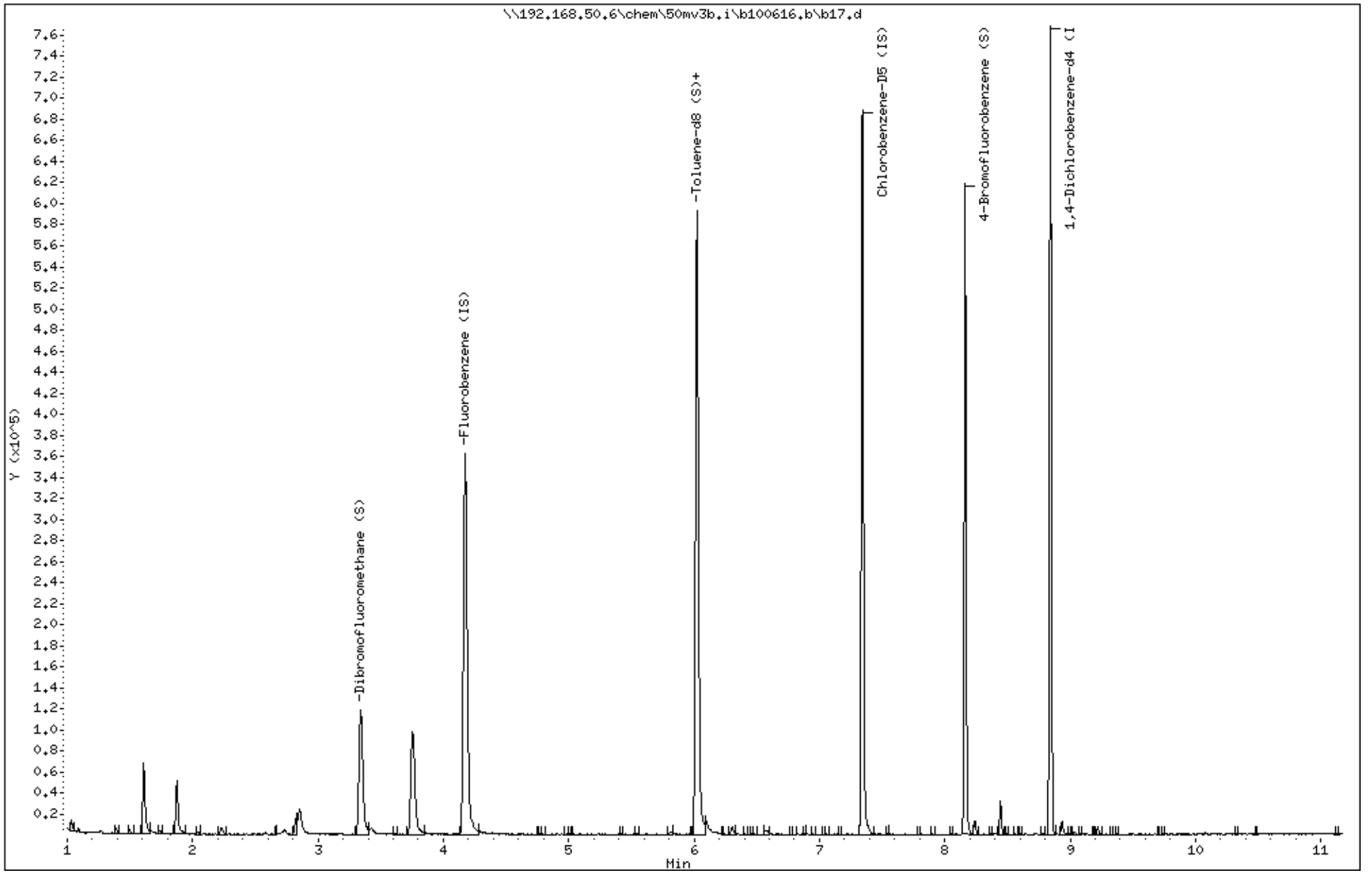
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.611	1.610	(0.386)	61475	180.382	180	
	18 Methylene Chloride	84	1.872	1.872	(0.449)	16561	6.80101	6.80	
	28 1,2-Dichloroethene (cis)	96	2.823	2.823	(0.676)	4678	2.33156	2.33	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	83520	49.2091	49.2	
*	44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	368640	50.0000		
$	55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	376176	45.6637	45.7	
	56 Toluene	91	6.108	6.097	(0.831)	4558	0.44514	0.445	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	278858	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	130331	50.2603	50.3	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	131719	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b17.d
Date : 06-OCT-2016 21:17
Client ID: MW-0501-S1(092716)P
Instrument: 50mv3b.i
Sample Info: 50155366014
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b17.d

Date : 06-OCT-2016 21:17

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366014

Purge Volume: 5.0

Operator: jlz

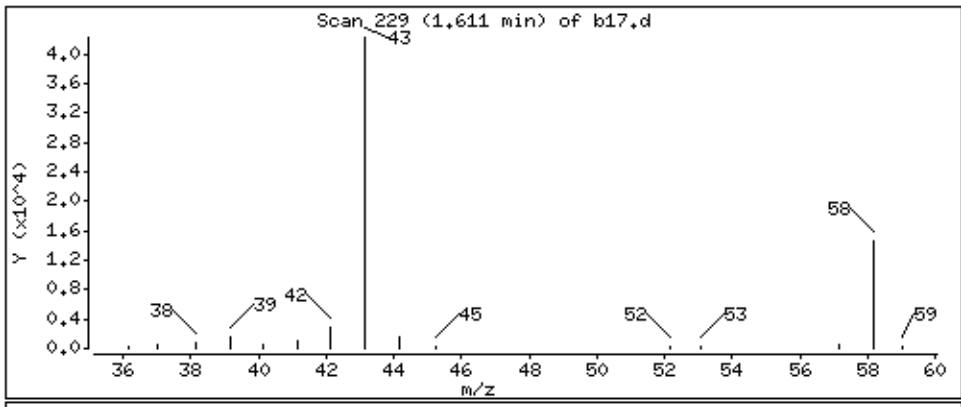
Column phase: DB-624

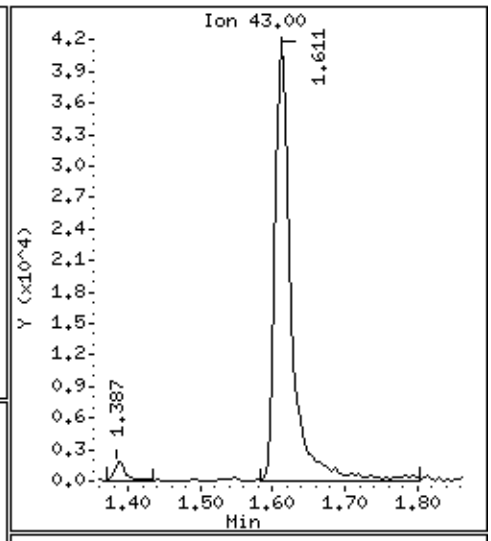
Column diameter: 0.18

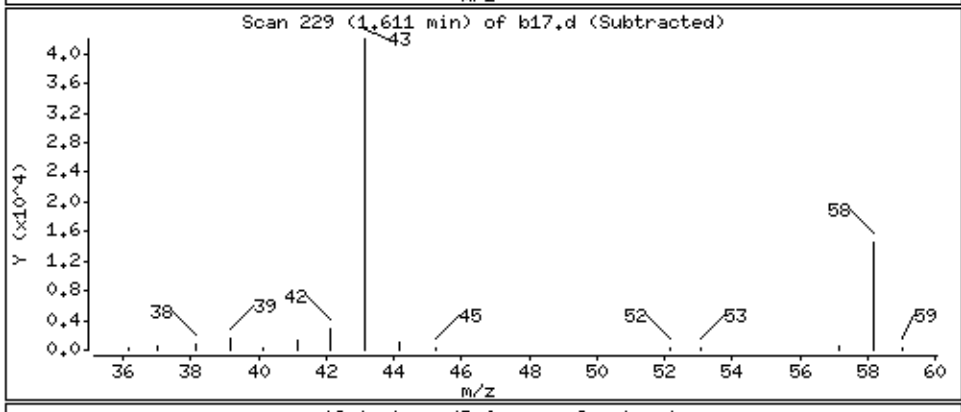
12 Acetone

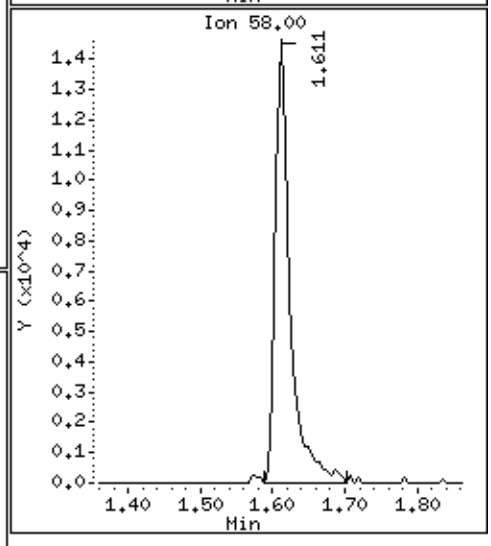
Concentration: 180 ppb

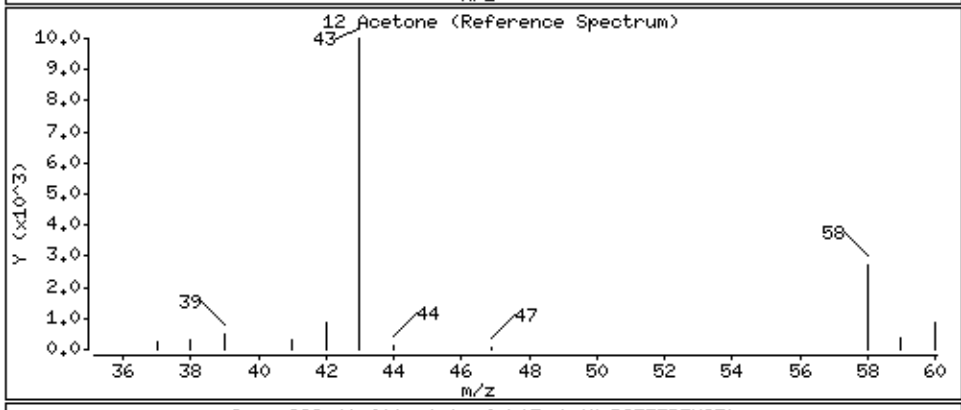
Review Code:

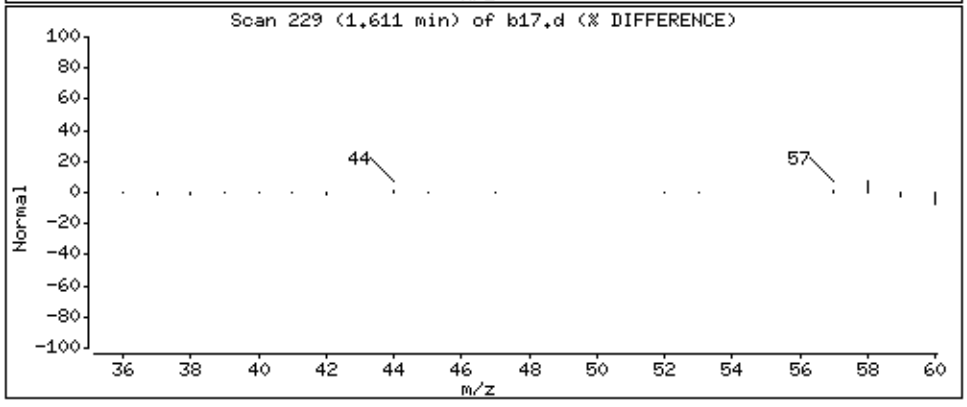












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b17.d

Date : 06-OCT-2016 21:17

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366014

Purge Volume: 5.0

Operator: jlz

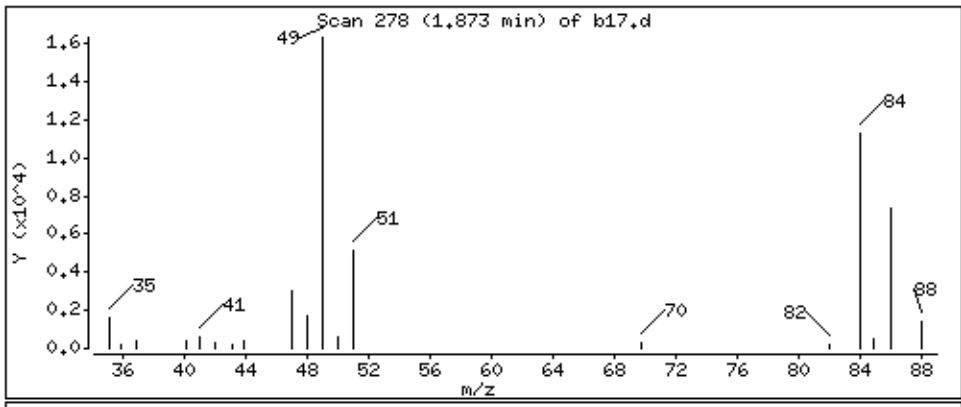
Column phase: DB-624

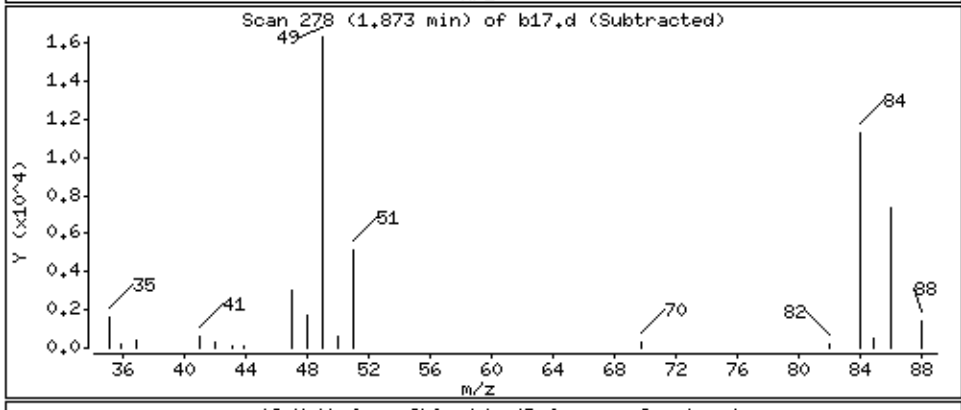
Column diameter: 0.18

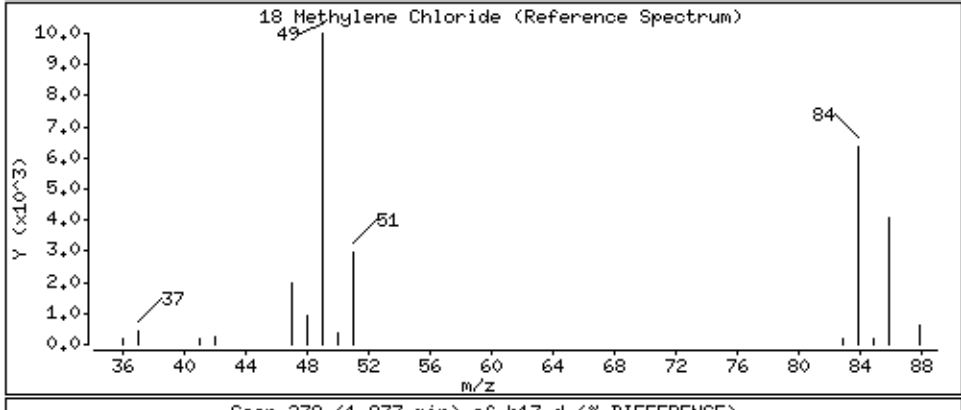
18 Methylene Chloride

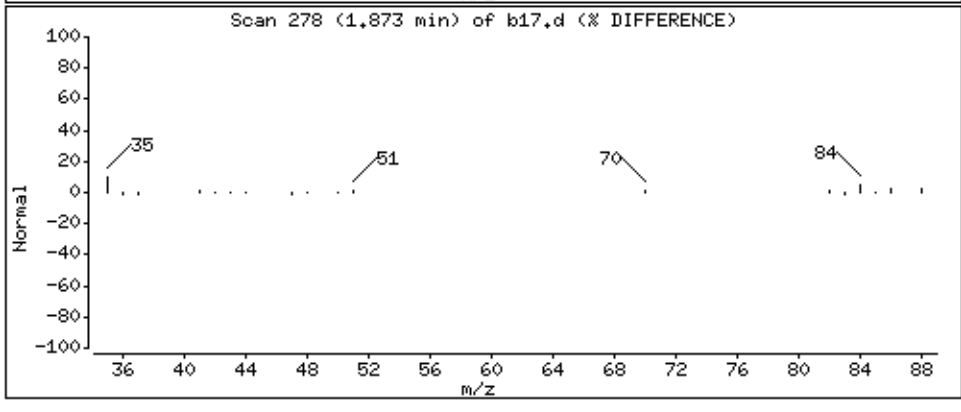
Concentration: 6.80 ppb

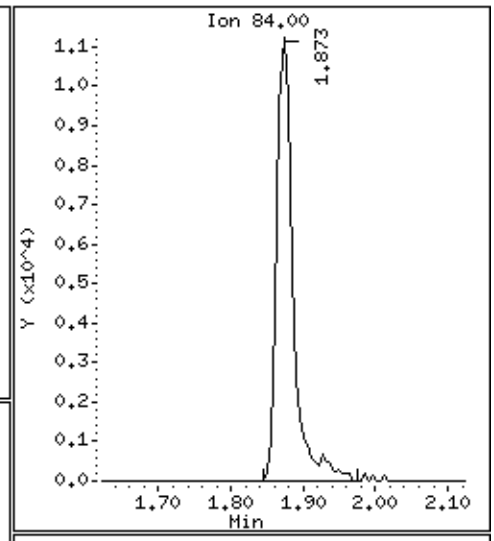
Review Code:

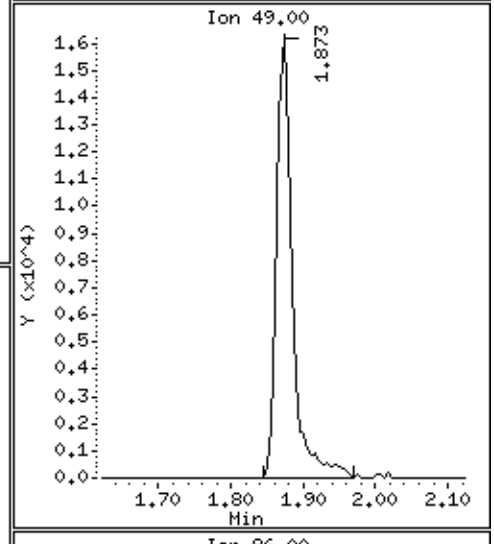


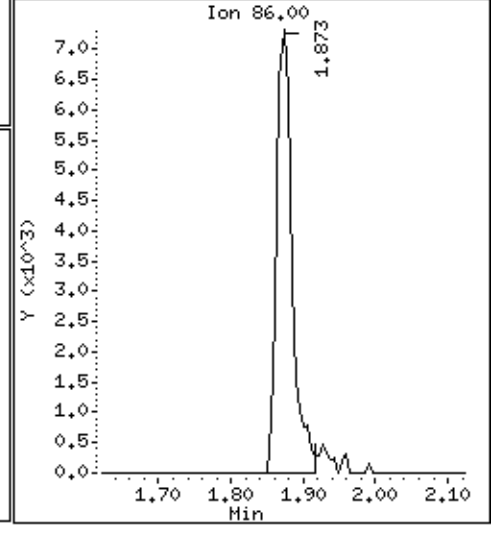












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b17.d

Date : 06-OCT-2016 21:17

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366014

Purge Volume: 5.0

Operator: jlz

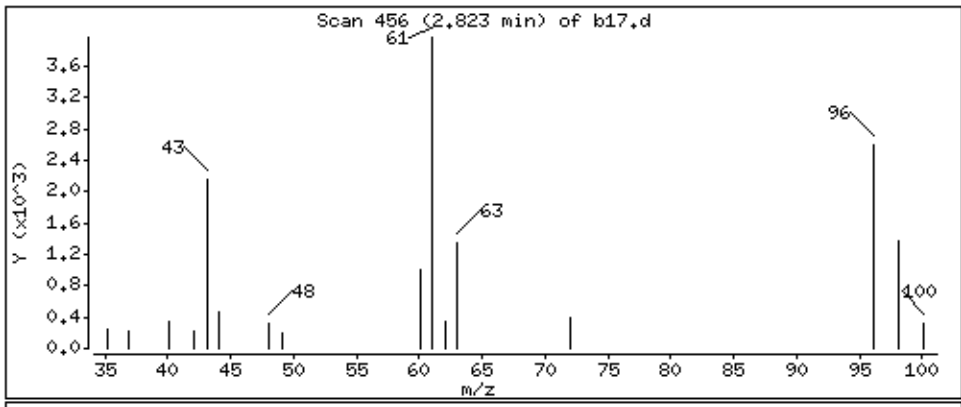
Column phase: DB-624

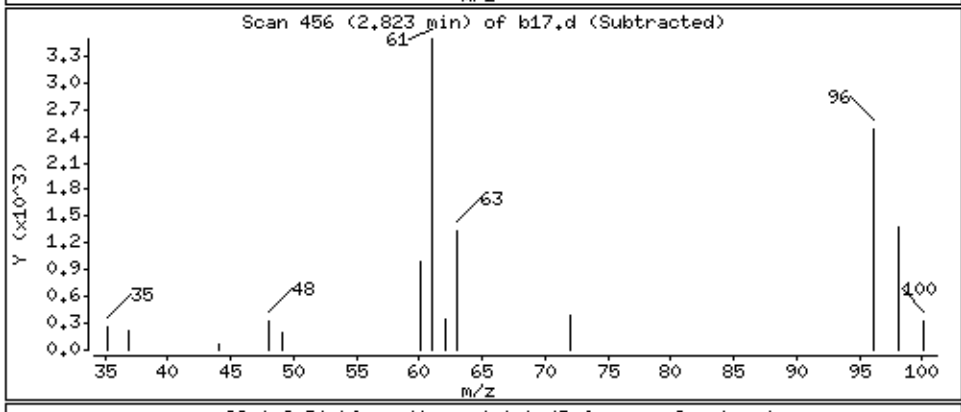
Column diameter: 0.18

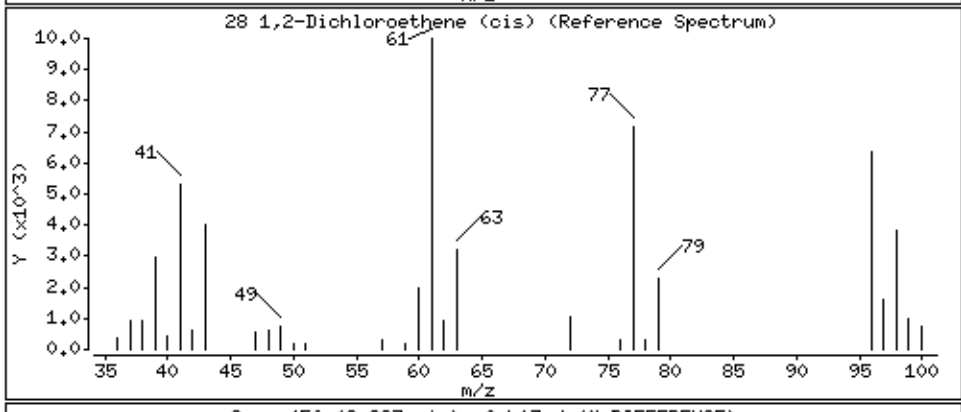
28 1,2-Dichloroethene (cis)

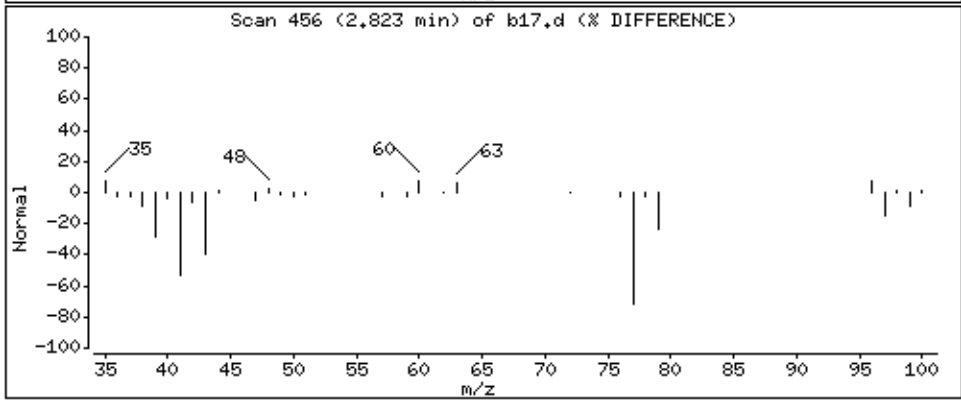
Concentration: 2.33 ppb

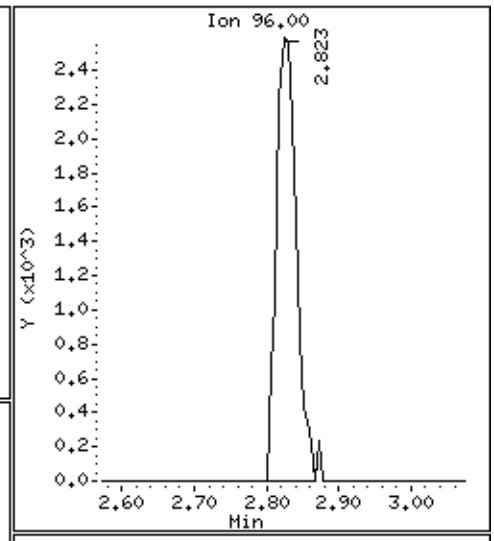
Review Code:

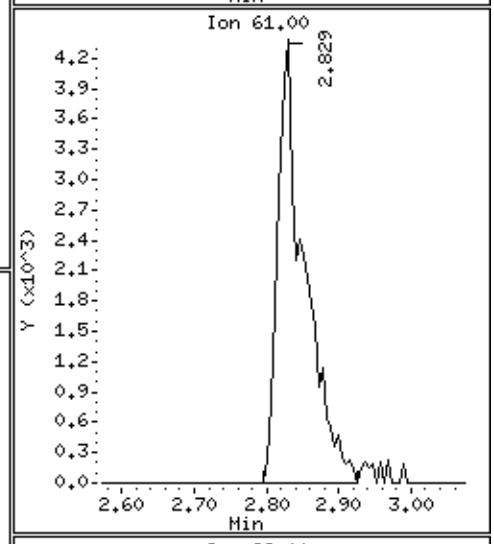


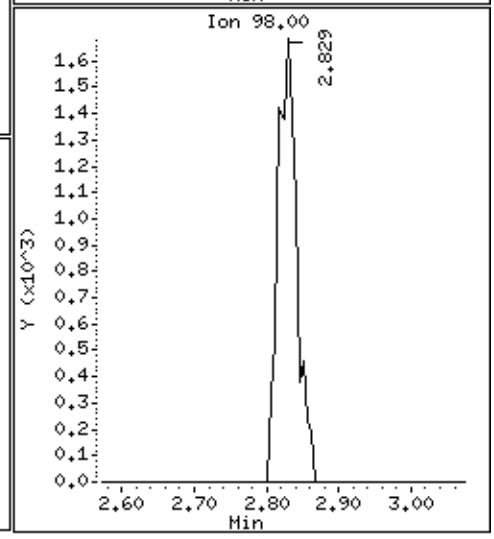












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b17.d

Date : 06-OCT-2016 21:17

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366014

Purge Volume: 5.0

Operator: jlz

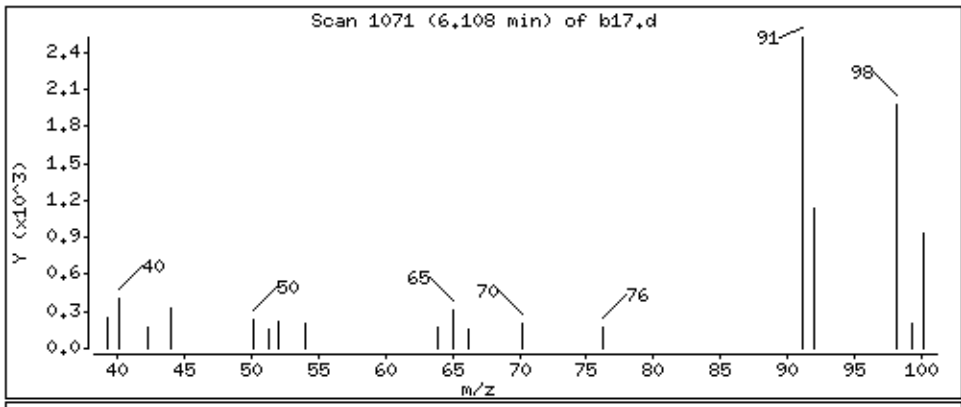
Column phase: DB-624

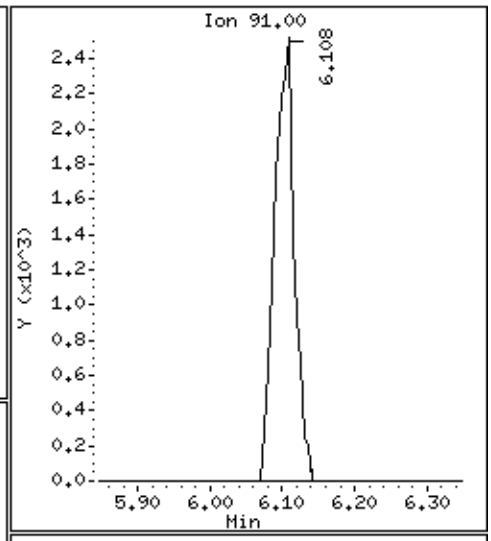
Column diameter: 0.18

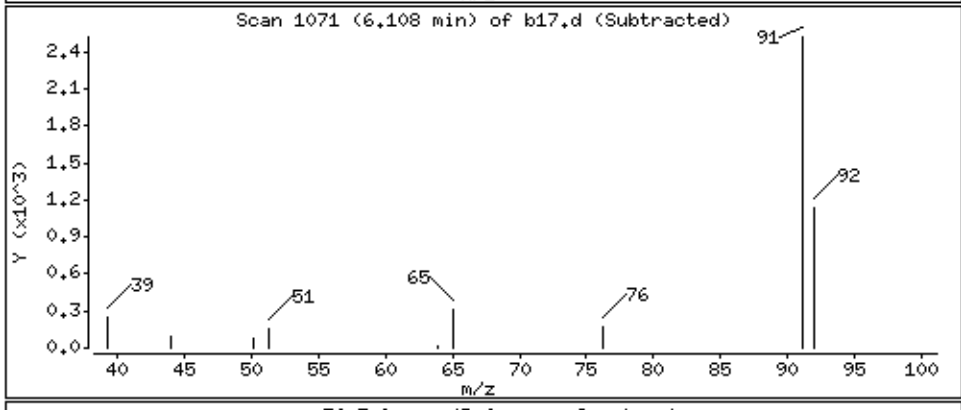
56 Toluene

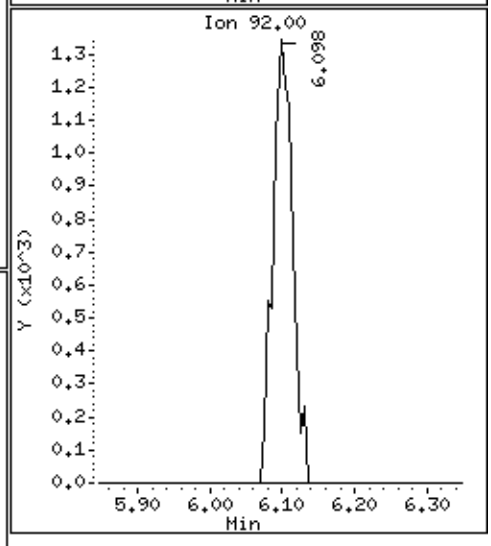
Concentration: 0.445 ppb

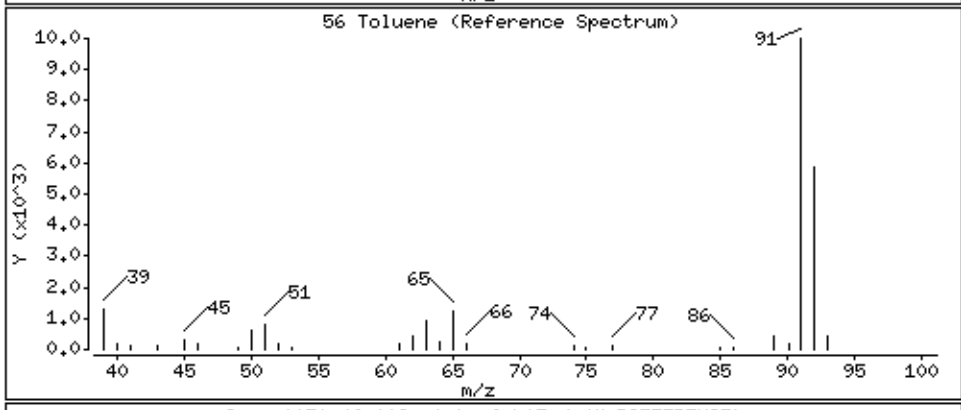
Review Code:

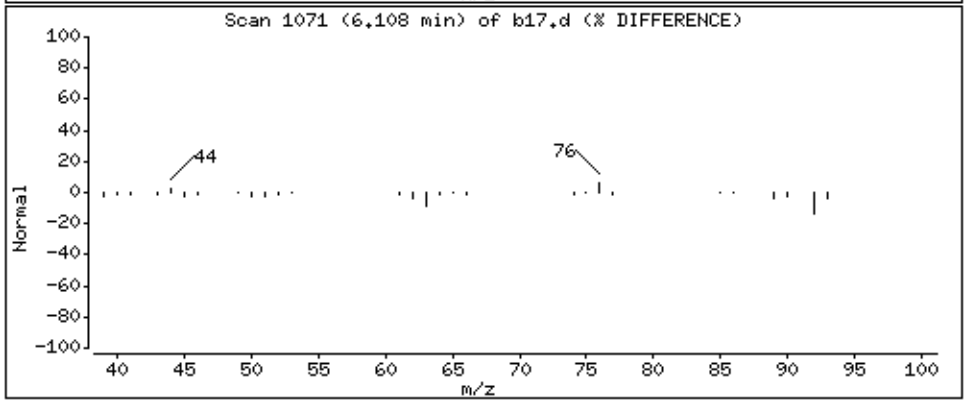












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b17.d
Injection Date: 06-OCT-2016 21:17
Instrument: 50mv3b.i
Lab Sample ID: 50155366014
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0509-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 21:49 Lab Sample ID: 50155366015

Date Analyzed: 10/06/2016 21:49 Lab File ID: B100616.B\B18.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	6.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0509-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 21:49 Lab Sample ID: 50155366015

Date Analyzed: 10/06/2016 21:49 Lab File ID: B100616.B\B18.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b18.d
Lab Smp Id: 50155366015 Client Smp ID: MW-0509-S1(092716)P
Inj Date : 06-OCT-2016 21:49
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366015
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 38
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

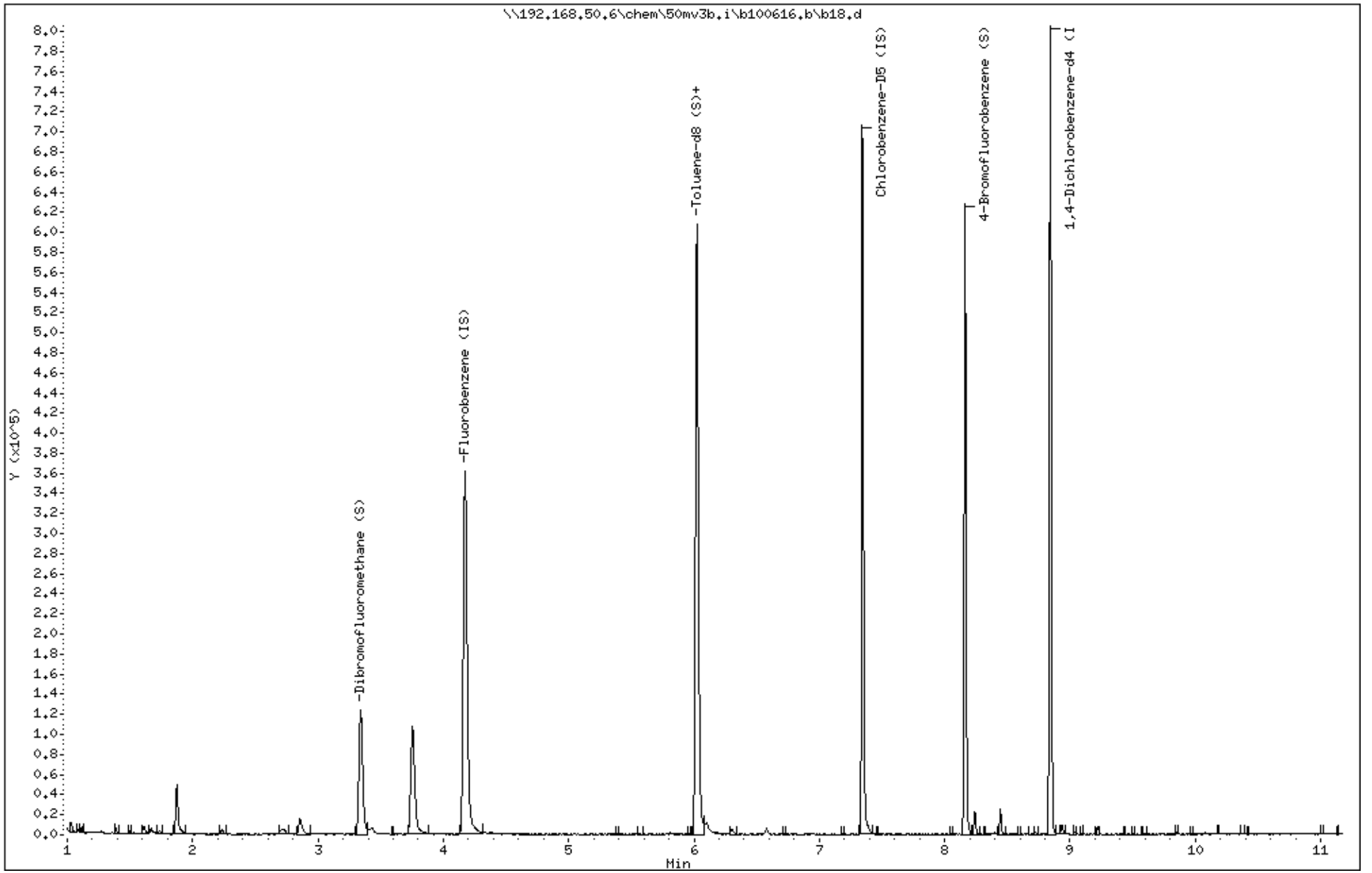
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	12 Acetone	43	1.611	1.610	(0.386)	7554	21.4783	21.5	
	18 Methylene Chloride	84	1.873	1.872	(0.449)	15823	6.10661	6.11	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	86967	49.6521	49.6	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	380429	50.0000		
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	382229	46.1318	46.1	
	56 Toluene	91	6.098	6.097	(0.831)	3892	0.37791	0.378	
*	65 Chlorobenzene-D5 (IS)	117	7.342	7.347	(1.000)	280470	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.112)	134206	51.4572	51.4	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.842	(1.000)	136285	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b18.d
Date : 06-OCT-2016 21:49
Client ID: MW-0509-S1(092716)P
Instrument: 50mv3b.i
Sample Info: 50155366015
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 06-OCT-2016 21:49

Client ID: MW-0509-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366015

Purge Volume: 5.0

Operator: jlz

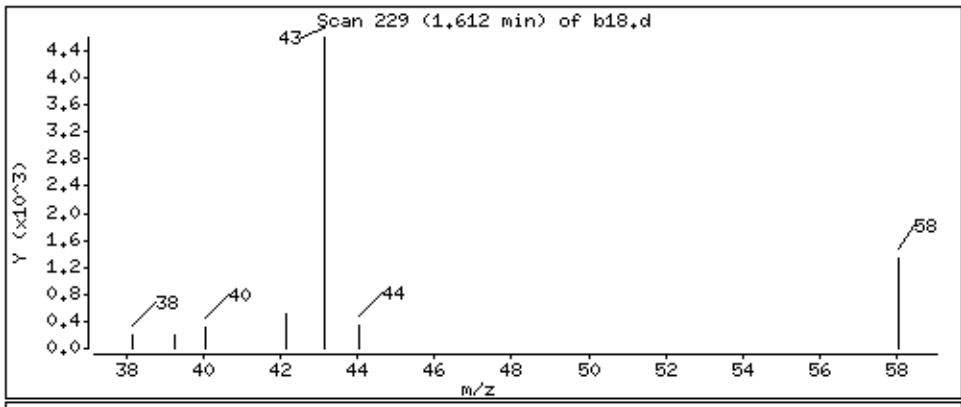
Column phase: DB-624

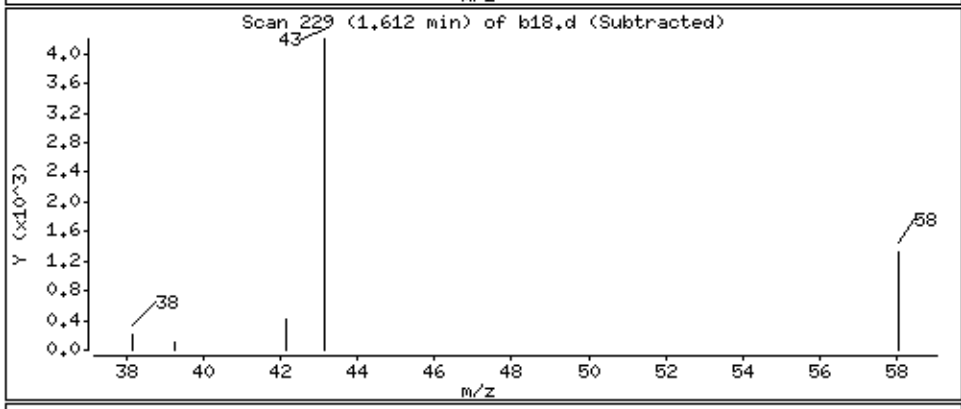
Column diameter: 0.18

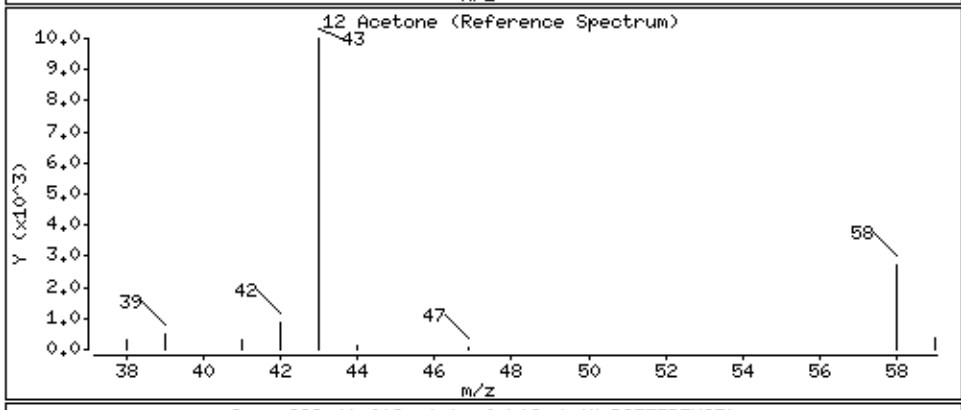
12 Acetone

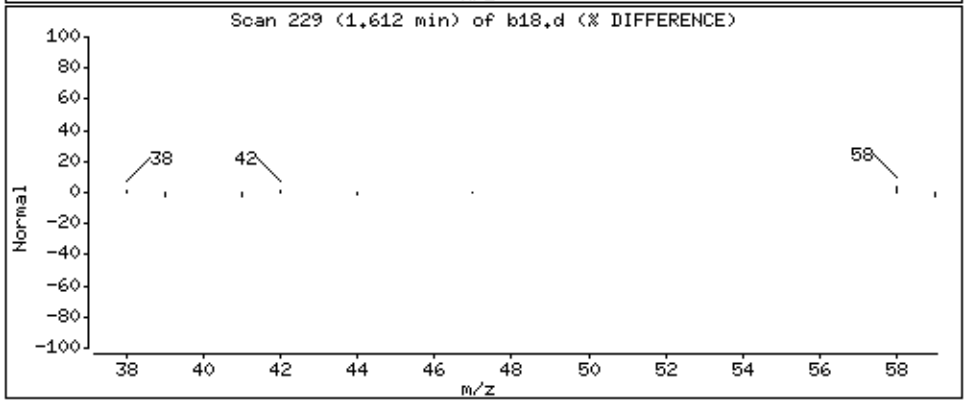
Concentration: 21.5 ppb

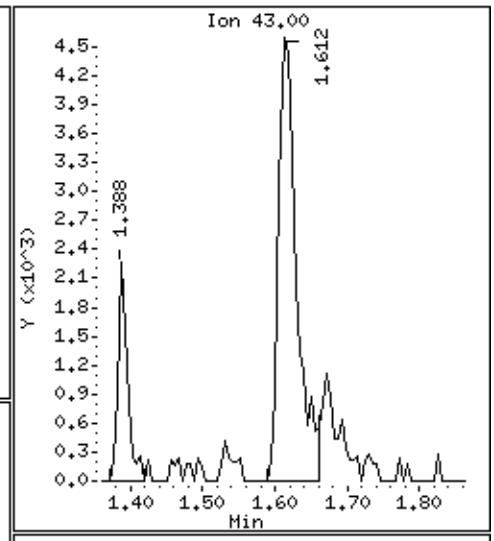
Review Code:

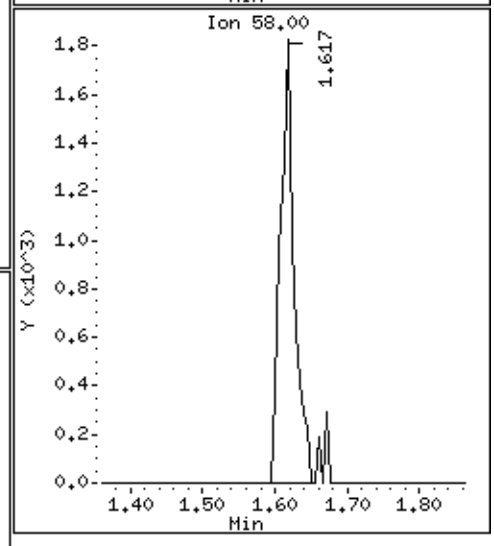












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b18.d

Date : 06-OCT-2016 21:49

Client ID: MW-0509-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366015

Purge Volume: 5.0

Operator: jlz

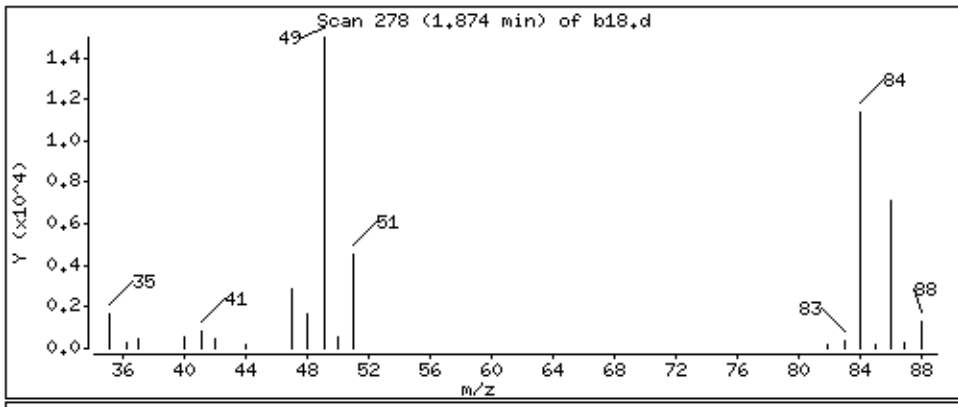
Column phase: DB-624

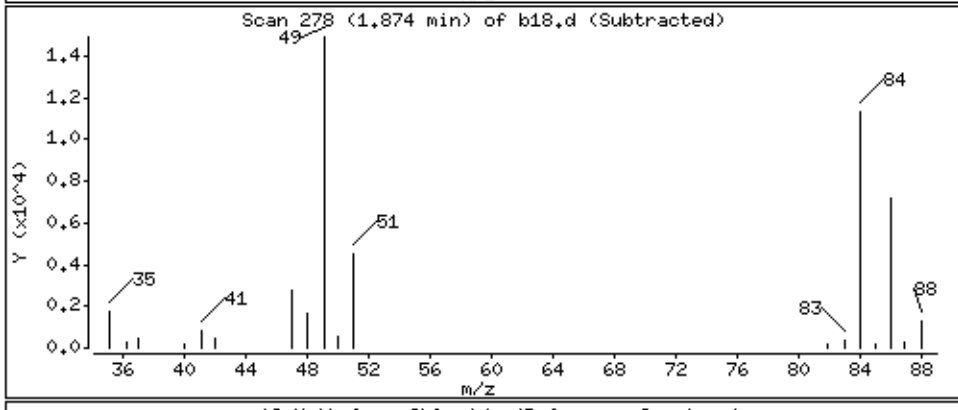
Column diameter: 0.18

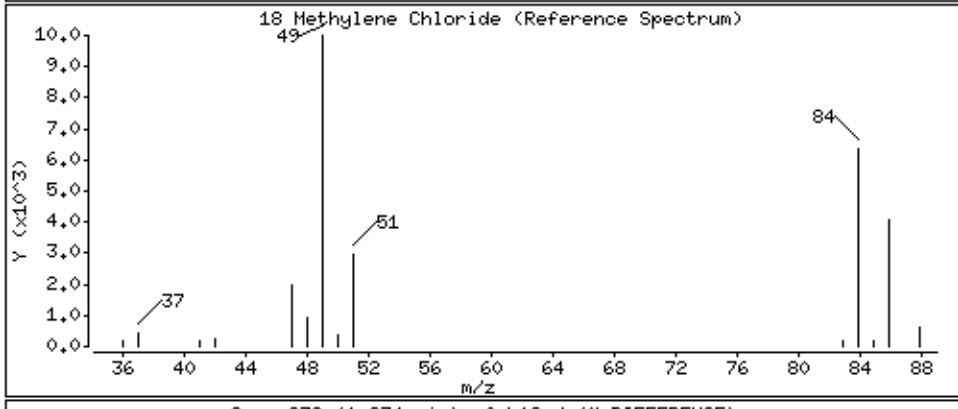
18 Methylene Chloride

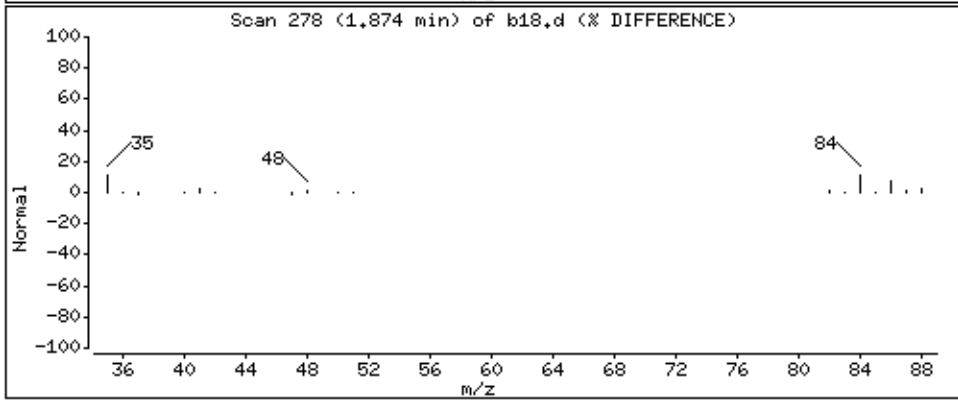
Concentration: 6.11 ppb

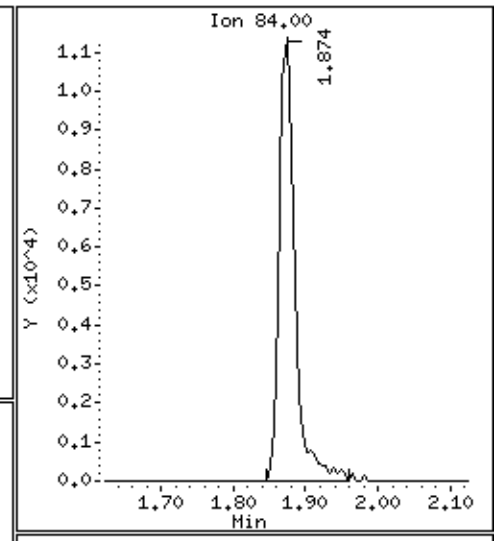
Review Code:

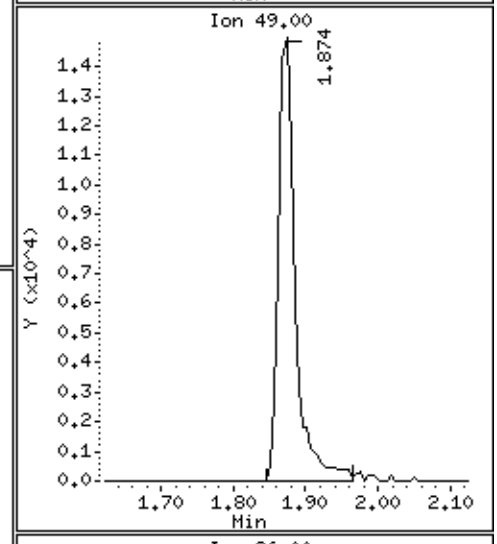


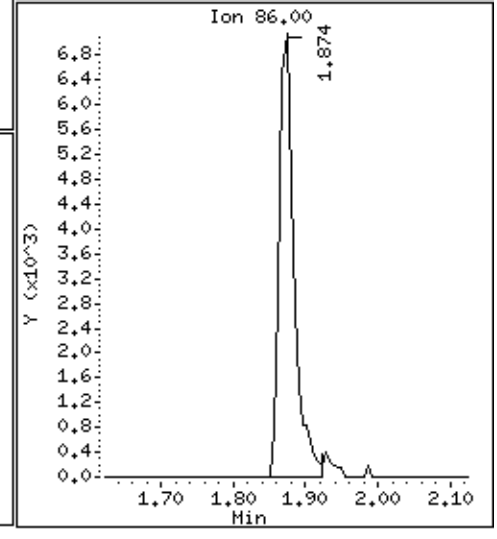












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b18.d

Date : 06-OCT-2016 21:49

Client ID: MW-0509-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366015

Purge Volume: 5.0

Operator: jlz

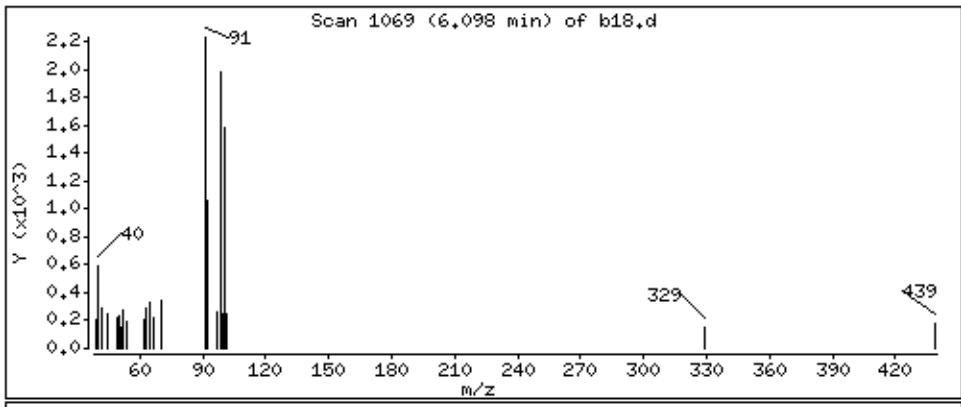
Column phase: DB-624

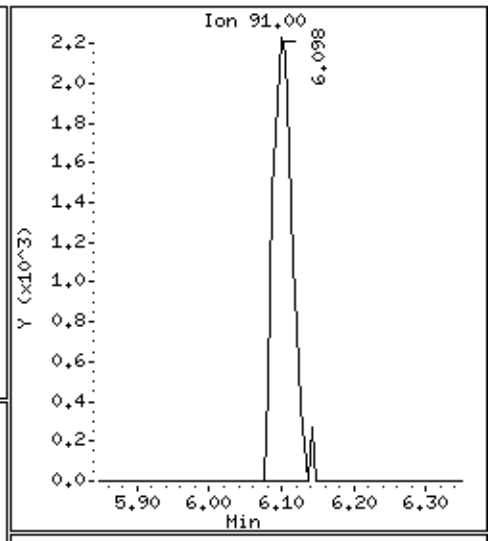
Column diameter: 0.18

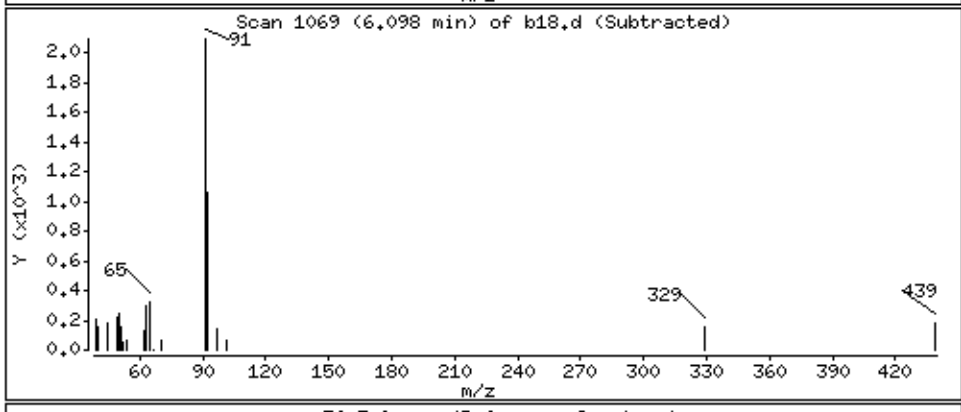
56 Toluene

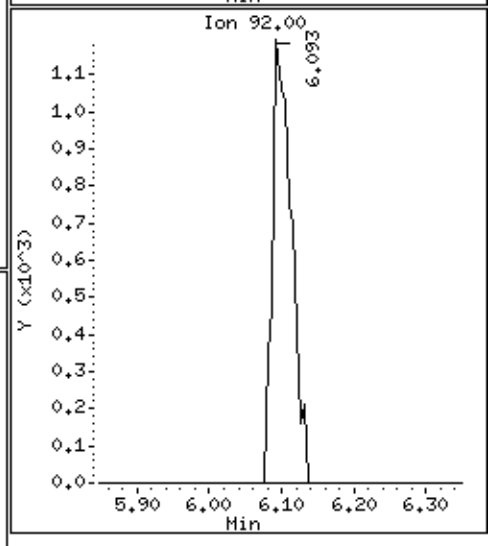
Concentration: 0.378 ppb

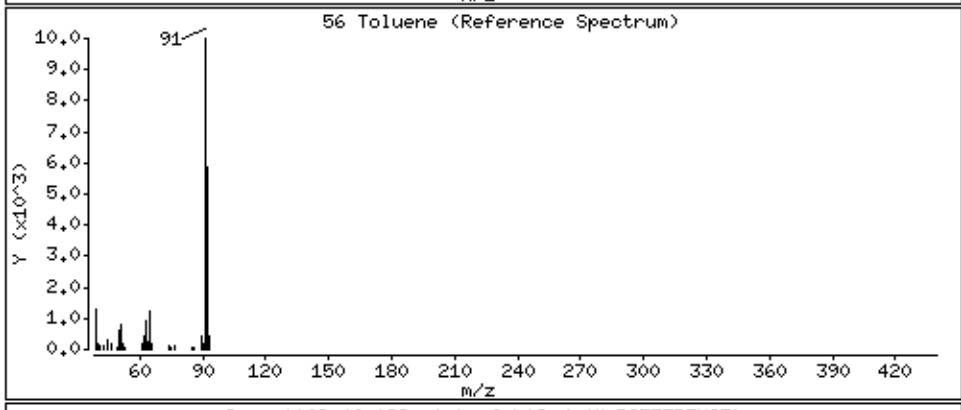
Review Code:

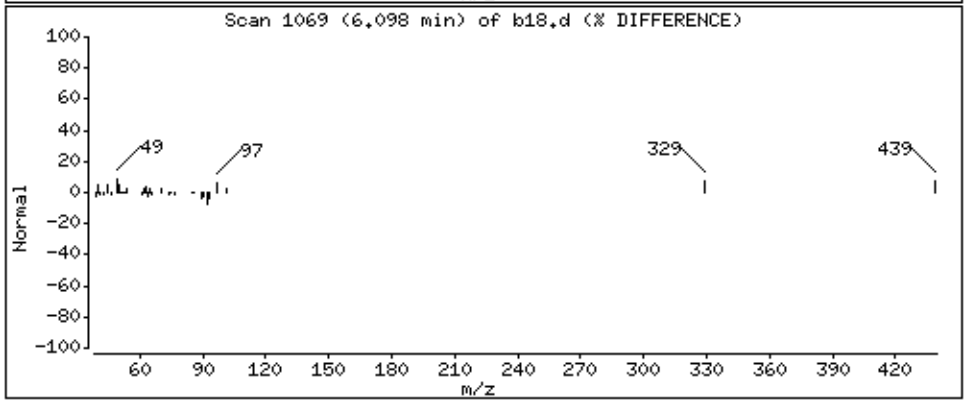












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b18.d
Injection Date: 06-OCT-2016 21:49
Instrument: 50mv3b.i
Lab Sample ID: 50155366015
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0102-S1U(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 03:40 Lab Sample ID: 50155366016

Date Analyzed: 10/11/2016 03:40 Lab File ID: A101016.B\C12.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 20 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-01-6	Trichloroethene	5060	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d
Lab Smp Id: 50155366016 Client Smp ID: MW-0102-S1U(092716)
Inj Date : 11-OCT-2016 03:40
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366016x20
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 71
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
3 Vinyl Chloride	62	1.036	1.035	(0.249)	4025	1.46181	29.2	
18 Methylene Chloride	84	1.863	1.862	(0.447)	20109	8.03853	161	
22 1,2-Dichloroethene (trans)	96	2.040	2.039	(0.490)	14002	6.70143	134	
28 1,2-Dichloroethene (cis)	96	2.814	2.813	(0.676)	167370	74.7686	1500(Q)	
$ 35 Dibromofluoromethane (S)	113	3.332	3.331	(0.800)	91316	48.2650	48.3	
* 45 Fluorobenzene (IS)	96	4.165	4.164	(1.000)	418408	50.0000		
46 Trichloroethene	95	4.619	4.618	(1.109)	551699	253.156	5060	
$ 56 Toluene-d8 (S)	98	6.019	6.018	(0.820)	395834	47.5648	47.6	
57 Toluene	91	6.088	6.093	(0.829)	4346	0.43988	8.80	
* 66 Chlorobenzene-D5 (IS)	117	7.343	7.342	(1.000)	268390	50.0000		
$ 75 4-Bromofluorobenzene (S)	95	8.161	8.165	(1.111)	119215	49.8185	49.8	
* 89 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.838	(1.000)	114188	50.0000		

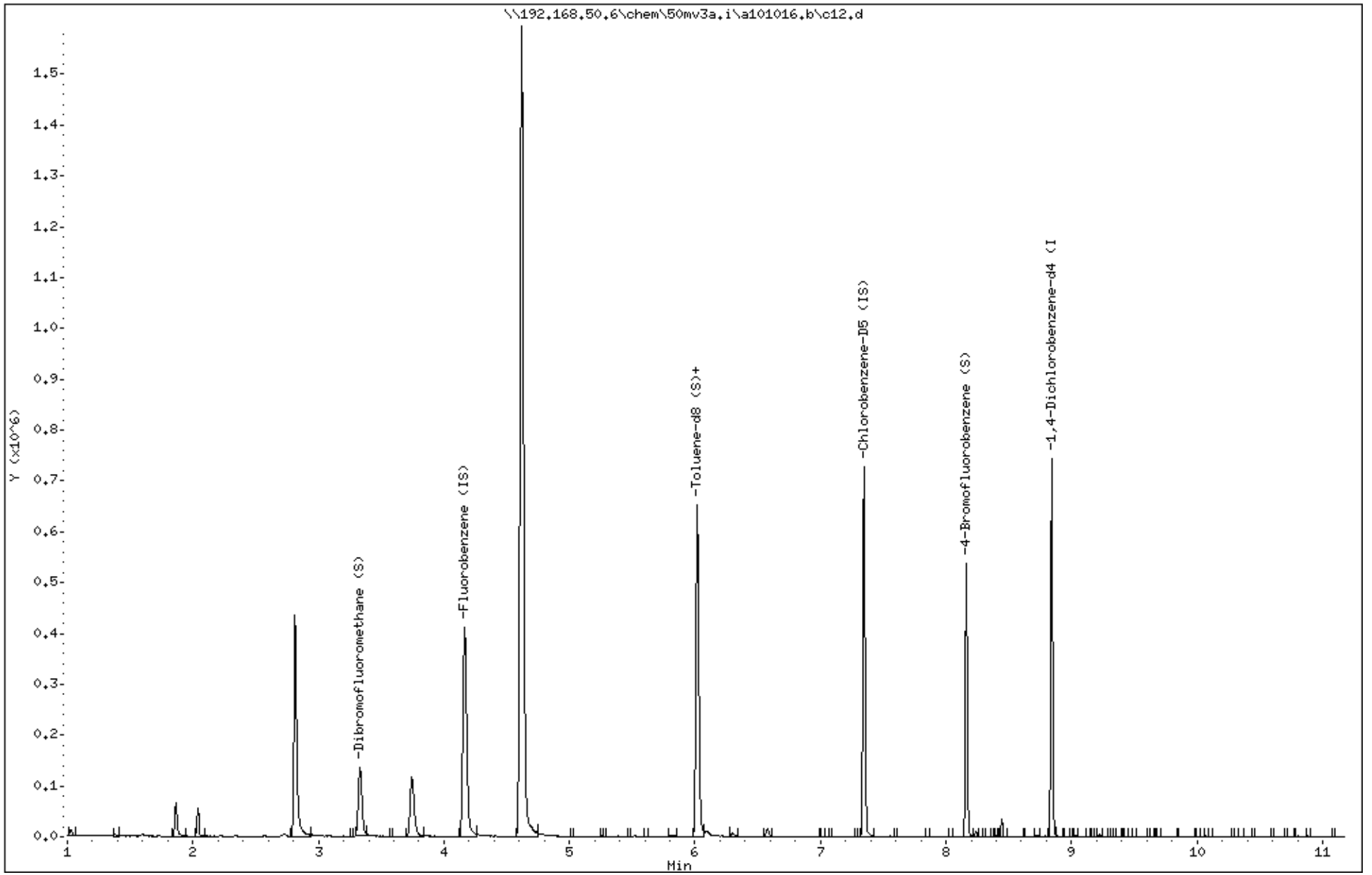
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d
Date : 11-OCT-2016 03:40
Client ID: MW-0102-S1U(092716)
Instrument: 50mv3a.i
Sample Info: 50155366016x20
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d

Date : 11-OCT-2016 03:40

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366016x20

Purge Volume: 5.0

Operator: jlz

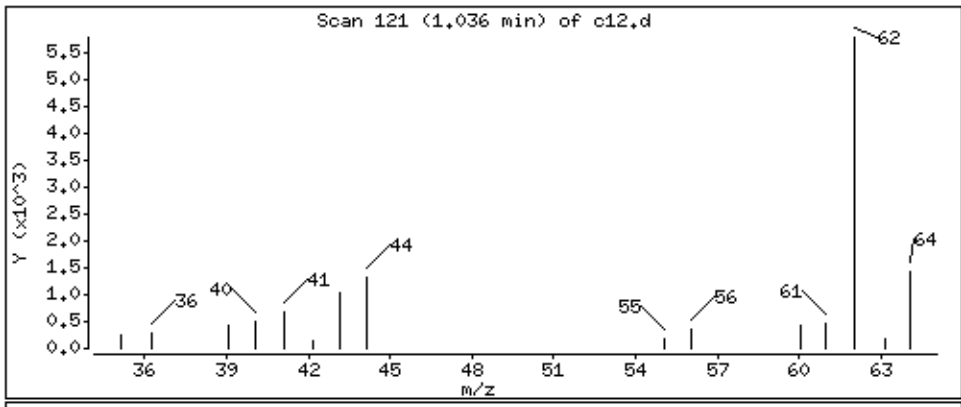
Column phase: DB-624

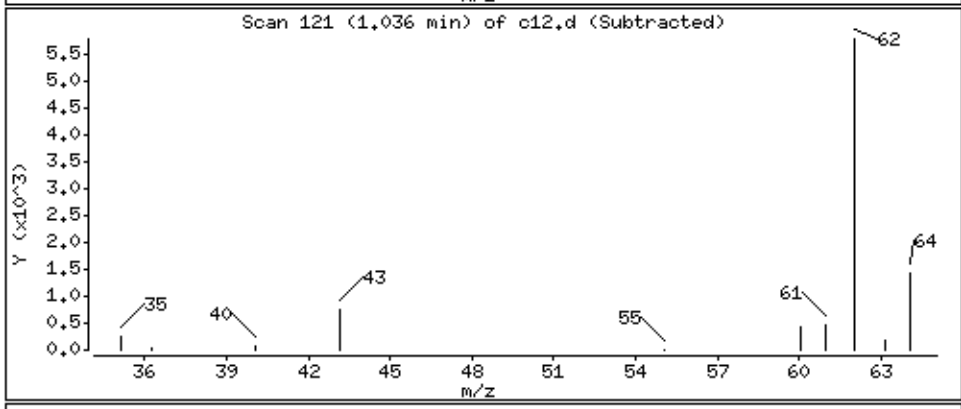
Column diameter: 0.18

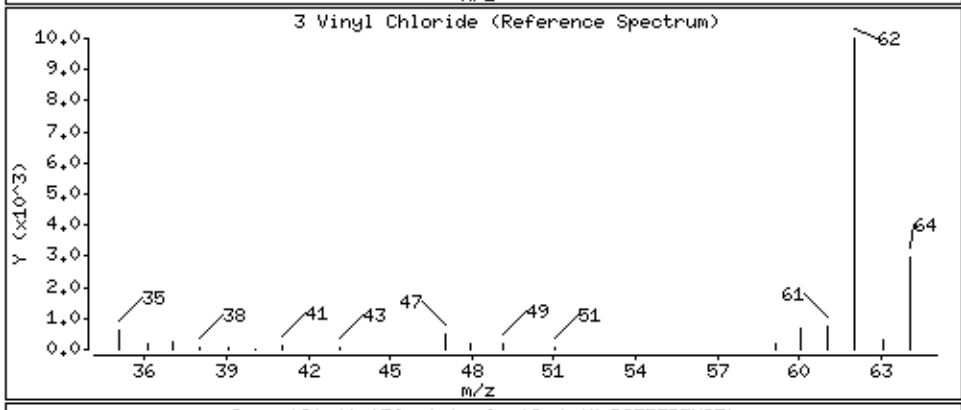
3 Vinyl Chloride

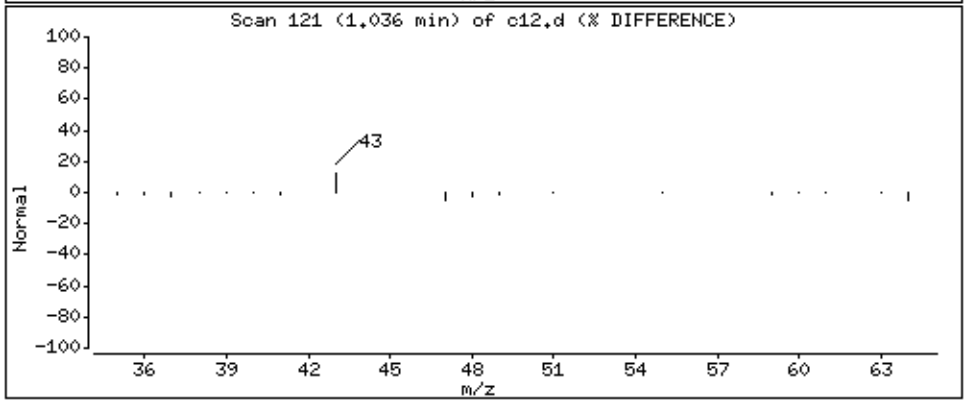
Concentration: 29.2 ppb

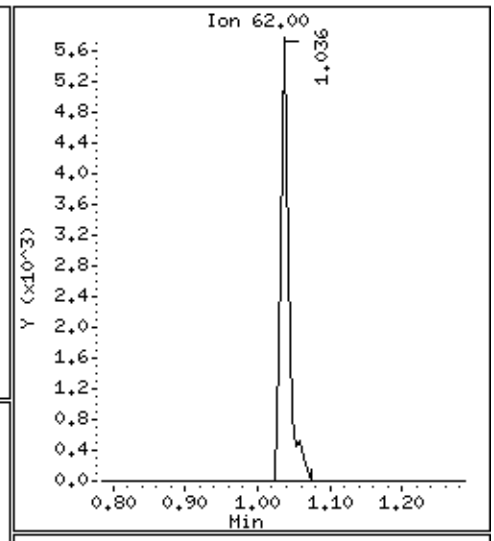
Review Code:

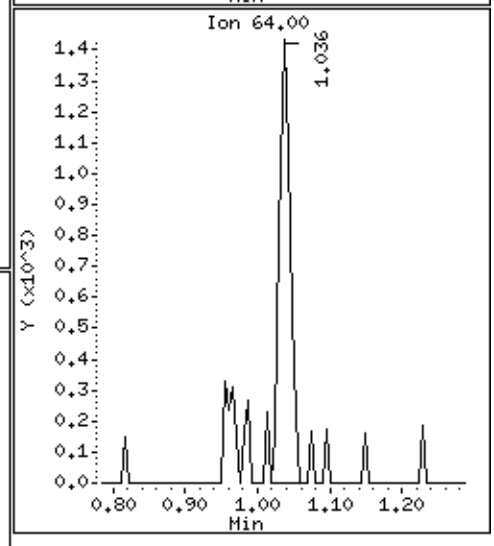












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d

Date : 11-OCT-2016 03:40

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366016x20

Purge Volume: 5.0

Operator: jlz

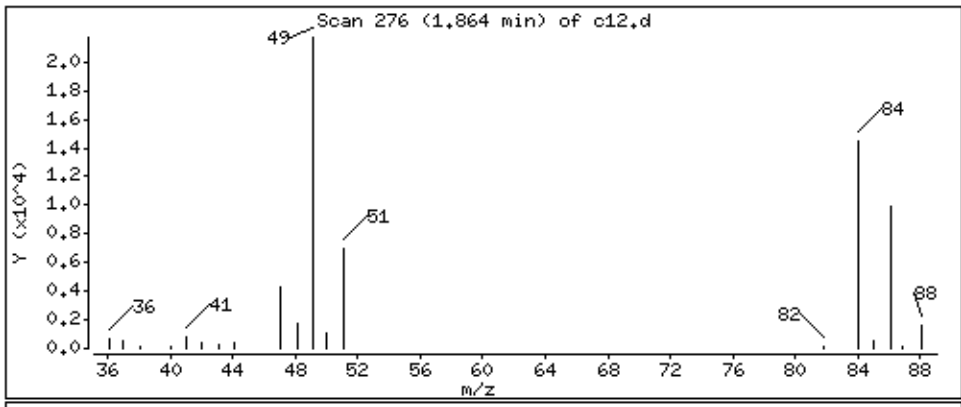
Column phase: DB-624

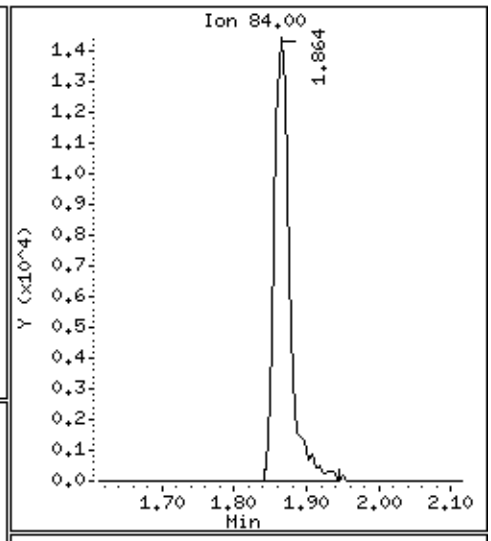
Column diameter: 0.18

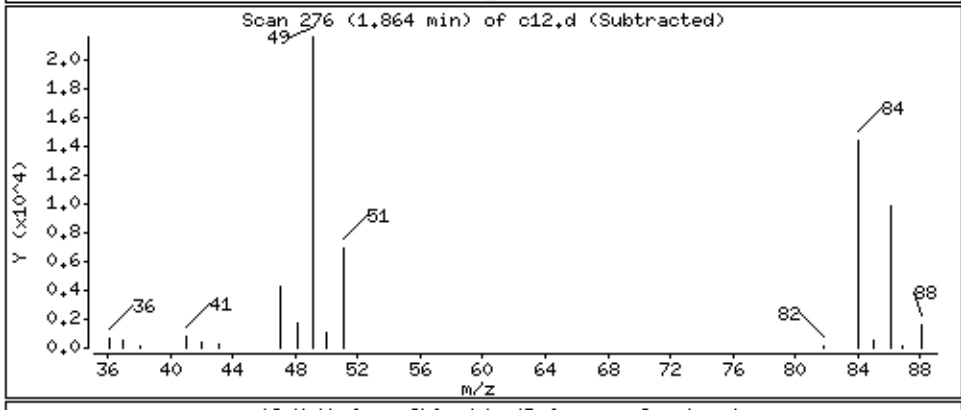
18 Methylene Chloride

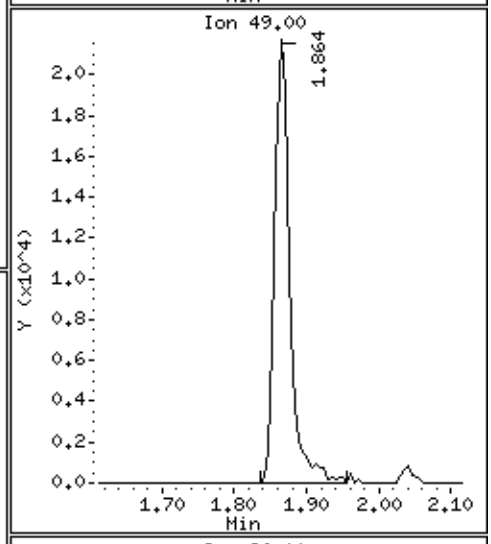
Concentration: 161 ppb

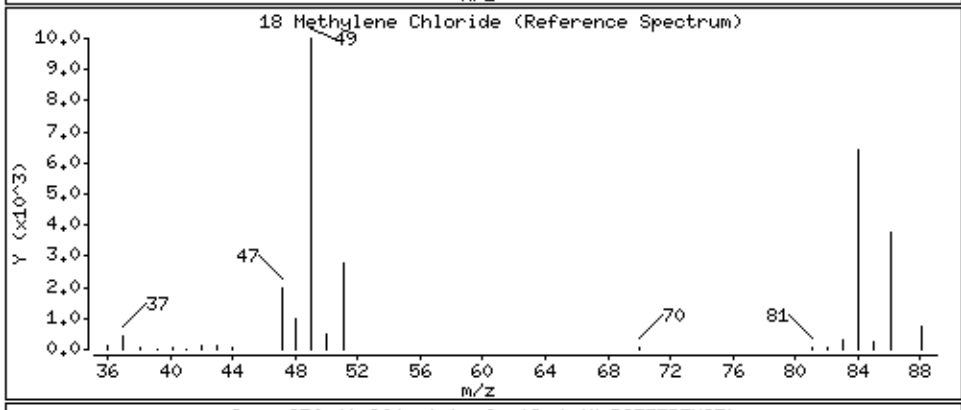
Review Code:

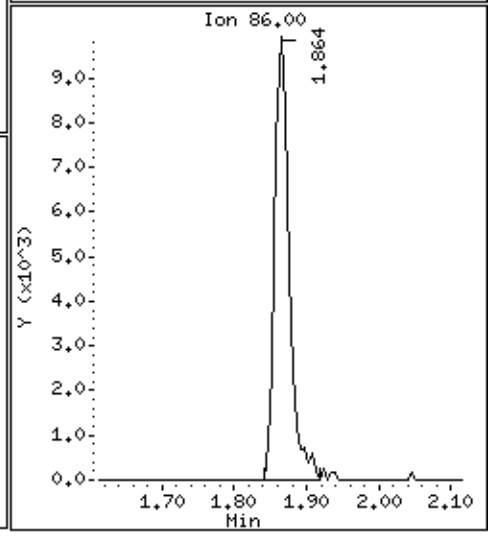


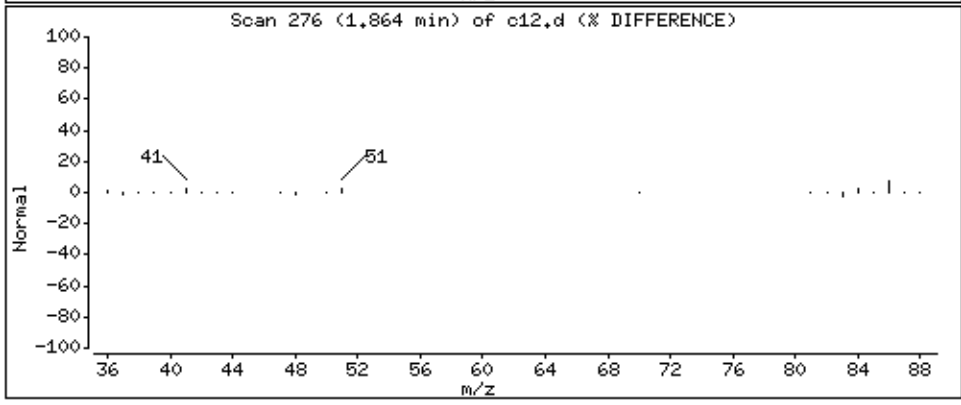












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d

Date : 11-OCT-2016 03:40

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366016x20

Purge Volume: 5.0

Operator: jlz

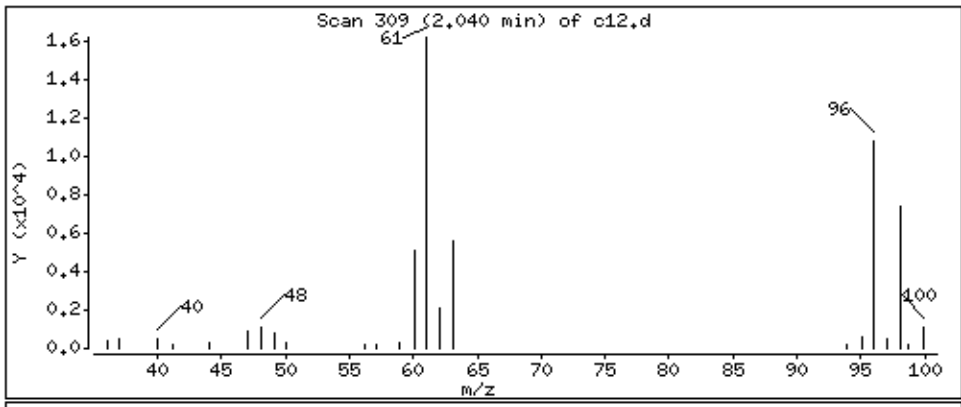
Column phase: DB-624

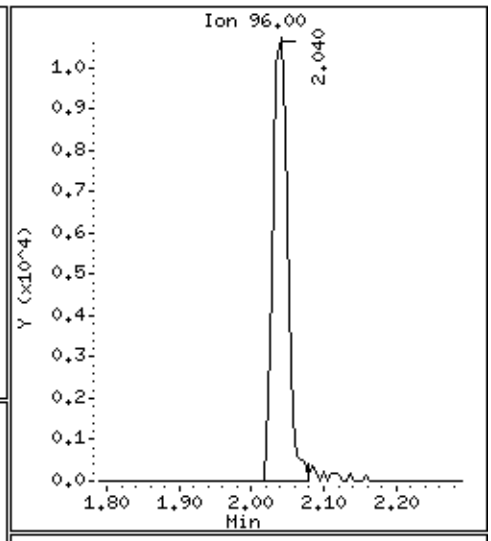
Column diameter: 0.18

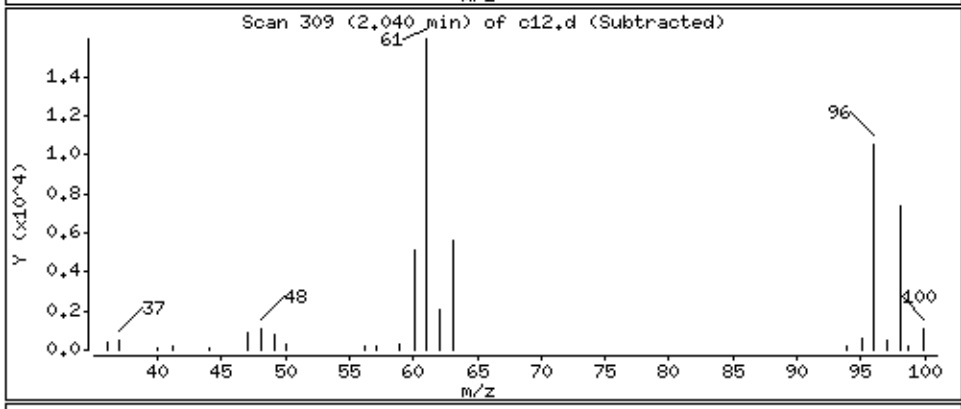
22 1,2-Dichloroethene (trans)

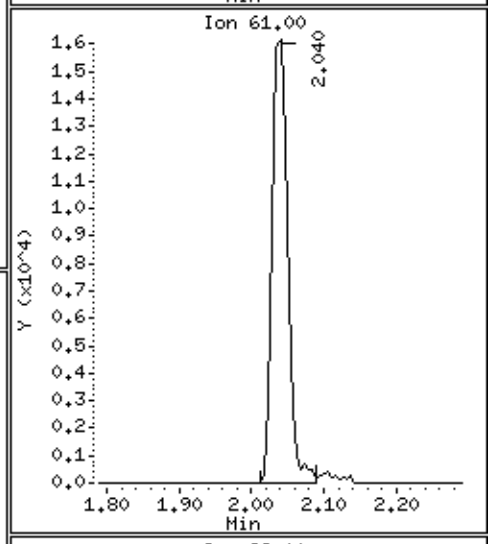
Concentration: 134 ppb

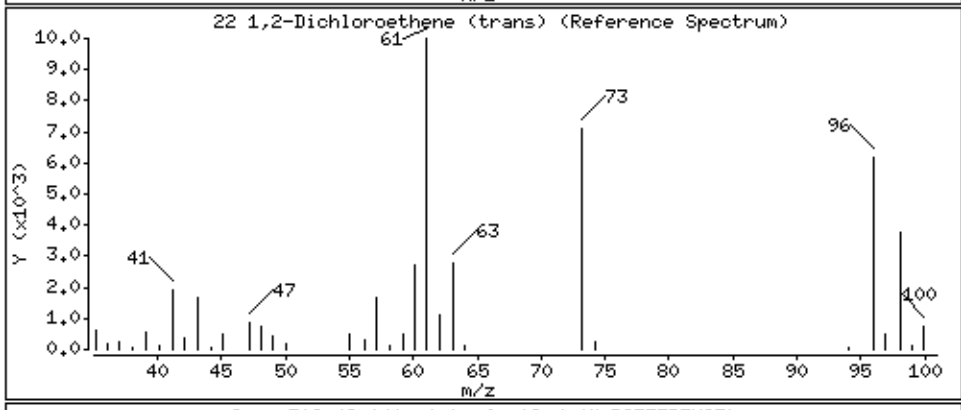
Review Code:

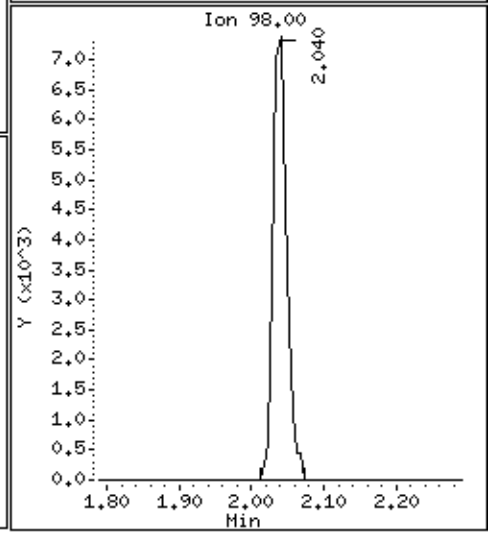


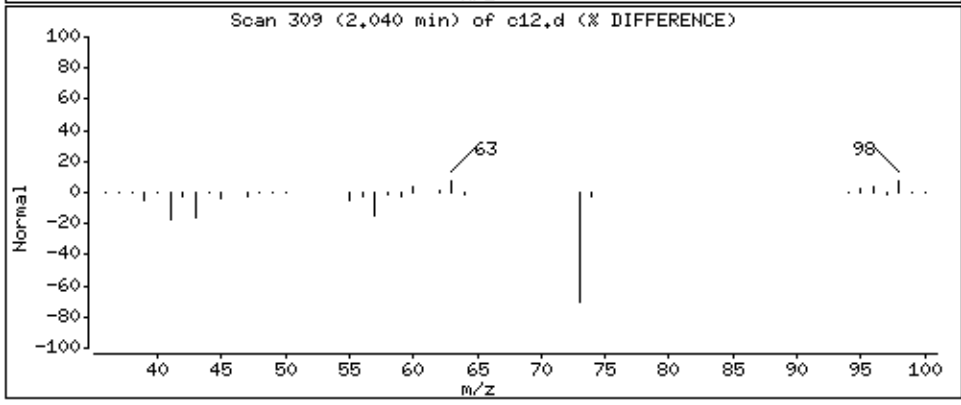












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d

Date : 11-OCT-2016 03:40

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366016x20

Purge Volume: 5.0

Operator: jlz

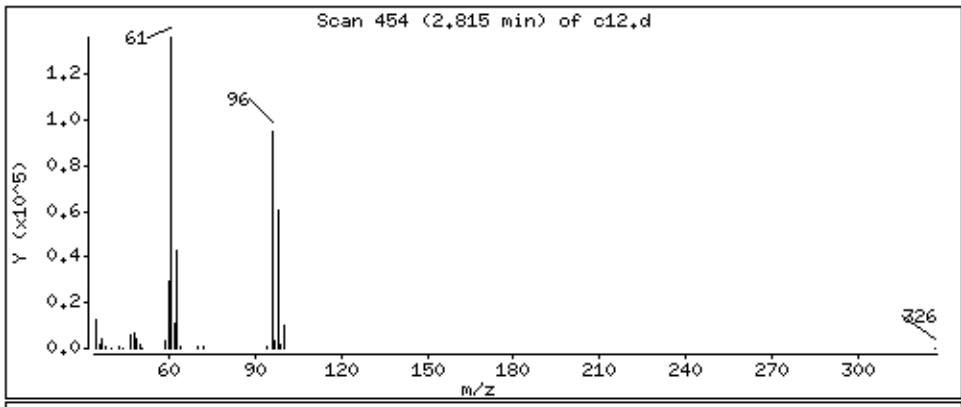
Column phase: DB-624

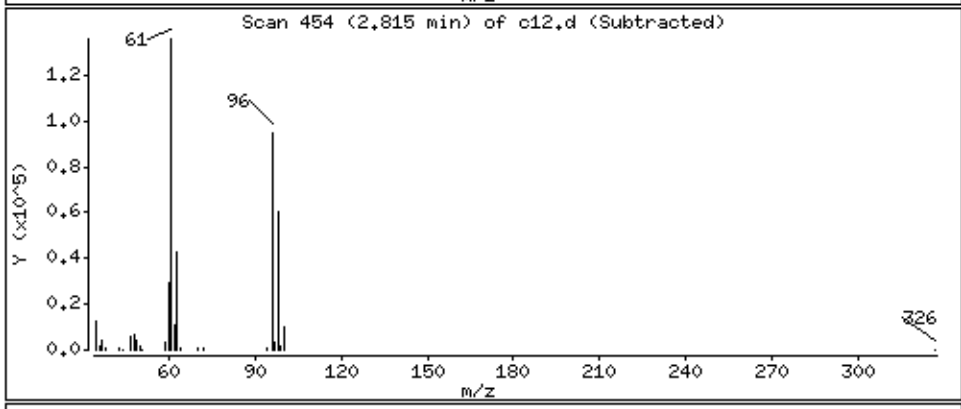
Column diameter: 0.18

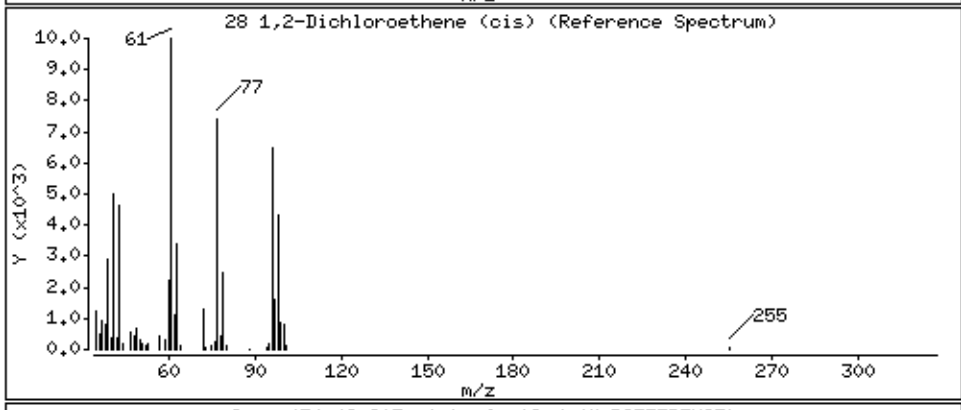
28 1,2-Dichloroethene (cis)

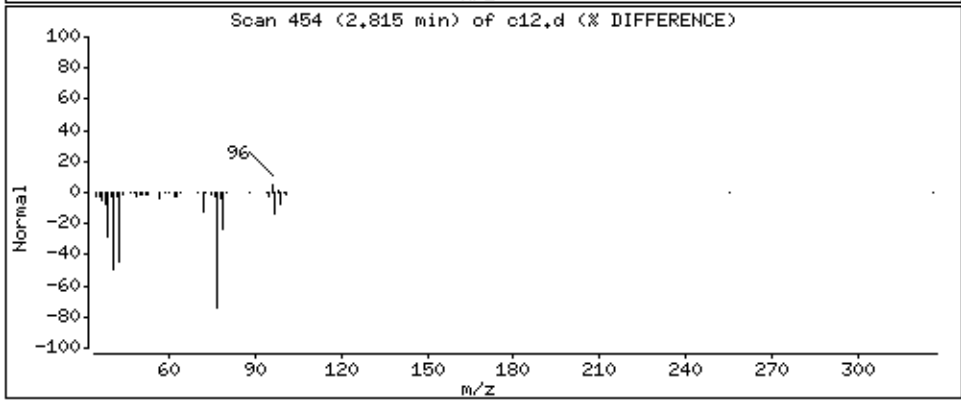
Concentration: 1500 ppb

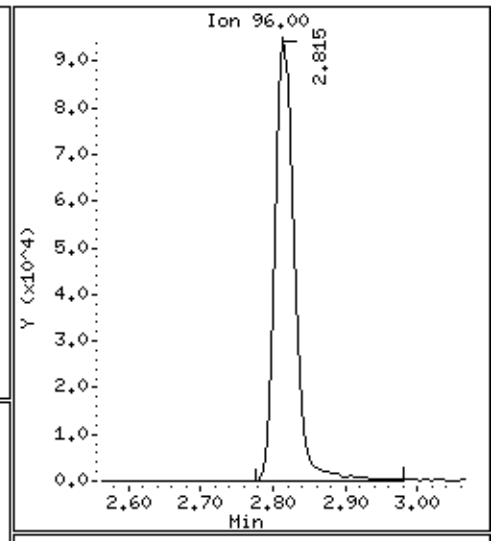
Review Code:

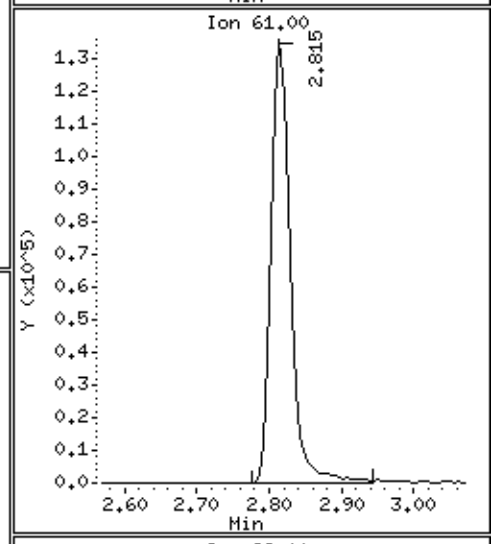


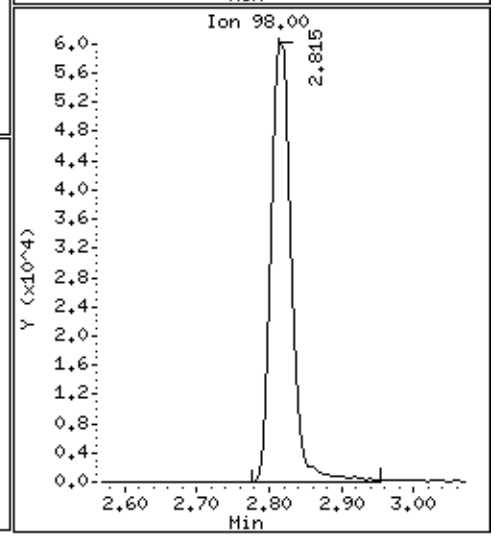












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d

Date : 11-OCT-2016 03:40

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366016x20

Purge Volume: 5.0

Operator: jlz

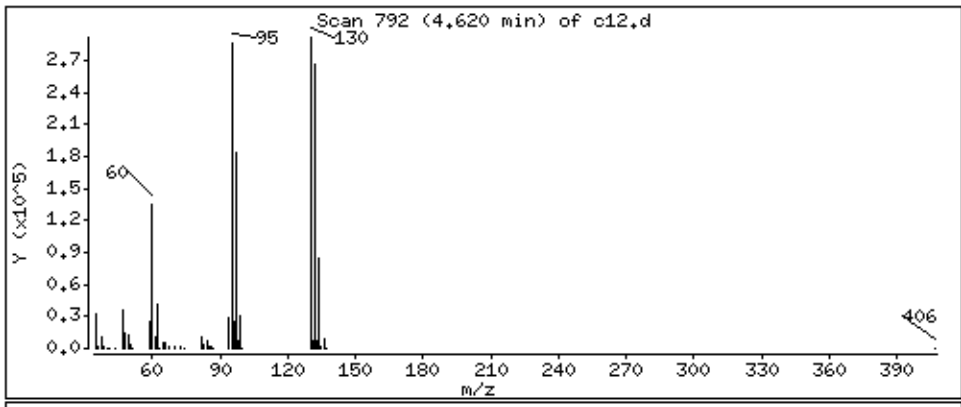
Column phase: DB-624

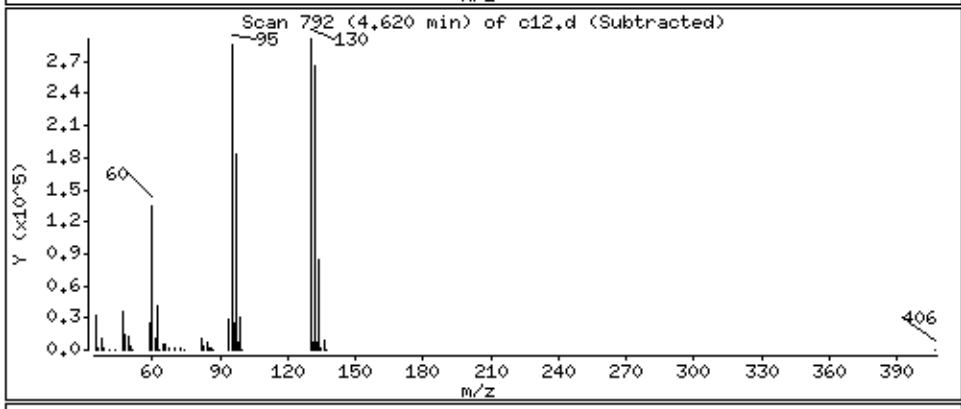
Column diameter: 0.18

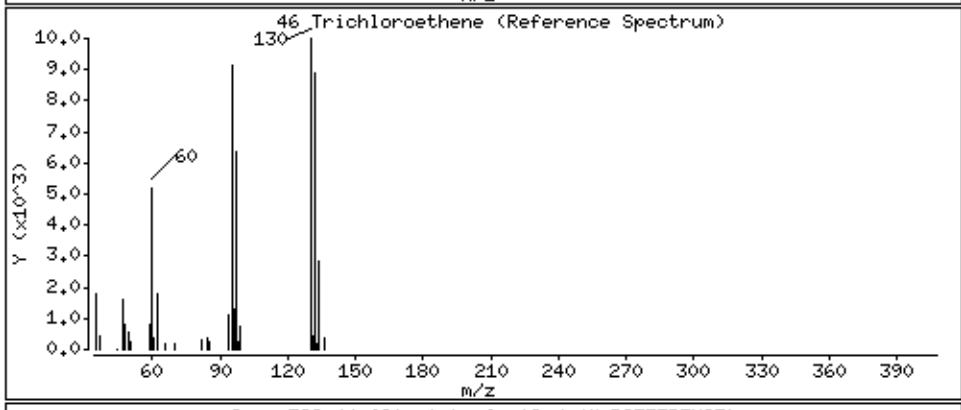
46 Trichloroethene

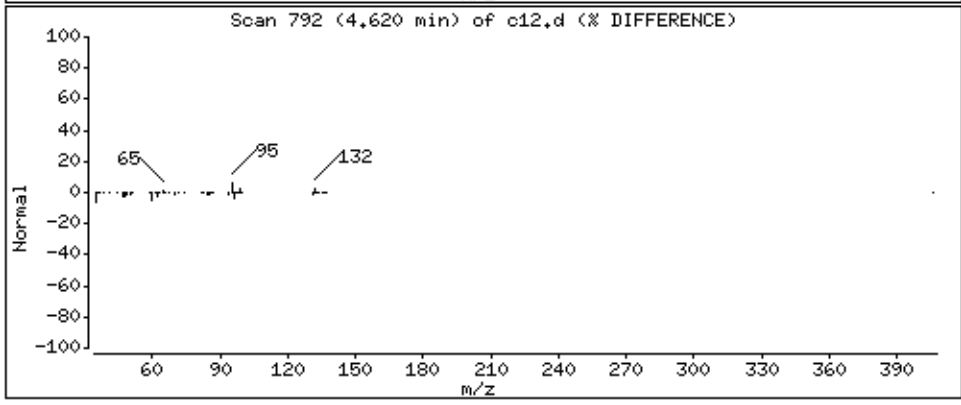
Concentration: 5060 ppb

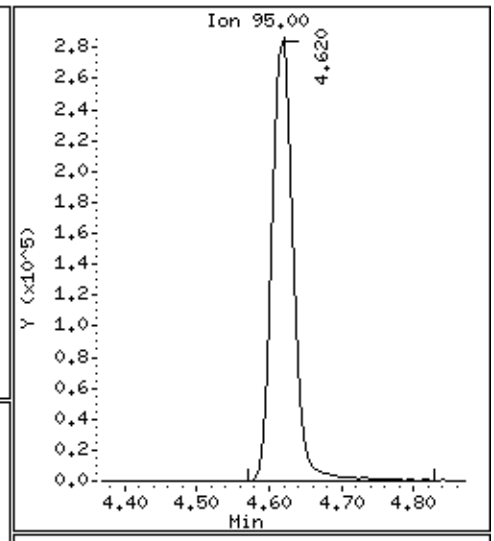
Review Code:

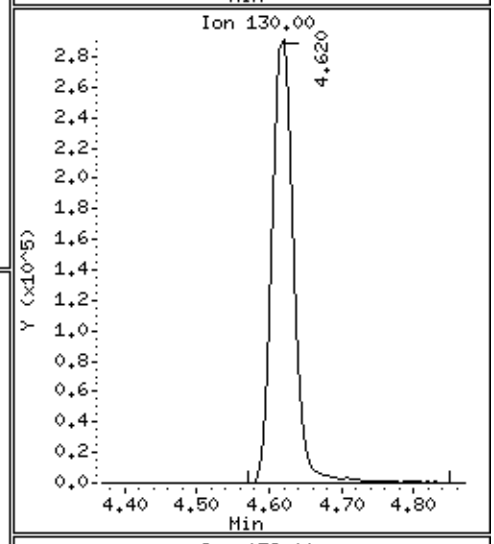


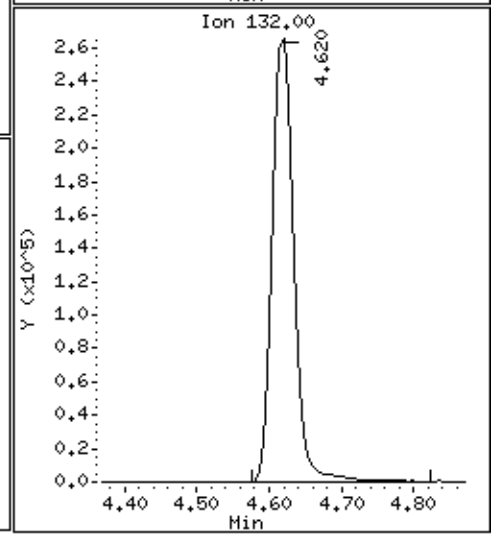












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c12.d

Date : 11-OCT-2016 03:40

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366016x20

Purge Volume: 5.0

Operator: jlz

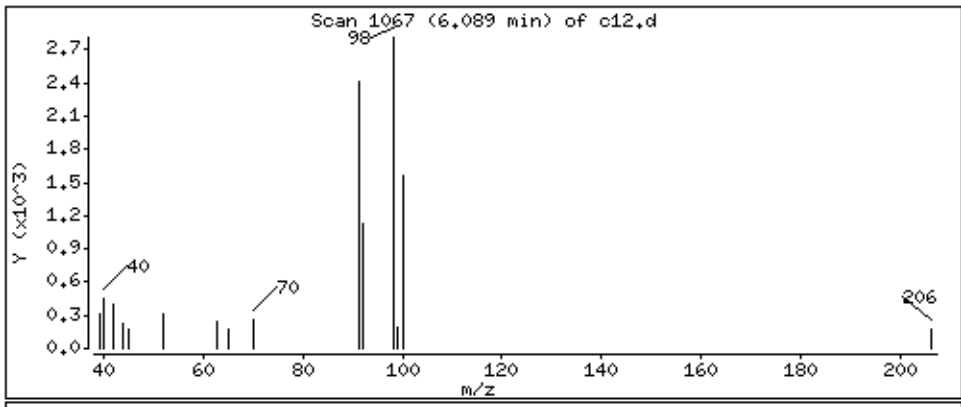
Column phase: DB-624

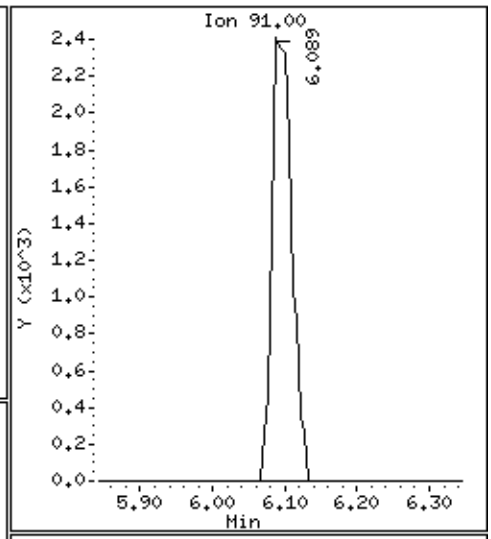
Column diameter: 0.18

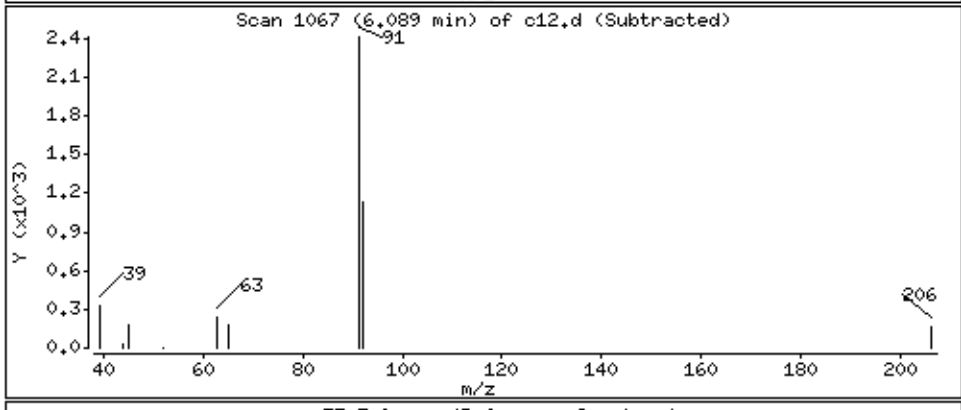
57 Toluene

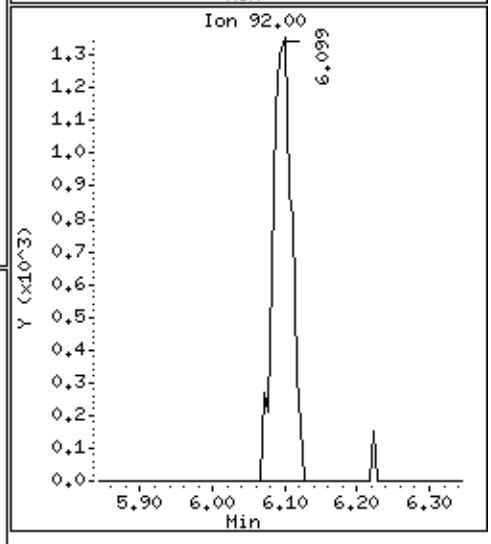
Concentration: 8.80 ppb

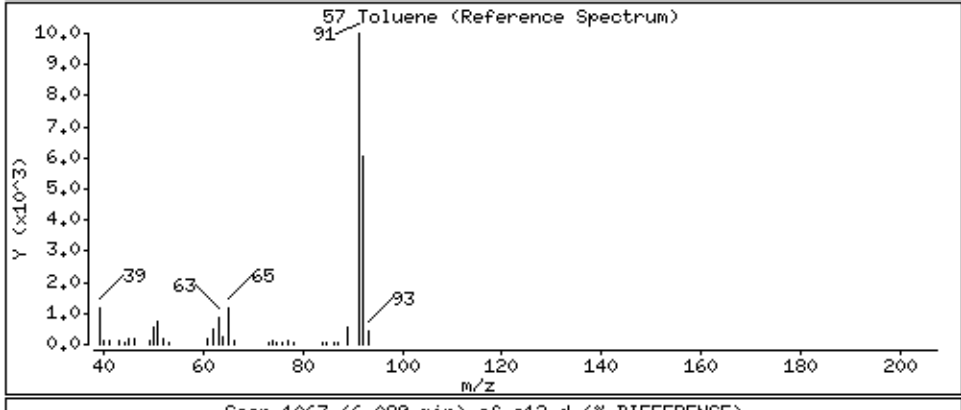
Review Code:

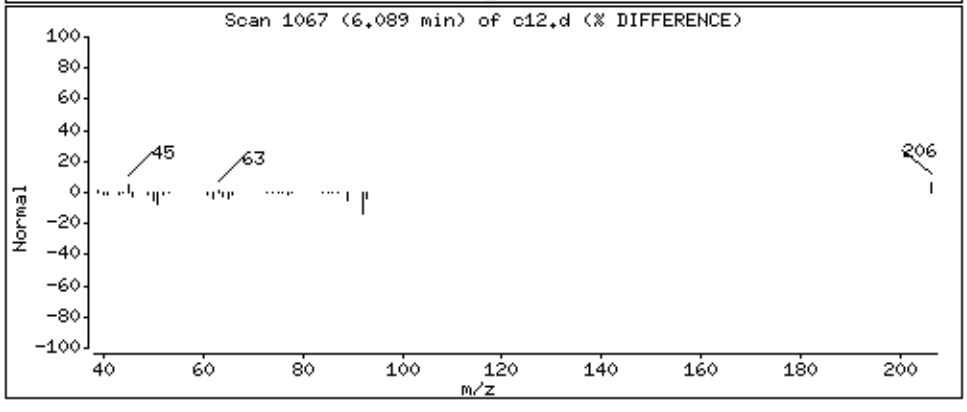












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c12.d
Injection Date: 11-OCT-2016 03:40
Instrument: 50mv3a.i
Lab Sample ID: 50155366016
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0102-S1U(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 22:21 Lab Sample ID: 50155366016

Date Analyzed: 10/06/2016 22:21 Lab File ID: B100616.B\B19.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	1230	
156-60-5	trans-1,2-Dichloroethene	104	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	106	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0102-S1U(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 22:21 Lab Sample ID: 50155366016

Date Analyzed: 10/06/2016 22:21 Lab File ID: B100616.B\B19.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	21.6	
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d
Lab Smp Id: 50155366016 Client Smp ID: MW-0102-S1U(092716)
Inj Date : 06-OCT-2016 22:21
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366016x10
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 40
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.044	1.044	(0.250)	6344	2.16424	21.6	
	18 Methylene Chloride	84	1.872	1.872	(0.449)	24538	10.5831	106	
	22 1,2-Dichloroethene (trans)	96	2.049	2.048	(0.491)	20809	10.4076	104	
	28 1,2-Dichloroethene (cis)	96	2.823	2.823	(0.676)	259782	122.688	1230(Q)	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	85817	47.9107	47.9	
*	44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	389043	50.0000		
	45 Trichloroethene	95	4.623	4.623	(1.107)	806989	412.949	4130	
$	55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	381958	45.4816	45.5	
	56 Toluene	91	6.097	6.097	(0.830)	4948	0.47402	4.74	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	284278	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	136249	51.5407	51.5	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	134792	50.0000		

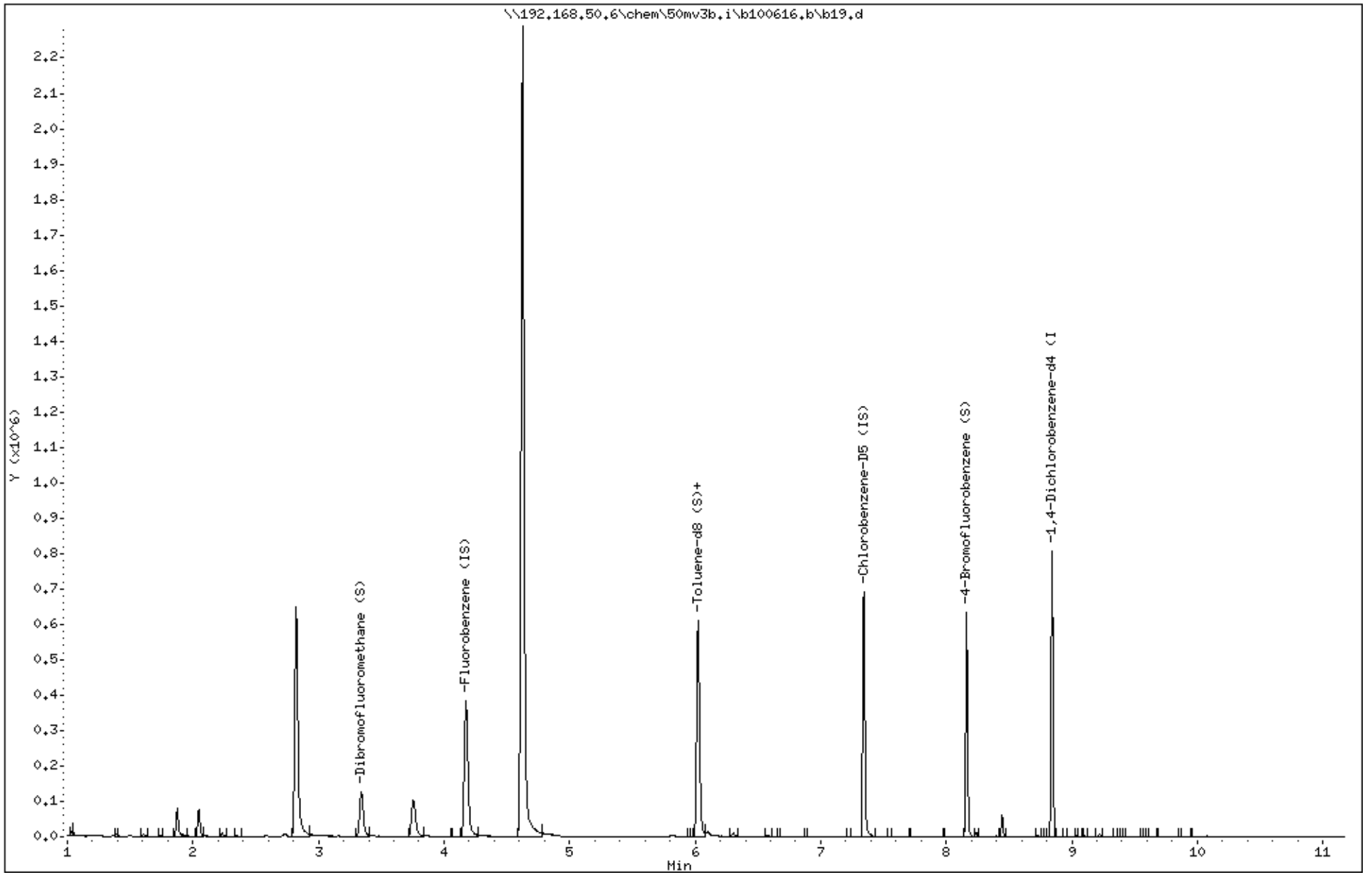
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d
Date : 06-OCT-2016 22:21
Client ID: MW-0102-S1U(092716)
Instrument: 50mv3b.i
Sample Info: 50155366016x10
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d

Date : 06-OCT-2016 22:21

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366016x10

Purge Volume: 5.0

Operator: jlz

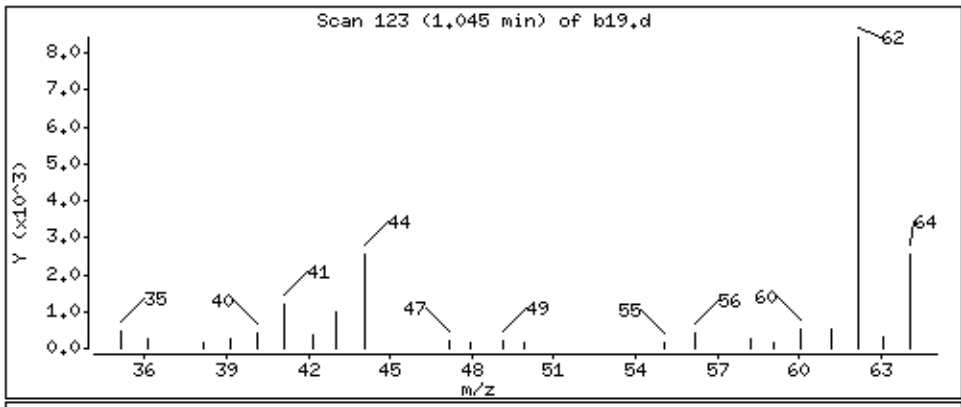
Column phase: DB-624

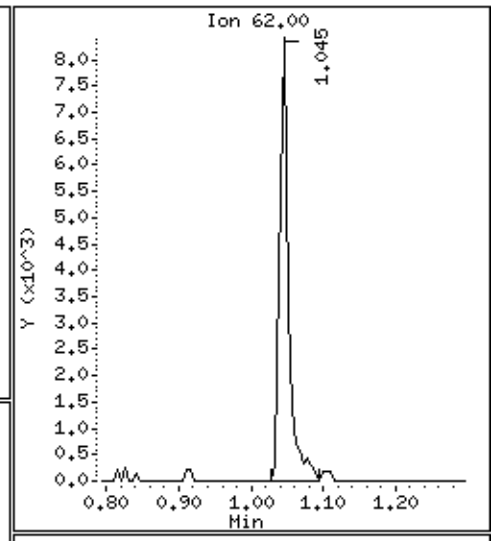
Column diameter: 0.18

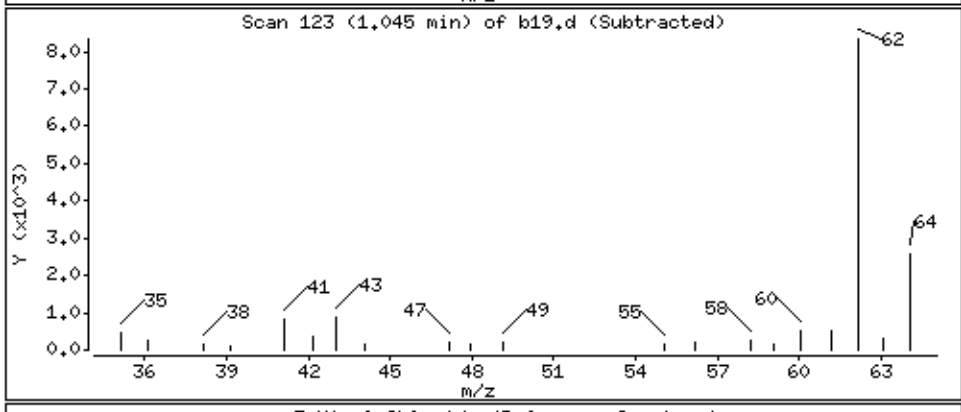
3 Vinyl Chloride

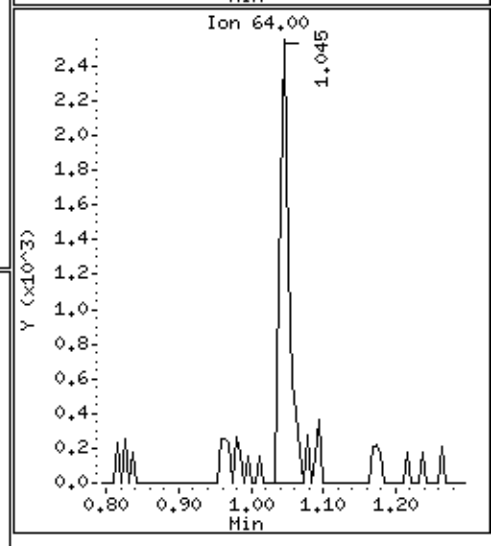
Concentration: 21.6 ppb

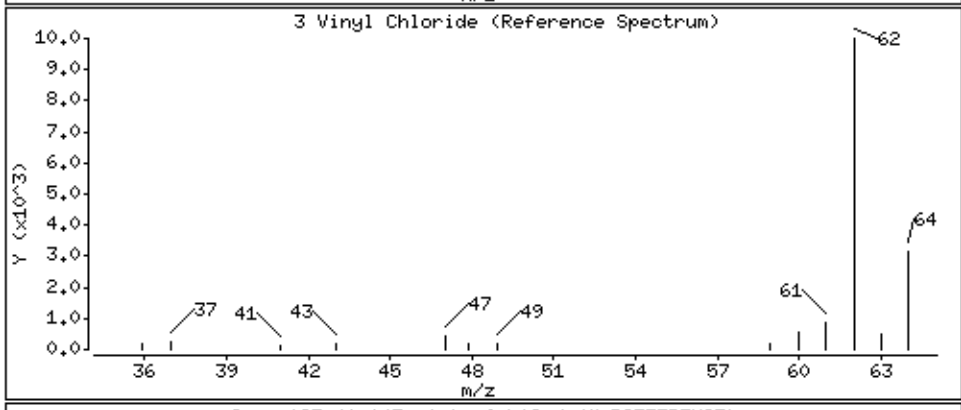
Review Code:

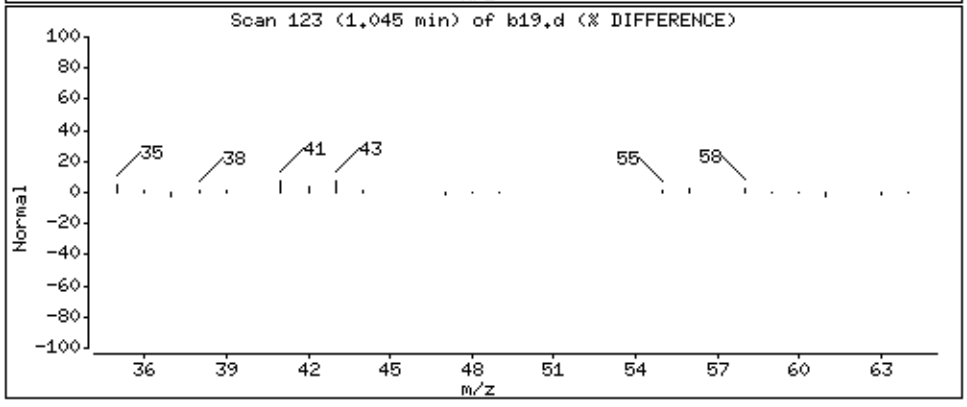












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d

Date : 06-OCT-2016 22:21

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366016x10

Purge Volume: 5.0

Operator: jlz

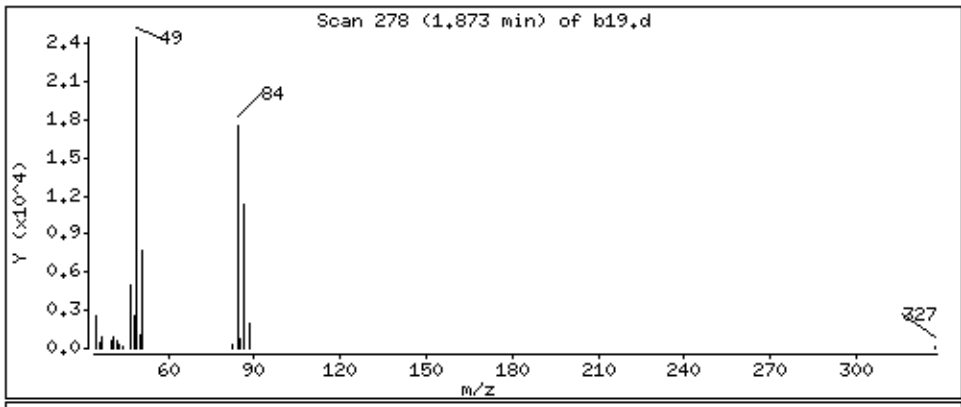
Column phase: DB-624

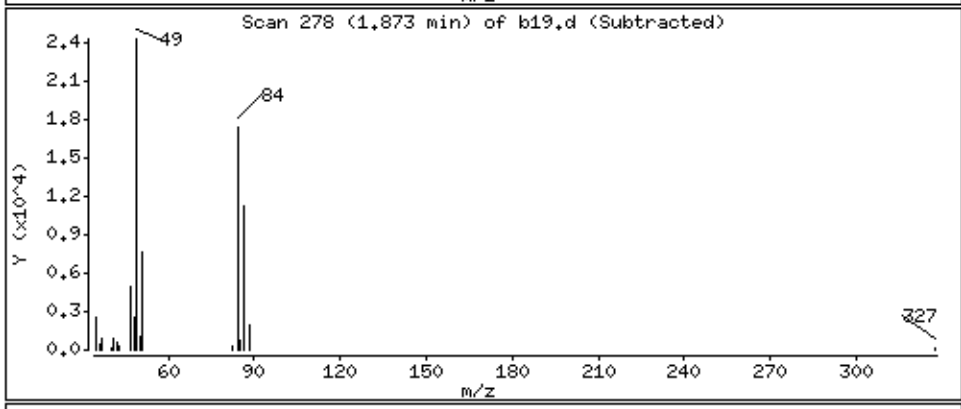
Column diameter: 0.18

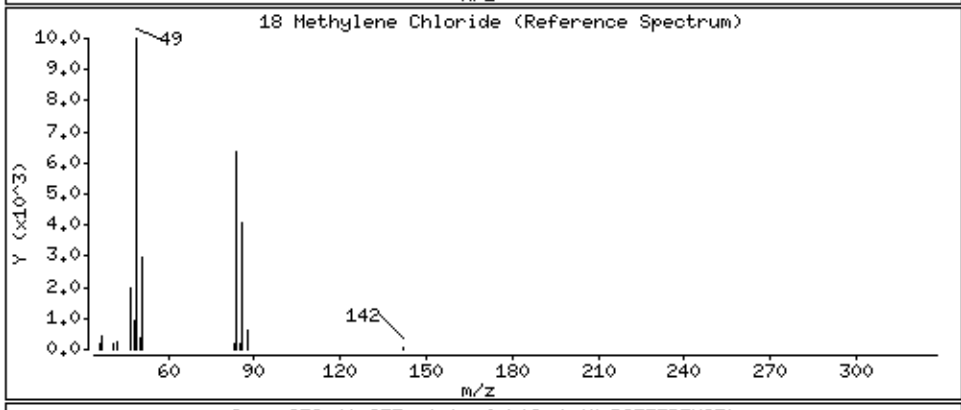
18 Methylene Chloride

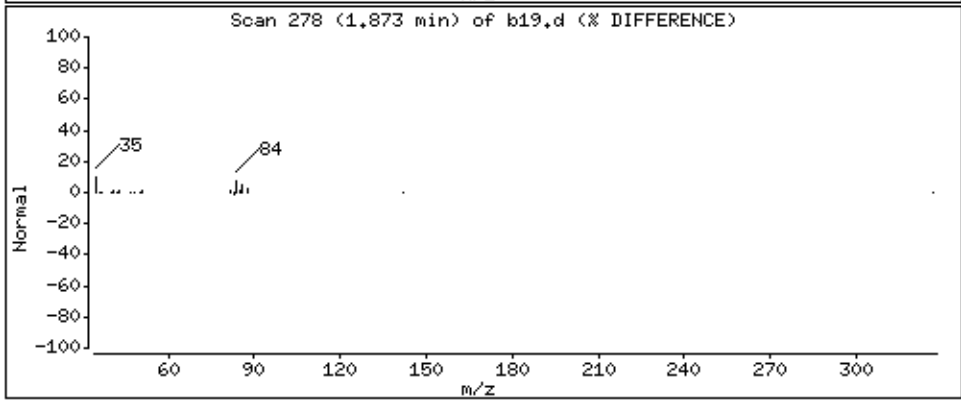
Concentration: 106 ppb

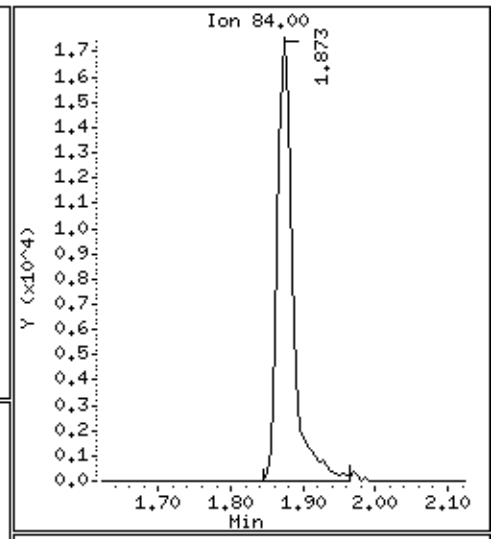
Review Code:

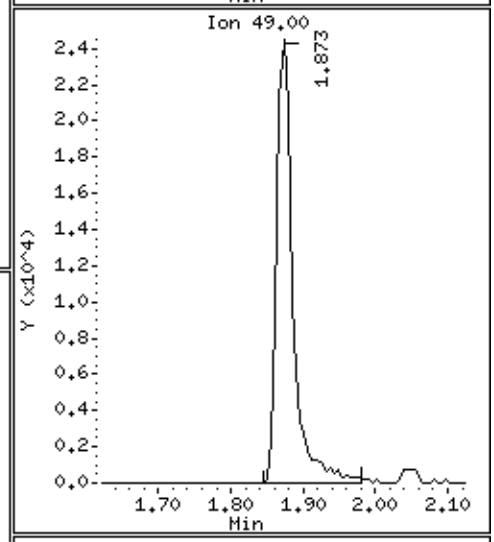


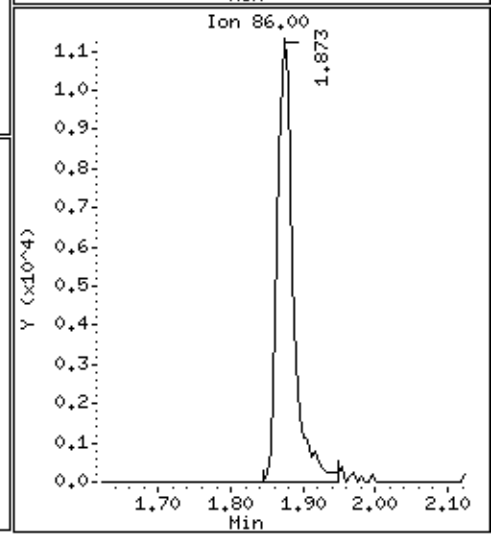












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d

Date : 06-OCT-2016 22:21

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366016x10

Purge Volume: 5.0

Operator: jlz

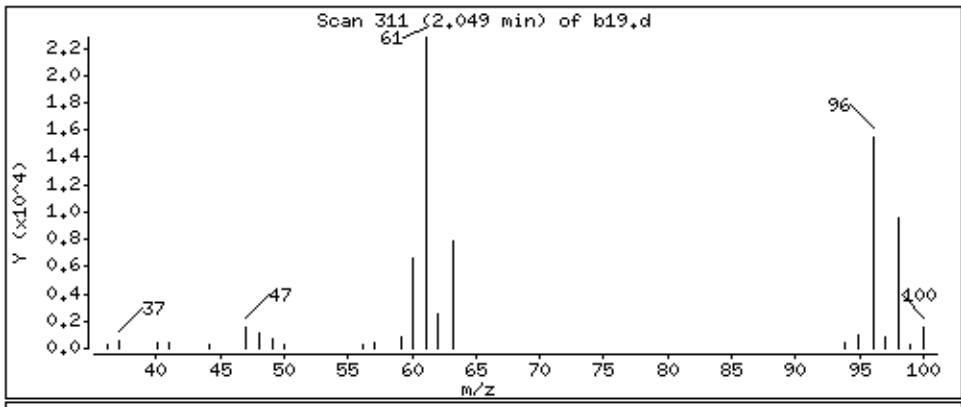
Column phase: DB-624

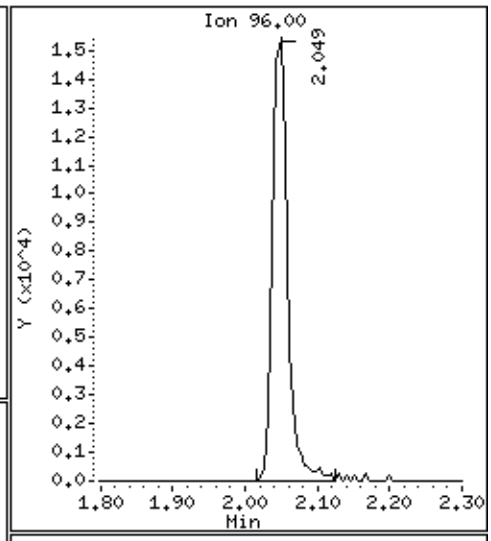
Column diameter: 0.18

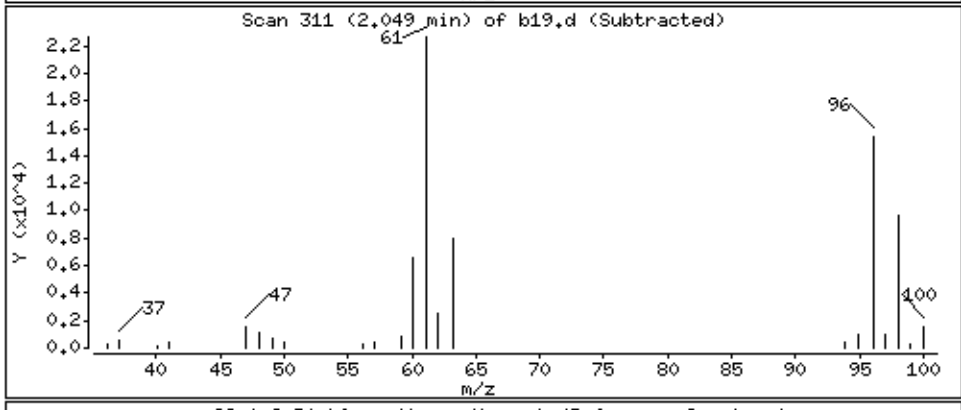
22 1,2-Dichloroethene (trans)

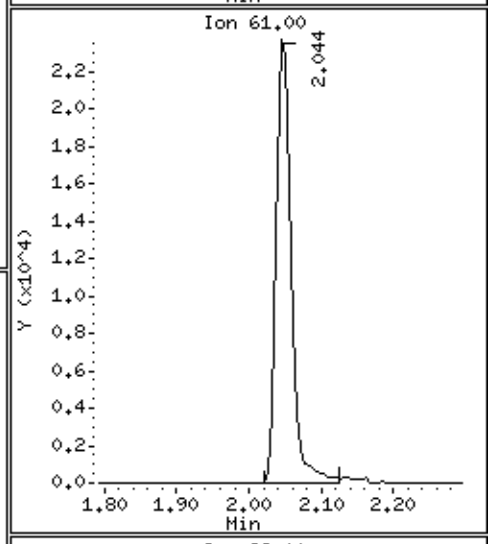
Concentration: 104 ppb

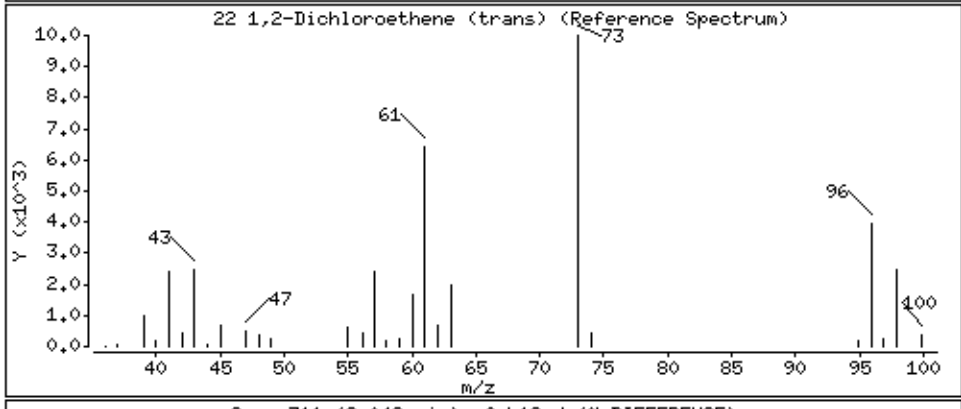
Review Code:

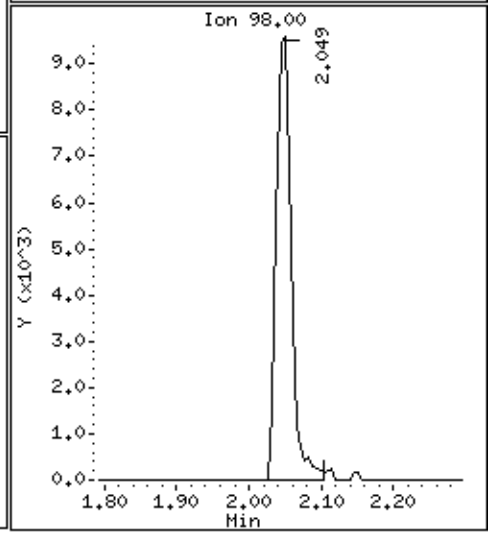


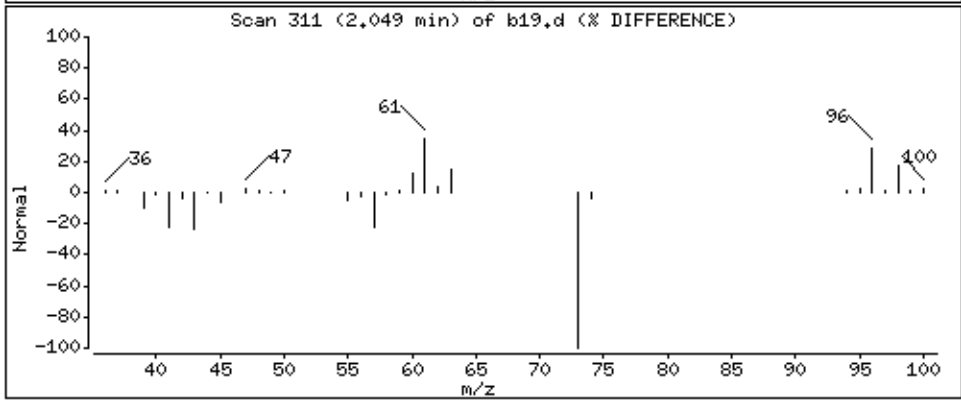












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d

Date : 06-OCT-2016 22:21

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366016x10

Purge Volume: 5.0

Operator: jlz

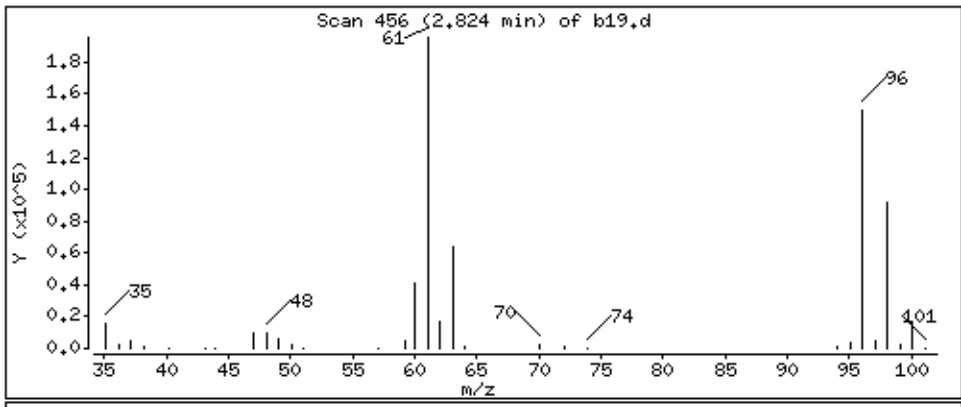
Column phase: DB-624

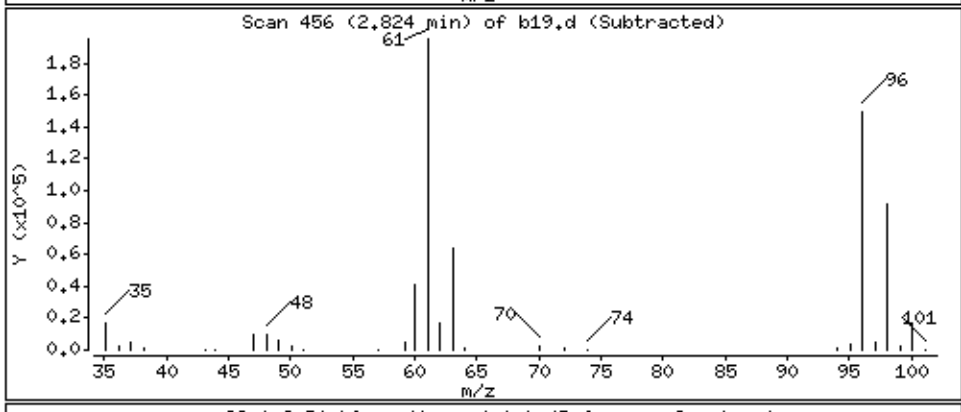
Column diameter: 0.18

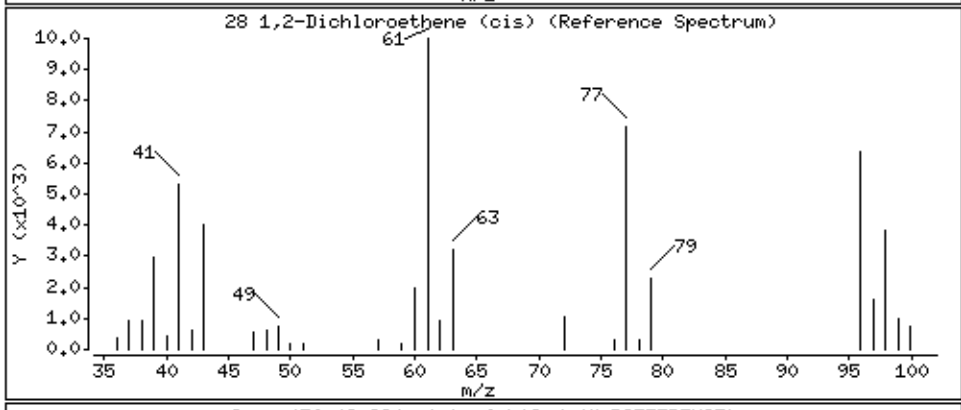
28 1,2-Dichloroethene (cis)

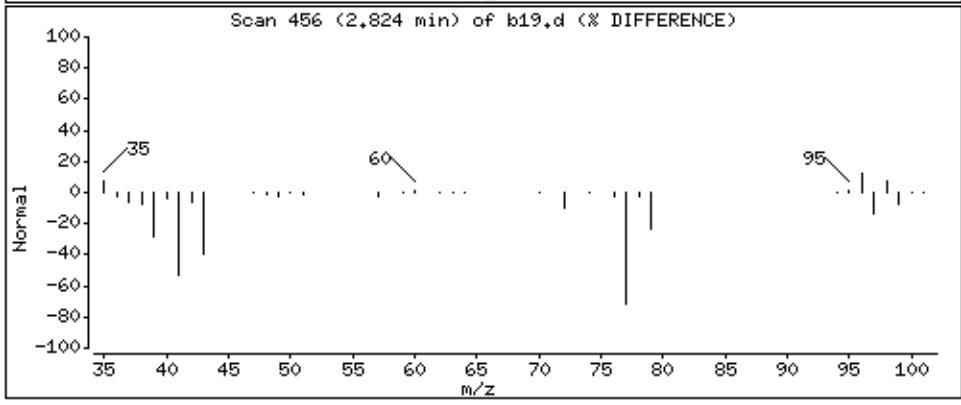
Concentration: 1230 ppb

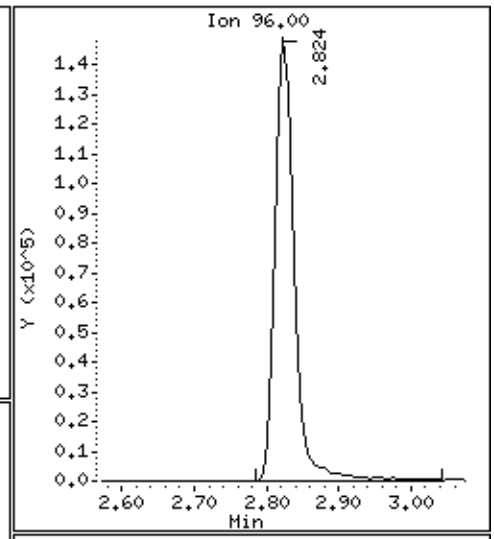
Review Code:

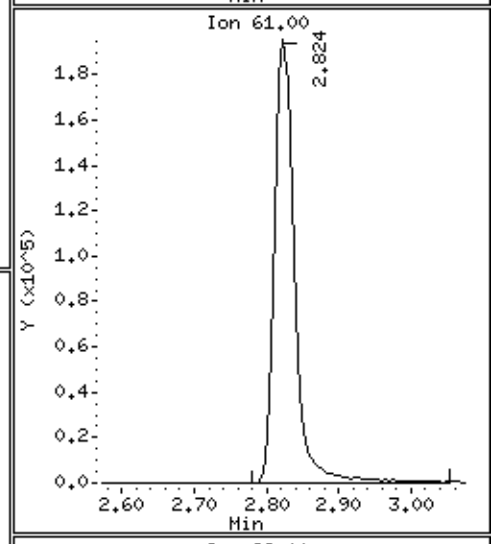


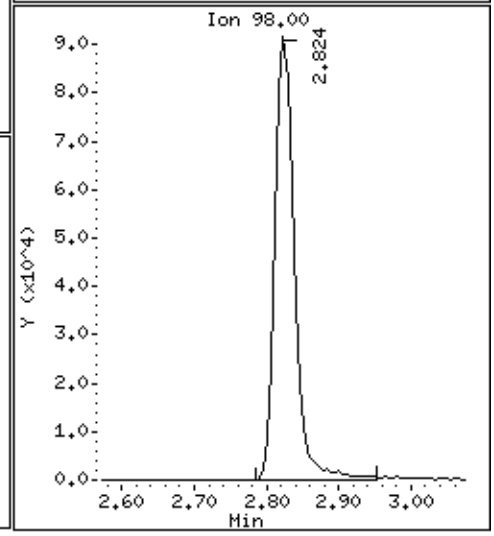












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d

Date : 06-OCT-2016 22:21

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366016x10

Purge Volume: 5.0

Operator: jlz

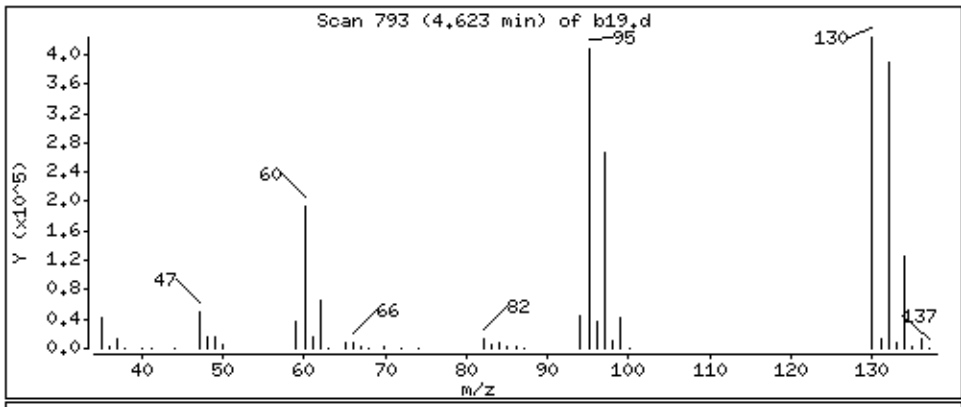
Column phase: DB-624

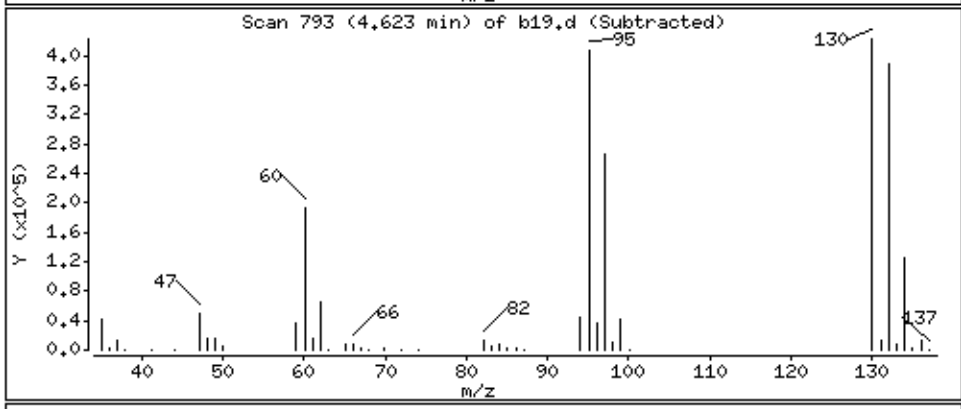
Column diameter: 0.18

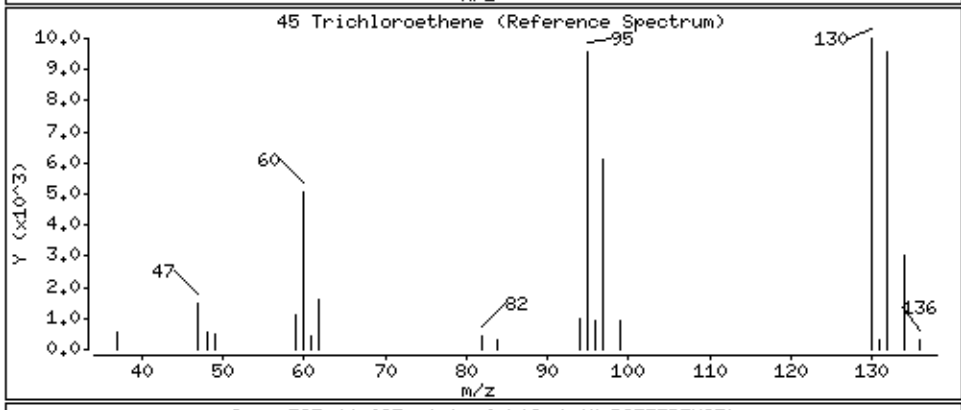
45 Trichloroethene

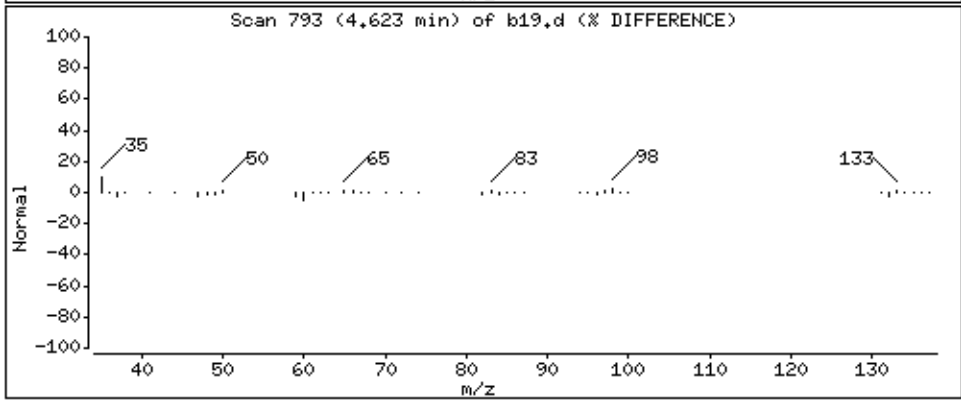
Concentration: 4130 ppb

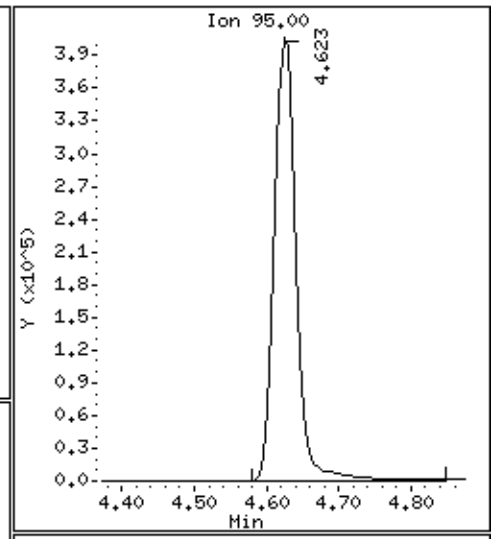
Review Code:

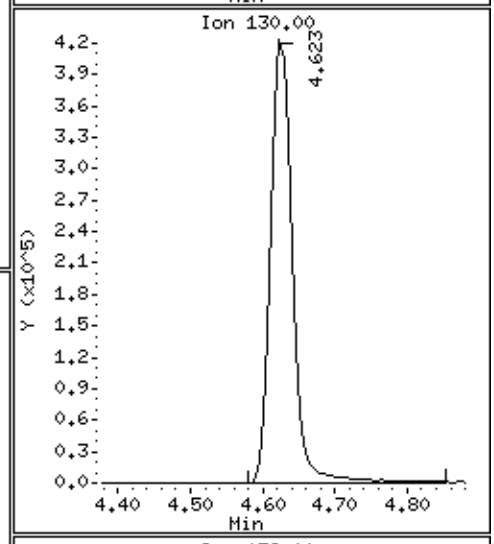


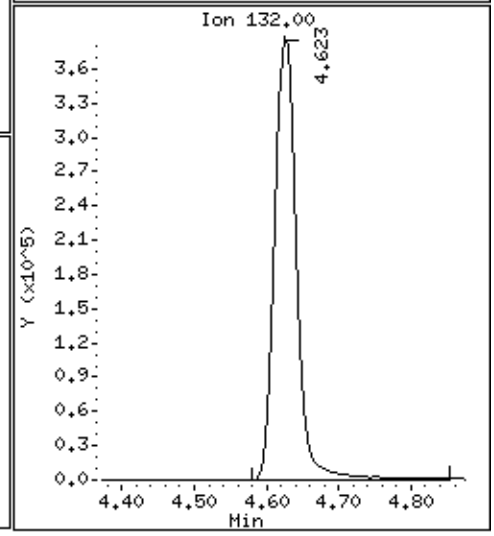












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b19.d

Date : 06-OCT-2016 22:21

Client ID: MW-0102-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366016x10

Purge Volume: 5.0

Operator: jlz

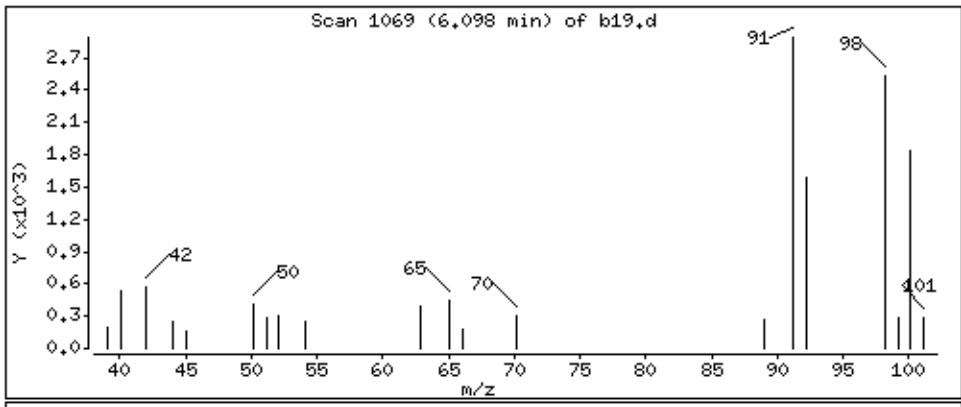
Column phase: DB-624

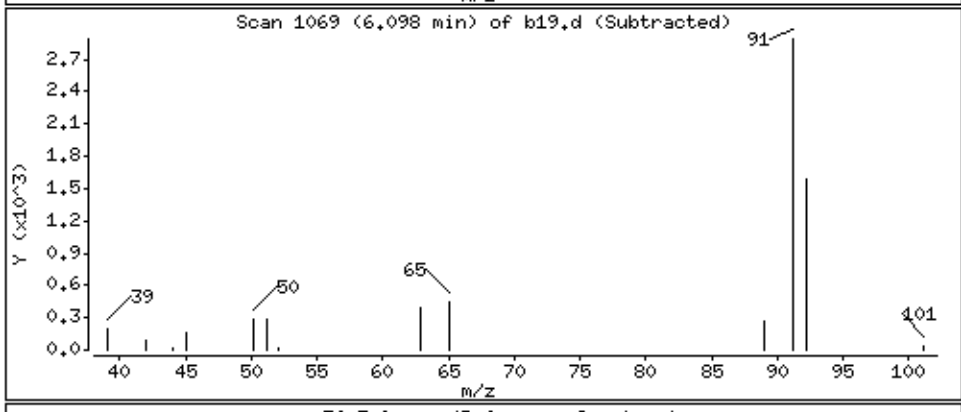
Column diameter: 0.18

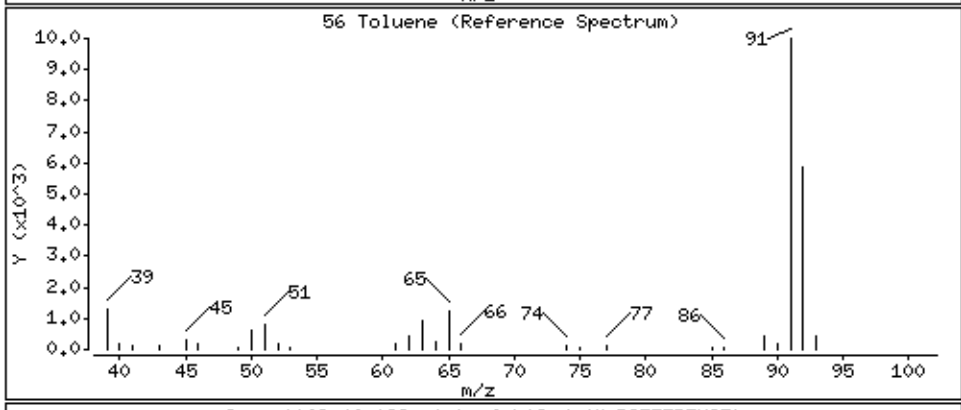
56 Toluene

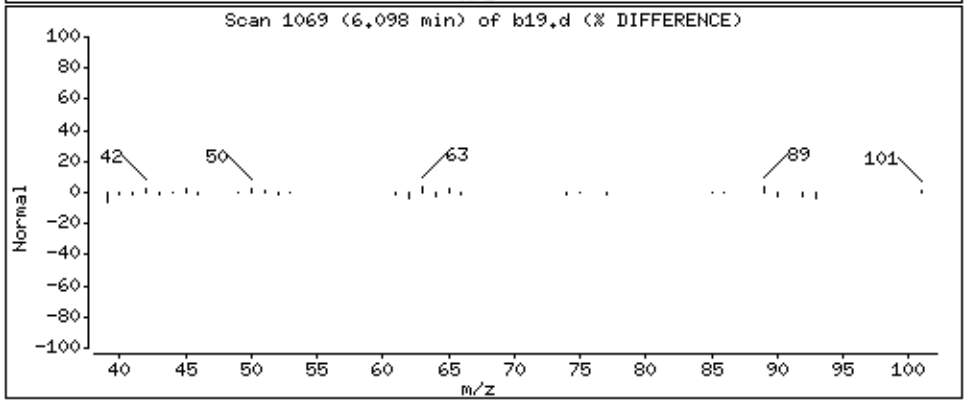
Concentration: 4.74 ppb

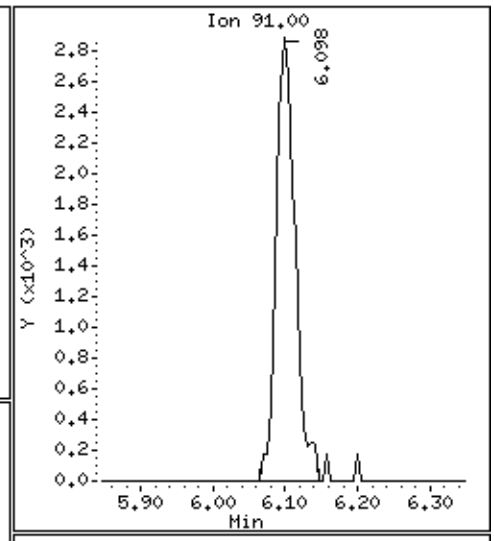
Review Code:

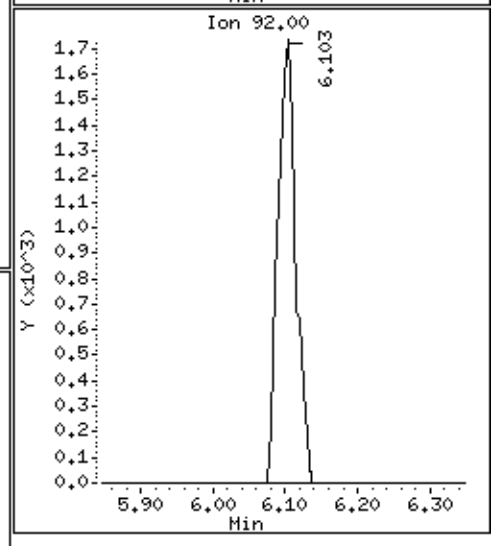












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b19.d
Injection Date: 06-OCT-2016 22:21
Instrument: 50mv3b.i
Lab Sample ID: 50155366016
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0619-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 01:00 Lab Sample ID: 50155366017

Date Analyzed: 10/11/2016 01:00 Lab File ID: A101016.B\C07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	50.0	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0619-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 01:00 Lab Sample ID: 50155366017

Date Analyzed: 10/11/2016 01:00 Lab File ID: A101016.B\C07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	202	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d
Lab Smp Id: 50155366017 Client Smp ID: MW-0619-S1(092716)P
Inj Date : 11-OCT-2016 01:00
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366017
Misc Info : 95715
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 61
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.037	1.035	(0.249)	3134	1.14201	1.14	
	12 Acetone	43	1.609	1.606	(0.386)	21109	56.3641	56.4	
	18 Methylene Chloride	84	1.865	1.862	(0.448)	6588	0.38737	0.387	
	22 1,2-Dichloroethene (trans)	96	2.036	2.039	(0.489)	5329	2.55900	2.56	
	28 1,2-Dichloroethene (cis)	96	2.816	2.813	(0.676)	111568	50.0066	50.0(Q)	
$	35 Dibromofluoromethane (S)	113	3.334	3.331	(0.800)	91476	48.5108	48.5	
	37 Cyclohexane	56	3.419	3.417	(0.821)	3971	0.96959	0.970	
*	45 Fluorobenzene (IS)	96	4.167	4.164	(1.000)	417017	50.0000		
	46 Trichloroethene	95	4.616	4.618	(1.108)	439096	202.159	202	
$	56 Toluene-d8 (S)	98	6.020	6.018	(0.820)	399695	46.8321	46.8	
	57 Toluene	91	6.095	6.093	(0.830)	3601	0.35539	0.355	
*	66 Chlorobenzene-D5 (IS)	117	7.345	7.342	(1.000)	275248	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.162	8.165	(1.111)	121589	49.5446	49.5	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.838	(1.000)	115940	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

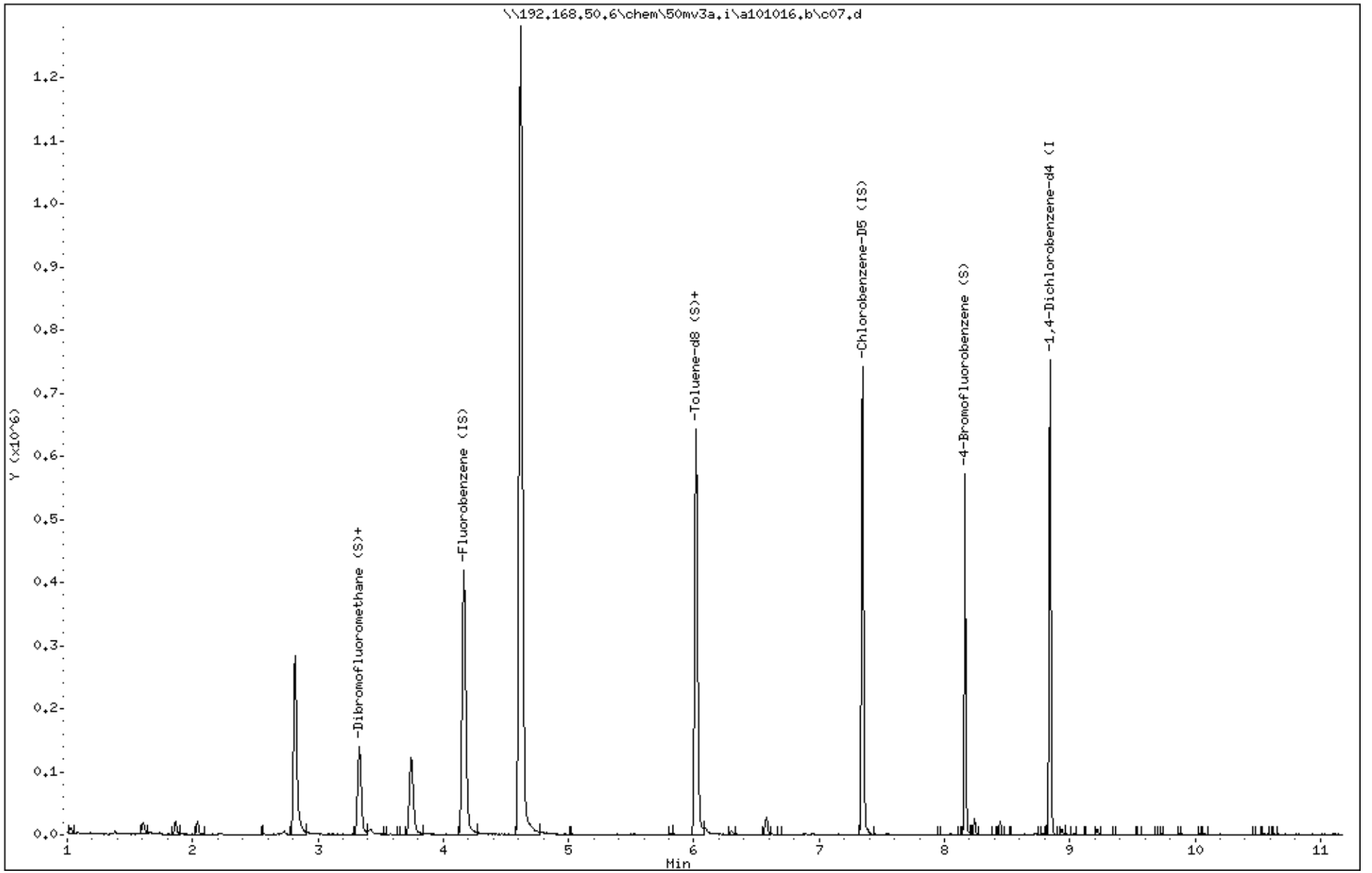
QC Flag Legend

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d
Date : 11-OCT-2016 01:00
Client ID: MW-0619-S1(092716)P
Sample Info: 50155366017
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

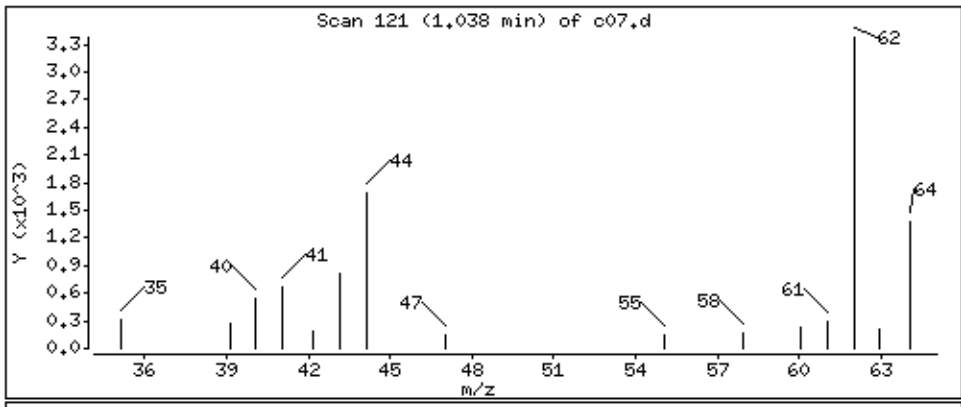
Column phase: DB-624

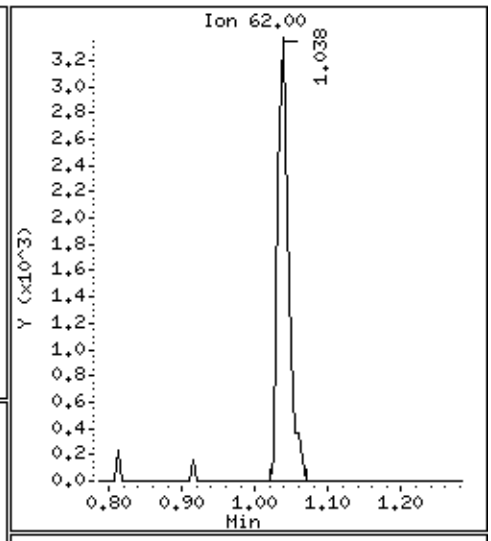
Column diameter: 0.18

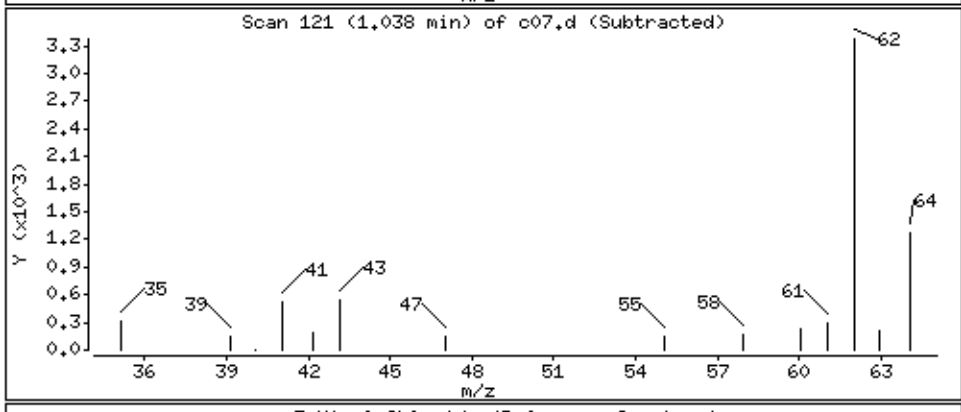
3 Vinyl Chloride

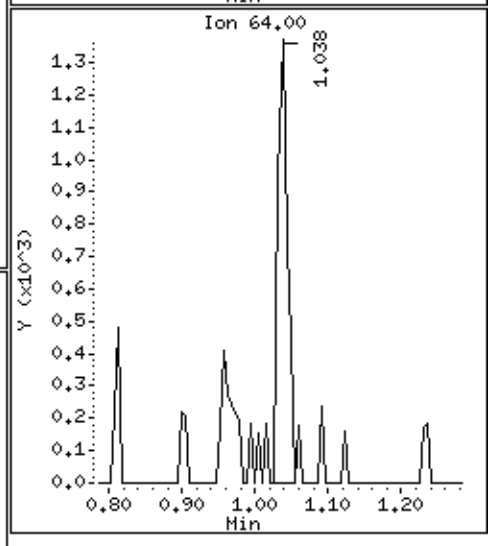
Concentration: 1.14 ppb

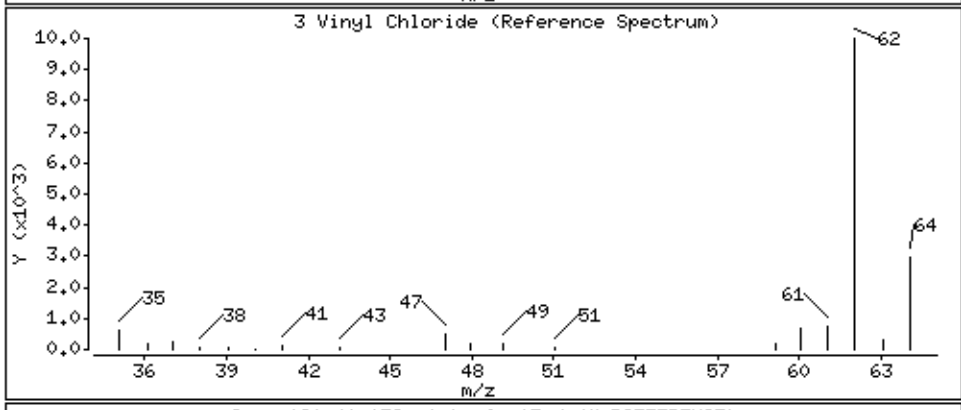
Review Code:

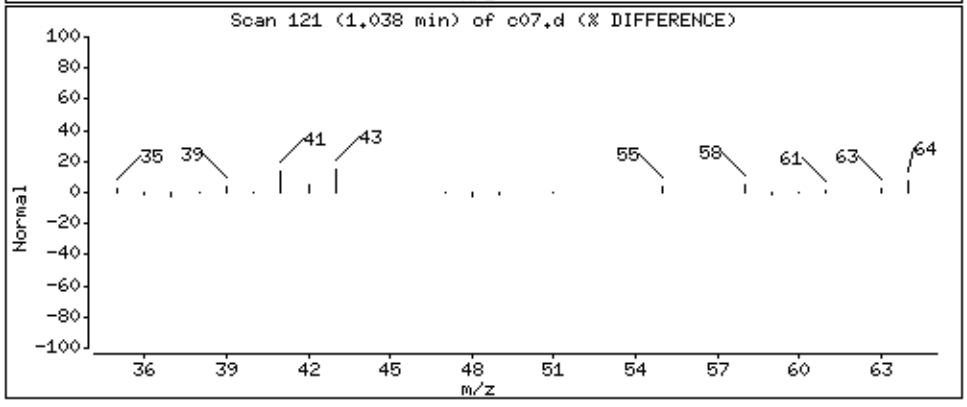












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d

Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

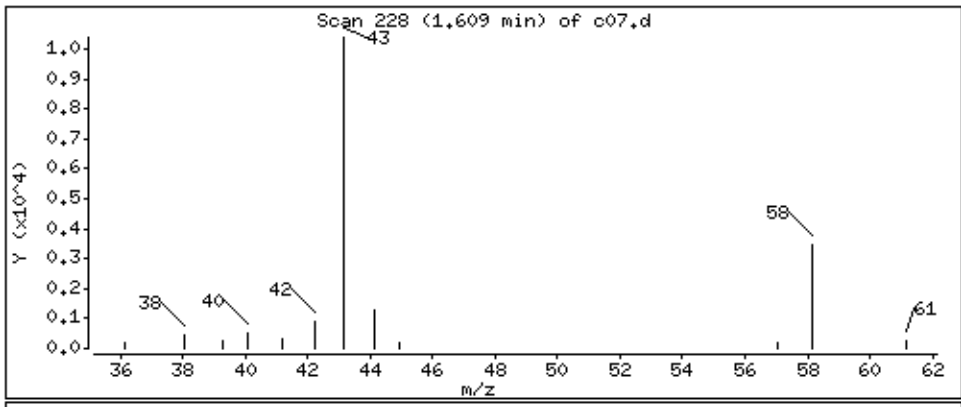
Column phase: DB-624

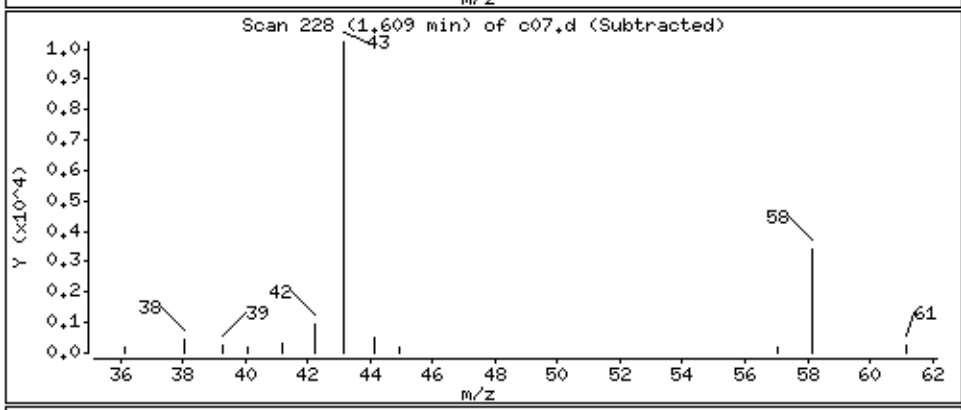
Column diameter: 0.18

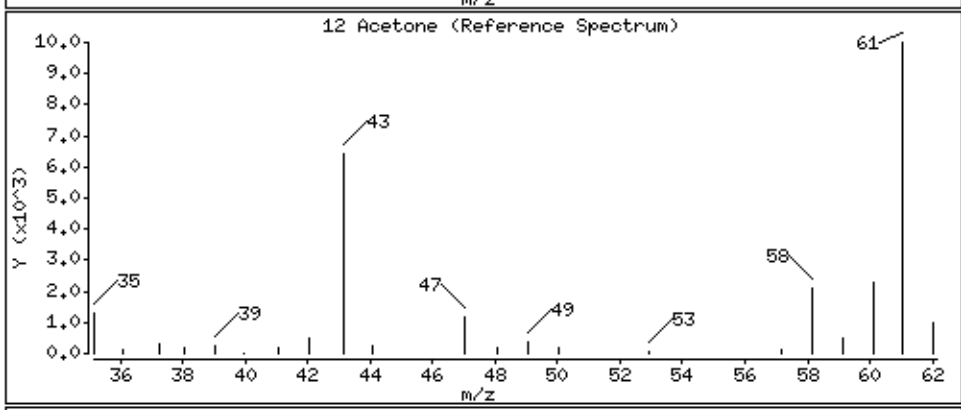
12 Acetone

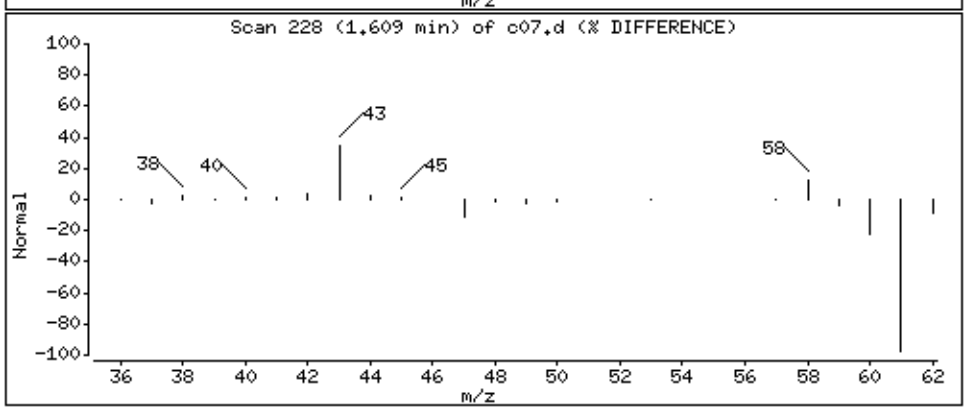
Concentration: 56.4 ppb

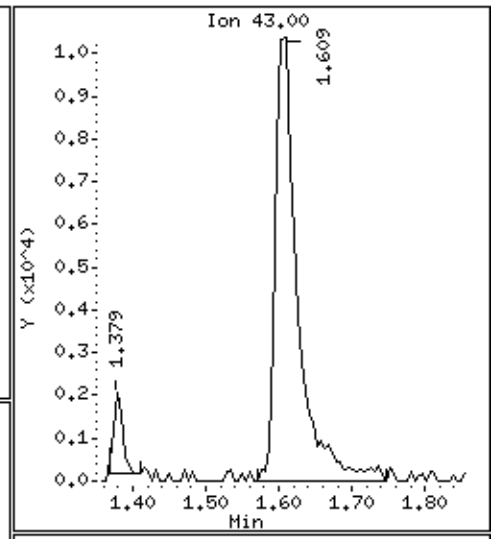
Review Code:

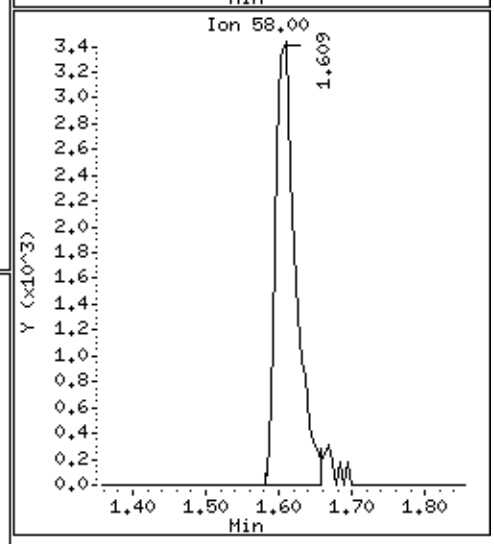












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d

Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

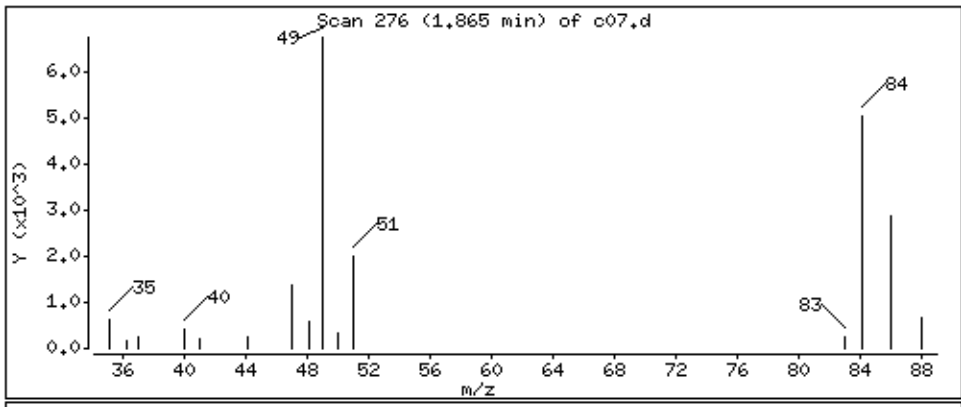
Column phase: DB-624

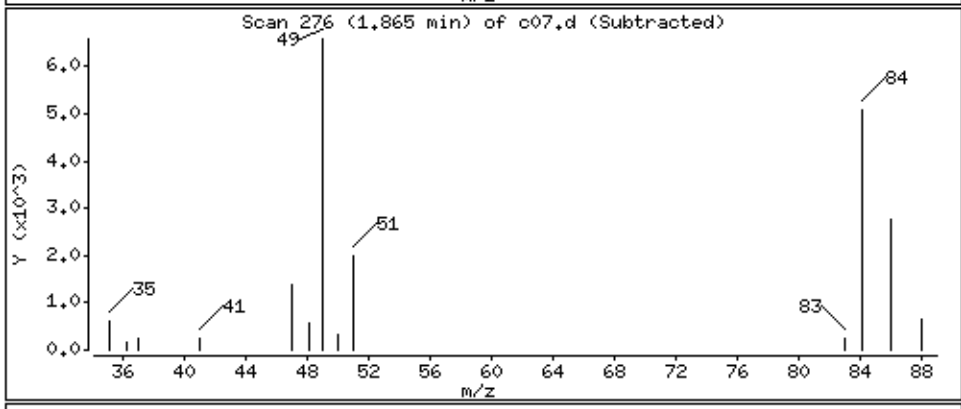
Column diameter: 0.18

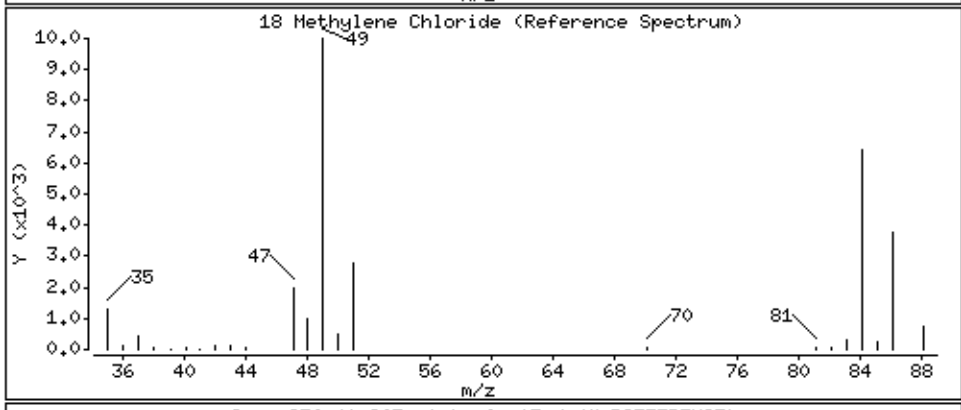
18 Methylene Chloride

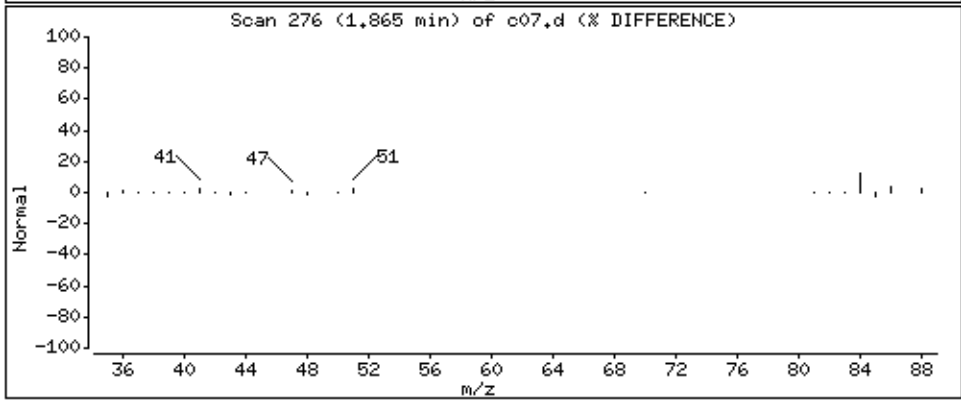
Concentration: 0.387 ppb

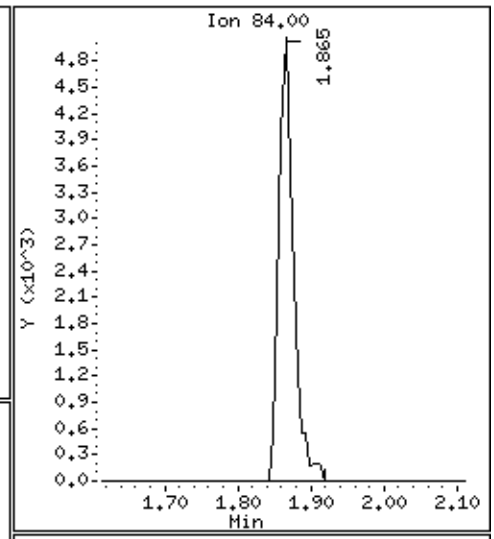
Review Code:

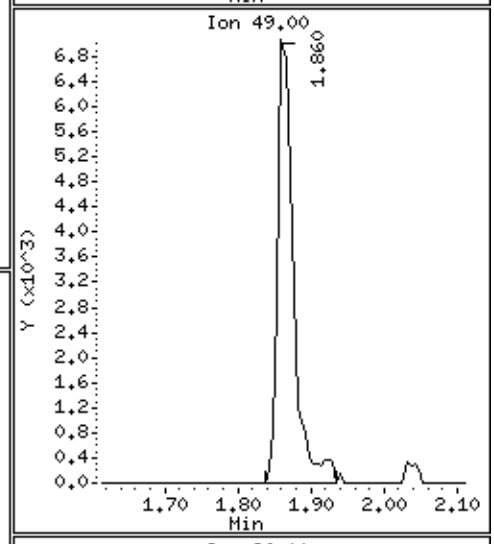


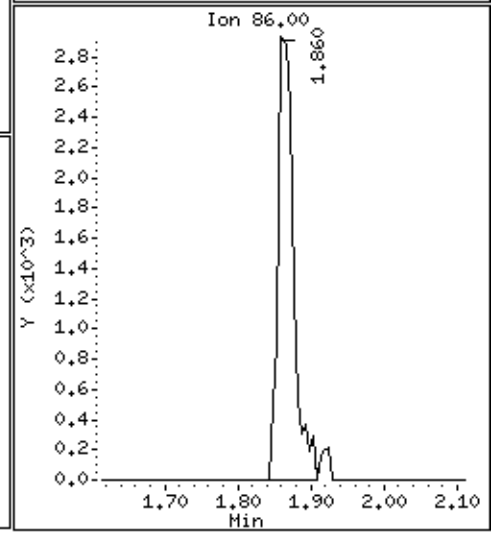












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d

Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

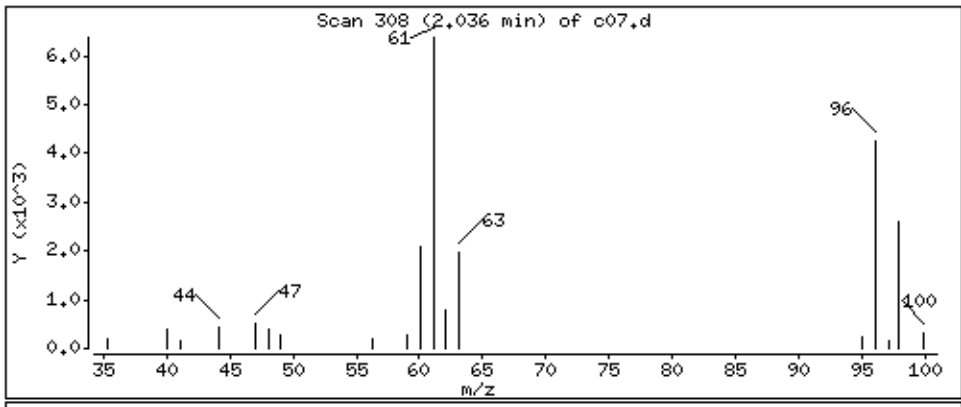
Column phase: DB-624

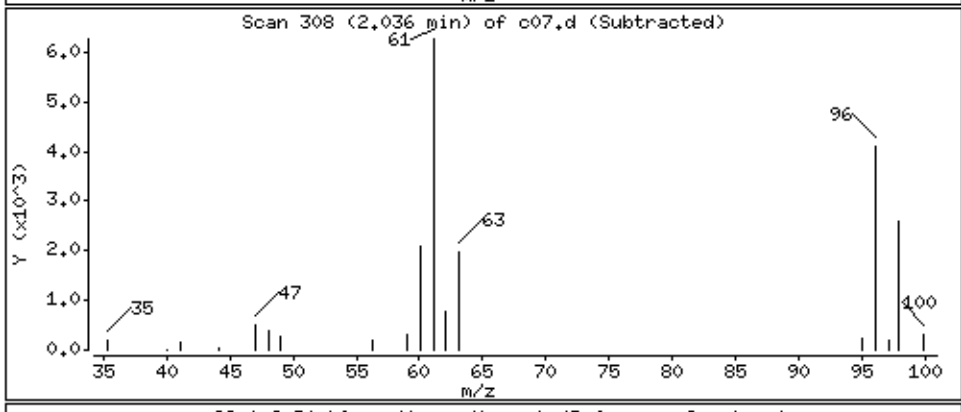
Column diameter: 0.18

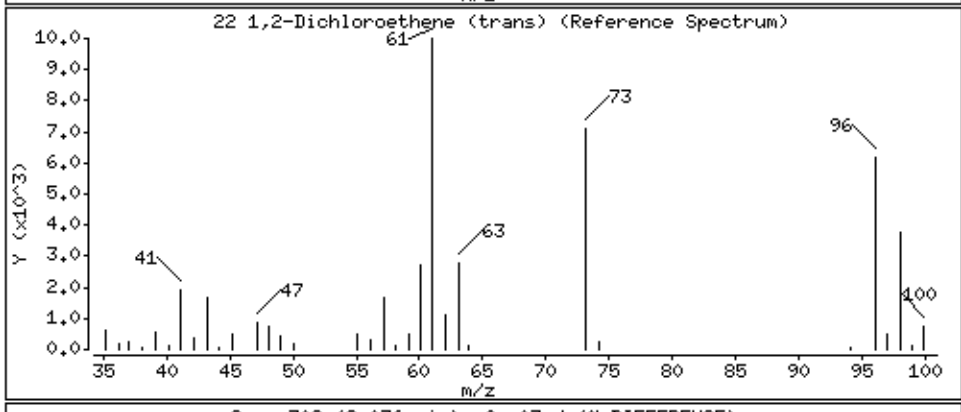
22 1,2-Dichloroethene (trans)

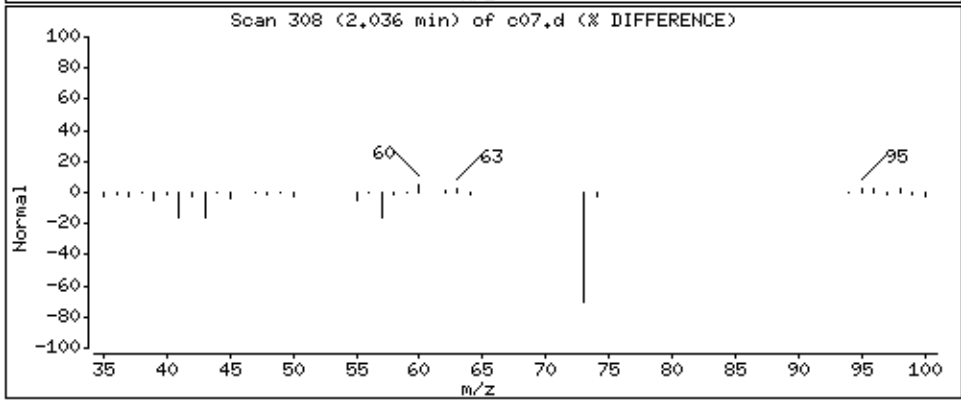
Concentration: 2.56 ppb

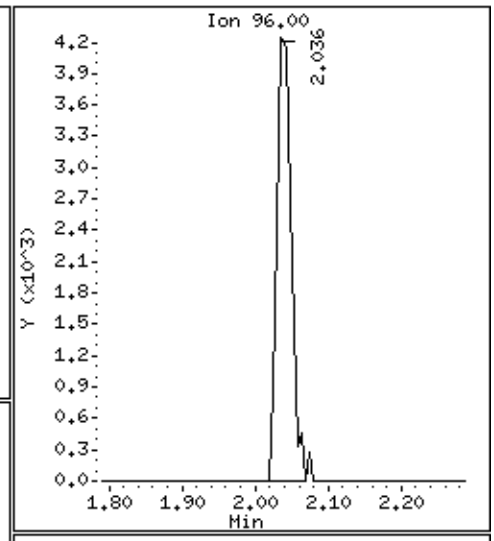
Review Code:

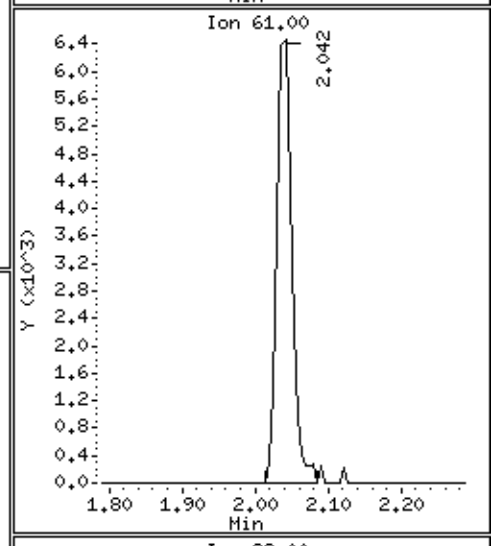


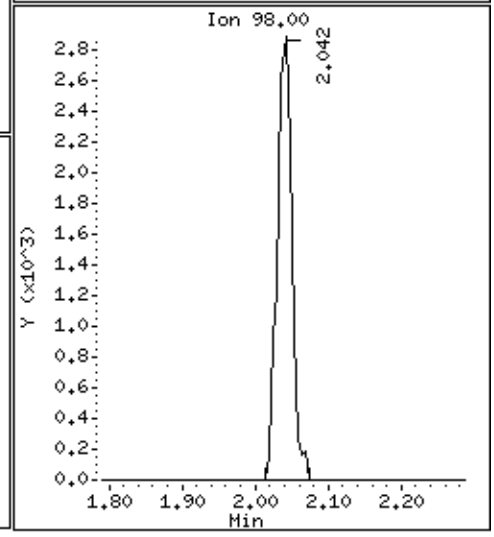












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d

Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

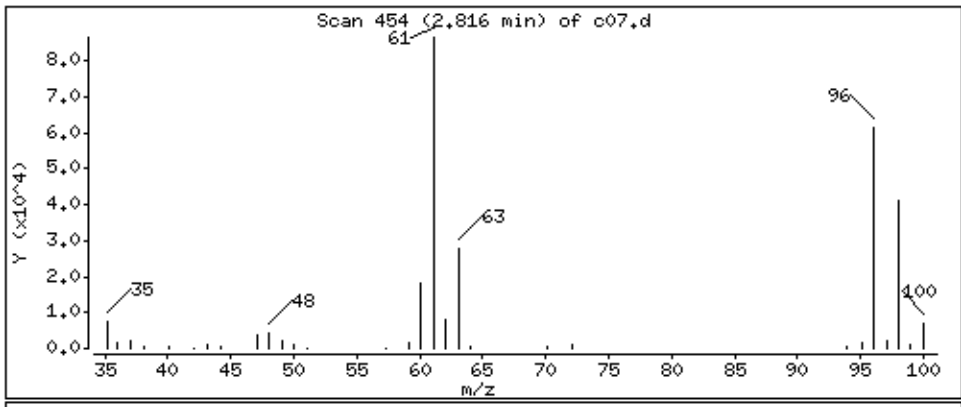
Column phase: DB-624

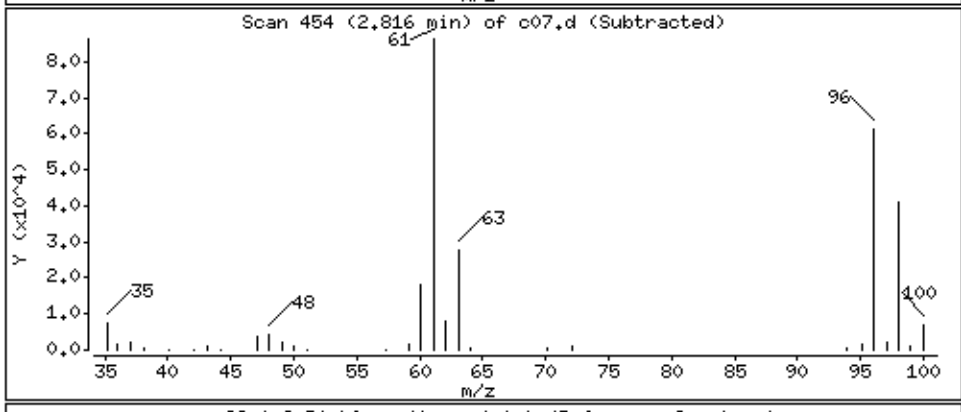
Column diameter: 0.18

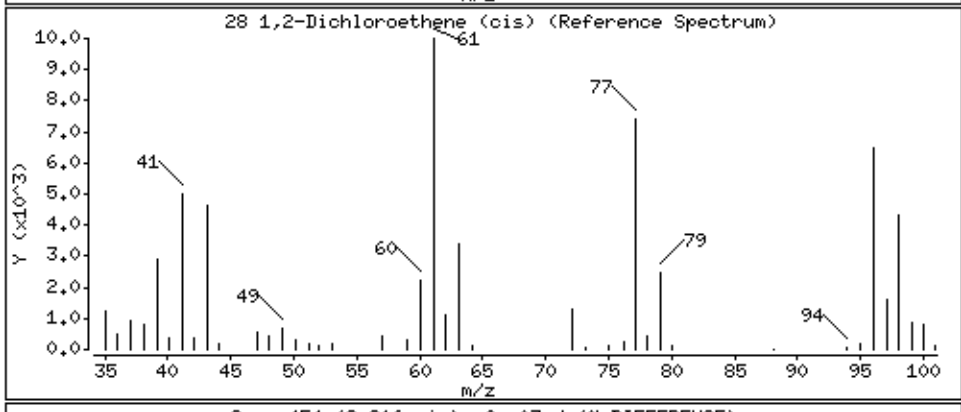
28 1,2-Dichloroethene (cis)

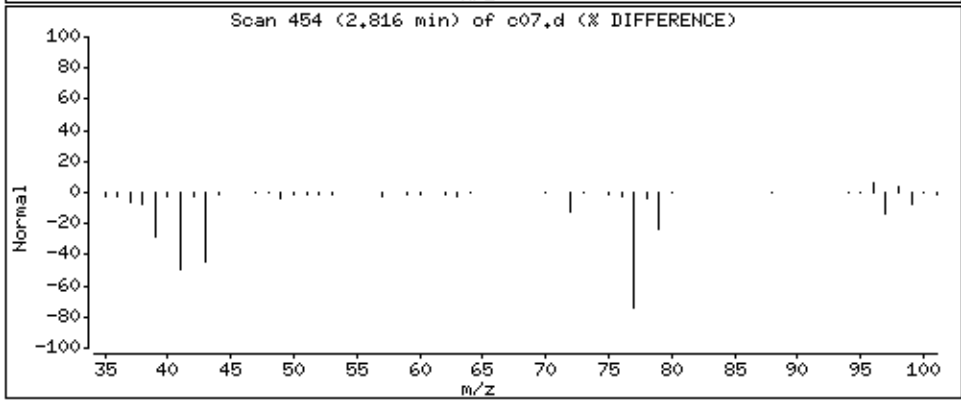
Concentration: 50.0 ppb

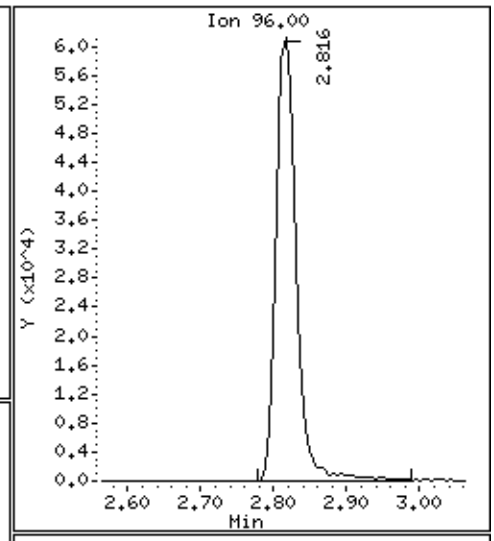
Review Code:

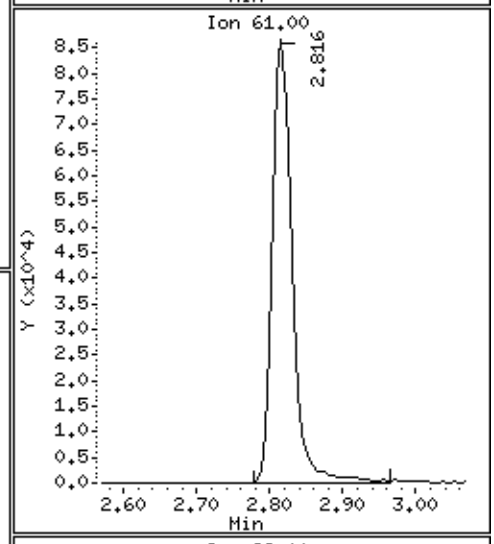


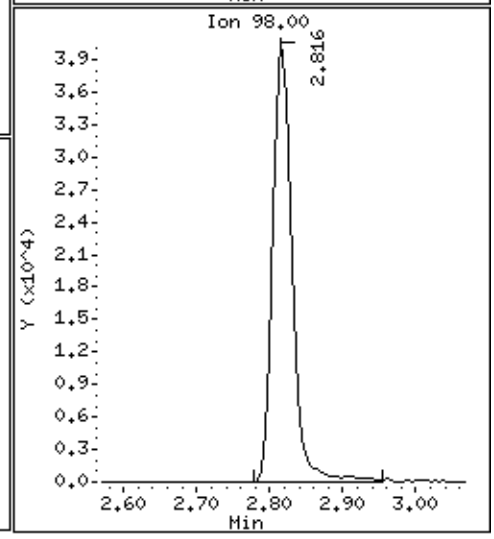












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Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

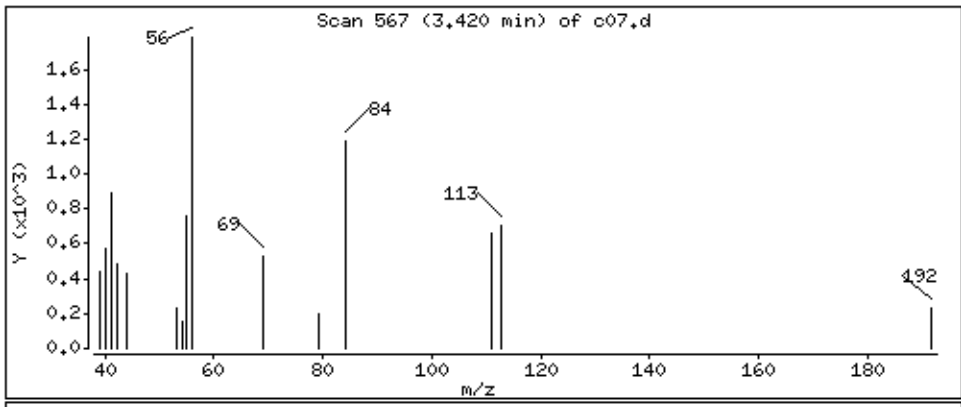
Column phase: DB-624

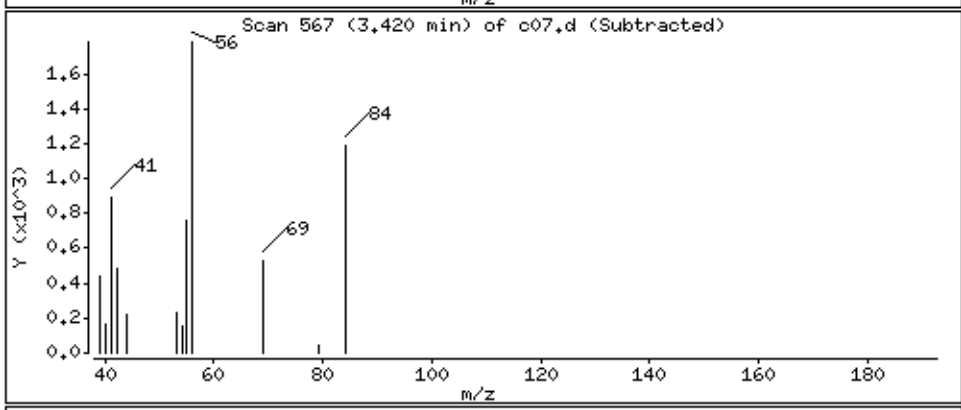
Column diameter: 0.18

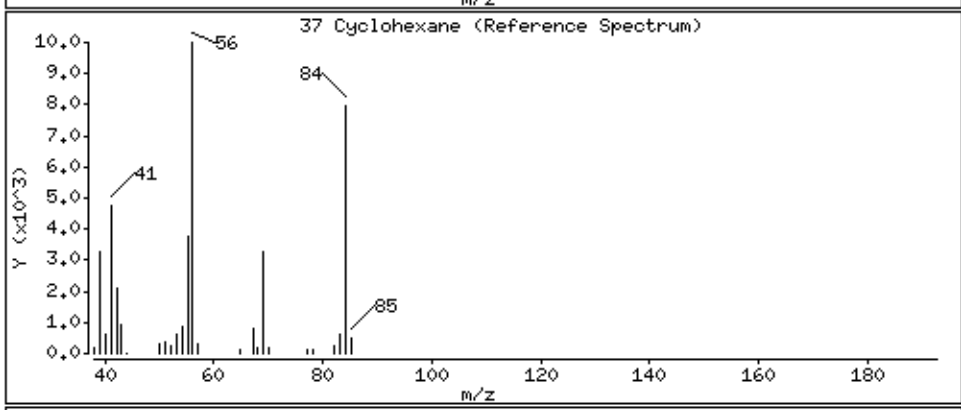
37 Cyclohexane

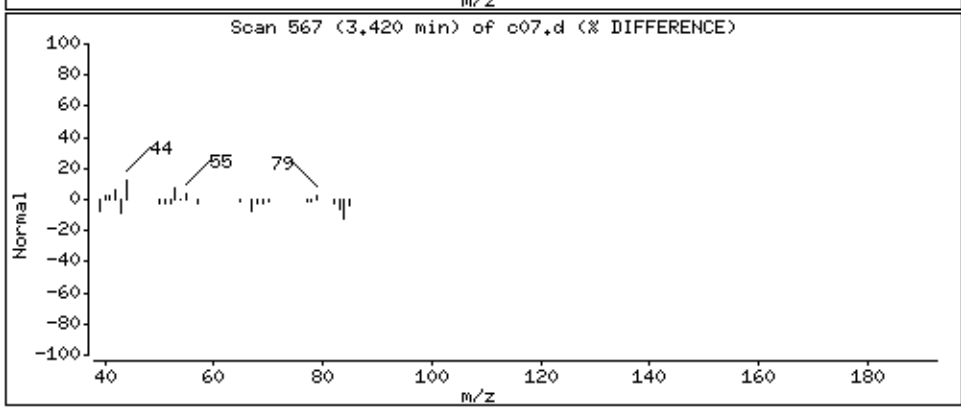
Concentration: 0.970 ppb

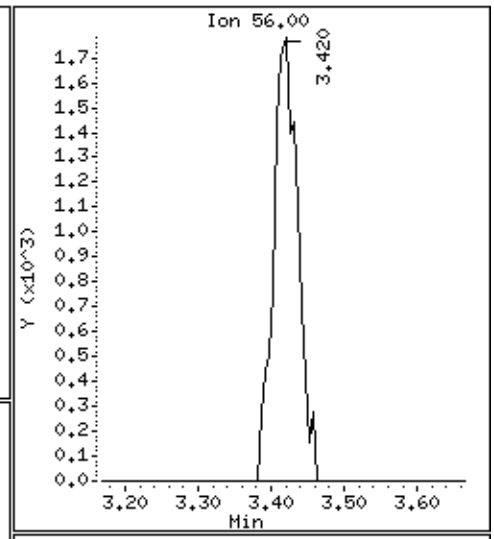
Review Code:

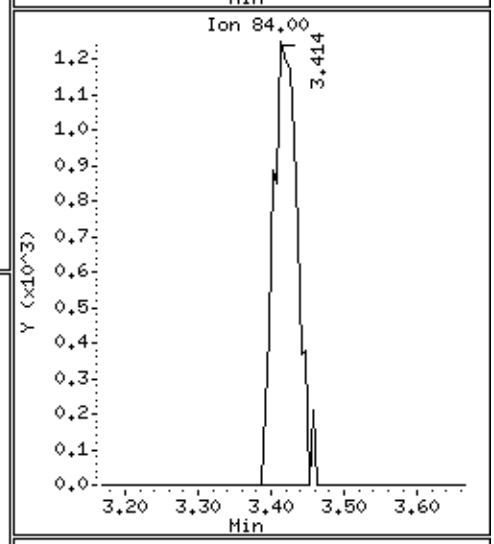


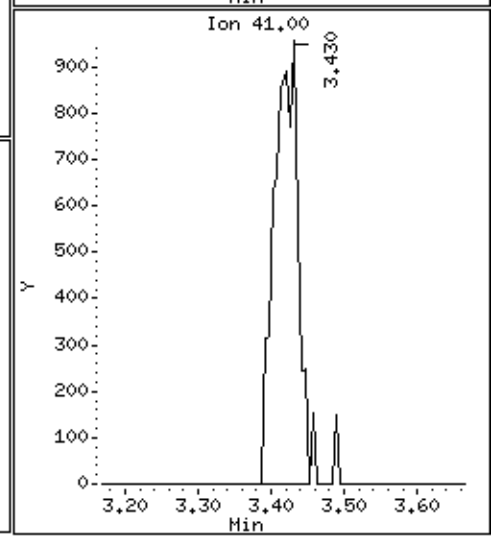












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d

Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

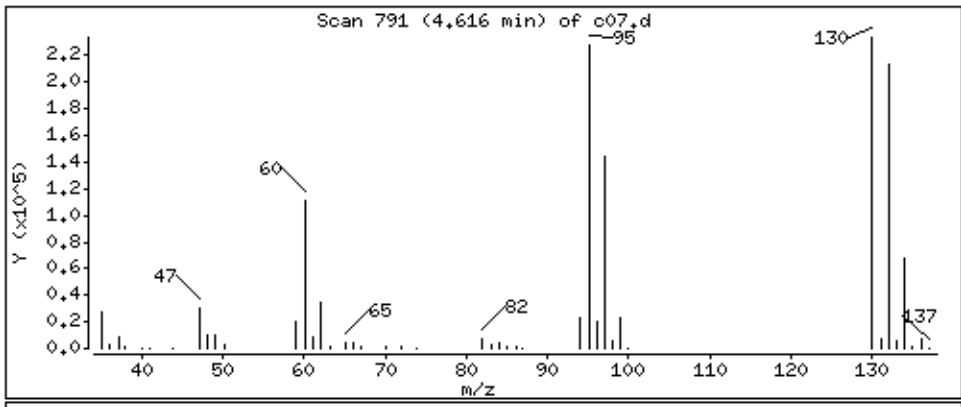
Column phase: DB-624

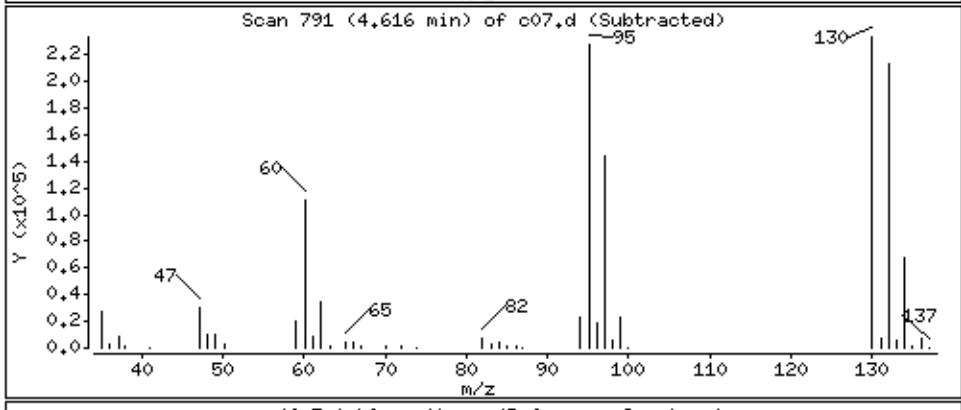
Column diameter: 0.18

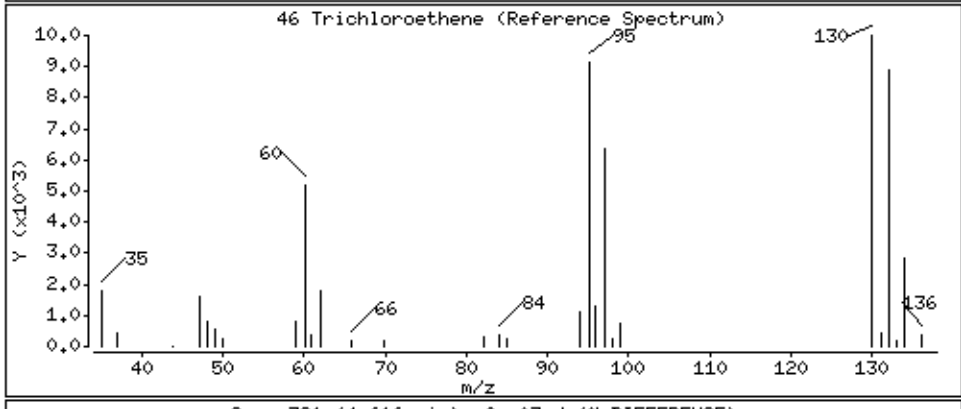
46 Trichloroethene

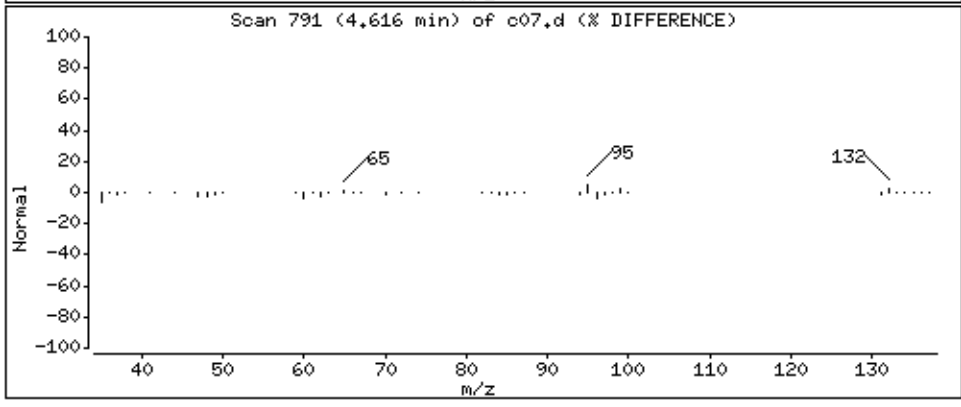
Concentration: 202 ppb

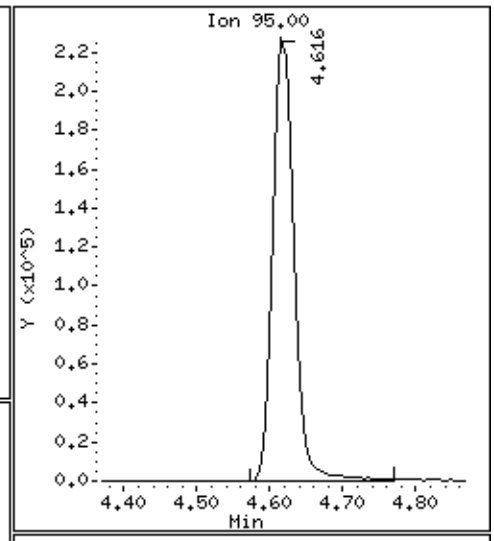
Review Code:

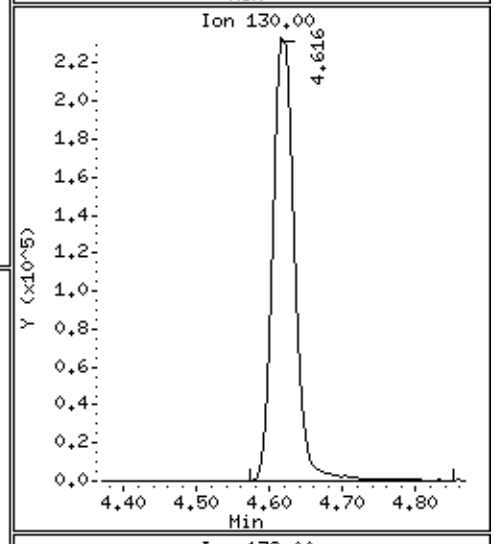


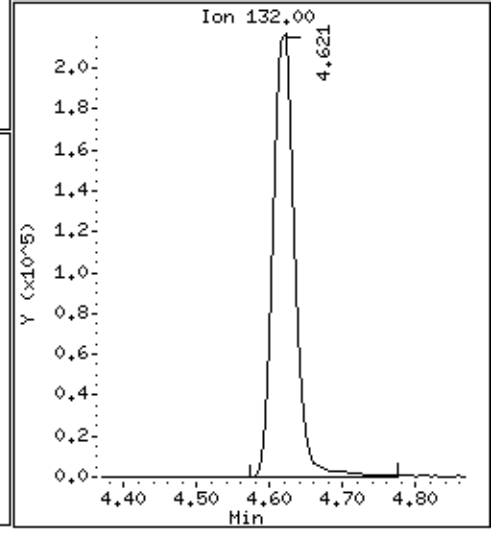












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c07.d

Date : 11-OCT-2016 01:00

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366017

Purge Volume: 5.0

Operator: jlz

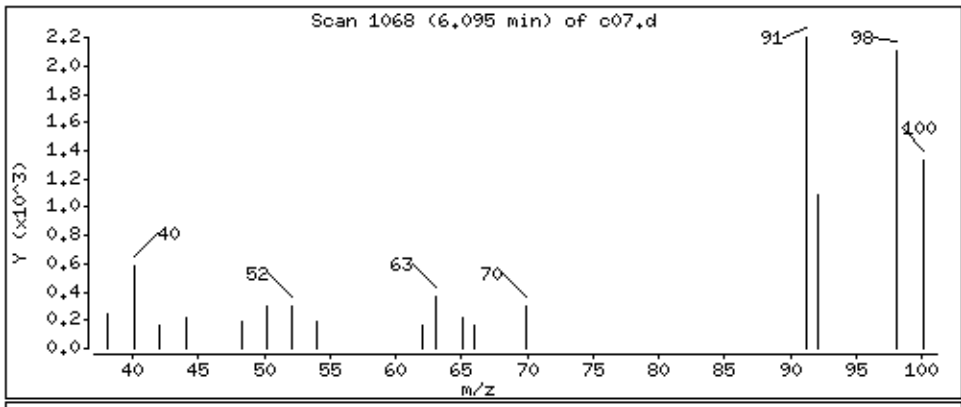
Column phase: DB-624

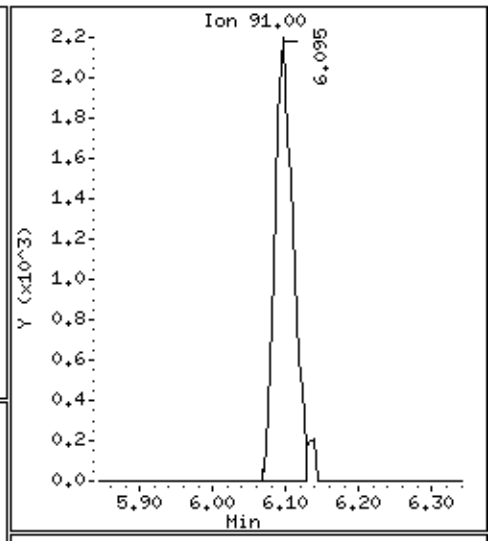
Column diameter: 0.18

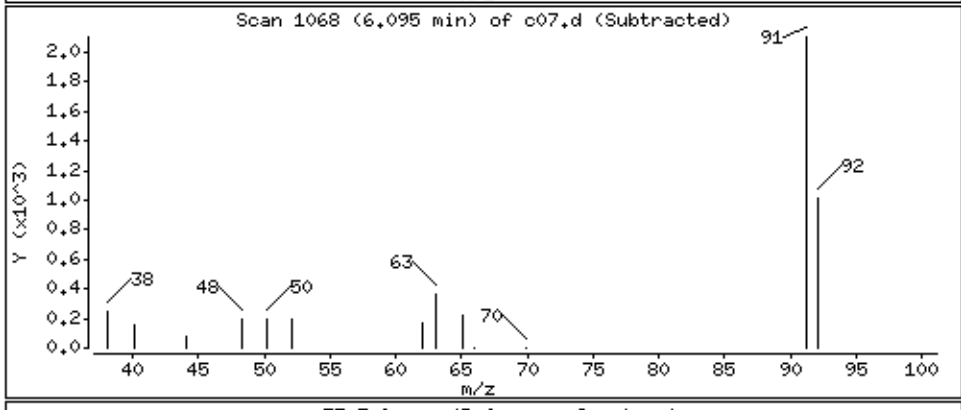
57 Toluene

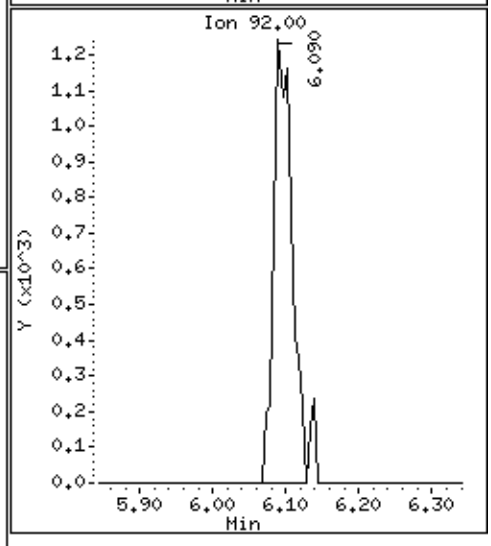
Concentration: 0.355 ppb

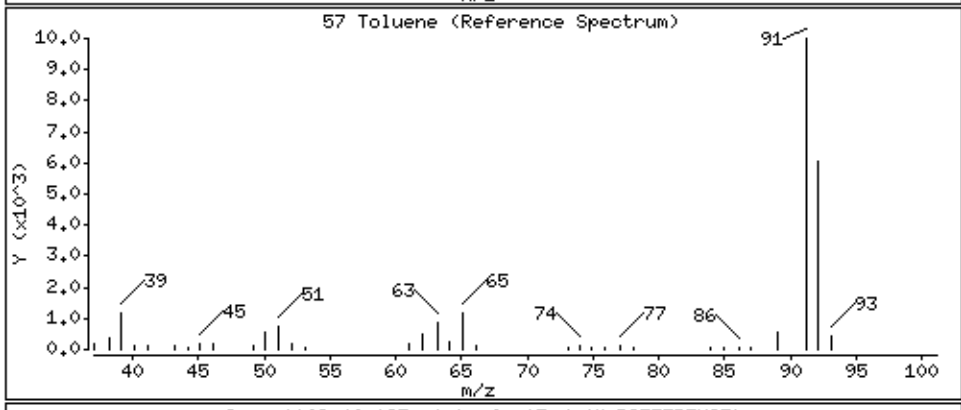
Review Code:

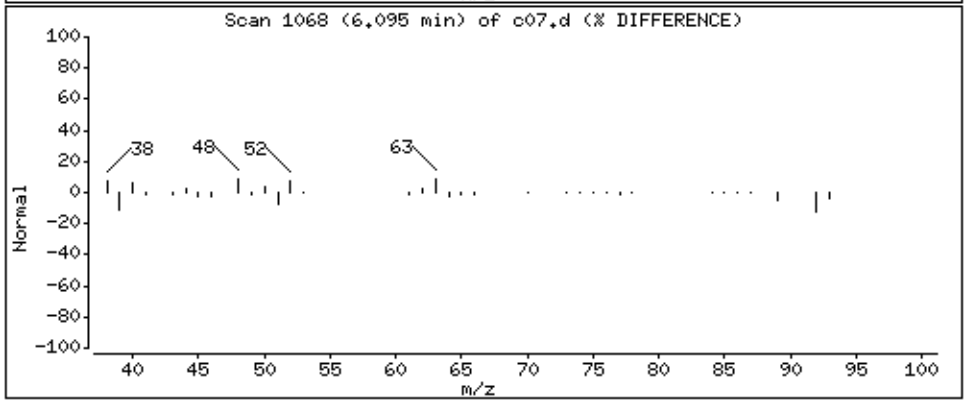












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c07.d
Injection Date: 11-OCT-2016 01:00
Instrument: 50mv3a.i
Lab Sample ID: 50155366017
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0103-S1U(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 03:41 Lab Sample ID: 50155366018

Date Analyzed: 10/07/2016 03:41 Lab File ID: B100616.B\D06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0103-S1U(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 03:41 Lab Sample ID: 50155366018

Date Analyzed: 10/07/2016 03:41 Lab File ID: B100616.B\D06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	9.3	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d
Lab Smp Id: 50155366018 Client Smp ID: MW-0103-S1U(092716)
Inj Date : 07-OCT-2016 03:41
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366018
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 60
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

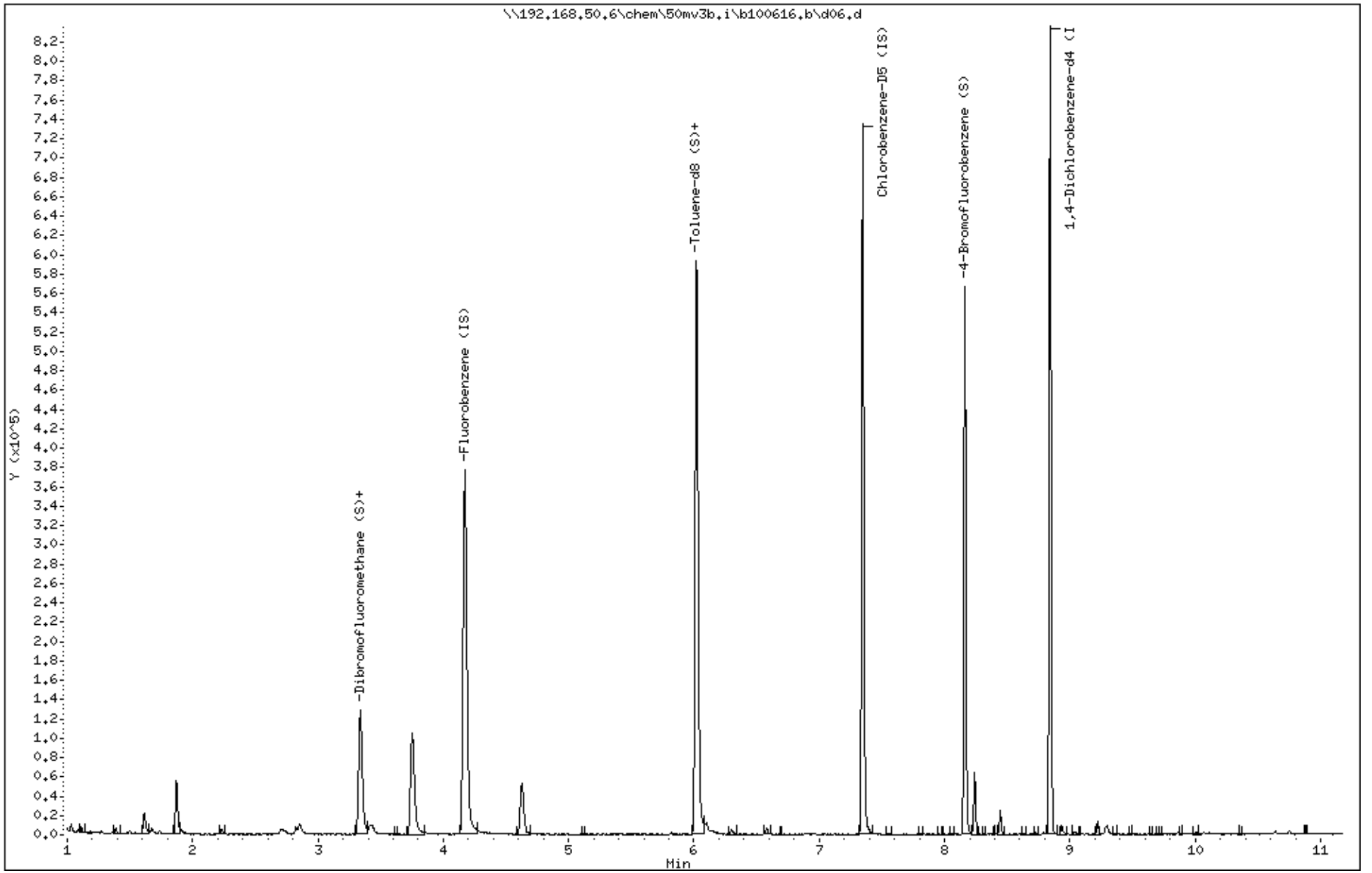
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	12 Acetone	43	1.613	1.610	(0.387)	20342	56.5380	56.5	
	18 Methylene Chloride	84	1.869	1.872	(0.448)	18131	7.14761	7.15	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	2713	1.28082	1.28(Q)	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	85964	47.9759	48.0	
	37 Cyclohexane	56	3.423	3.426	(0.821)	4603	1.16704	1.17	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	389180	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	18105	9.26136	9.26	
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	384628	46.1530	46.2	
	56 Toluene	91	6.099	6.097	(0.831)	4070	0.39291	0.393	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	282101	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	135098	51.4997	51.5	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	137169	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d
Date : 07-OCT-2016 03:41
Client ID: MW-0103-S1U(092716)
Instrument: 50mv3b.i
Sample Info: 50155366018
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d

Date : 07-OCT-2016 03:41

Client ID: MW-0103-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366018

Purge Volume: 5.0

Operator: jlz

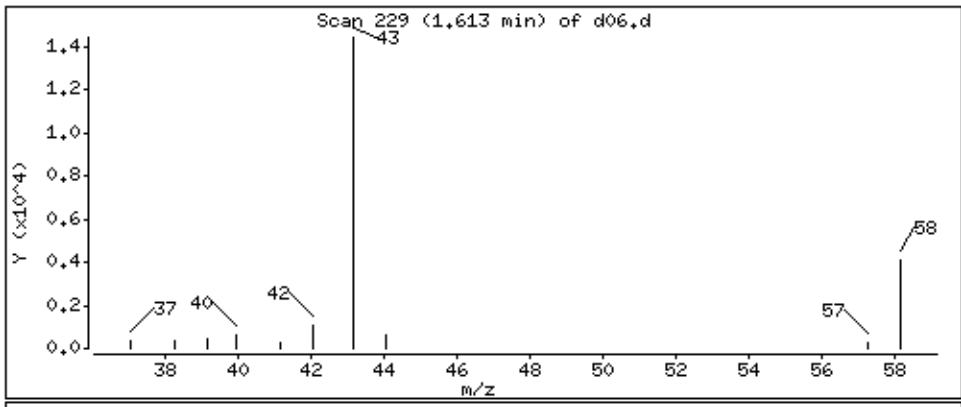
Column phase: DB-624

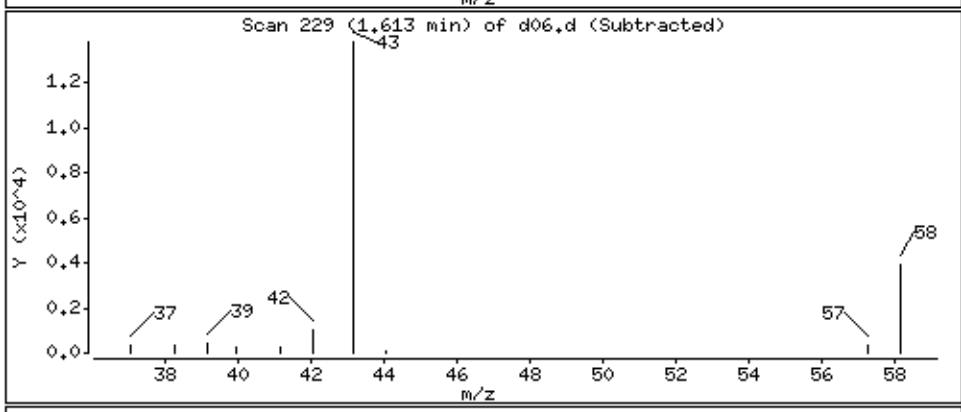
Column diameter: 0.18

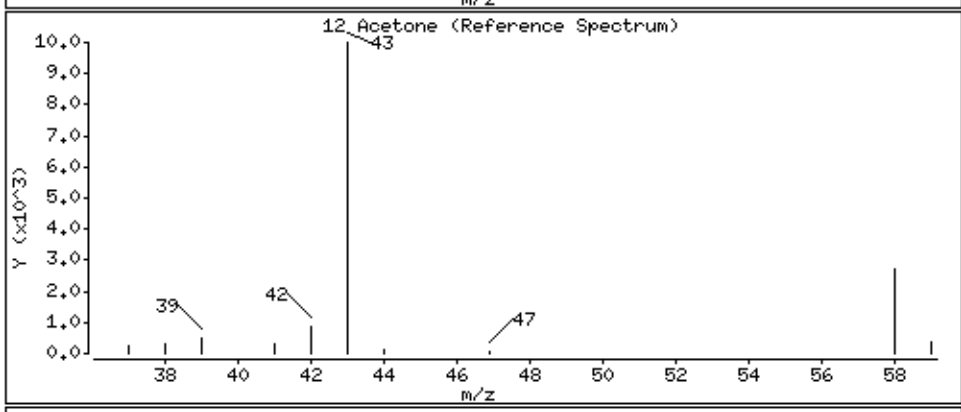
12 Acetone

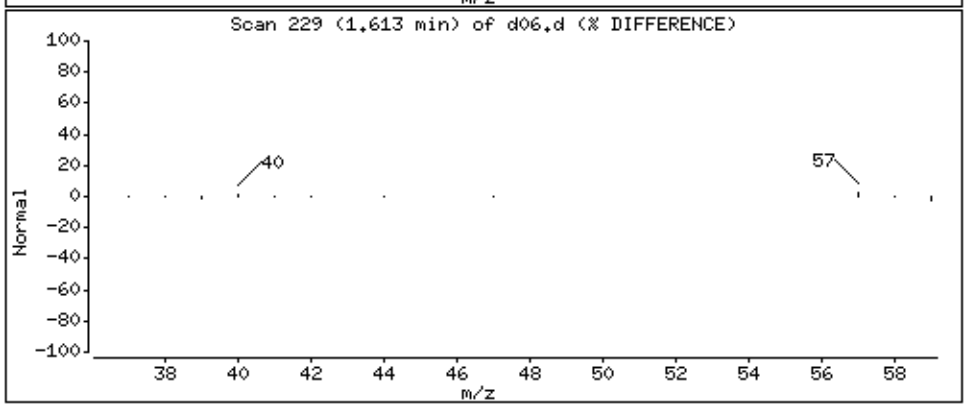
Concentration: 56.5 ppb

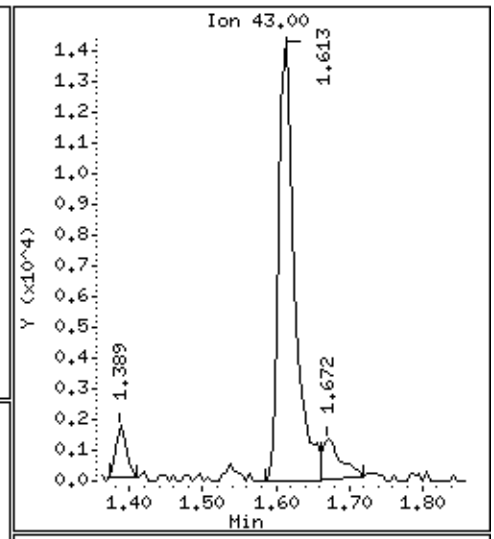
Review Code:

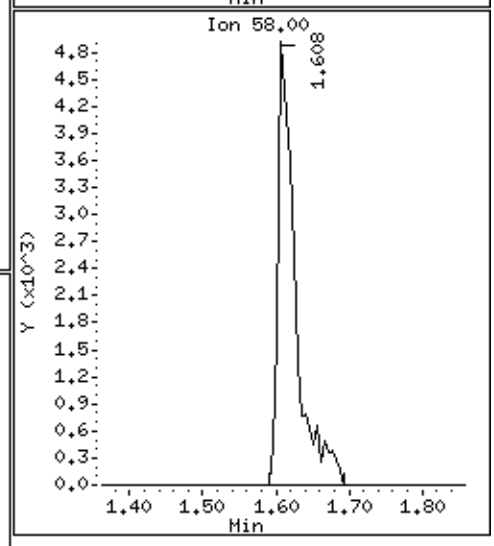












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d

Date : 07-OCT-2016 03:41

Client ID: MW-0103-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366018

Purge Volume: 5.0

Operator: jlz

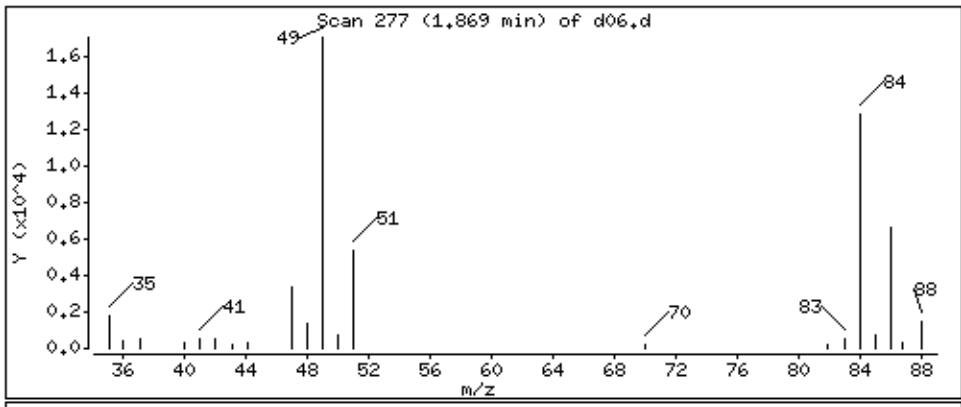
Column phase: DB-624

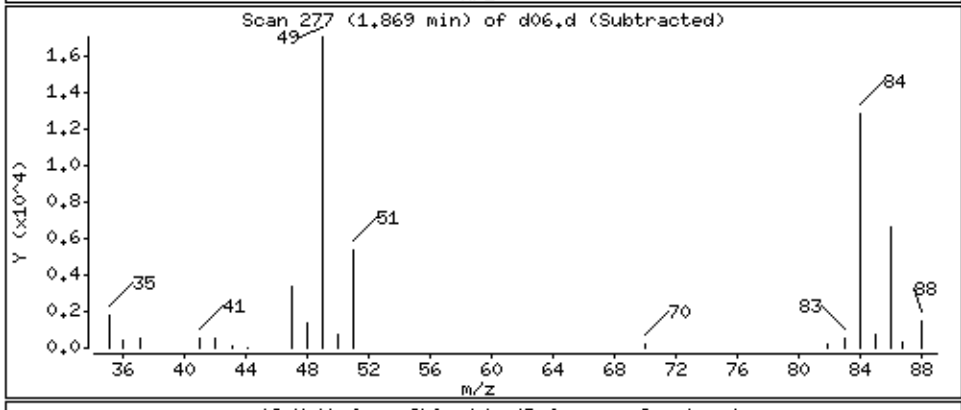
Column diameter: 0.18

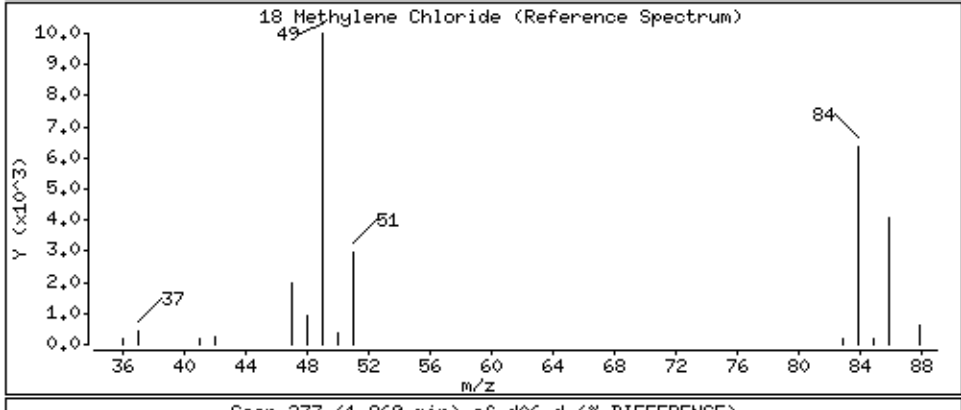
18 Methylene Chloride

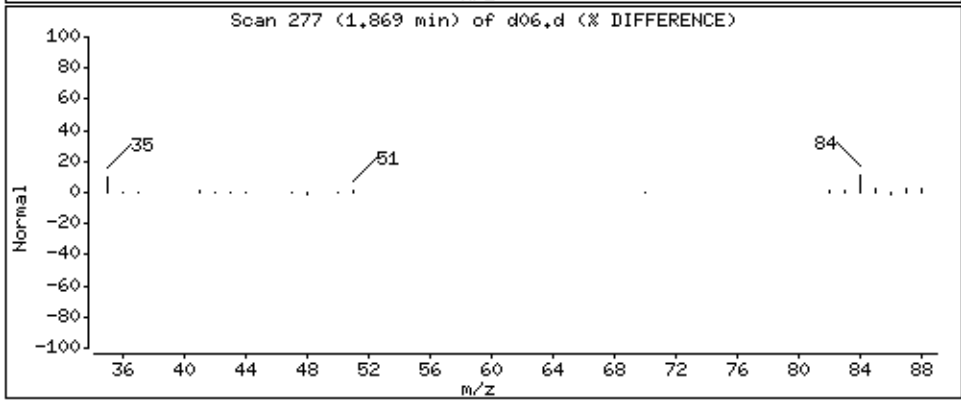
Concentration: 7.15 ppb

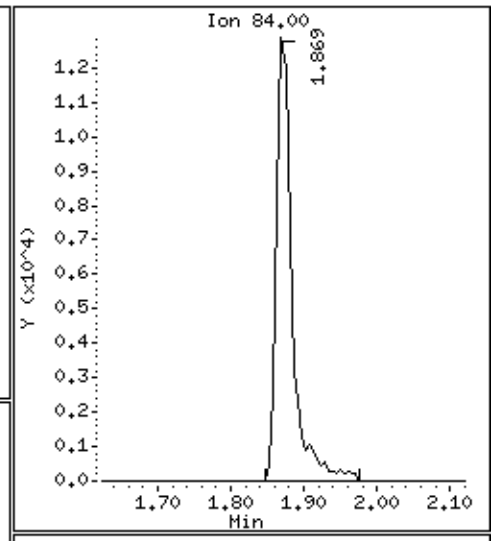
Review Code:

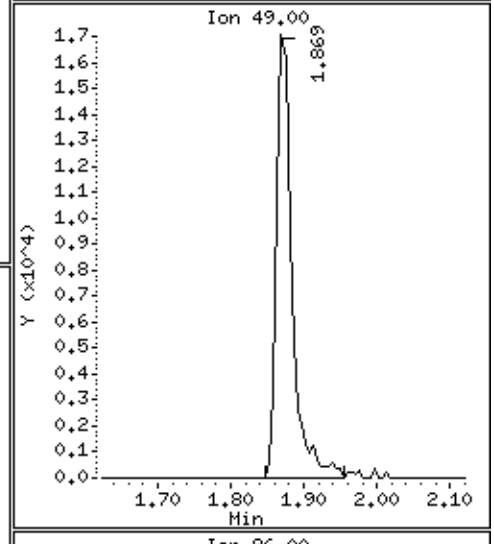


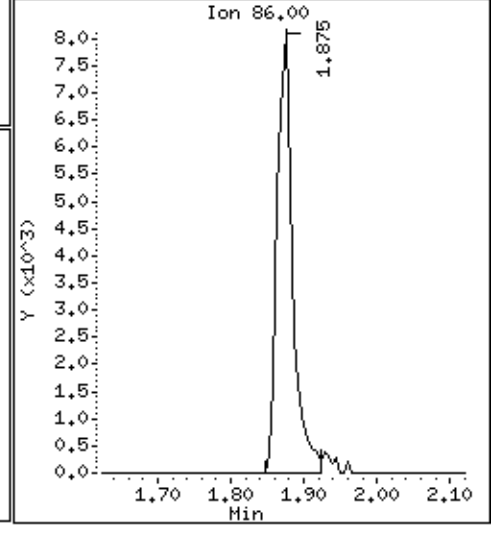












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d

Date : 07-OCT-2016 03:41

Client ID: MW-0103-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366018

Purge Volume: 5.0

Operator: jlz

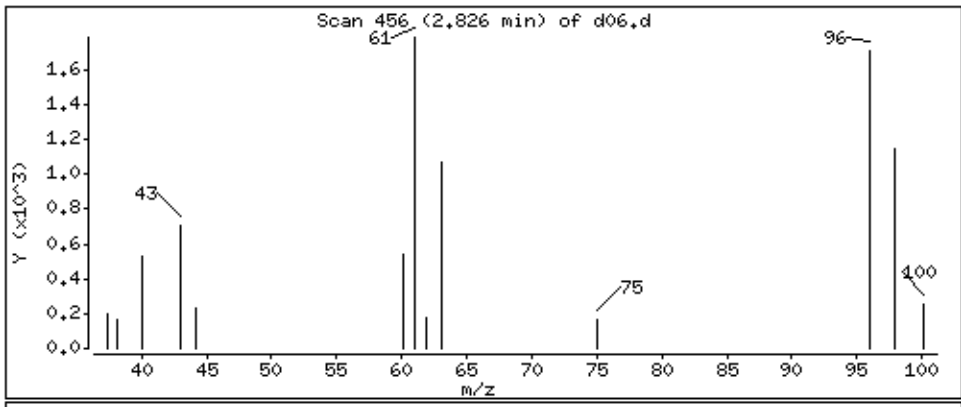
Column phase: DB-624

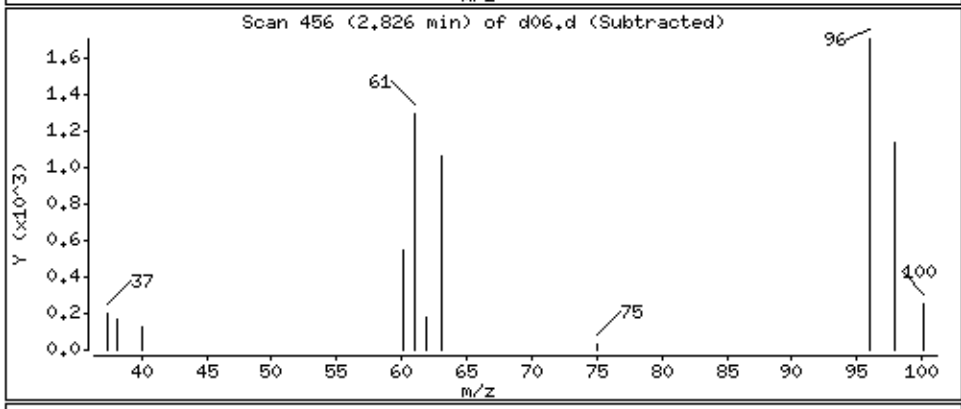
Column diameter: 0.18

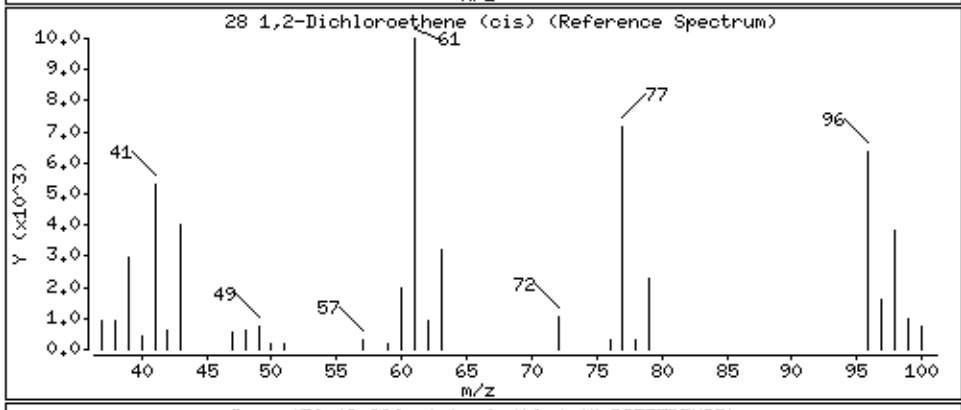
28 1,2-Dichloroethene (cis)

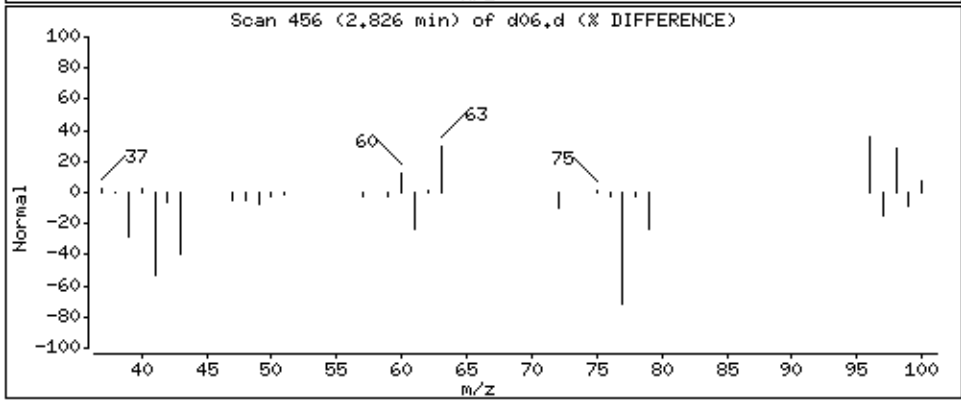
Concentration: 1.28 ppb

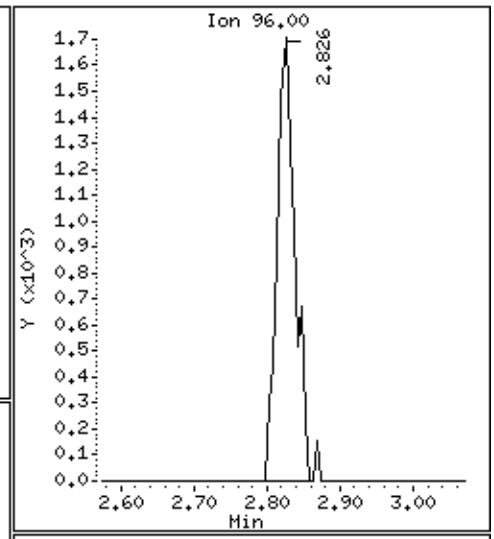
Review Code:

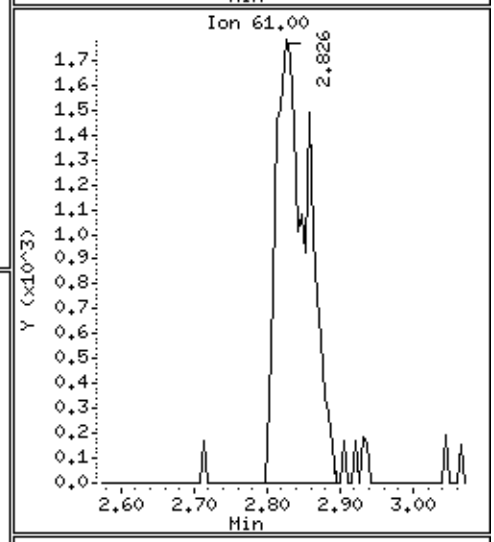


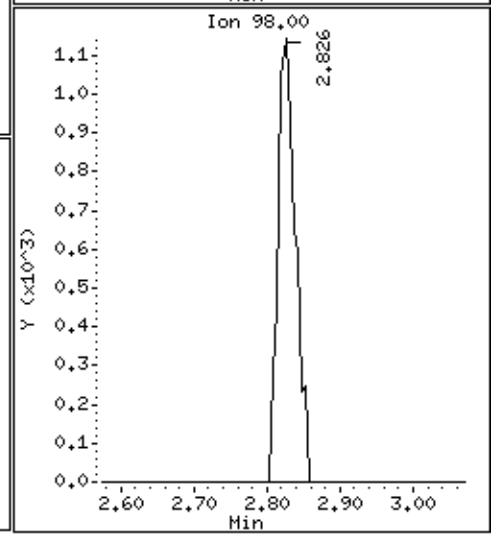












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d

Date : 07-OCT-2016 03:41

Client ID: MW-0103-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366018

Purge Volume: 5.0

Operator: jlz

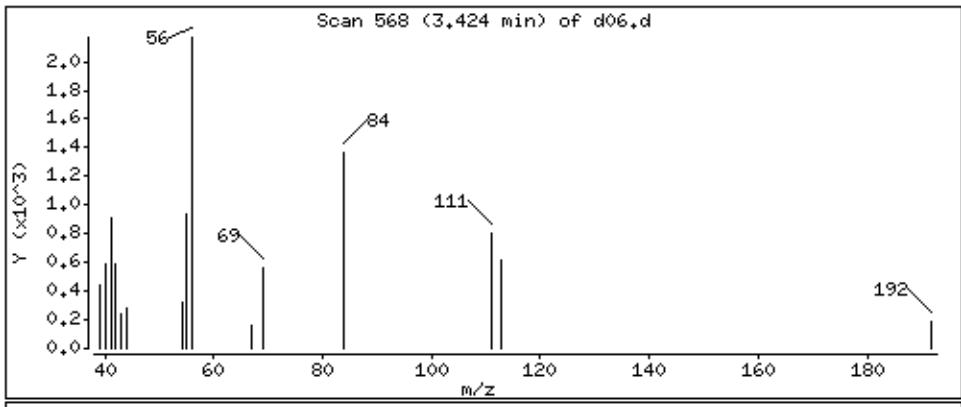
Column phase: DB-624

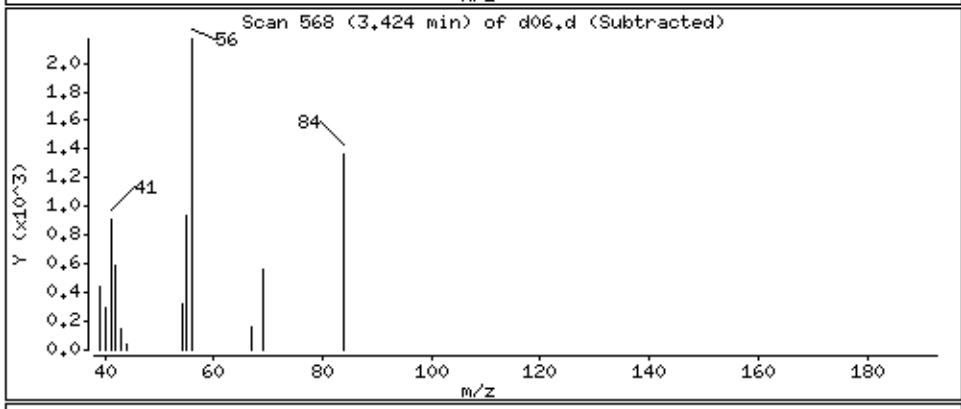
Column diameter: 0.18

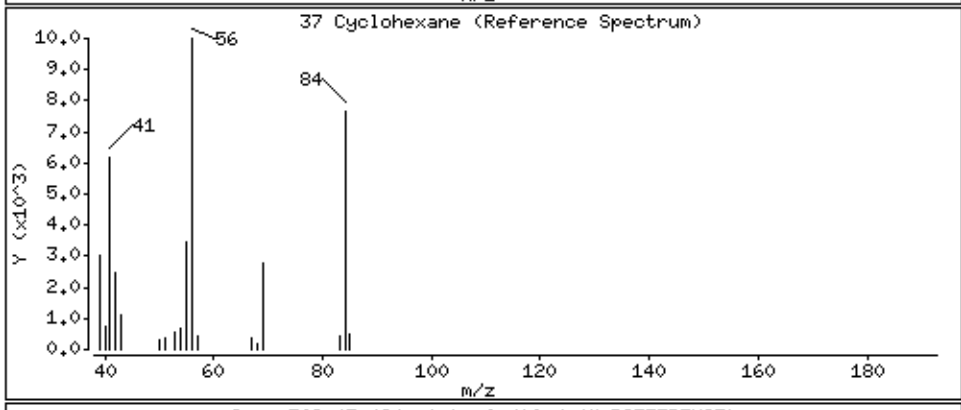
37 Cyclohexane

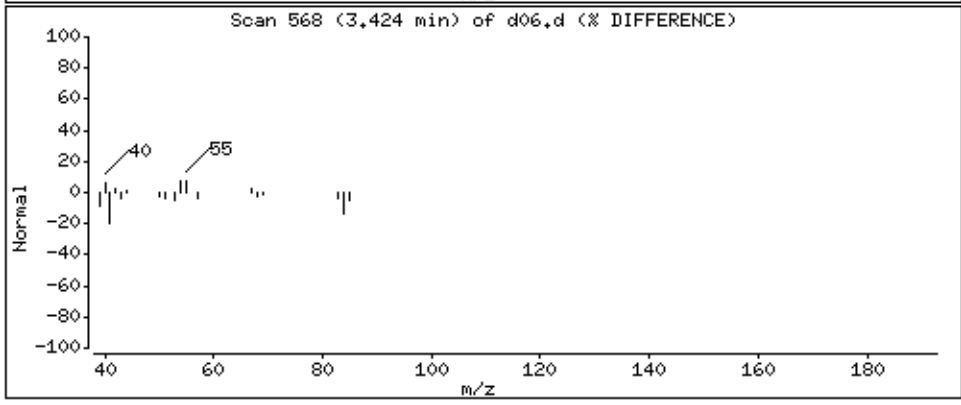
Concentration: 1.17 ppb

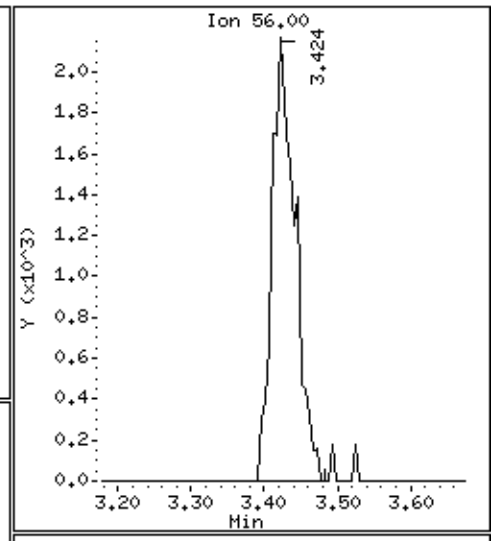
Review Code:

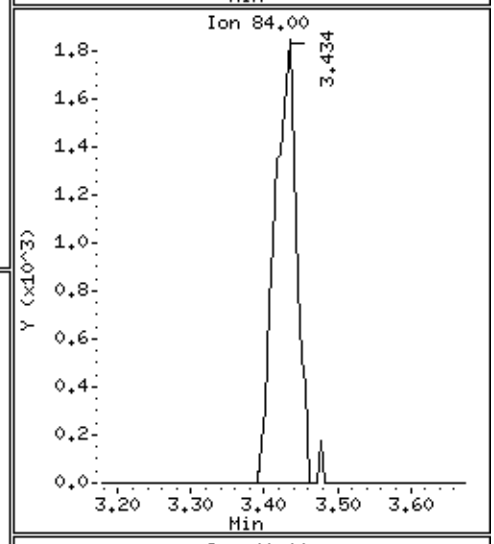


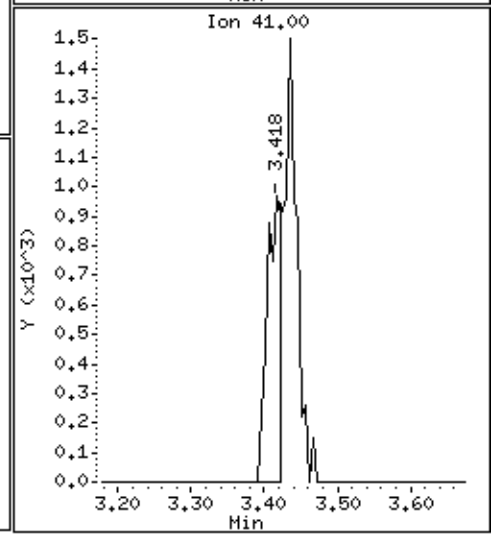












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d

Date : 07-OCT-2016 03:41

Client ID: MW-0103-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366018

Purge Volume: 5.0

Operator: jlz

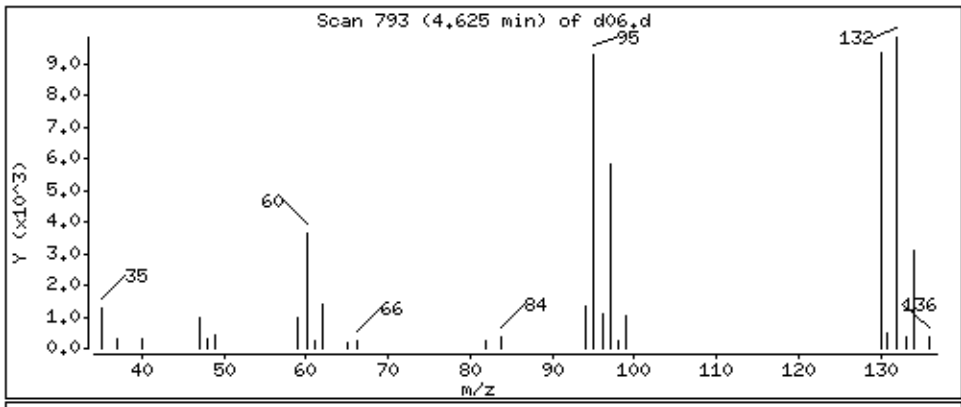
Column phase: DB-624

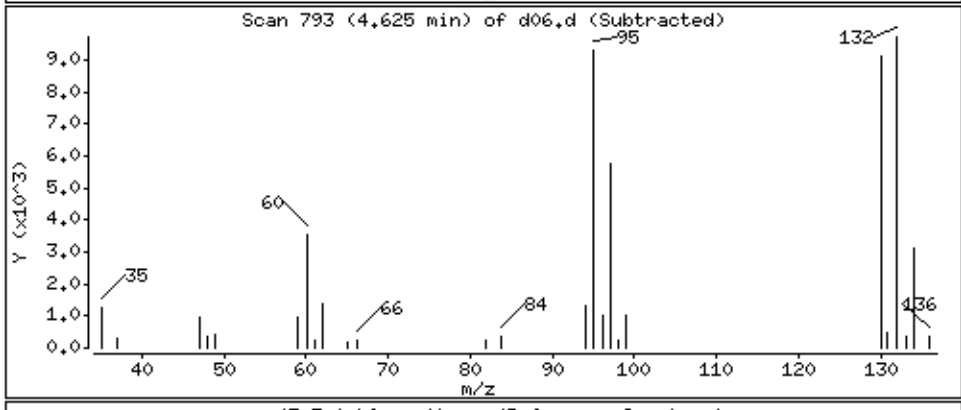
Column diameter: 0.18

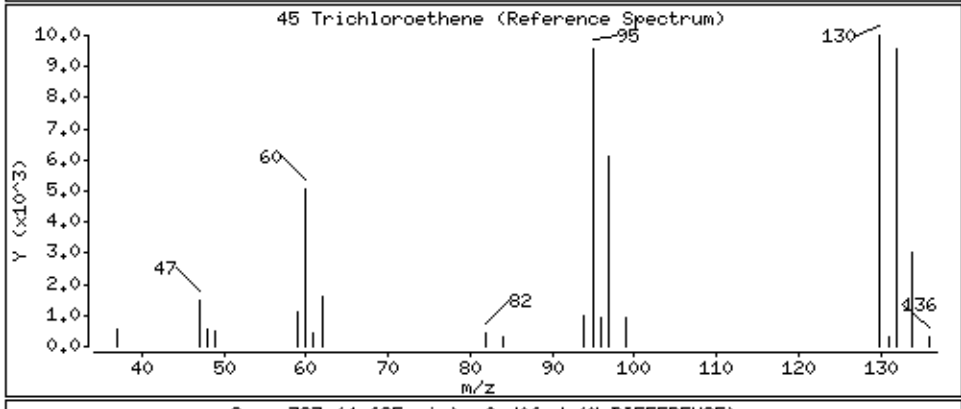
45 Trichloroethene

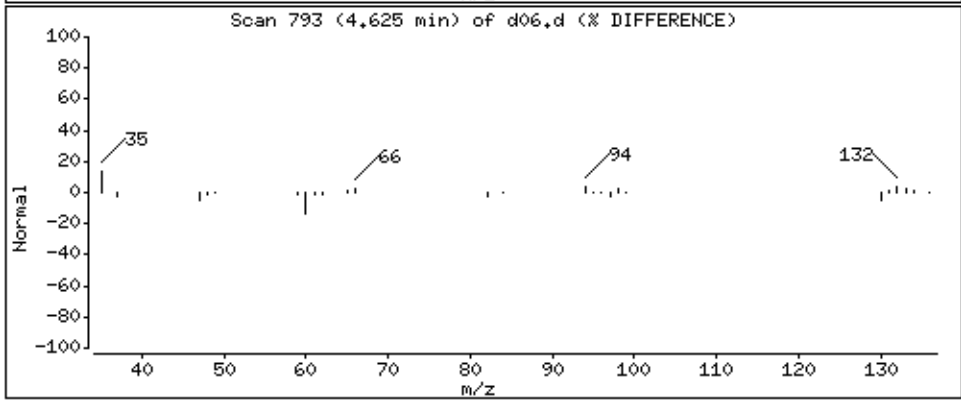
Concentration: 9.26 ppb

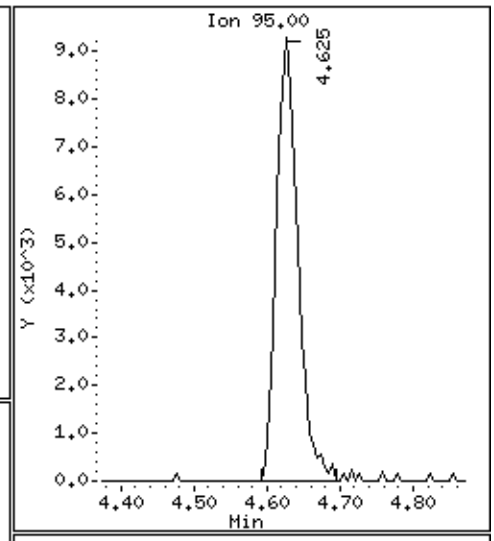
Review Code:

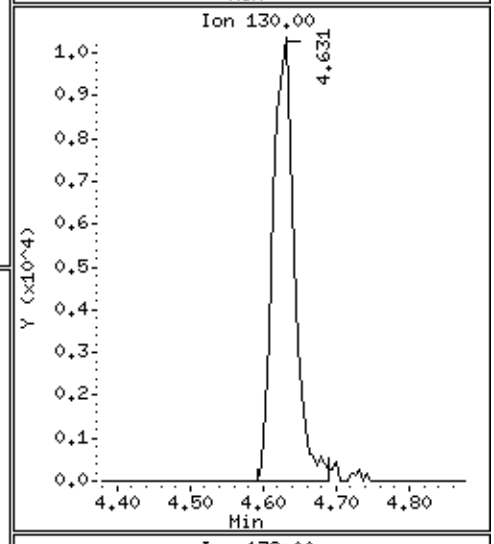


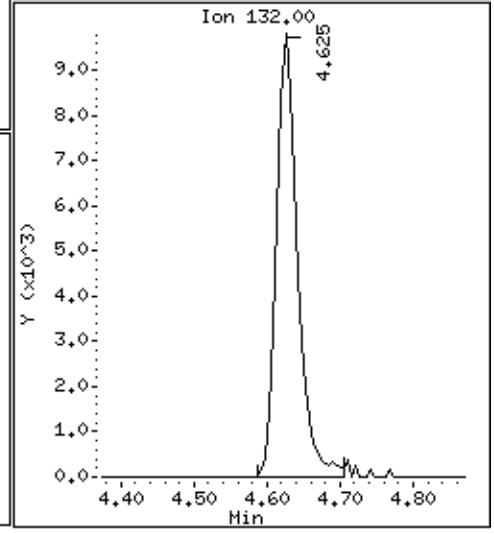












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d06.d

Date : 07-OCT-2016 03:41

Client ID: MW-0103-S1U(092716)

Instrument: 50mv3b.i

Sample Info: 50155366018

Purge Volume: 5.0

Operator: jlz

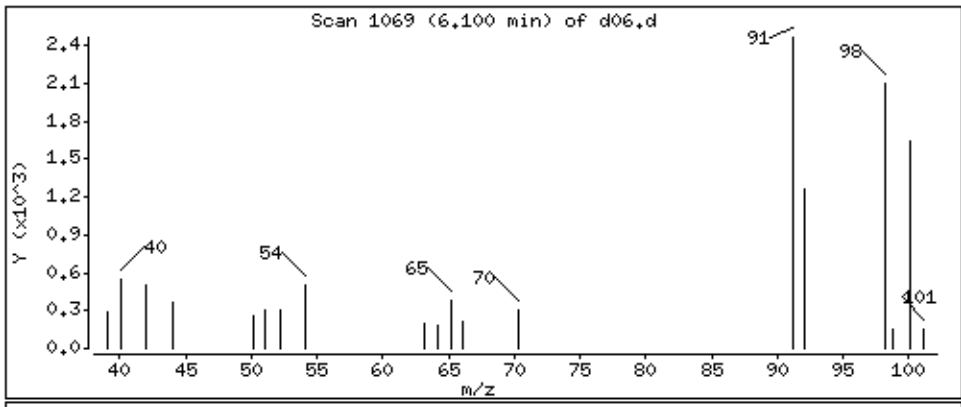
Column phase: DB-624

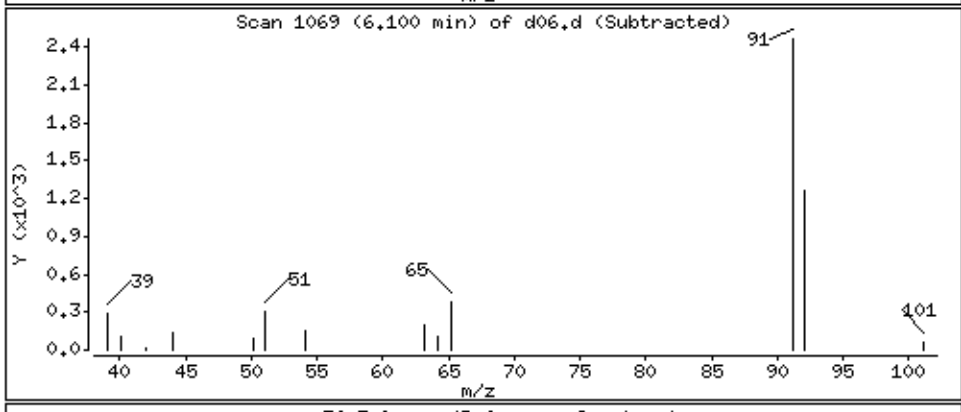
Column diameter: 0.18

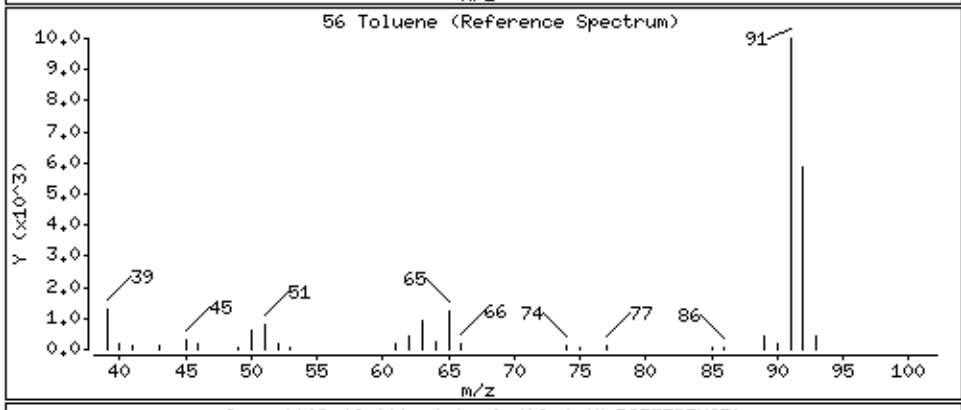
56 Toluene

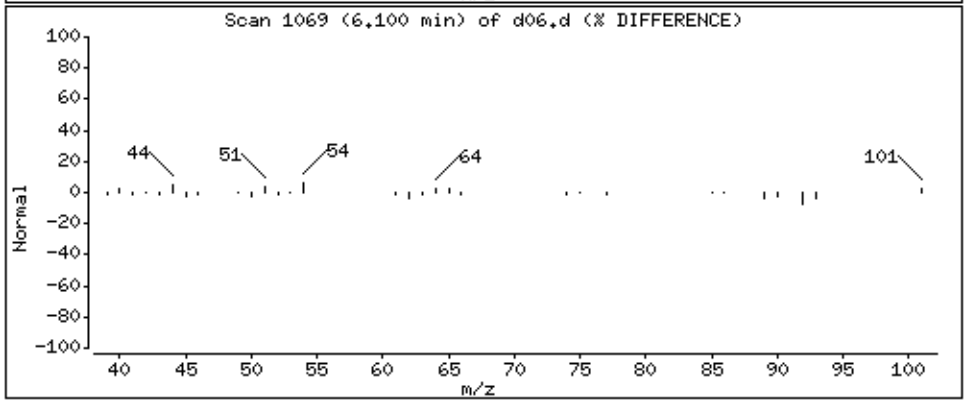
Concentration: 0.393 ppb

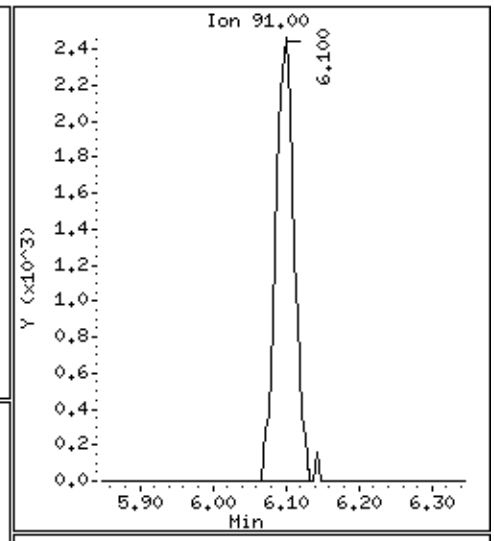
Review Code:

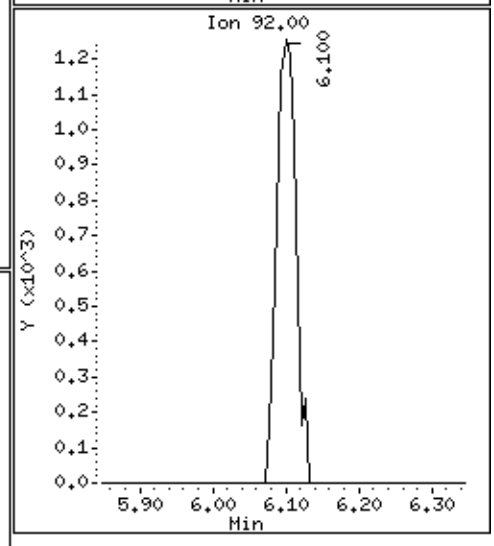












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d06.d
Injection Date: 07-OCT-2016 03:41
Instrument: 50mv3b.i
Lab Sample ID: 50155366018
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0623-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana | Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 | Matrix: Water | SDG No.: 50155366

Date Extracted: 10/07/2016 04:13 | Lab Sample ID: 50155366019

Date Analyzed: 10/07/2016 04:13 | Lab File ID: B100616.B\D07.D

Initial wt/vol: 5 mL | Final wt/vol: 5 mL | Dilution: 1 | Instrument: 50MV3B | Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	6.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0623-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 04:13 Lab Sample ID: 50155366019

Date Analyzed: 10/07/2016 04:13 Lab File ID: B100616.B\D07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d07.d
Lab Smp Id: 50155366019 Client Smp ID: MW-0623-S1(092716)P
Inj Date : 07-OCT-2016 04:13
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366019
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 62
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

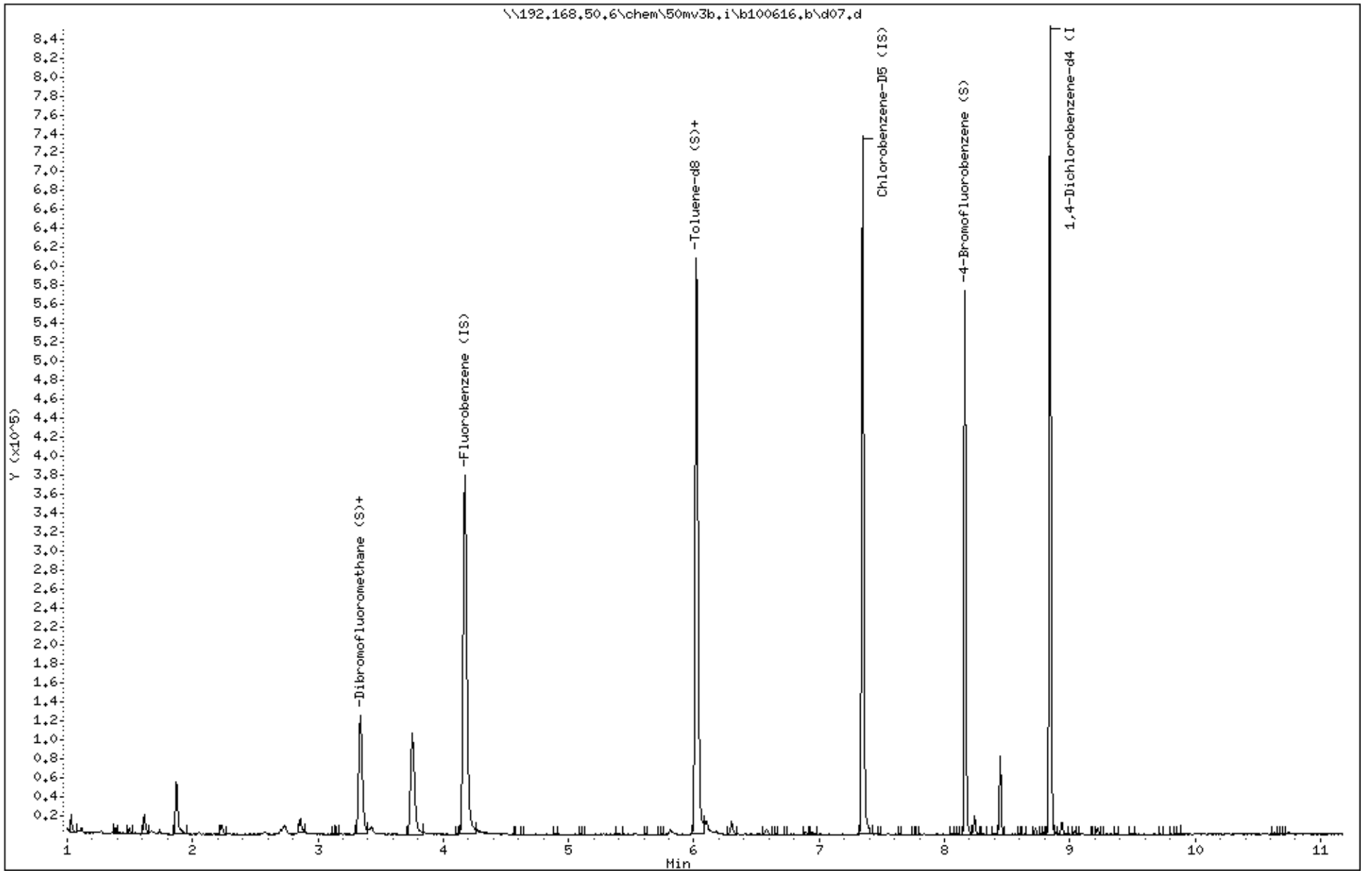
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.613	1.610	(0.387)	20386	56.6063	56.6	
	18 Methylene Chloride	84	1.875	1.872	(0.450)	17763	6.94149	6.94	
$	35 Dibromofluoromethane (S)	113	3.339	3.341	(0.800)	84422	47.0704	47.1	
	37 Cyclohexane	56	3.424	3.426	(0.821)	2625	0.66490	0.665	
*	44 Fluorobenzene (IS)	96	4.172	4.174	(1.000)	389551	50.0000		
$	55 Toluene-d8 (S)	98	6.020	6.022	(0.820)	383638	46.2237	46.2	
	56 Toluene	91	6.100	6.097	(0.831)	5650	0.54769	0.548	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	280944	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.162	8.164	(1.111)	135669	51.9303	51.9	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.842	(1.000)	132988	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d07.d
Date : 07-OCT-2016 04:13
Client ID: MW-0623-S1(092716)P
Instrument: 50mv3b.i
Sample Info: 50155366019
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 04:13

Client ID: MW-0623-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366019

Purge Volume: 5.0

Operator: jlz

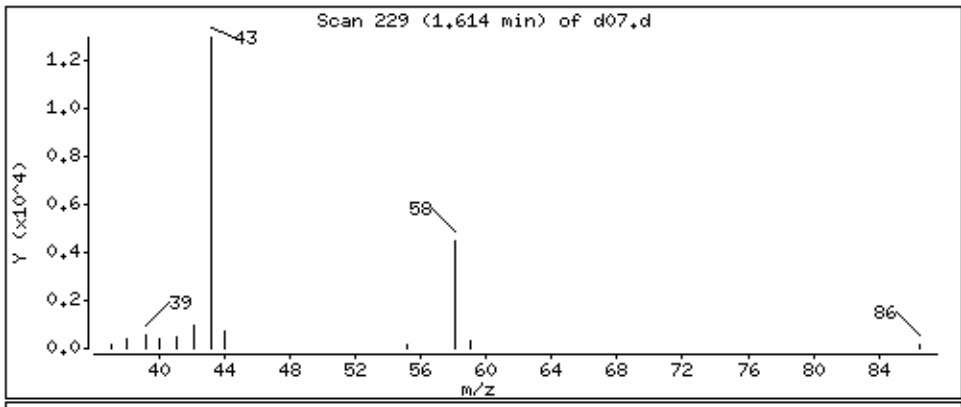
Column phase: DB-624

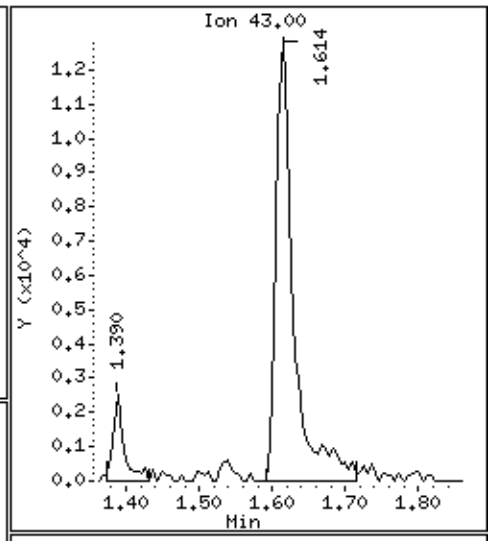
Column diameter: 0.18

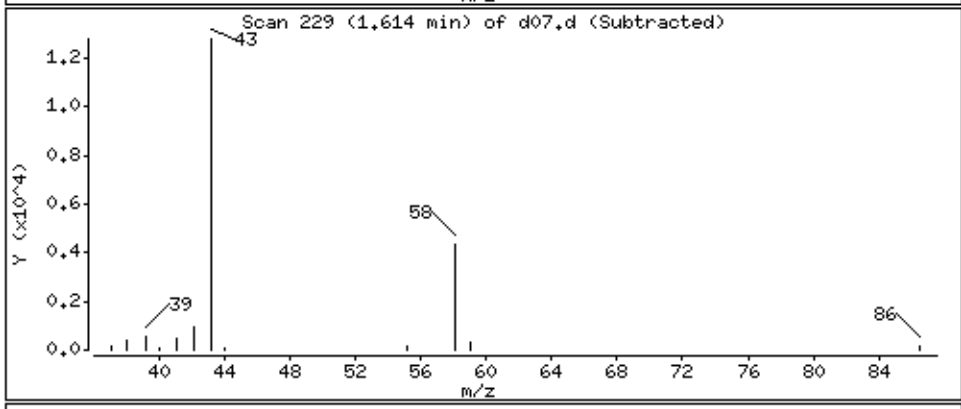
12 Acetone

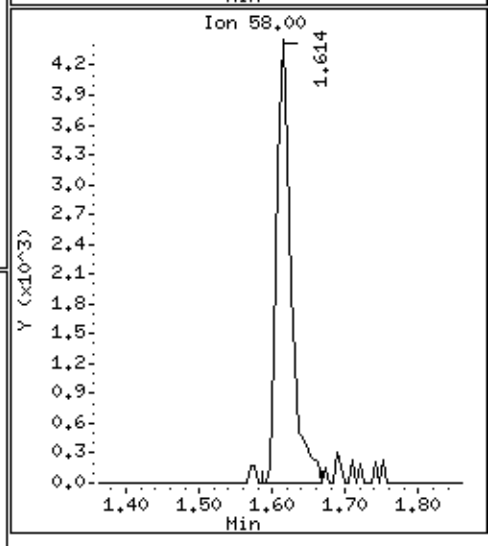
Concentration: 56.6 ppb

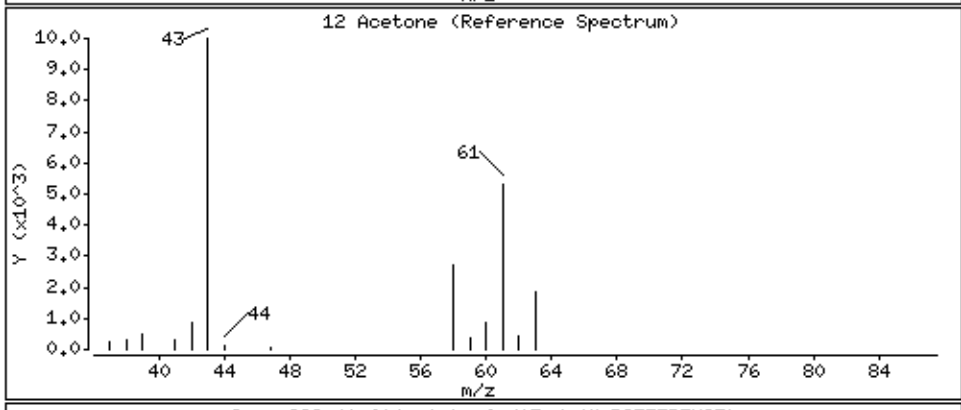
Review Code:

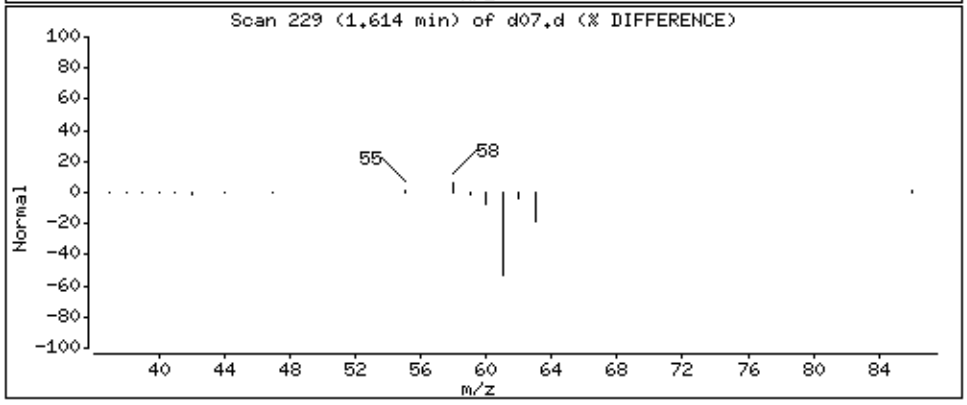












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Date : 07-OCT-2016 04:13

Client ID: MW-0623-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366019

Purge Volume: 5.0

Operator: jlz

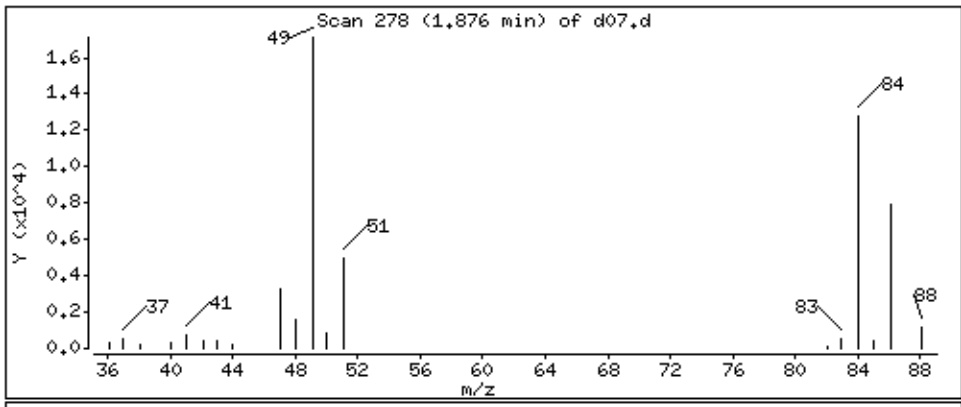
Column phase: DB-624

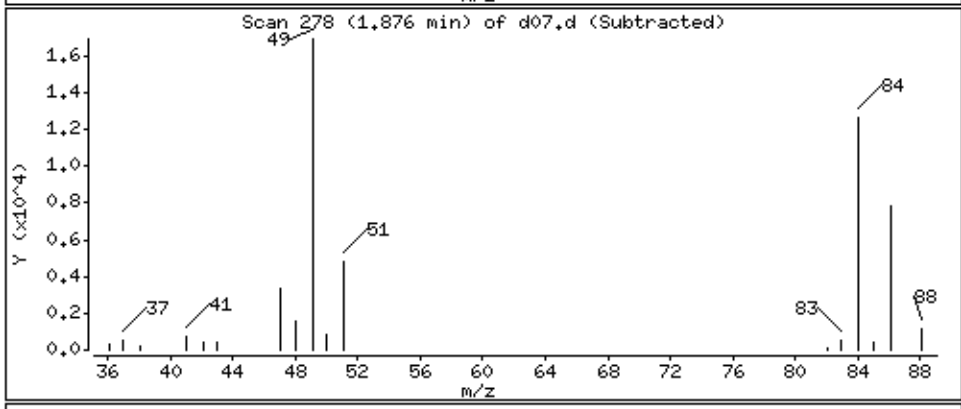
Column diameter: 0.18

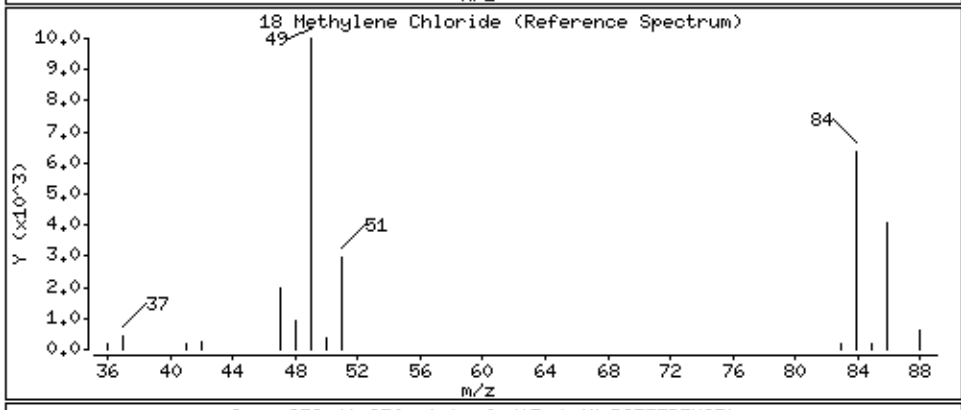
18 Methylene Chloride

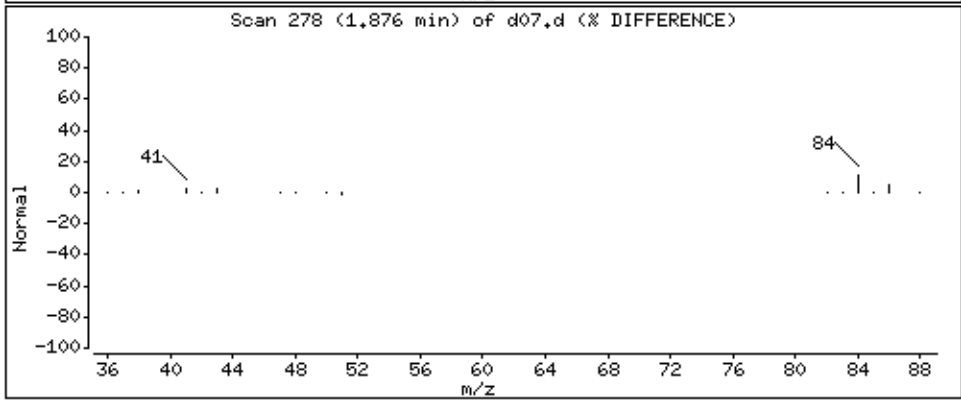
Concentration: 6.94 ppb

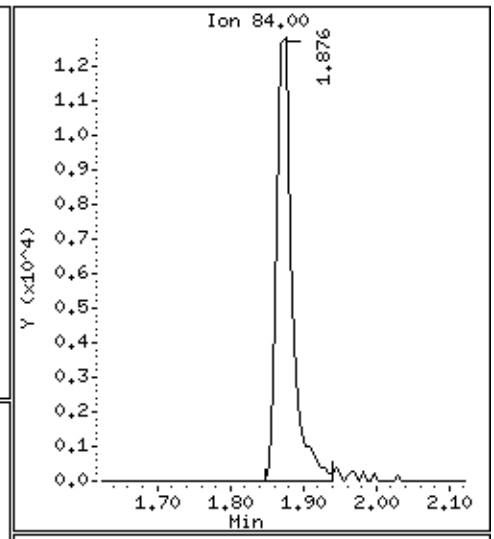
Review Code:

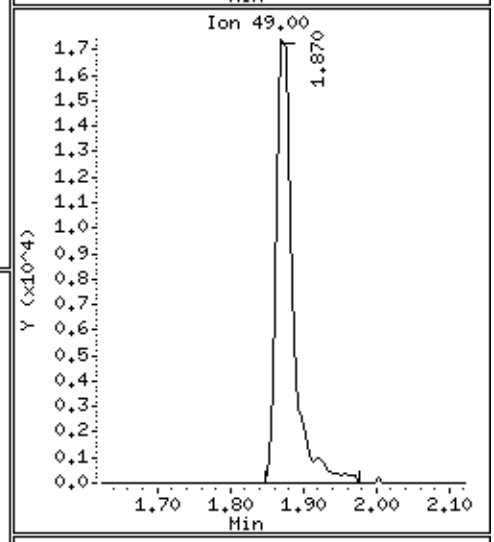


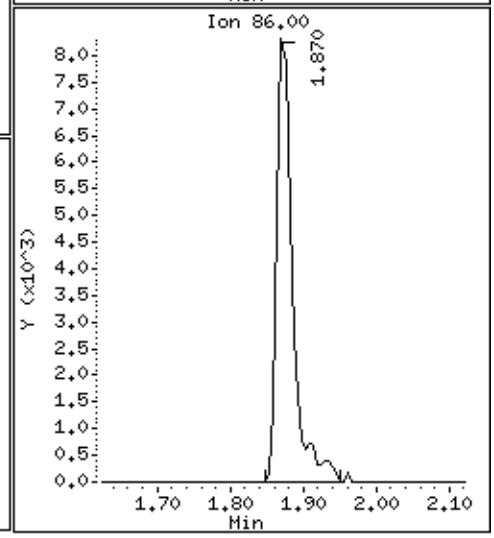












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d07.d

Date : 07-OCT-2016 04:13

Client ID: MW-0623-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366019

Purge Volume: 5.0

Operator: jlz

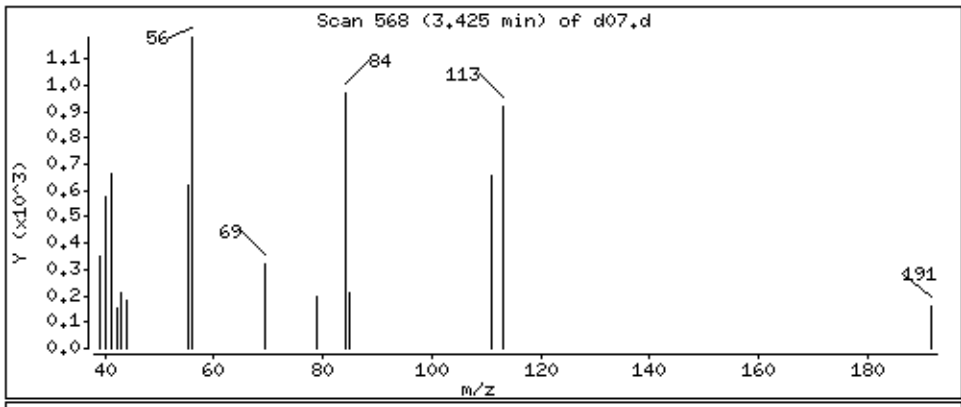
Column phase: DB-624

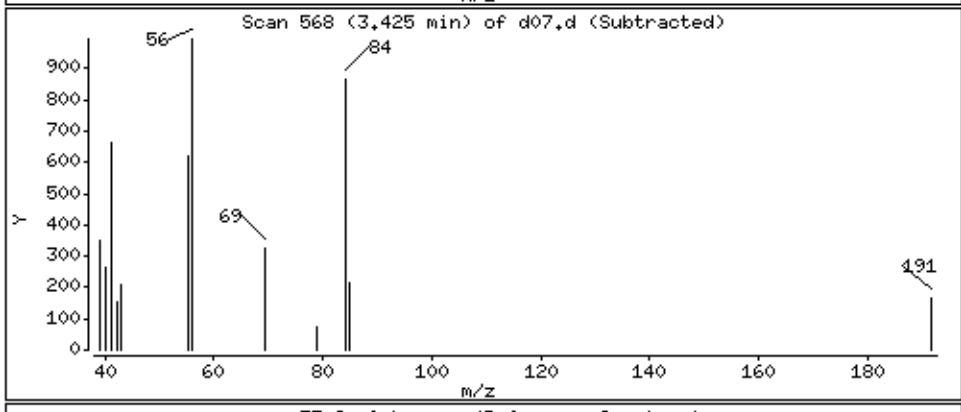
Column diameter: 0.18

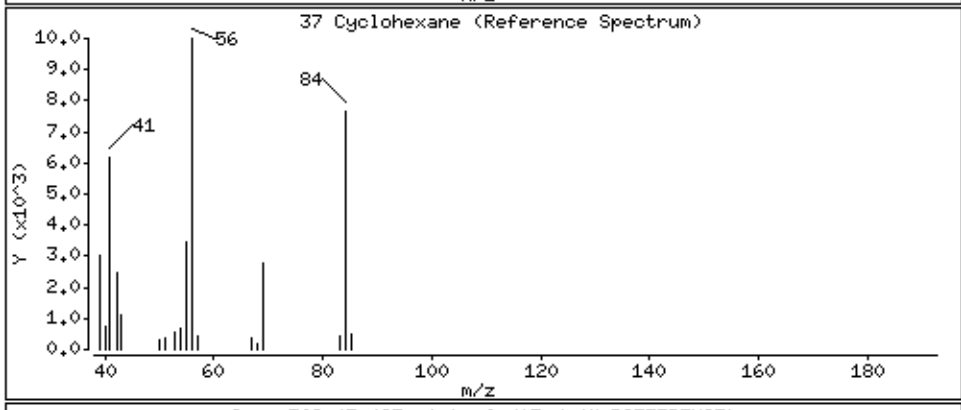
37 Cyclohexane

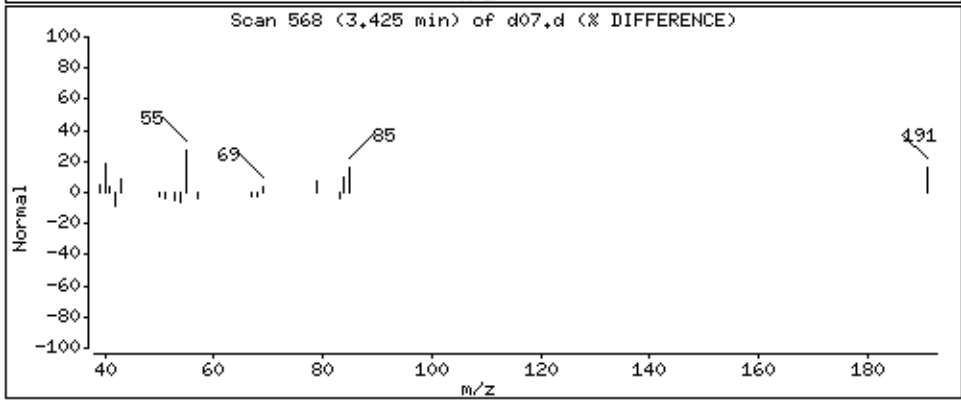
Concentration: 0.665 ppb

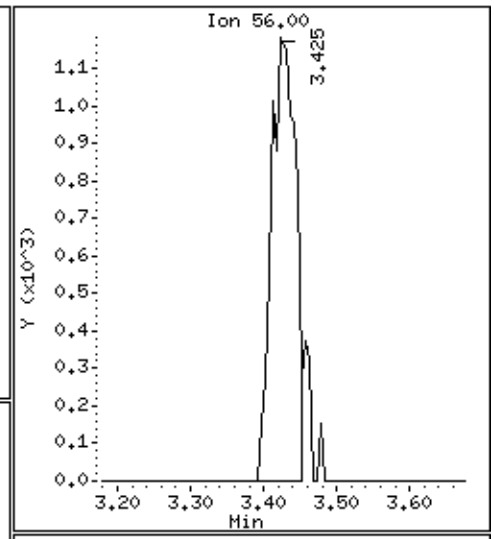
Review Code:

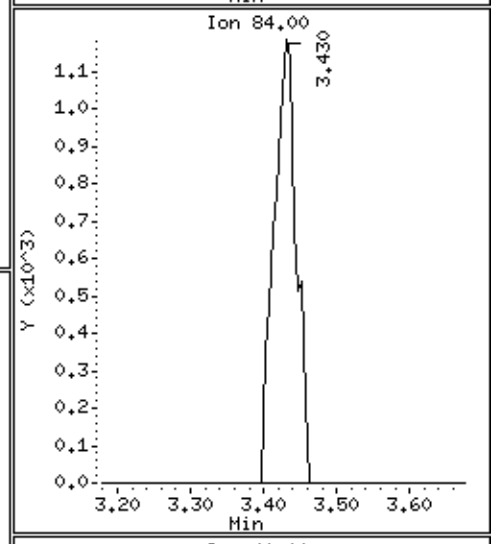


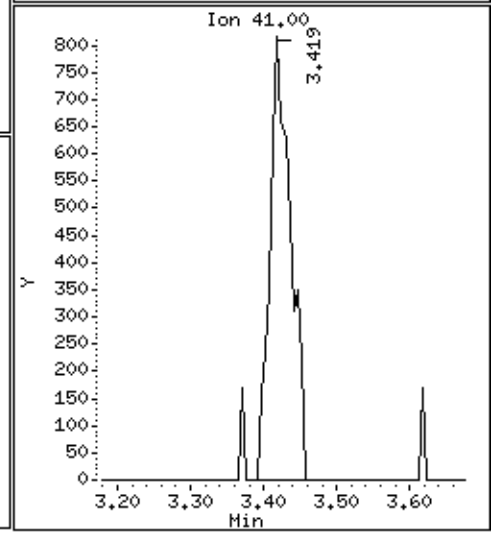












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d07.d

Date : 07-OCT-2016 04:13

Client ID: MW-0623-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366019

Purge Volume: 5.0

Operator: jlz

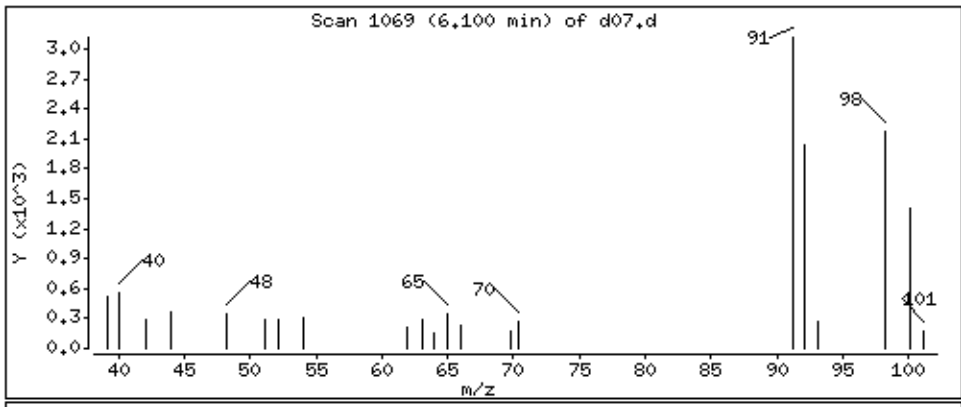
Column phase: DB-624

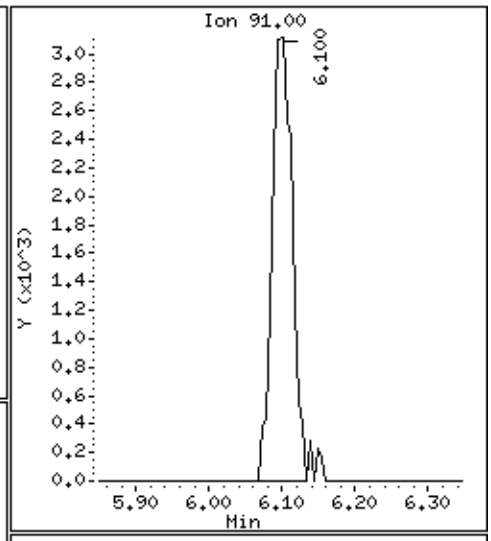
Column diameter: 0.18

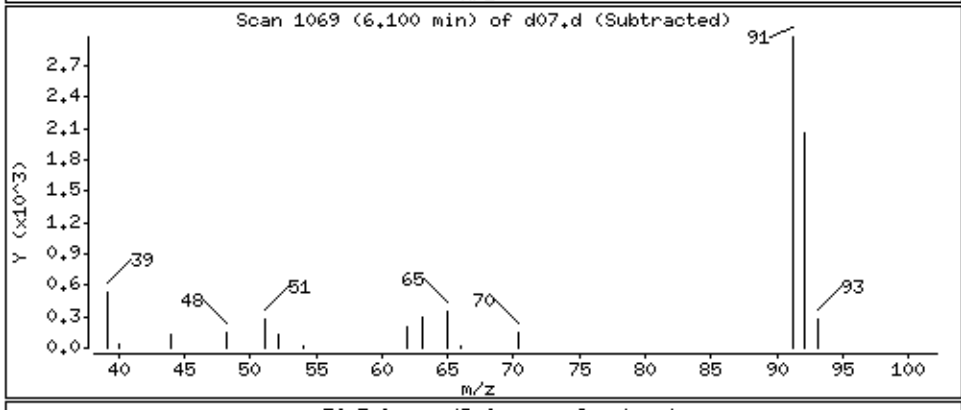
56 Toluene

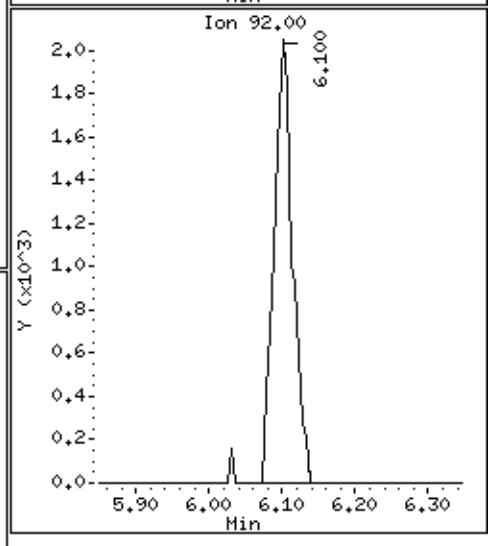
Concentration: 0.548 ppb

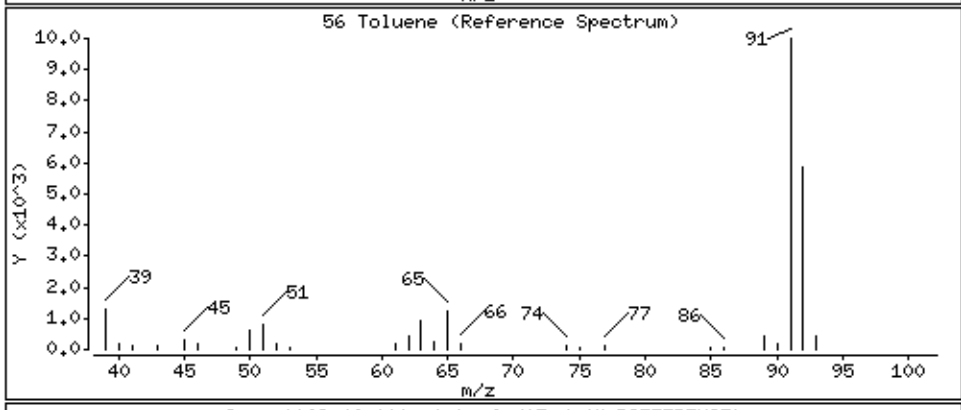
Review Code:

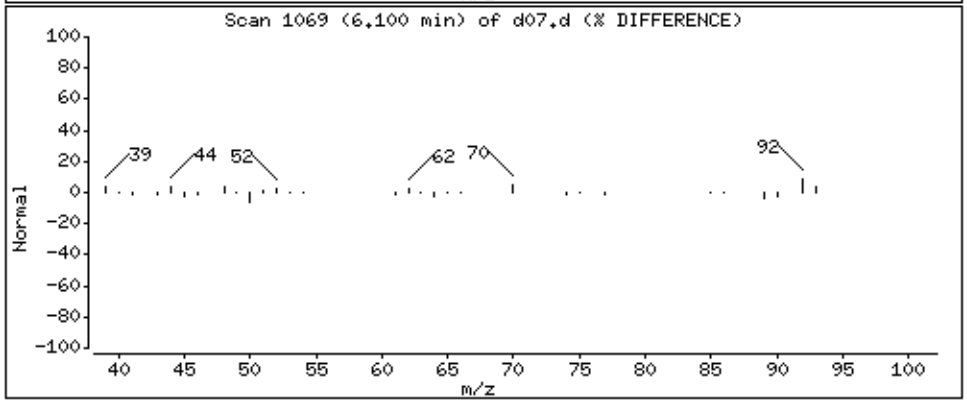












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d07.d
Injection Date: 07-OCT-2016 04:13
Instrument: 50mv3b.i
Lab Sample ID: 50155366019
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0622-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 06:20 Lab Sample ID: 50155366020

Date Analyzed: 10/11/2016 06:20 Lab File ID: A101016.B\C17.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 100 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-01-6	Trichloroethene	12100	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c17.d
Lab Smp Id: 50155366020 Client Smp ID: MW-0622-S1(092716)P
Inj Date : 11-OCT-2016 06:20
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366020x100
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 81
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.864	1.862	(0.448)	24260	10.9742	1100	
	28 1,2-Dichloroethene (cis)	96	2.820	2.813	(0.677)	32049	14.9241	1490(Q)	
$	35 Dibromofluoromethane (S)	113	3.327	3.331	(0.799)	89508	49.3150	49.3	
*	45 Fluorobenzene (IS)	96	4.166	4.164	(1.000)	401391	50.0000		
	46 Trichloroethene	95	4.615	4.618	(1.108)	252165	120.616	12100	
$	56 Toluene-d8 (S)	98	6.019	6.018	(0.820)	385161	46.5492	46.5	
	57 Toluene	91	6.100	6.093	(0.831)	4181	0.42562	42.6	
*	66 Chlorobenzene-D5 (IS)	117	7.344	7.342	(1.000)	266851	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.161	8.165	(1.111)	116793	49.0878	49.1	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.838	(1.000)	112315	50.0000		

QC Flag Legend

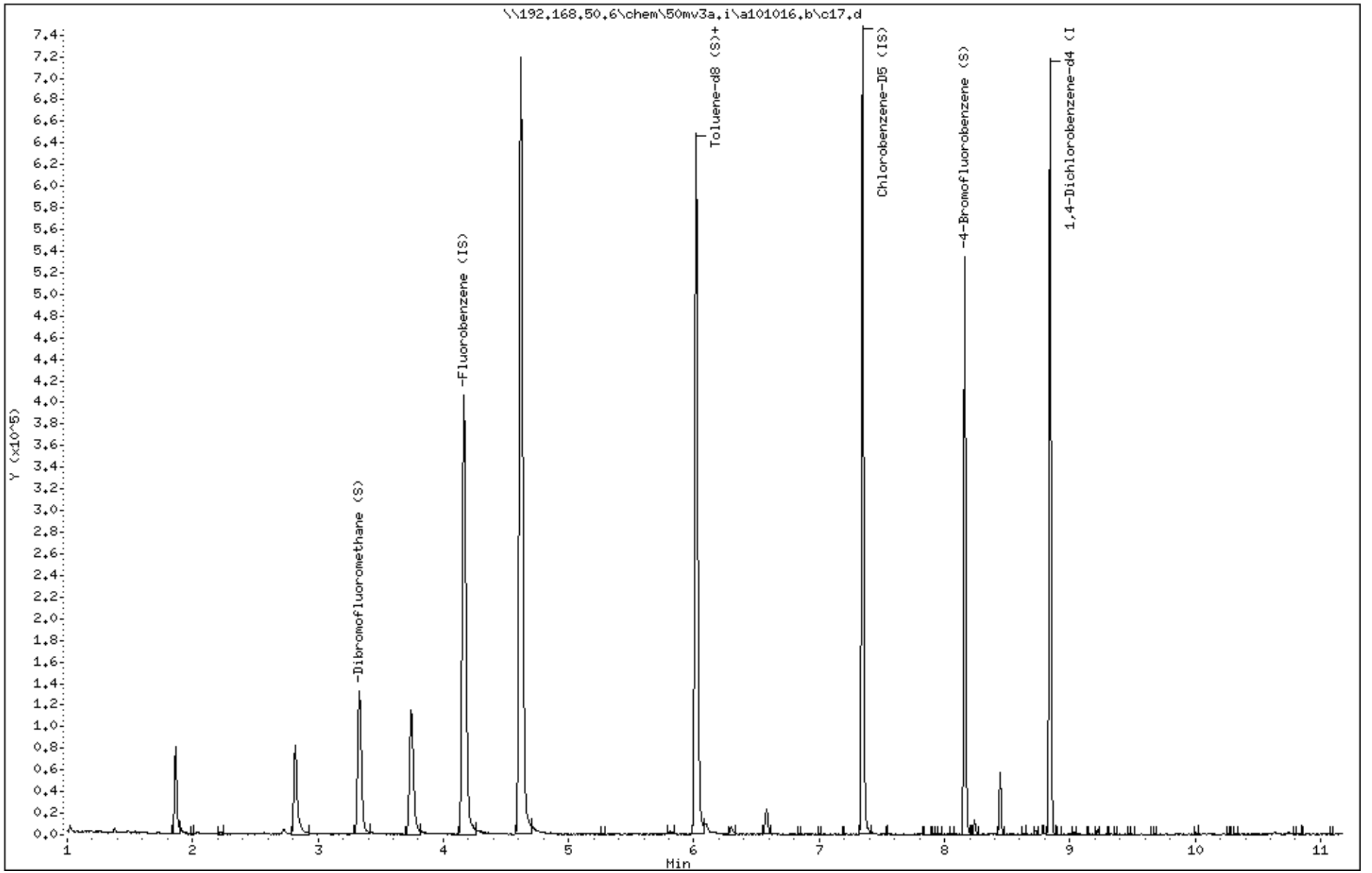
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c17.d
Date : 11-OCT-2016 06:20
Client ID: MW-0622-S1(092716)P
Sample Info: 50155366020x100
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c17.d

Date : 11-OCT-2016 06:20

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366020x100

Purge Volume: 5.0

Operator: jlz

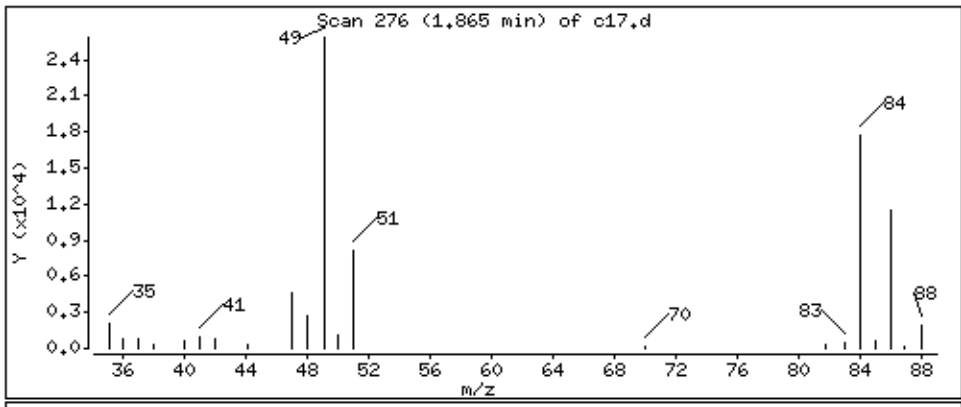
Column phase: DB-624

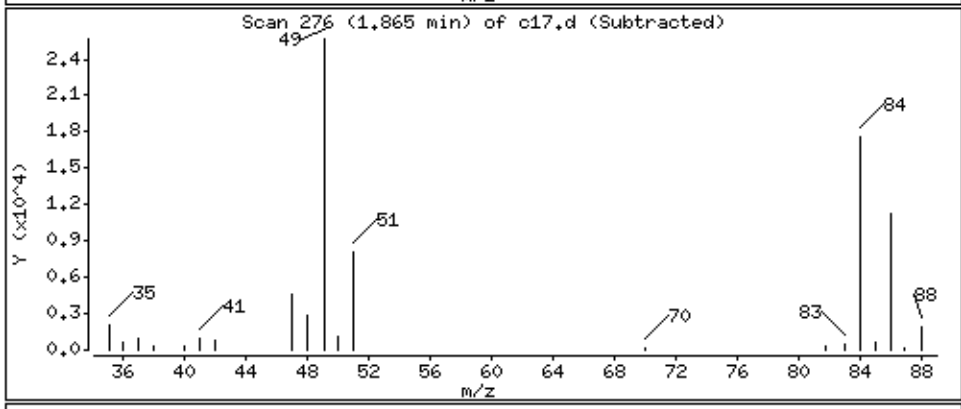
Column diameter: 0.18

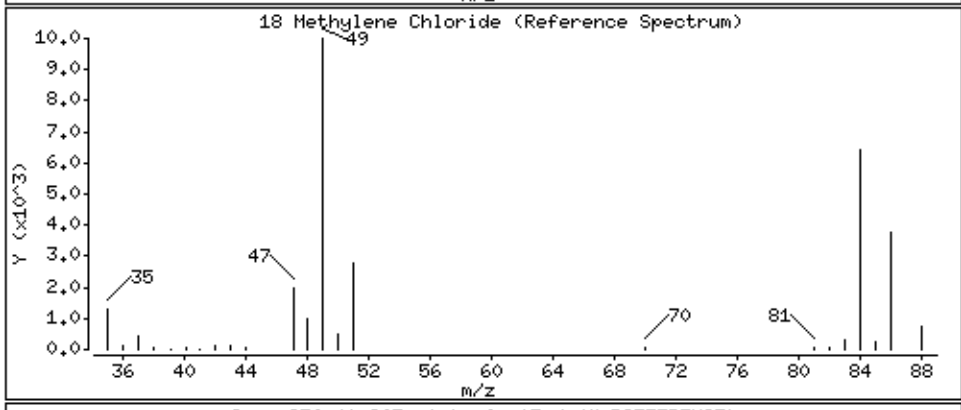
18 Methylene Chloride

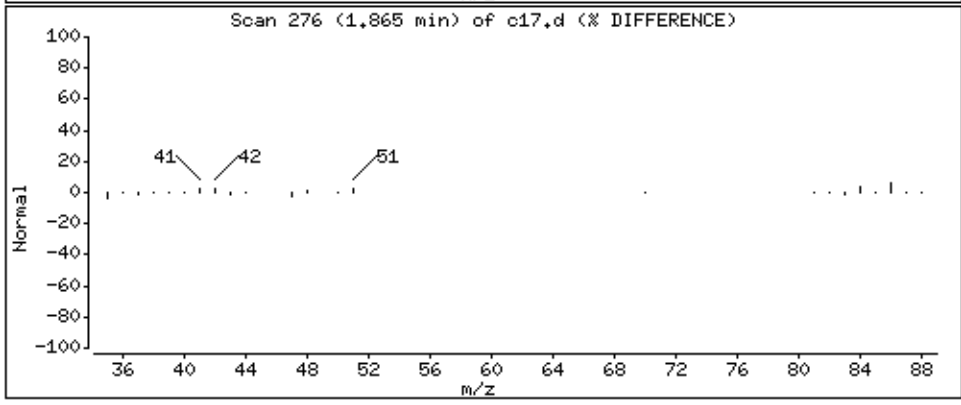
Concentration: 1100 ppb

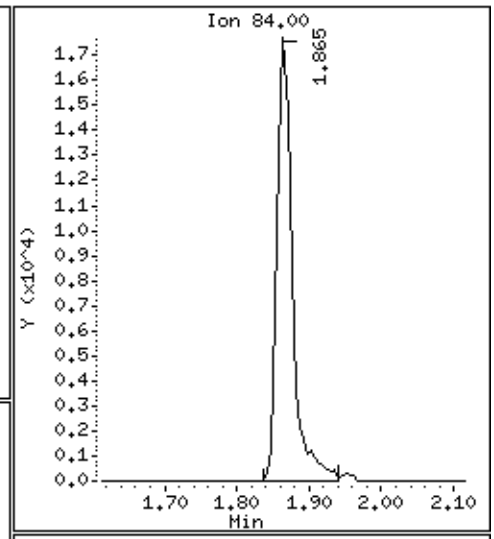
Review Code:

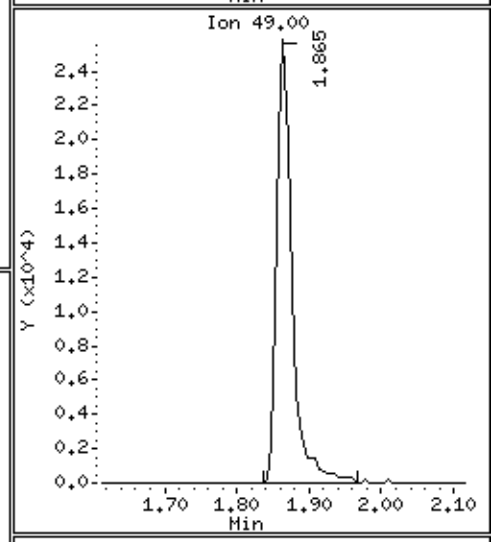


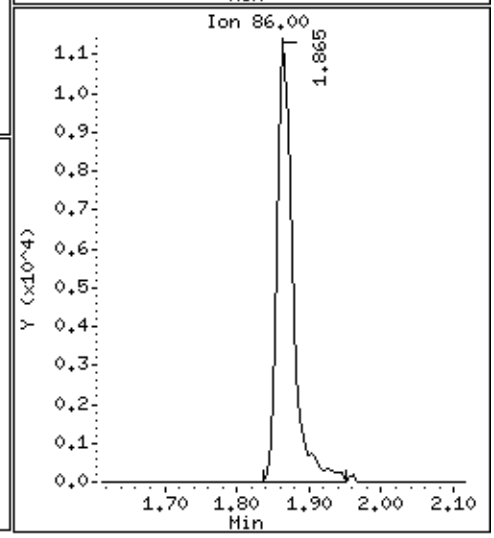












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c17.d

Date : 11-OCT-2016 06:20

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366020x100

Purge Volume: 5.0

Operator: jlz

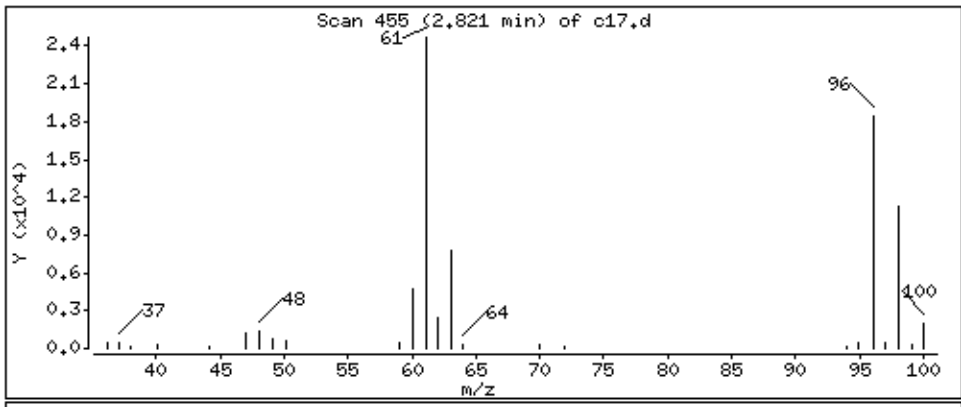
Column phase: DB-624

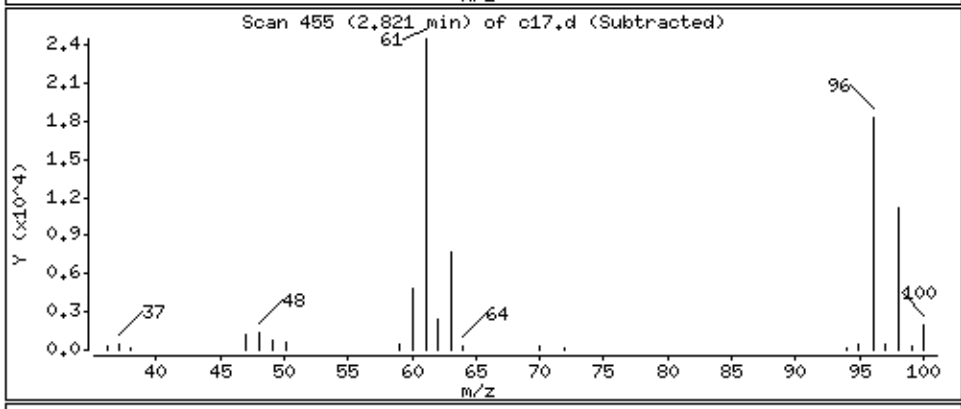
Column diameter: 0.18

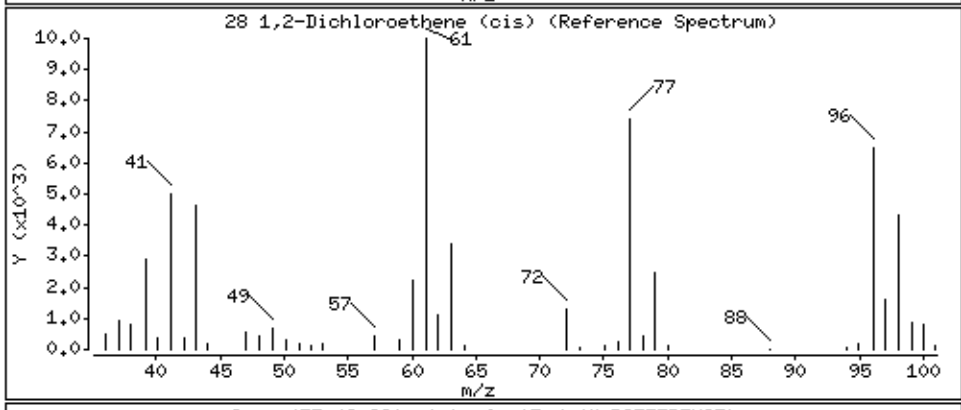
28 1,2-Dichloroethene (cis)

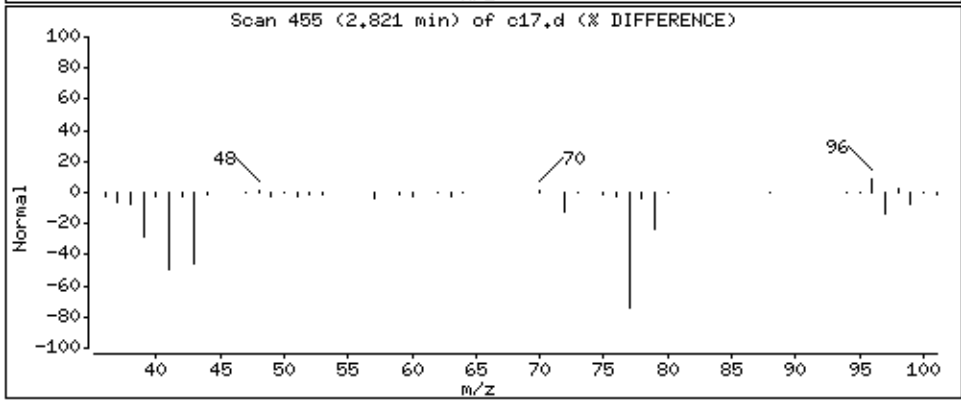
Concentration: 1490 ppb

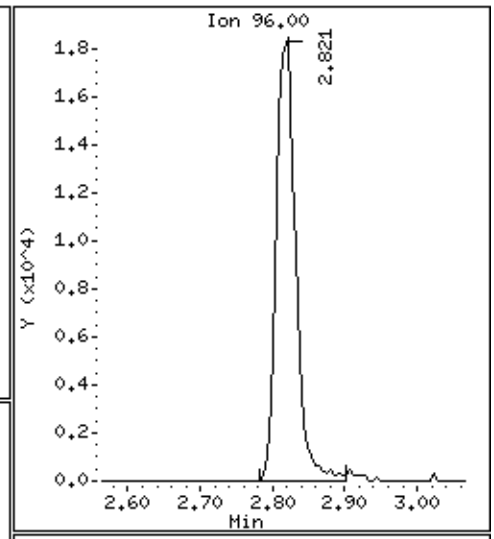
Review Code:

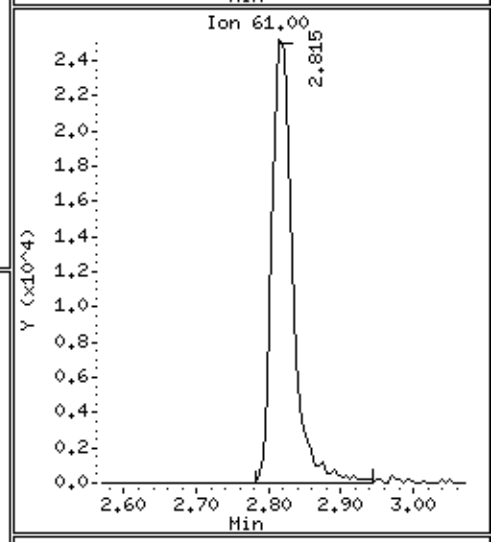


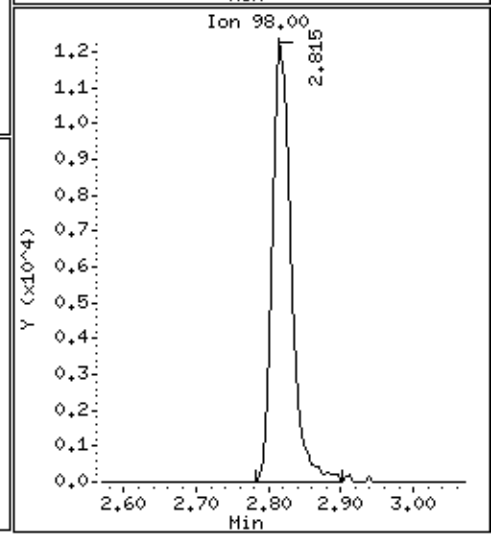












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c17.d

Date : 11-OCT-2016 06:20

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366020x100

Purge Volume: 5.0

Operator: jlz

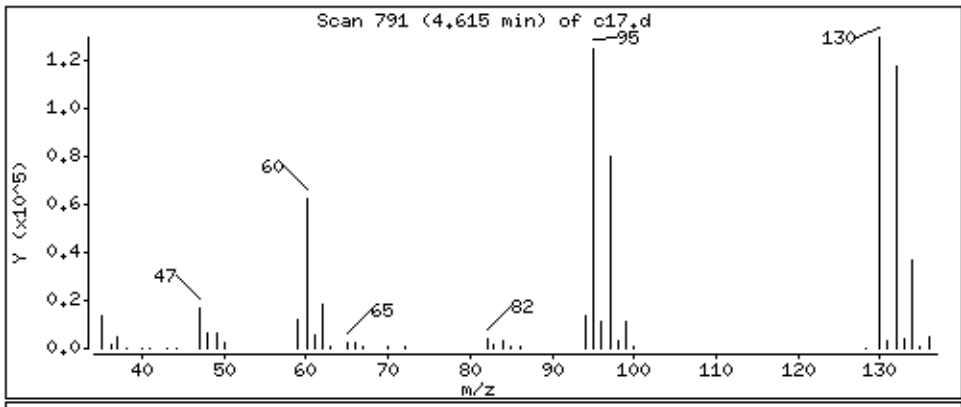
Column phase: DB-624

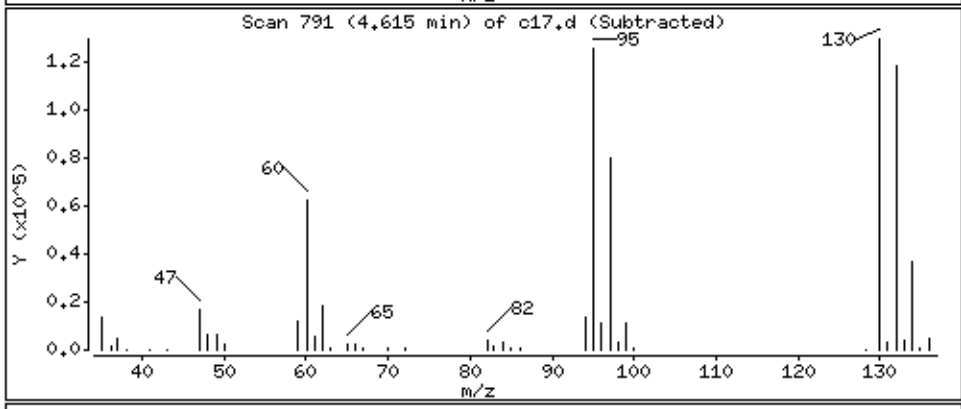
Column diameter: 0.18

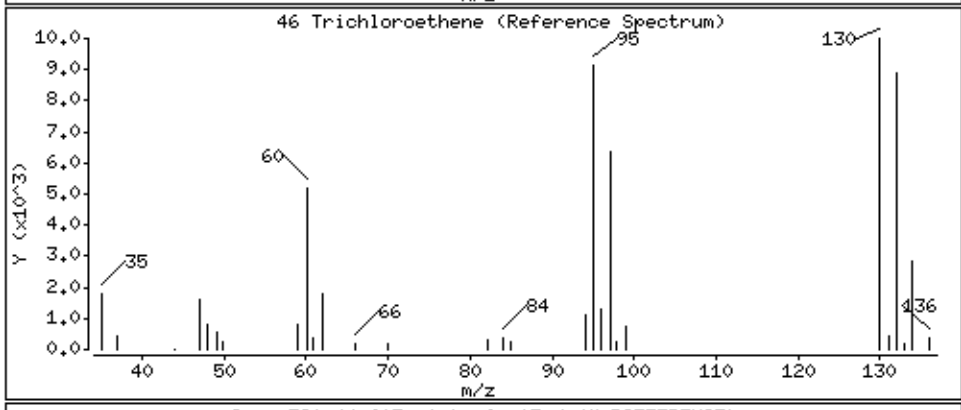
46 Trichloroethene

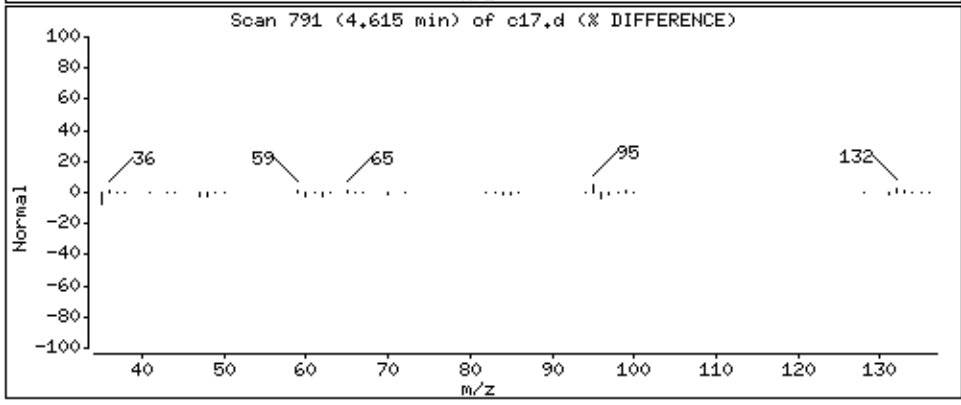
Concentration: 12100 ppb

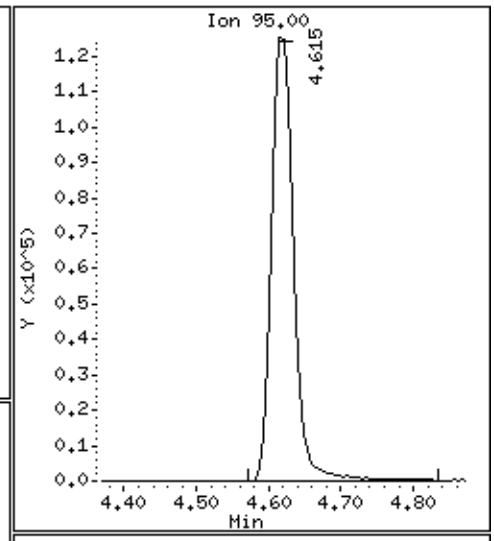
Review Code:

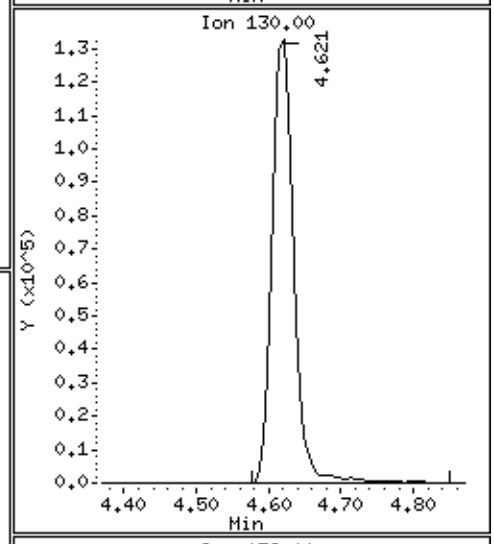


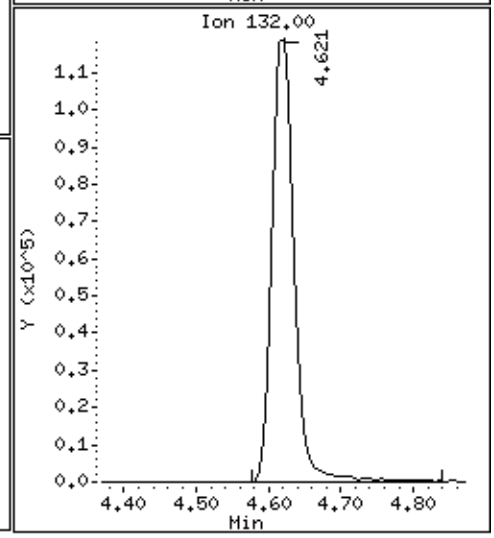












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c17.d

Date : 11-OCT-2016 06:20

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366020x100

Purge Volume: 5.0

Operator: jlz

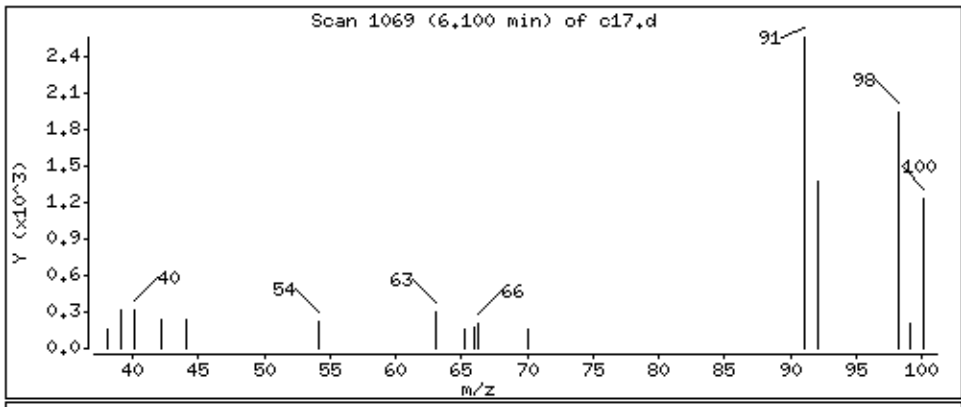
Column phase: DB-624

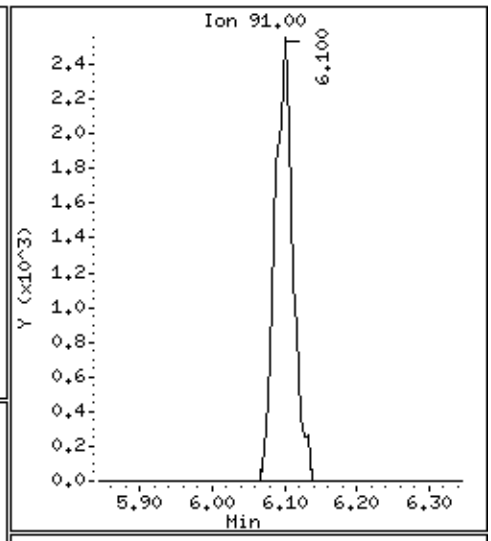
Column diameter: 0.18

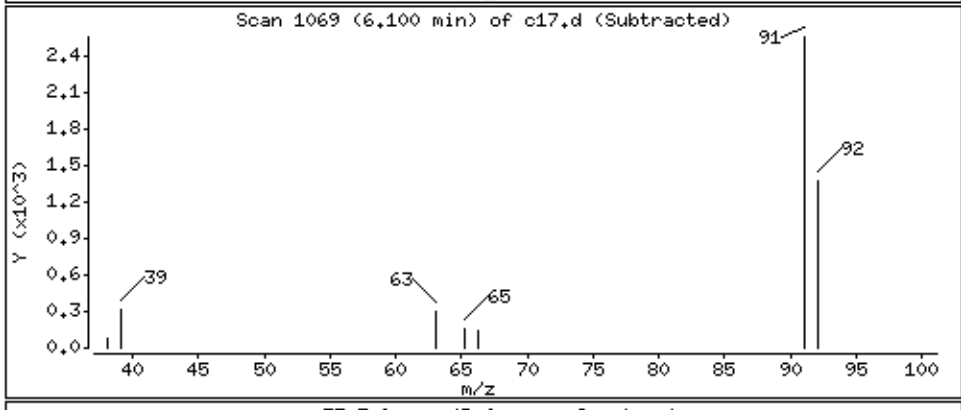
57 Toluene

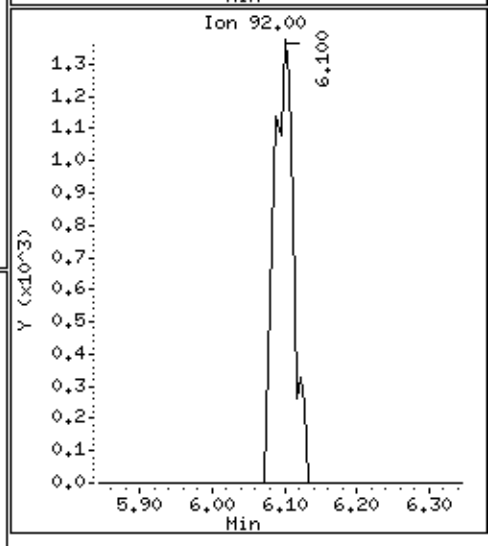
Concentration: 42.6 ppb

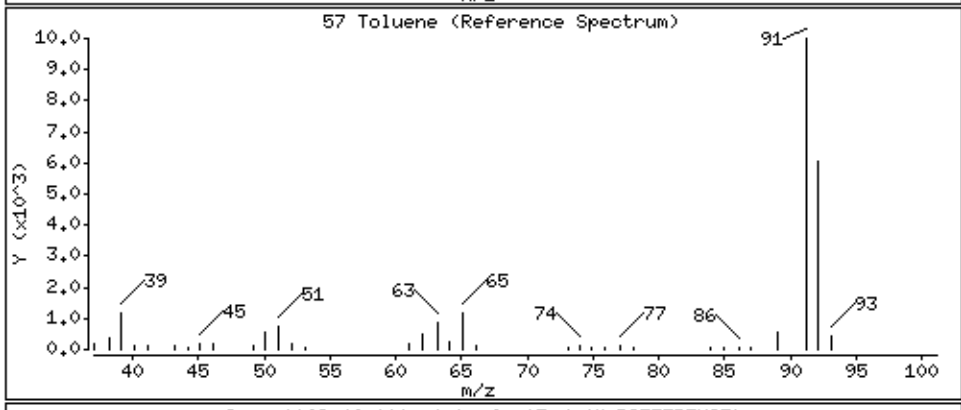
Review Code:

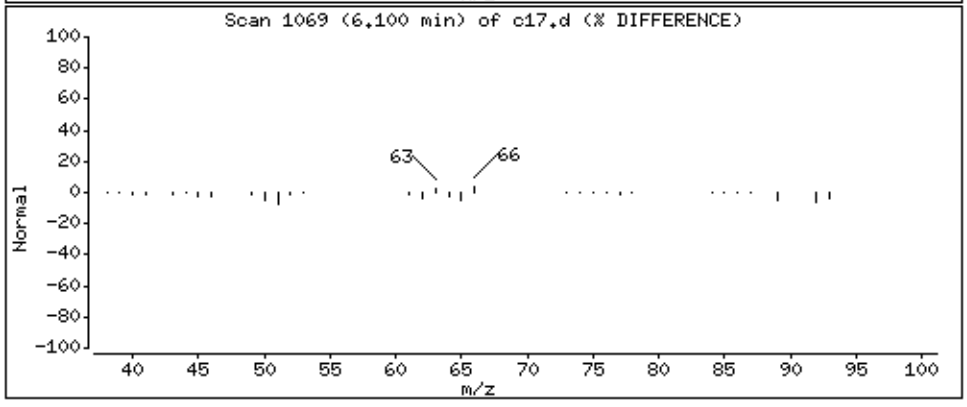












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c17.d
Injection Date: 11-OCT-2016 06:20
Instrument: 50mv3a.i
Lab Sample ID: 50155366020
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0622-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana | Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 | Matrix: Water | SDG No.: 50155366

Date Extracted: 10/07/2016 04:45 | Lab Sample ID: 50155366020

Date Analyzed: 10/07/2016 04:45 | Lab File ID: B100616.B\D08.D

Initial wt/vol: 5 mL | Final wt/vol: 5 mL | Dilution: 10 | Instrument: 50MV3B | Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	1420	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	132	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0622-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 04:45 Lab Sample ID: 50155366020

Date Analyzed: 10/07/2016 04:45 Lab File ID: B100616.B\D08.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d
Lab Smp Id: 50155366020 Client Smp ID: MW-0622-S1(092716)P
Inj Date : 07-OCT-2016 04:45
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366020x10
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 64
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
12 Acetone	43	1.613	1.610	(0.387)	3790	10.6174	106	
18 Methylene Chloride	84	1.875	1.872	(0.450)	29122	13.1568	132	
22 1,2-Dichloroethene (trans)	96	2.046	2.048	(0.490)	5681	2.86287	28.6	
28 1,2-Dichloroethene (cis)	96	2.826	2.823	(0.677)	298928	142.245	1420(Q)	
$ 35 Dibromofluoromethane (S)	113	3.344	3.341	(0.802)	86955	48.9138	48.9	
* 44 Fluorobenzene (IS)	96	4.172	4.174	(1.000)	386118	50.0000		
45 Trichloroethene	95	4.626	4.623	(1.109)	2269317	1170.04	11700	
$ 55 Toluene-d8 (S)	98	6.020	6.022	(0.820)	390706	46.4512	46.4	
56 Toluene	91	6.094	6.097	(0.830)	5130	0.49069	4.91	
* 65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	284719	50.0000		
$ 74 4-Bromofluorobenzene (S)	95	8.161	8.164	(1.111)	134284	50.7187	50.7	
* 88 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.842	(1.000)	135796	50.0000		

QC Flag Legend

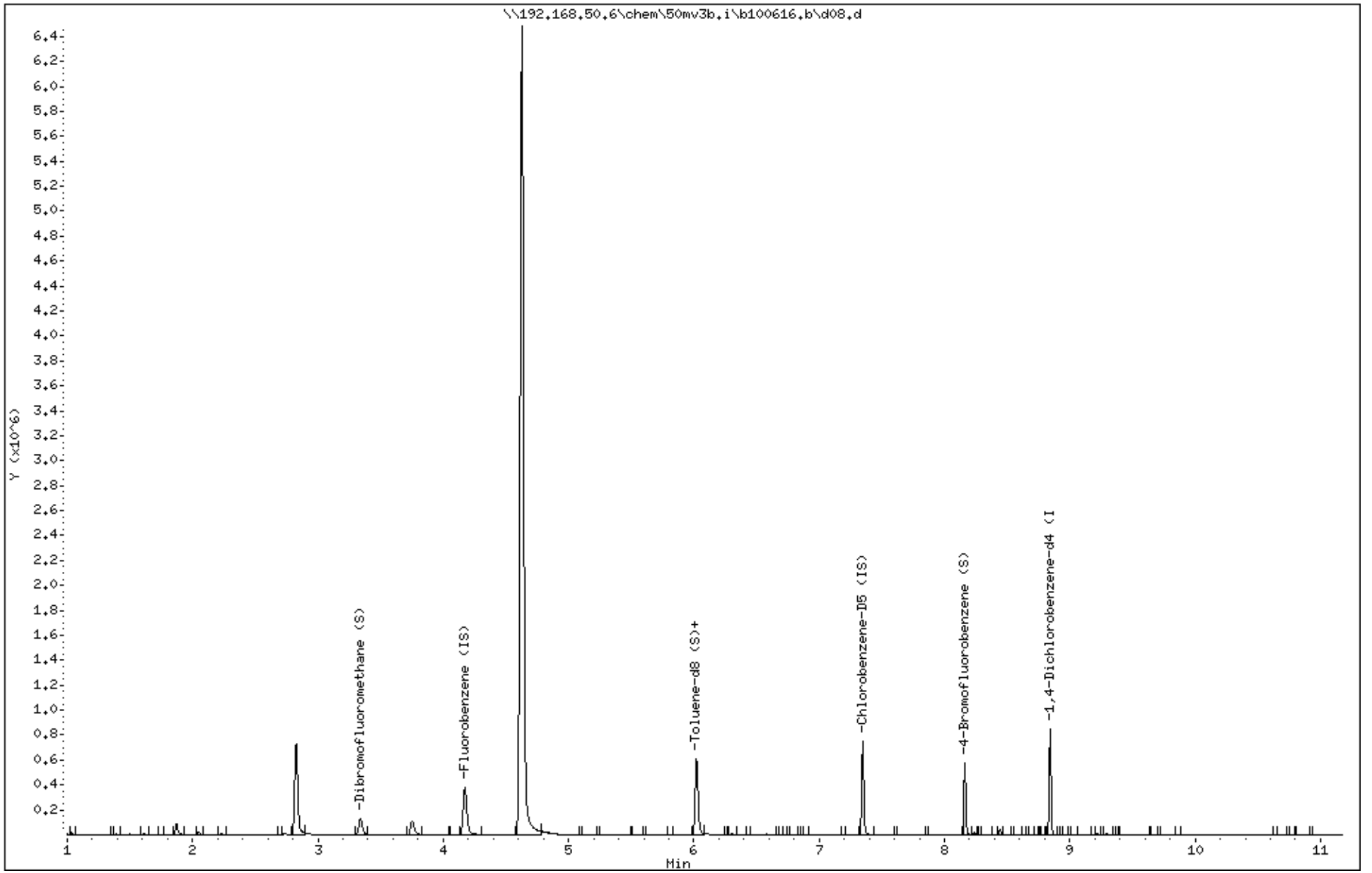
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d
Date : 07-OCT-2016 04:45
Client ID: MW-0622-S1(092716)P
Sample Info: 50155366020x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d

Date : 07-OCT-2016 04:45

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366020x10

Purge Volume: 5.0

Operator: jlz

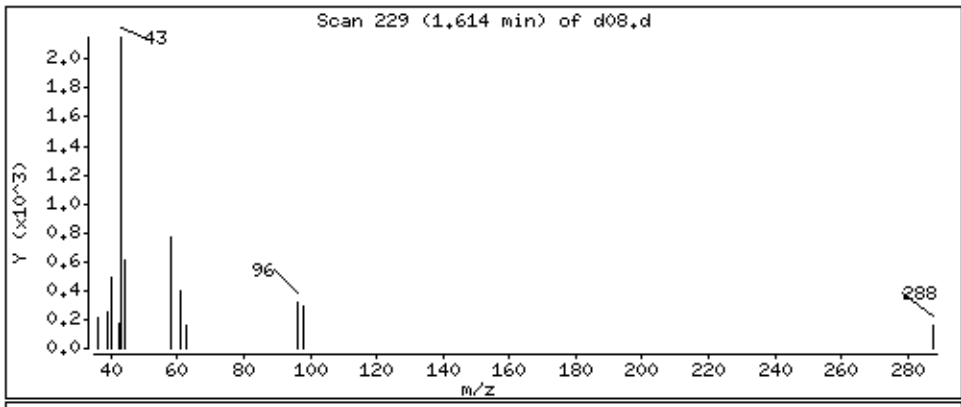
Column phase: DB-624

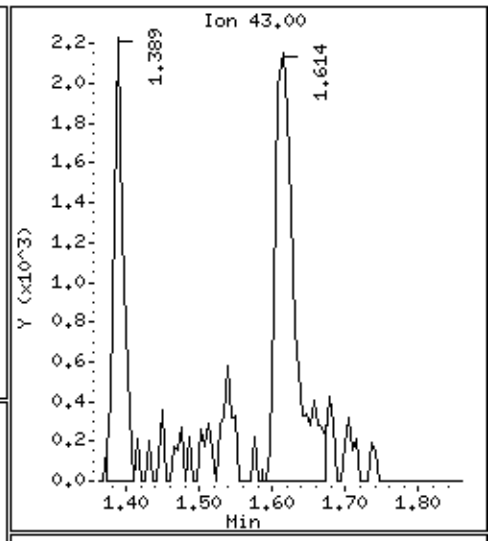
Column diameter: 0.18

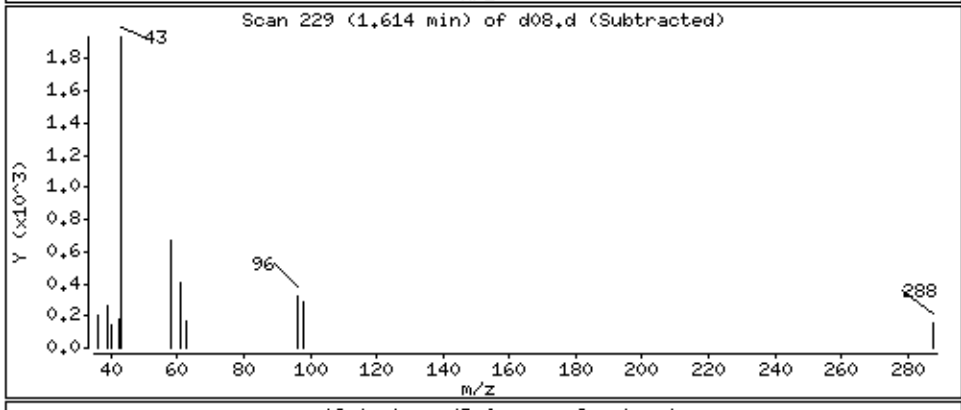
12 Acetone

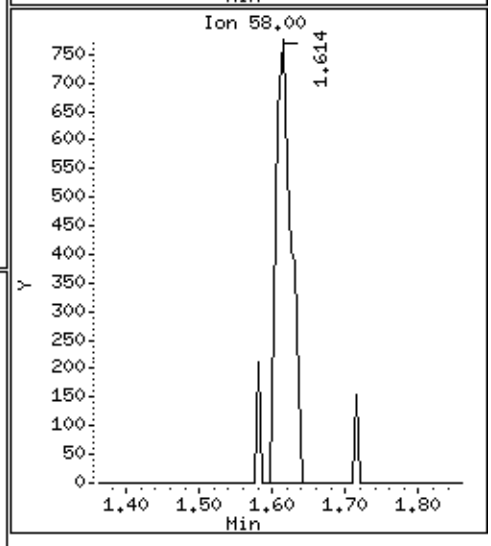
Concentration: 106 ppb

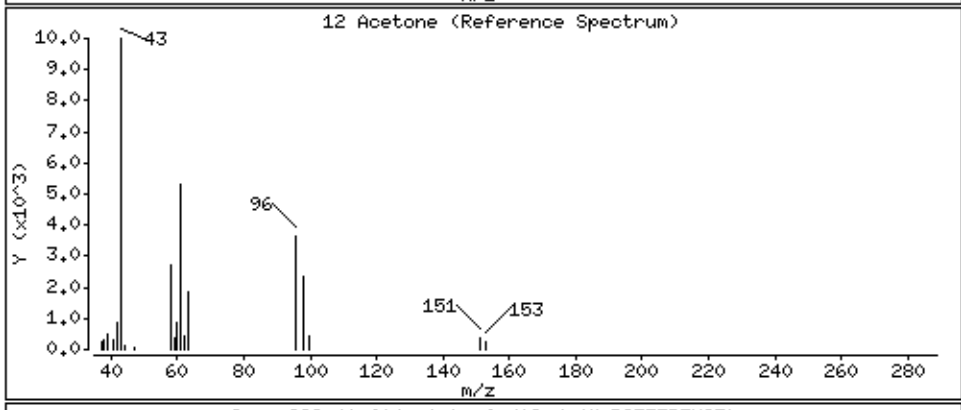
Review Code:

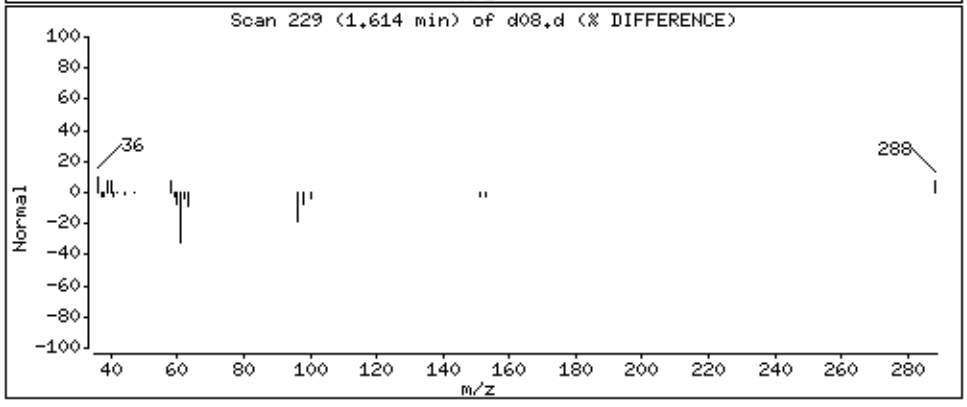












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d

Date : 07-OCT-2016 04:45

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366020x10

Purge Volume: 5.0

Operator: jlz

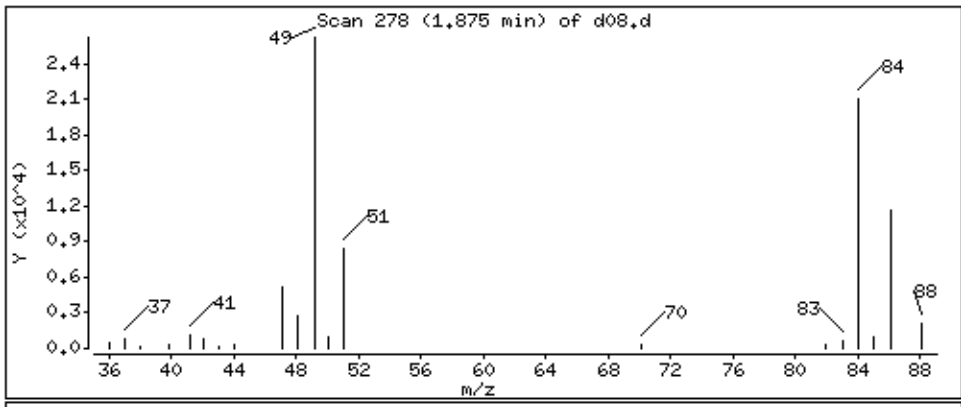
Column phase: DB-624

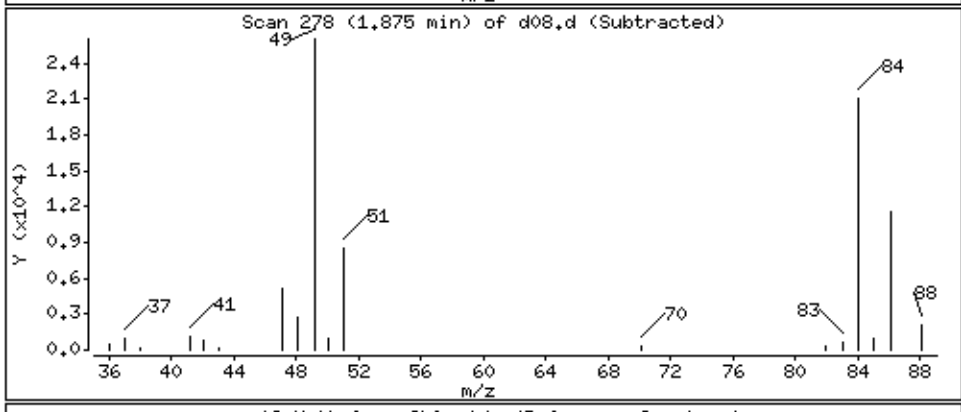
Column diameter: 0.18

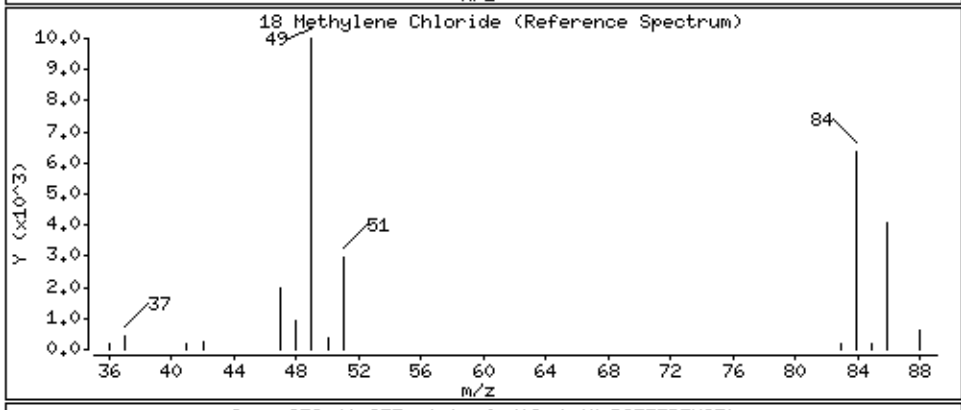
18 Methylene Chloride

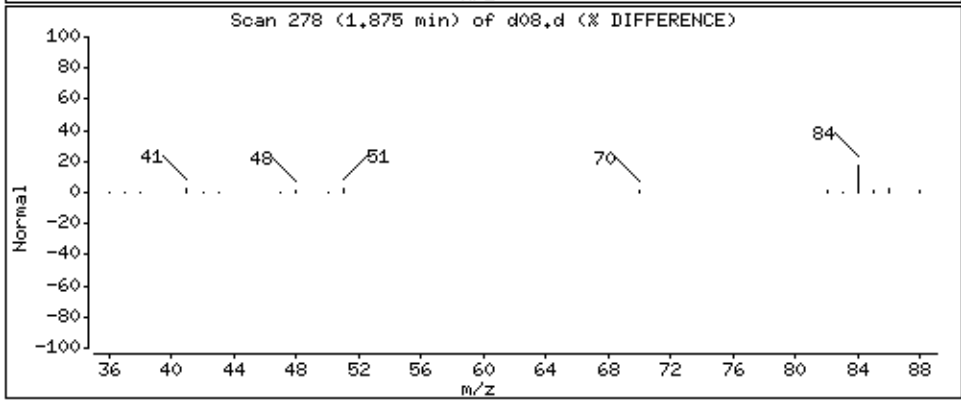
Concentration: 132 ppb

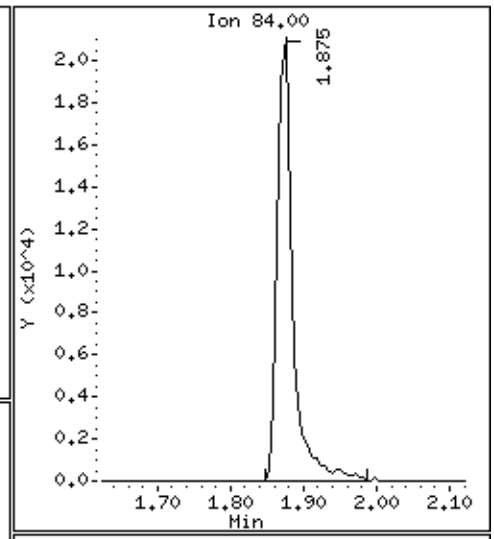
Review Code:

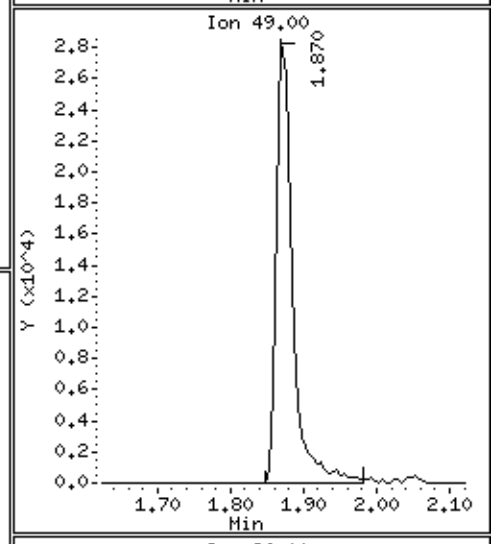


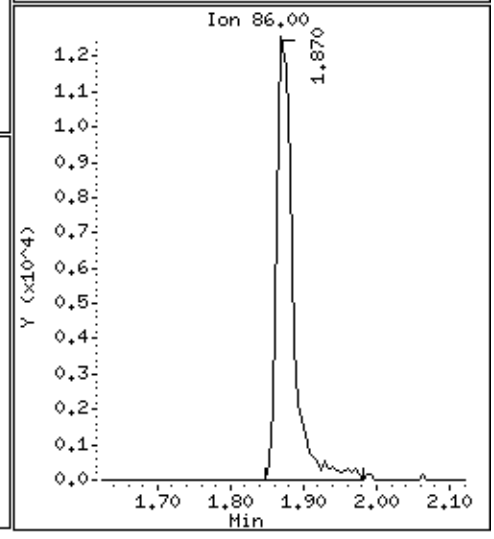












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d

Date : 07-OCT-2016 04:45

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366020x10

Purge Volume: 5.0

Operator: jlz

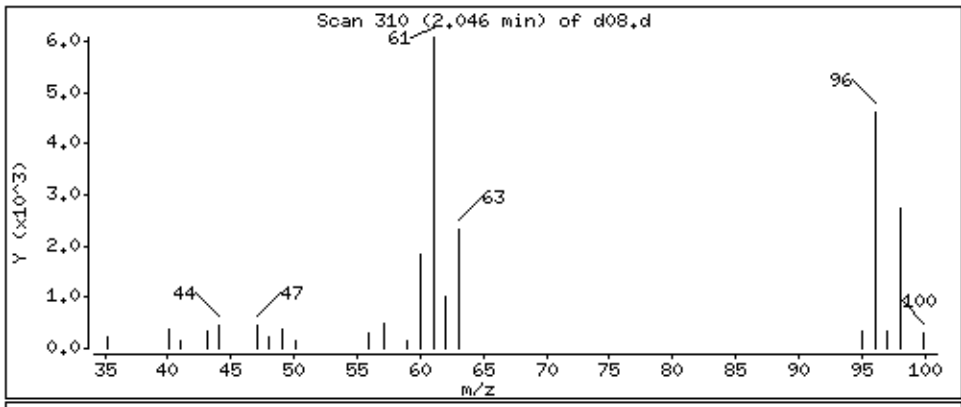
Column phase: DB-624

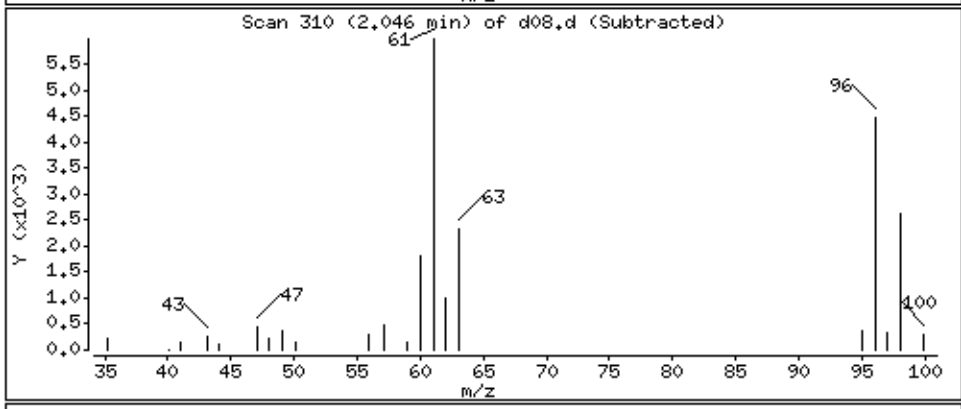
Column diameter: 0.18

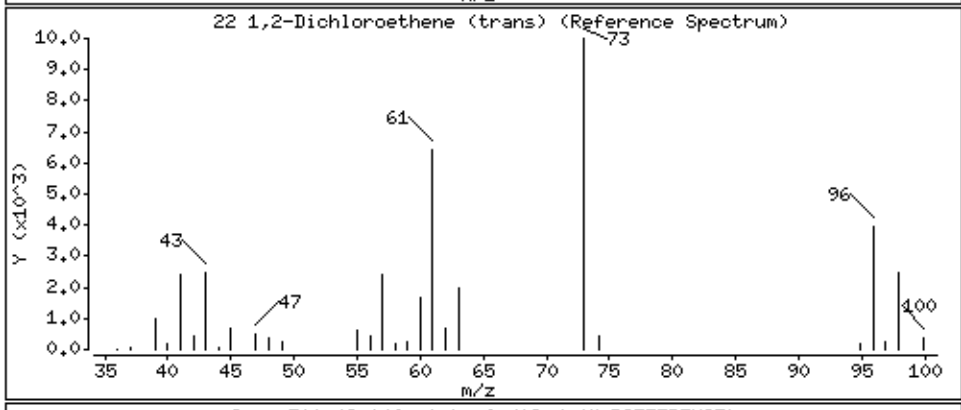
22 1,2-Dichloroethene (trans)

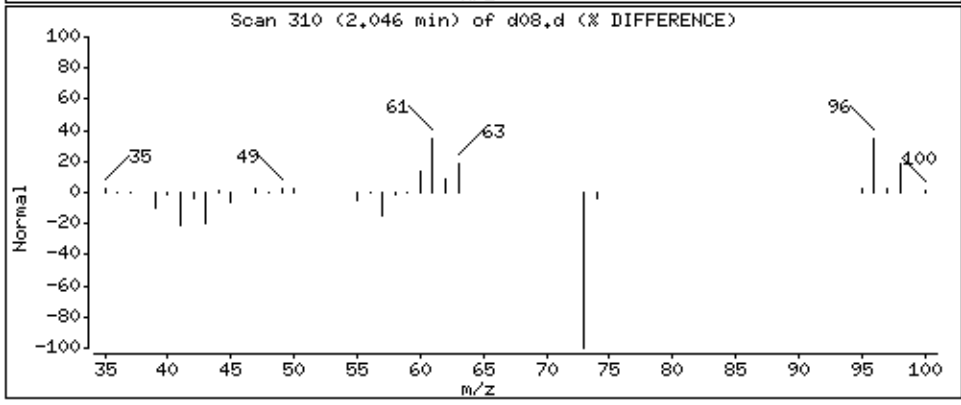
Concentration: 28.6 ppb

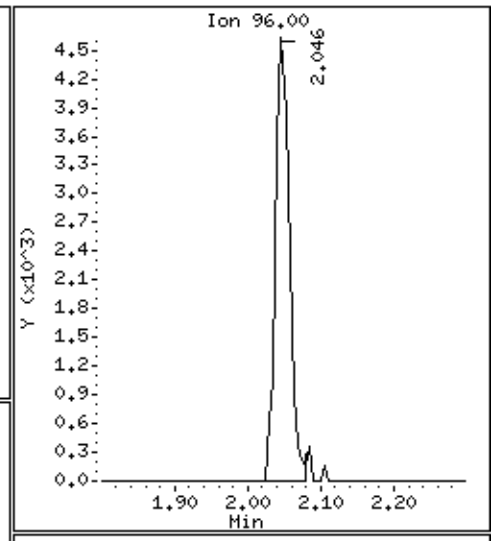
Review Code:

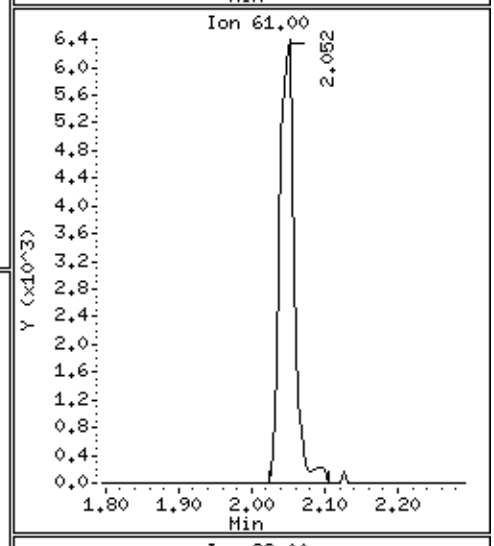


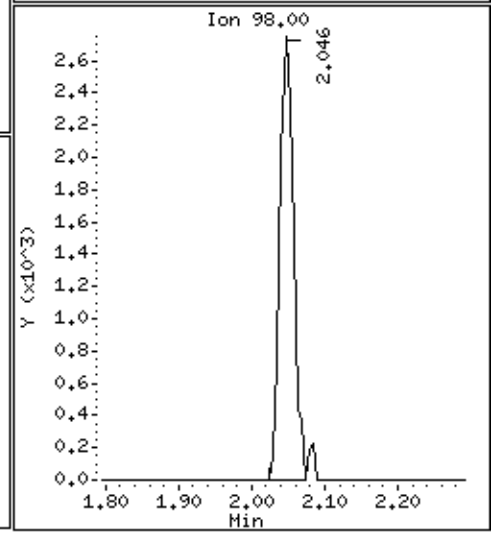












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d

Date : 07-OCT-2016 04:45

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366020x10

Purge Volume: 5.0

Operator: jlz

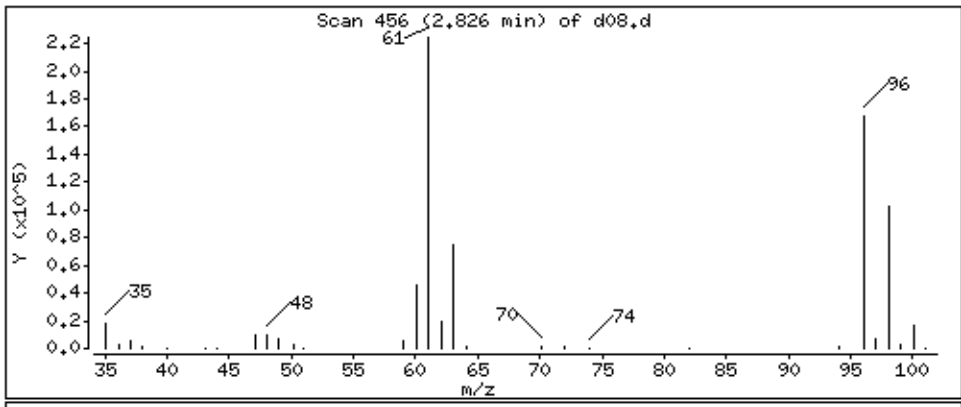
Column phase: DB-624

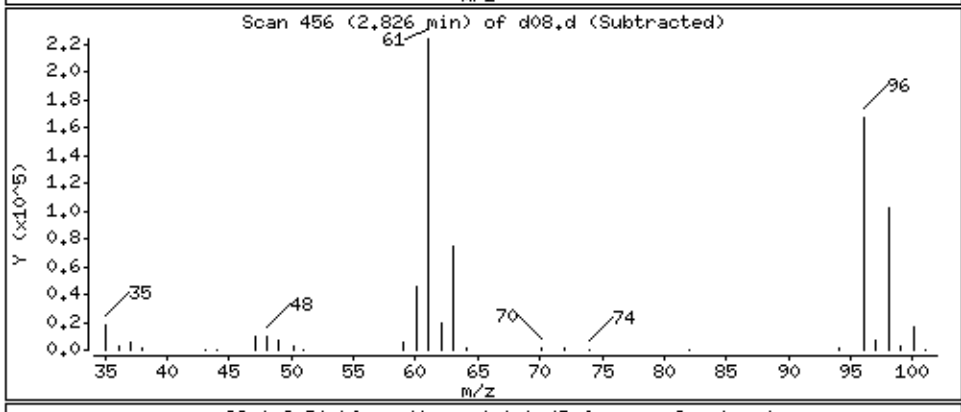
Column diameter: 0.18

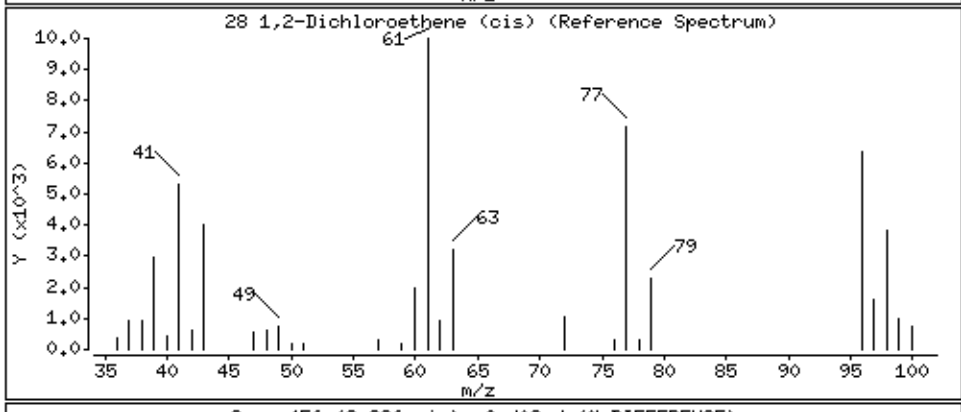
28 1,2-Dichloroethene (cis)

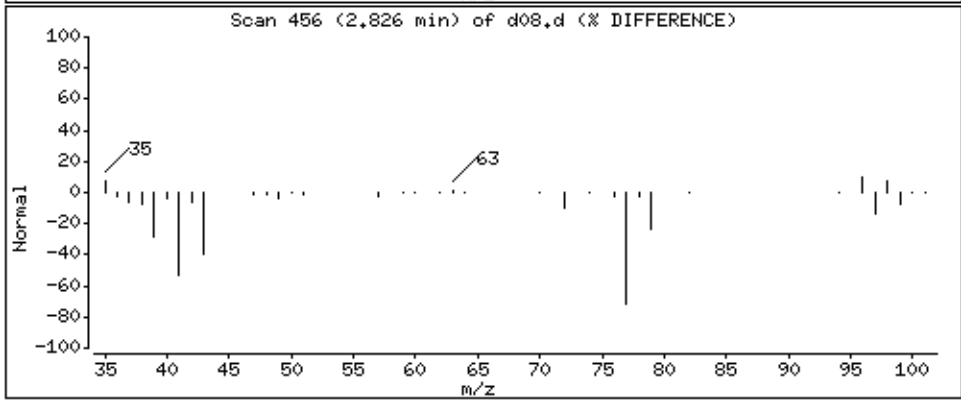
Concentration: 1420 ppb

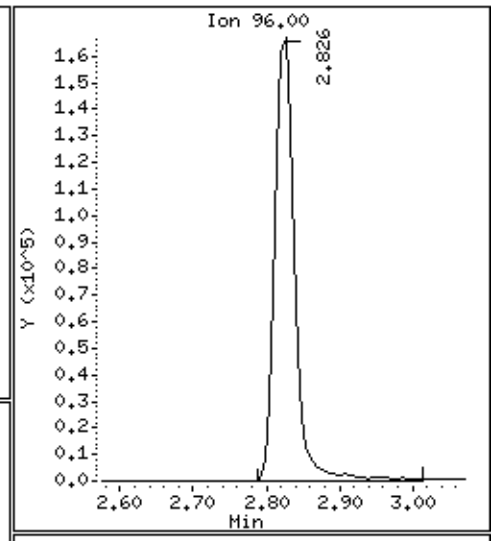
Review Code:

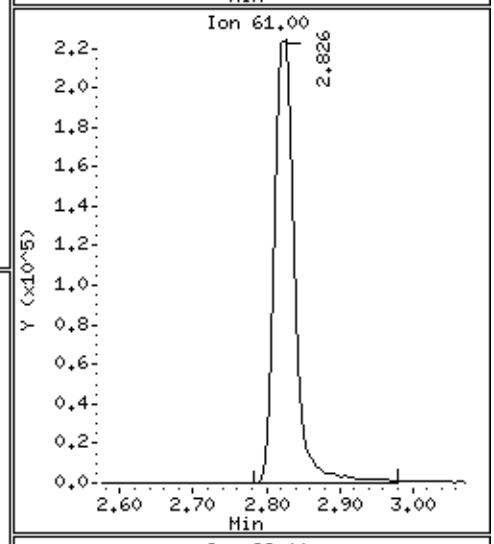


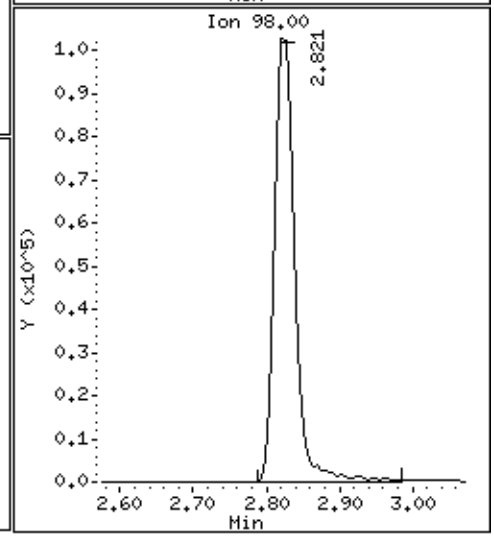












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d

Date : 07-OCT-2016 04:45

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366020x10

Purge Volume: 5.0

Operator: jlz

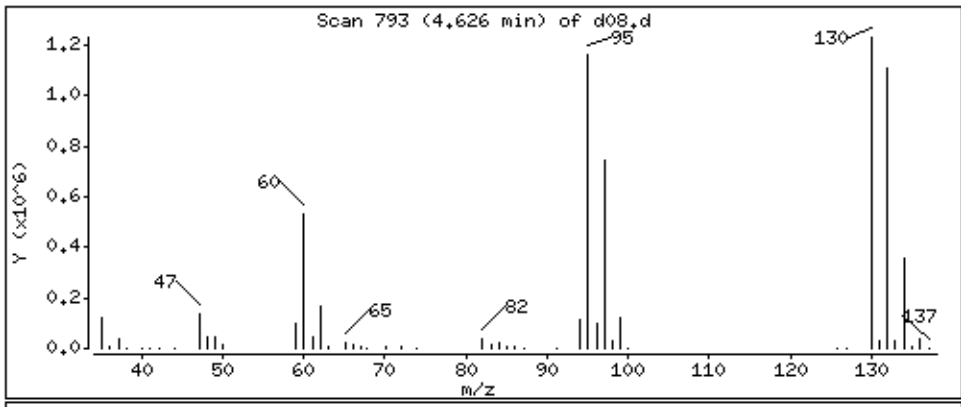
Column phase: DB-624

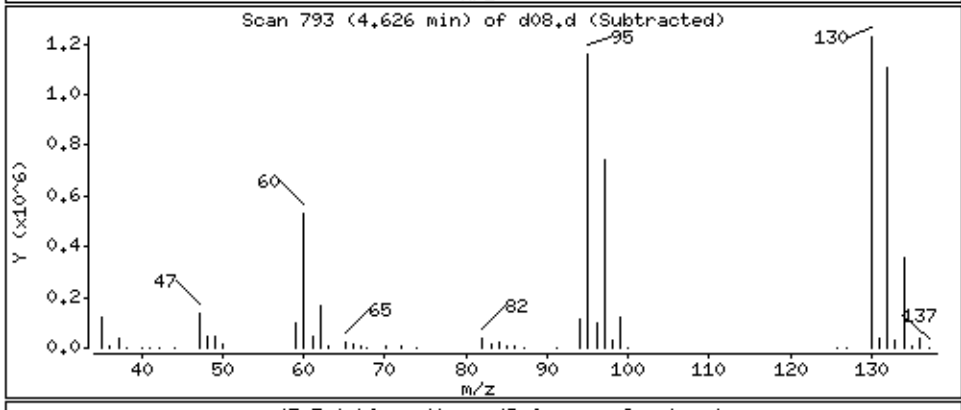
Column diameter: 0.18

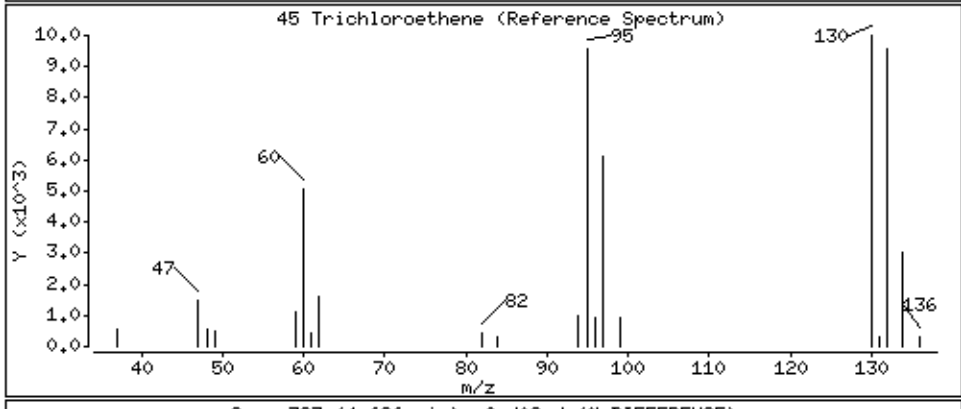
45 Trichloroethene

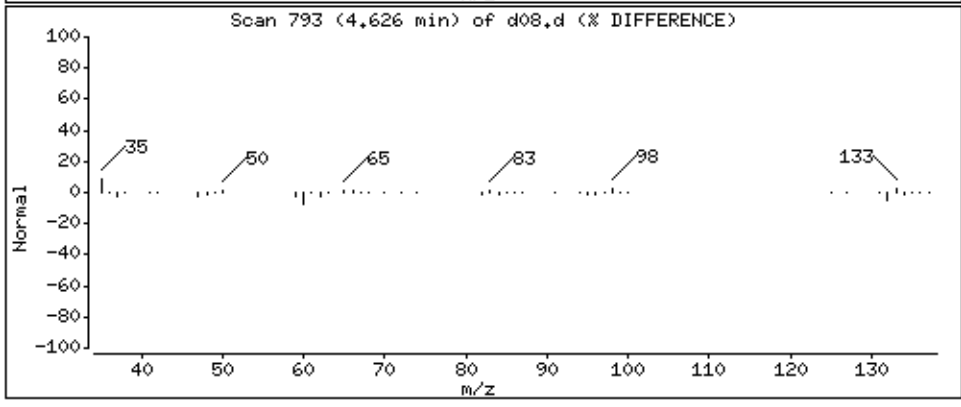
Concentration: 11700 ppb

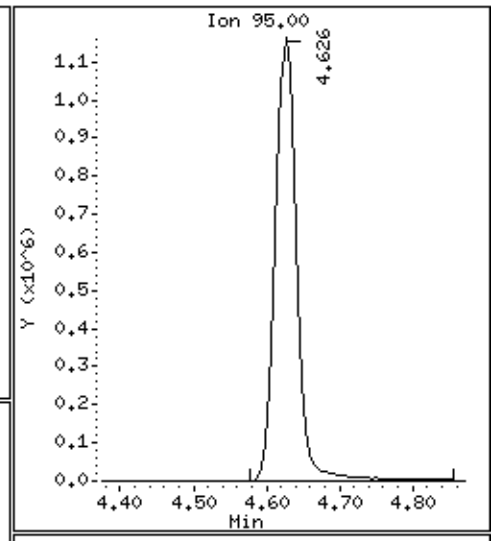
Review Code:

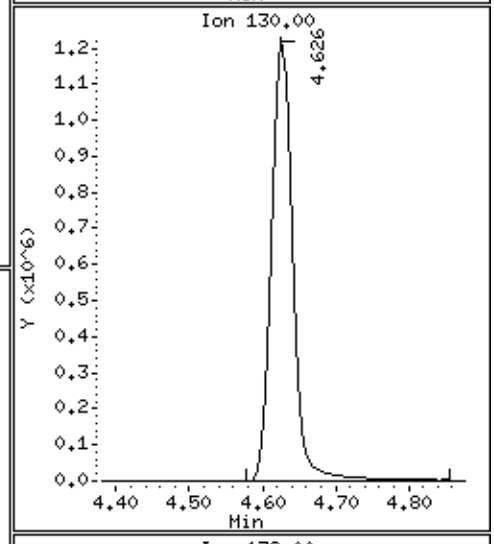


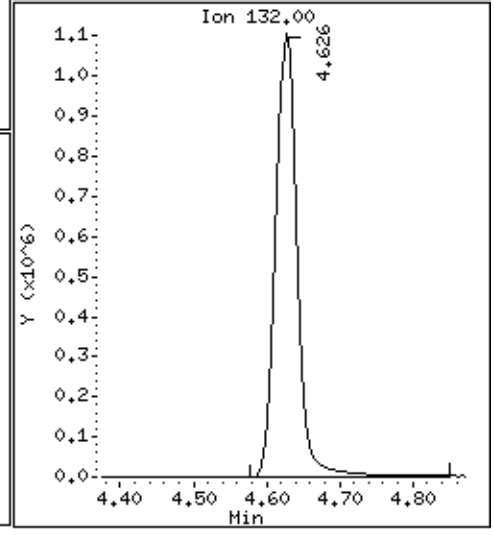












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d08.d

Date : 07-OCT-2016 04:45

Client ID: MW-0622-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366020x10

Purge Volume: 5.0

Operator: jlz

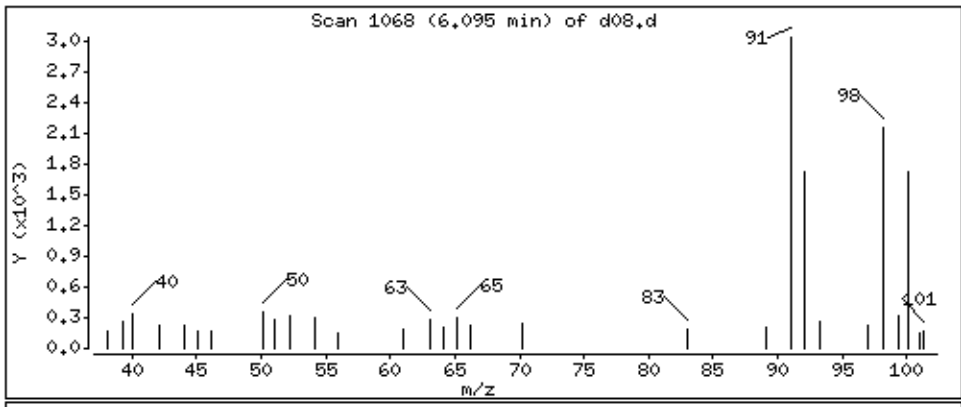
Column phase: DB-624

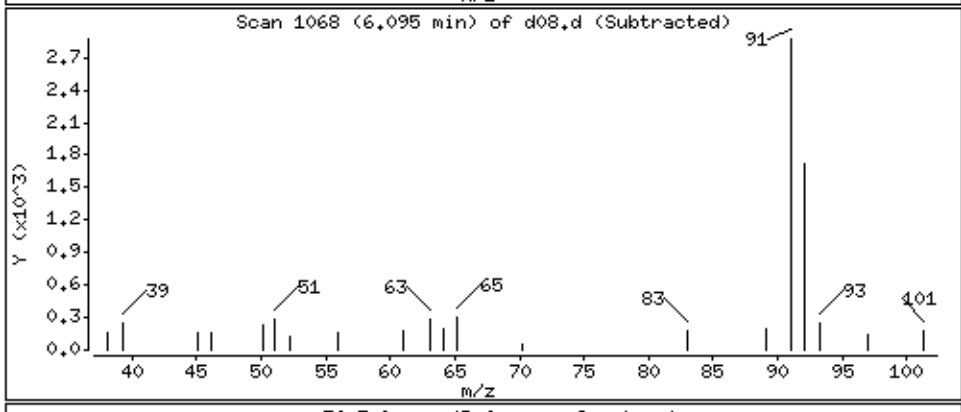
Column diameter: 0.18

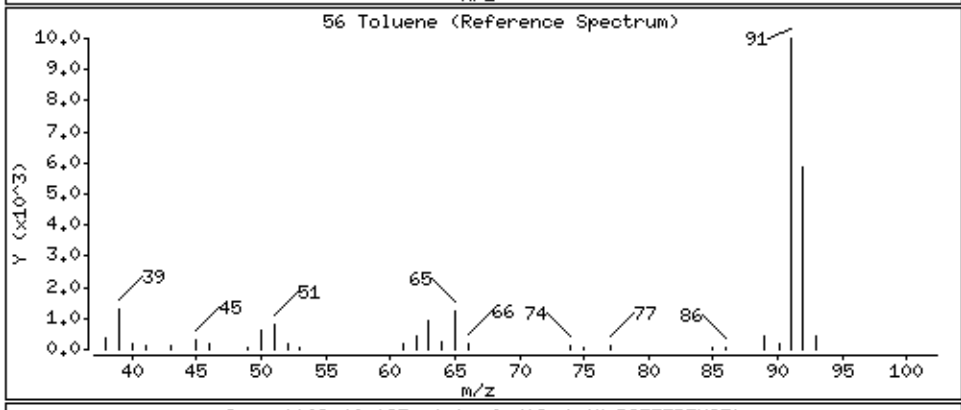
56 Toluene

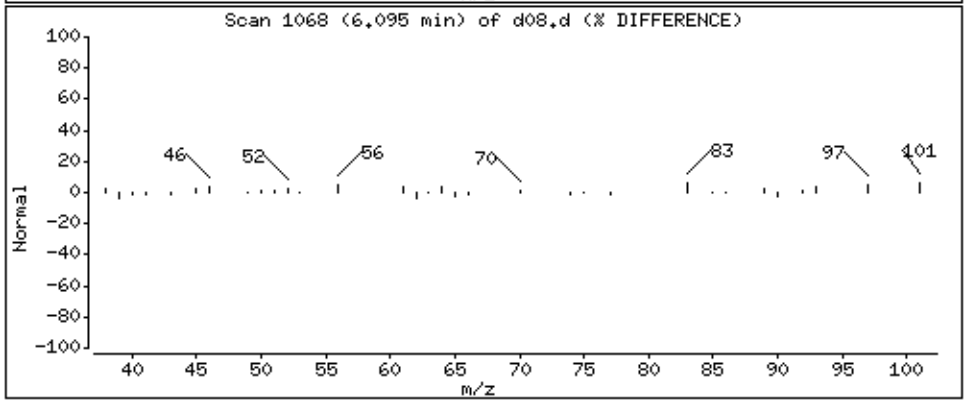
Concentration: 4.91 ppb

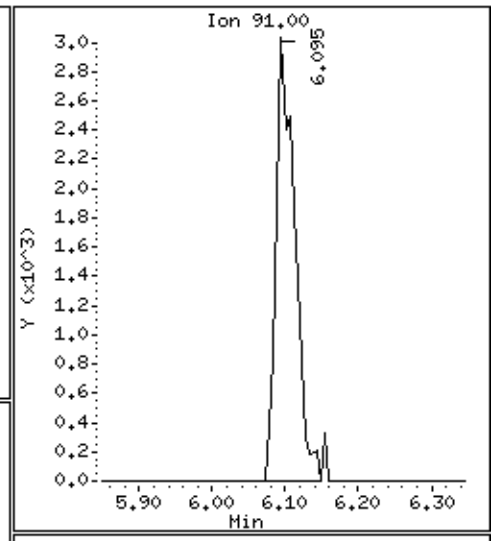
Review Code:

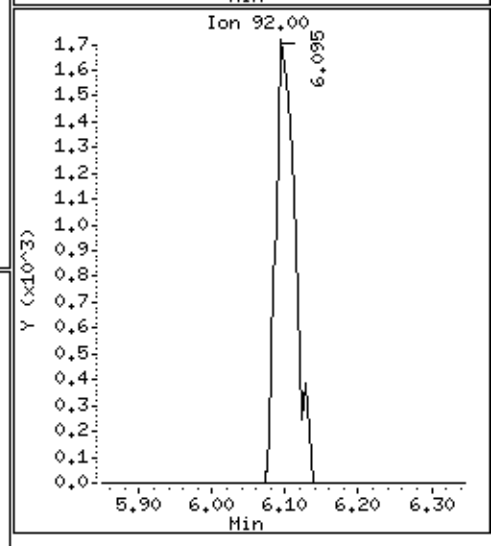












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d08.d
Injection Date: 07-OCT-2016 04:45
Instrument: 50mv3b.i
Lab Sample ID: 50155366020
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0620-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:17 Lab Sample ID: 50155366021

Date Analyzed: 10/07/2016 05:17 Lab File ID: B100616.B\D09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	1150	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	133	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0620-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:17 Lab Sample ID: 50155366021

Date Analyzed: 10/07/2016 05:17 Lab File ID: B100616.B\D09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	1680	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d09.d
Lab Smp Id: 50155366021 Client Smp ID: MW-0620-S1(092716)P
Inj Date : 07-OCT-2016 05:17
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366021x10
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 66
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.874	1.872	(0.449)	29854	13.2521	132	
	22 1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	2320	1.14739	11.5	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	245656	114.720	1150(Q)	
$	35 Dibromofluoromethane (S)	113	3.343	3.341	(0.802)	87596	48.3576	48.4	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	393438	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	331781	167.881	1680	
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	393886	47.7515	47.8	
	56 Toluene	91	6.099	6.097	(0.831)	5089	0.49635	4.96	
*	65 Chlorobenzene-D5 (IS)	117	7.343	7.347	(1.000)	279220	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	134413	51.7672	51.8	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	138726	50.0000		

QC Flag Legend

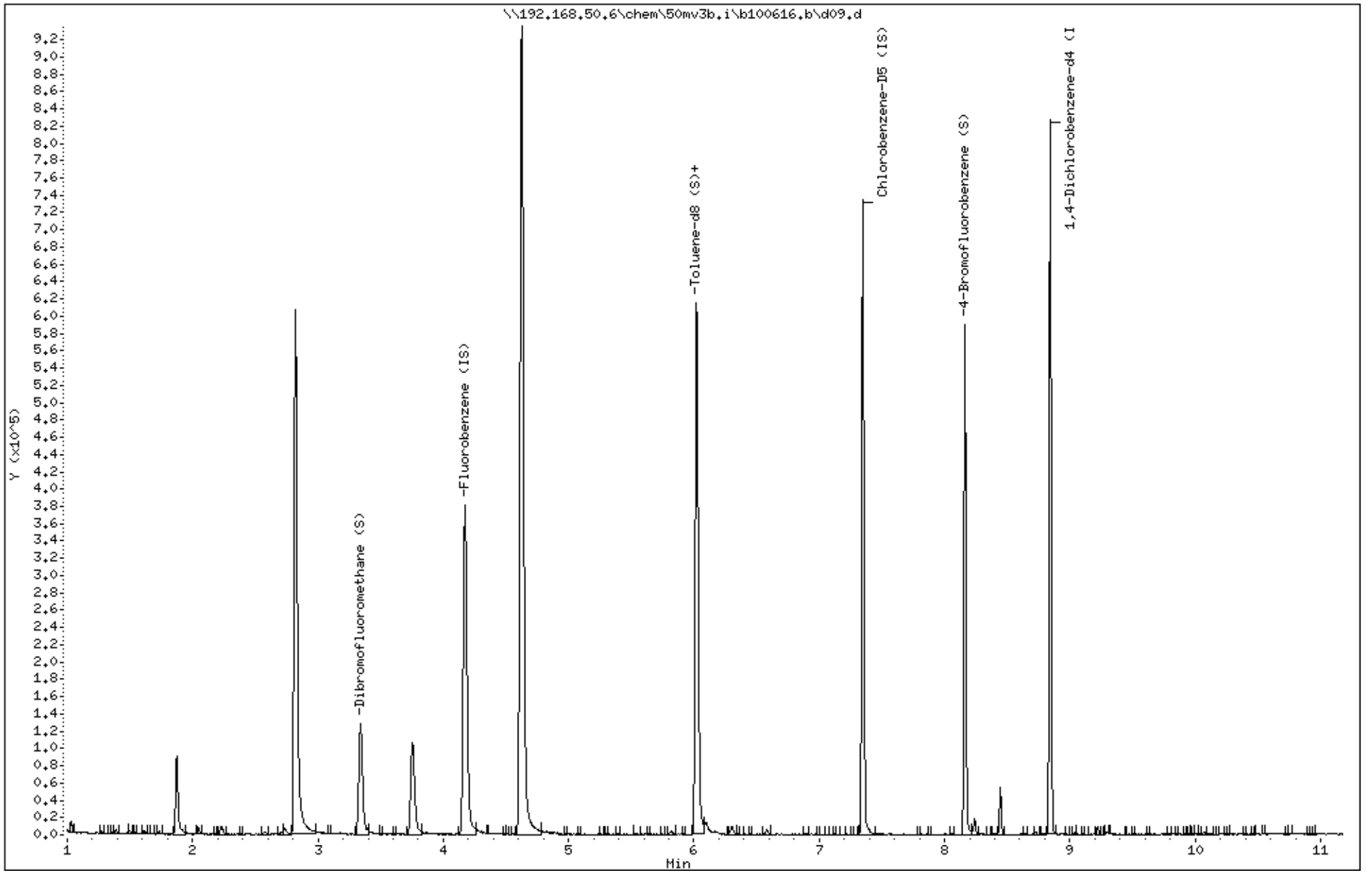
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d09.d
Date : 07-OCT-2016 05:17
Client ID: MW-0620-S1(092716)P
Sample Info: 50155366021x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d09.d

Date : 07-OCT-2016 05:17

Client ID: MW-0620-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366021x10

Purge Volume: 5.0

Operator: jlz

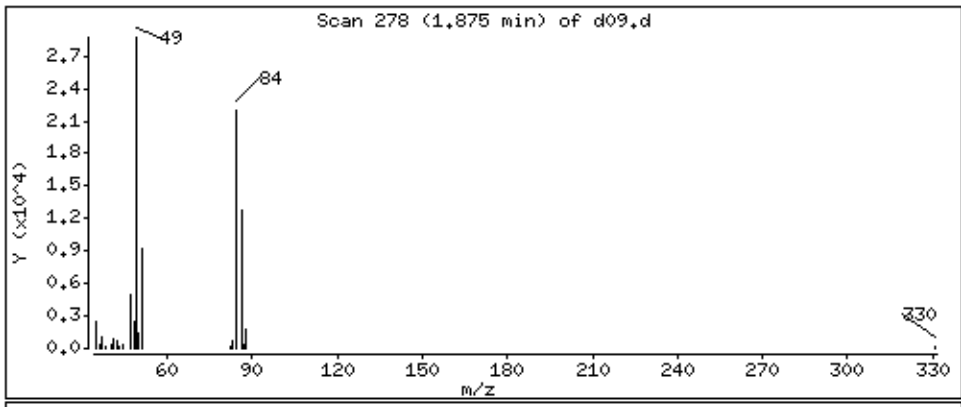
Column phase: DB-624

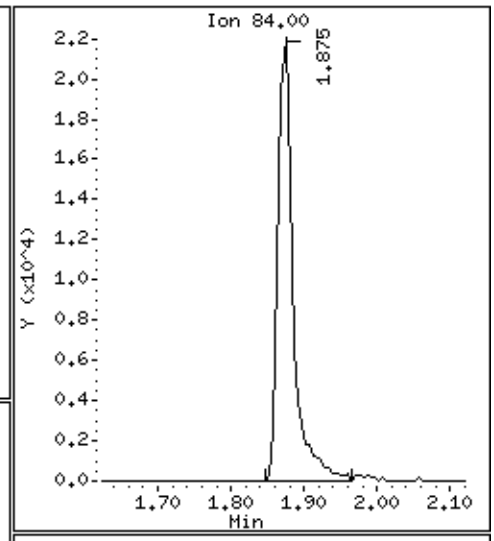
Column diameter: 0.18

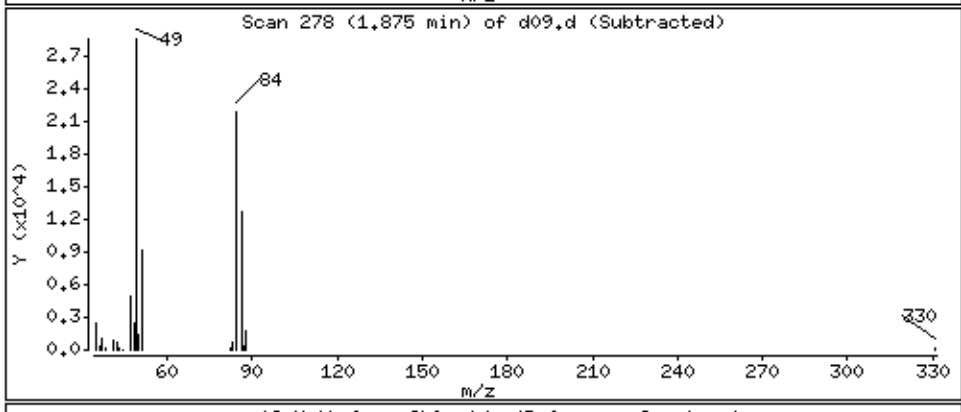
18 Methylene Chloride

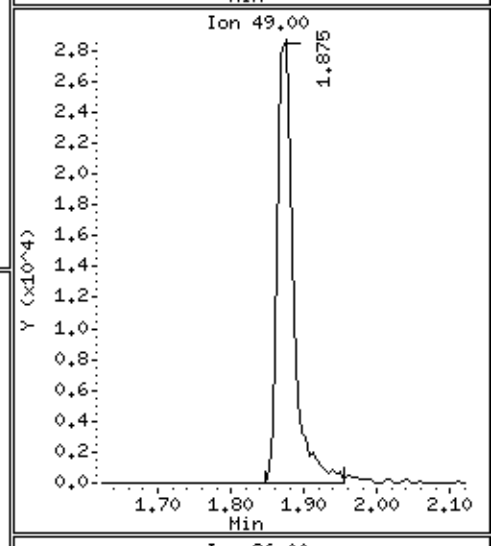
Concentration: 132 ppb

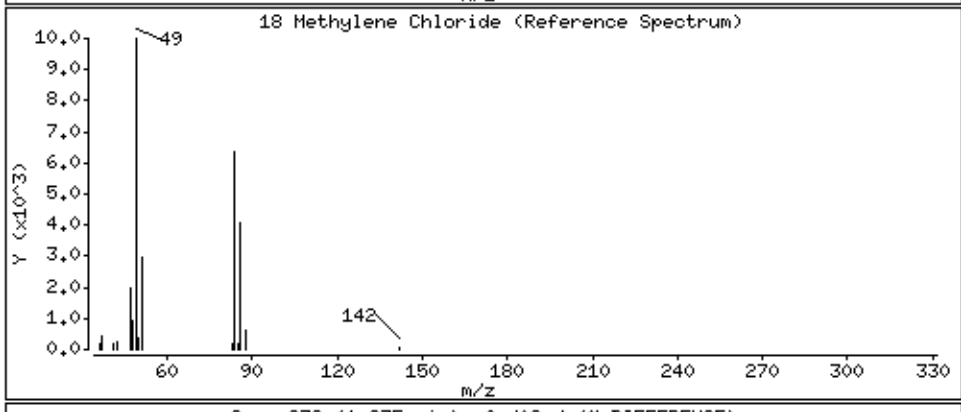
Review Code:

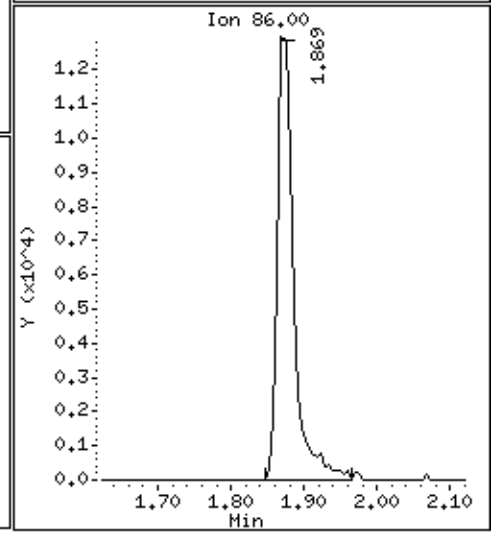


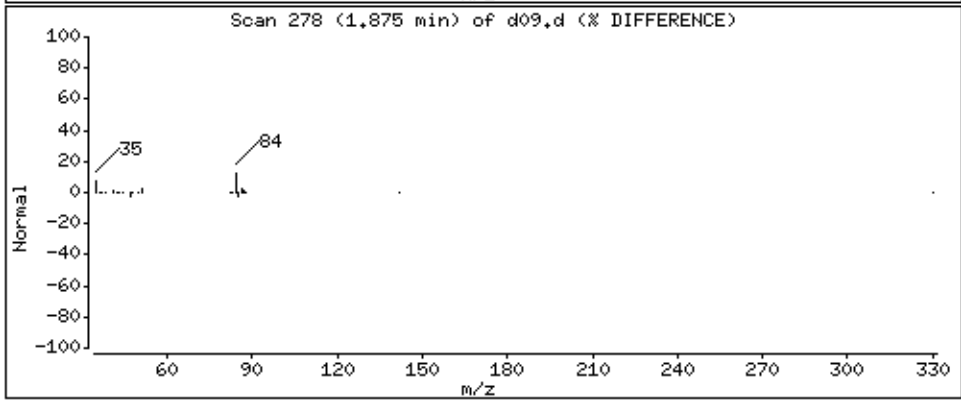












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d09.d

Date : 07-OCT-2016 05:17

Client ID: MW-0620-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366021x10

Purge Volume: 5.0

Operator: jlz

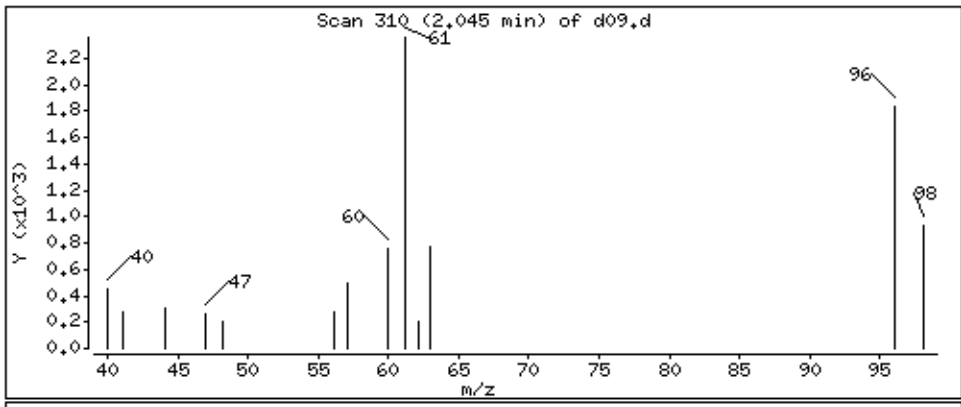
Column phase: DB-624

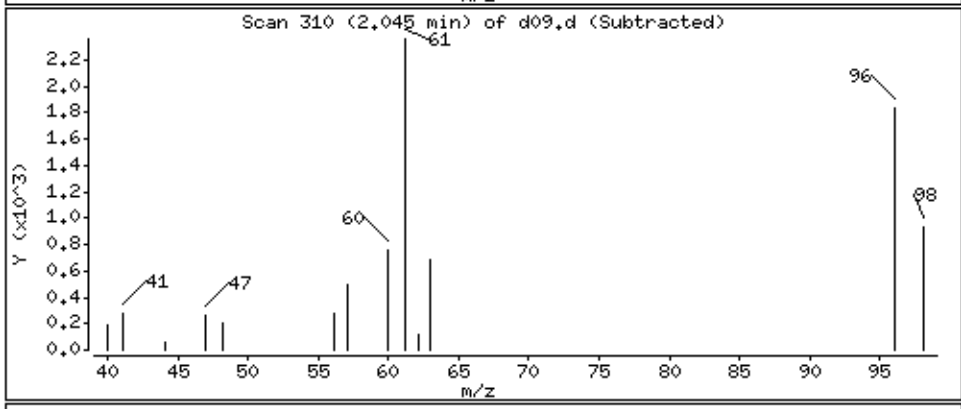
Column diameter: 0.18

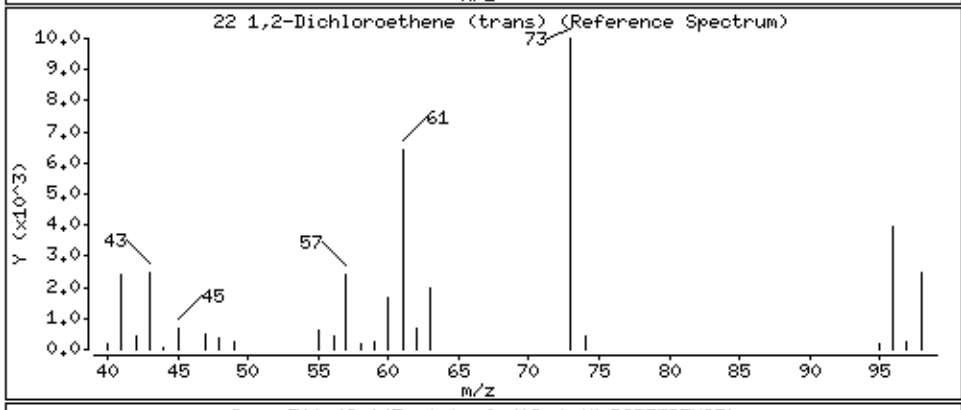
22 1,2-Dichloroethene (trans)

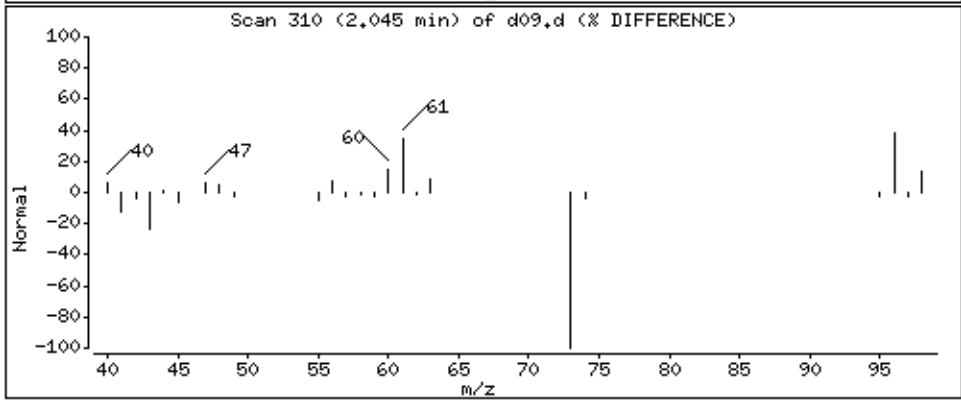
Concentration: 11.5 ppb

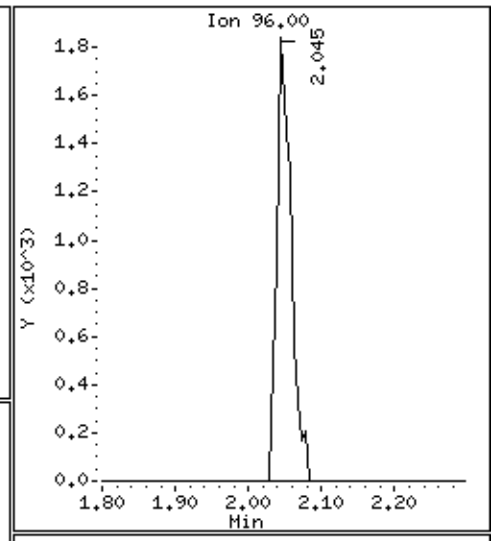
Review Code:

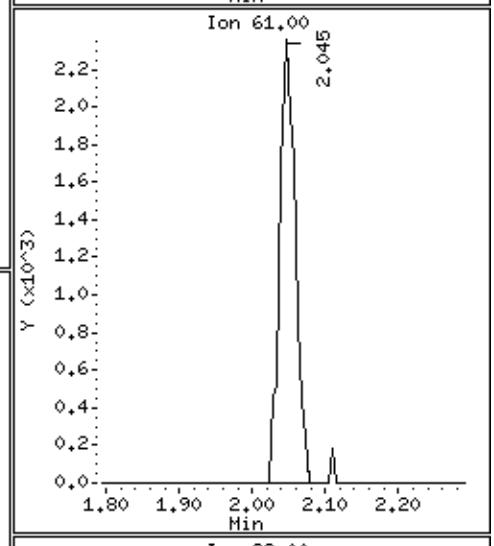


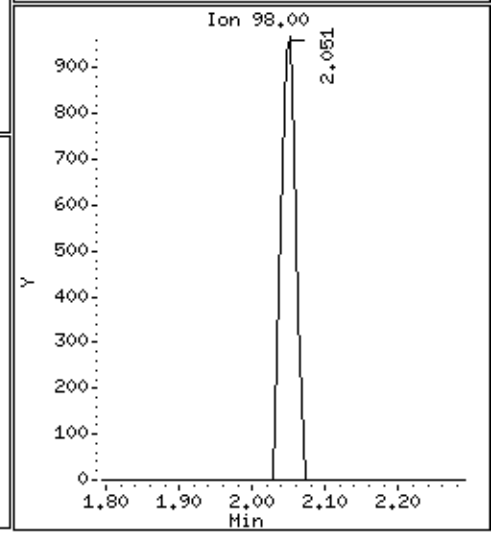












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d09.d

Date : 07-OCT-2016 05:17

Client ID: MW-0620-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366021x10

Purge Volume: 5.0

Operator: jlz

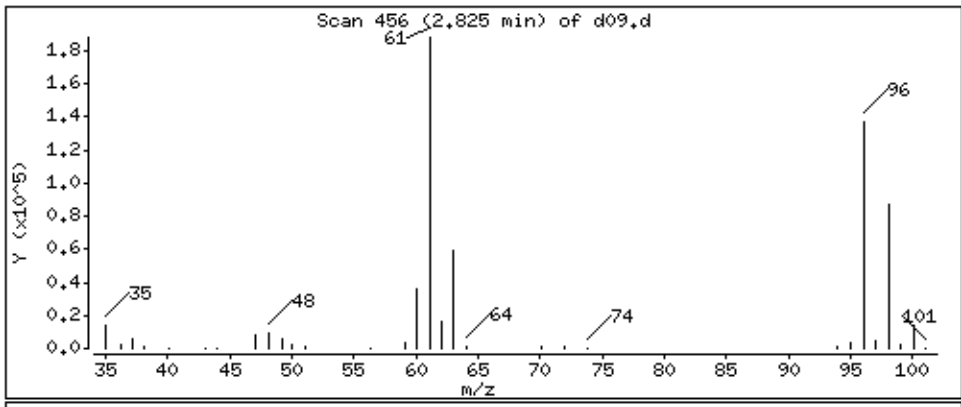
Column phase: DB-624

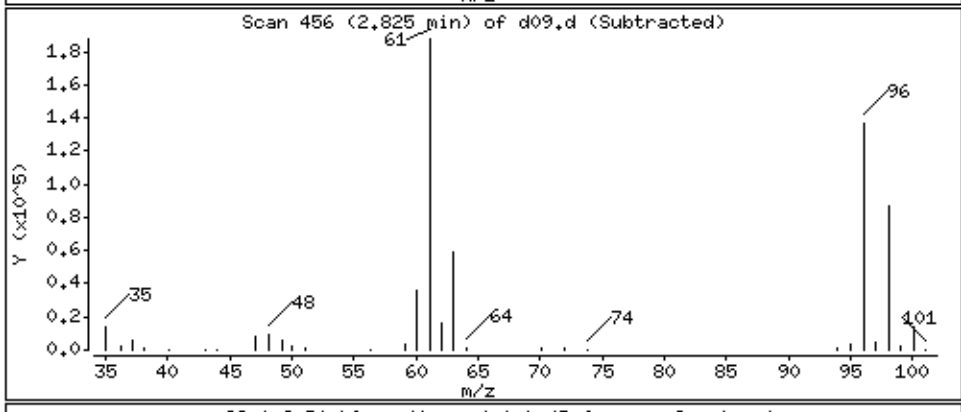
Column diameter: 0.18

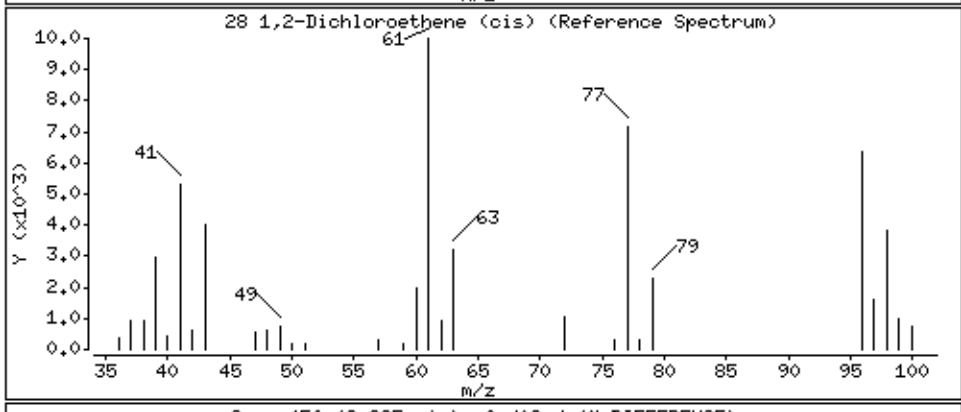
28 1,2-Dichloroethene (cis)

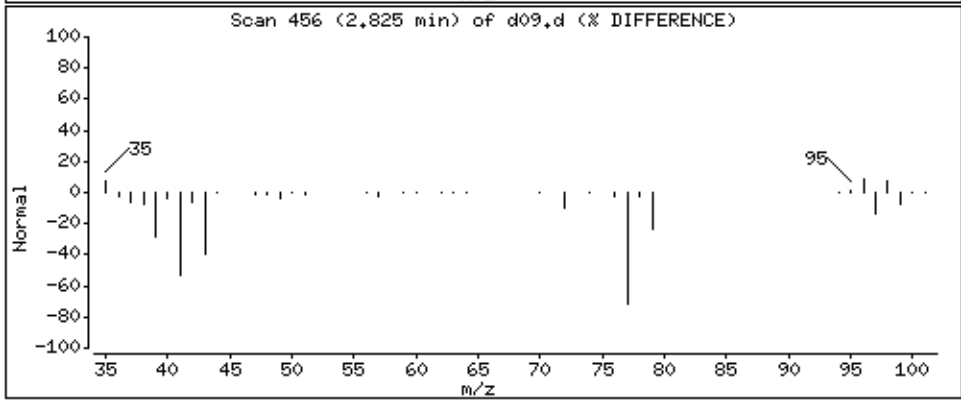
Concentration: 1150 ppb

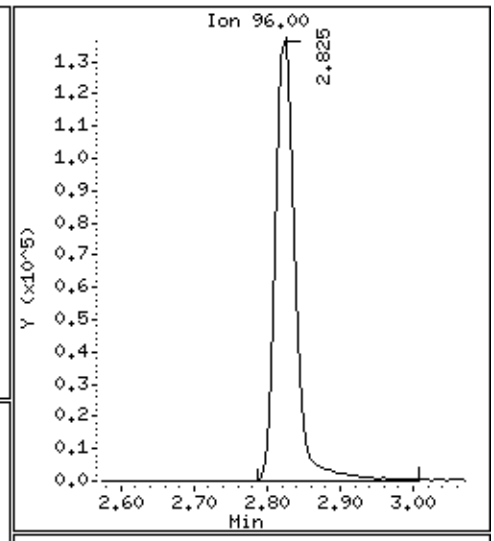
Review Code:

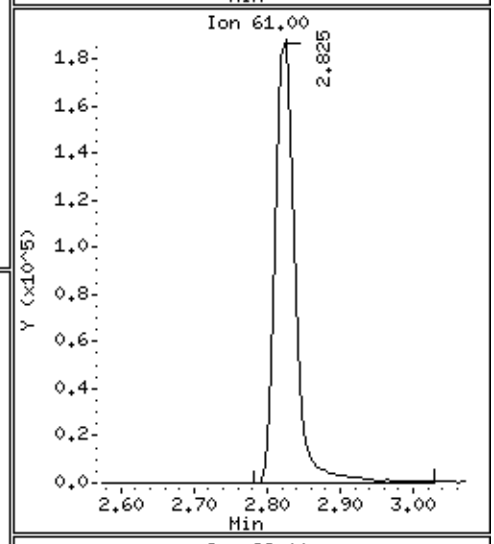


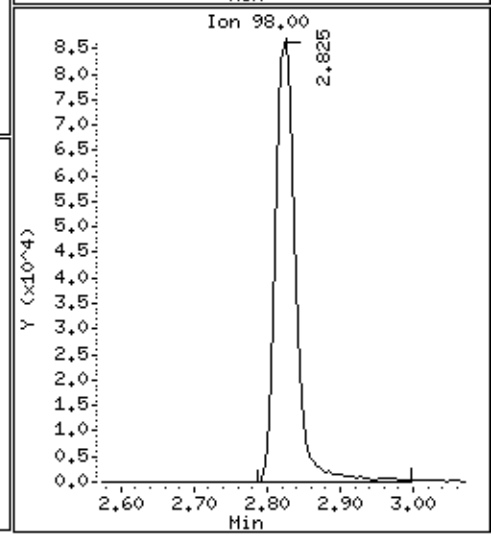












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Date : 07-OCT-2016 05:17

Client ID: MW-0620-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366021x10

Purge Volume: 5.0

Operator: jlz

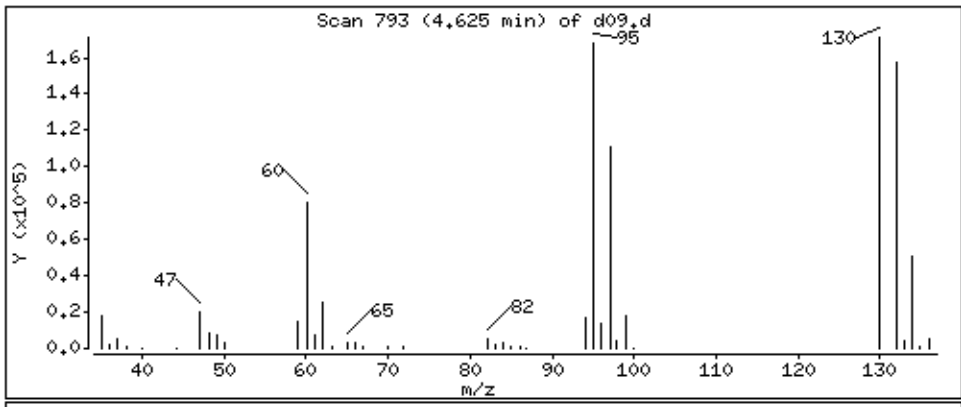
Column phase: DB-624

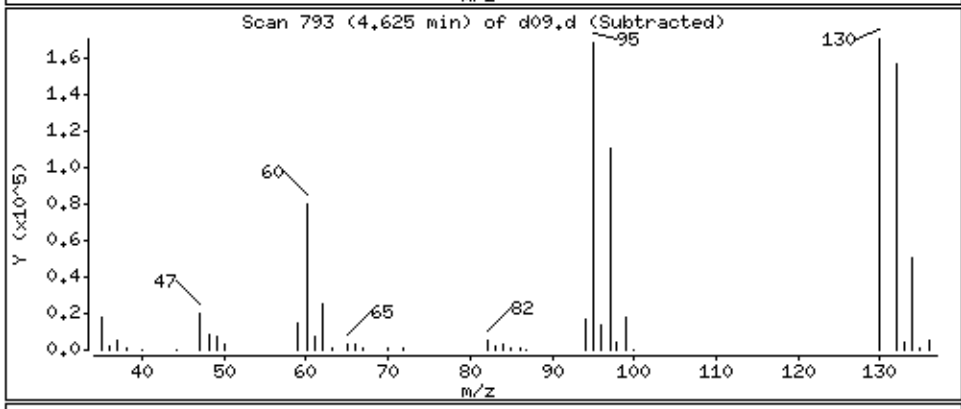
Column diameter: 0.18

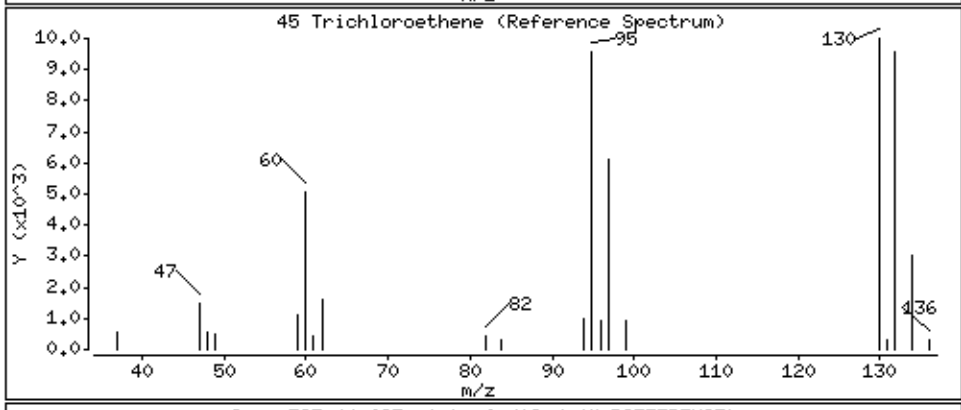
45 Trichloroethene

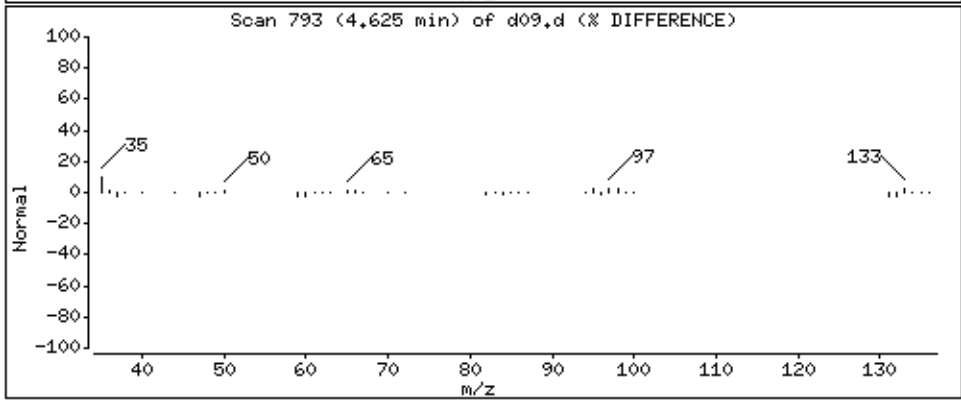
Concentration: 1680 ppb

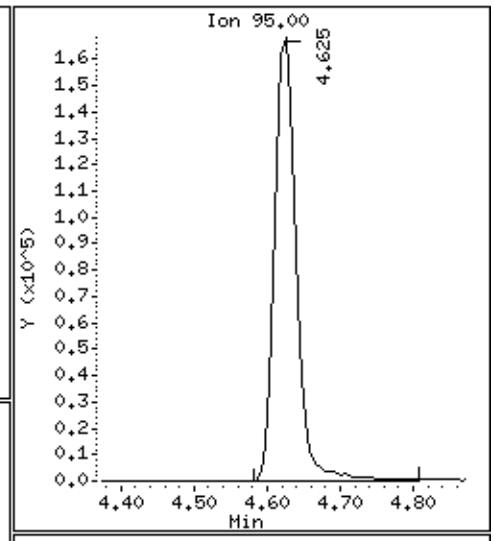
Review Code:

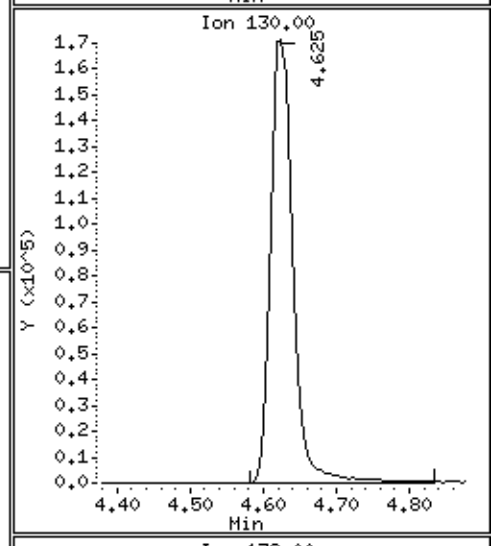


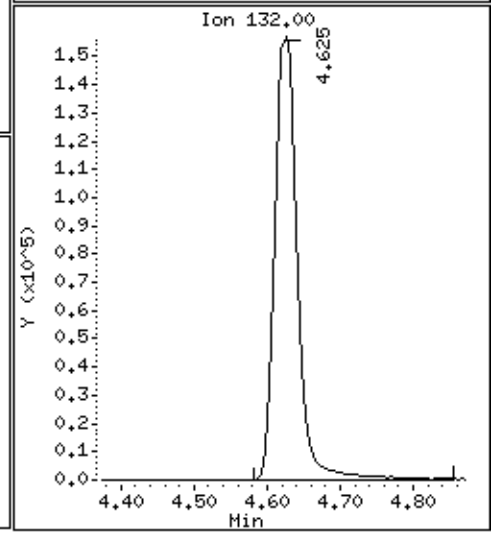












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d09.d

Date : 07-OCT-2016 05:17

Client ID: MW-0620-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366021x10

Purge Volume: 5.0

Operator: jlz

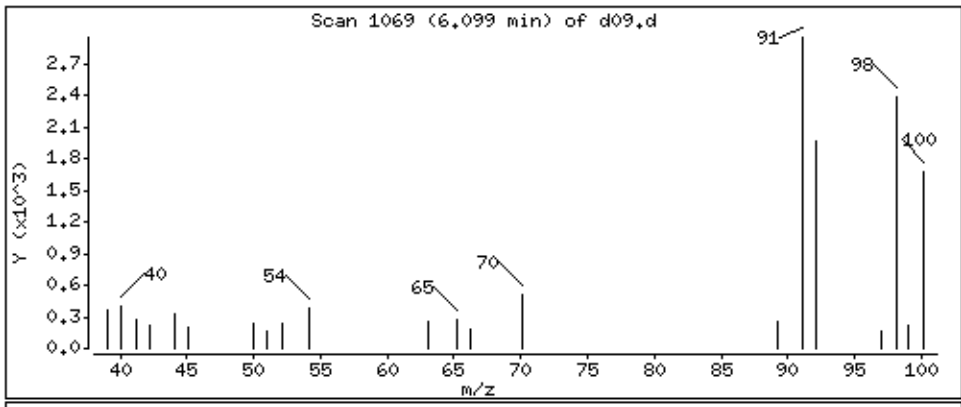
Column phase: DB-624

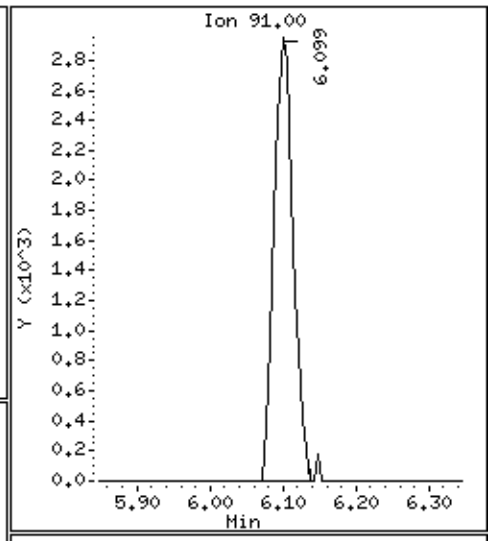
Column diameter: 0.18

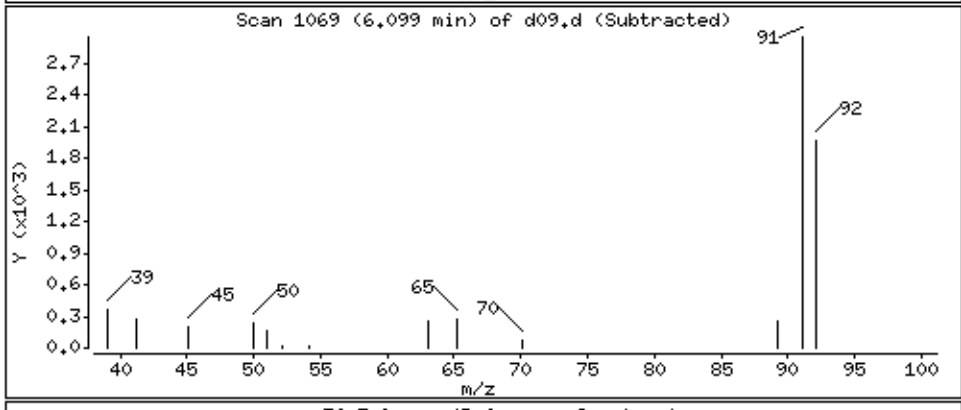
56 Toluene

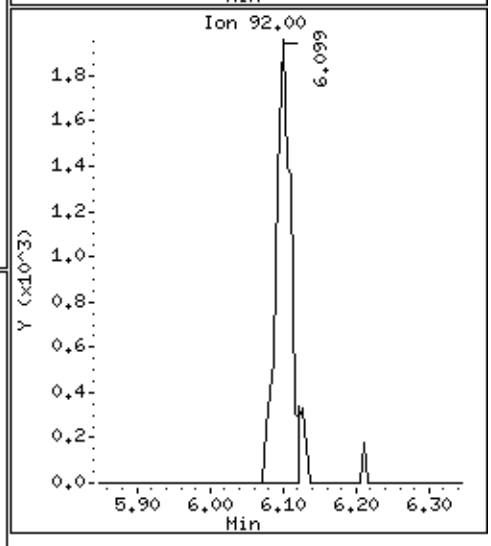
Concentration: 4.96 ppb

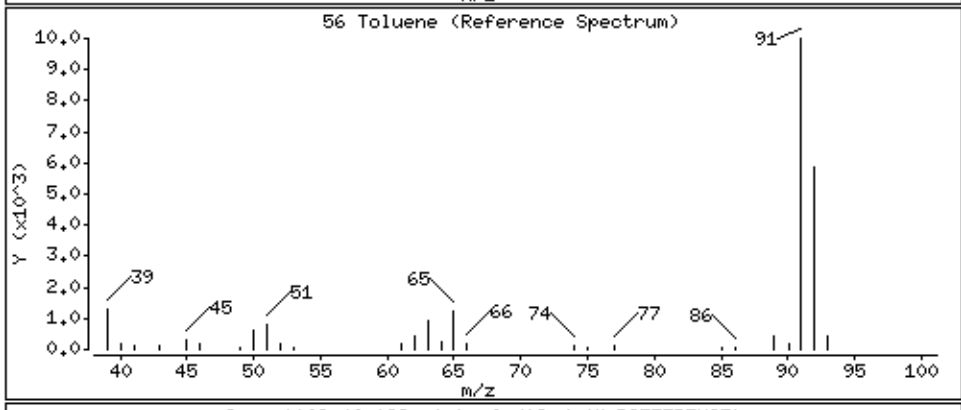
Review Code:

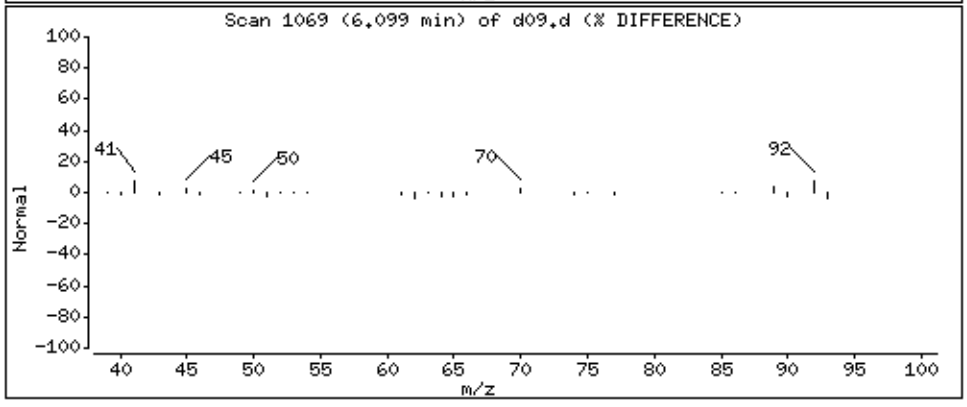












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d09.d
Injection Date: 07-OCT-2016 05:17
Instrument: 50mv3b.i
Lab Sample ID: 50155366021
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0605-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:49 Lab Sample ID: 50155366022

Date Analyzed: 10/07/2016 05:49 Lab File ID: B100616.B\D10.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	116	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0605-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:49 Lab Sample ID: 50155366022

Date Analyzed: 10/07/2016 05:49 Lab File ID: B100616.B\D10.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	1100	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d10.d
Lab Smp Id: 50155366022 Client Smp ID: MW-0605-S1(092716)P
Inj Date : 07-OCT-2016 05:49
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366022x10
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 68
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

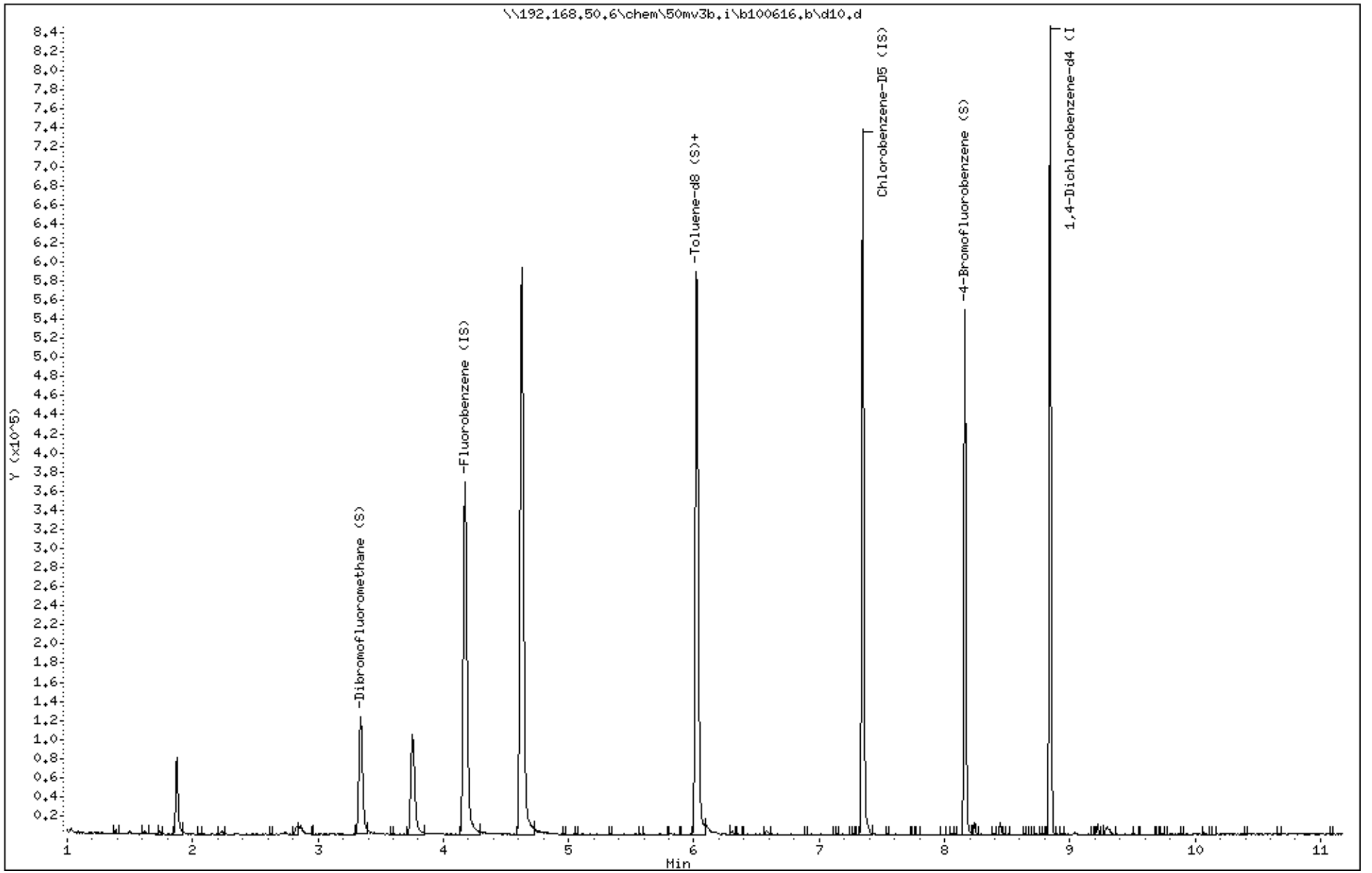
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.613	1.610	(0.387)	3028	8.68171	86.8	
	18 Methylene Chloride	84	1.875	1.872	(0.449)	25550	11.5525	116	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	3372	1.64221	16.4(Q)	
$	35 Dibromofluoromethane (S)	113	3.344	3.341	(0.802)	84719	48.7742	48.8	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	377266	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	209394	110.495	1100	
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	382804	46.7953	46.8	
	56 Toluene	91	6.100	6.097	(0.831)	2890	0.28423	2.84	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	276909	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.161	8.164	(1.111)	131183	50.9449	50.9	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	135147	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d10.d
Date : 07-OCT-2016 05:49
Client ID: MW-0605-S1(092716)P
Sample Info: 50155366022x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d10.d

Date : 07-OCT-2016 05:49

Client ID: MW-0605-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366022x10

Purge Volume: 5.0

Operator: jlz

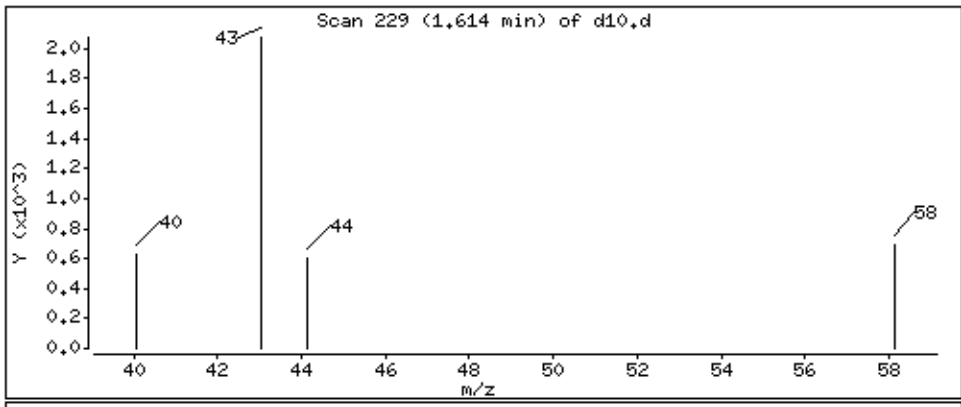
Column phase: DB-624

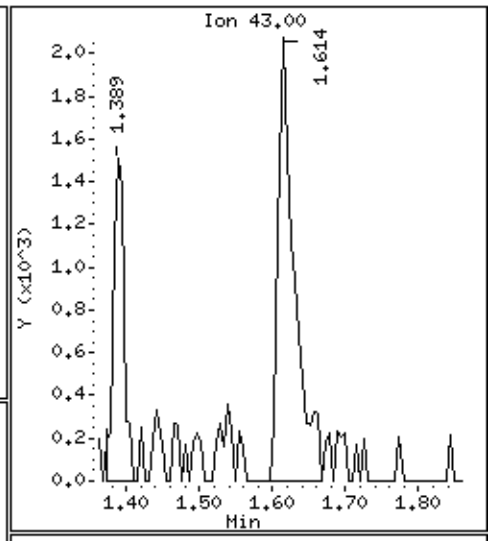
Column diameter: 0.18

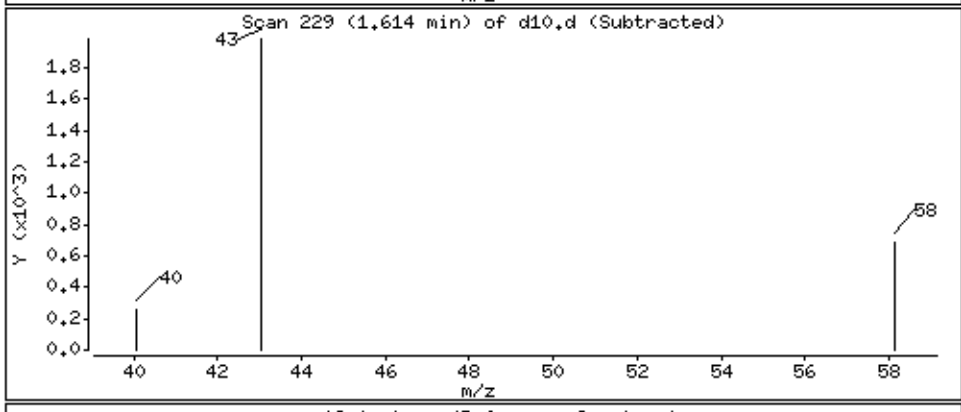
12 Acetone

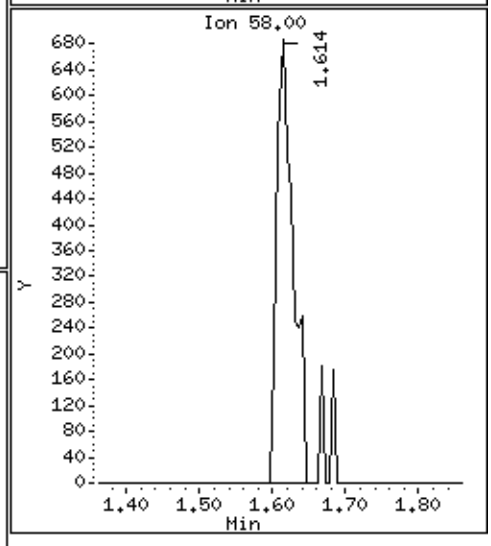
Concentration: 86.8 ppb

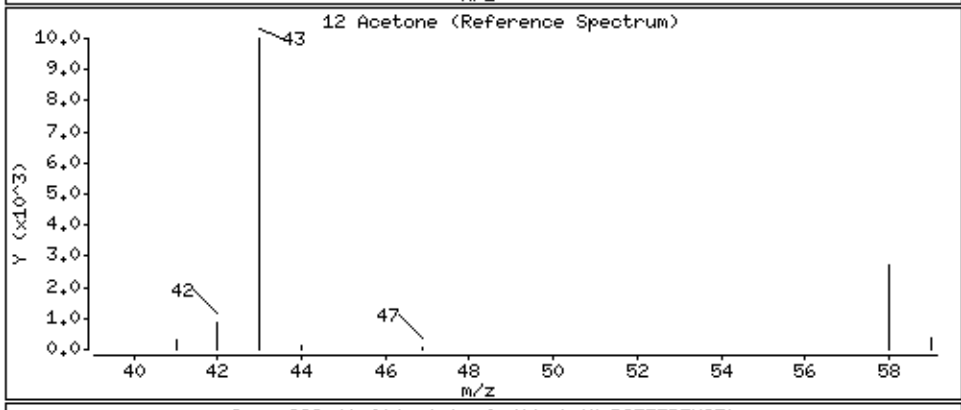
Review Code:

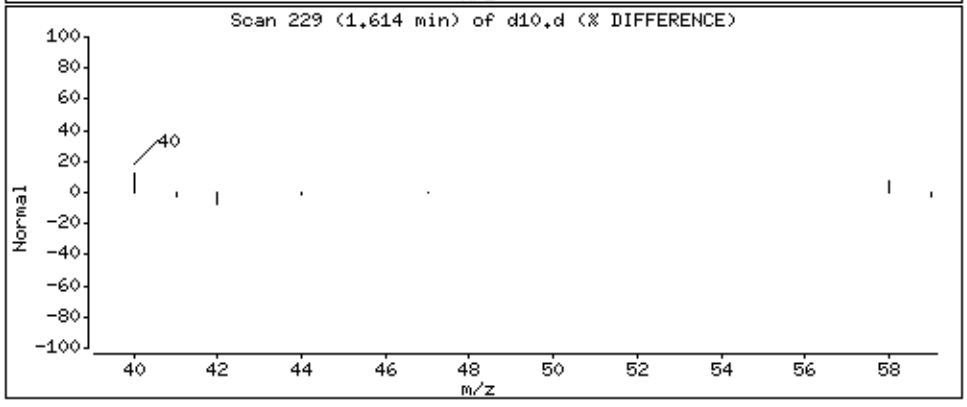












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d10.d

Date : 07-OCT-2016 05:49

Client ID: MW-0605-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366022x10

Purge Volume: 5.0

Operator: jlz

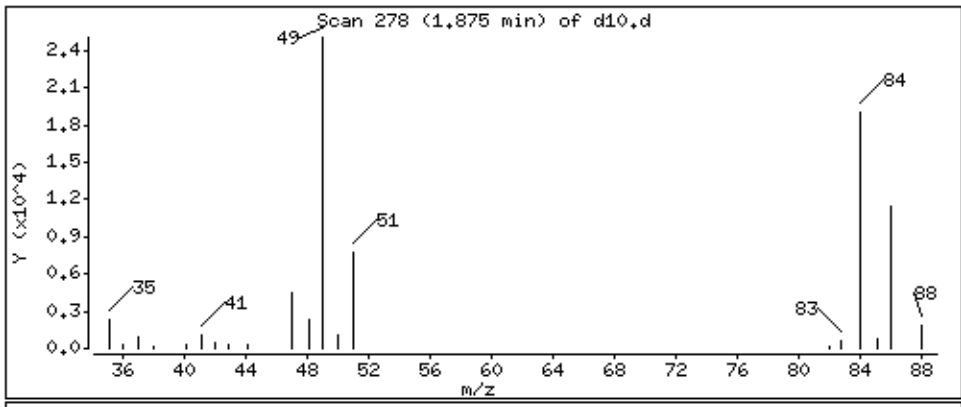
Column phase: DB-624

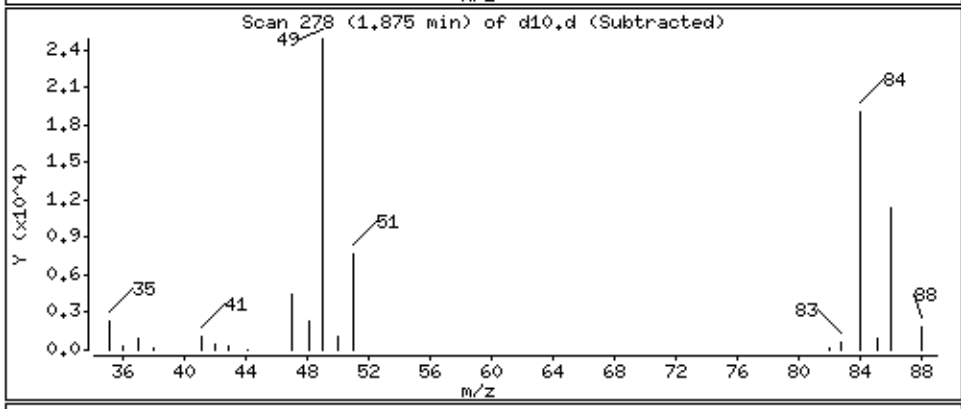
Column diameter: 0.18

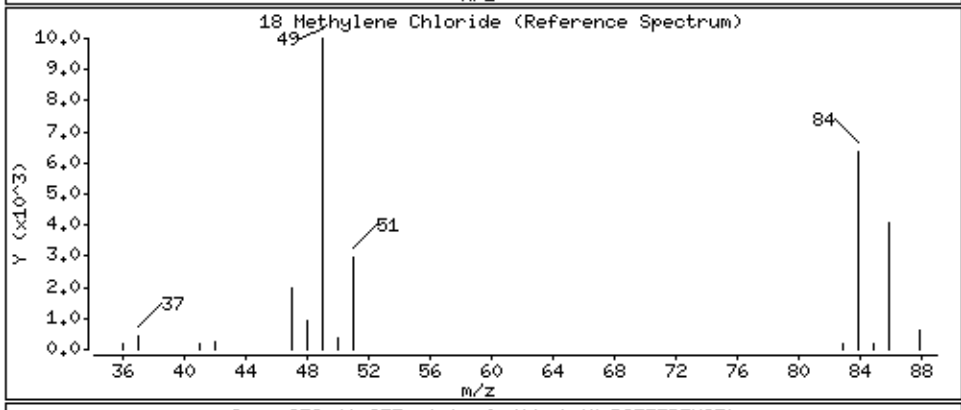
18 Methylene Chloride

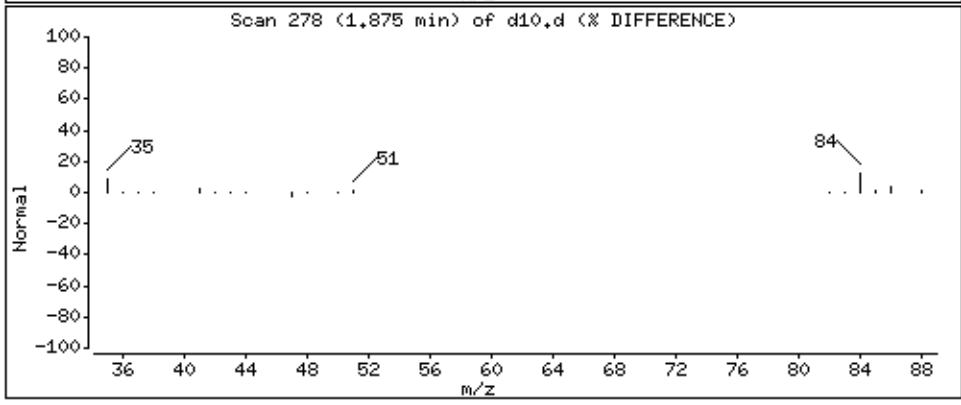
Concentration: 116 ppb

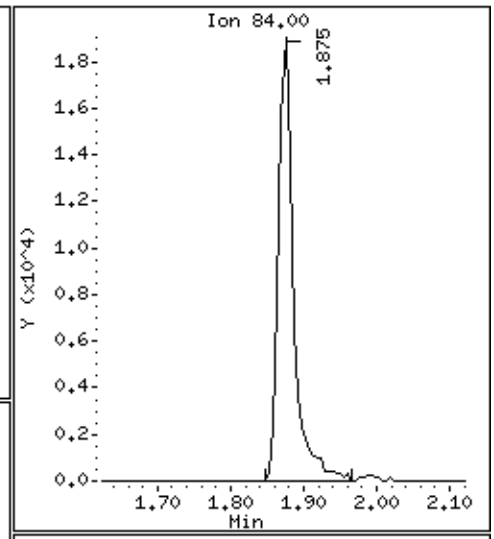
Review Code:

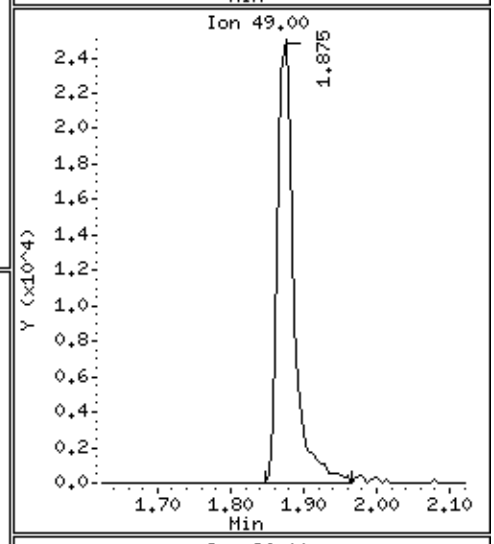


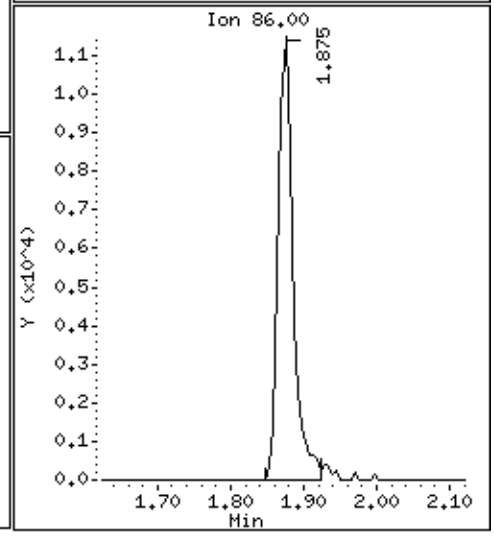












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d10.d

Date : 07-OCT-2016 05:49

Client ID: MW-0605-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366022x10

Purge Volume: 5.0

Operator: jlz

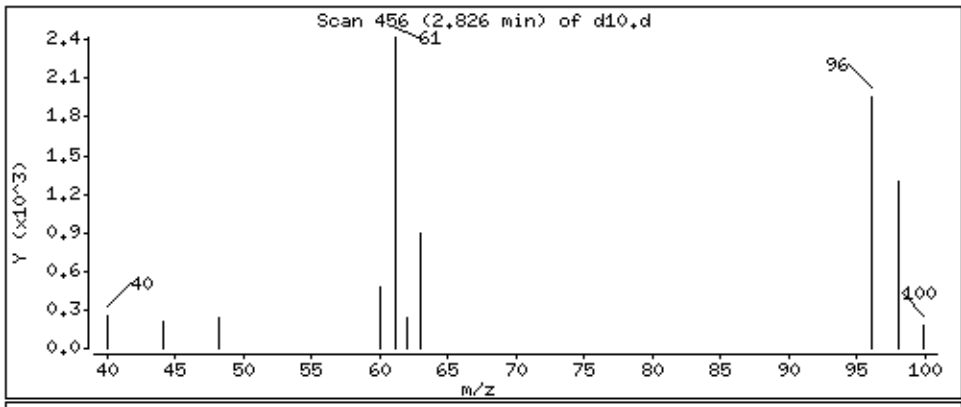
Column phase: DB-624

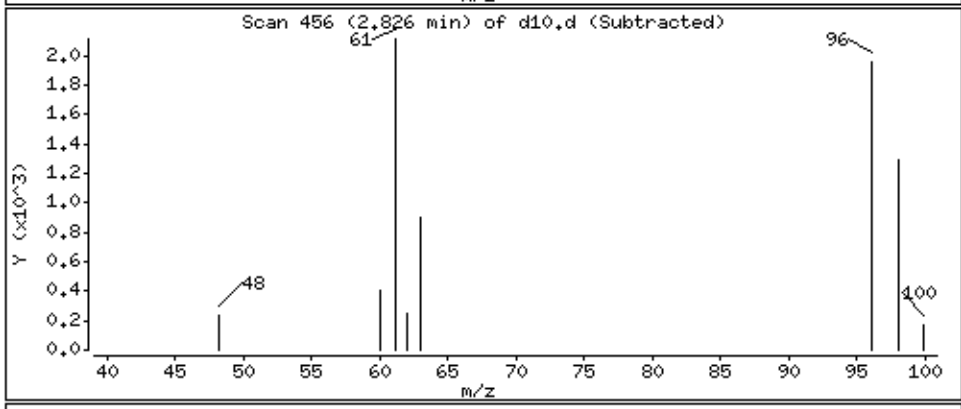
Column diameter: 0.18

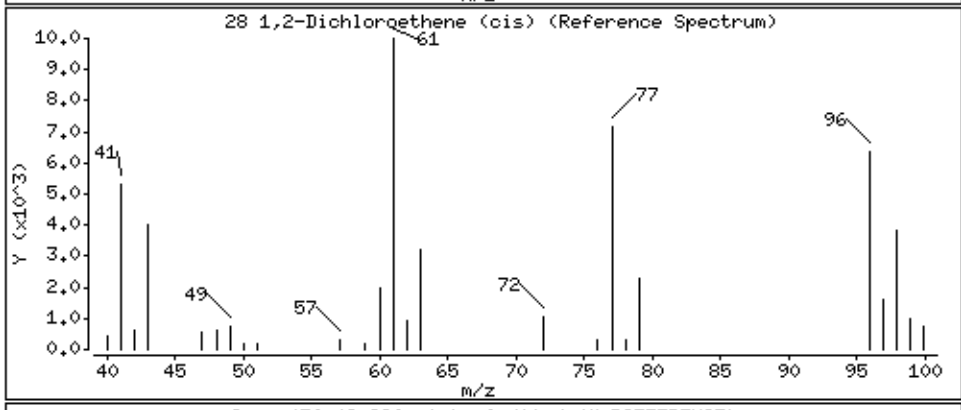
28 1,2-Dichloroethene (cis)

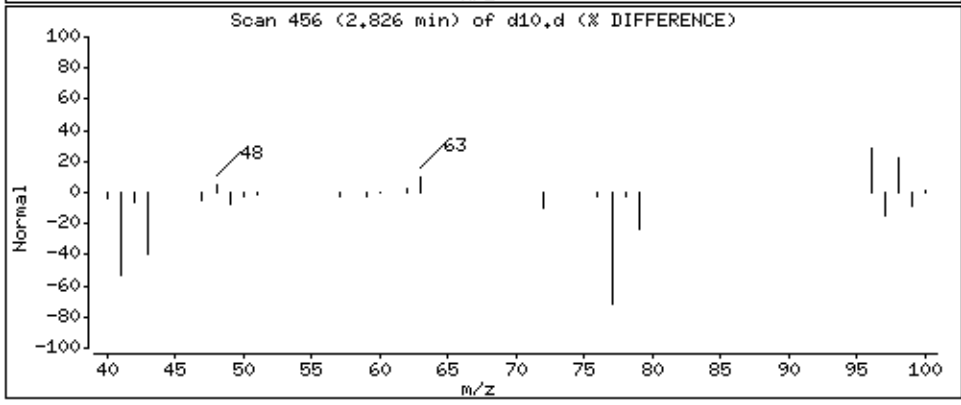
Concentration: 16.4 ppb

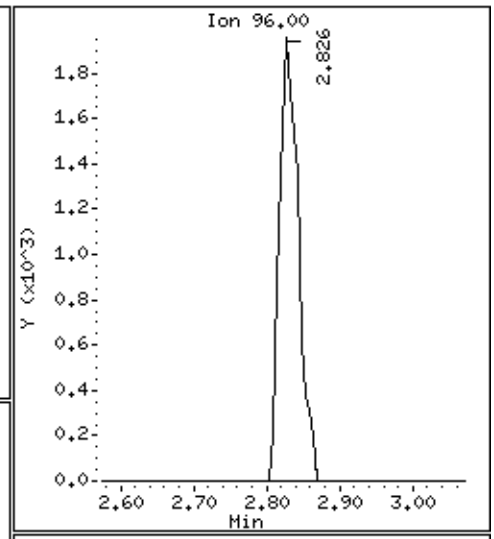
Review Code:

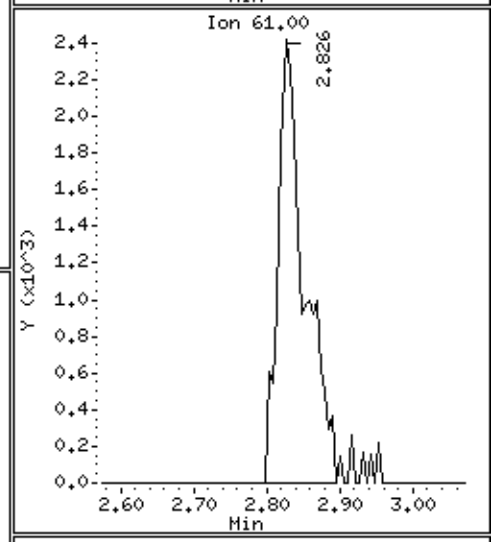


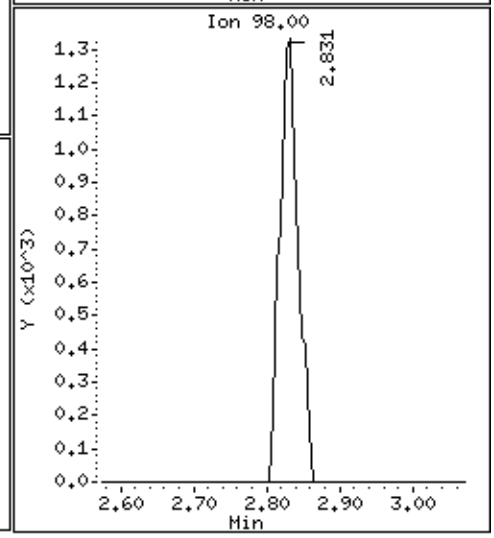












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Date : 07-OCT-2016 05:49

Client ID: MW-0605-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366022x10

Purge Volume: 5.0

Operator: jlz

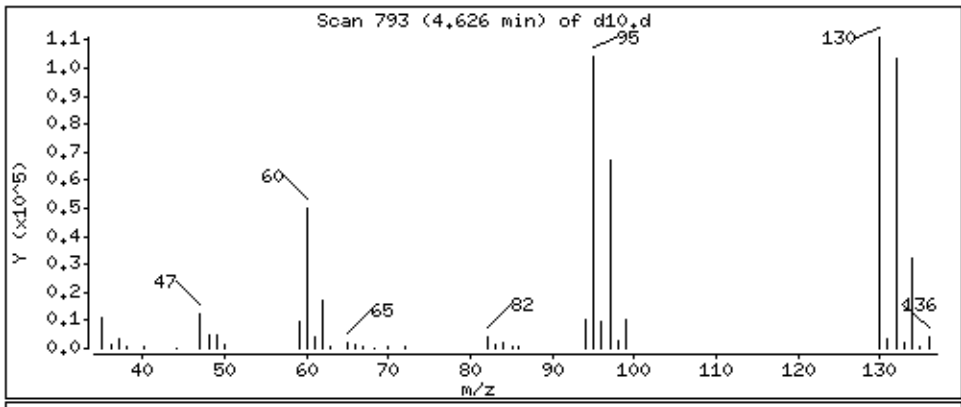
Column phase: DB-624

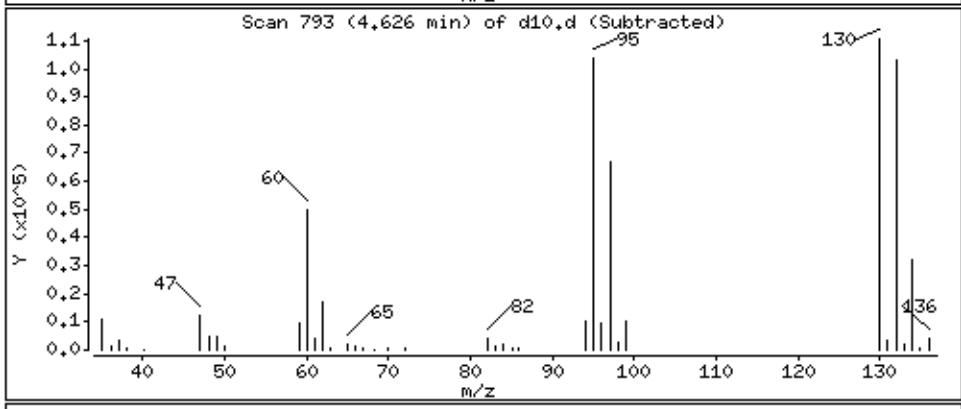
Column diameter: 0.18

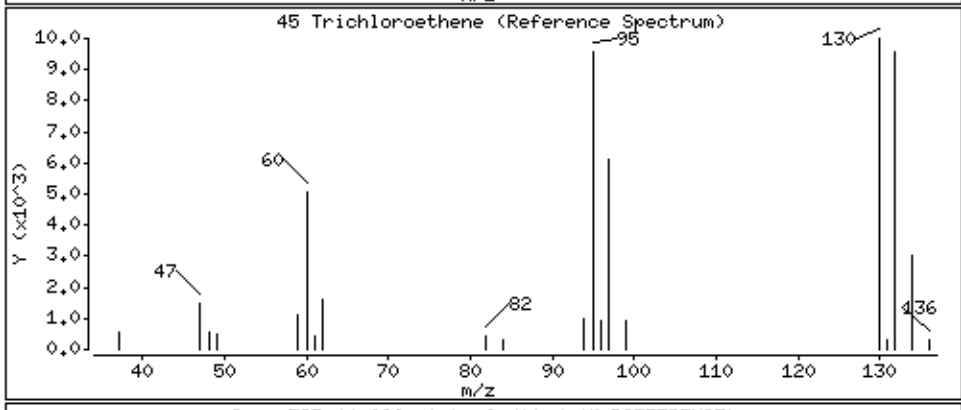
45 Trichloroethene

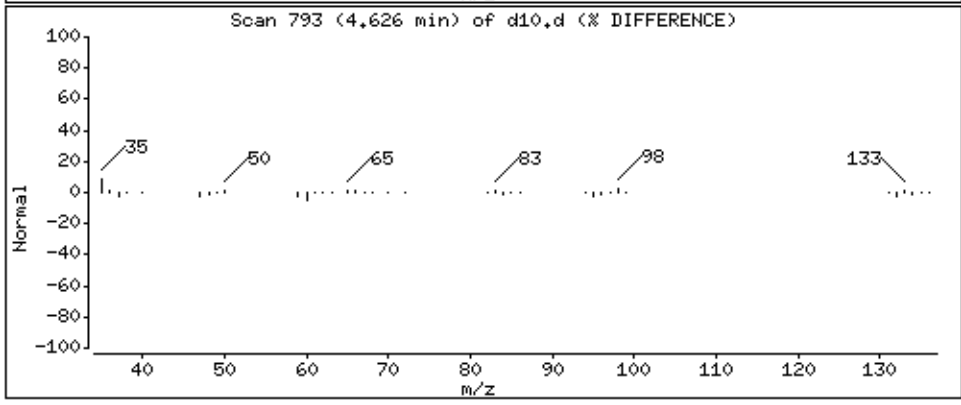
Concentration: 1100 ppb

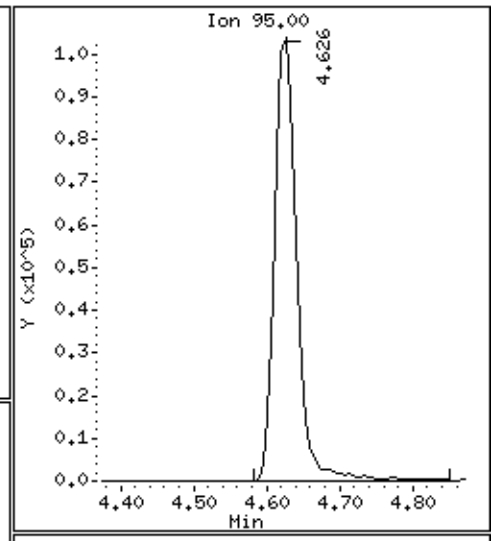
Review Code:

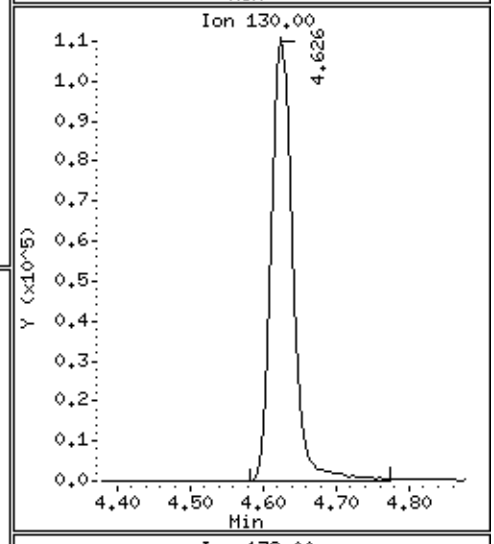


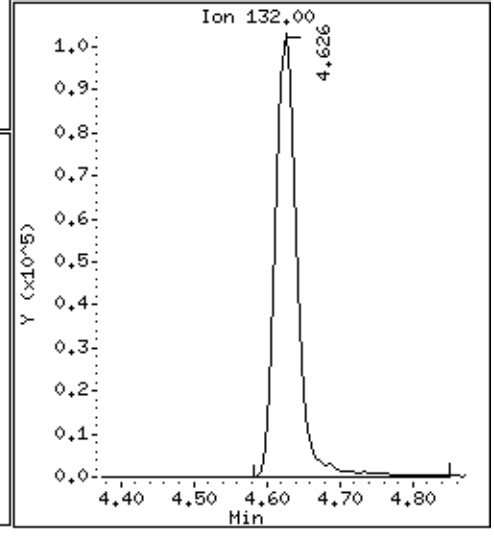












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d10.d

Date : 07-OCT-2016 05:49

Client ID: MW-0605-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366022x10

Purge Volume: 5.0

Operator: jlz

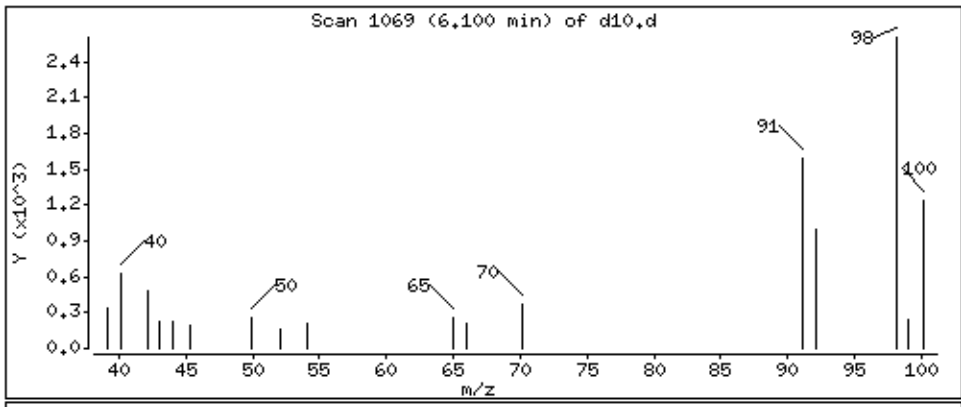
Column phase: DB-624

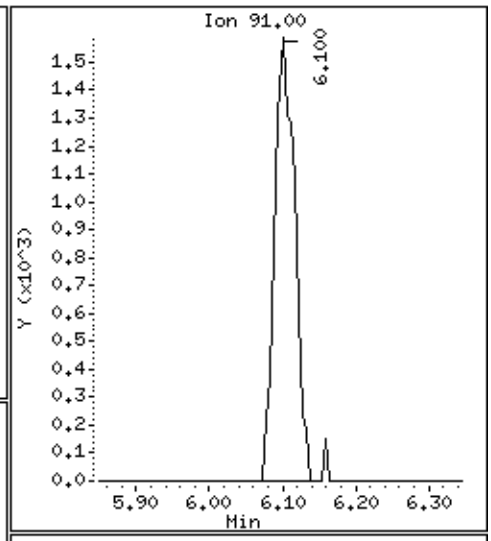
Column diameter: 0.18

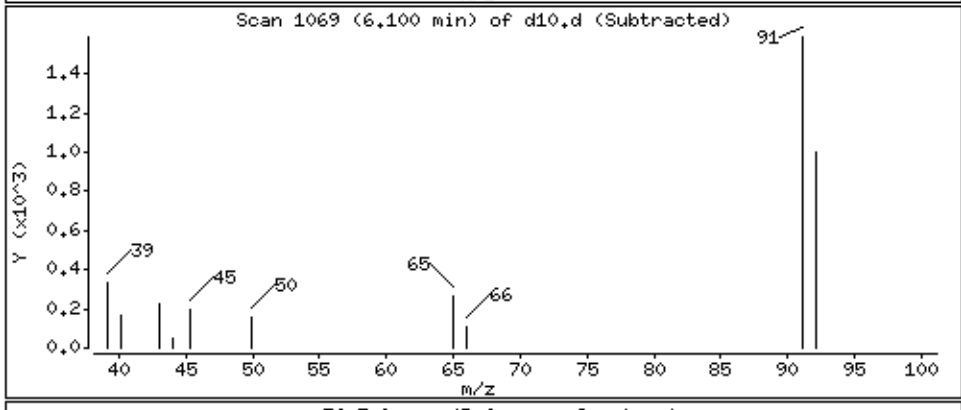
56 Toluene

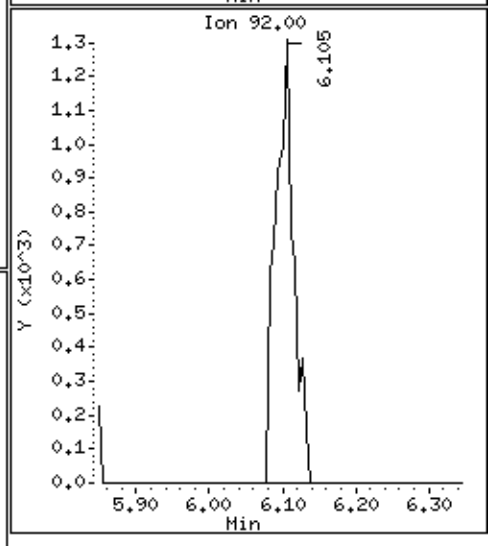
Concentration: 2.84 ppb

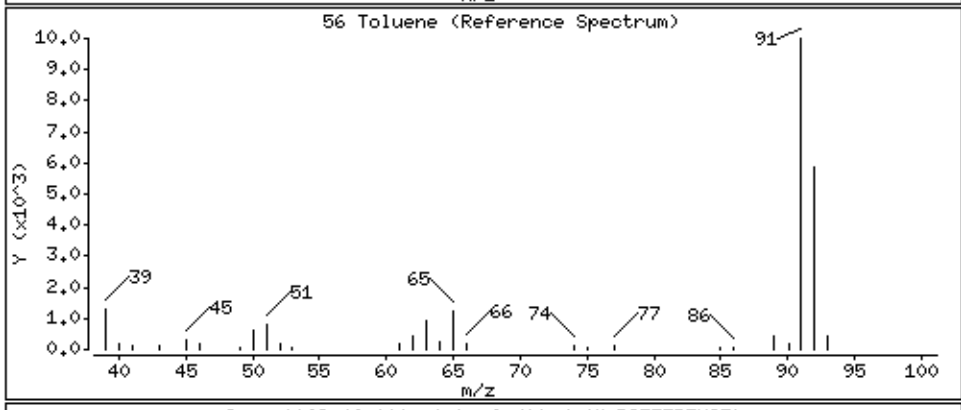
Review Code:

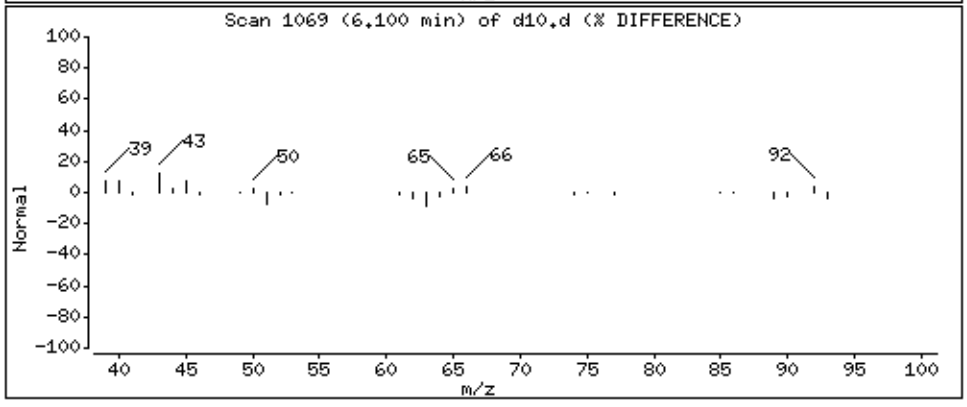












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d10.d
Injection Date: 07-OCT-2016 05:49
Instrument: 50mv3b.i
Lab Sample ID: 50155366022
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-2(092716)RW

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:21 Lab Sample ID: 50155366023

Date Analyzed: 10/07/2016 06:21 Lab File ID: B100616.B\D11.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-2(092716)RW

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:21 Lab Sample ID: 50155366023

Date Analyzed: 10/07/2016 06:21 Lab File ID: B100616.B\D11.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d11.d
Lab Smp Id: 50155366023 Client Smp ID: TB-2(092716)RW
Inj Date : 07-OCT-2016 06:21
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366023
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 70
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

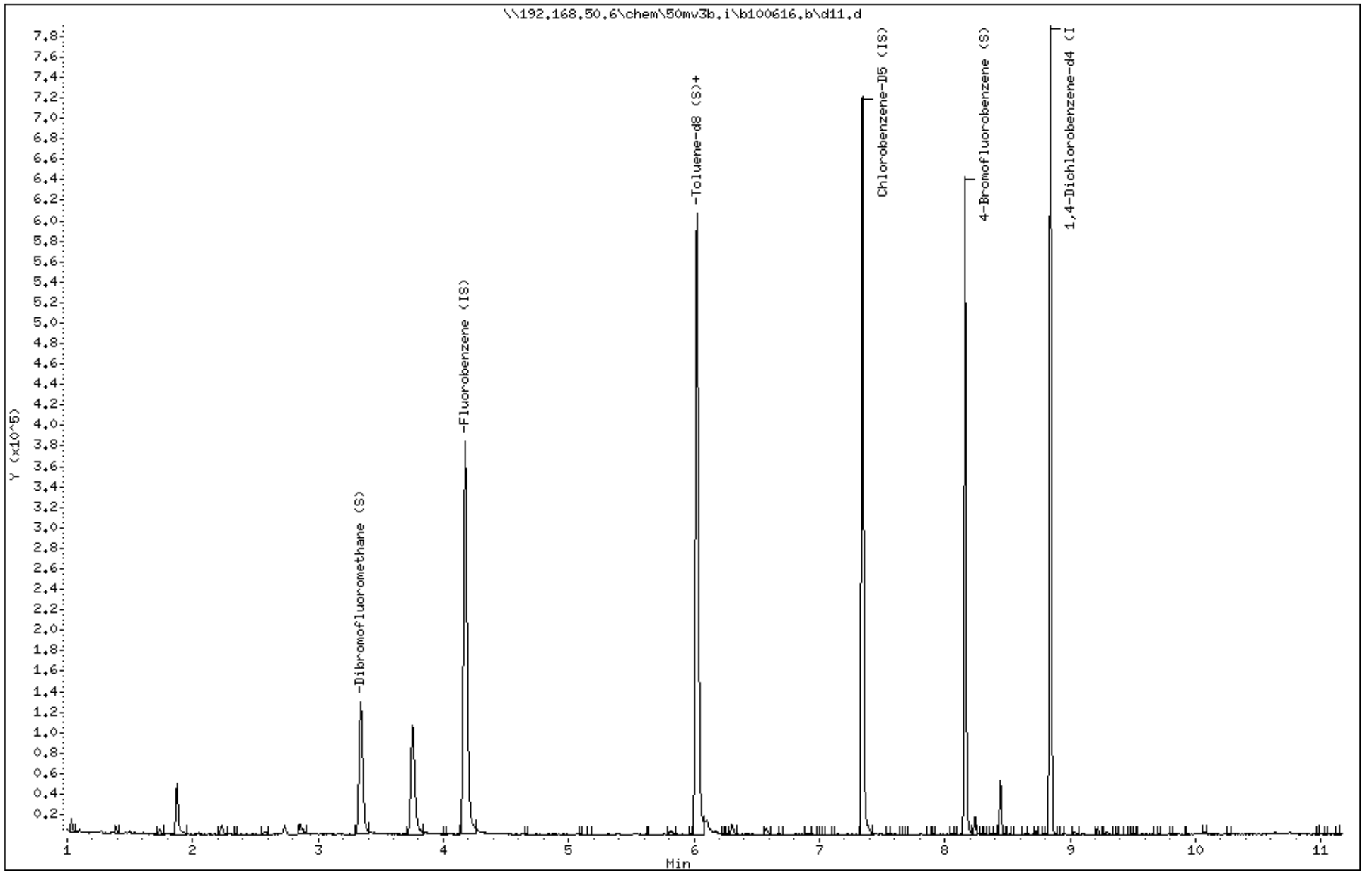
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.873	1.872	(0.449)	15444	5.66138	5.66	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	87453	48.5273	48.5	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	391422	50.0000		
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	388936	46.2099	46.2	
	56 Toluene	91	6.103	6.097	(0.831)	6517	0.62294	0.623	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	284909	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	136839	51.6492	51.6	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.837	8.842	(1.000)	134914	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d11.d
Date : 07-OCT-2016 06:21
Client ID: TB-2(092716)RW
Sample Info: 50155366023
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d11.d

Date : 07-OCT-2016 06:21

Client ID: TB-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366023

Purge Volume: 5.0

Operator: jlz

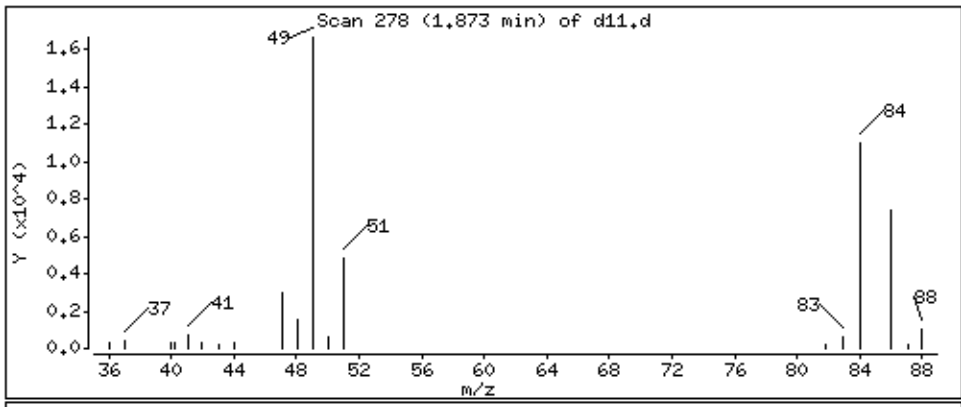
Column phase: DB-624

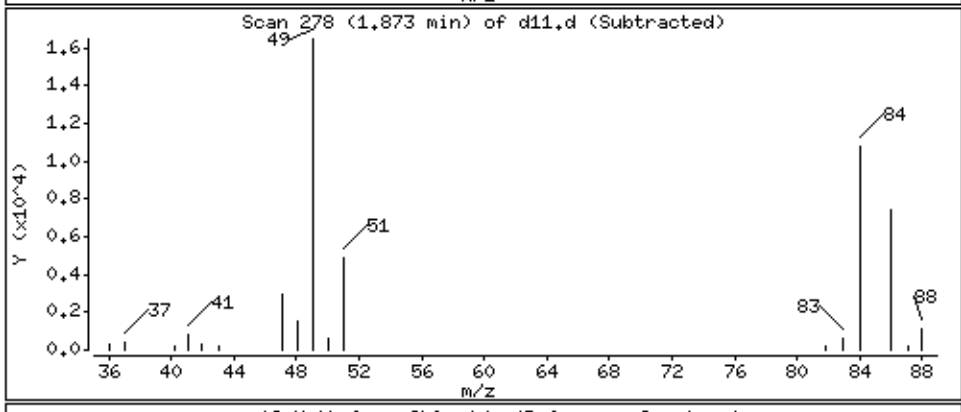
Column diameter: 0.18

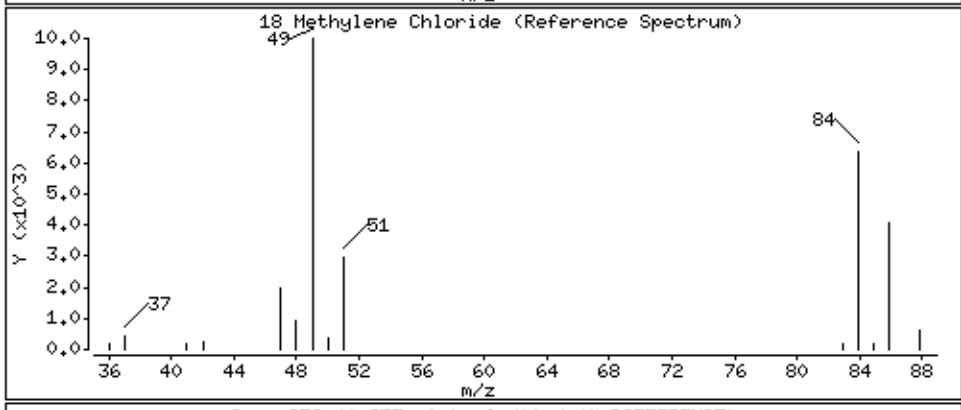
18 Methylene Chloride

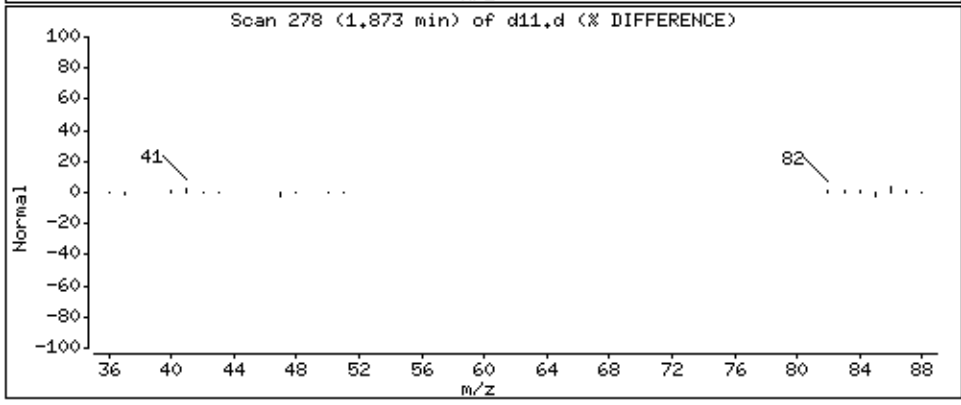
Concentration: 5.66 ppb

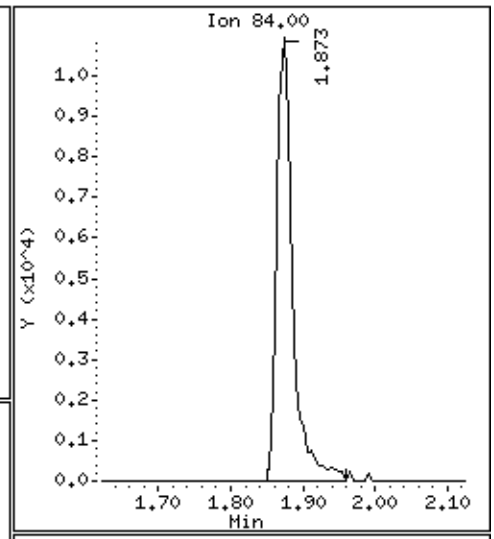
Review Code:

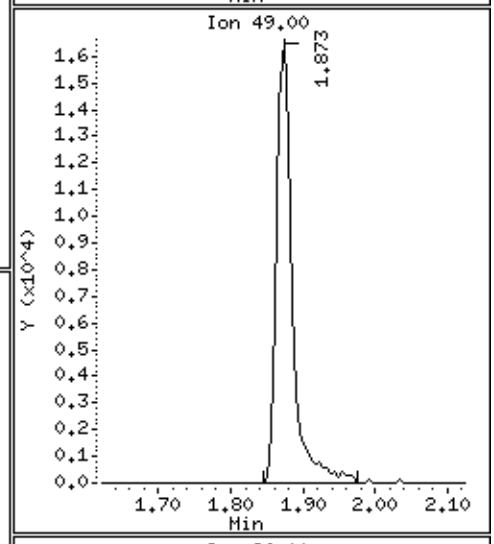


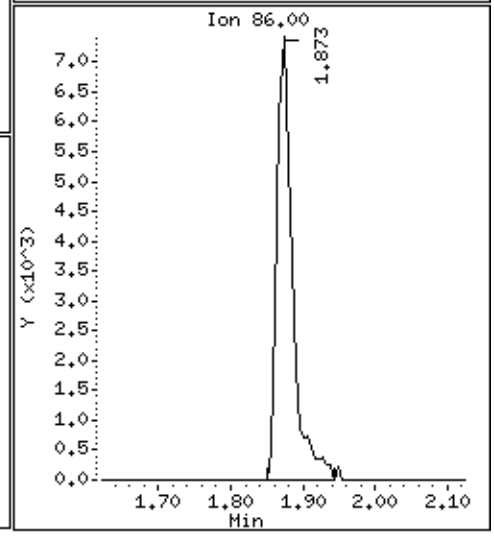












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d11.d

Date : 07-OCT-2016 06:21

Client ID: TB-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366023

Purge Volume: 5.0

Operator: jlz

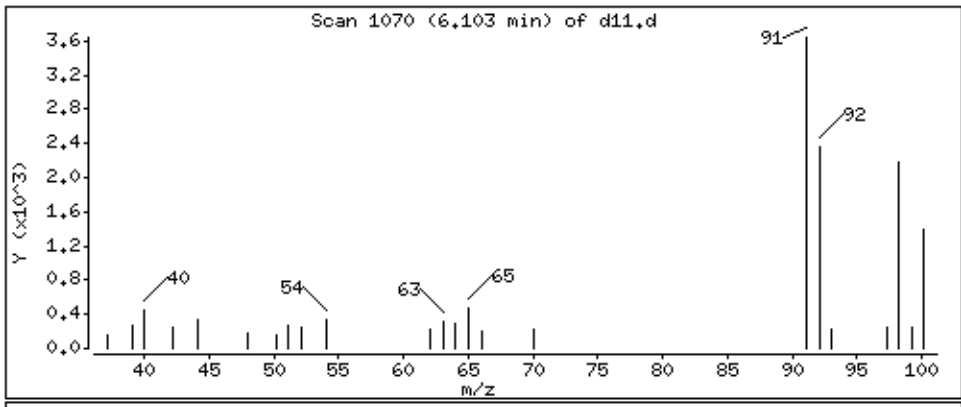
Column phase: DB-624

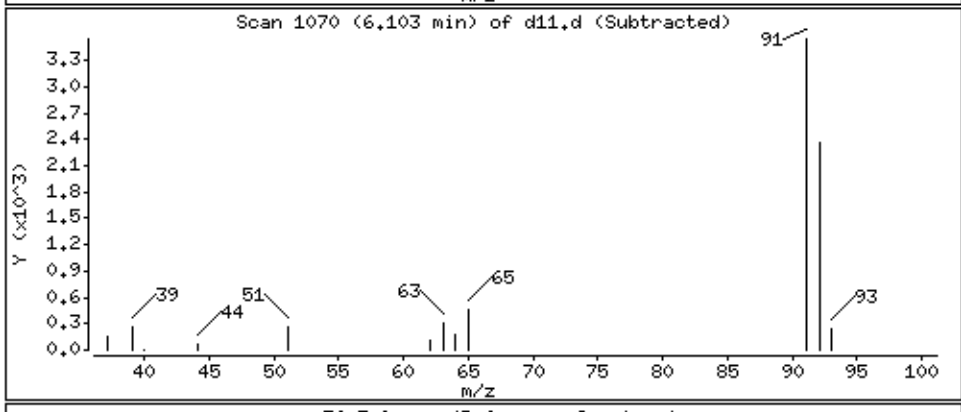
Column diameter: 0.18

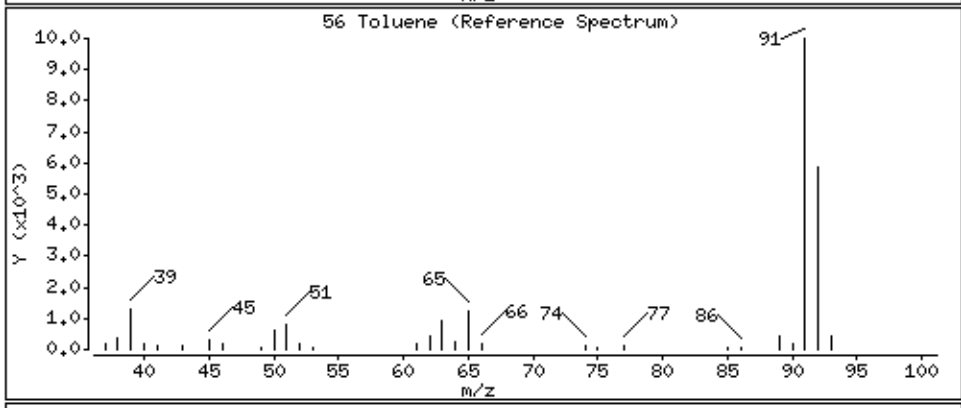
56 Toluene

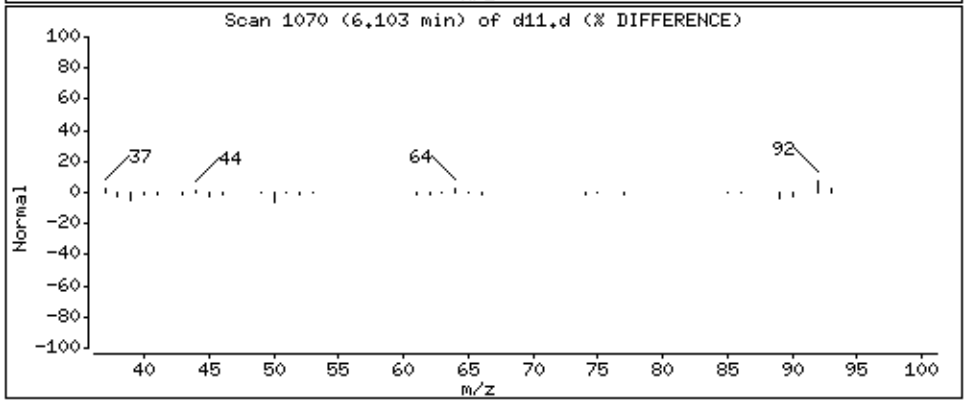
Concentration: 0.623 ppb

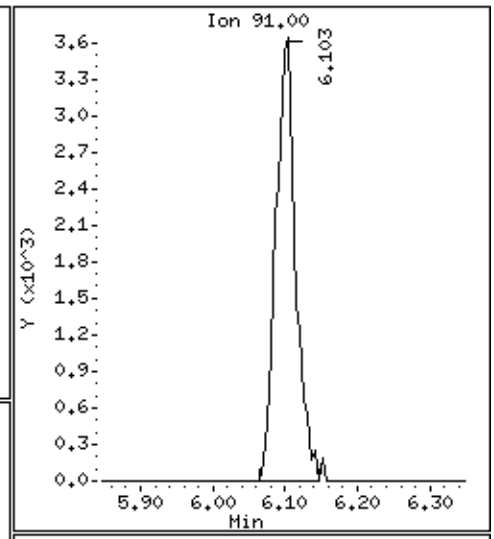
Review Code:

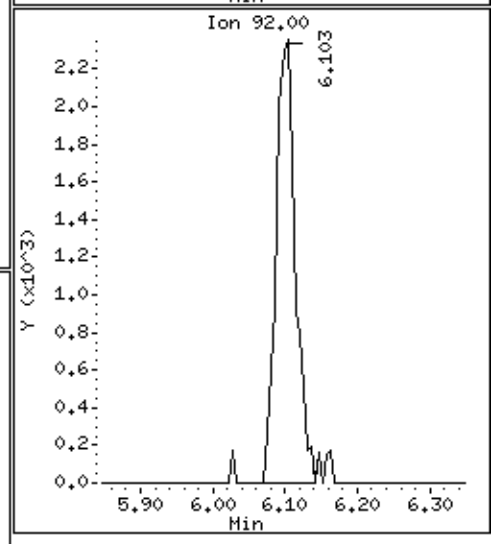












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Injection Date: 07-OCT-2016 06:21
Instrument: 50mv3b.i
Lab Sample ID: 50155366023
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

FD-2(092716)RW

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 06:52 Lab Sample ID: 50155366024

Date Analyzed: 10/11/2016 06:52 Lab File ID: A101016.B\C18.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 200 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
156-59-2	cis-1,2-Dichloroethene	1470	
79-01-6	Trichloroethene	11500	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c18.d
Lab Smp Id: 50155366024 Client Smp ID: FD-2(092716)RW
Inj Date : 11-OCT-2016 06:52
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366024x200
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 83
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	200.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.865	1.862	(0.448)	24660	11.4061	2280	
	28 1,2-Dichloroethene (cis)	96	2.816	2.813	(0.676)	15620	7.37132	1470(Q)	
$	35 Dibromofluoromethane (S)	113	3.334	3.331	(0.800)	86683	48.3996	48.4	
*	45 Fluorobenzene (IS)	96	4.167	4.164	(1.000)	396075	50.0000		
	46 Trichloroethene	95	4.616	4.618	(1.108)	118390	57.3884	11500	
$	56 Toluene-d8 (S)	98	6.020	6.018	(0.820)	375936	47.5854	47.6	
	57 Toluene	91	6.100	6.093	(0.831)	3512	0.37444	74.9	
*	66 Chlorobenzene-D5 (IS)	117	7.345	7.342	(1.000)	254788	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.162	8.165	(1.111)	113548	49.9835	50.0	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.838	(1.000)	107214	50.0000		

QC Flag Legend

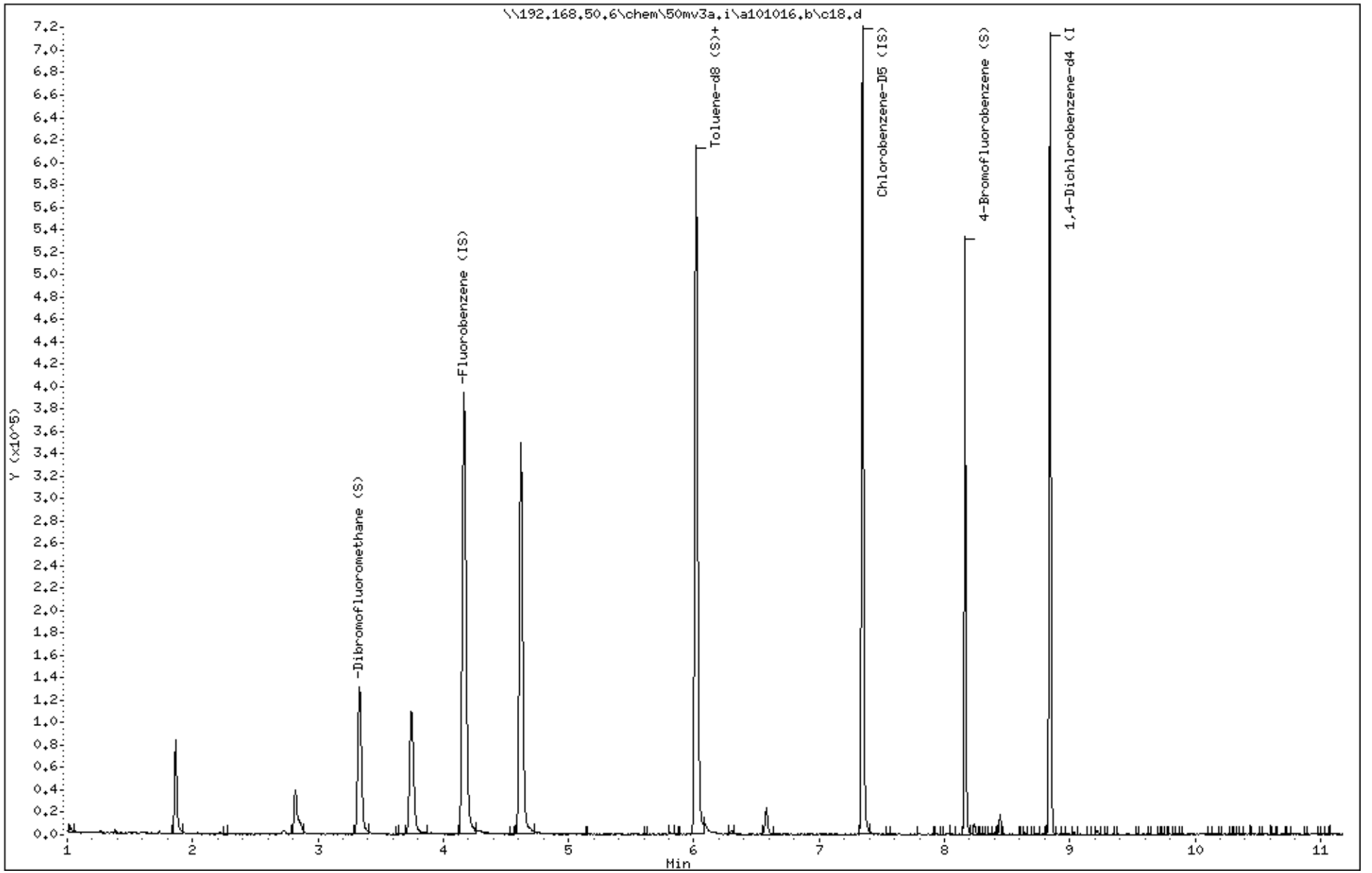
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c18.d
Date : 11-OCT-2016 06:52
Client ID: FD-2(092716)RW
Sample Info: 50155366024x200
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c18.d

Date : 11-OCT-2016 06:52

Client ID: FD-2(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366024x200

Purge Volume: 5.0

Operator: jlz

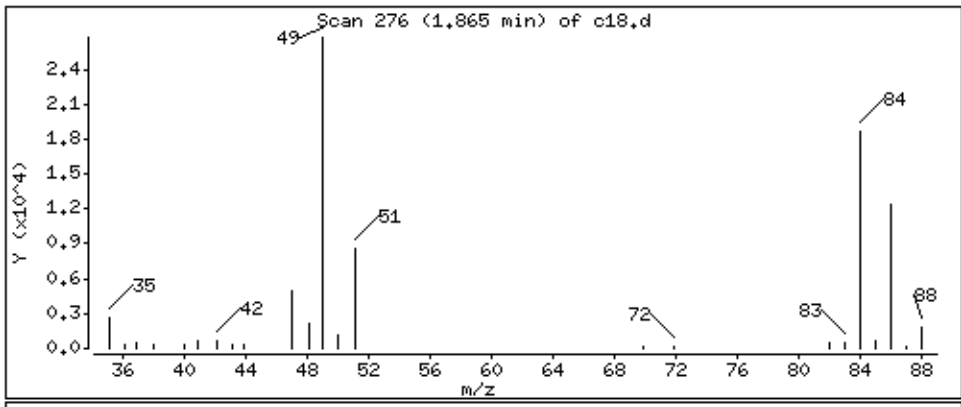
Column phase: DB-624

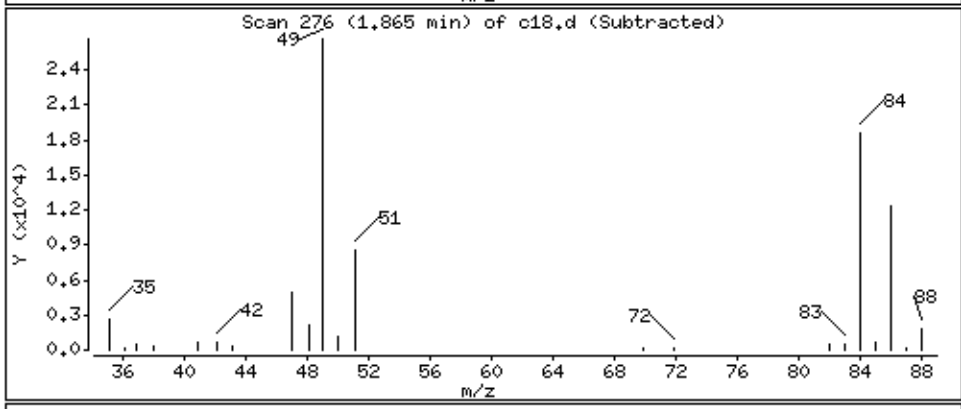
Column diameter: 0.18

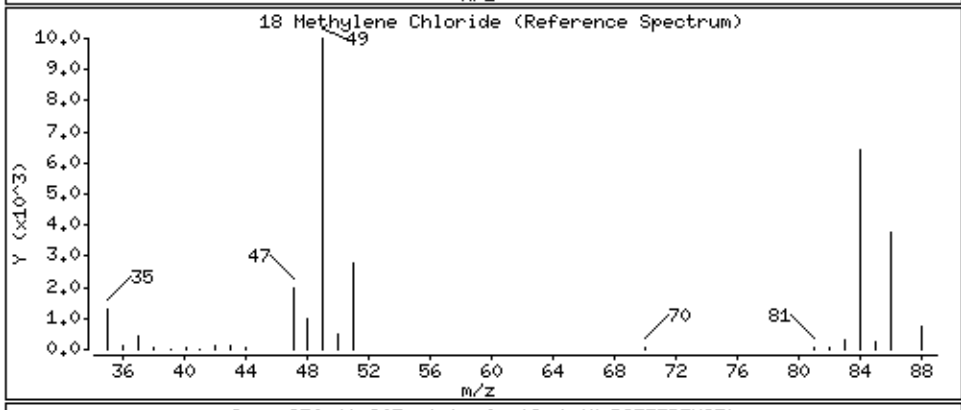
18 Methylene Chloride

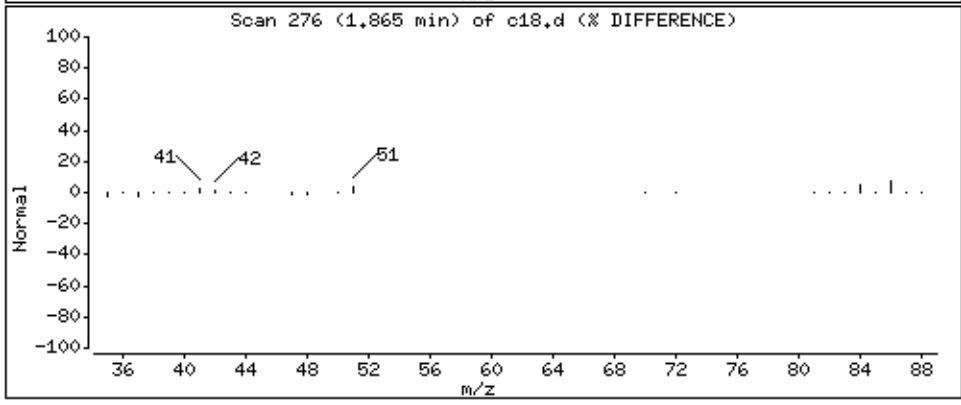
Concentration: 2280 ppb

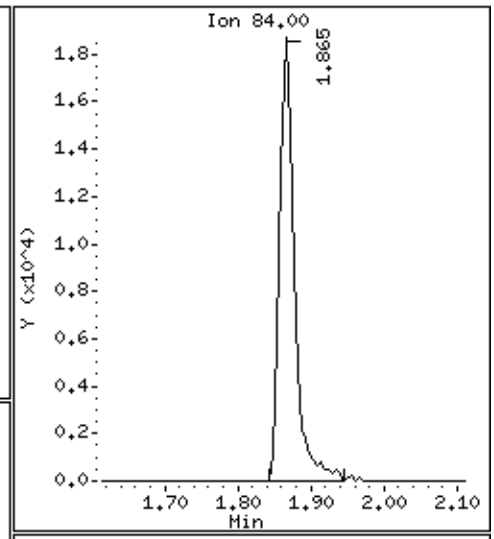
Review Code:

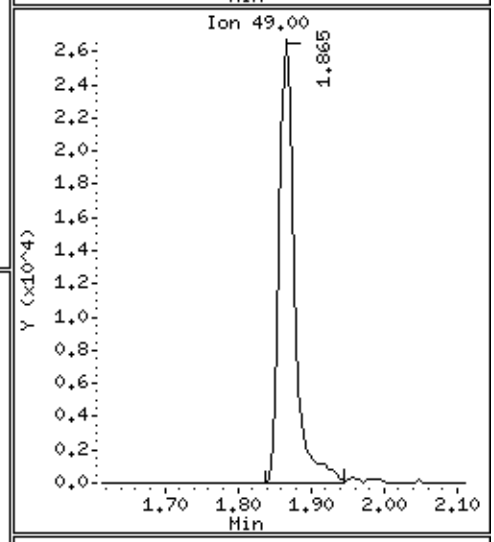


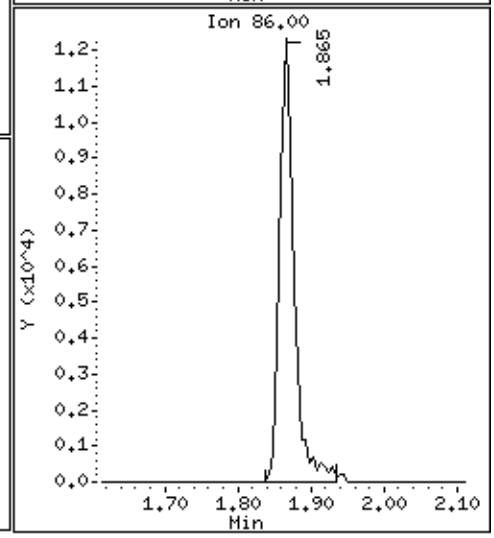












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c18.d

Date : 11-OCT-2016 06:52

Client ID: FD-2(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366024x200

Purge Volume: 5.0

Operator: jlz

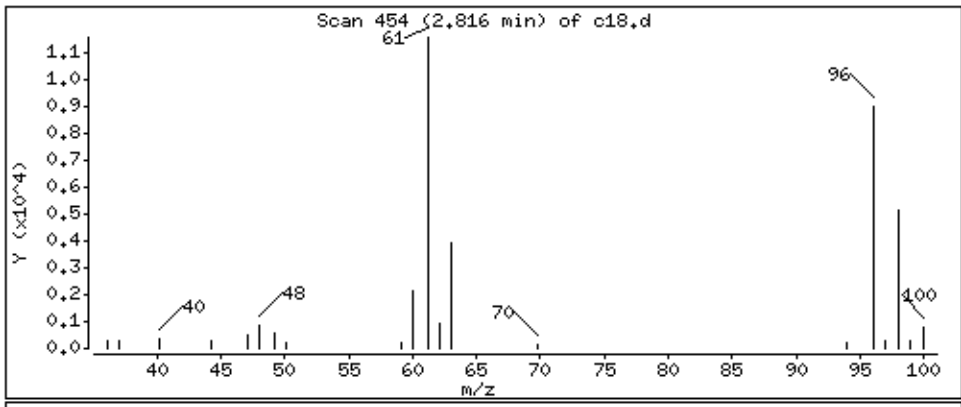
Column phase: DB-624

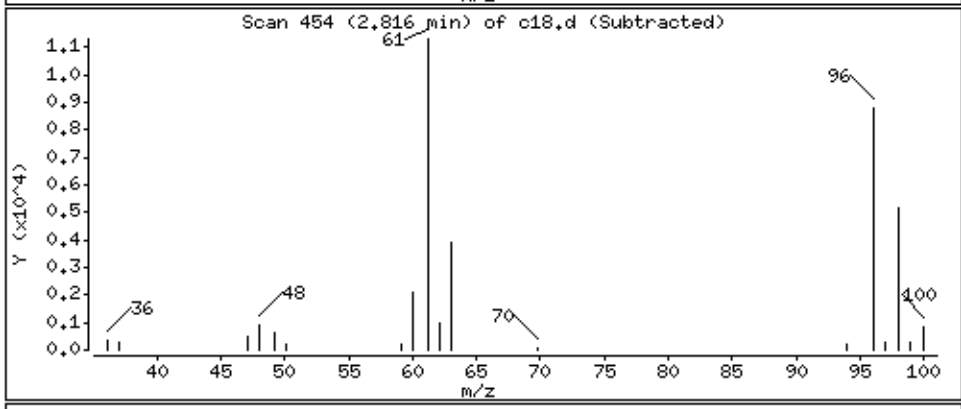
Column diameter: 0.18

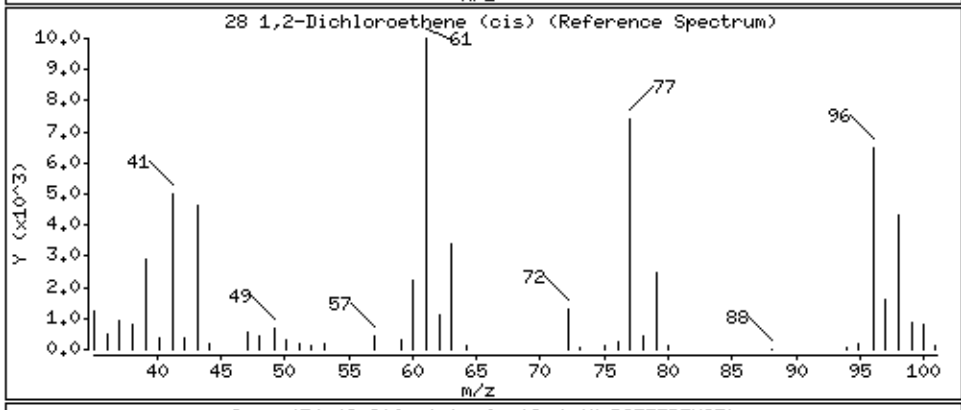
28 1,2-Dichloroethene (cis)

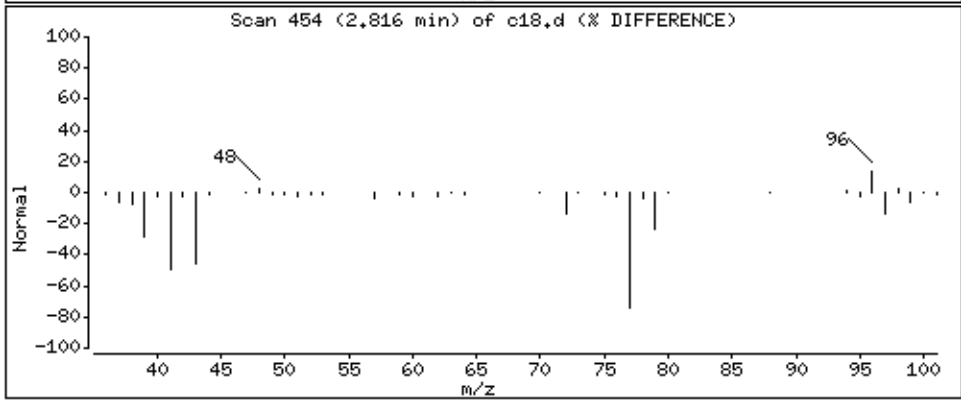
Concentration: 1470 ppb

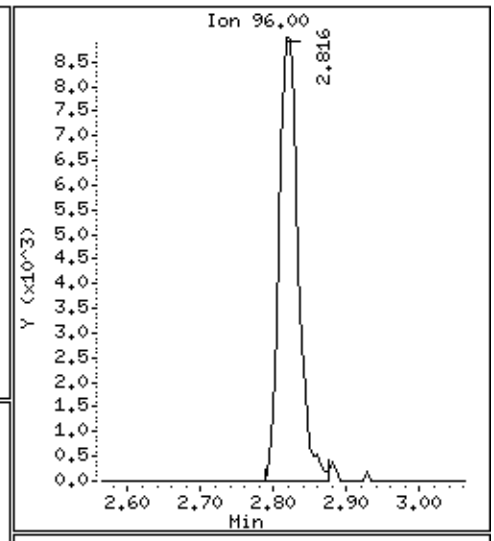
Review Code:

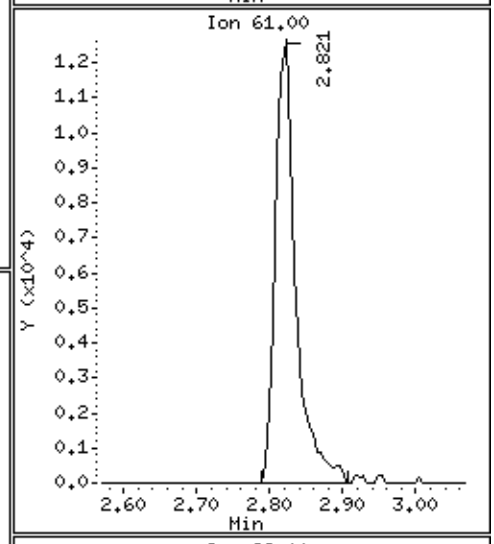


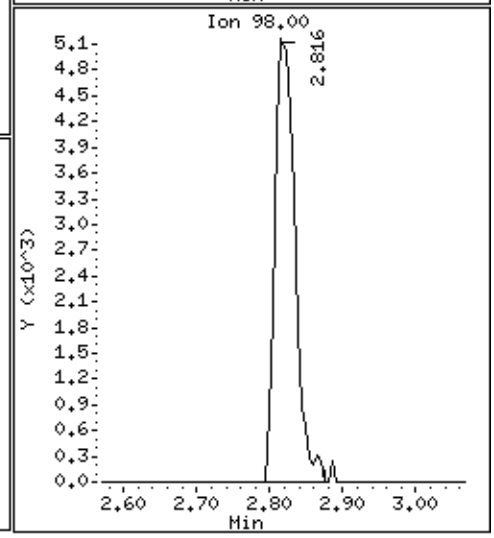












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c18.d

Date : 11-OCT-2016 06:52

Client ID: FD-2(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366024x200

Purge Volume: 5.0

Operator: jlz

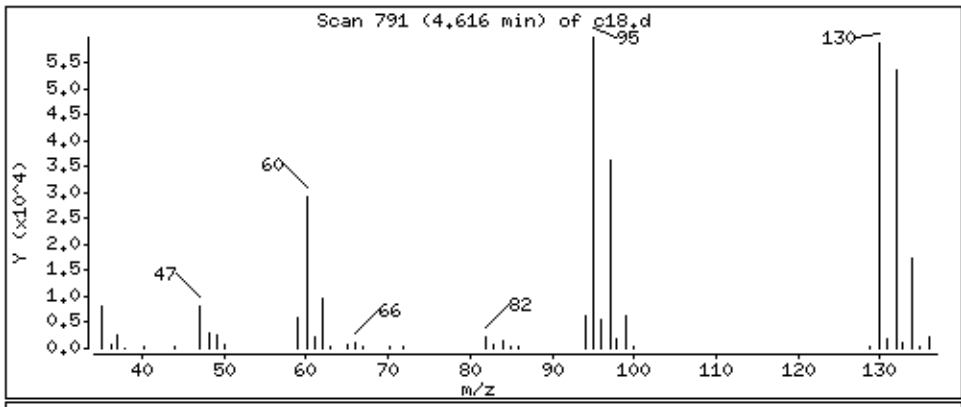
Column phase: DB-624

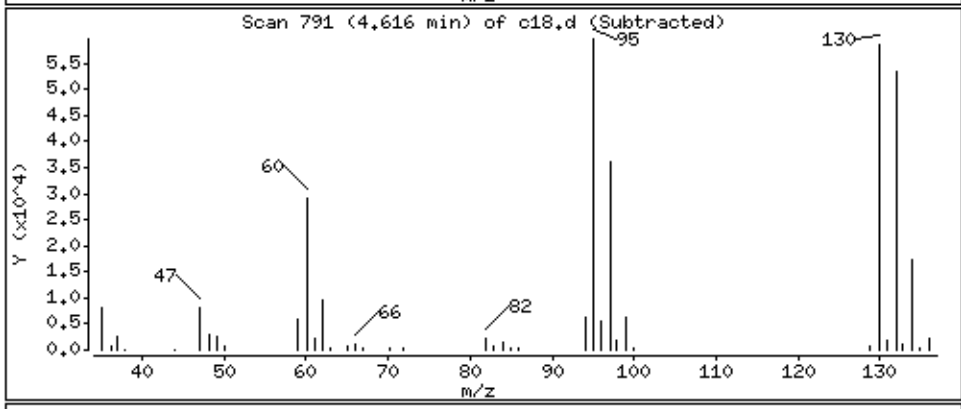
Column diameter: 0.18

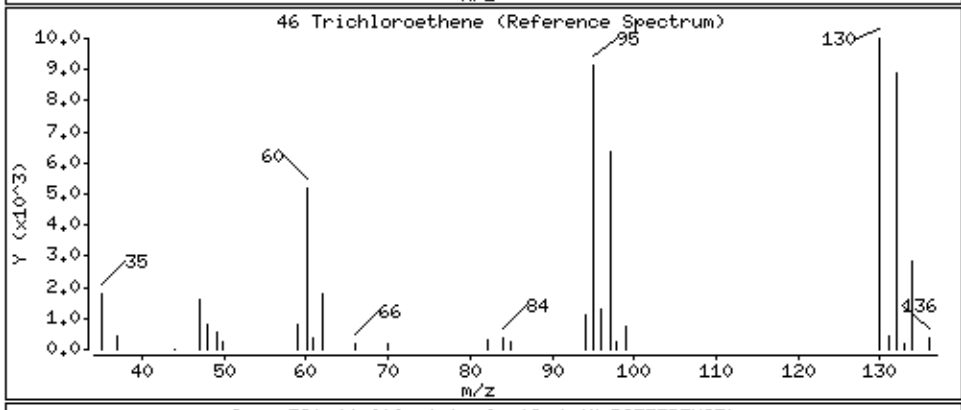
46 Trichloroethene

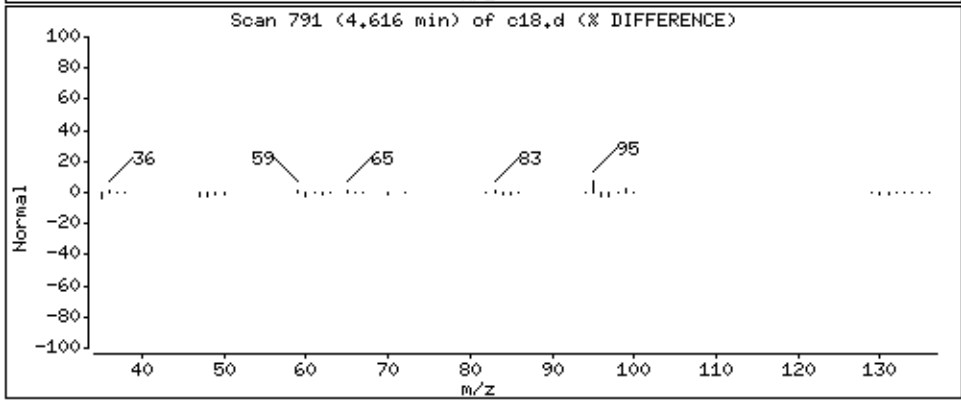
Concentration: 11500 ppb

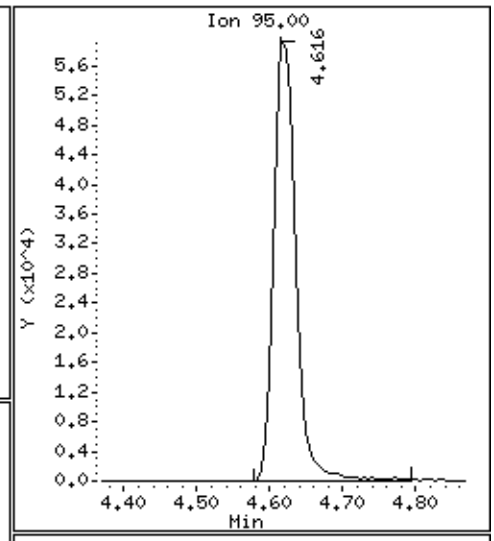
Review Code:

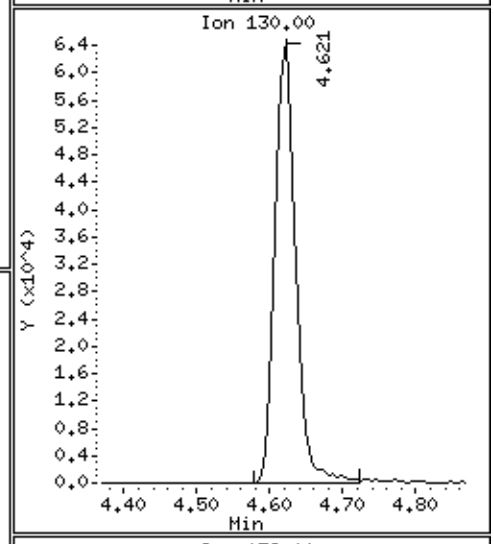


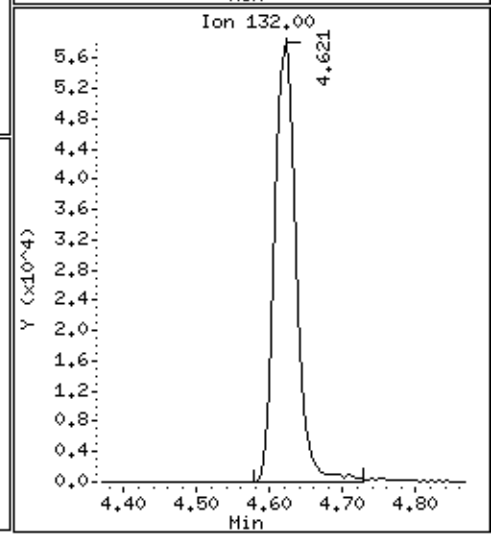












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c18.d

Date : 11-OCT-2016 06:52

Client ID: FD-2(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366024x200

Purge Volume: 5.0

Operator: jlz

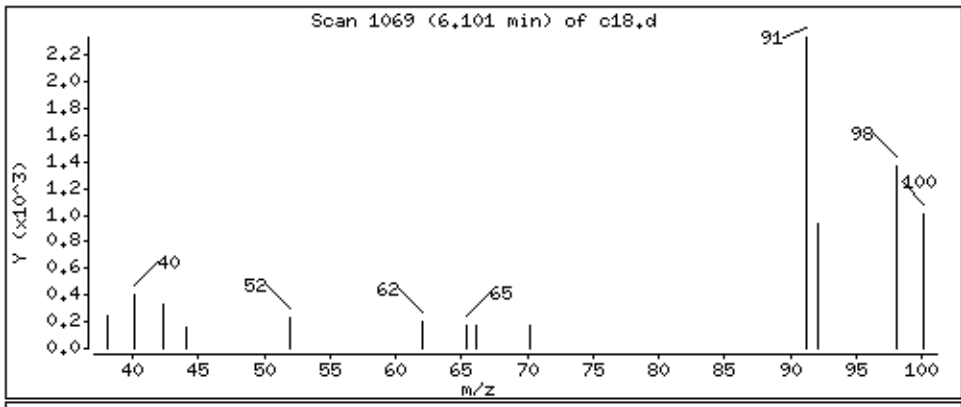
Column phase: DB-624

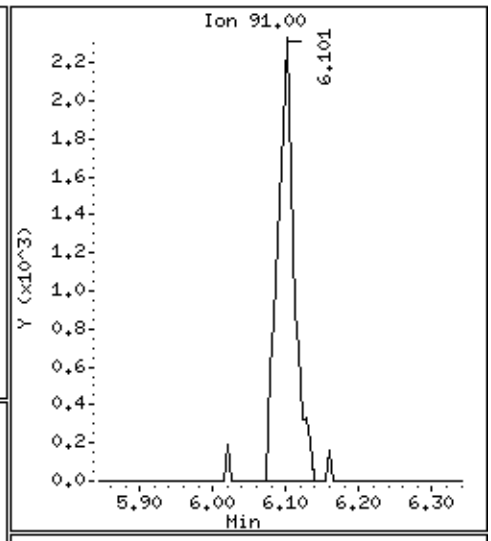
Column diameter: 0.18

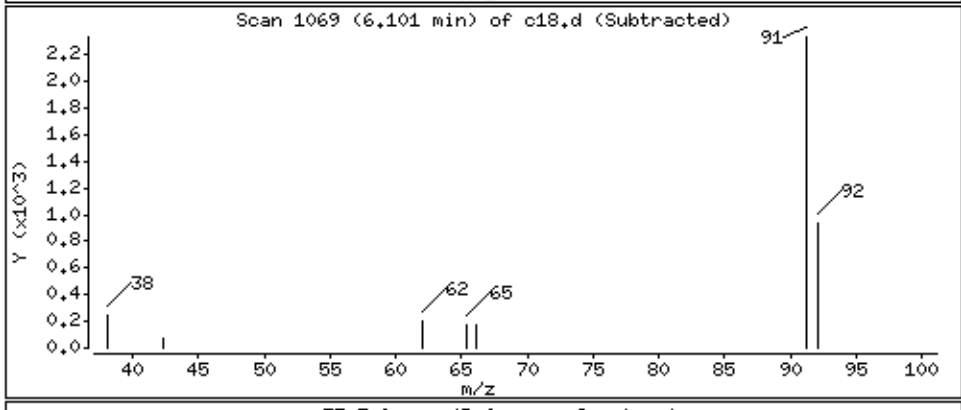
57 Toluene

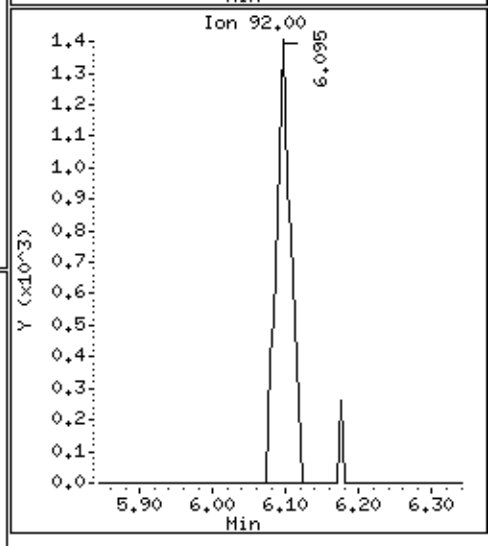
Concentration: 74.9 ppb

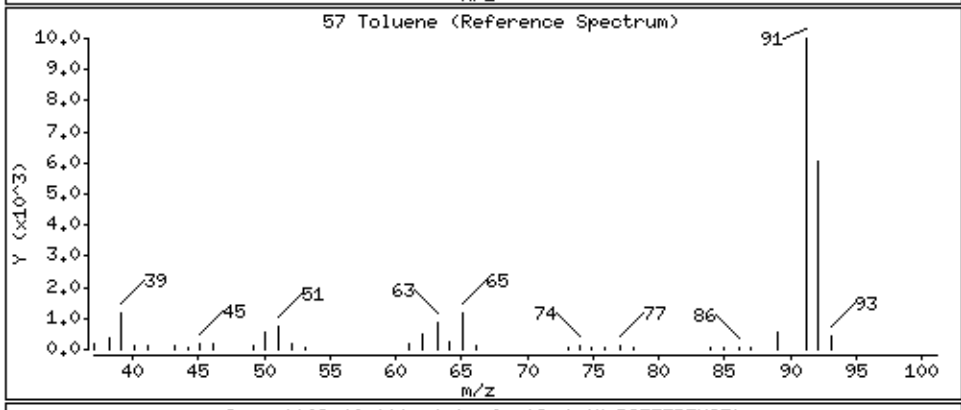
Review Code:

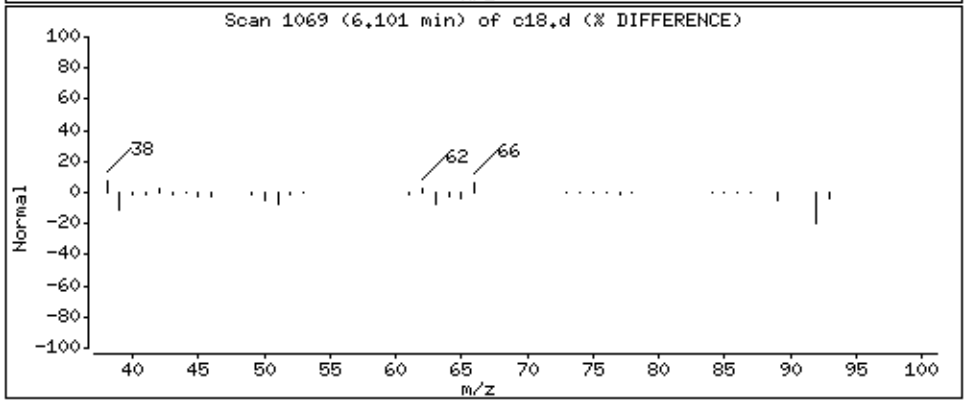












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c18.d
Injection Date: 11-OCT-2016 06:52
Instrument: 50mv3a.i
Lab Sample ID: 50155366024
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

FD-2(092716)RW

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:53 Lab Sample ID: 50155366024

Date Analyzed: 10/07/2016 06:53 Lab File ID: B100616.B\D12.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	6.2	
156-60-5	trans-1,2-Dichloroethene	22.7	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	6.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U

SAMPLE NO.

FD-2(092716)RW

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:53 Lab Sample ID: 50155366024

Date Analyzed: 10/07/2016 06:53 Lab File ID: B100616.B\D12.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d
Lab Smp Id: 50155366024 Client Smp ID: FD-2(092716)RW
Inj Date : 07-OCT-2016 06:53
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366024
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 72
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.045	1.044	(0.250)	4836	1.61597	1.62	
	11 1,1-Dichloroethene	96	1.601	1.600	(0.383)	11048	6.18720	6.19	
	12 Acetone	43	1.611	1.610	(0.386)	22859	62.2530	62.2	
	18 Methylene Chloride	84	1.873	1.872	(0.449)	16400	6.04366	6.04	
	22 1,2-Dichloroethene (trans)	96	2.049	2.048	(0.491)	46402	22.7321	22.7	
	25 1,1-Dichloroethane	63	2.348	2.347	(0.563)	12840	3.36294	3.36	
	28 1,2-Dichloroethene (cis)	96	2.824	2.823	(0.676)	3149100	1456.74	1460(Q)	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	88459	48.3732	48.4	
	36 1,1,1-Trichloroethane	97	3.331	3.341	(0.798)	1688	0.51801	0.518(Q)	
	37 Cyclohexane	56	3.427	3.426	(0.821)	3163	0.78578	0.786(Q)	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	397186	50.0000		
	45 Trichloroethene	95	4.656	4.623	(1.115)	20931426	10491.4	10500	
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	394062	47.2587	47.2	
	56 Toluene	91	6.098	6.097	(0.831)	5037	0.48600	0.486	
*	65 Chlorobenzene-D5 (IS)	117	7.342	7.347	(1.000)	282258	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.112)	134493	51.2405	51.2	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.842	(1.000)	137120	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

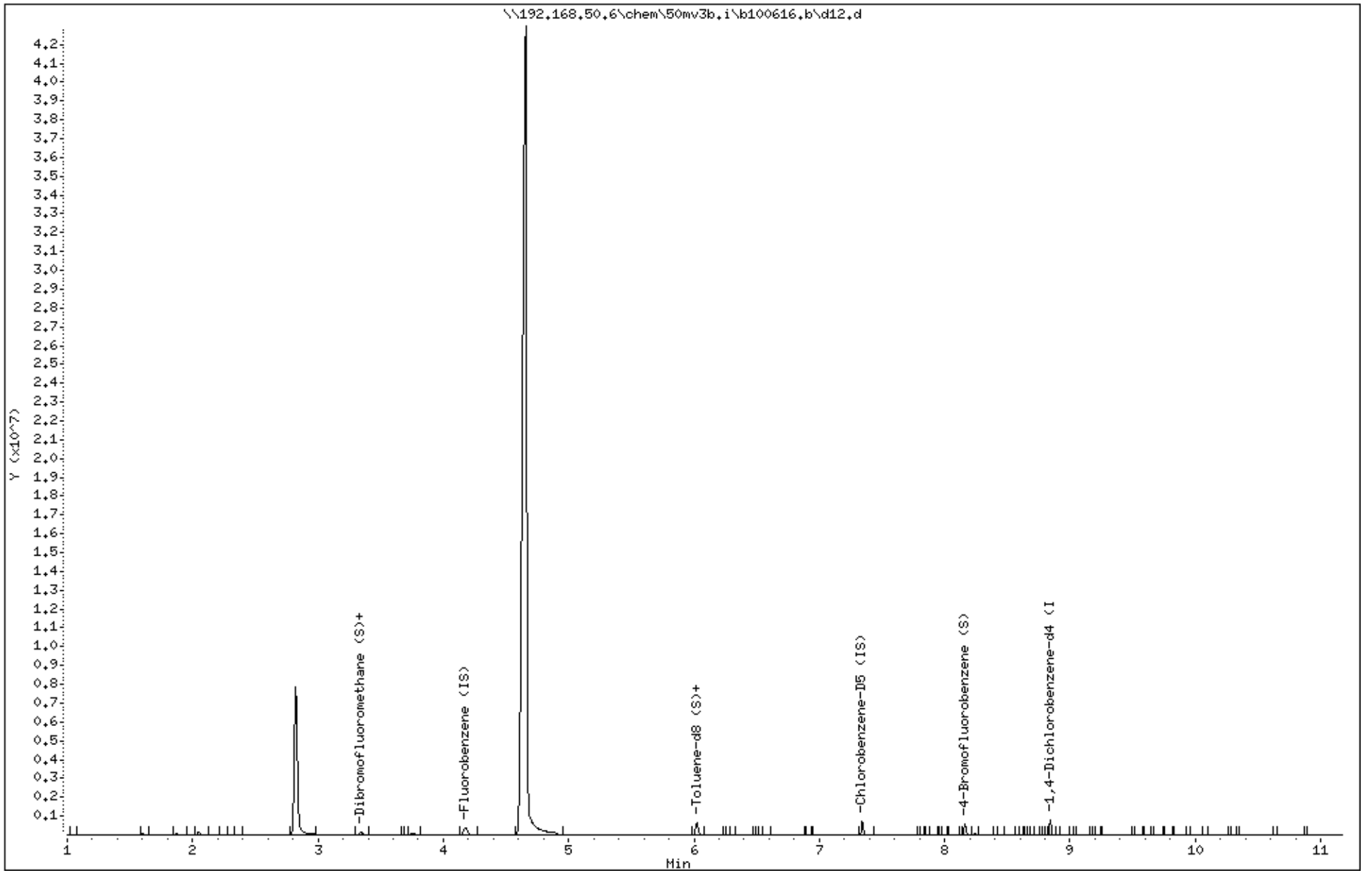
QC Flag Legend

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d
Date : 07-OCT-2016 06:53
Client ID: FD-2(092716)RW
Sample Info: 50155366024
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

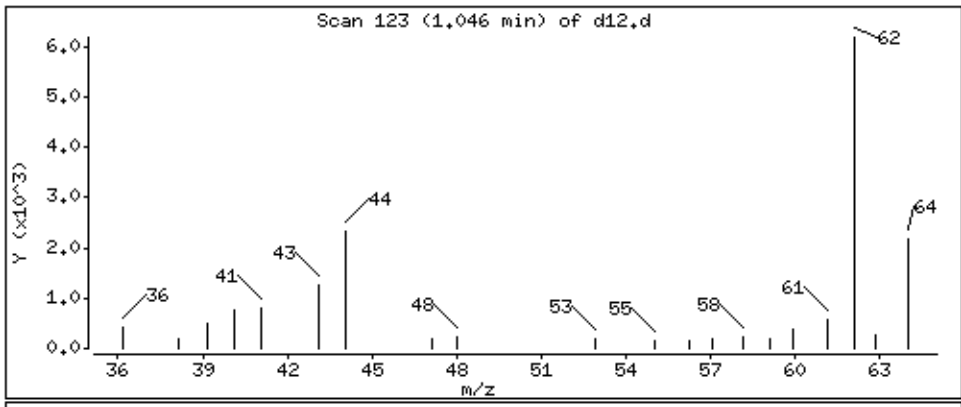
Column phase: DB-624

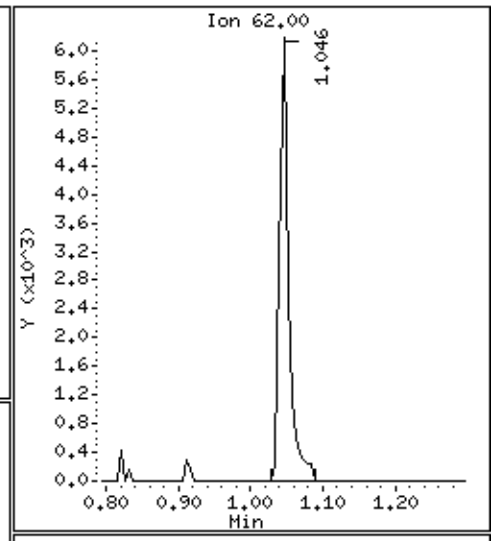
Column diameter: 0.18

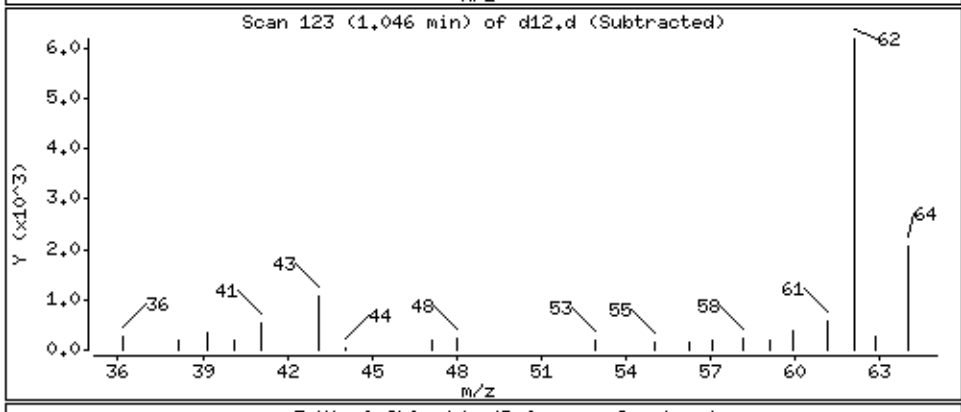
3 Vinyl Chloride

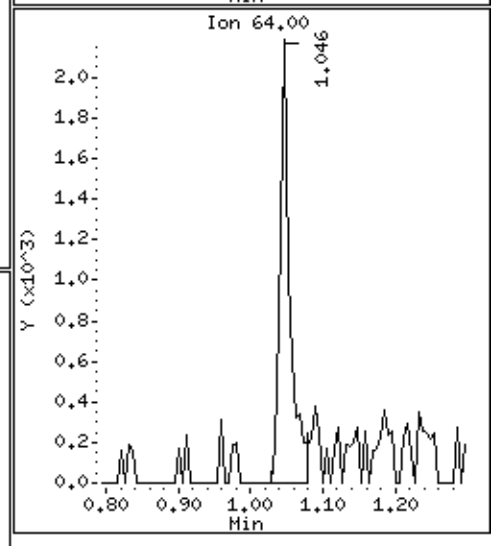
Concentration: 1.62 ppb

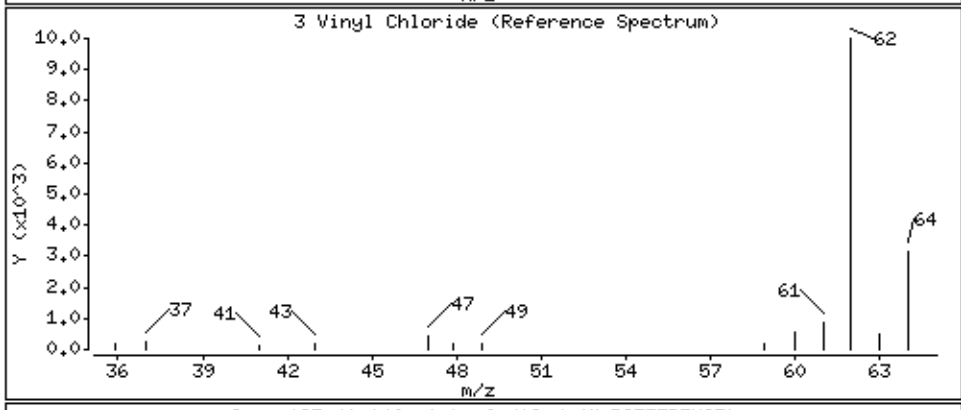
Review Code:

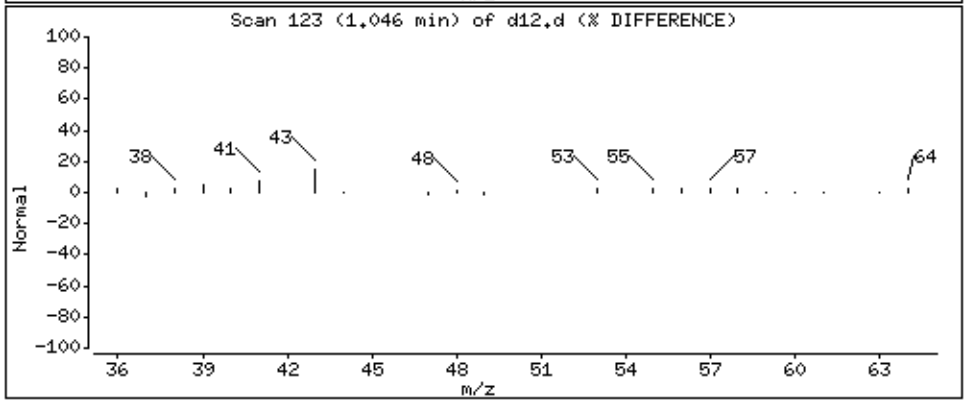












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

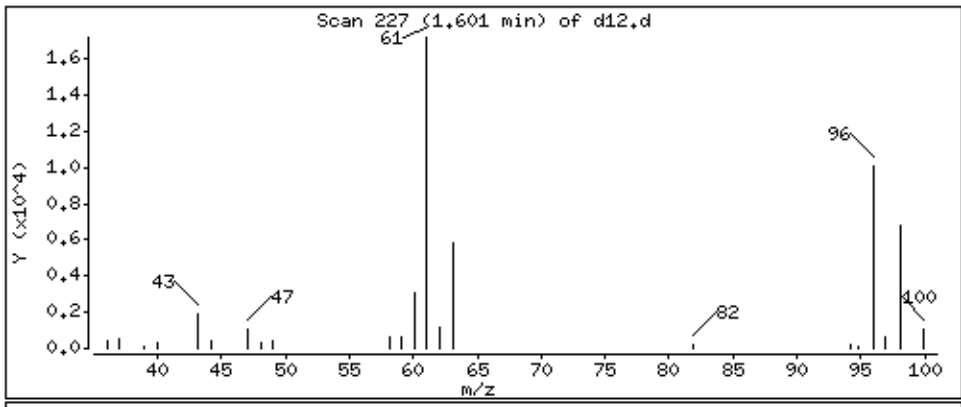
Column phase: DB-624

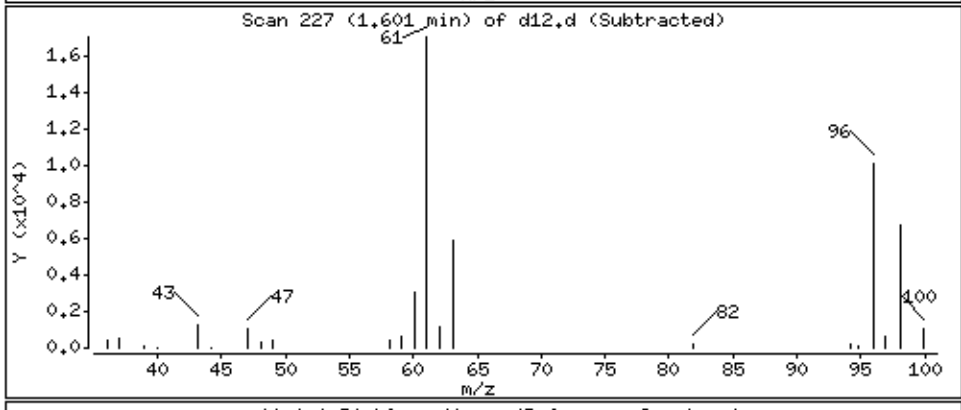
Column diameter: 0.18

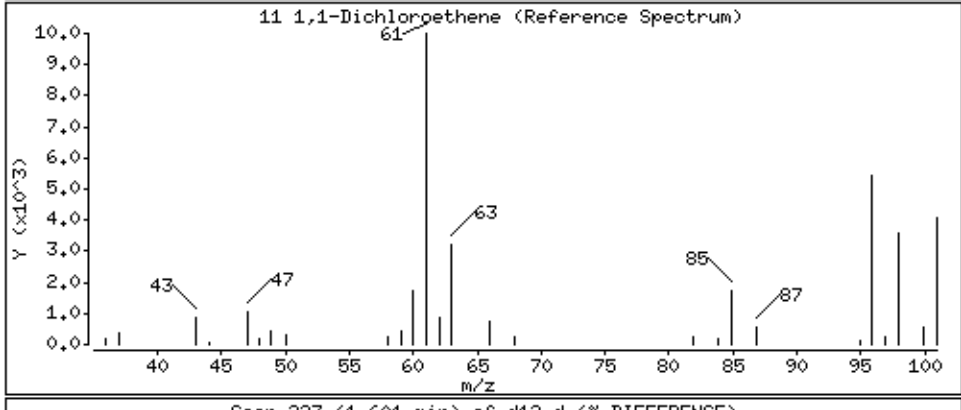
11 1,1-Dichloroethene

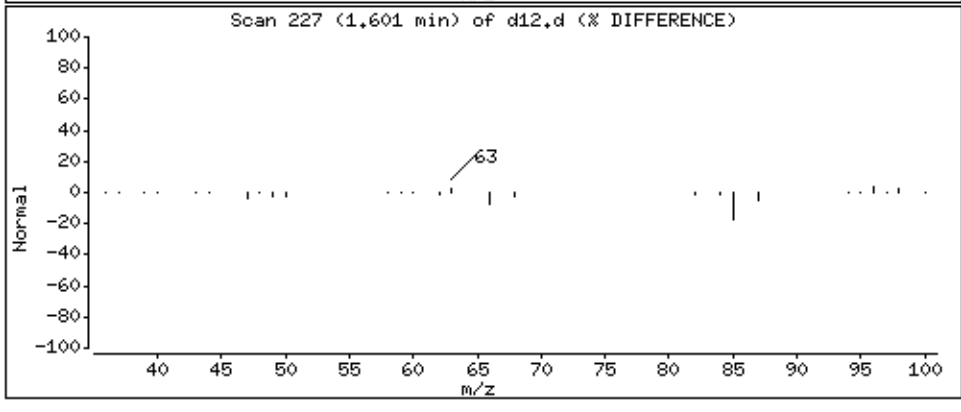
Concentration: 6.19 ppb

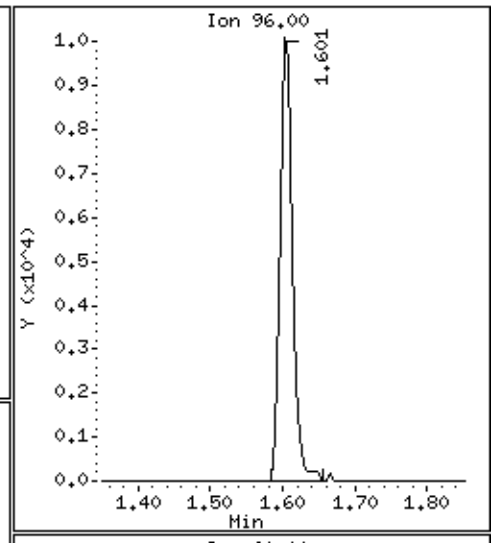
Review Code:

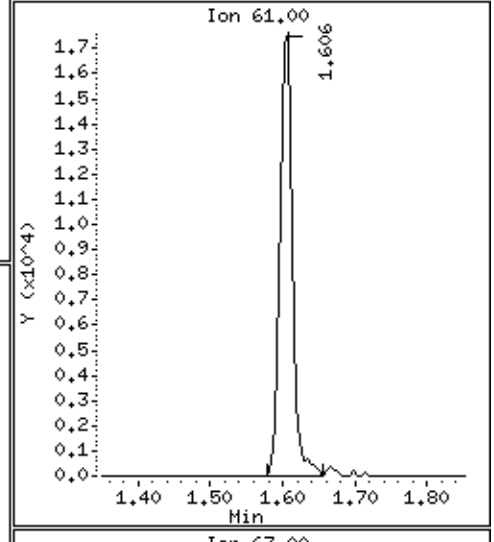


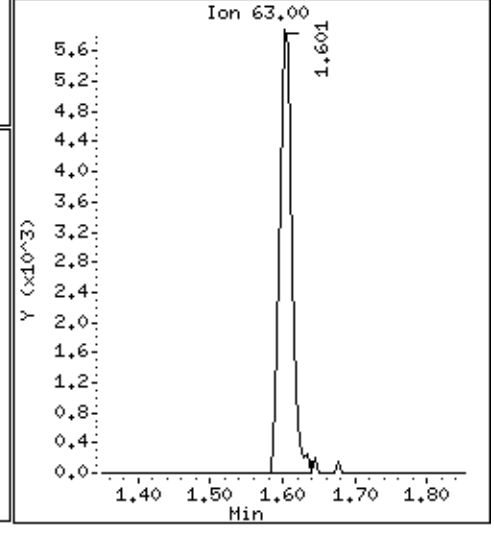












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

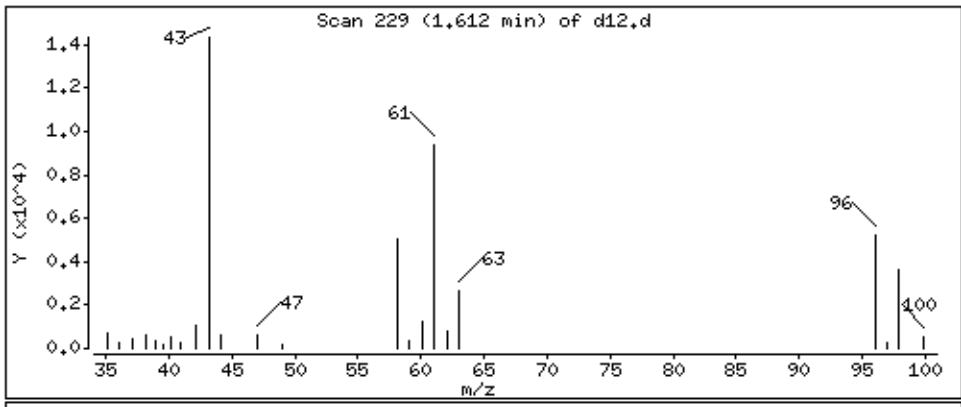
Column phase: DB-624

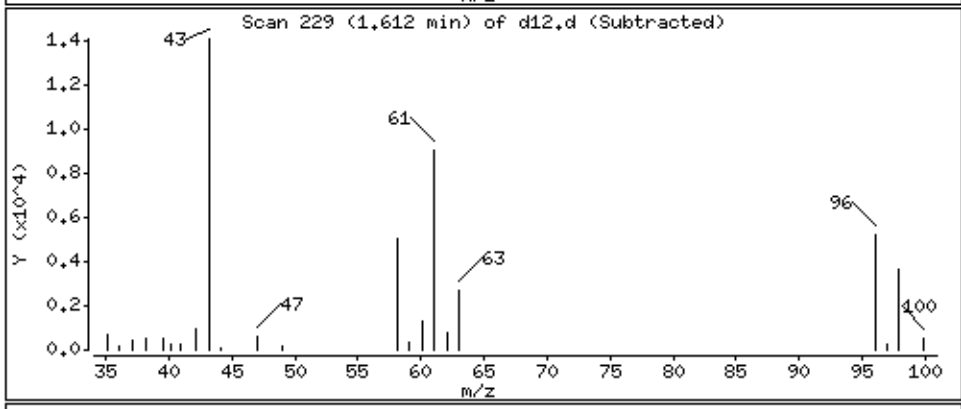
Column diameter: 0.18

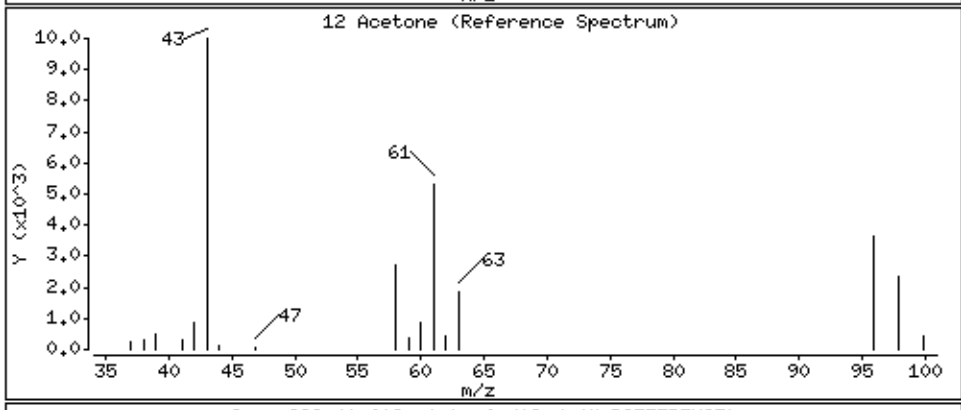
12 Acetone

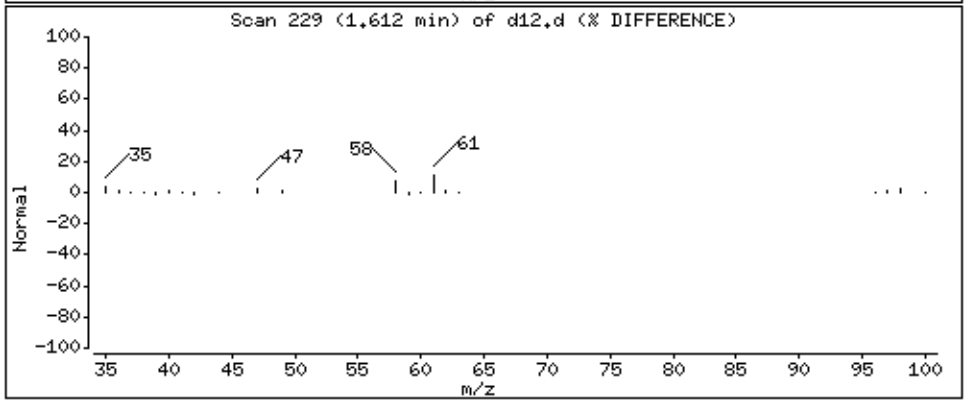
Concentration: 62.2 ppb

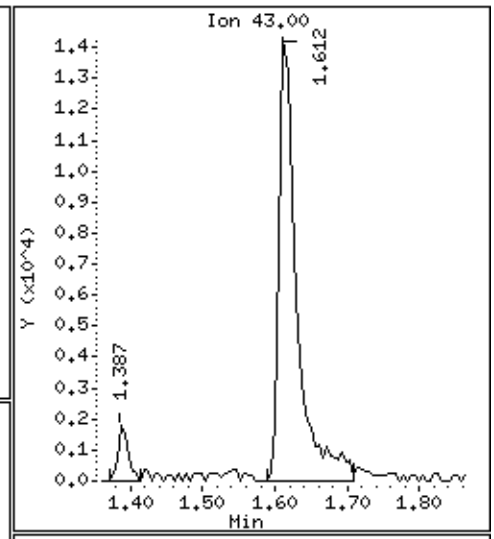
Review Code:

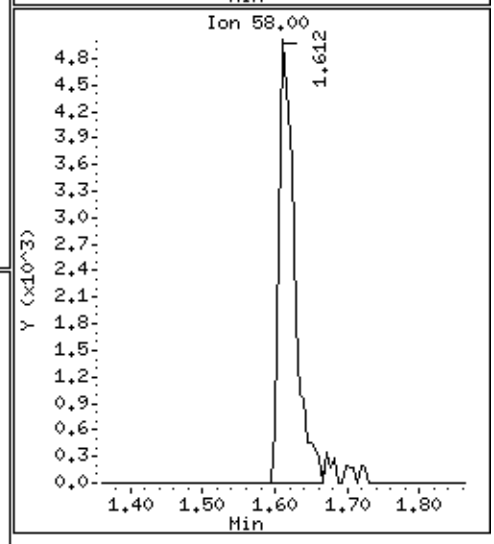












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

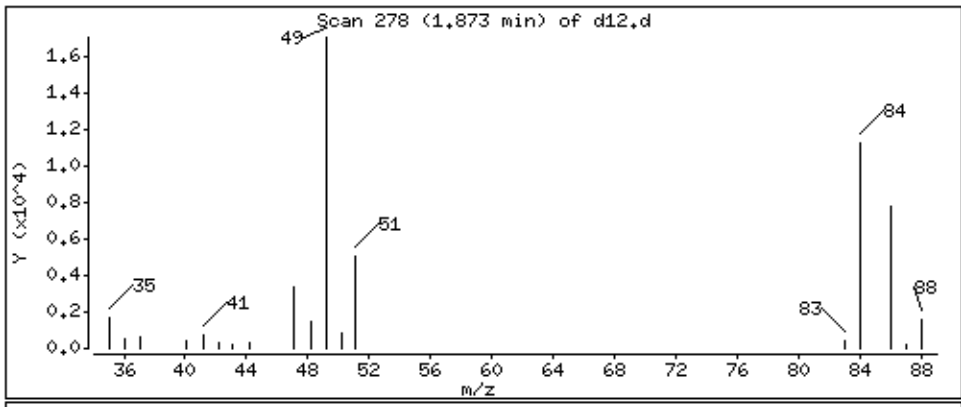
Column phase: DB-624

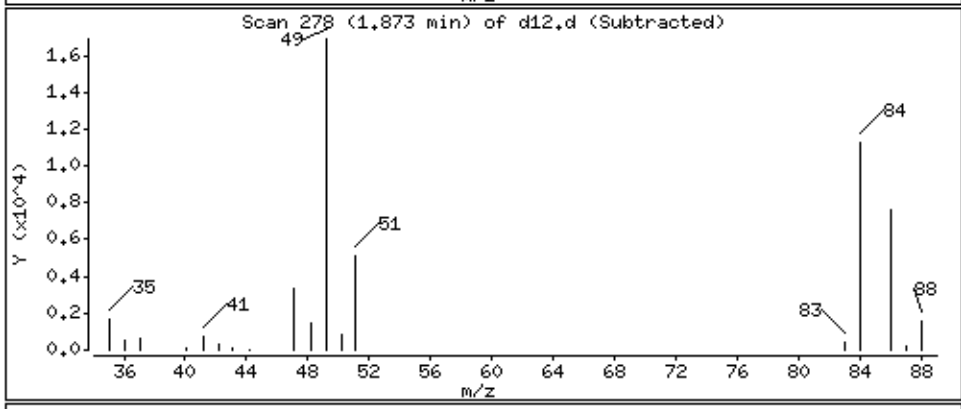
Column diameter: 0.18

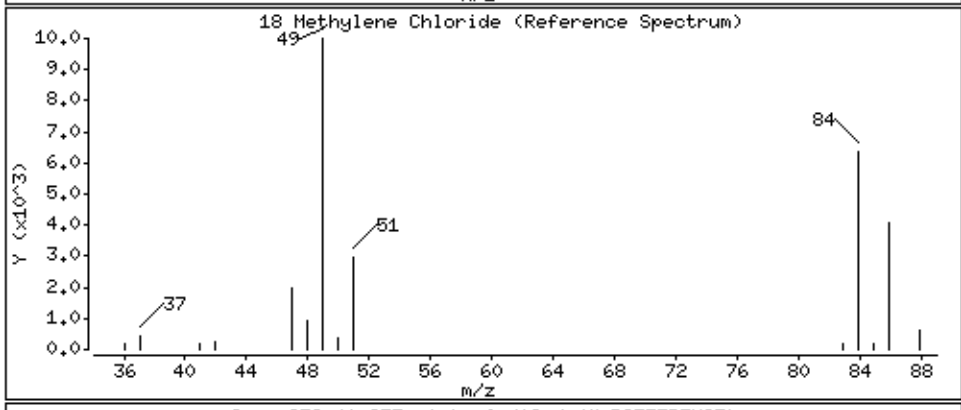
18 Methylene Chloride

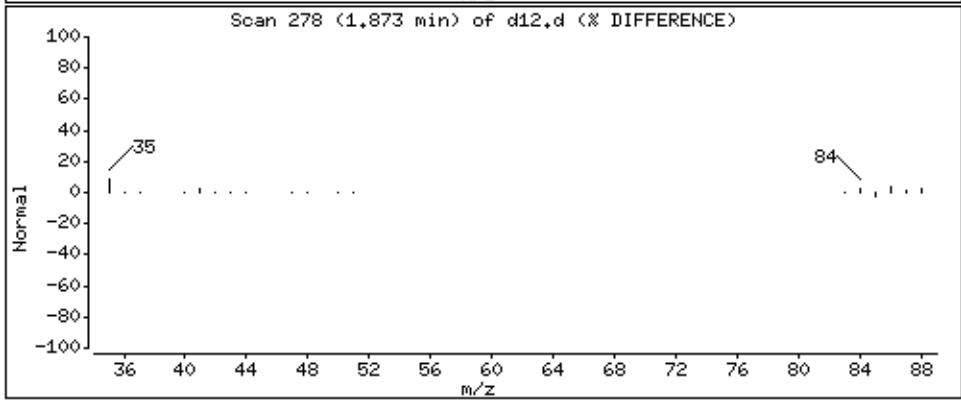
Concentration: 6.04 ppb

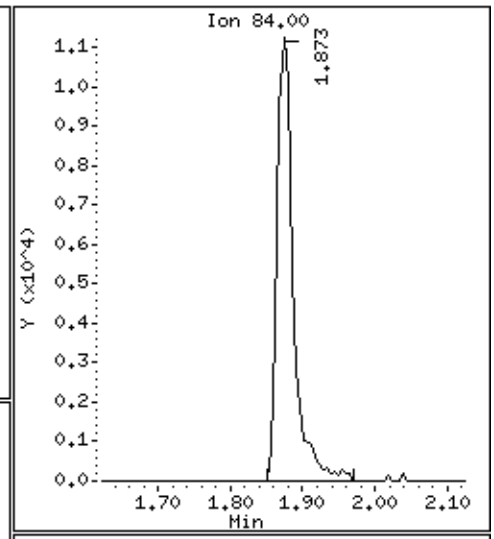
Review Code:

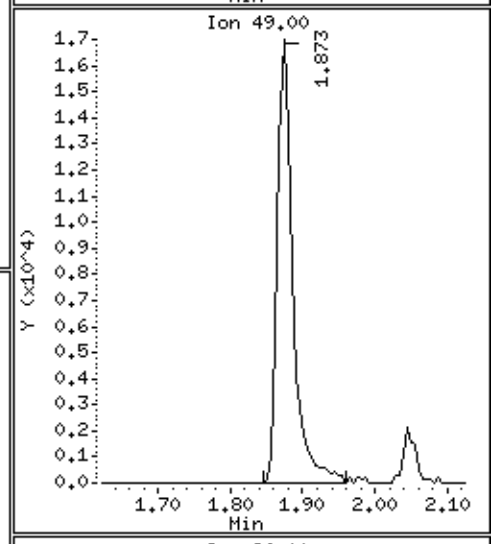


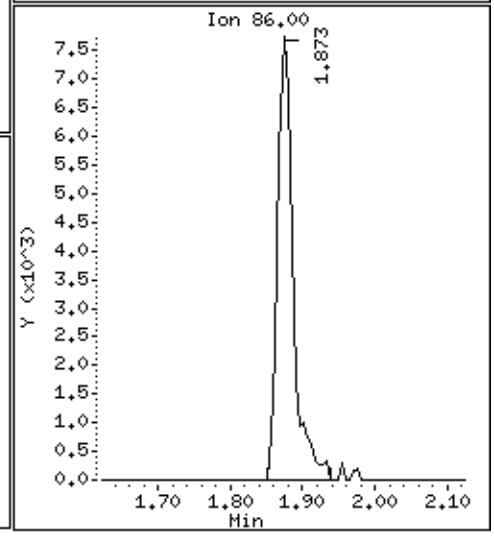












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

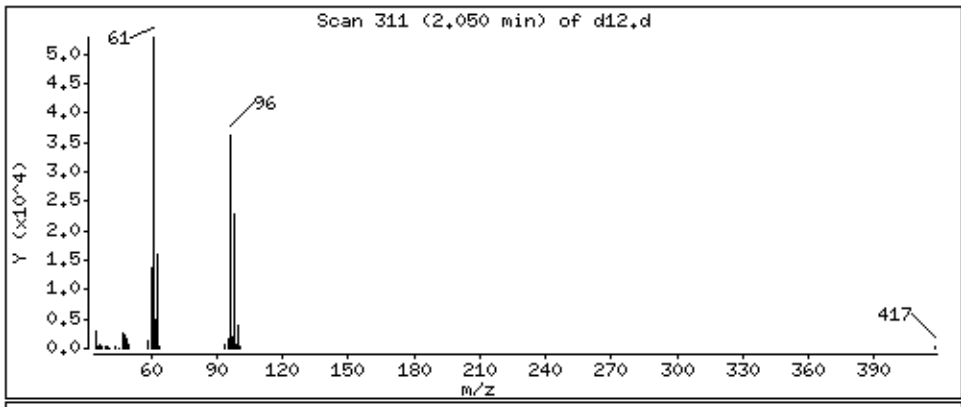
Column phase: DB-624

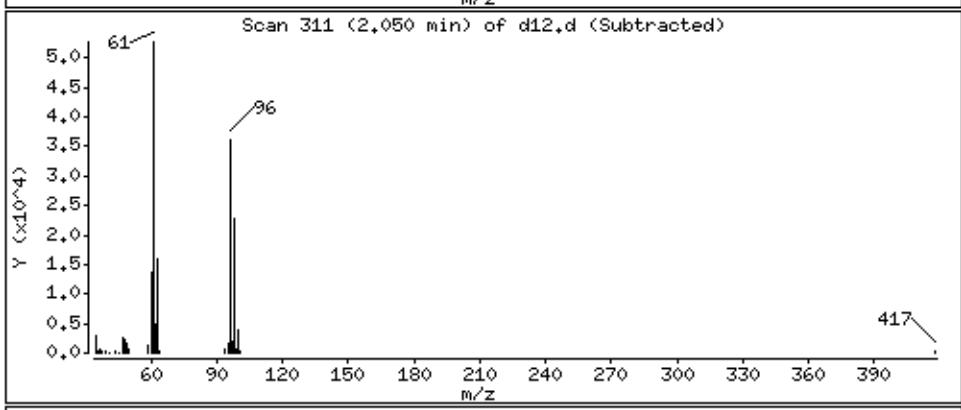
Column diameter: 0.18

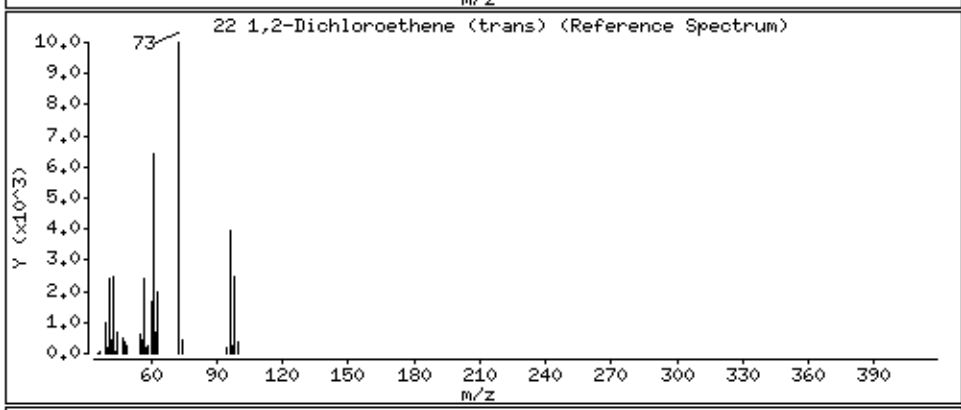
22 1,2-Dichloroethene (trans)

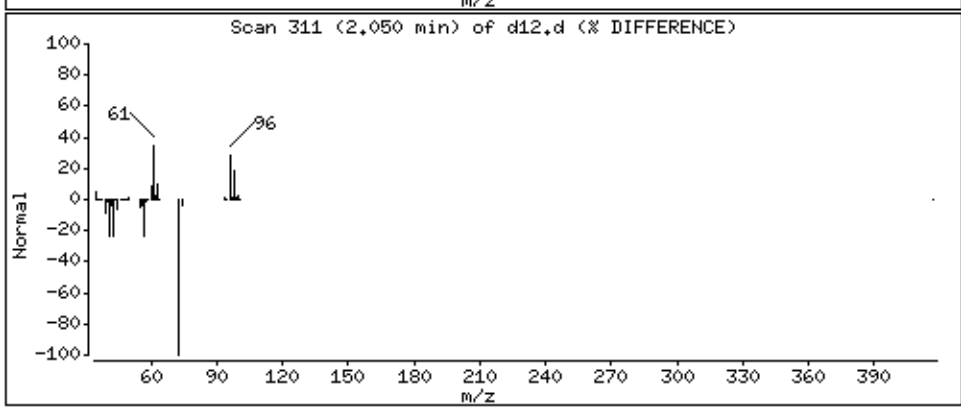
Concentration: 22.7 ppb

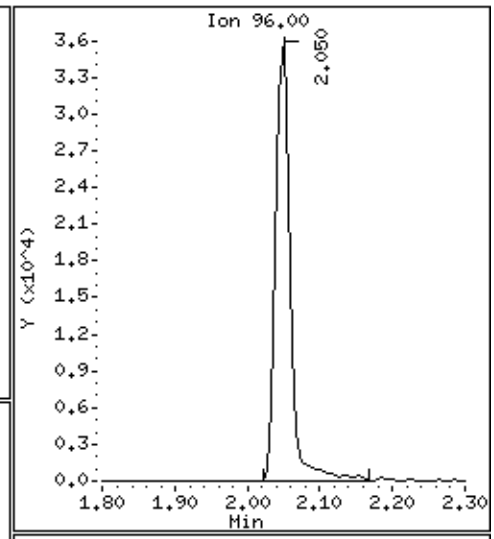
Review Code:

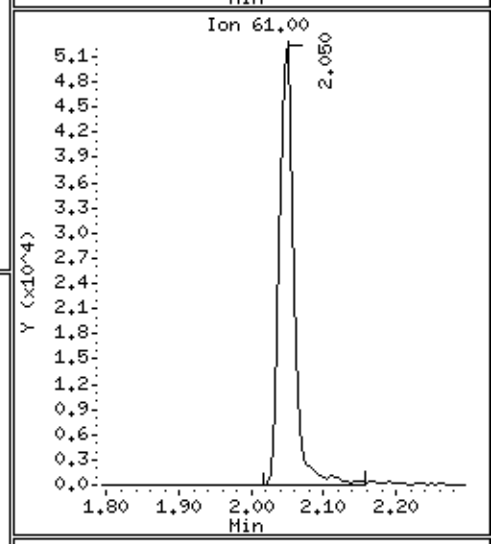


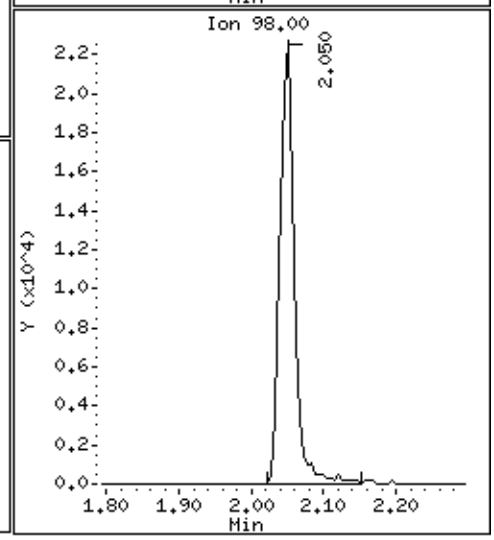












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

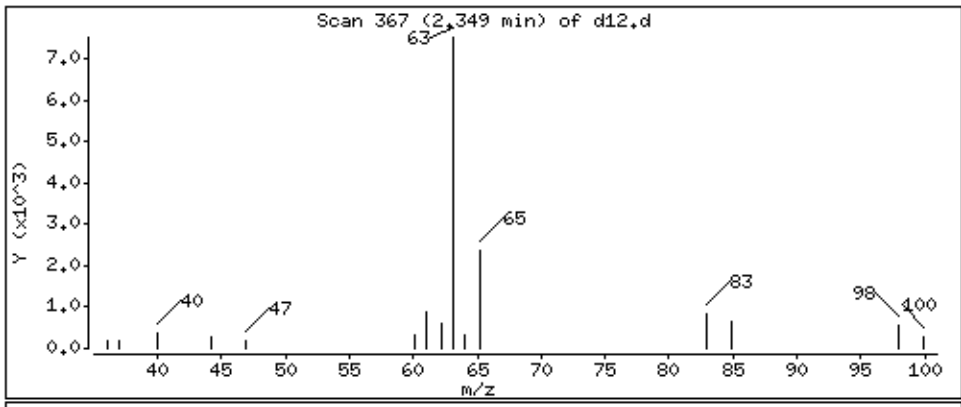
Column phase: DB-624

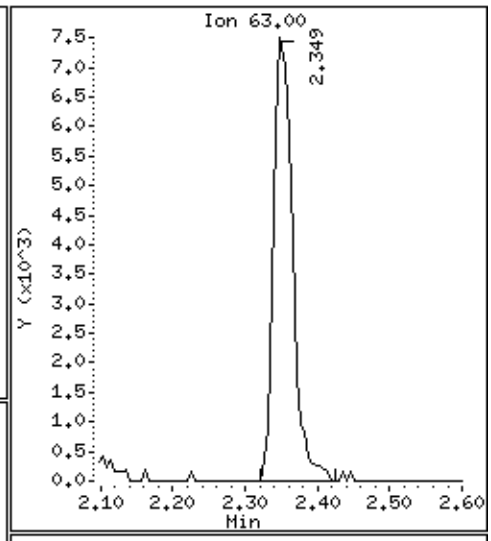
Column diameter: 0.18

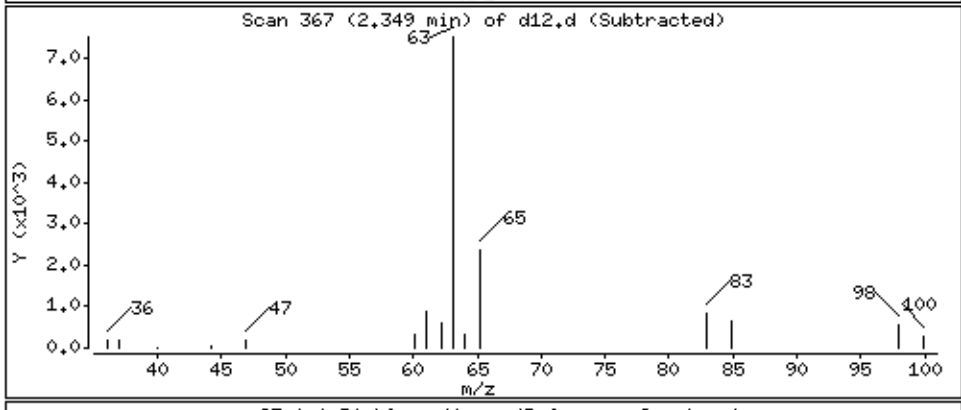
25 1,1-Dichloroethane

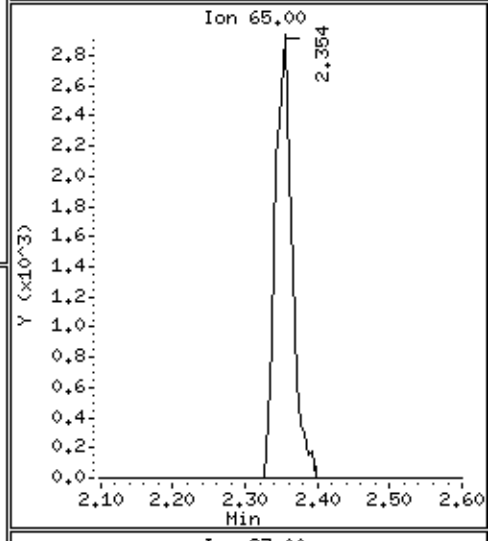
Concentration: 3.36 ppb

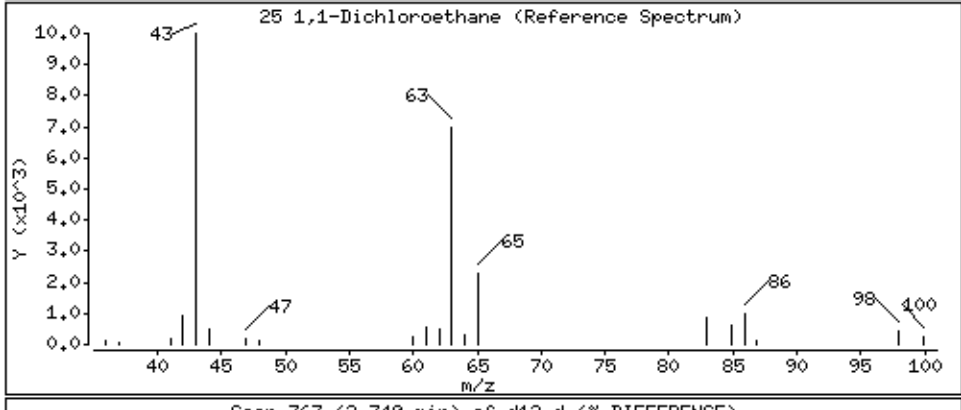
Review Code:

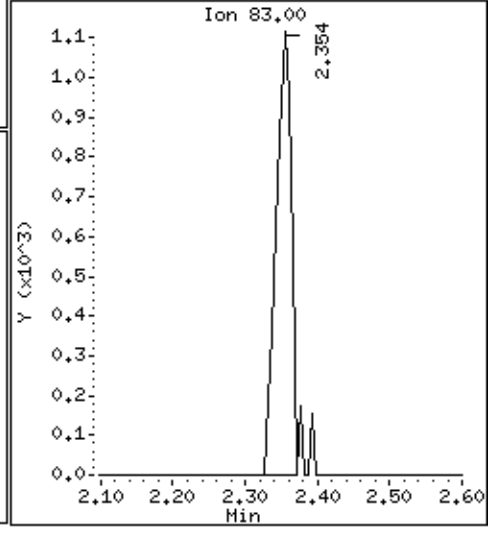


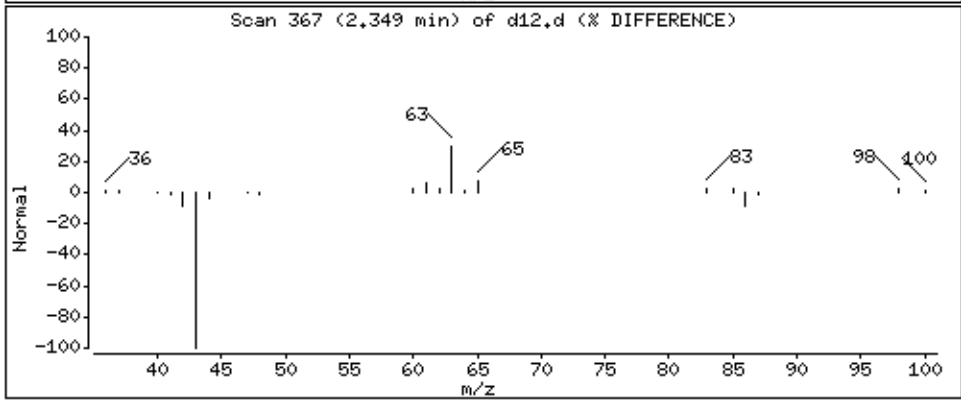












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

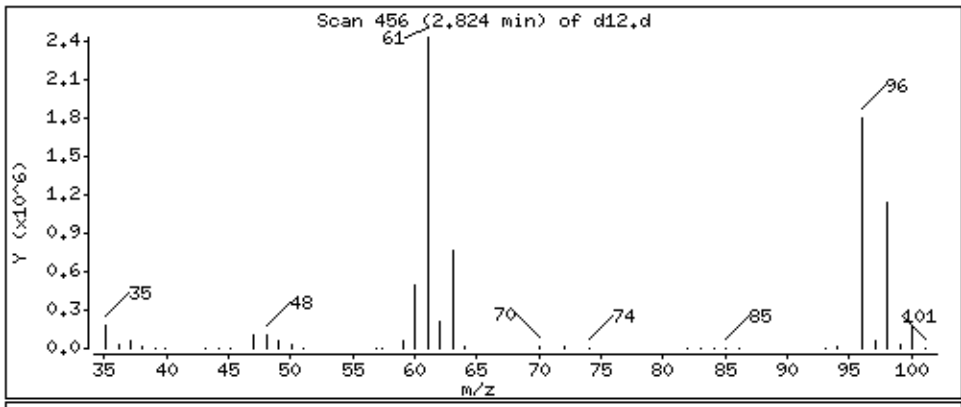
Column phase: DB-624

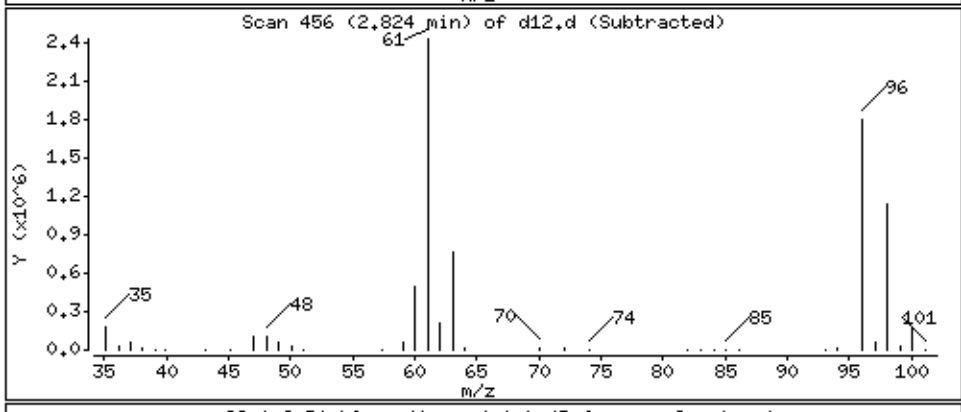
Column diameter: 0.18

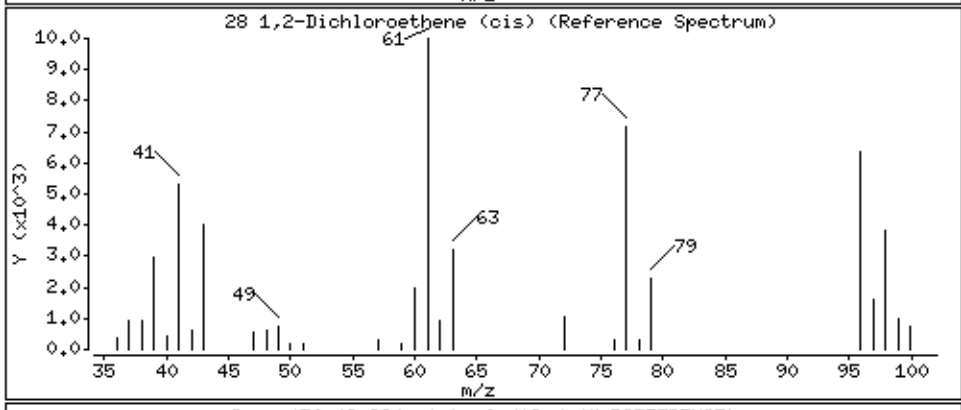
28 1,2-Dichloroethene (cis)

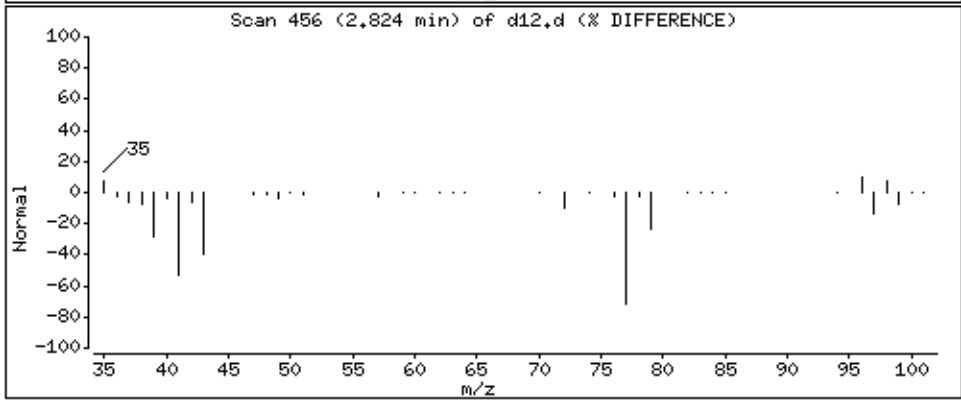
Concentration: 1460 ppb

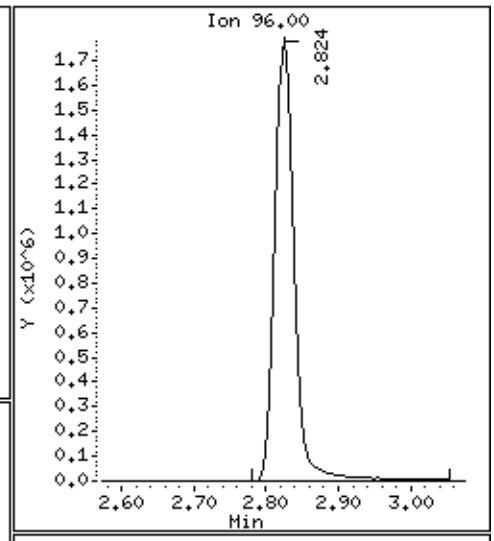
Review Code:

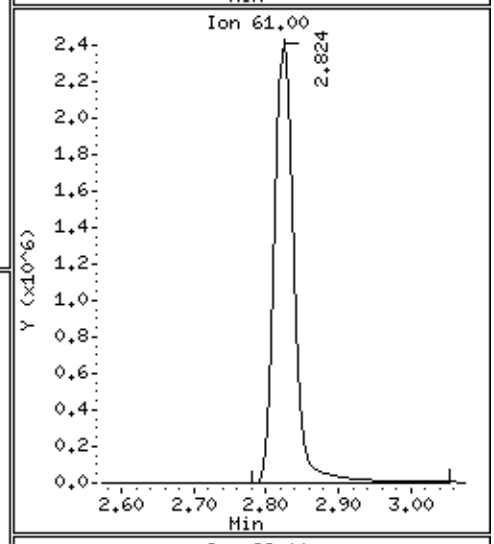


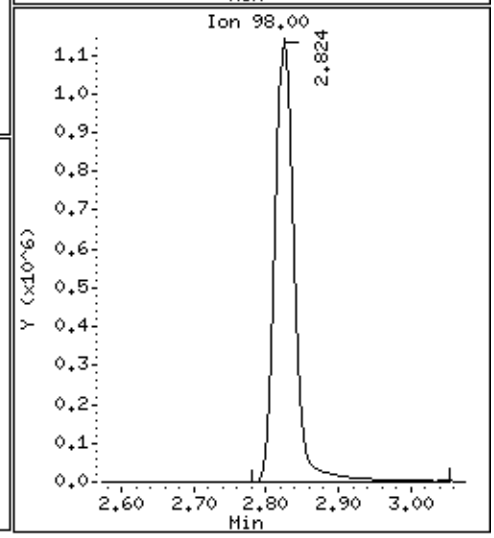












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

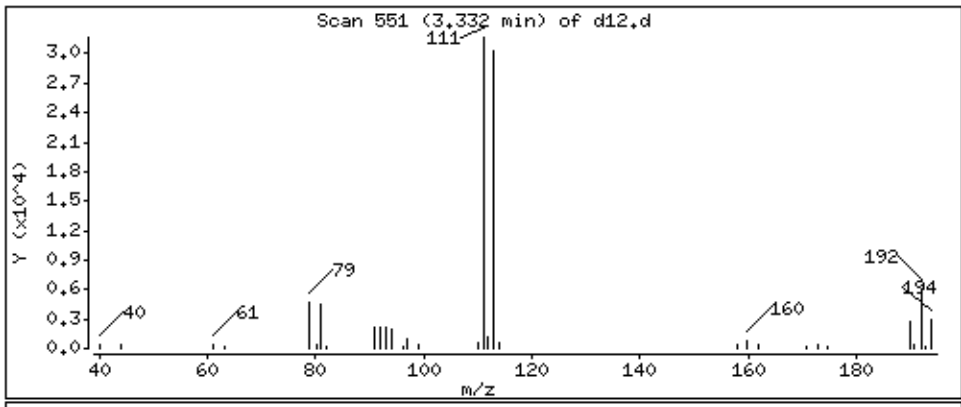
Column phase: DB-624

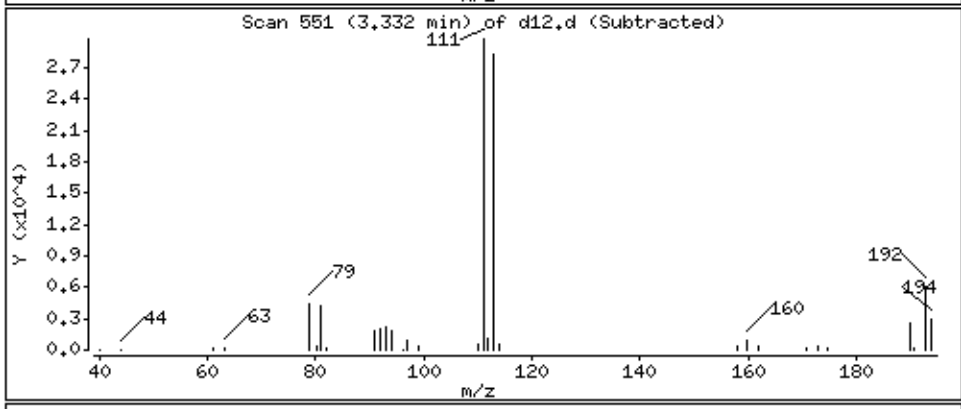
Column diameter: 0.18

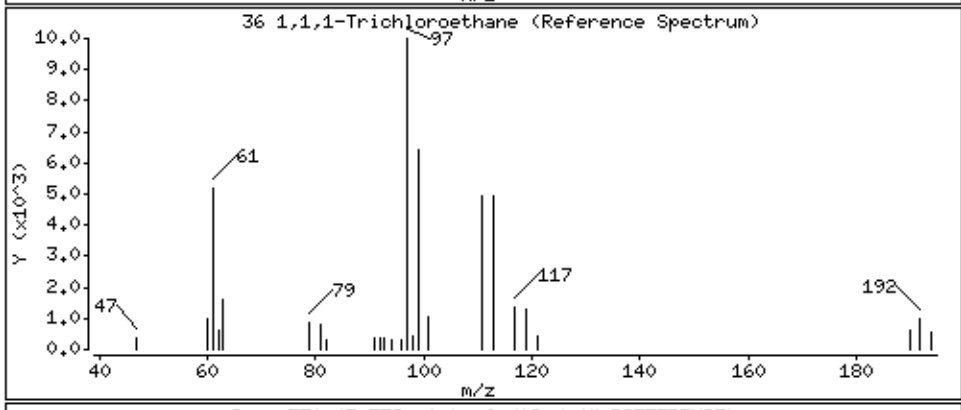
36 1,1,1-Trichloroethane

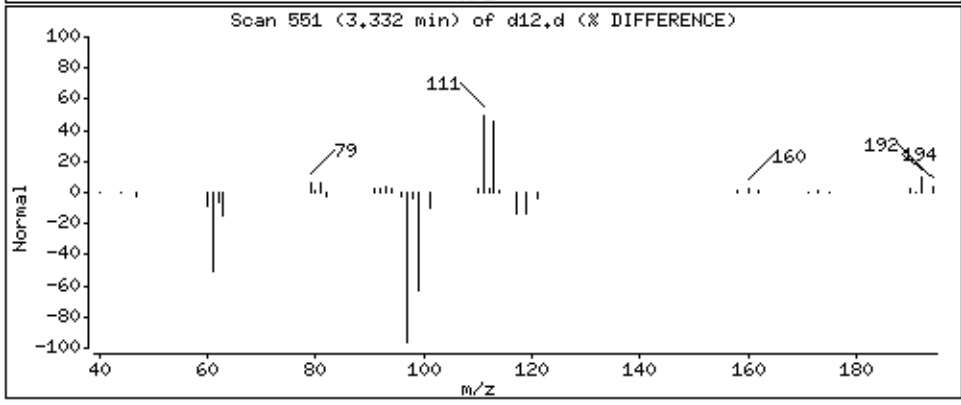
Concentration: 0.518 ppb

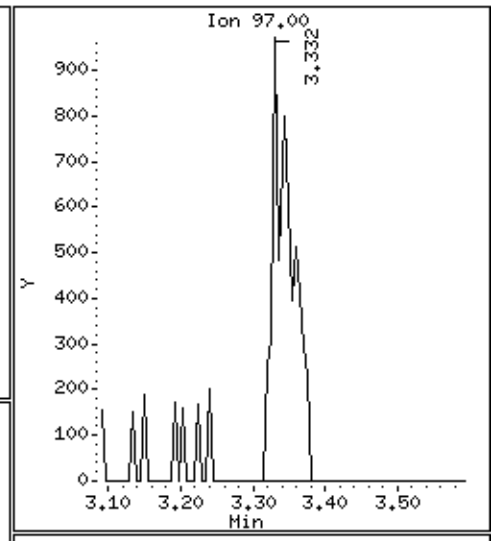
Review Code:

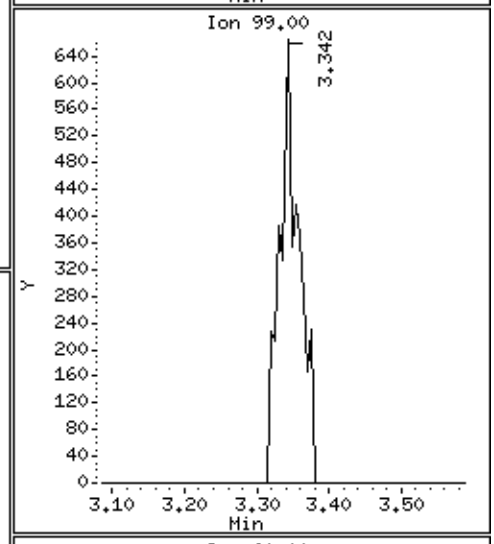


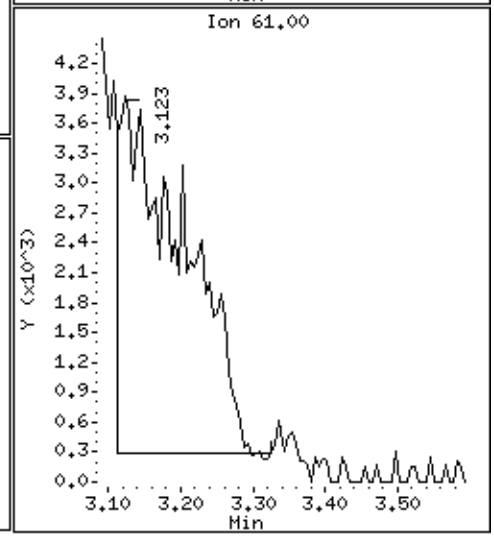












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

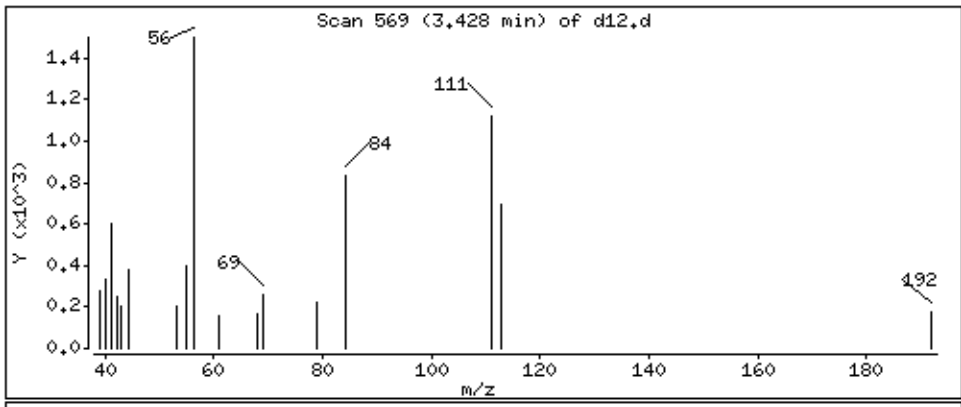
Column phase: DB-624

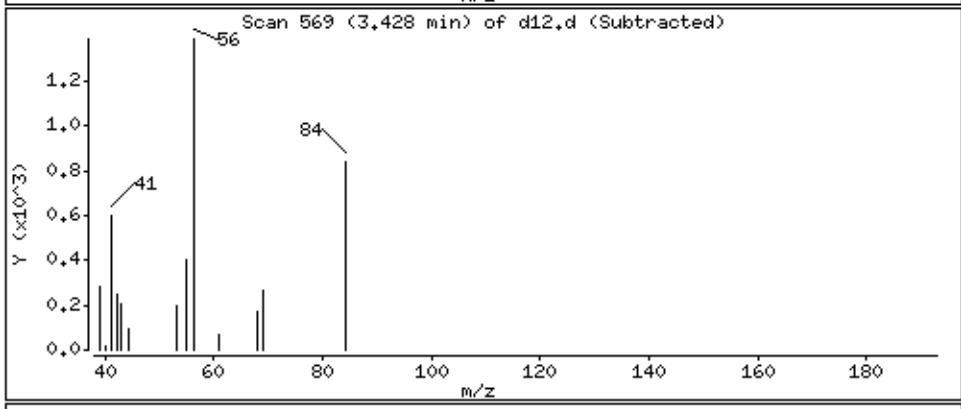
Column diameter: 0.18

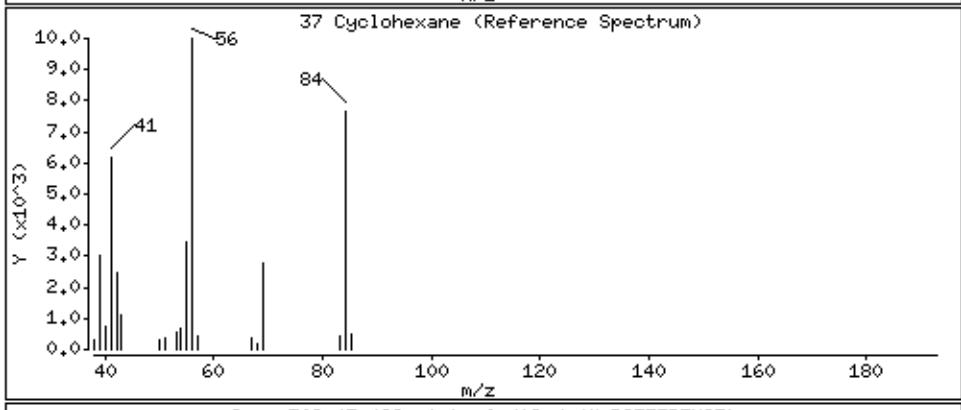
37 Cyclohexane

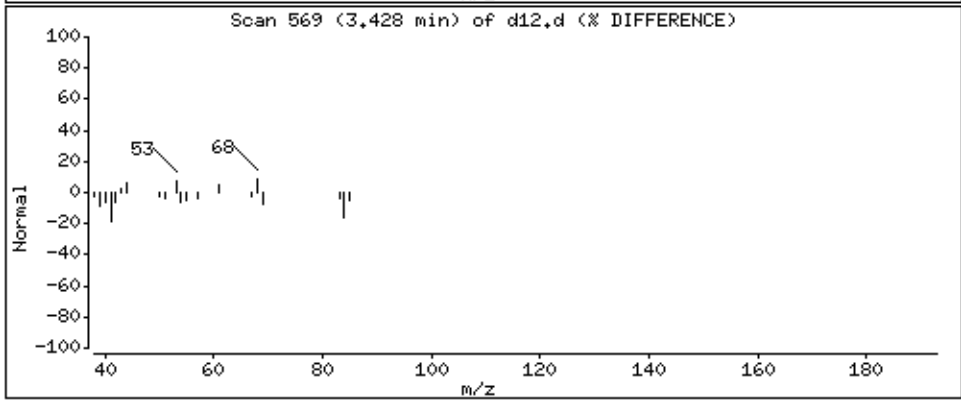
Concentration: 0.786 ppb

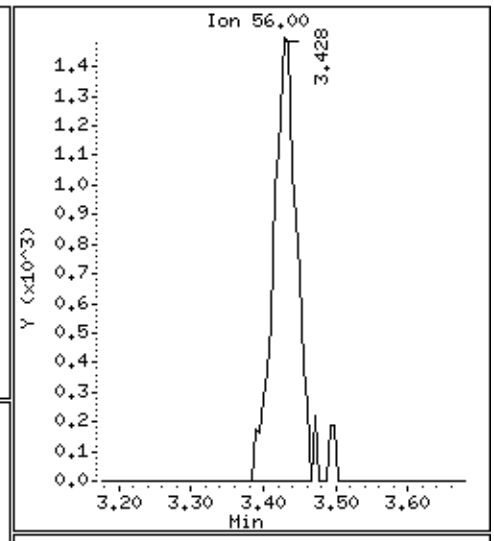
Review Code:

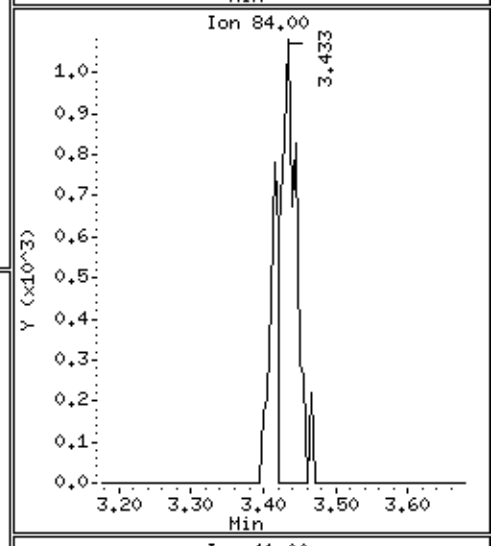


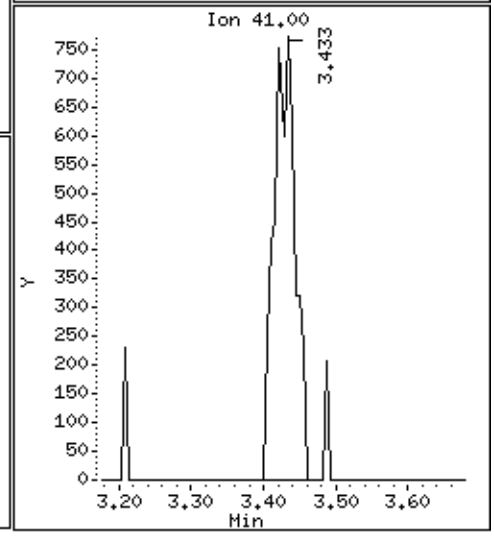












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

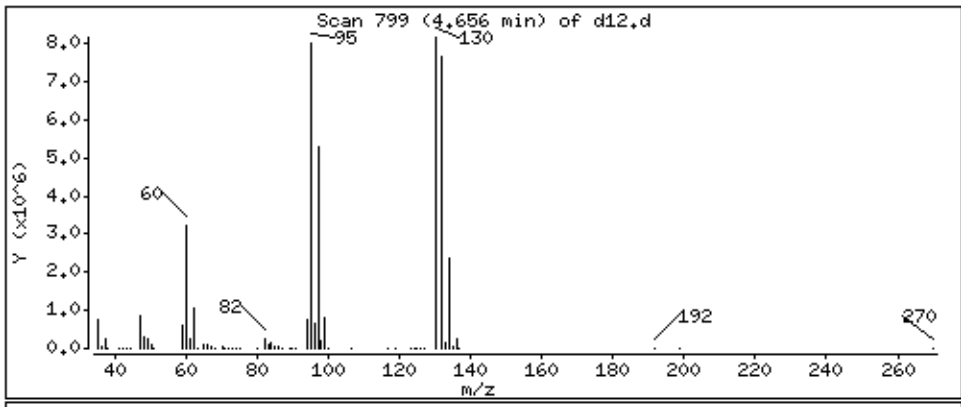
Column phase: DB-624

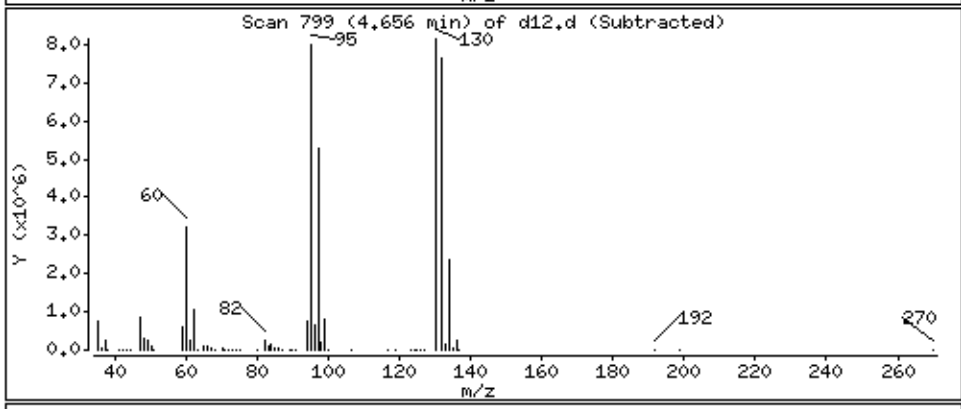
Column diameter: 0.18

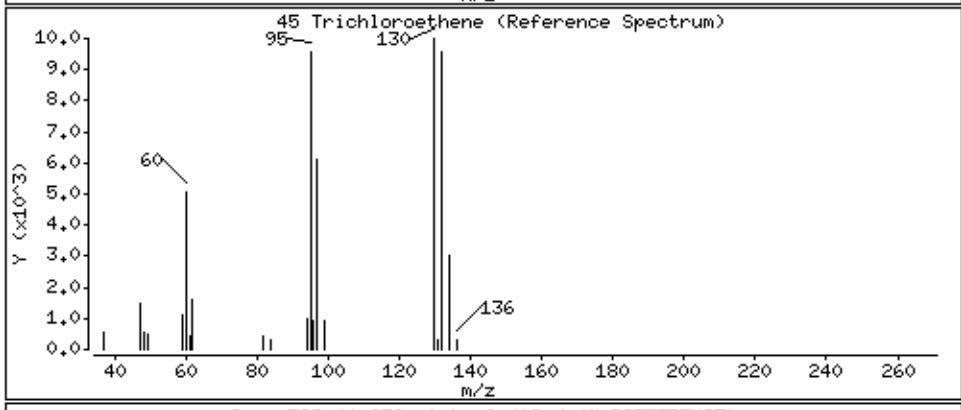
45 Trichloroethene

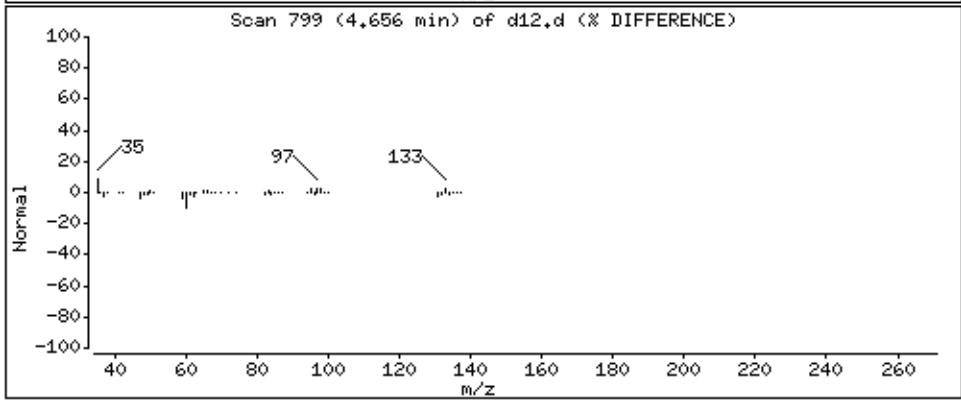
Concentration: 10500 ppb

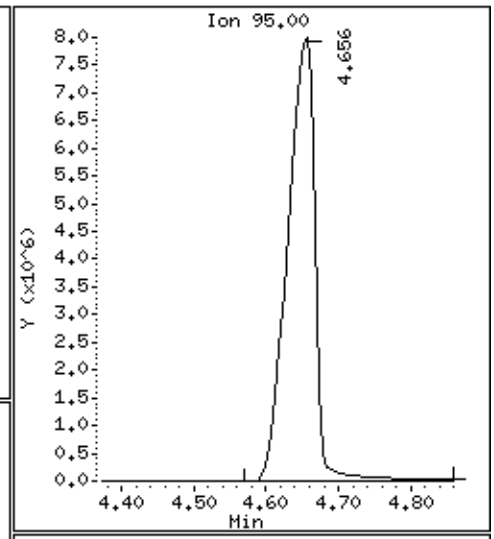
Review Code:

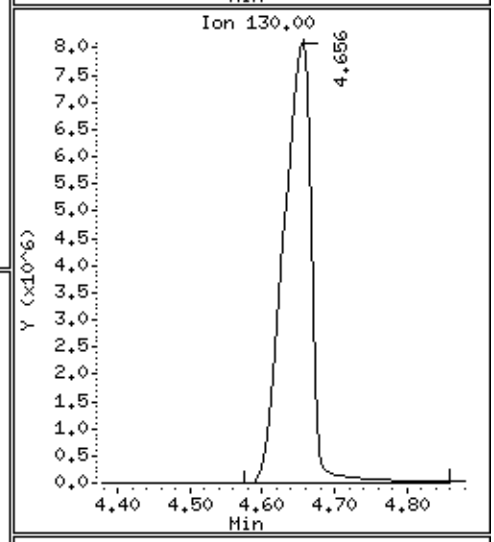


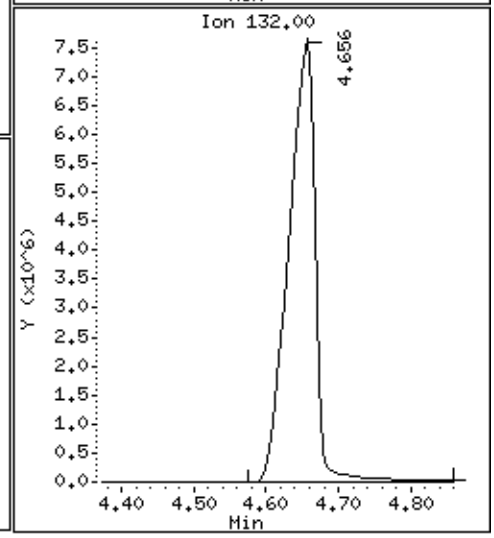












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d12.d

Date : 07-OCT-2016 06:53

Client ID: FD-2(092716)RW

Instrument: 50mv3b.i

Sample Info: 50155366024

Purge Volume: 5.0

Operator: jlz

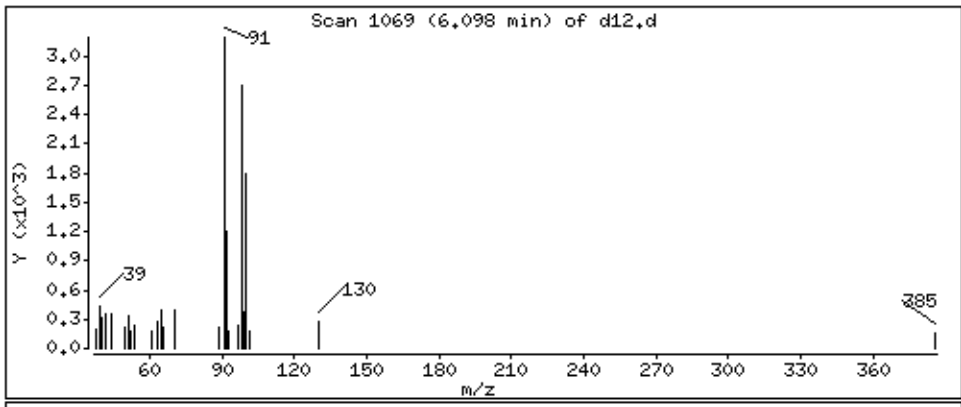
Column phase: DB-624

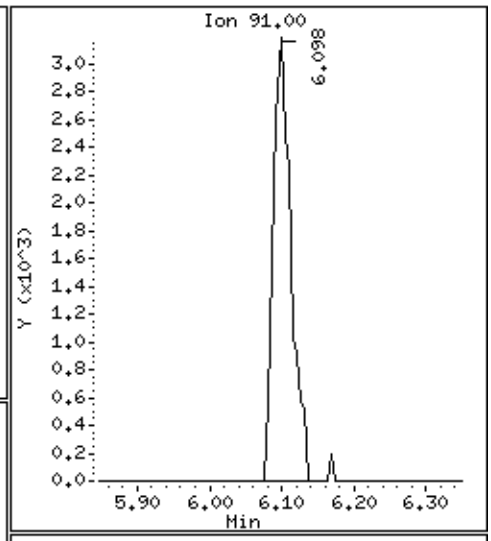
Column diameter: 0.18

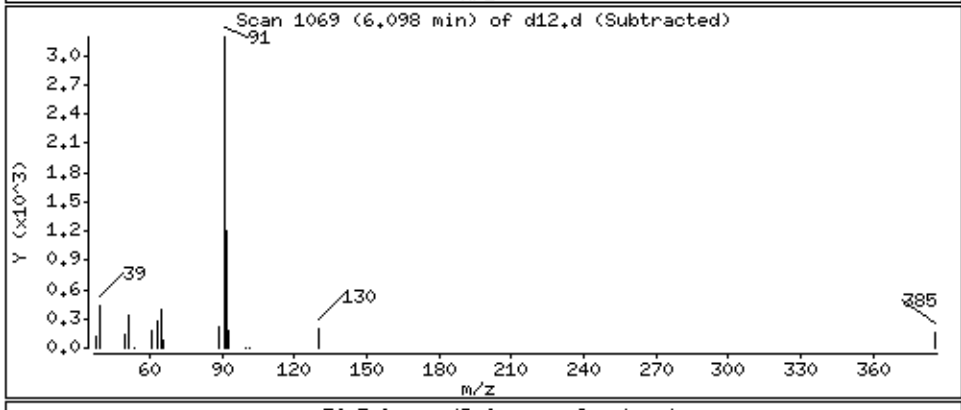
56 Toluene

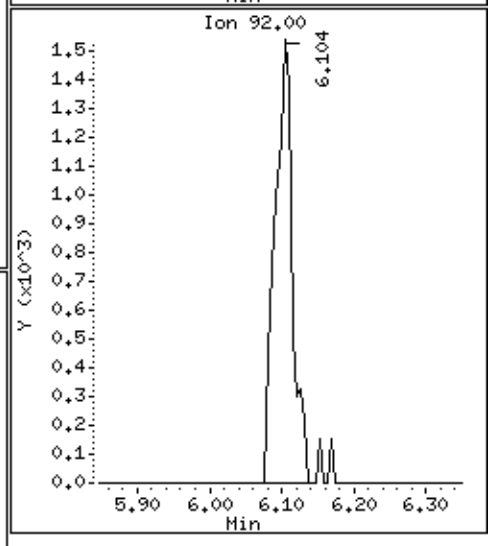
Concentration: 0.486 ppb

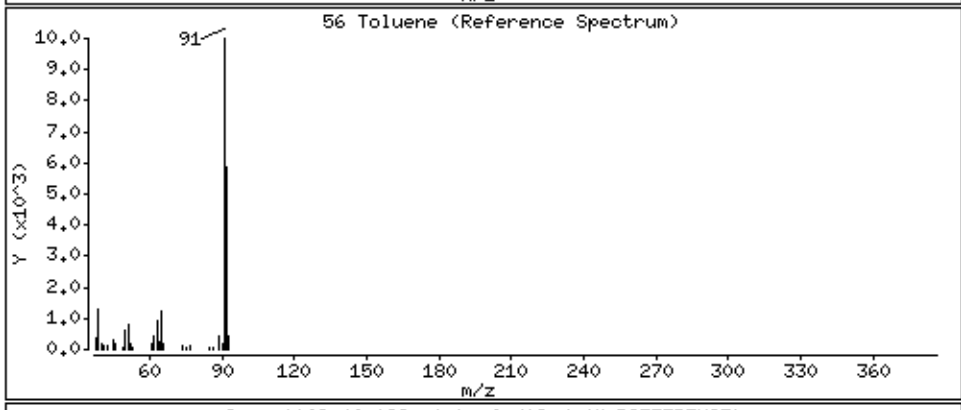
Review Code:

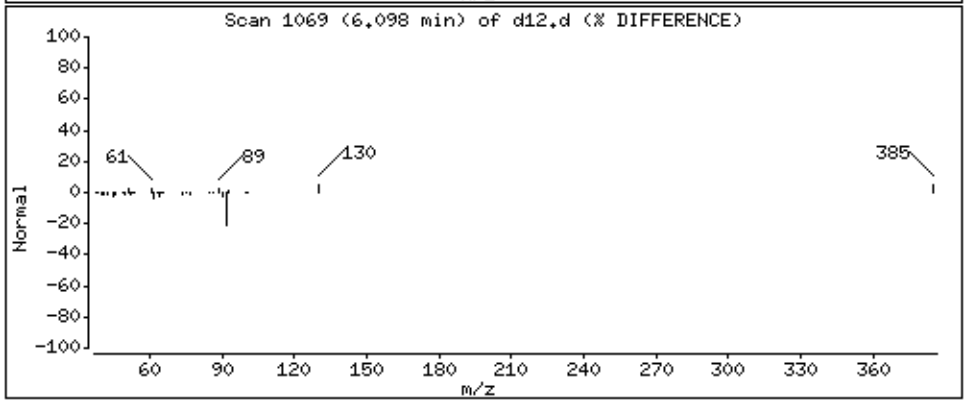












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d12.d
Injection Date: 07-OCT-2016 06:53
Instrument: 50mv3b.i
Lab Sample ID: 50155366024
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0621-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 07:23 Lab Sample ID: 50155366025

Date Analyzed: 10/11/2016 07:23 Lab File ID: A101016.B\C19.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 20 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-01-6	Trichloroethene	4000	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c19.d
Lab Smp Id: 50155366025 Client Smp ID: MW-0621-S1(092716)P
Inj Date : 11-OCT-2016 07:23
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366025x20
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 85
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.868	1.862	(0.448)	22137	9.99008	200	
	22 1,2-Dichloroethene (trans)	96	2.039	2.039	(0.489)	3795	1.93242	38.6	
	28 1,2-Dichloroethene (cis)	96	2.819	2.813	(0.676)	20113	9.55939	191(Q)	
$	35 Dibromofluoromethane (S)	113	3.331	3.331	(0.799)	88127	49.5571	49.6	
*	45 Fluorobenzene (IS)	96	4.170	4.164	(1.000)	393268	50.0000		
	46 Trichloroethene	95	4.619	4.618	(1.108)	409680	200.006	4000	
$	56 Toluene-d8 (S)	98	6.018	6.018	(0.820)	375662	46.9343	46.9	
	57 Toluene	91	6.098	6.093	(0.831)	4196	0.44157	8.83	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.342	(1.000)	258134	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.165	8.165	(1.112)	112131	48.7199	48.7	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.838	(1.000)	105008	50.0000		

QC Flag Legend

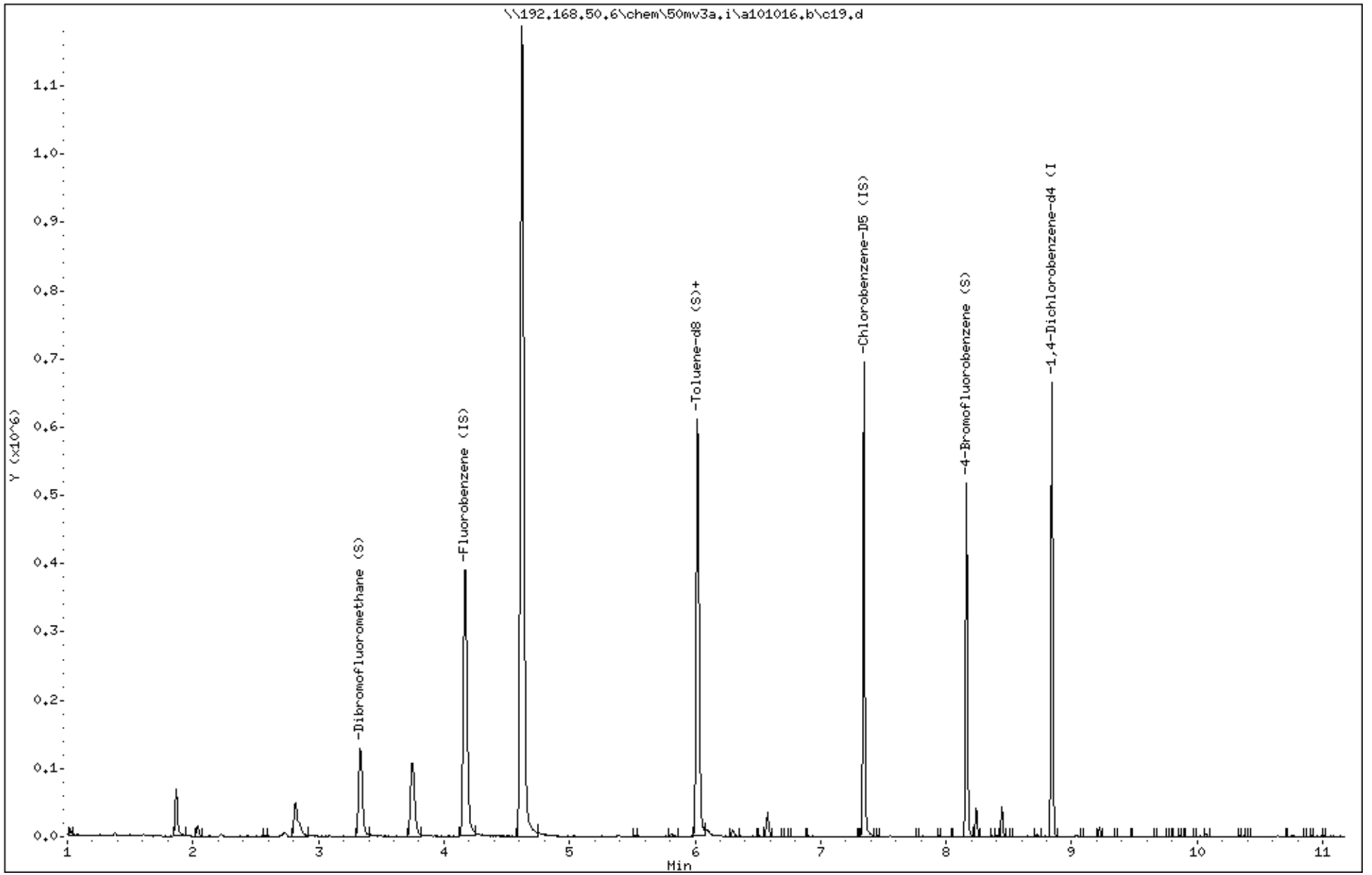
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c19.d
Date : 11-OCT-2016 07:23
Client ID: MW-0621-S1(092716)P
Sample Info: 50155366025x20
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c19.d

Date : 11-OCT-2016 07:23

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366025x20

Purge Volume: 5.0

Operator: jlz

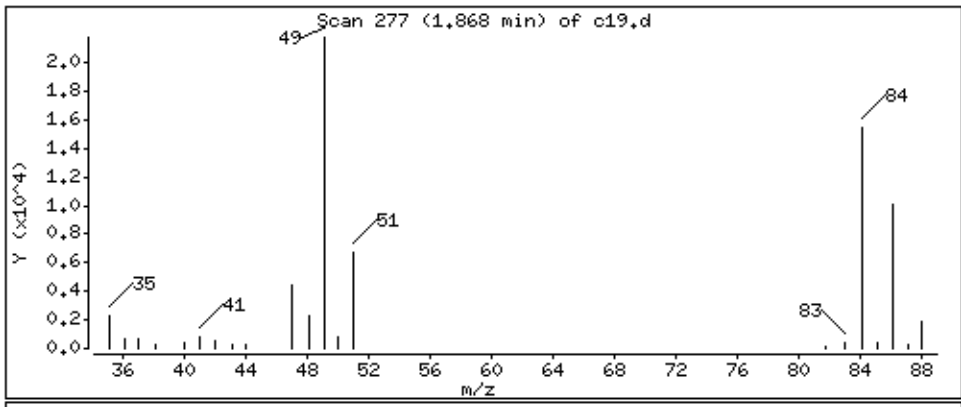
Column phase: DB-624

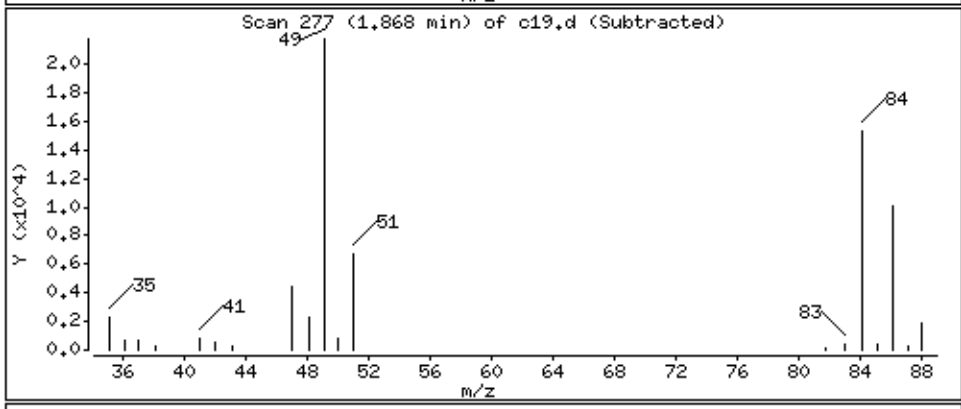
Column diameter: 0.18

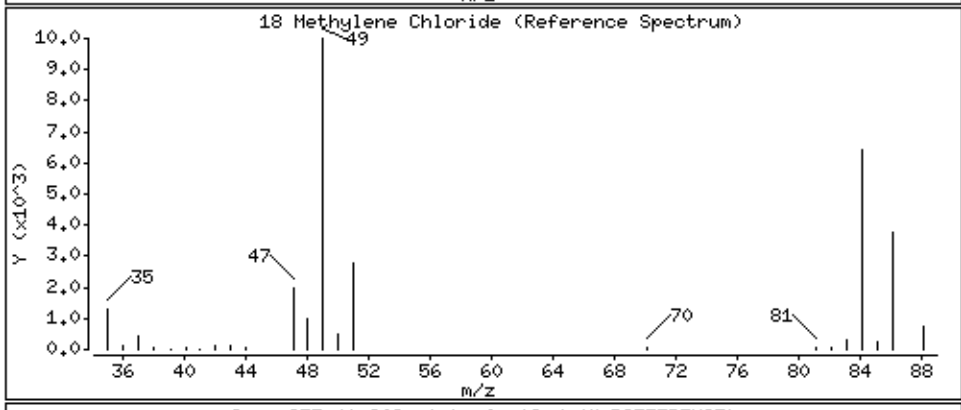
18 Methylene Chloride

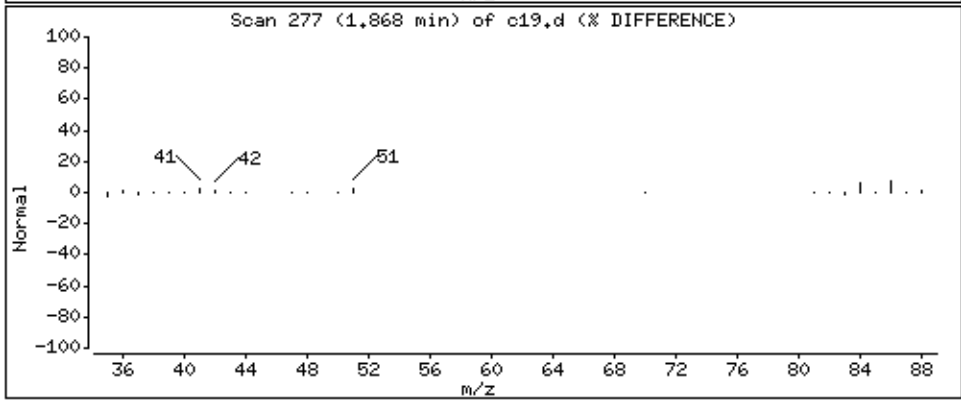
Concentration: 200 ppb

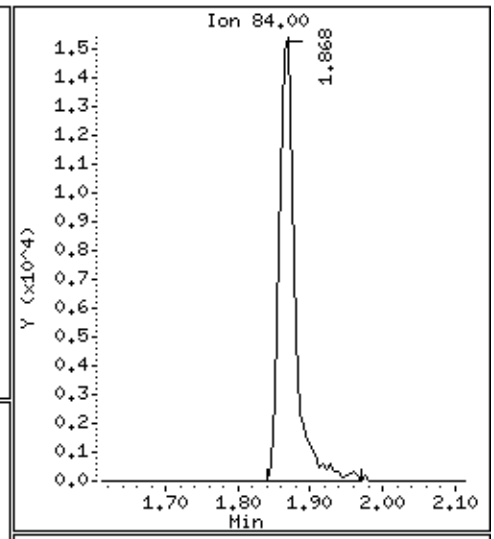
Review Code:

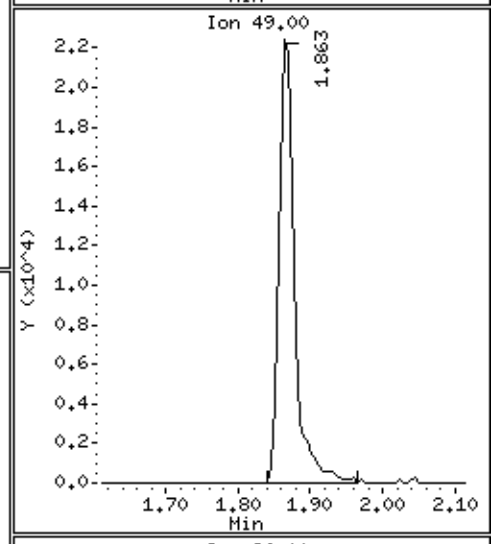


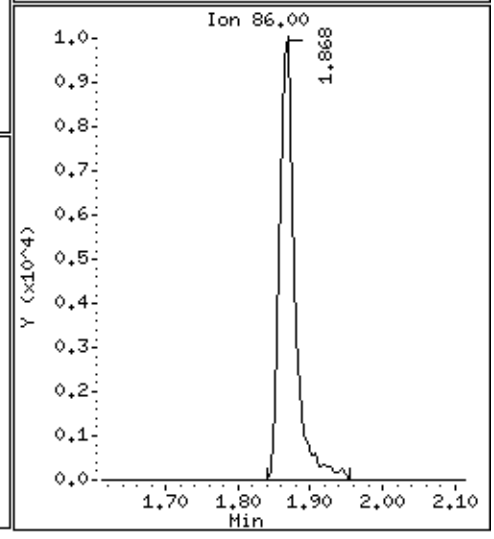












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c19.d

Date : 11-OCT-2016 07:23

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366025x20

Purge Volume: 5.0

Operator: jlz

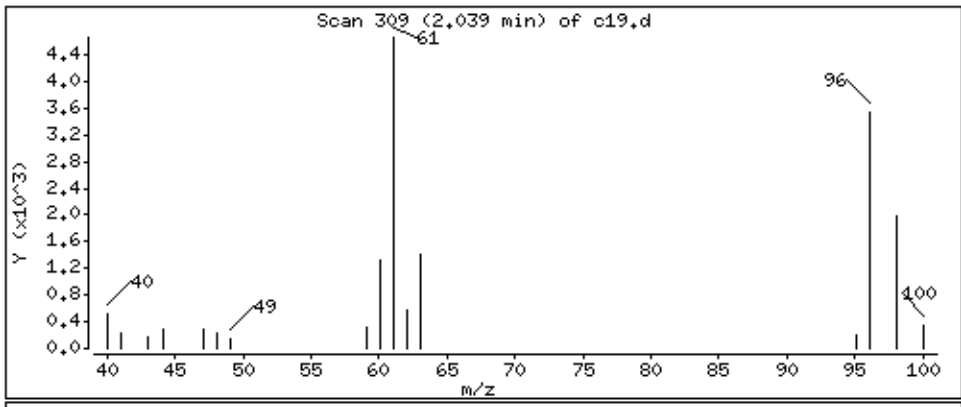
Column phase: DB-624

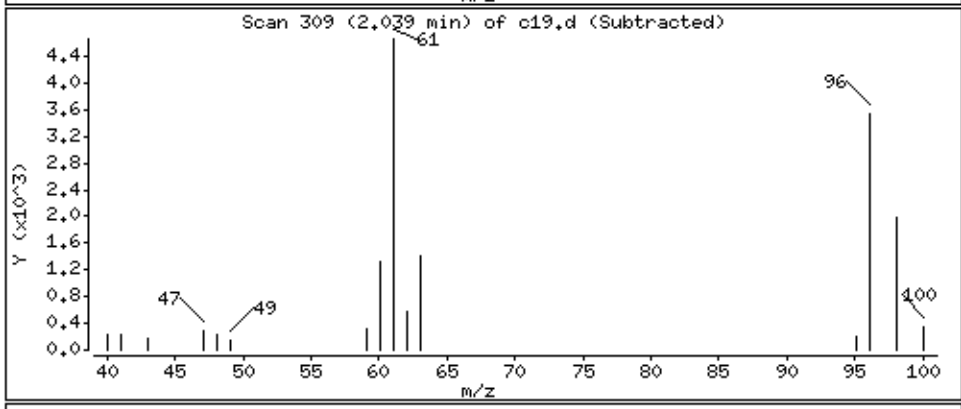
Column diameter: 0.18

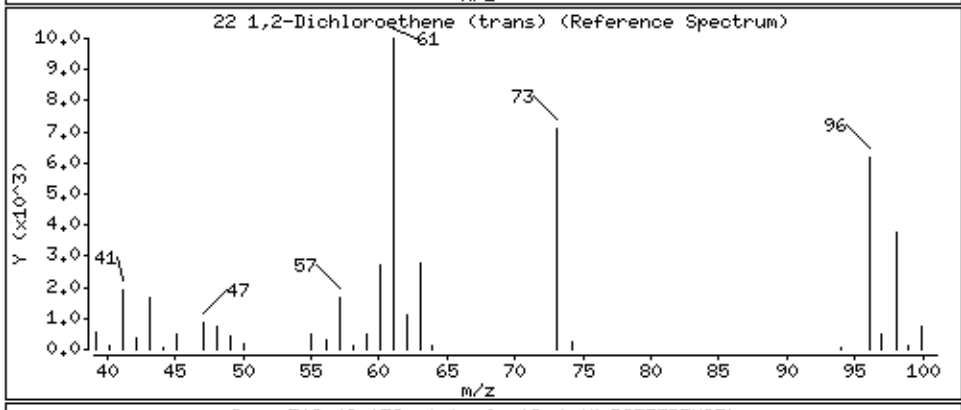
22 1,2-Dichloroethene (trans)

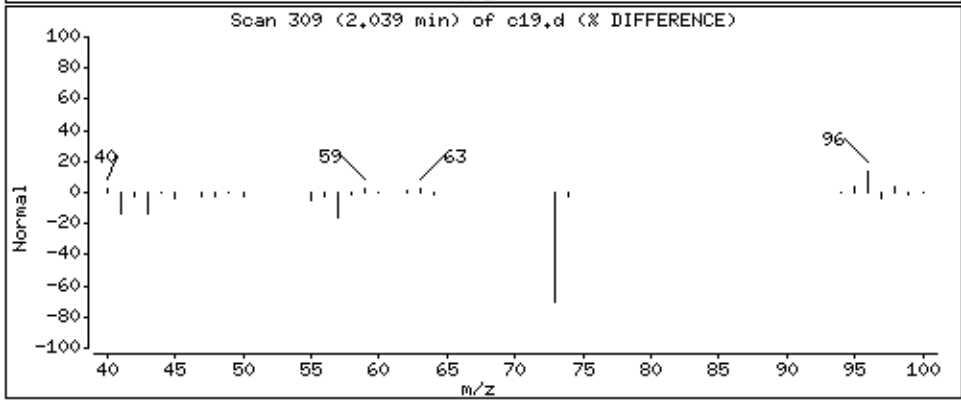
Concentration: 38.6 ppb

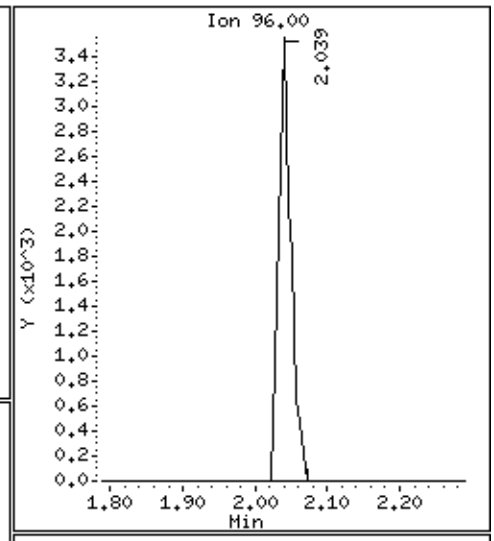
Review Code:

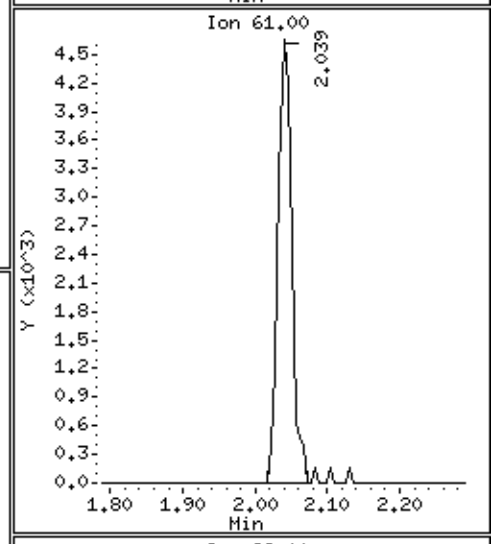


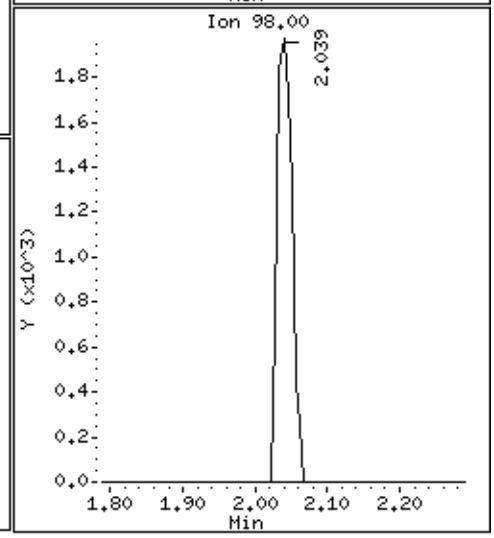












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c19.d

Date : 11-OCT-2016 07:23

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366025x20

Purge Volume: 5.0

Operator: jlz

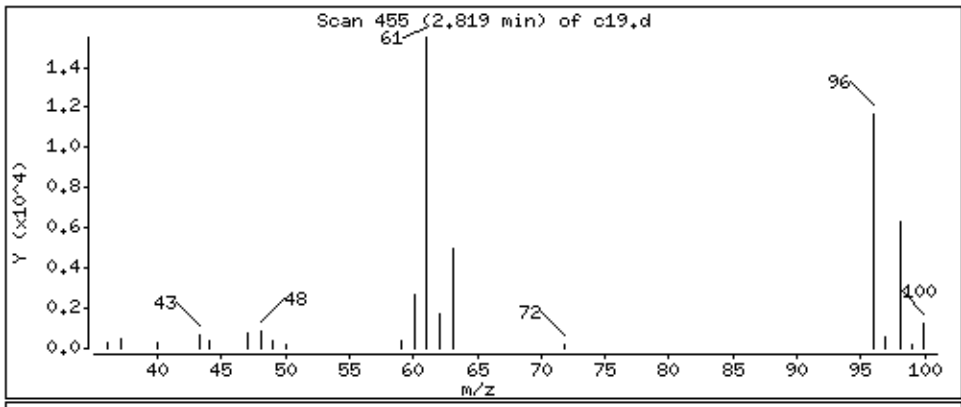
Column phase: DB-624

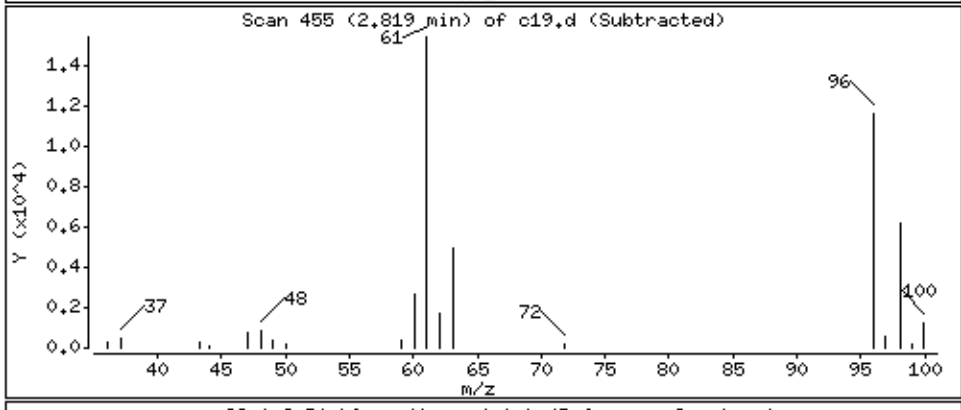
Column diameter: 0.18

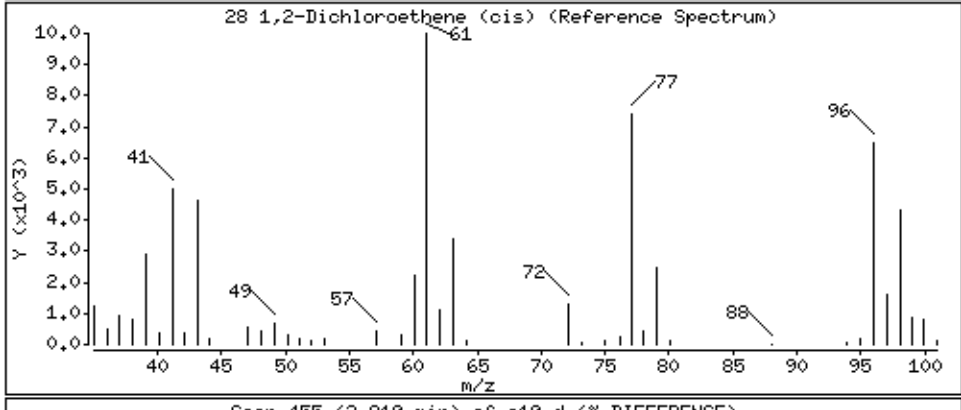
28 1,2-Dichloroethene (cis)

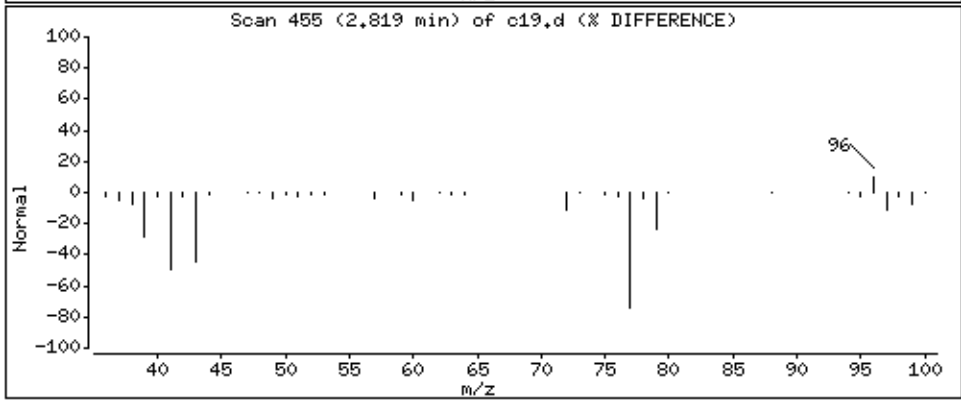
Concentration: 191 ppb

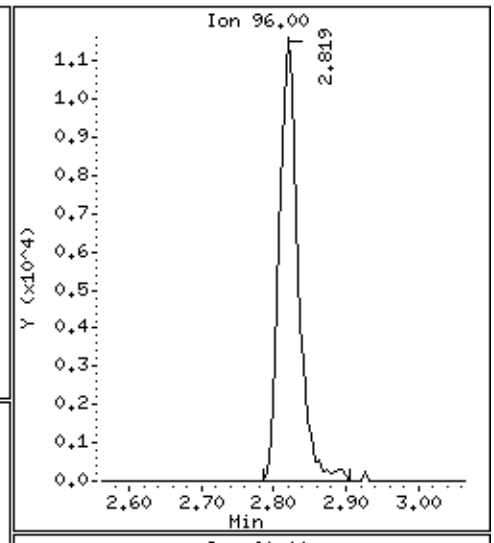
Review Code:

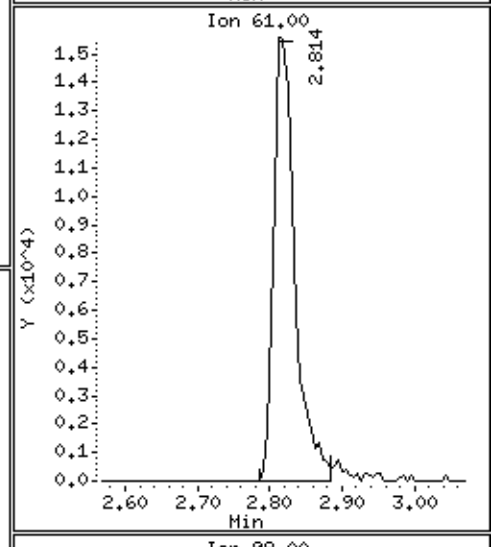


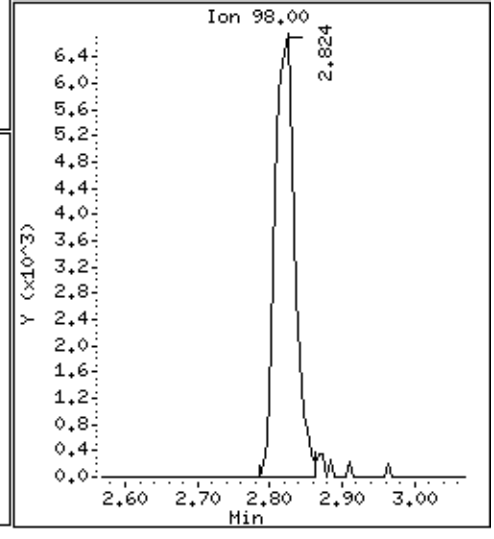












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Date : 11-OCT-2016 07:23

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366025x20

Purge Volume: 5.0

Operator: jlz

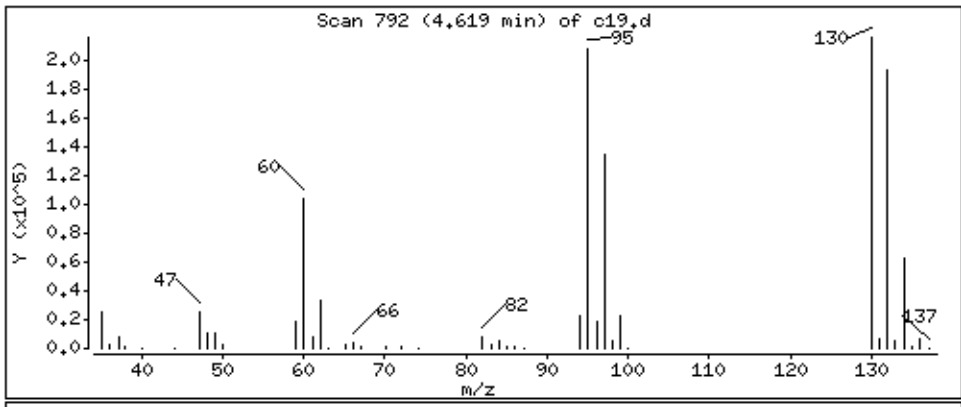
Column phase: DB-624

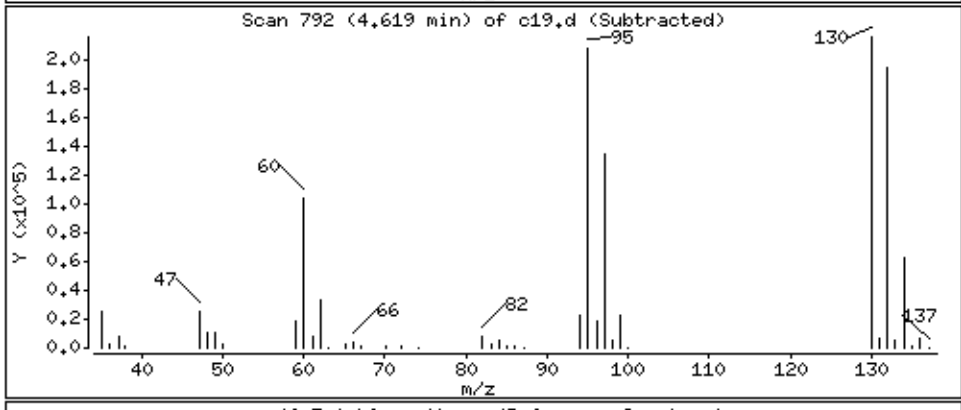
Column diameter: 0.18

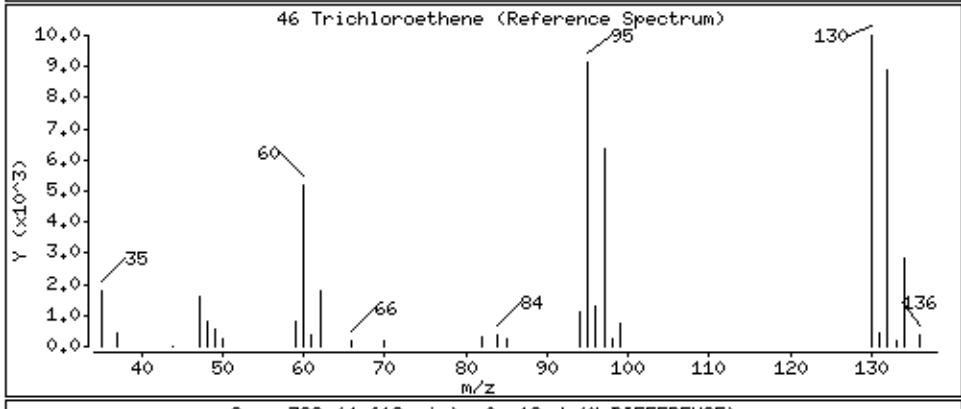
46 Trichloroethene

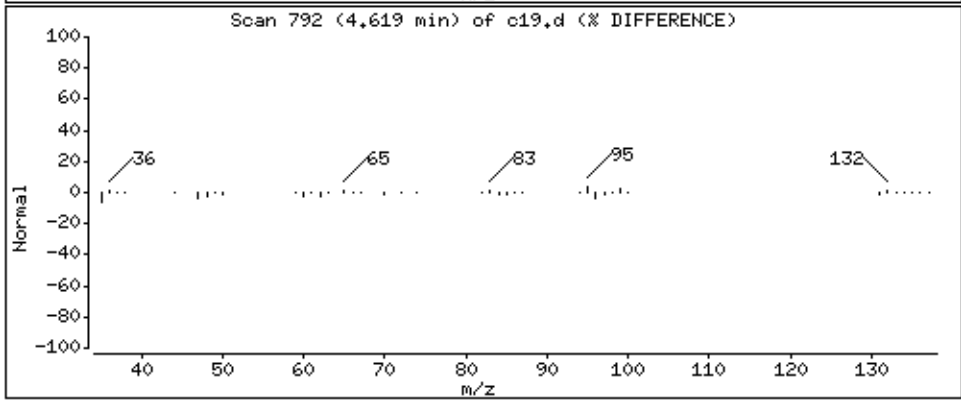
Concentration: 4000 ppb

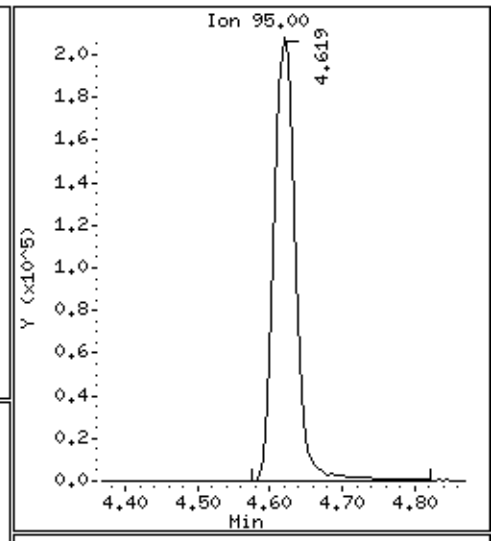
Review Code:

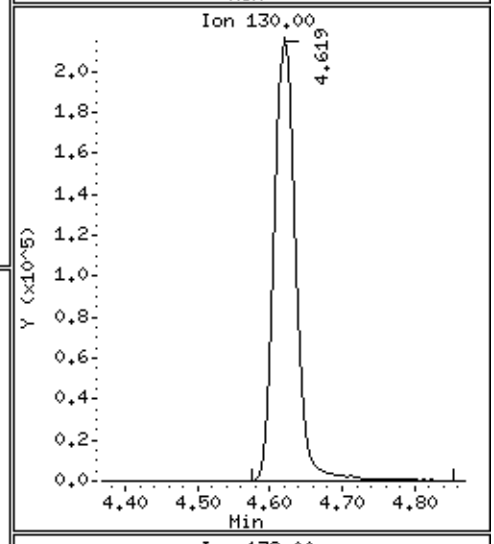


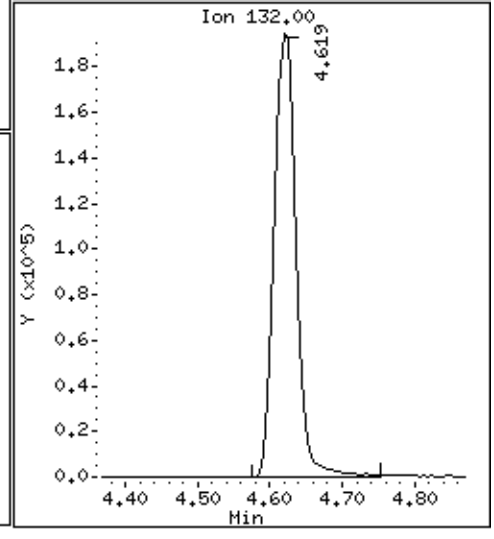












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c19.d

Date : 11-OCT-2016 07:23

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366025x20

Purge Volume: 5.0

Operator: jlz

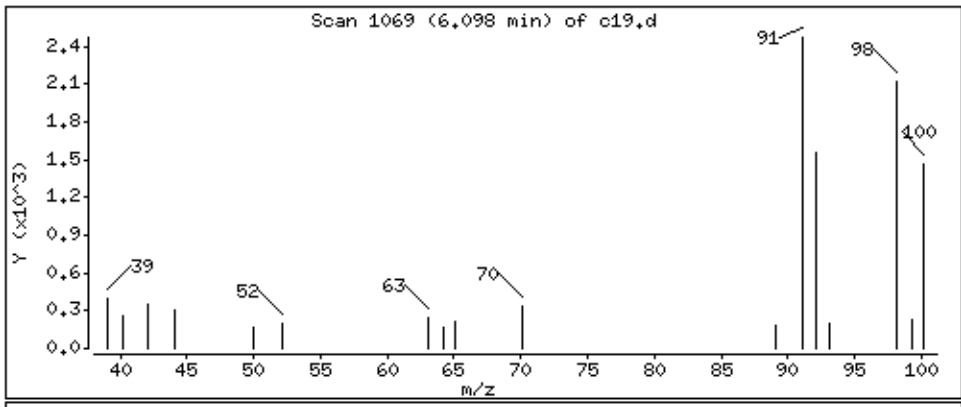
Column phase: DB-624

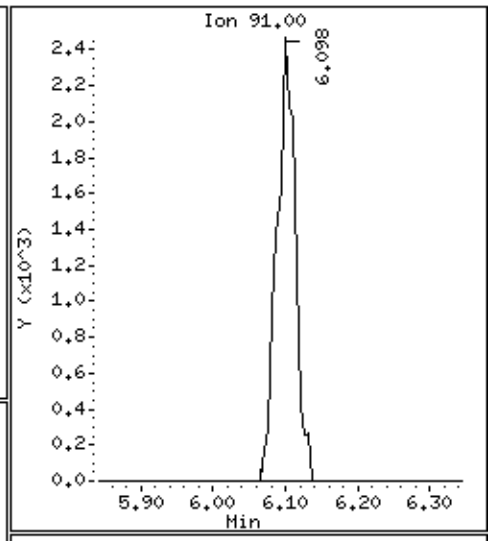
Column diameter: 0.18

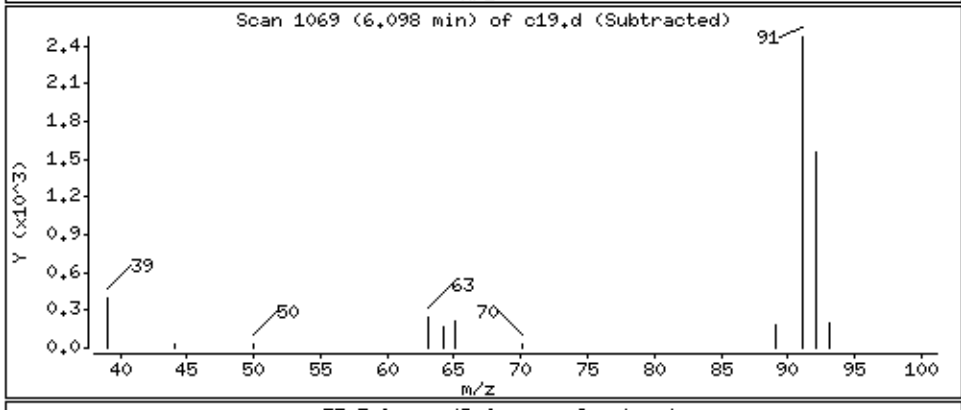
57 Toluene

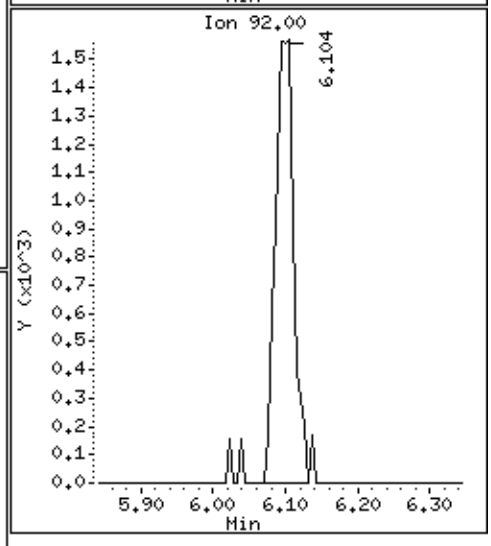
Concentration: 8.83 ppb

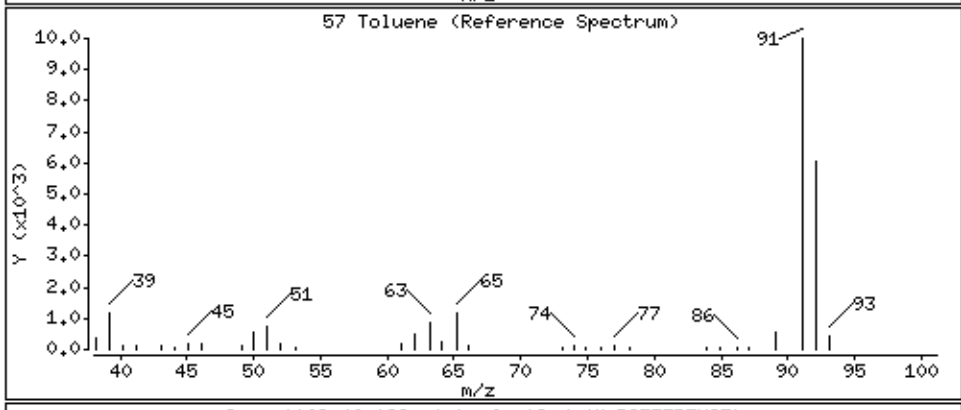
Review Code:

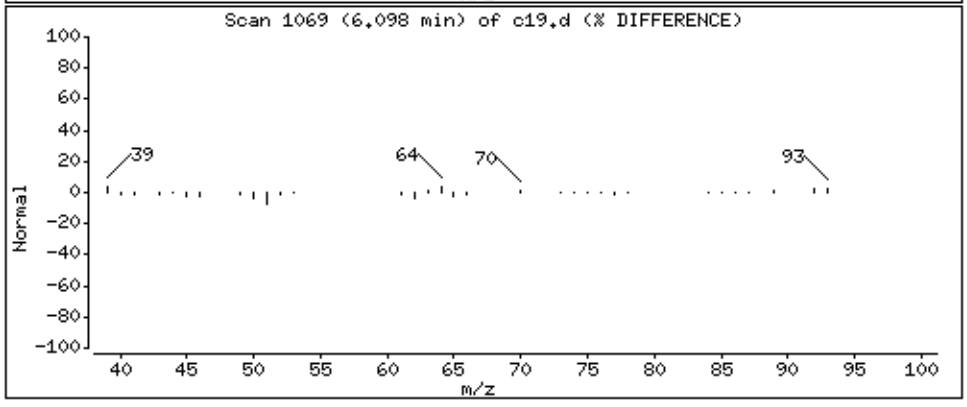












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c19.d
Injection Date: 11-OCT-2016 07:23
Instrument: 50mv3a.i
Lab Sample ID: 50155366025
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0621-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 07:25 Lab Sample ID: 50155366025

Date Analyzed: 10/07/2016 07:25 Lab File ID: B100616.B\D13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	174	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	111	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0621-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 07:25 Lab Sample ID: 50155366025

Date Analyzed: 10/07/2016 07:25 Lab File ID: B100616.B\D13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d13.d
Lab Smp Id: 50155366025 Client Smp ID: MW-0621-S1(092716)P
Inj Date : 07-OCT-2016 07:25
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366025x10
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 74
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

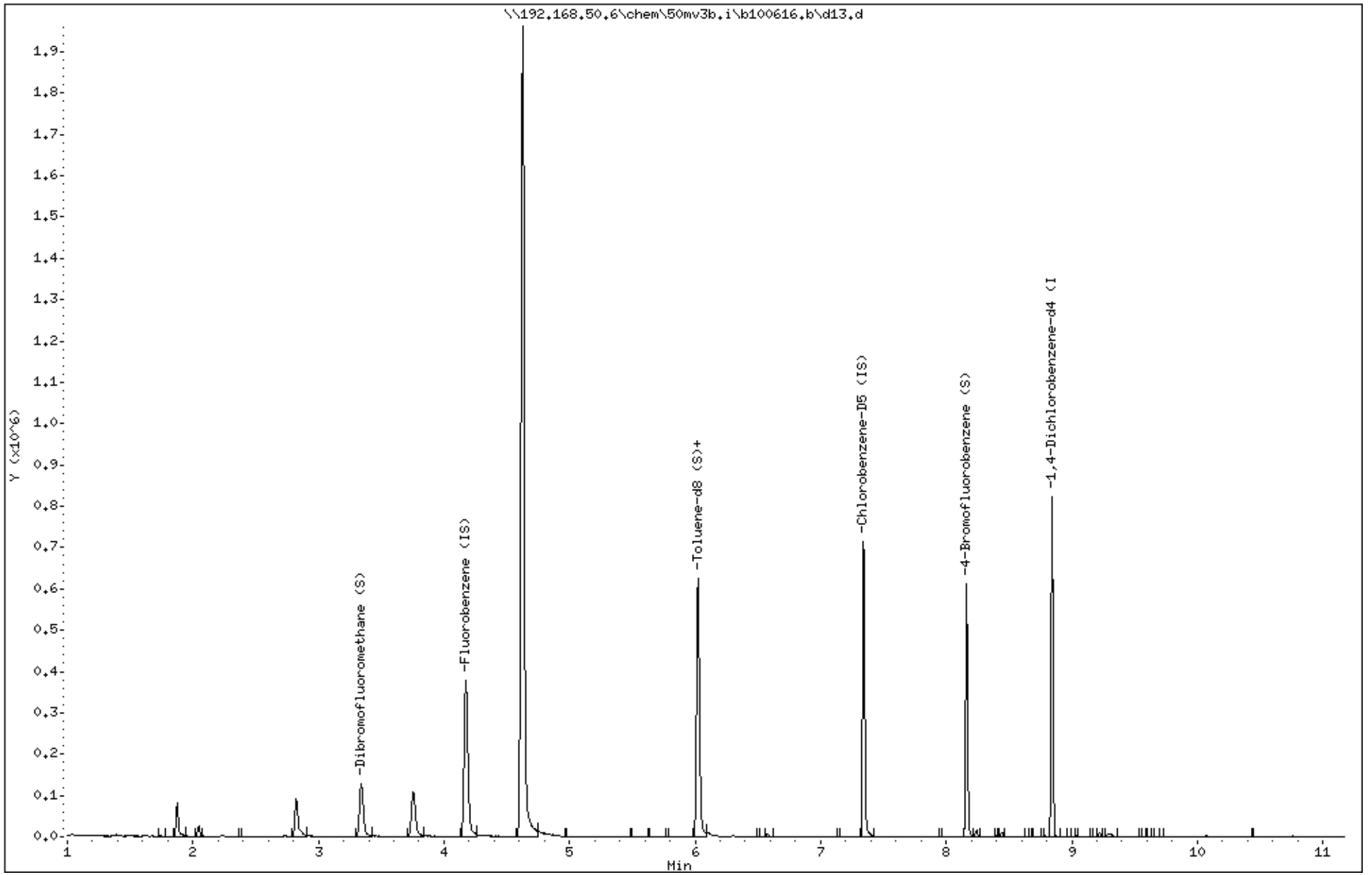
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.873	1.872	(0.449)	25484	11.0775	111	
	22 1,2-Dichloroethene (trans)	96	2.049	2.048	(0.491)	6152	3.07413	30.7	
	28 1,2-Dichloroethene (cis)	96	2.823	2.823	(0.677)	36856	17.3903	174(Q)	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.801)	87004	48.5294	48.5	
*	44 Fluorobenzene (IS)	96	4.169	4.174	(1.000)	389396	50.0000		
	45 Trichloroethene	95	4.623	4.623	(1.109)	690349	352.943	3530	
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	395214	46.9216	46.9	
	56 Toluene	91	6.097	6.097	(0.831)	3134	0.29935	2.99	
*	65 Chlorobenzene-D5 (IS)	117	7.342	7.347	(1.000)	285117	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.112)	135847	51.2374	51.2	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	135788	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d13.d
Date : 07-OCT-2016 07:25
Client ID: MW-0621-S1(092716)P
Sample Info: 50155366025x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d13.d

Date : 07-OCT-2016 07:25

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366025x10

Purge Volume: 5.0

Operator: jlz

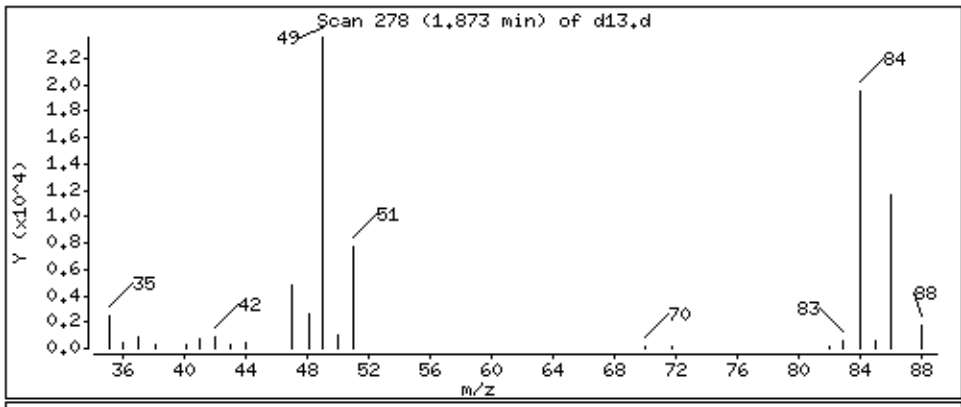
Column phase: DB-624

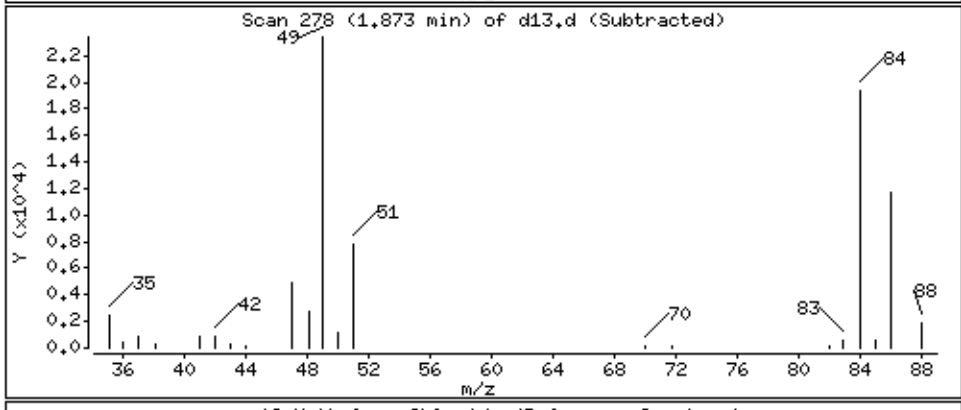
Column diameter: 0.18

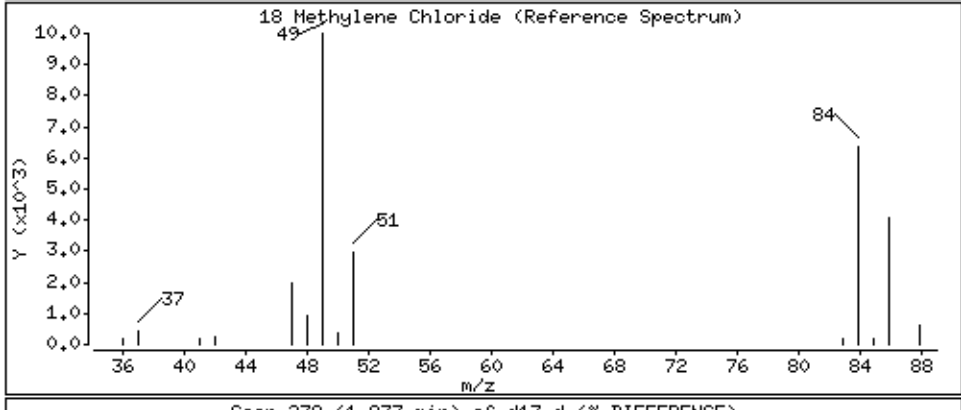
18 Methylene Chloride

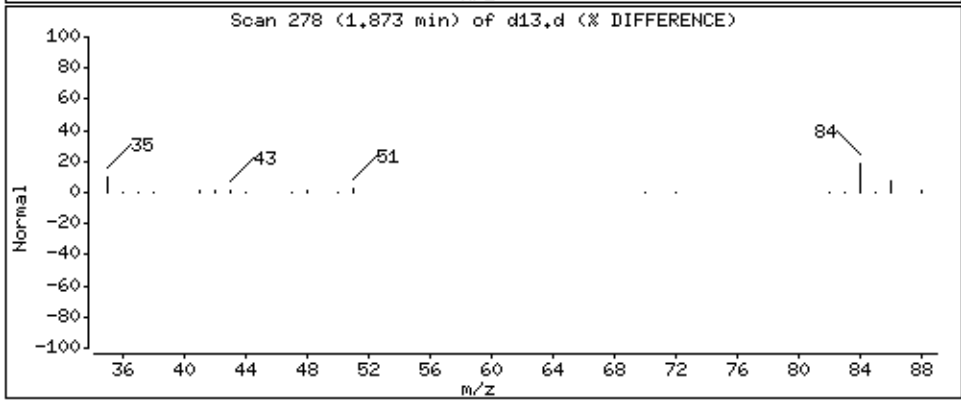
Concentration: 111 ppb

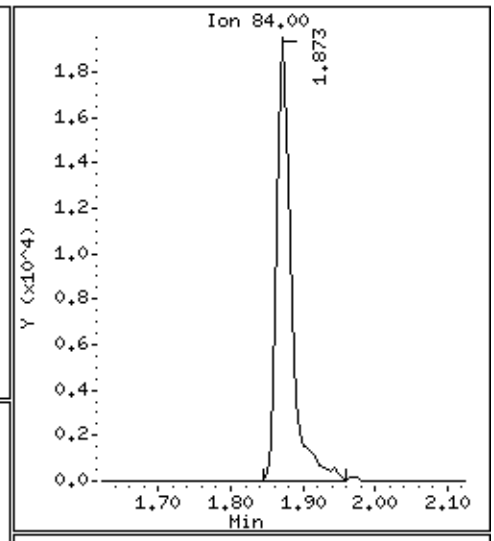
Review Code:

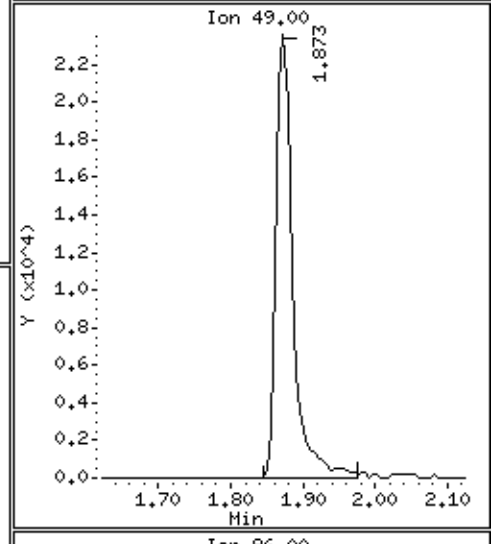


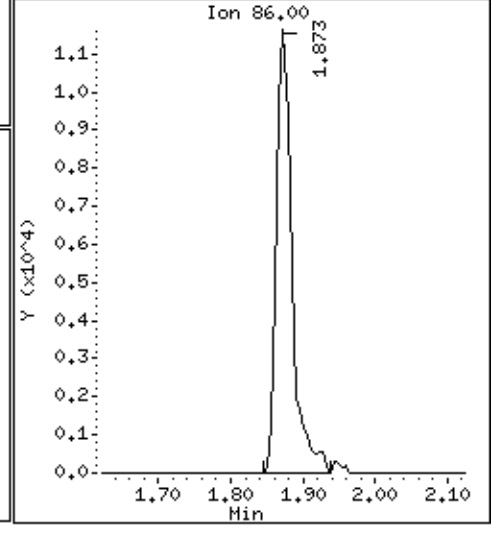












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d13.d

Date : 07-OCT-2016 07:25

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366025x10

Purge Volume: 5.0

Operator: jlz

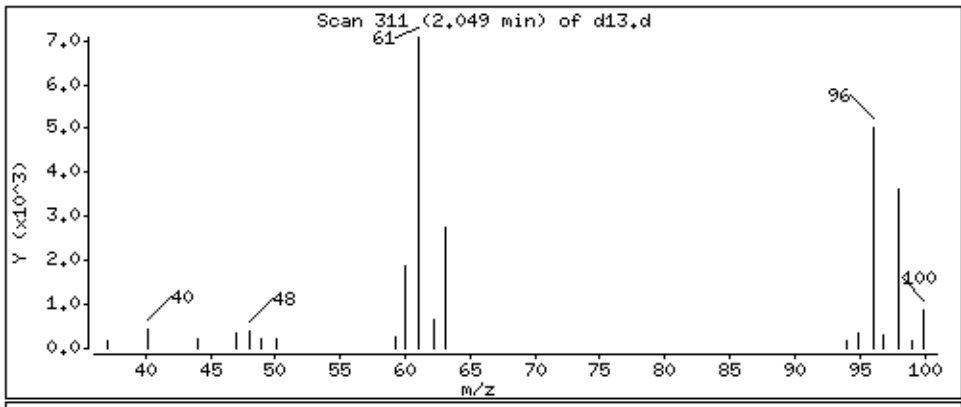
Column phase: DB-624

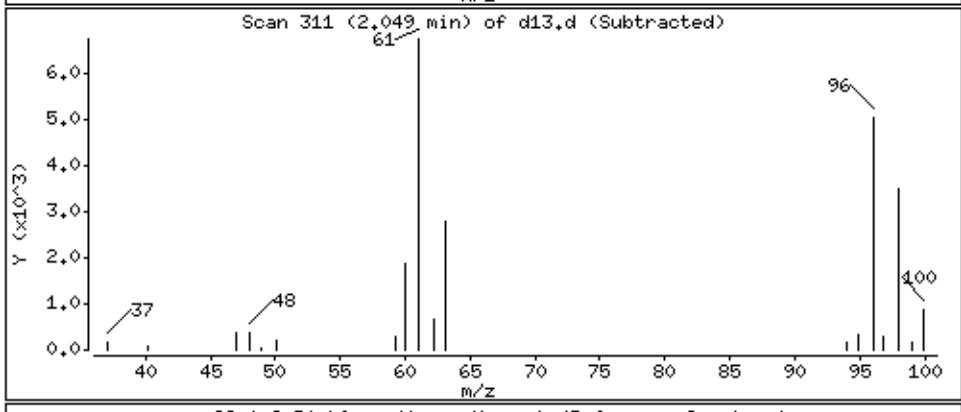
Column diameter: 0.18

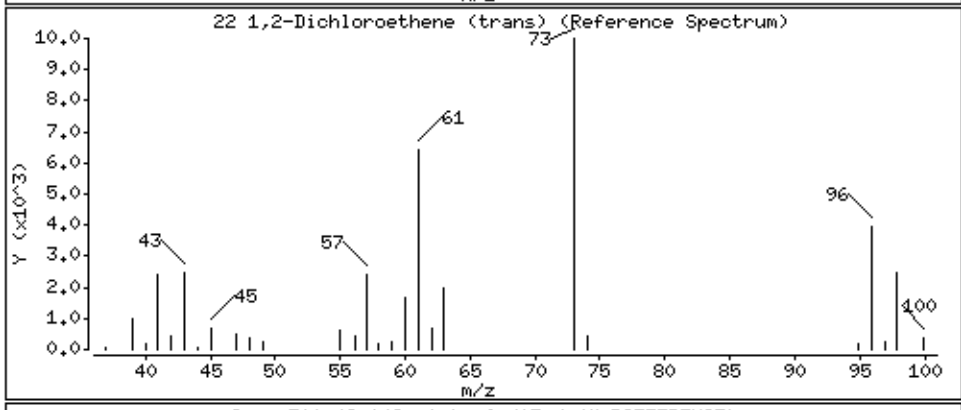
22 1,2-Dichloroethene (trans)

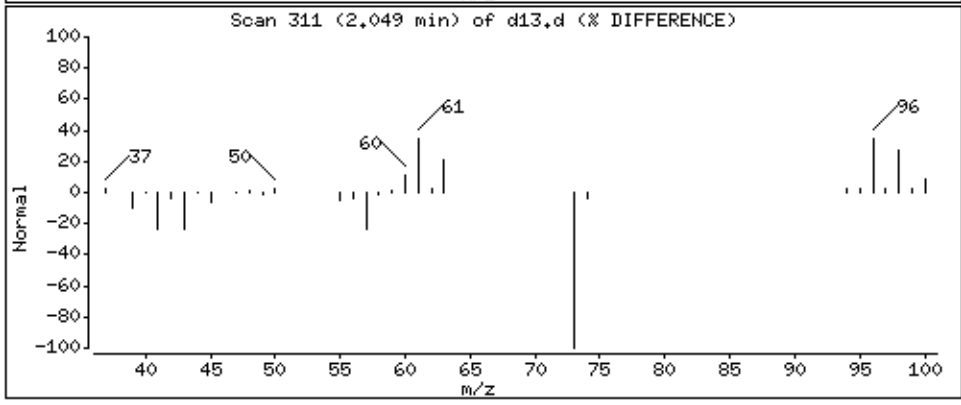
Concentration: 30.7 ppb

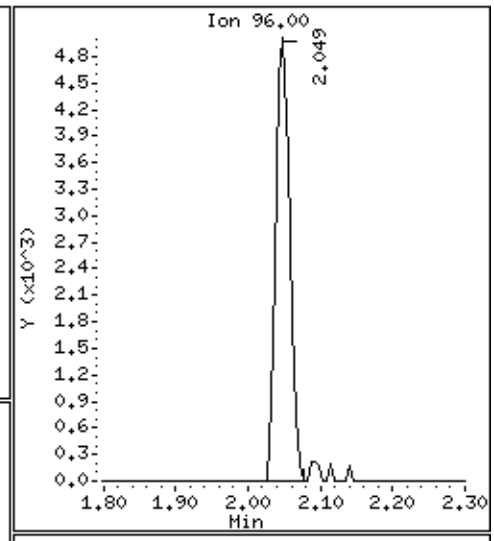
Review Code:

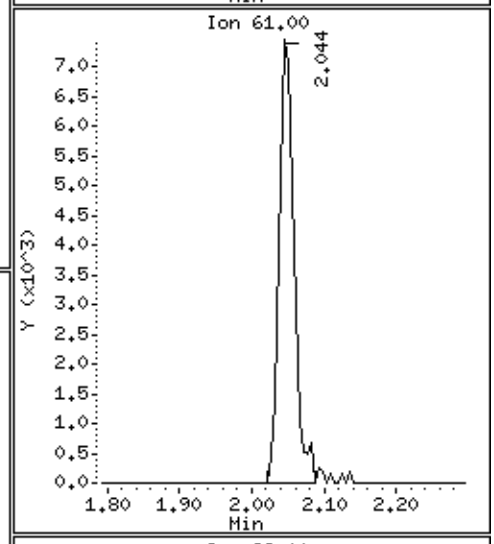


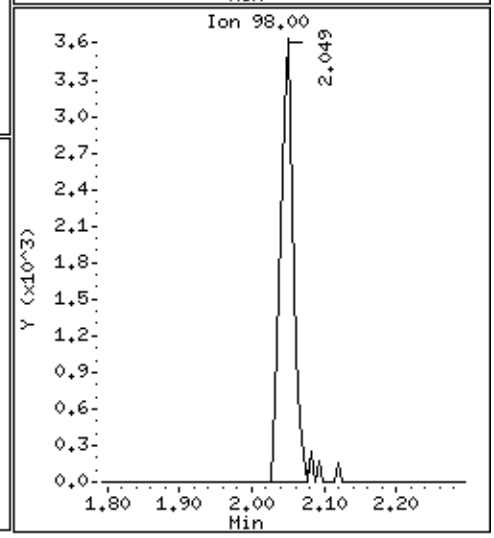












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d13.d

Date : 07-OCT-2016 07:25

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366025x10

Purge Volume: 5.0

Operator: jlz

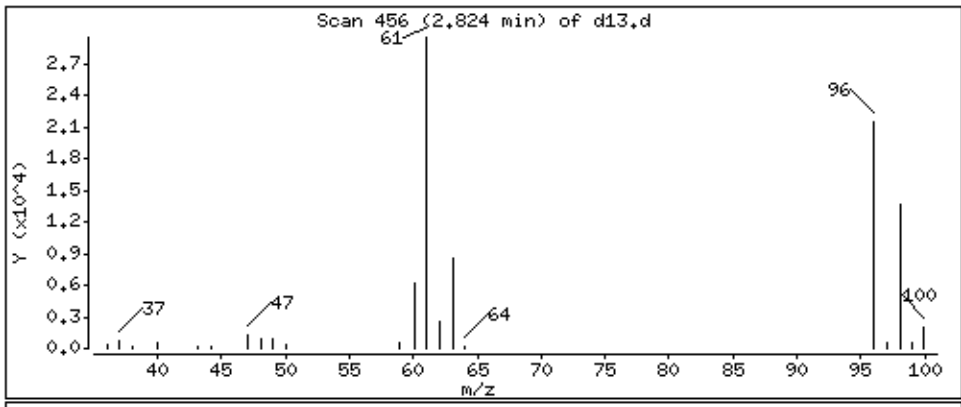
Column phase: DB-624

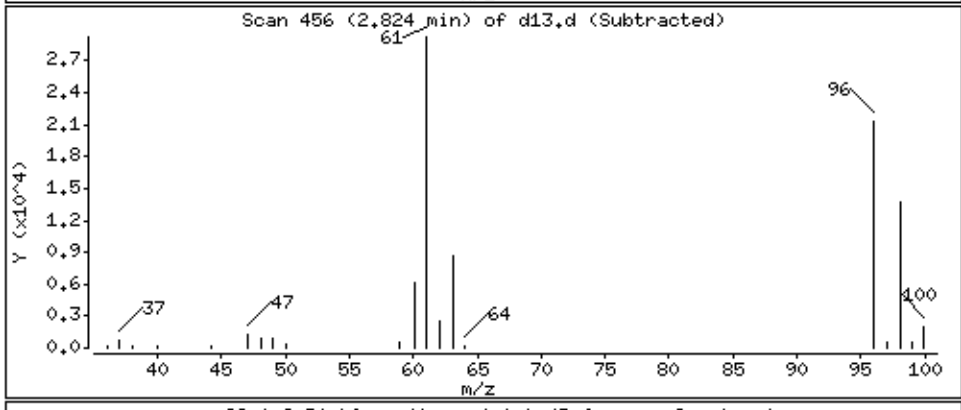
Column diameter: 0.18

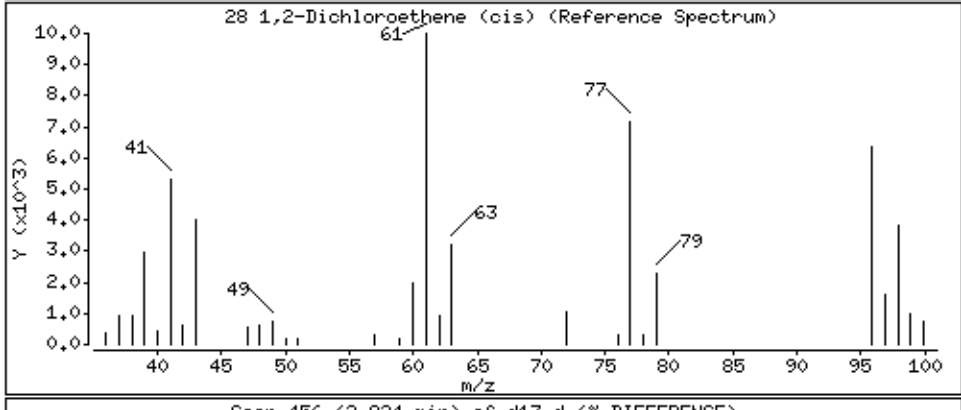
28 1,2-Dichloroethene (cis)

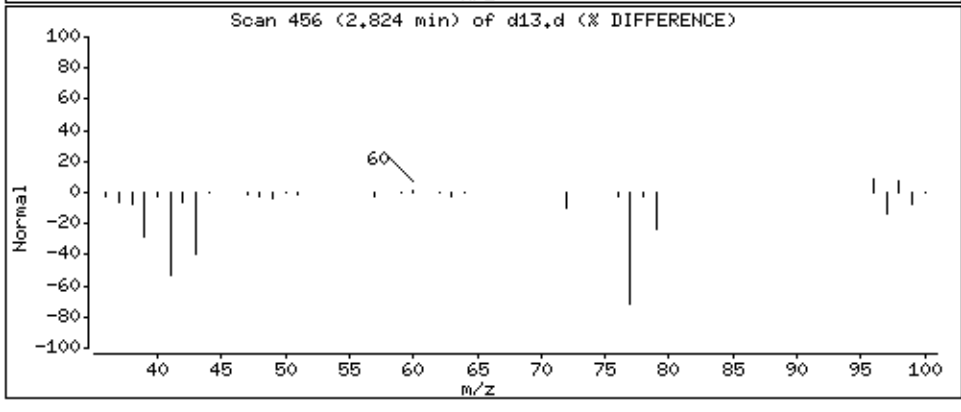
Concentration: 174 ppb

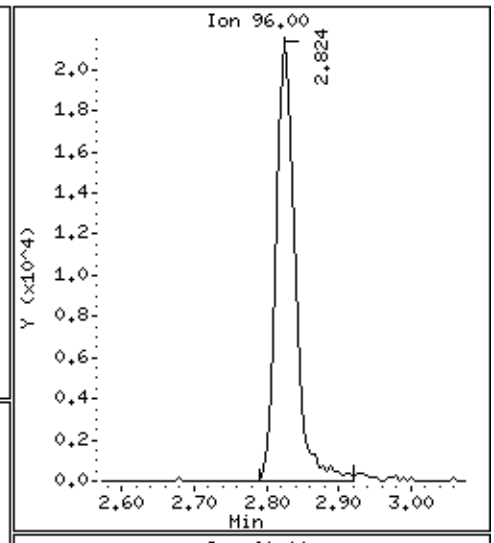
Review Code:

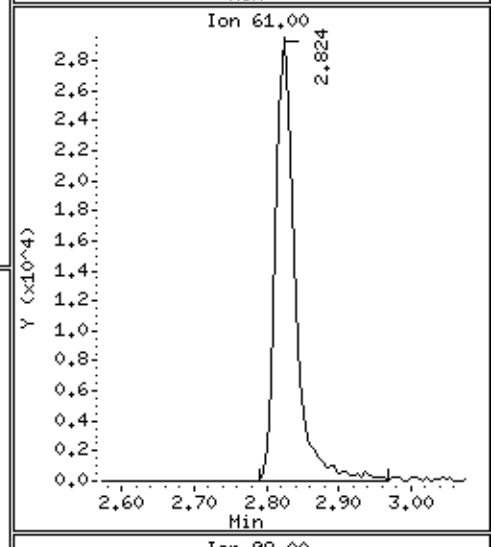


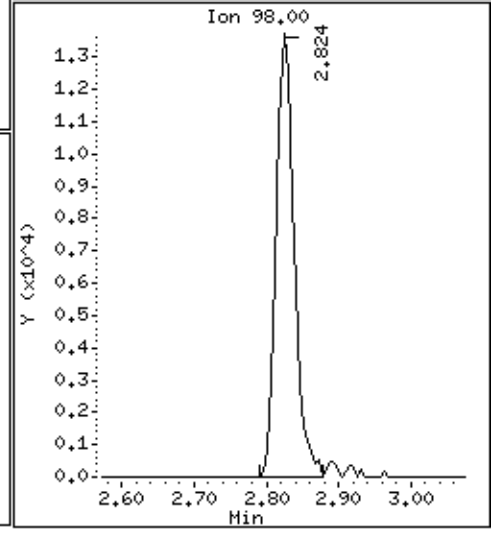












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Date : 07-OCT-2016 07:25

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366025x10

Purge Volume: 5.0

Operator: jlz

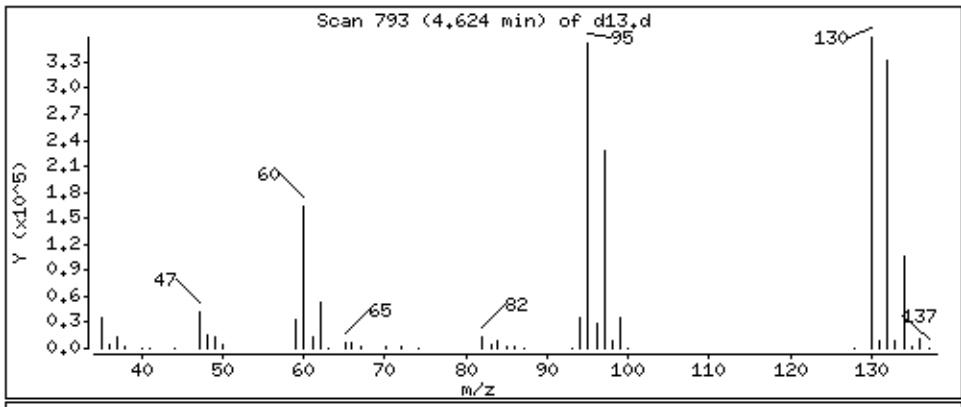
Column phase: DB-624

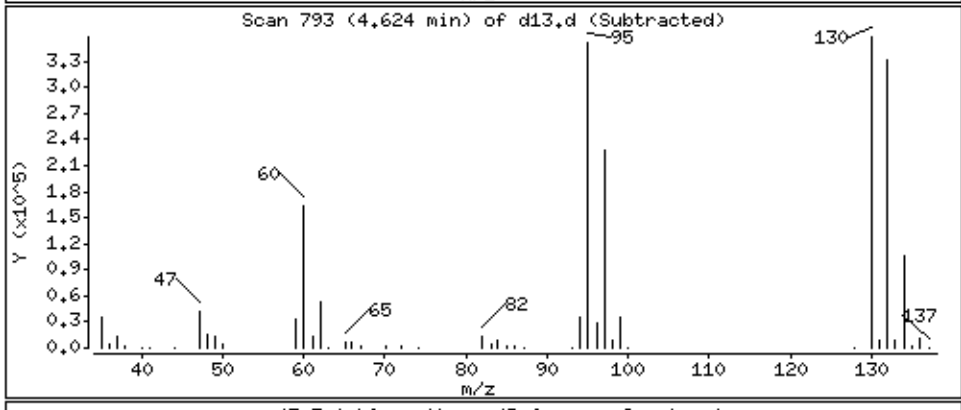
Column diameter: 0.18

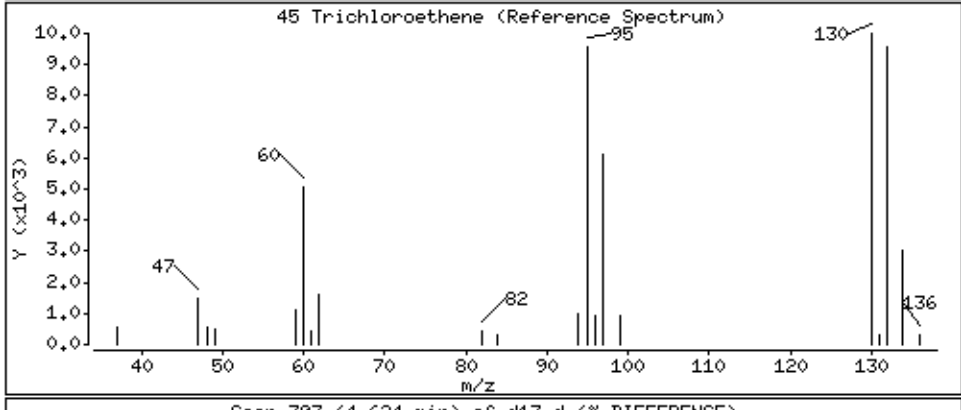
45 Trichloroethene

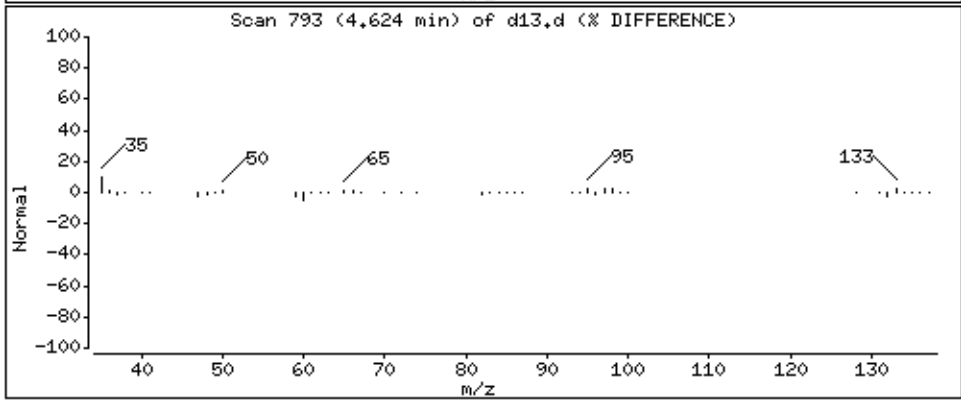
Concentration: 3530 ppb

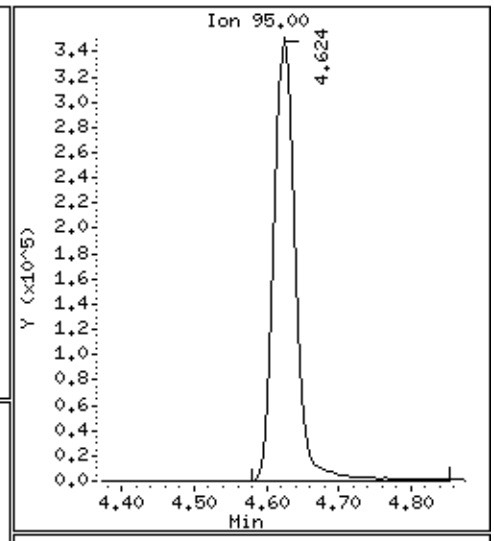
Review Code:

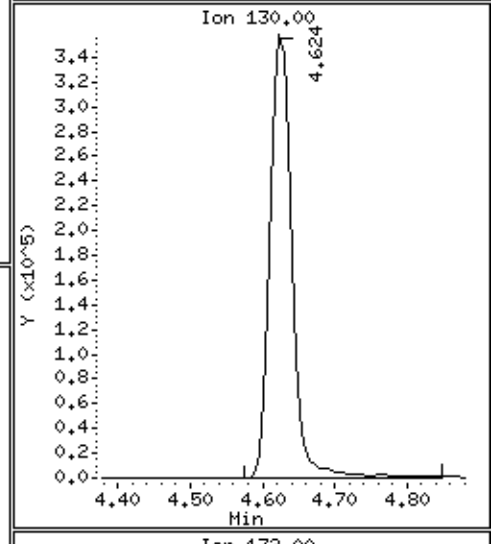


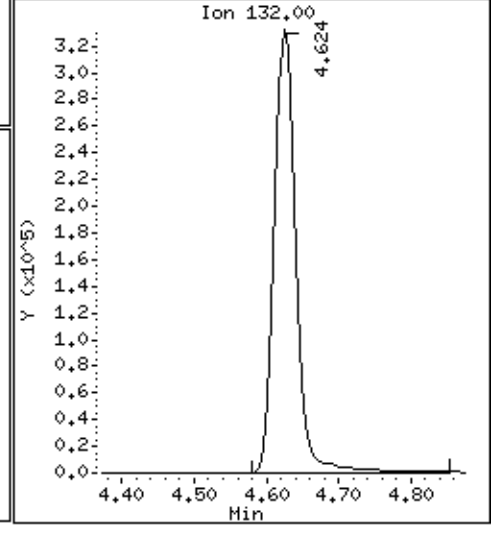












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d13.d

Date : 07-OCT-2016 07:25

Client ID: MW-0621-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366025x10

Purge Volume: 5.0

Operator: jlz

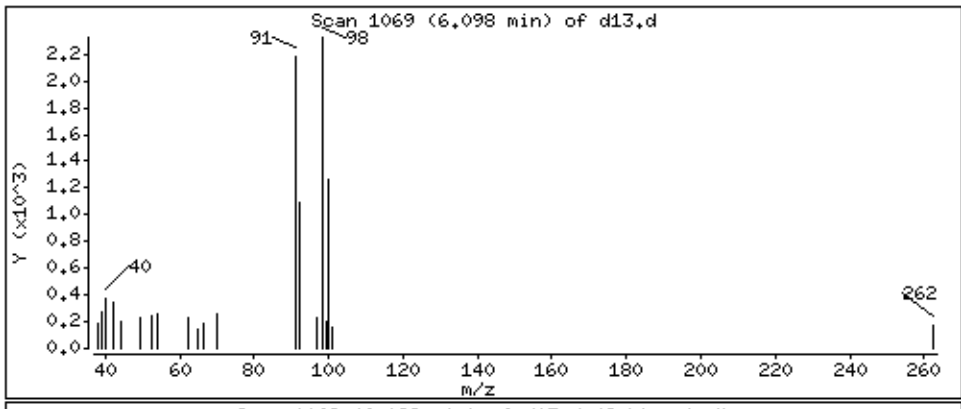
Column phase: DB-624

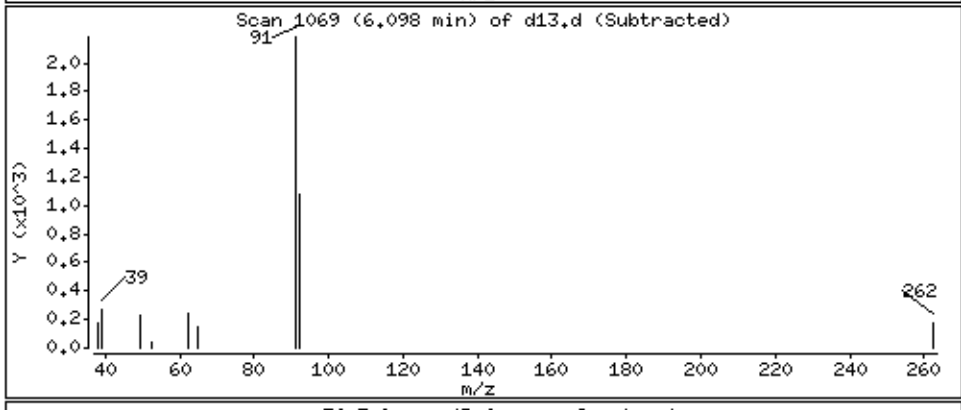
Column diameter: 0.18

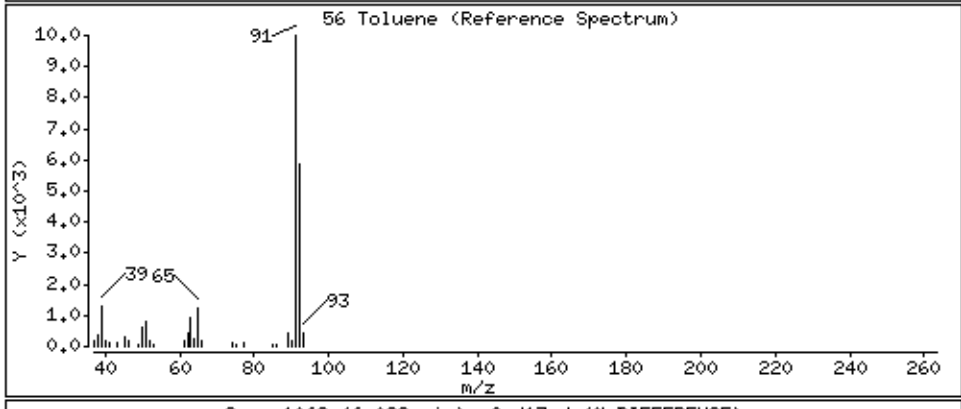
56 Toluene

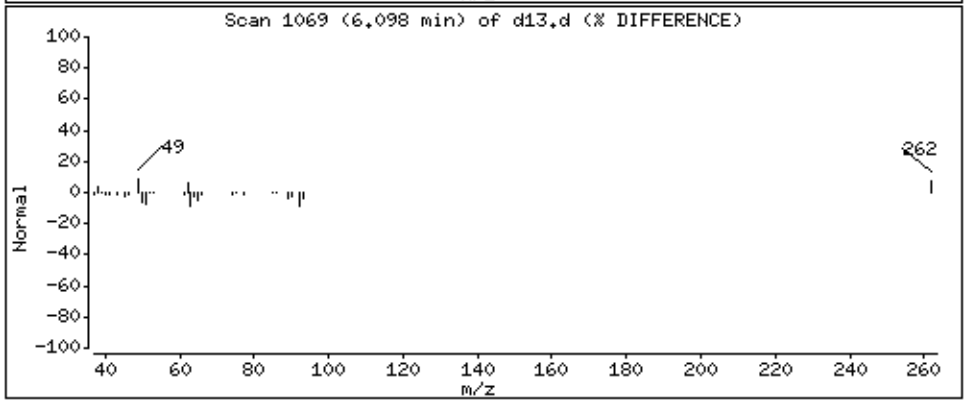
Concentration: 2.99 ppb

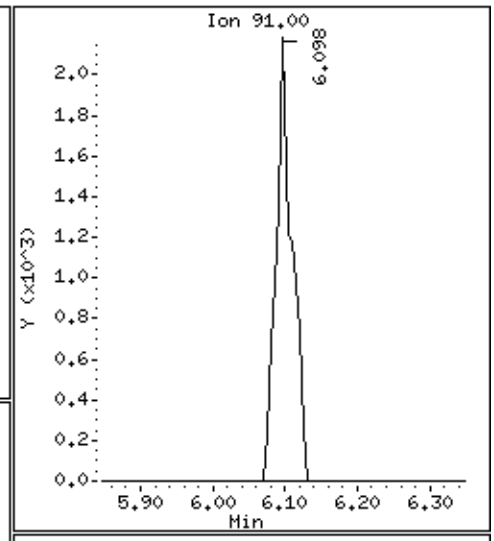
Review Code:

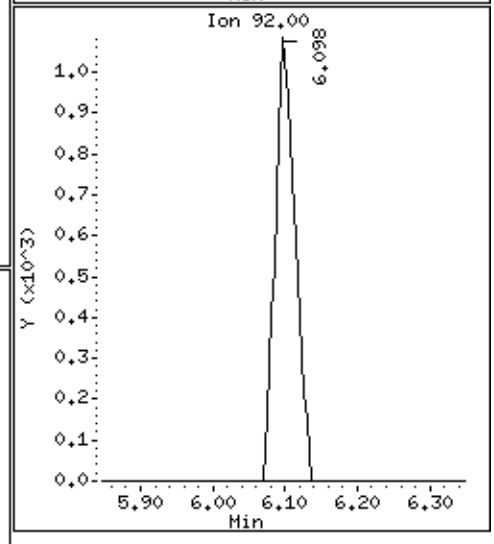












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d13.d
Injection Date: 07-OCT-2016 07:25
Instrument: 50mv3b.i
Lab Sample ID: 50155366025
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0505-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 07:57 Lab Sample ID: 50155366026

Date Analyzed: 10/07/2016 07:57 Lab File ID: B100616.B\D14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	5.1	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0505-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 07:57 Lab Sample ID: 50155366026

Date Analyzed: 10/07/2016 07:57 Lab File ID: B100616.B\D14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	7.6	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d14.d
Lab Smp Id: 50155366026 Client Smp ID: MW-0505-S1(092716)P
Inj Date : 07-OCT-2016 07:57
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366026
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 76
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.612	1.610	(0.386)	19776	55.2360	55.2	
	18 Methylene Chloride	84	1.874	1.872	(0.449)	19077	7.70456	7.70	
	28 1,2-Dichloroethene (cis)	96	2.824	2.823	(0.676)	10790	5.11914	5.12(Q)	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	86951	48.7661	48.8	
*	44 Fluorobenzene (IS)	96	4.176	4.174	(1.000)	387270	50.0000		
	45 Trichloroethene	95	4.624	4.623	(1.107)	14856	7.63686	7.64	
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	382593	45.7993	45.8	
	56 Toluene	91	6.104	6.097	(0.831)	5624	0.54164	0.542	
*	65 Chlorobenzene-D5 (IS)	117	7.343	7.347	(1.000)	282775	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.112)	134341	51.0891	51.1	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.842	(1.000)	134610	50.0000		

QC Flag Legend

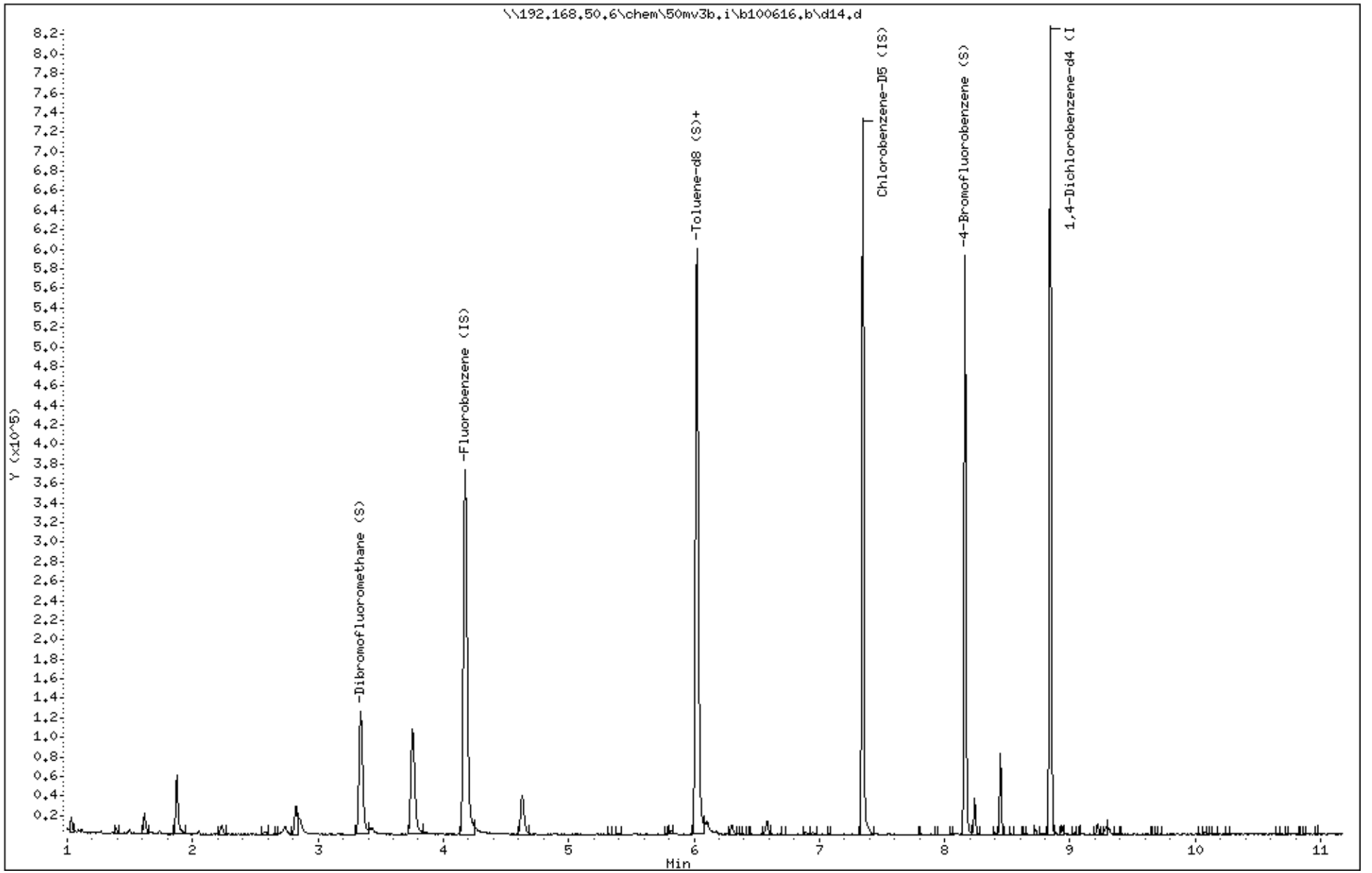
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d14.d
Date : 07-OCT-2016 07:57
Client ID: MW-0505-S1(092716)P
Sample Info: 50155366026
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d14.d

Date : 07-OCT-2016 07:57

Client ID: MW-0505-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366026

Purge Volume: 5.0

Operator: jlz

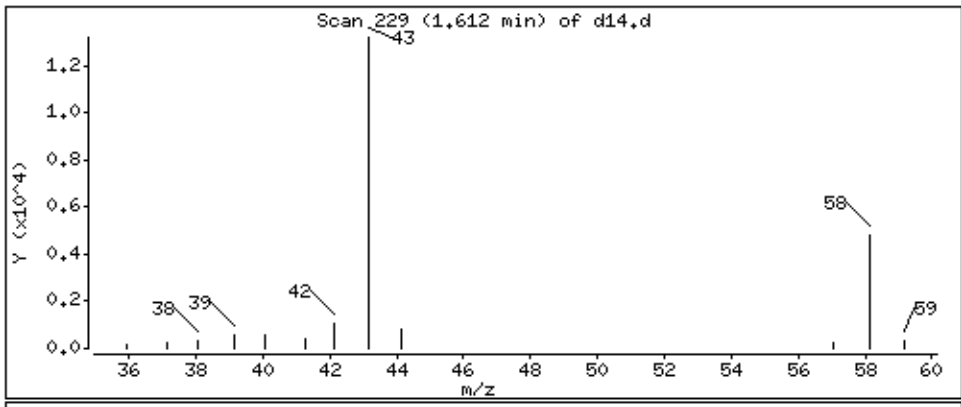
Column phase: DB-624

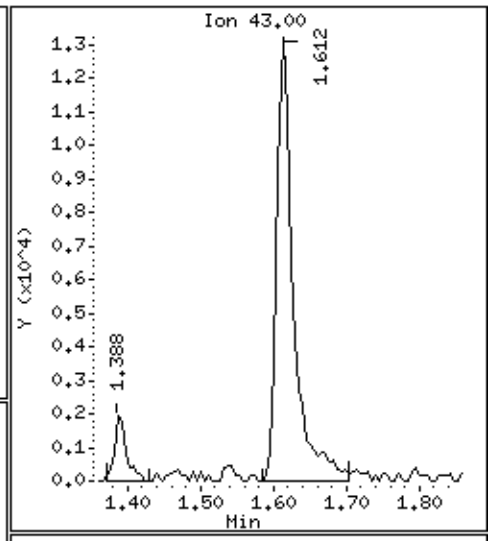
Column diameter: 0.18

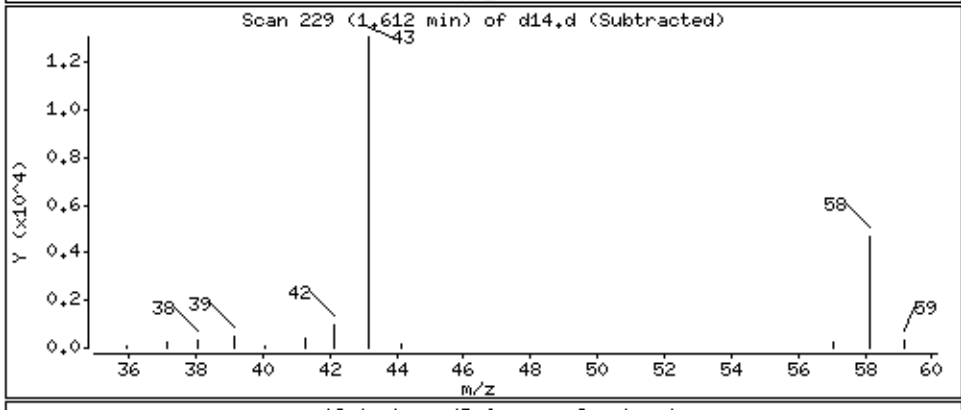
12 Acetone

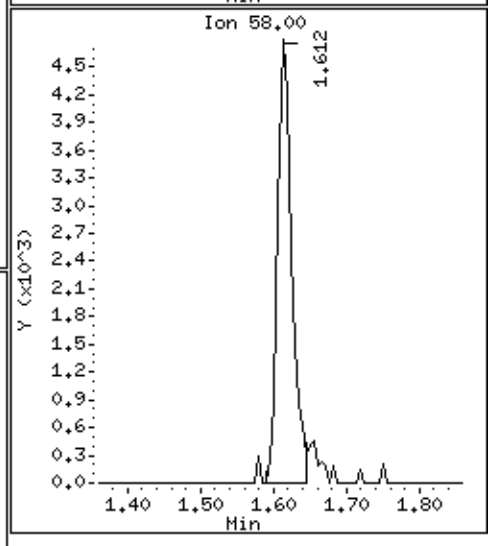
Concentration: 55.2 ppb

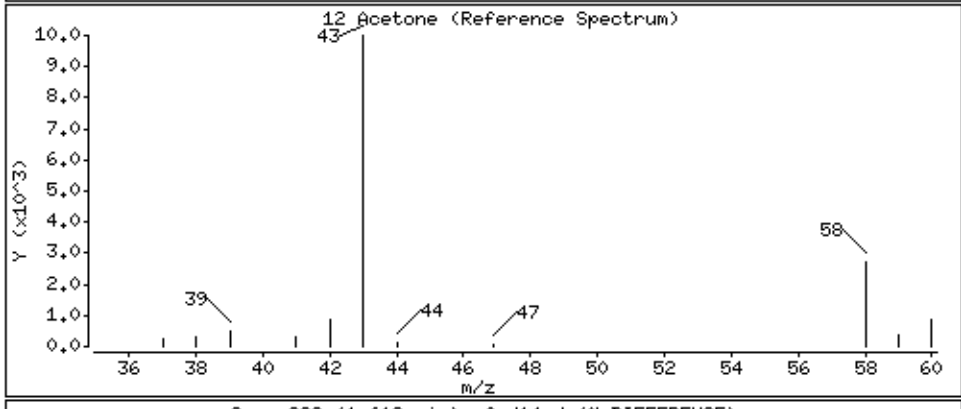
Review Code:

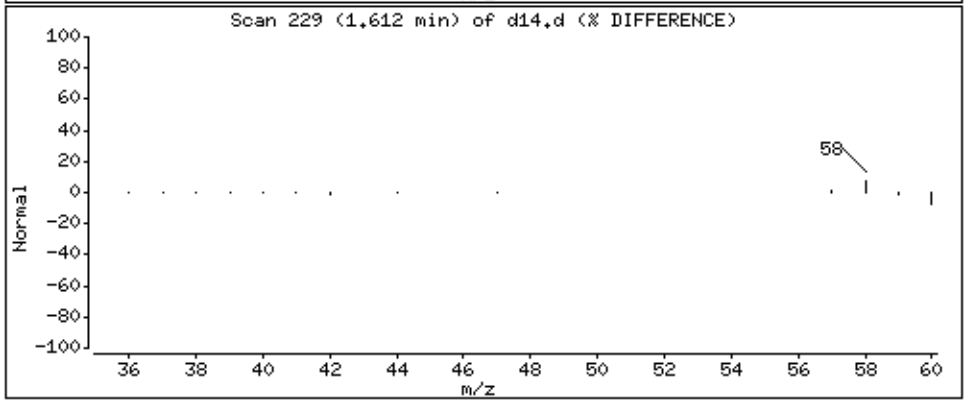












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d14.d

Date : 07-OCT-2016 07:57

Client ID: MW-0505-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366026

Purge Volume: 5.0

Operator: jlz

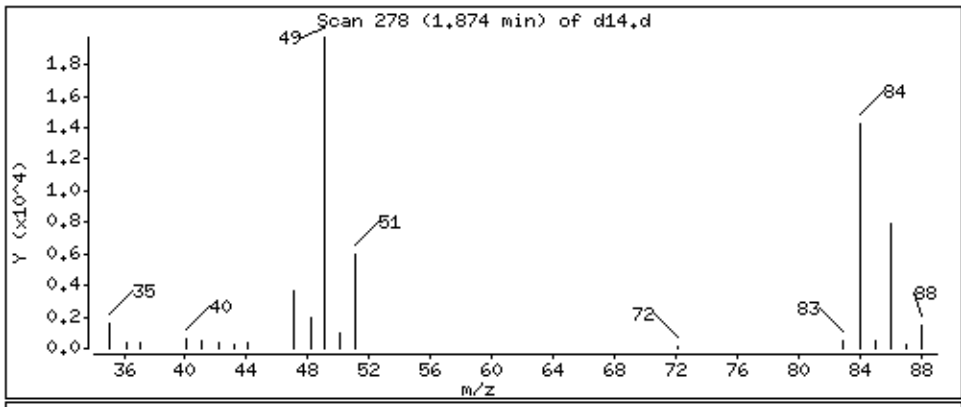
Column phase: DB-624

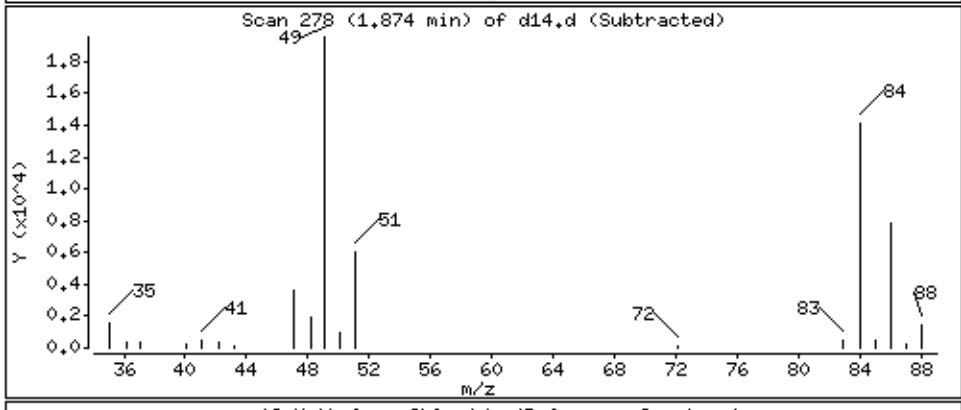
Column diameter: 0.18

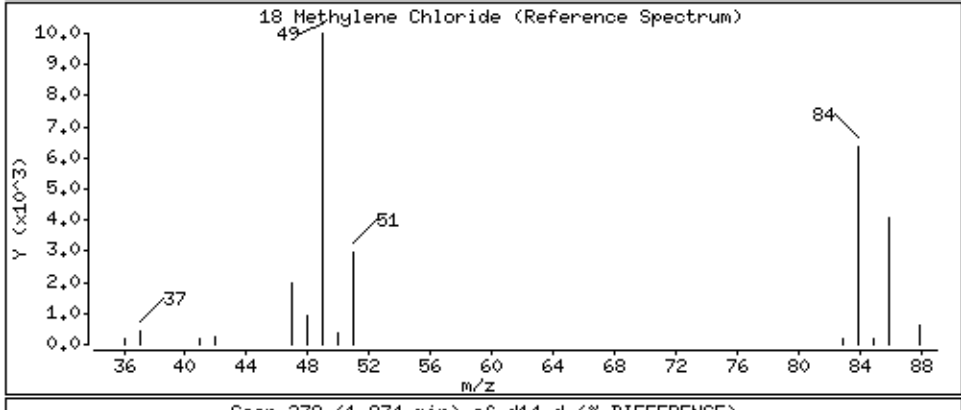
18 Methylene Chloride

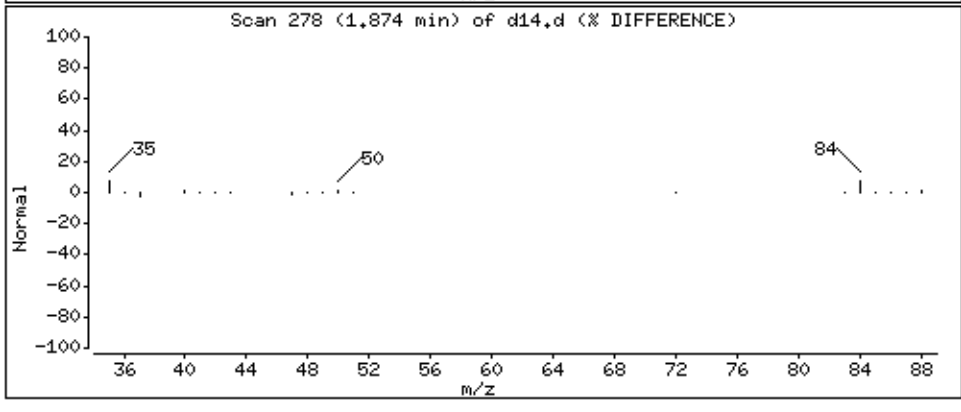
Concentration: 7.70 ppb

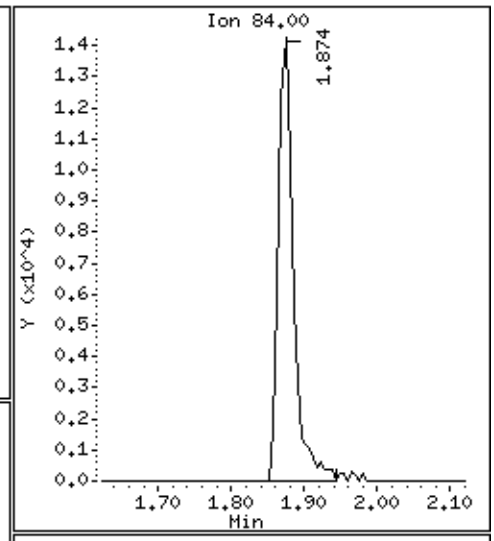
Review Code:

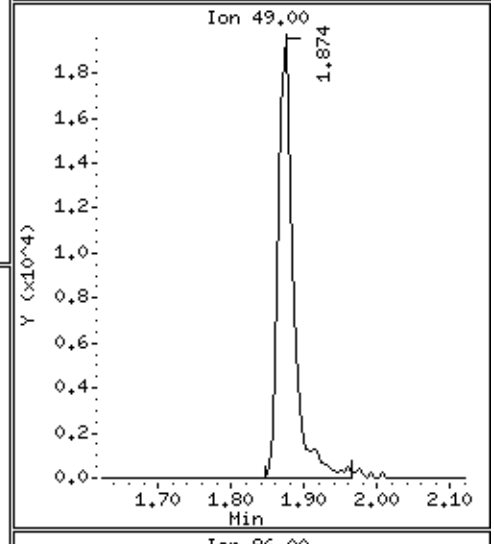


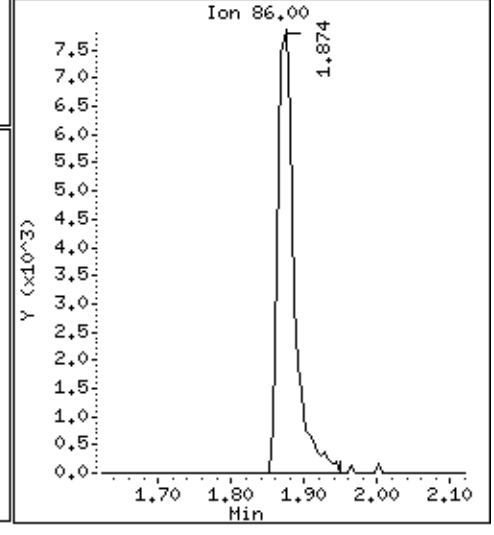












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d14.d

Date : 07-OCT-2016 07:57

Client ID: MW-0505-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366026

Purge Volume: 5.0

Operator: jlz

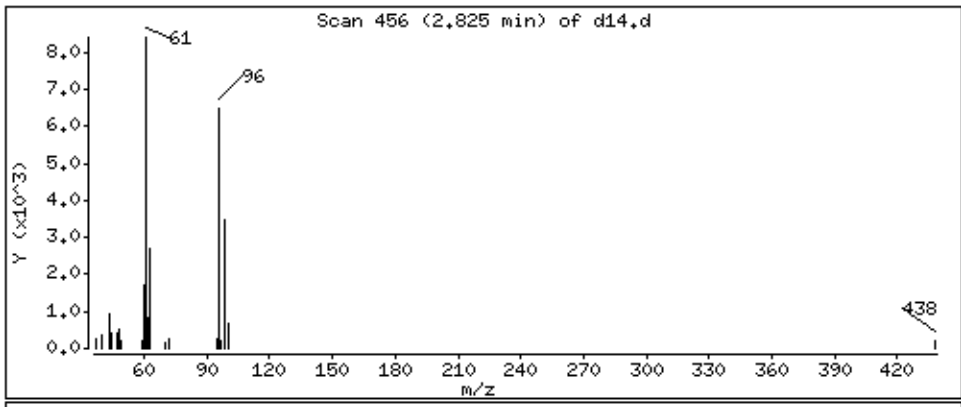
Column phase: DB-624

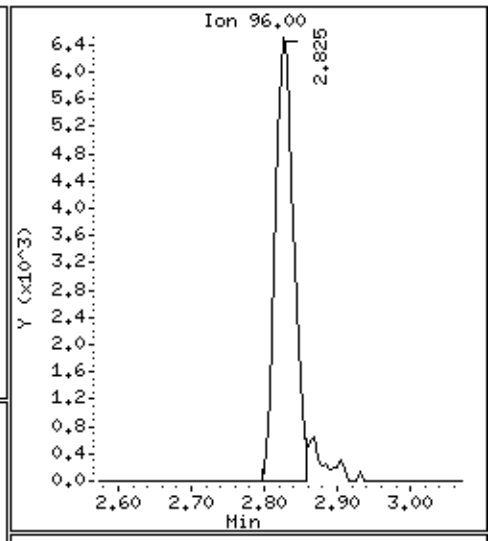
Column diameter: 0.18

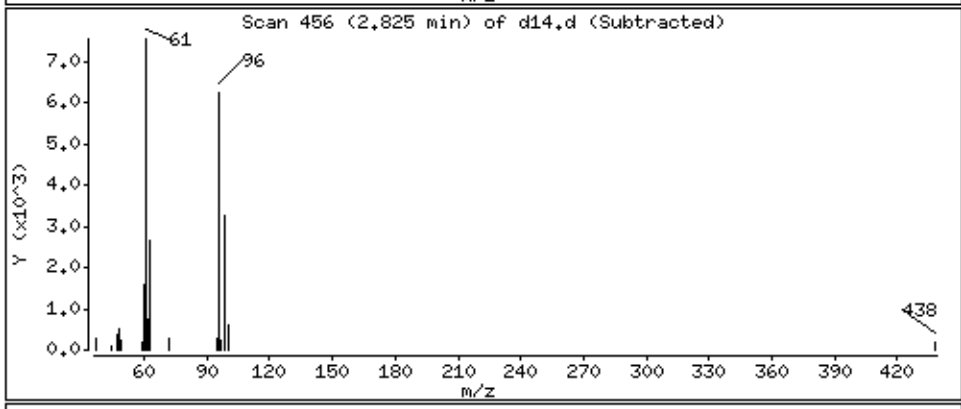
28 1,2-Dichloroethene (cis)

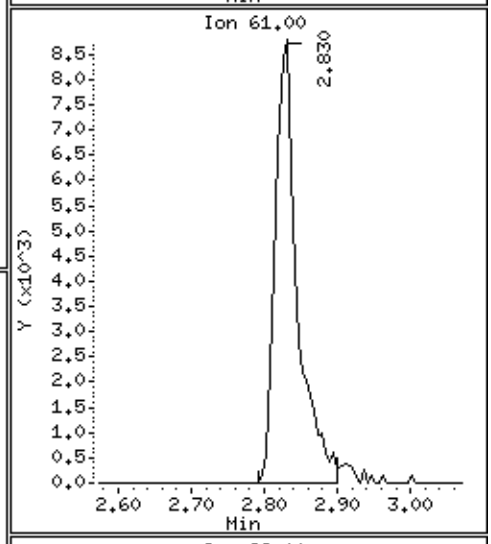
Concentration: 5.12 ppb

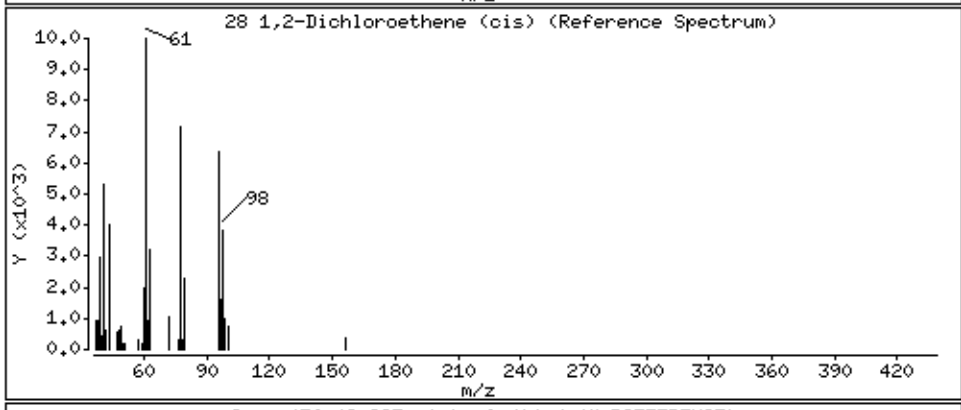
Review Code:

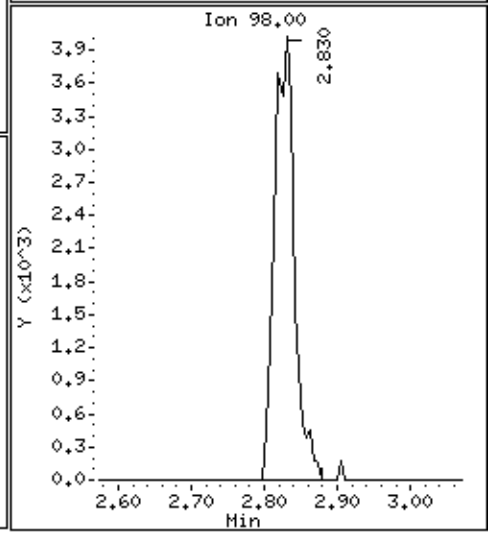


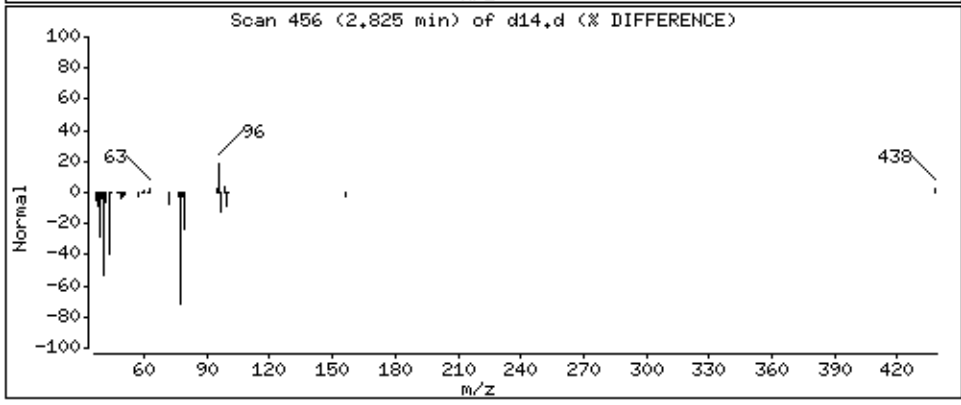












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d14.d

Date : 07-OCT-2016 07:57

Client ID: MW-0505-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366026

Purge Volume: 5.0

Operator: jlz

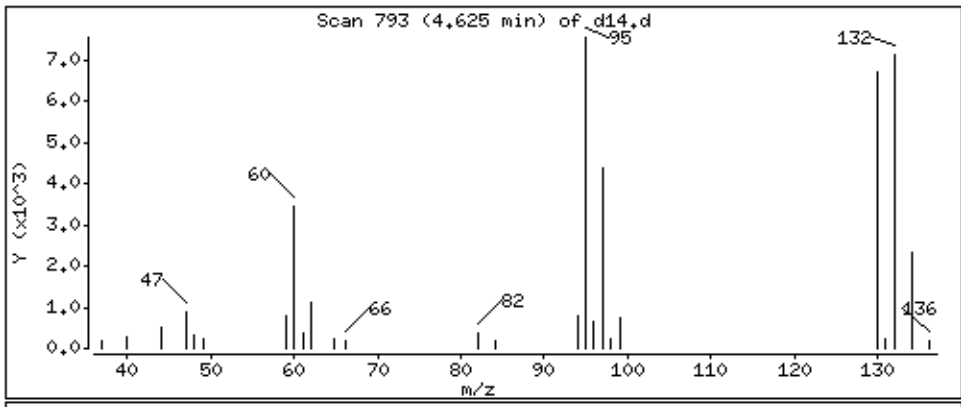
Column phase: DB-624

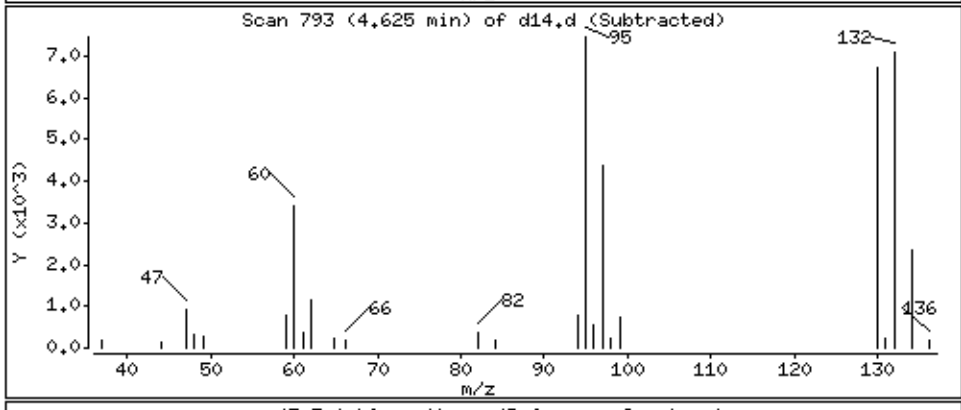
Column diameter: 0.18

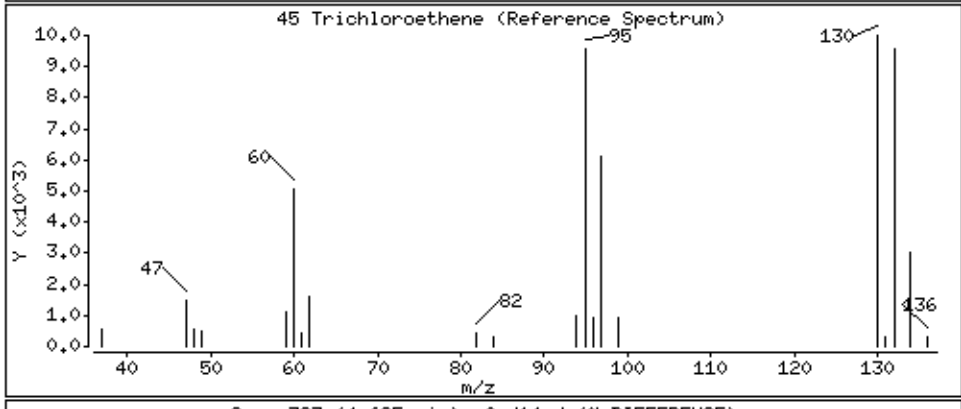
45 Trichloroethene

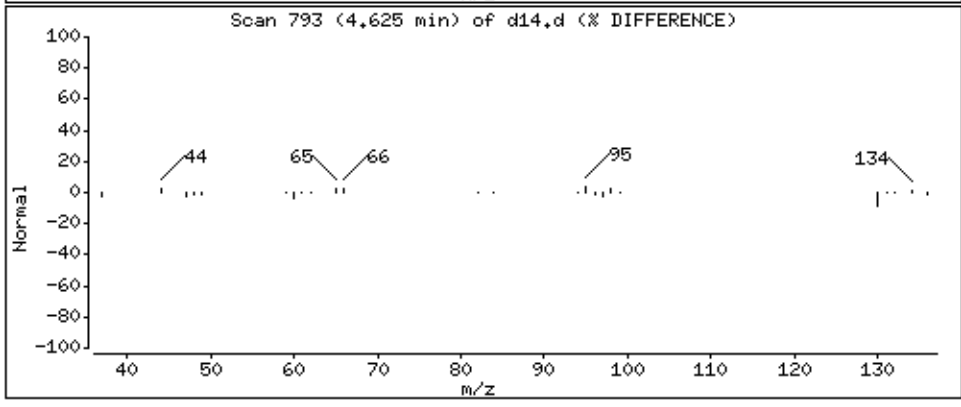
Concentration: 7.64 ppb

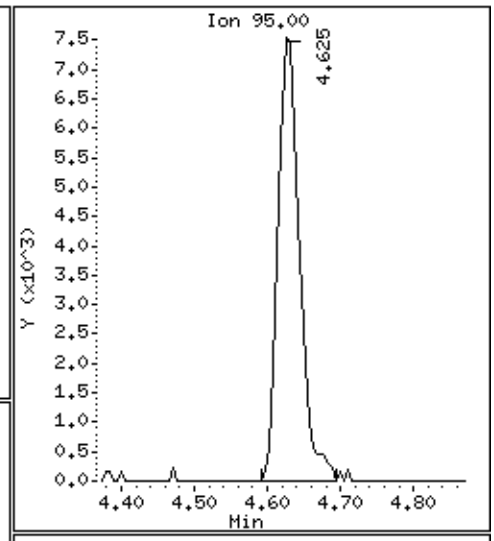
Review Code:

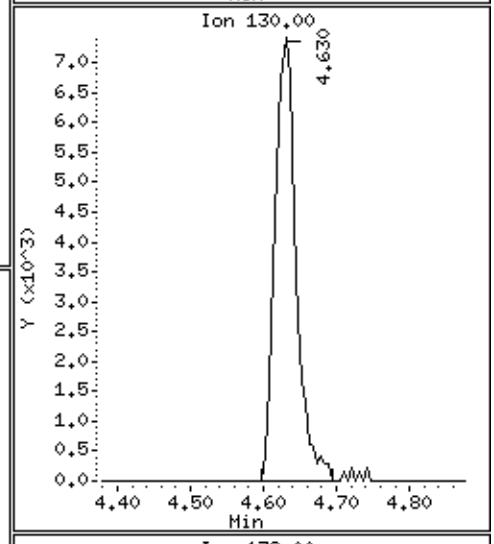


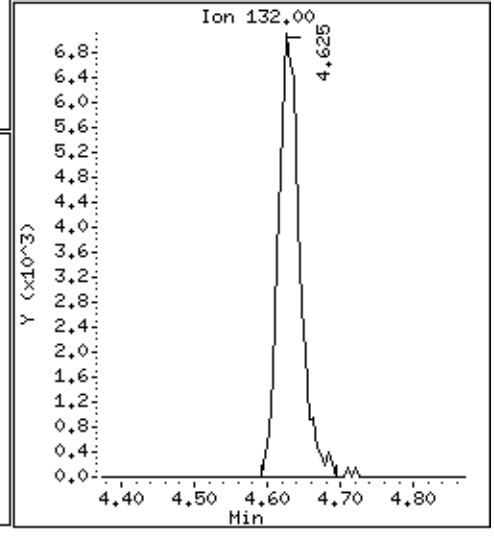












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d14.d

Date : 07-OCT-2016 07:57

Client ID: MW-0505-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366026

Purge Volume: 5.0

Operator: jlz

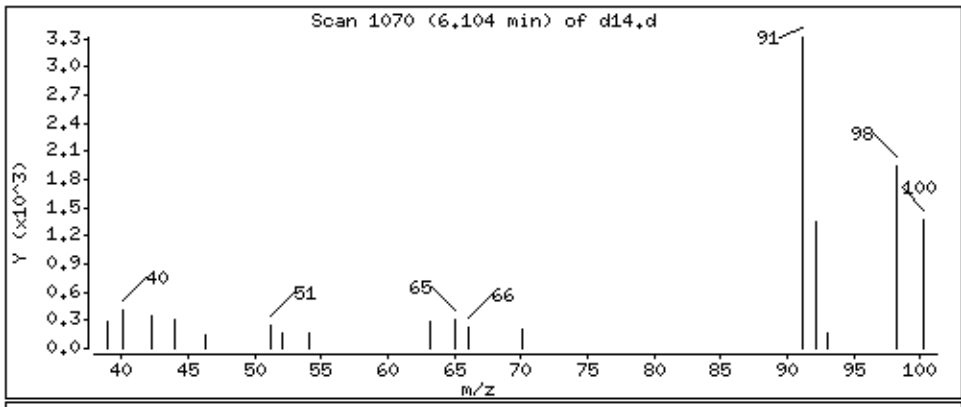
Column phase: DB-624

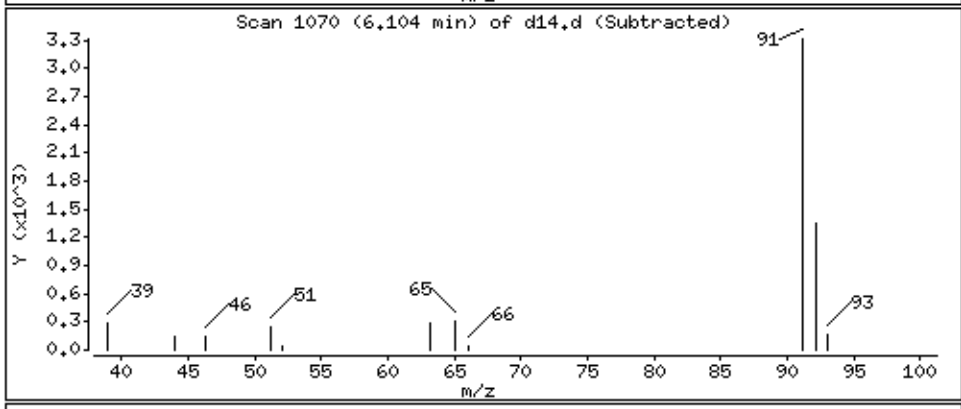
Column diameter: 0.18

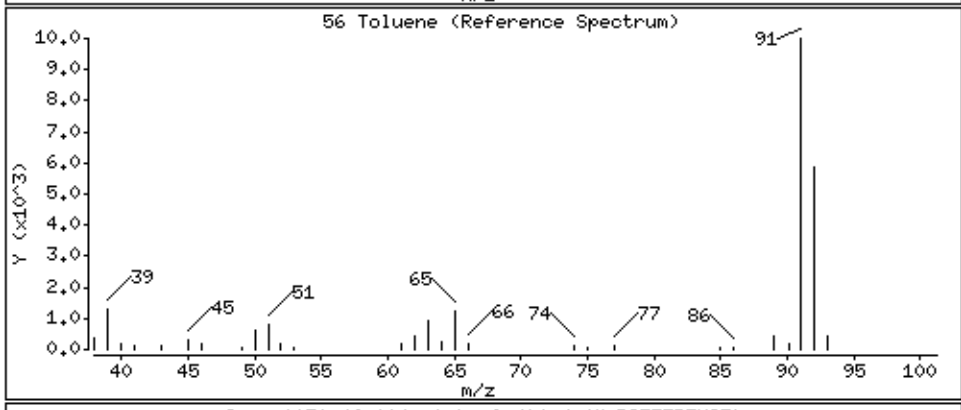
56 Toluene

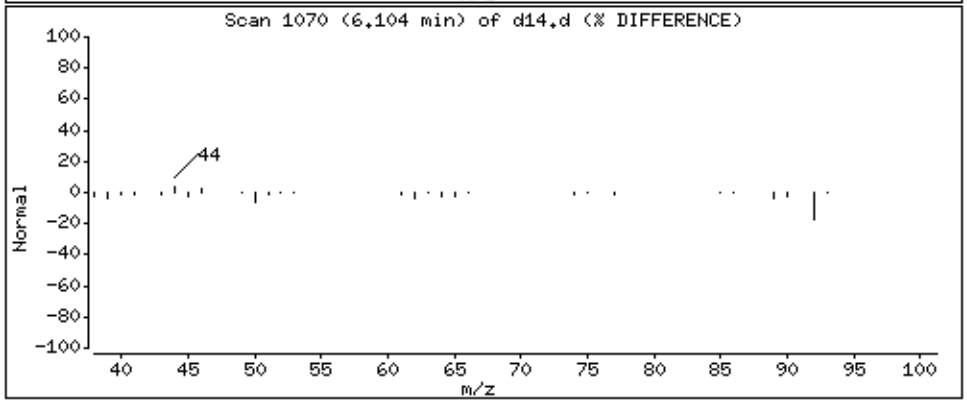
Concentration: 0.542 ppb

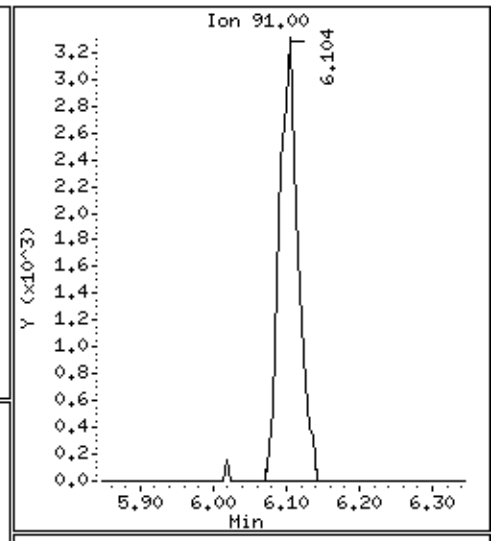
Review Code:

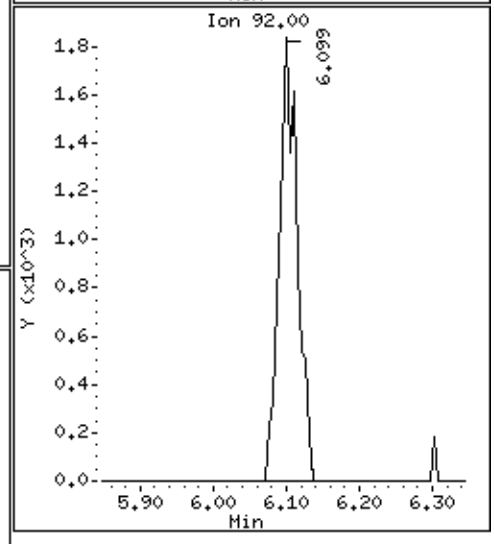












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d14.d
Injection Date: 07-OCT-2016 07:57
Instrument: 50mv3b.i
Lab Sample ID: 50155366026
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0504-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 08:29 Lab Sample ID: 50155366027

Date Analyzed: 10/07/2016 08:29 Lab File ID: B100616.B\D15.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	661	
156-60-5	trans-1,2-Dichloroethene	105	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	111	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0504-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 08:29 Lab Sample ID: 50155366027

Date Analyzed: 10/07/2016 08:29 Lab File ID: B100616.B\D15.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	2620	
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d
Lab Smp Id: 50155366027 Client Smp ID: MW-0504-S1(092716)P
Inj Date : 07-OCT-2016 08:29
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366027x10
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 78
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
3 Vinyl Chloride	62	1.042	1.044	(0.250)	4225	1.44431	14.4	
18 Methylene Chloride	84	1.875	1.872	(0.450)	25505	11.1291	111	
22 1,2-Dichloroethene (trans)	96	2.046	2.048	(0.490)	20983	10.5162	105	
28 1,2-Dichloroethene (cis)	96	2.820	2.823	(0.676)	139621	66.0743	661(Q)	
$ 35 Dibromofluoromethane (S)	113	3.339	3.341	(0.800)	89997	50.3474	50.3	
* 44 Fluorobenzene (IS)	96	4.172	4.174	(1.000)	388247	50.0000		
45 Trichloroethene	95	4.626	4.623	(1.109)	510740	261.890	2620	
$ 55 Toluene-d8 (S)	98	6.020	6.022	(0.820)	390496	46.5597	46.6	
56 Toluene	91	6.100	6.097	(0.831)	3094	0.29680	2.97	
* 65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	283903	50.0000		
$ 74 4-Bromofluorobenzene (S)	95	8.162	8.164	(1.111)	133341	50.5073	50.5	
* 88 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.842	(1.000)	131911	50.0000		

QC Flag Legend

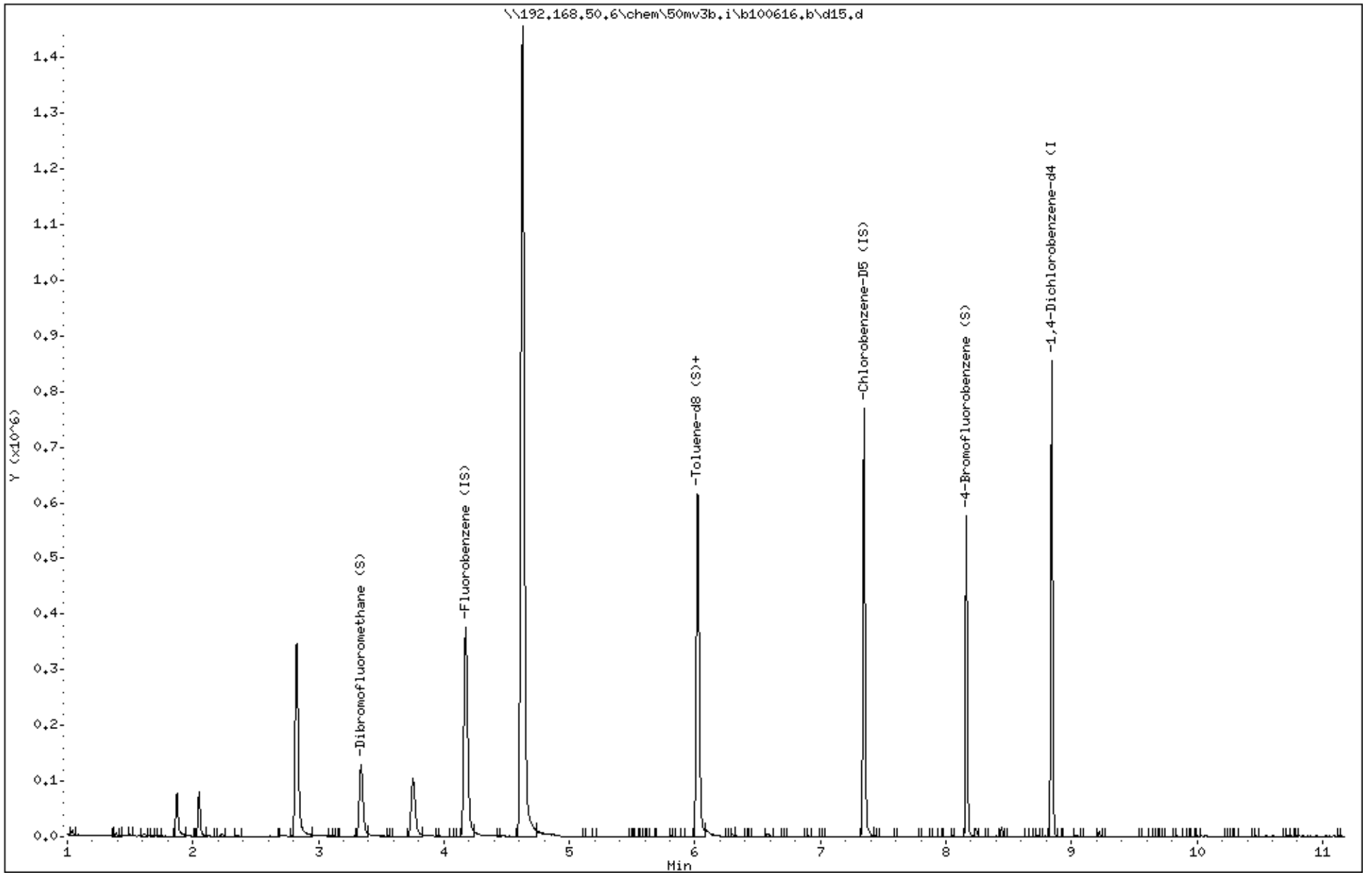
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d
Date : 07-OCT-2016 08:29
Client ID: MW-0504-S1(092716)P
Sample Info: 50155366027x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d

Date : 07-OCT-2016 08:29

Client ID: MW-0504-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366027x10

Purge Volume: 5.0

Operator: jlz

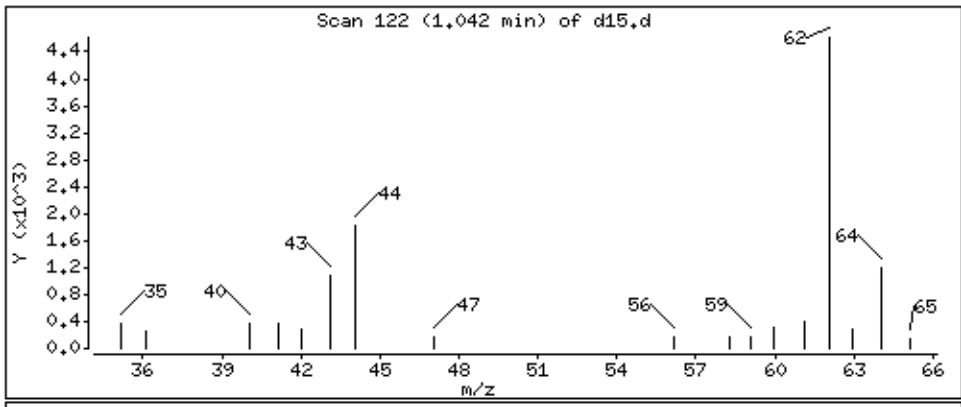
Column phase: DB-624

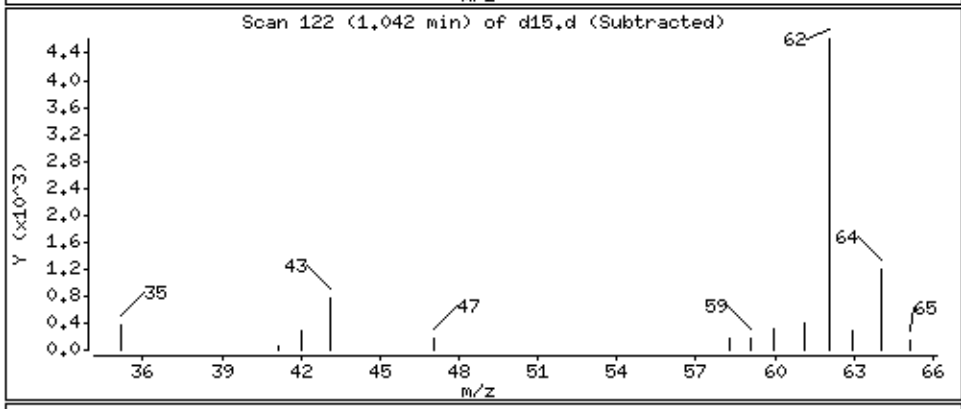
Column diameter: 0.18

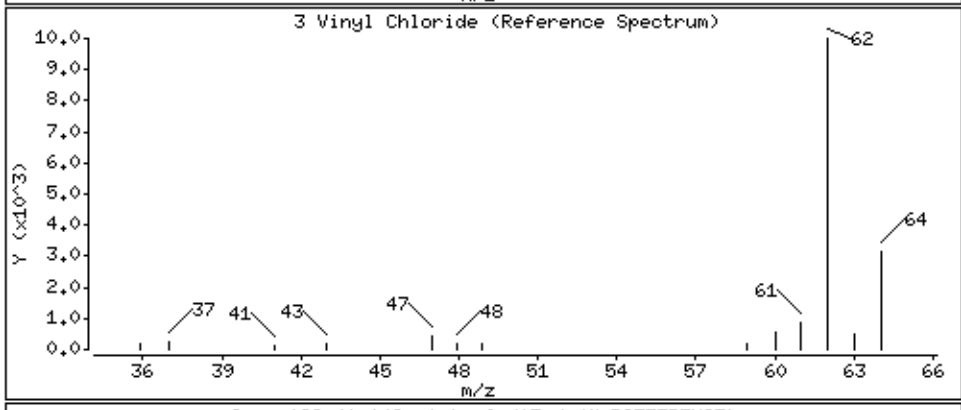
3 Vinyl Chloride

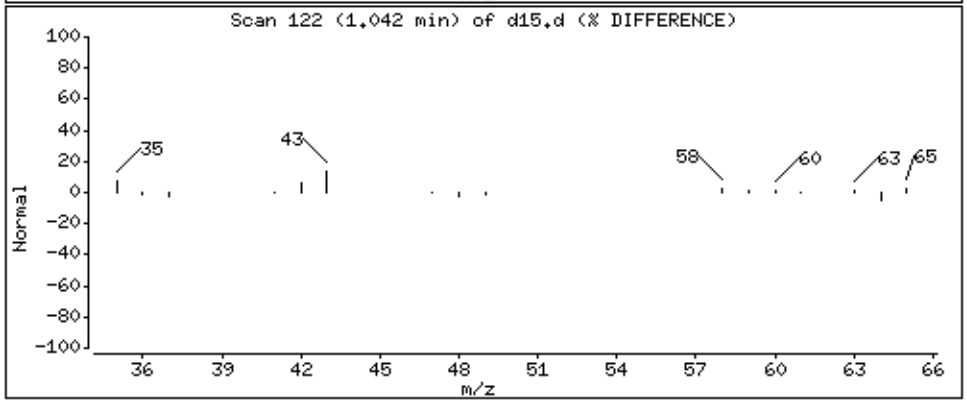
Concentration: 14.4 ppb

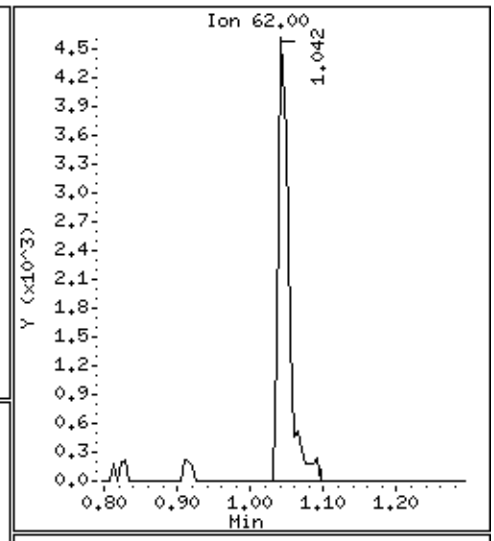
Review Code:

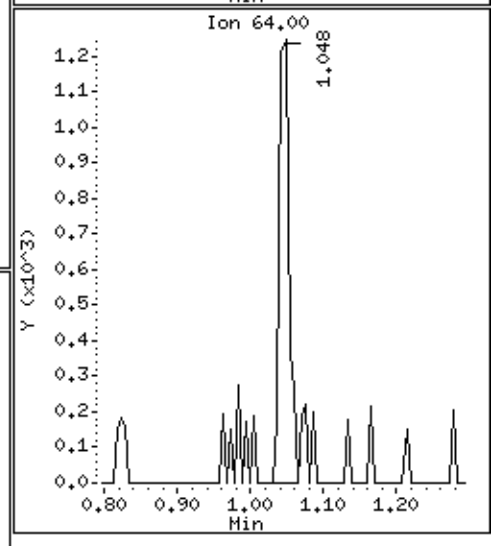












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d

Date : 07-OCT-2016 08:29

Client ID: MW-0504-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366027x10

Purge Volume: 5.0

Operator: jlz

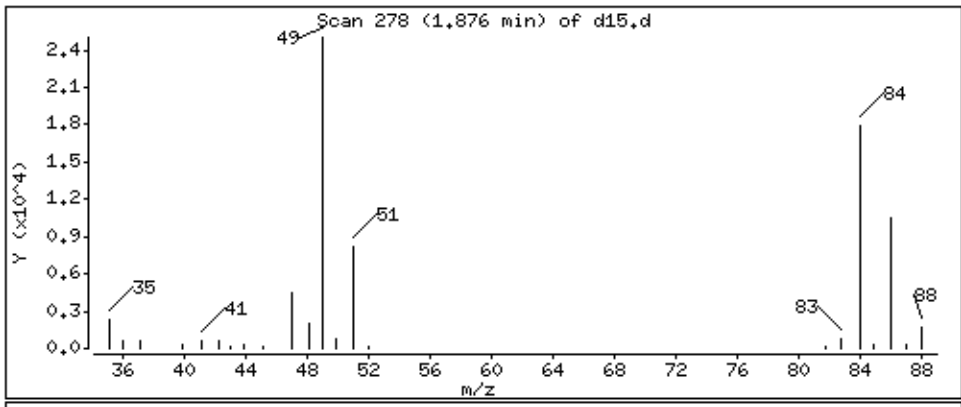
Column phase: DB-624

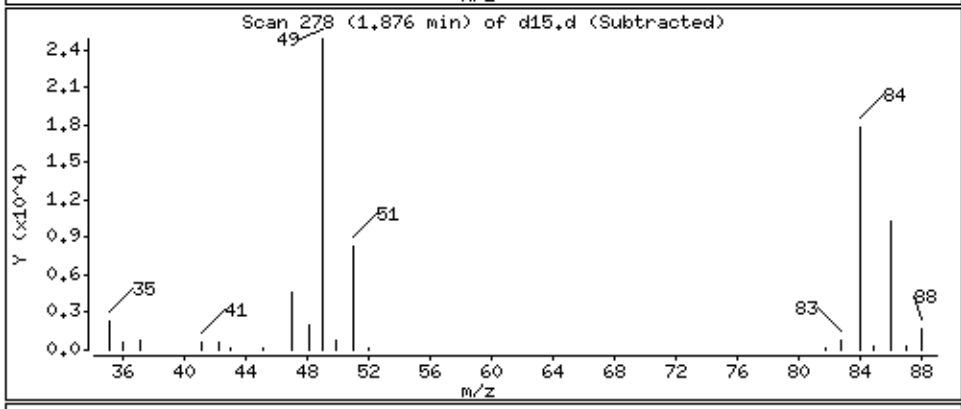
Column diameter: 0.18

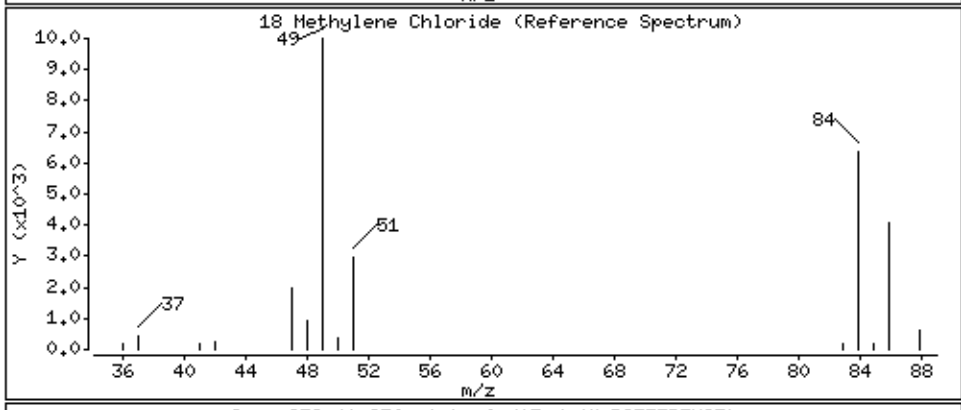
18 Methylene Chloride

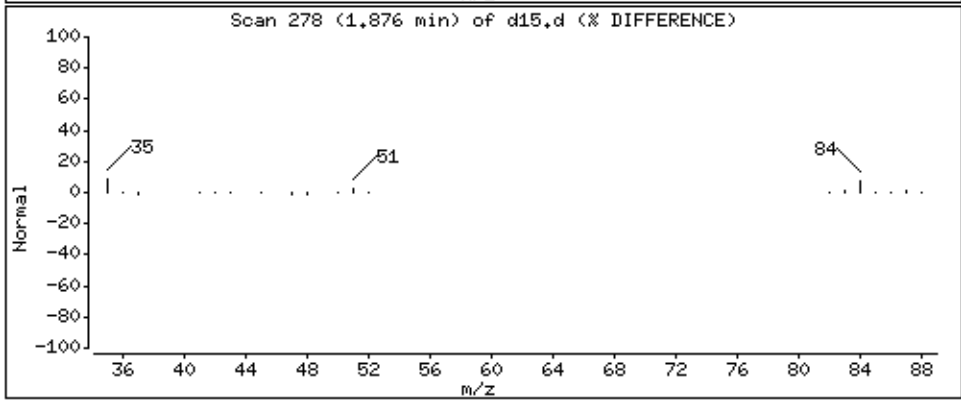
Concentration: 111 ppb

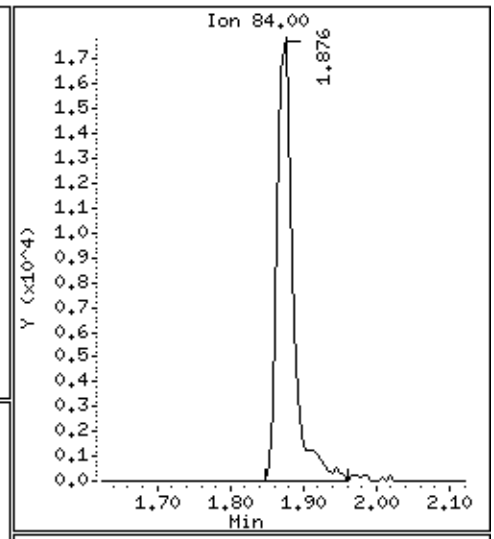
Review Code:

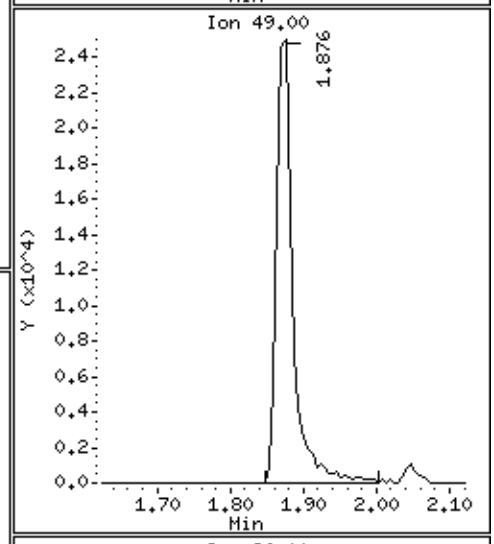


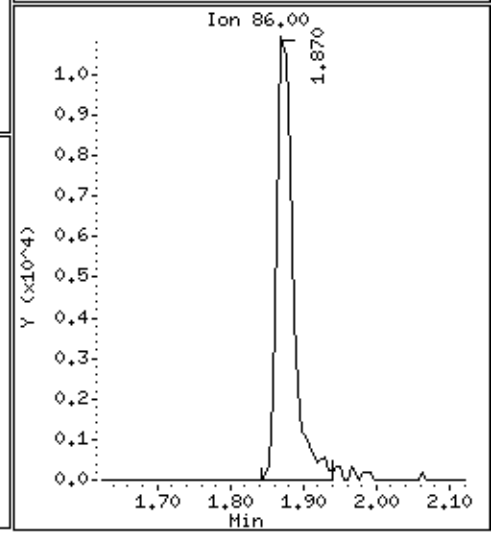












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d

Date : 07-OCT-2016 08:29

Client ID: MW-0504-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366027x10

Purge Volume: 5.0

Operator: jlz

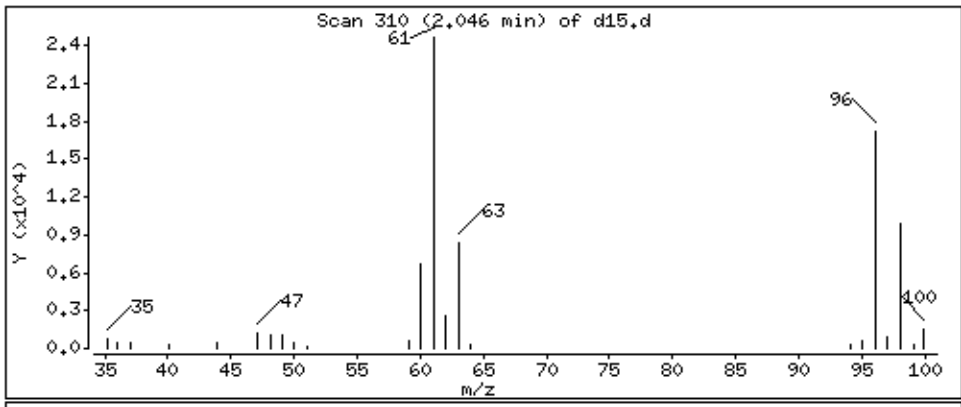
Column phase: DB-624

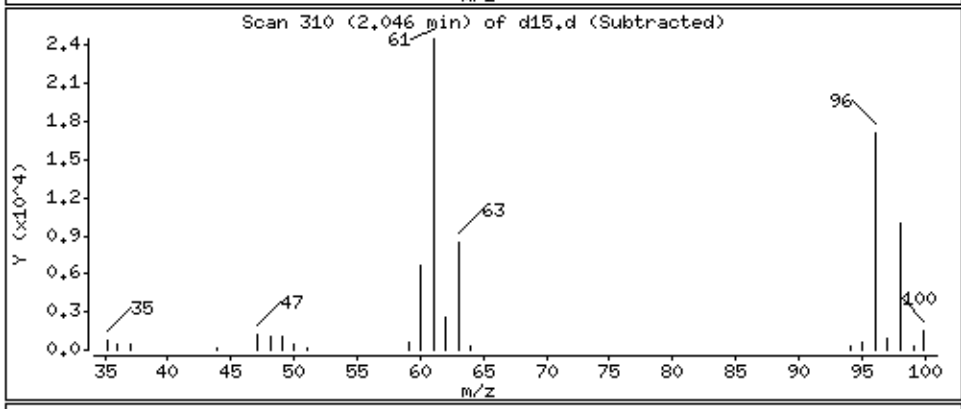
Column diameter: 0.18

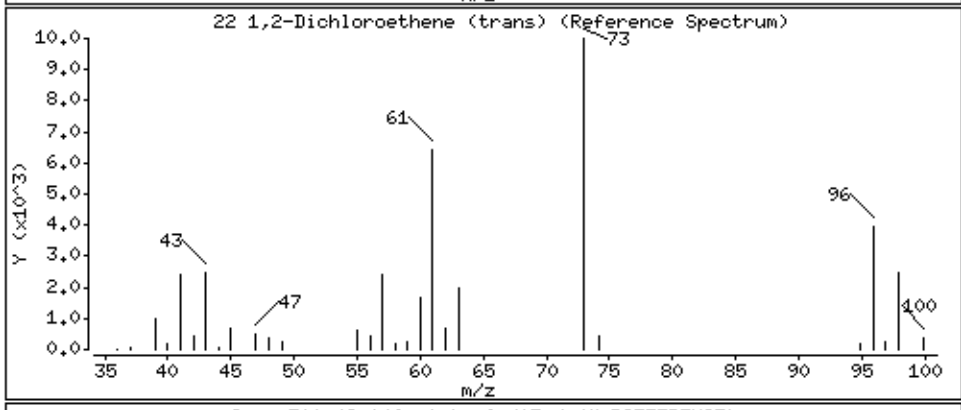
22 1,2-Dichloroethene (trans)

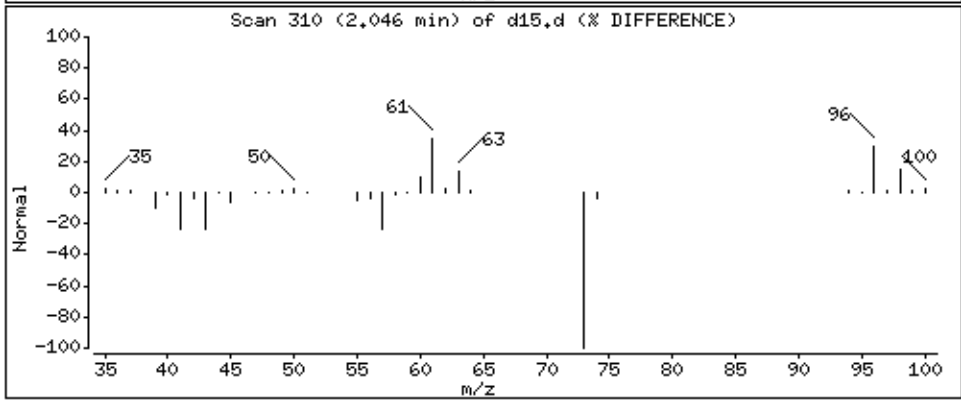
Concentration: 105 ppb

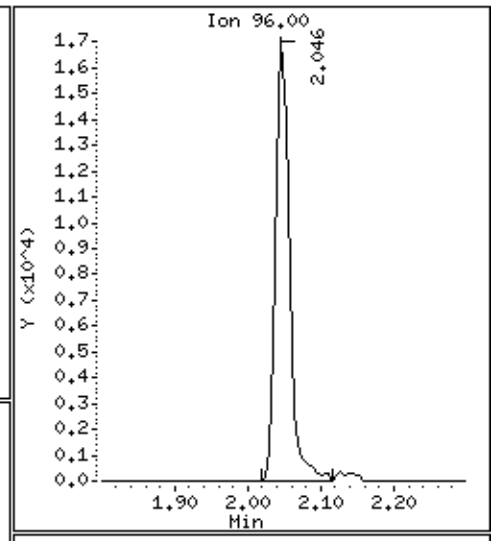
Review Code:

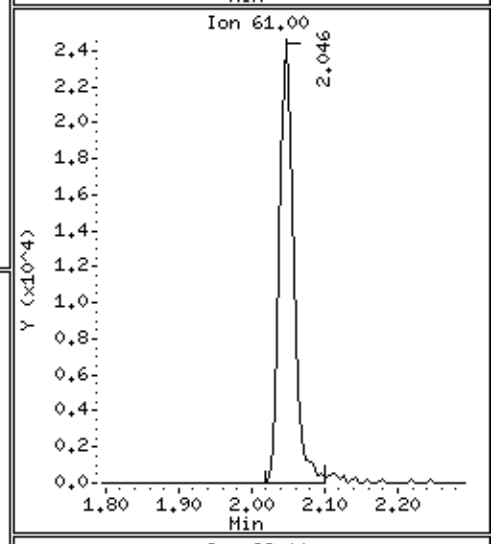


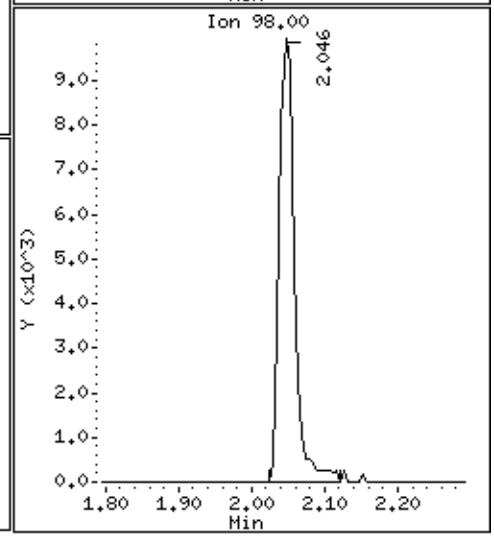












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d

Date : 07-OCT-2016 08:29

Client ID: MW-0504-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366027x10

Purge Volume: 5.0

Operator: jlz

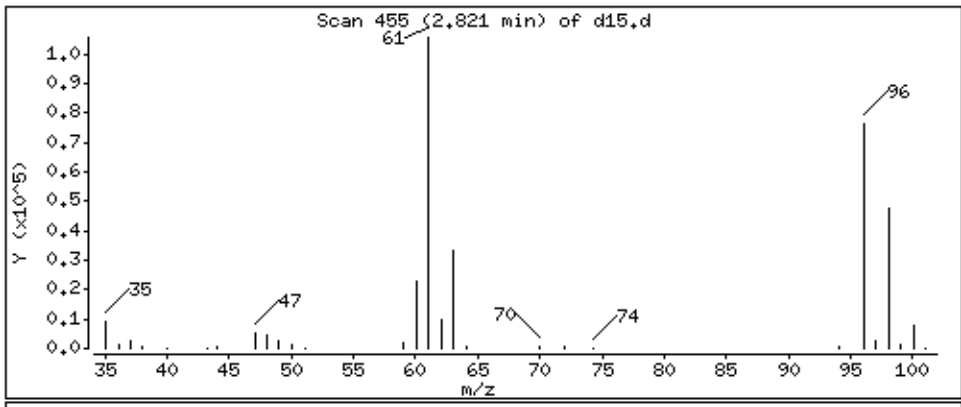
Column phase: DB-624

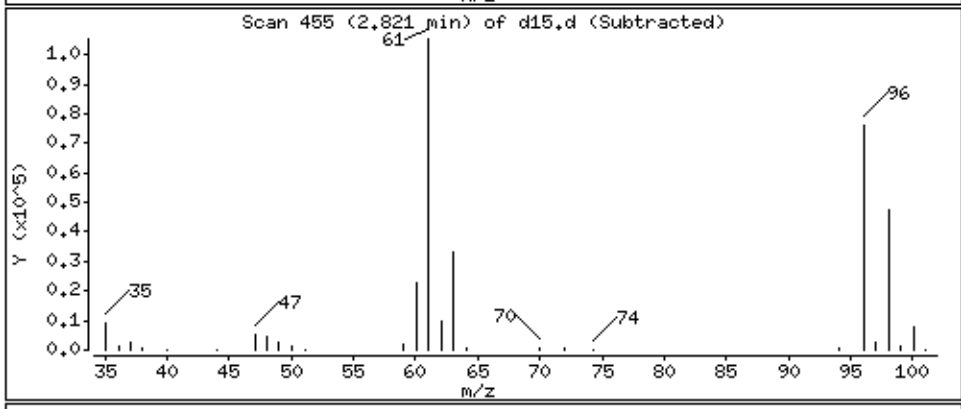
Column diameter: 0.18

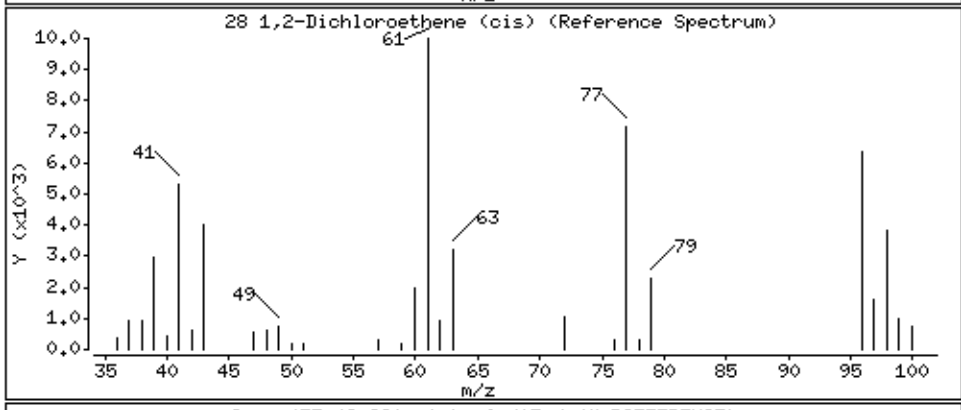
28 1,2-Dichloroethene (cis)

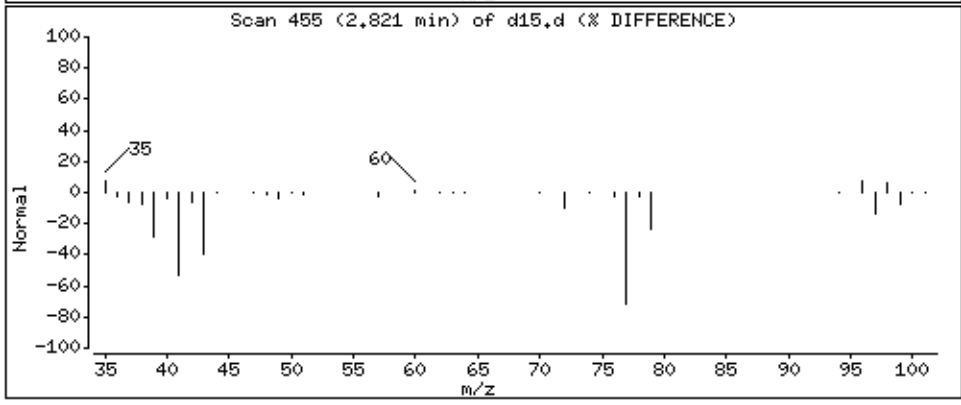
Concentration: 661 ppb

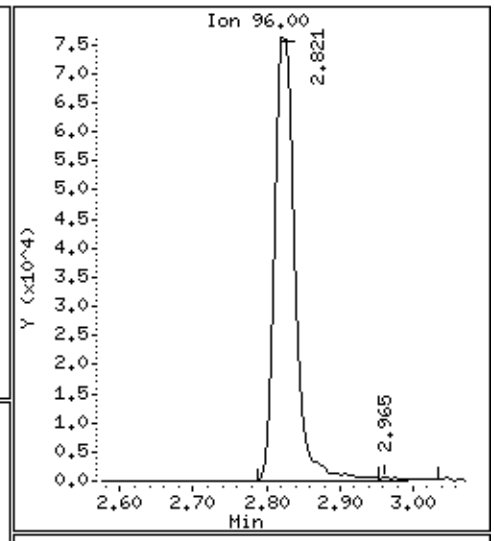
Review Code:

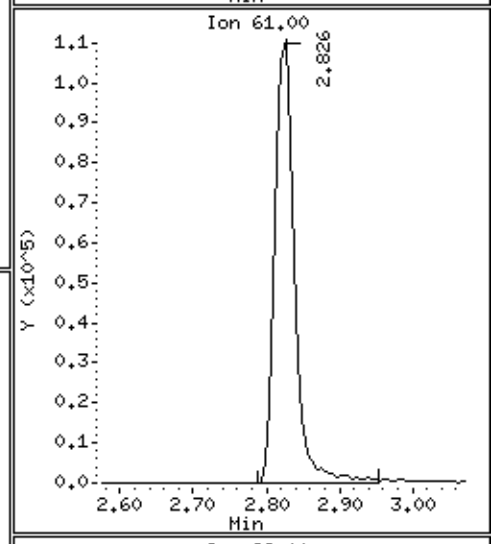


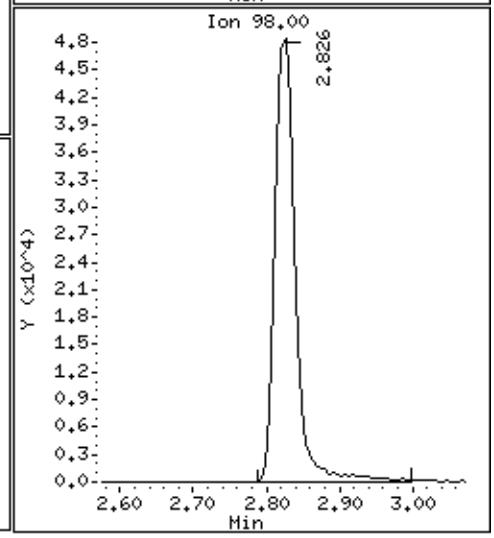












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d

Date : 07-OCT-2016 08:29

Client ID: MW-0504-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366027x10

Purge Volume: 5.0

Operator: jlz

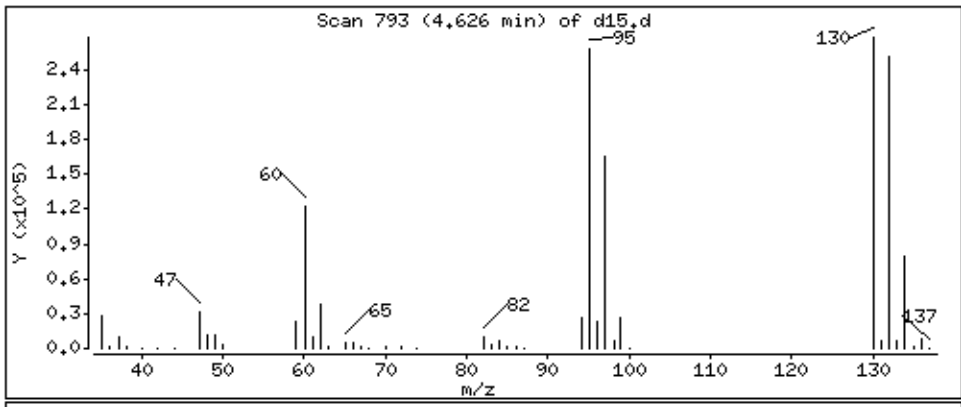
Column phase: DB-624

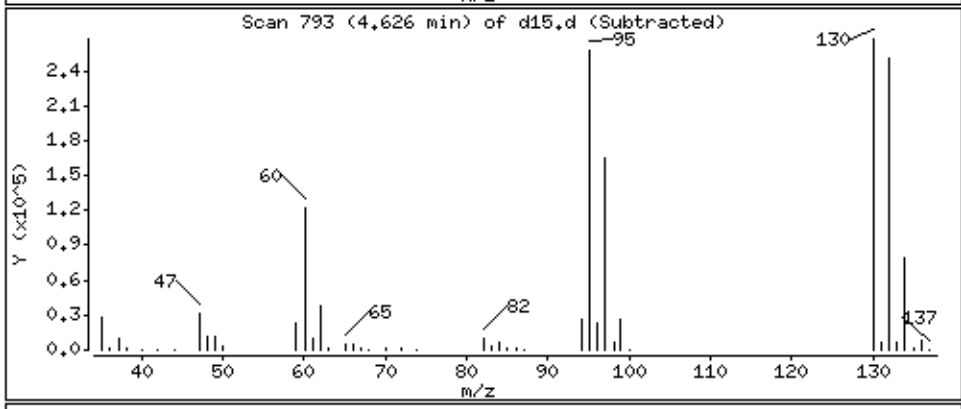
Column diameter: 0.18

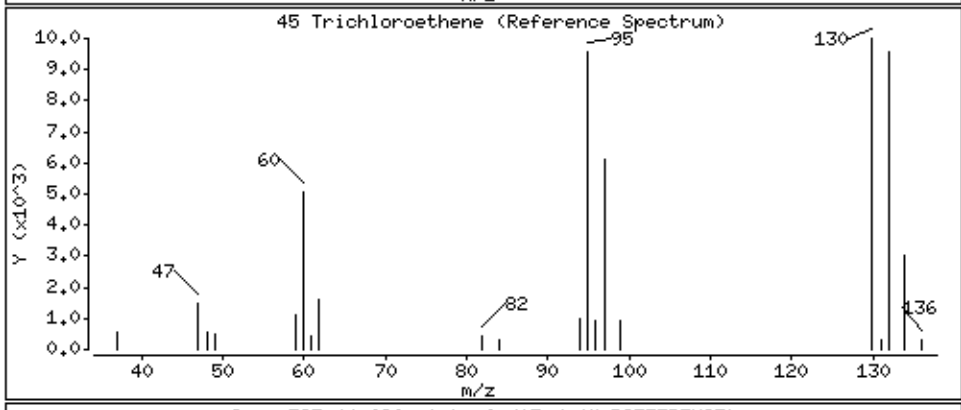
45 Trichloroethene

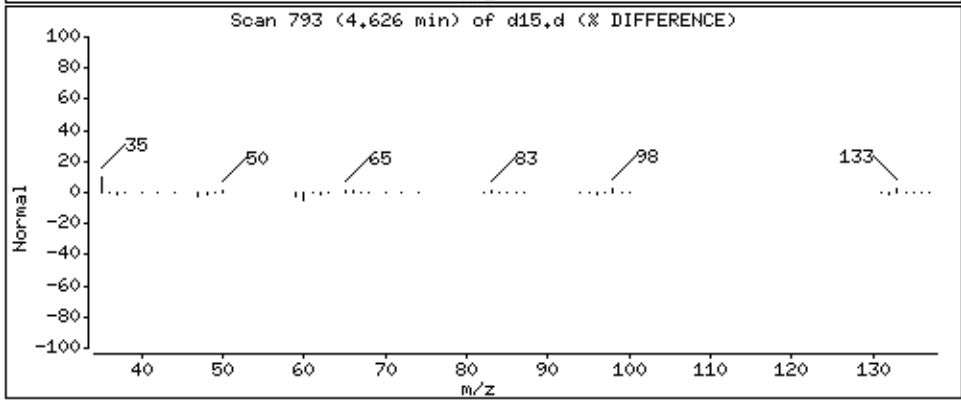
Concentration: 2620 ppb

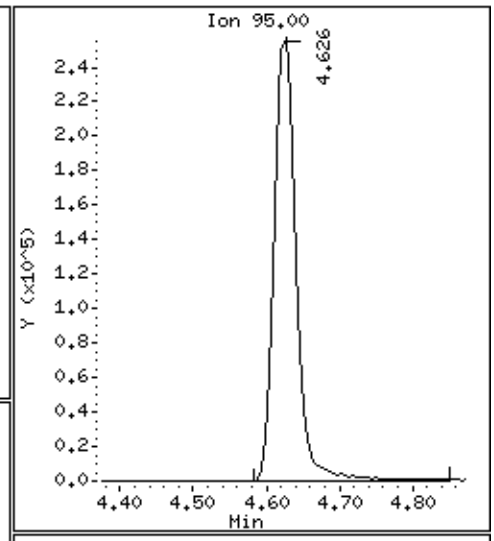
Review Code:

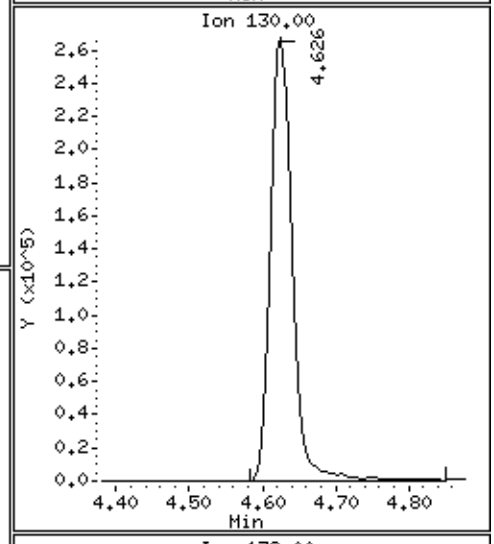


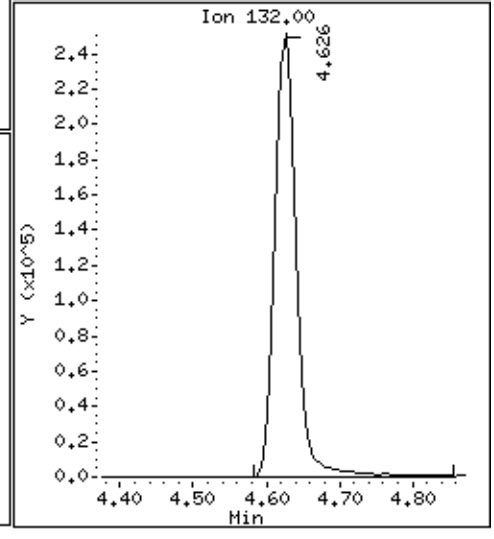












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d15.d

Date : 07-OCT-2016 08:29

Client ID: MW-0504-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 50155366027x10

Purge Volume: 5.0

Operator: jlz

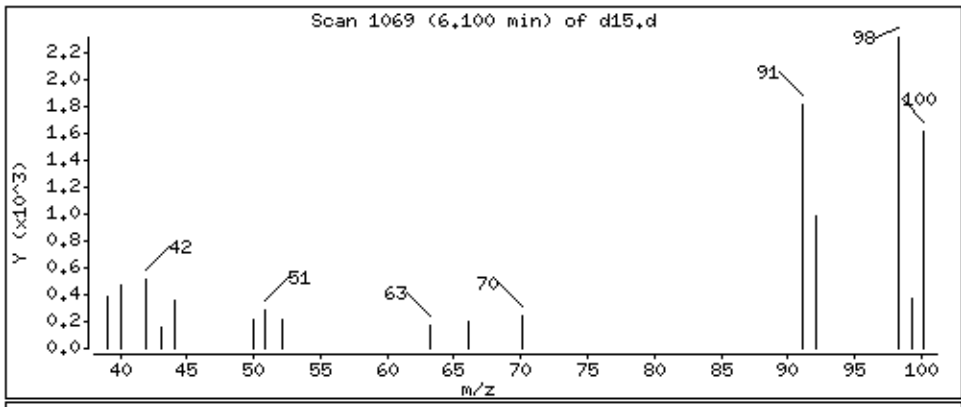
Column phase: DB-624

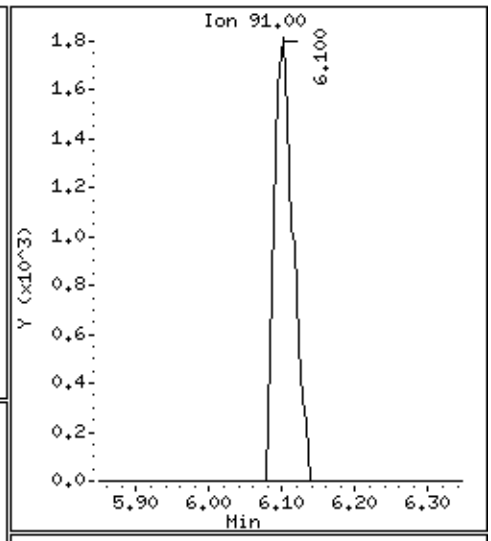
Column diameter: 0.18

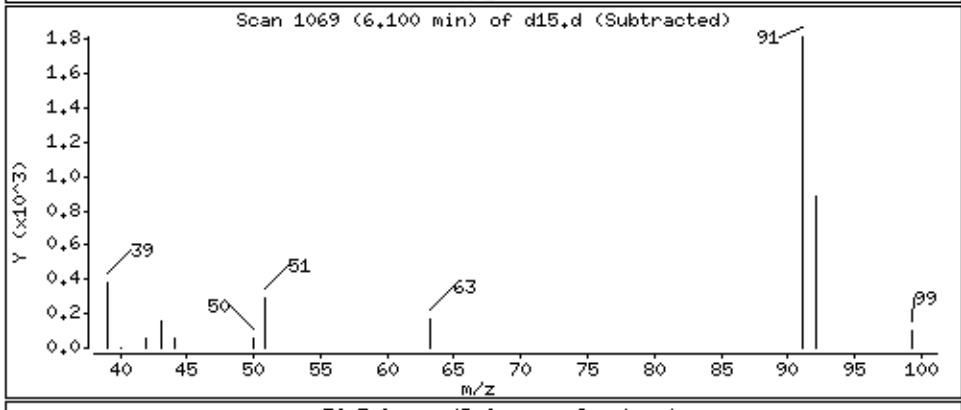
56 Toluene

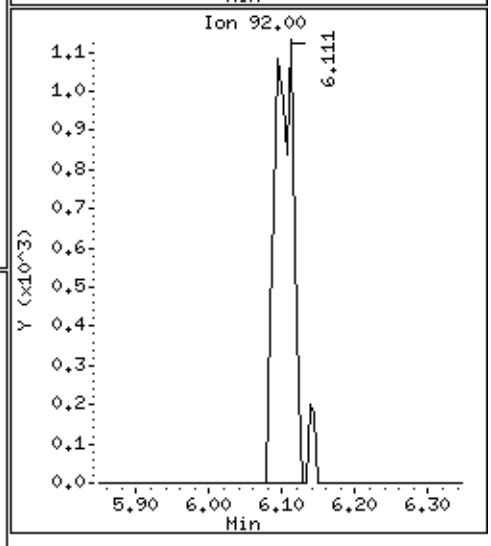
Concentration: 2.97 ppb

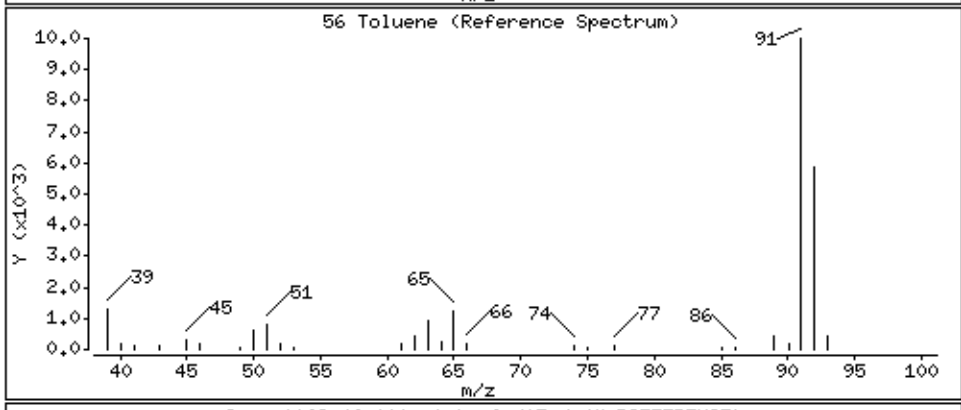
Review Code:

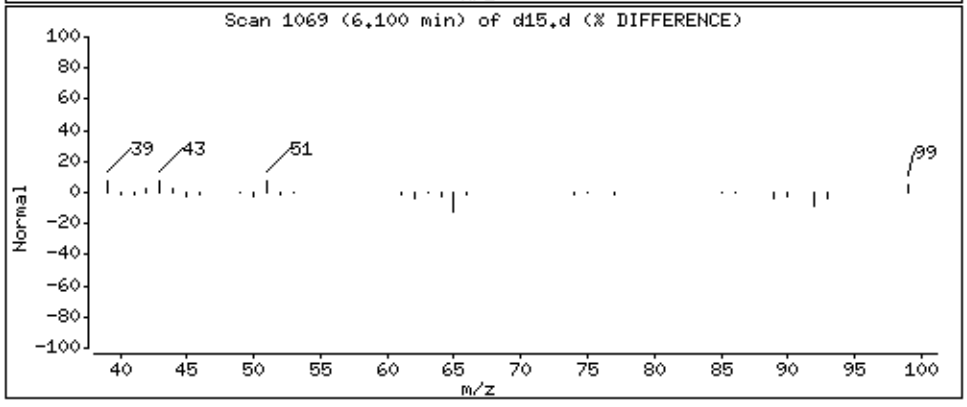












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d15.d
Injection Date: 07-OCT-2016 08:29
Instrument: 50mv3b.i
Lab Sample ID: 50155366027
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0506-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 03:25 Lab Sample ID: 50155366028

Date Analyzed: 10/07/2016 03:25 Lab File ID: A100616.B\C06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	7.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0506-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 03:25 Lab Sample ID: 50155366028

Date Analyzed: 10/07/2016 03:25 Lab File ID: A100616.B\C06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c06.d
Lab Smp Id: 50155366028 Client Smp ID: MW-0506-S1(092716)P
Inj Date : 07-OCT-2016 03:25
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366028
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 59
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.605	1.602	(0.386)	9393	23.7636	23.8	
	18 Methylene Chloride	84	1.867	1.864	(0.448)	19465	7.12904	7.13	
	28 1,2-Dichloroethene (cis)	96	2.817	2.815	(0.677)	7960	3.38045	3.38(Q)	
$	35 Dibromofluoromethane (S)	113	3.330	3.328	(0.800)	93239	46.8493	46.8	
*	45 Fluorobenzene (IS)	96	4.163	4.166	(1.000)	440129	50.0000		
	46 Trichloroethene	95	4.623	4.620	(1.110)	5622	2.45244	2.45	
$	56 Toluene-d8 (S)	98	6.017	6.020	(0.820)	424879	45.6000	45.6	
	57 Toluene	91	6.097	6.089	(0.830)	4782	0.43229	0.432	
*	66 Chlorobenzene-D5 (IS)	117	7.341	7.344	(1.000)	300496	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.112)	136749	51.0401	51.0	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.840	(1.000)	134101	50.0000		

QC Flag Legend

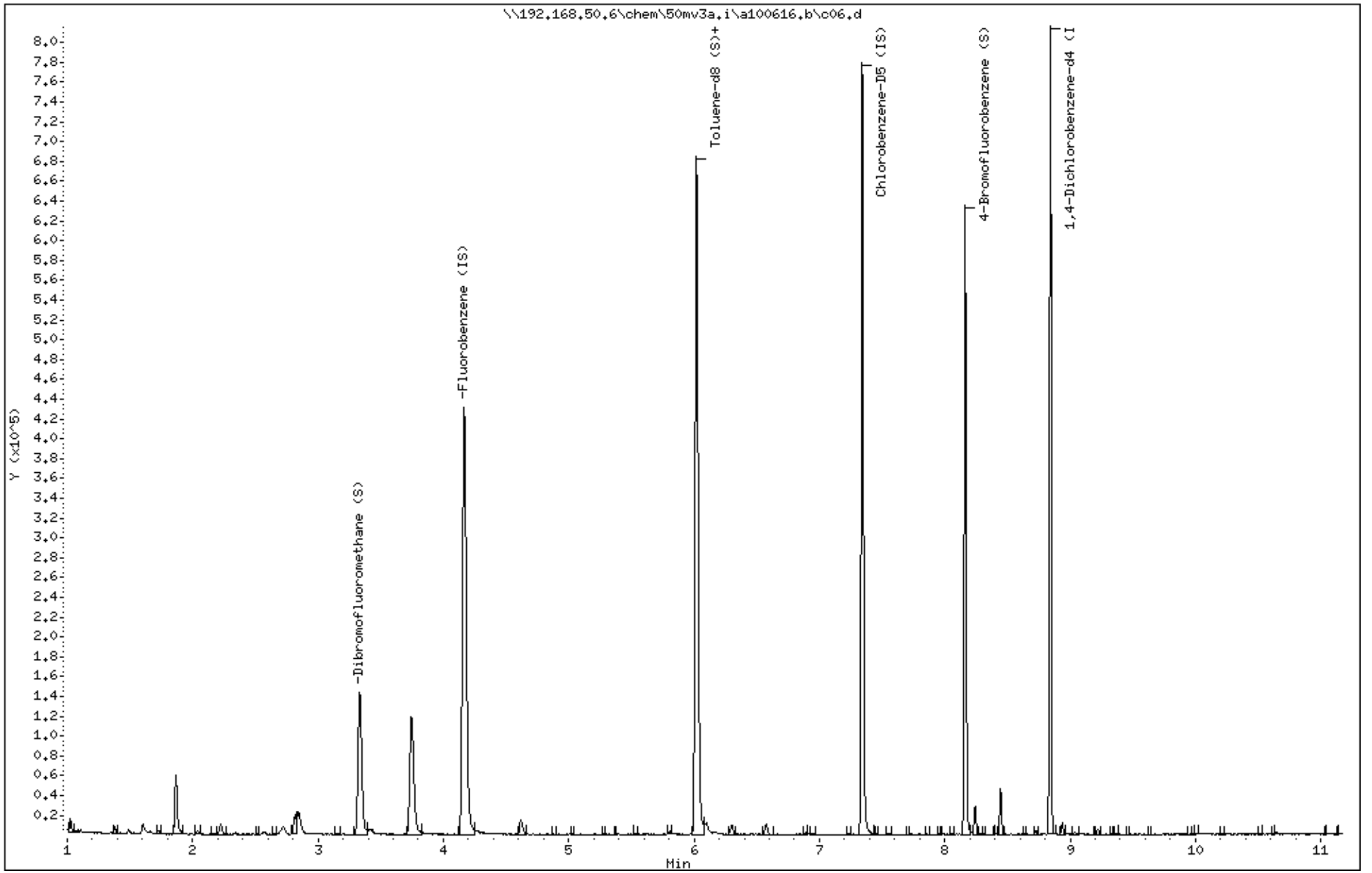
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c06.d
Date : 07-OCT-2016 03:25
Client ID: MW-0506-S1(092716)P
Sample Info: 50155366028
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c06.d

Date : 07-OCT-2016 03:25

Client ID: MW-0506-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366028

Purge Volume: 5.0

Operator: jlz

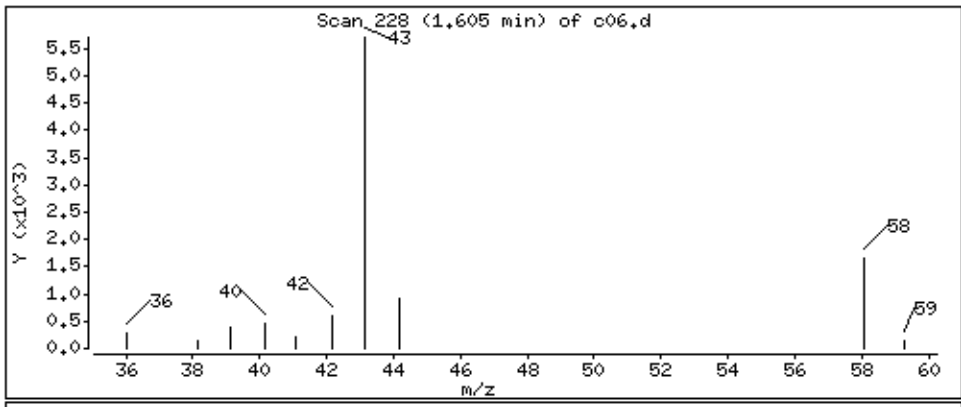
Column phase: DB-624

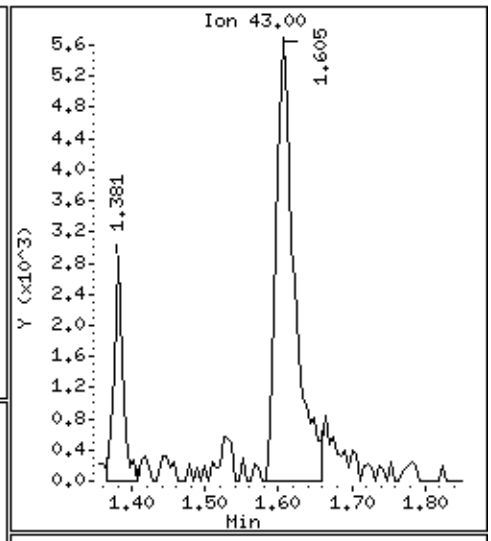
Column diameter: 0.18

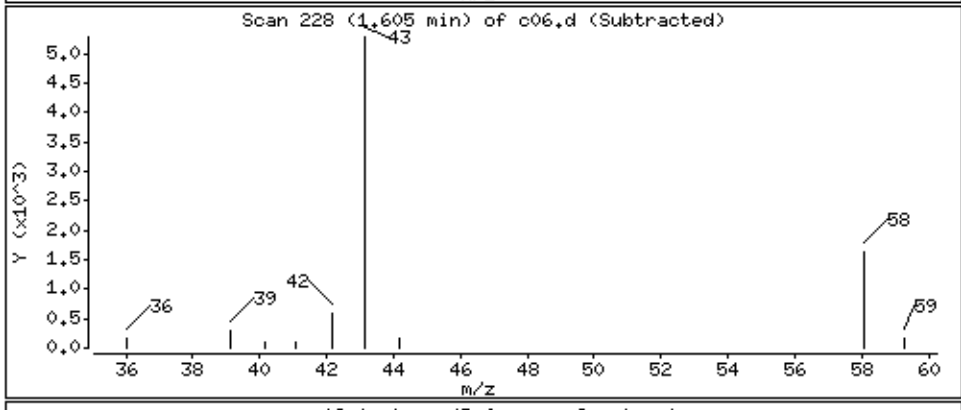
12 Acetone

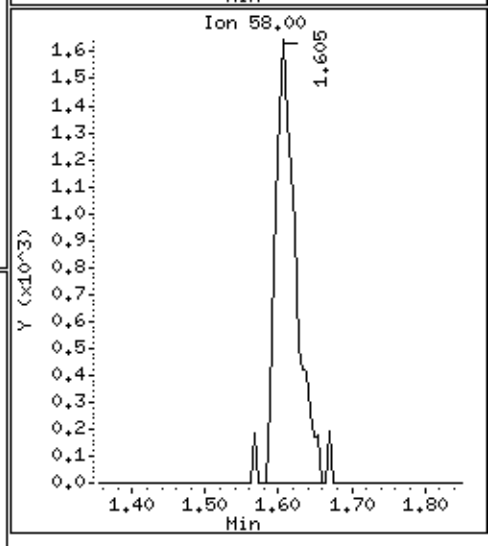
Concentration: 23.8 ppb

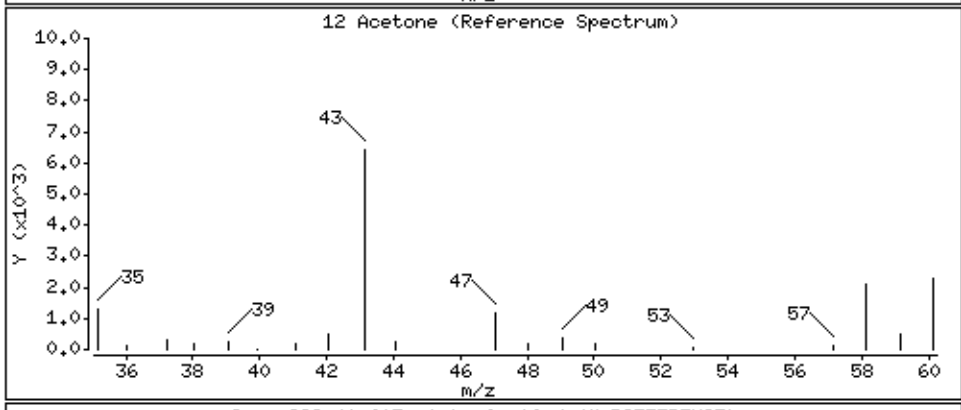
Review Code:

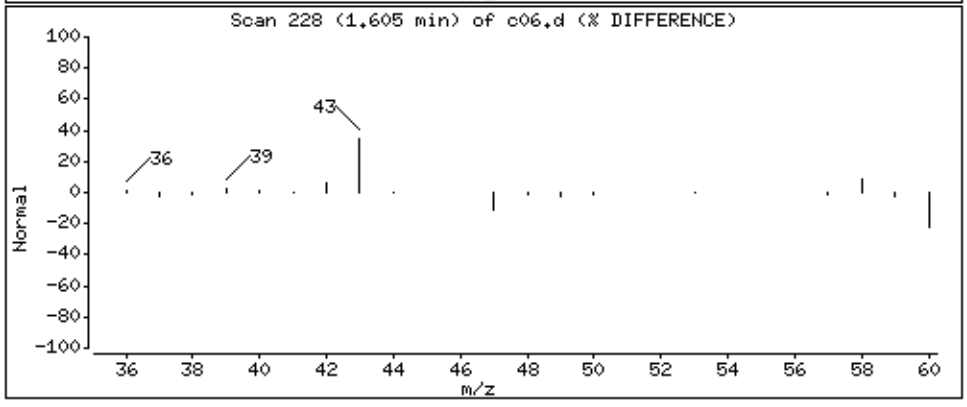












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c06.d

Date : 07-OCT-2016 03:25

Client ID: MW-0506-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366028

Purge Volume: 5.0

Operator: jlz

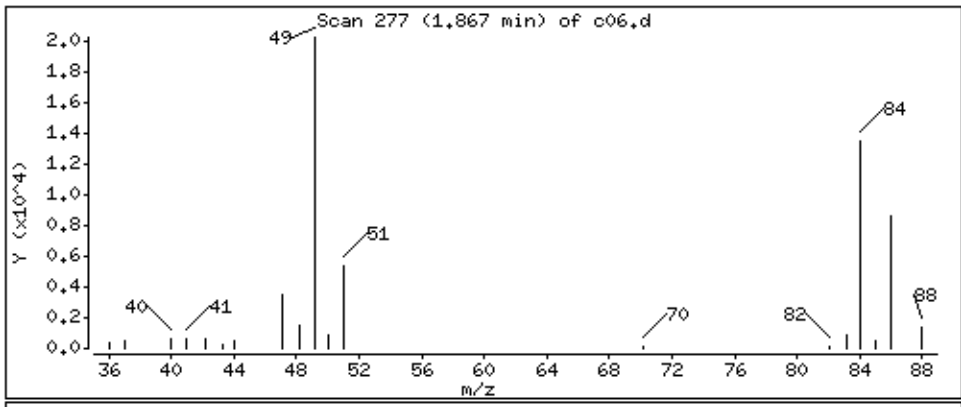
Column phase: DB-624

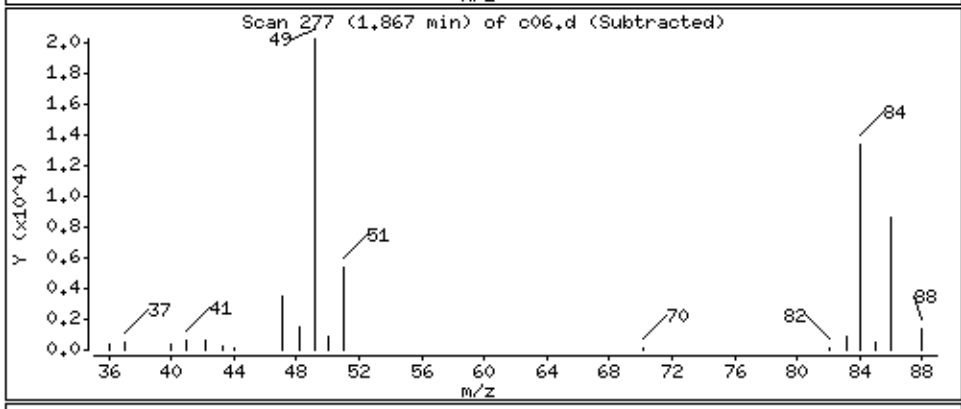
Column diameter: 0.18

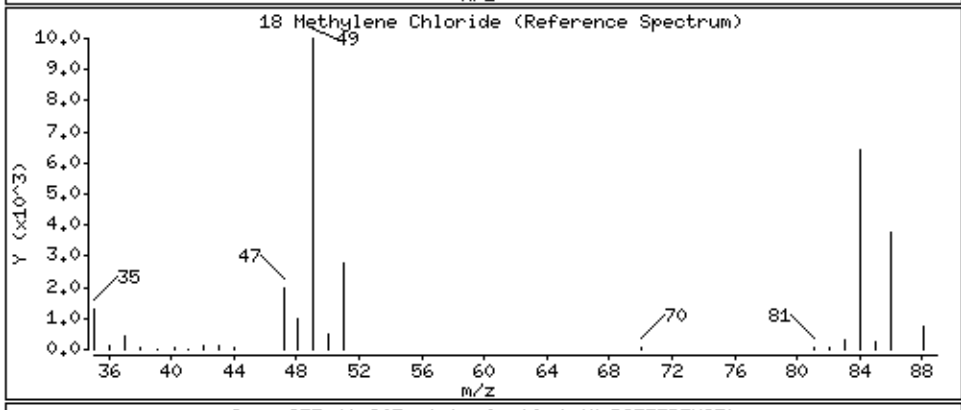
18 Methylene Chloride

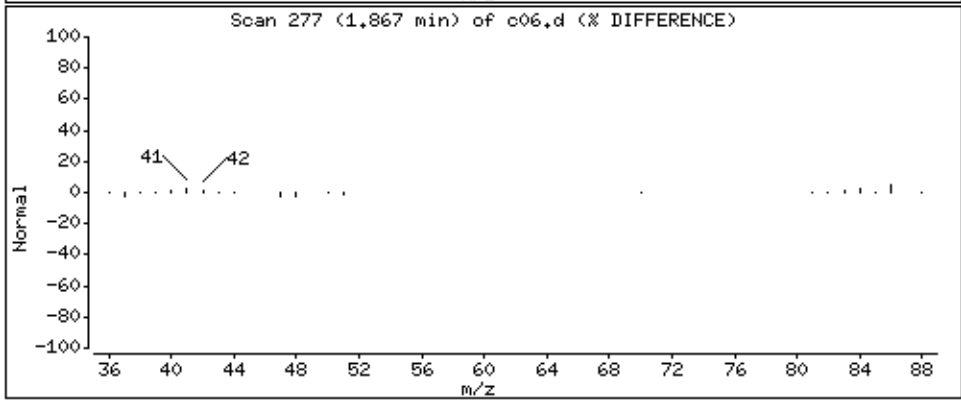
Concentration: 7.13 ppb

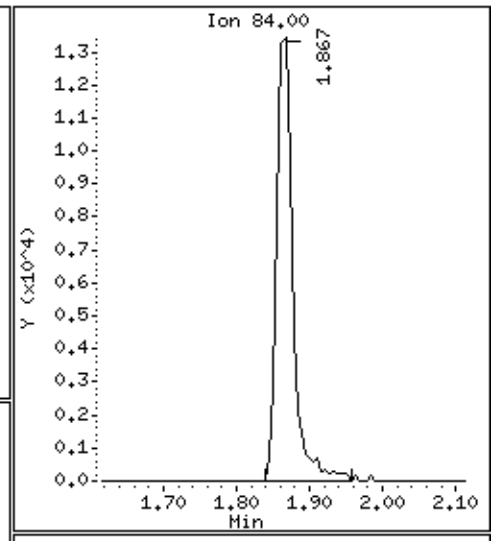
Review Code:

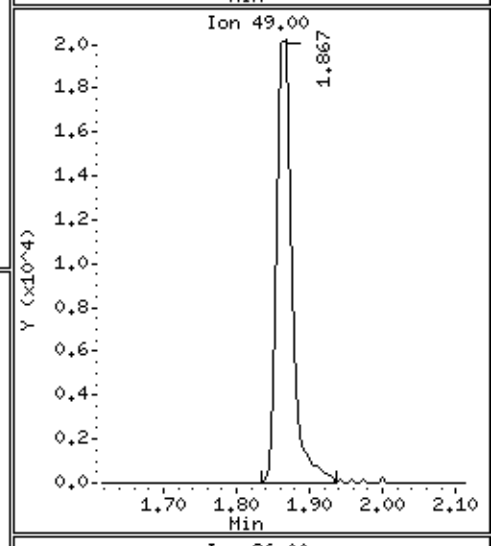


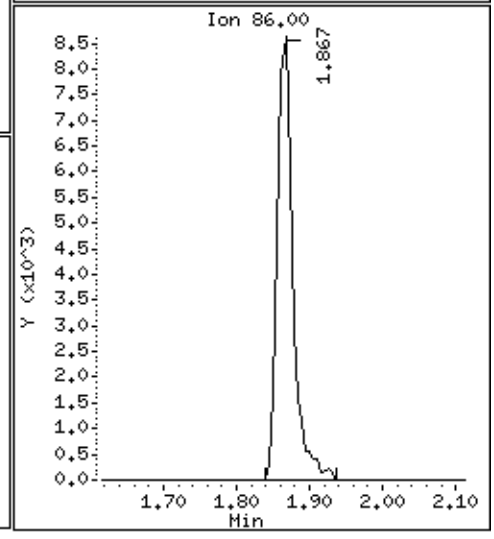












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Date : 07-OCT-2016 03:25

Client ID: MW-0506-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366028

Purge Volume: 5.0

Operator: jlz

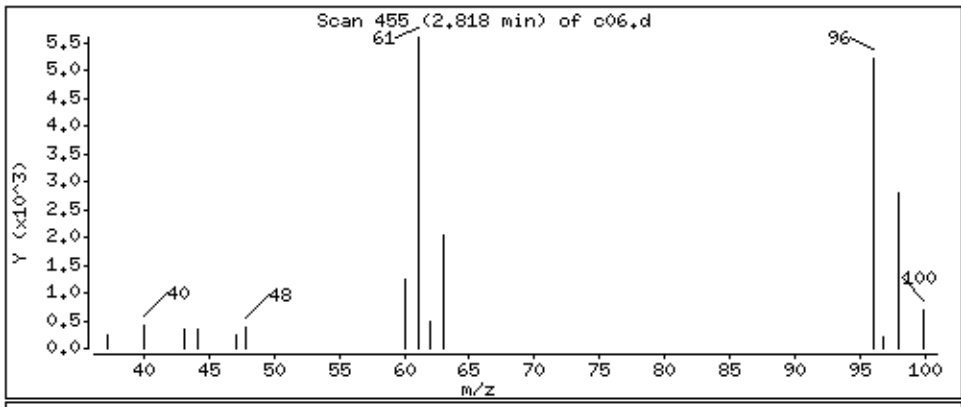
Column phase: DB-624

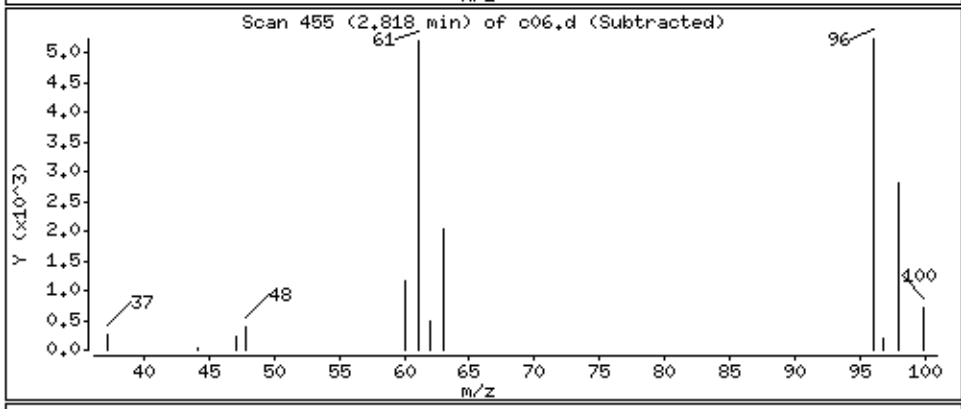
Column diameter: 0.18

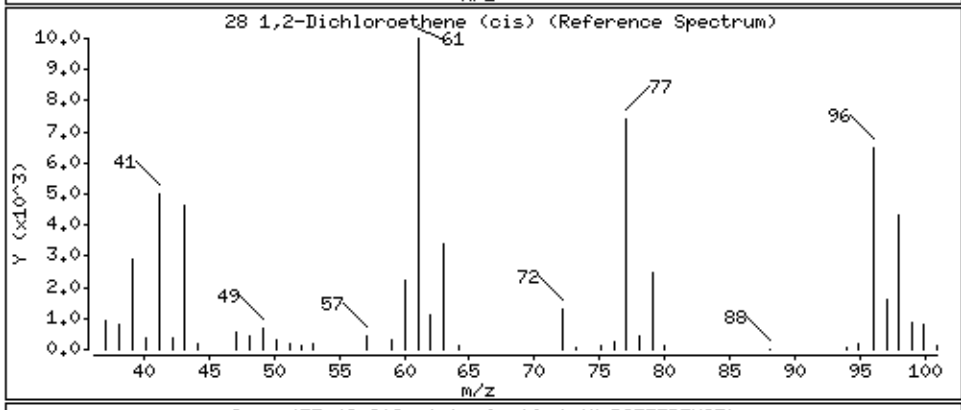
28 1,2-Dichloroethene (cis)

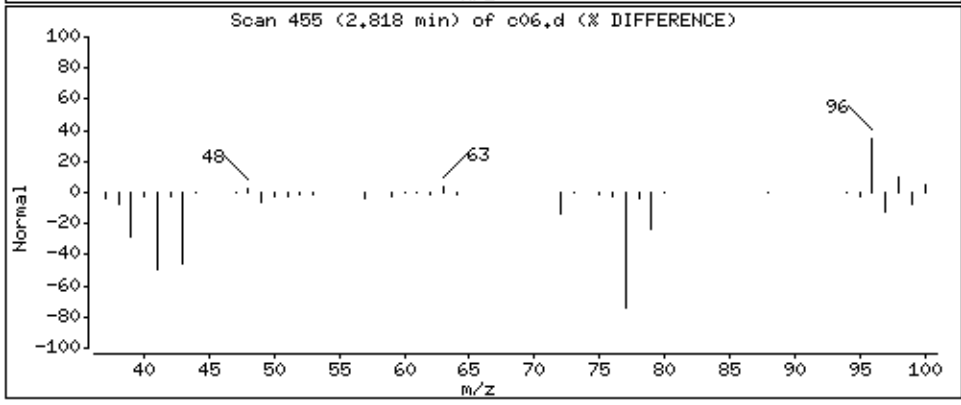
Concentration: 3.38 ppb

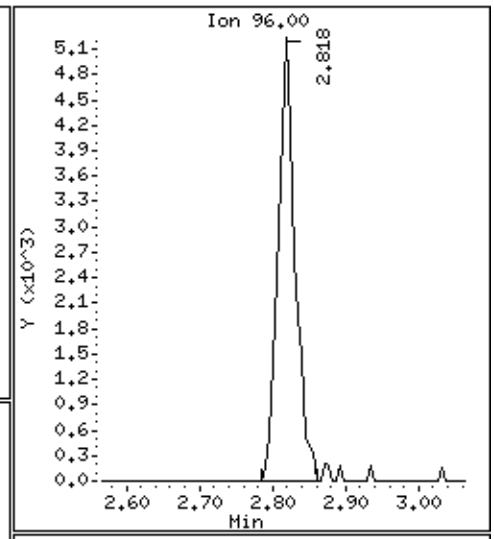
Review Code:

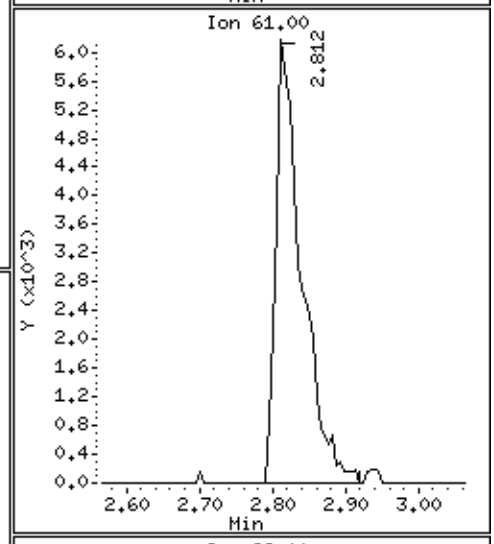


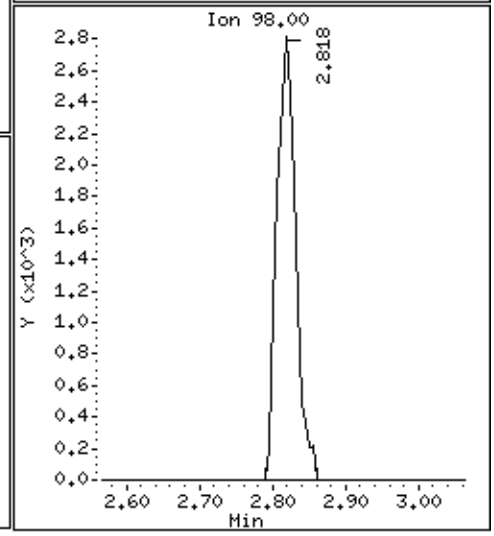












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c06.d

Date : 07-OCT-2016 03:25

Client ID: MW-0506-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366028

Purge Volume: 5.0

Operator: jlz

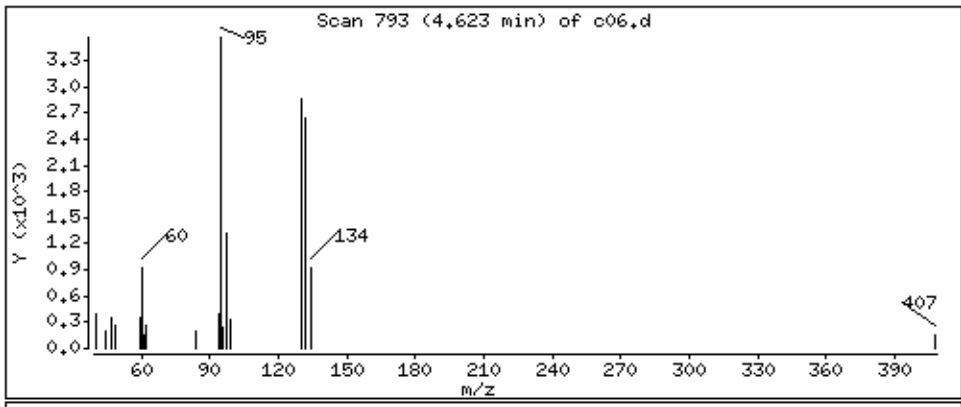
Column phase: DB-624

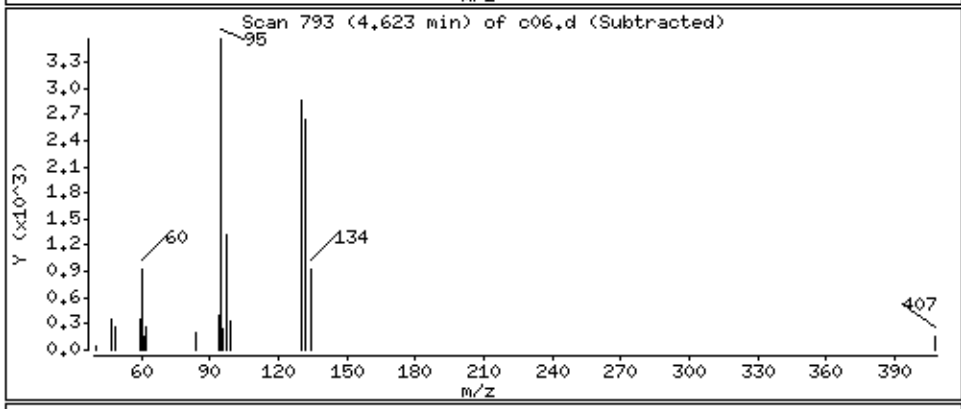
Column diameter: 0.18

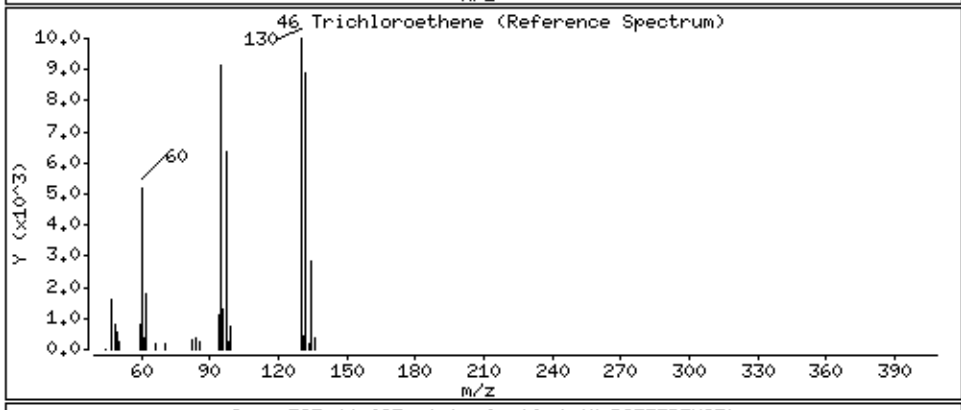
46 Trichloroethene

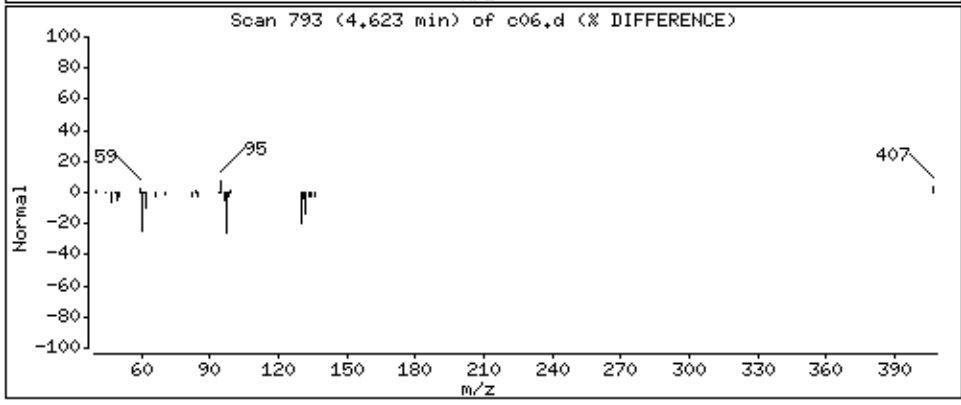
Concentration: 2.45 ppb

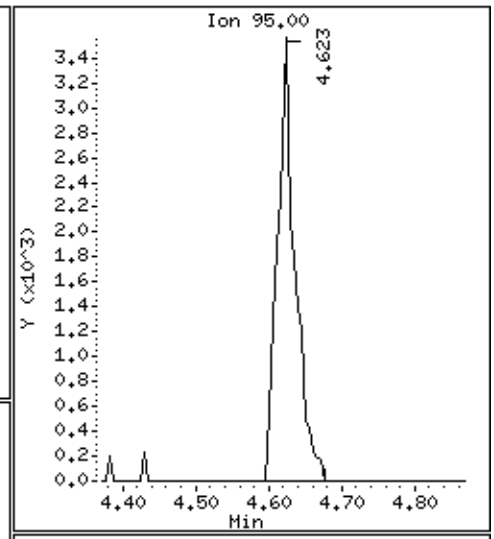
Review Code:

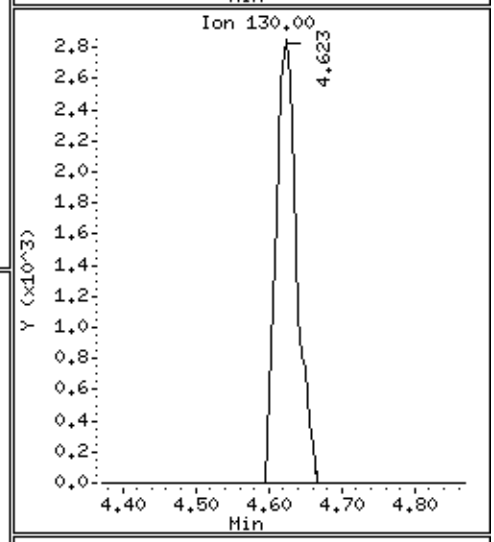


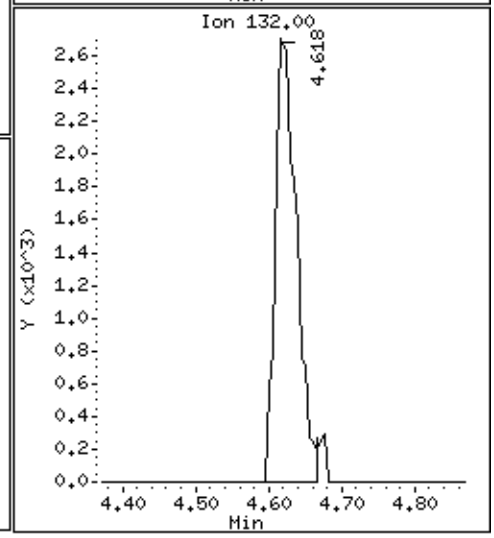












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Date : 07-OCT-2016 03:25

Client ID: MW-0506-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366028

Purge Volume: 5.0

Operator: jlz

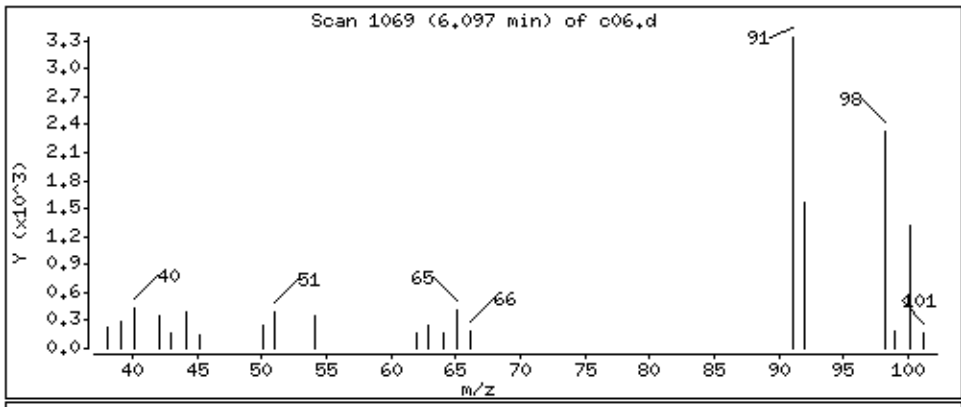
Column phase: DB-624

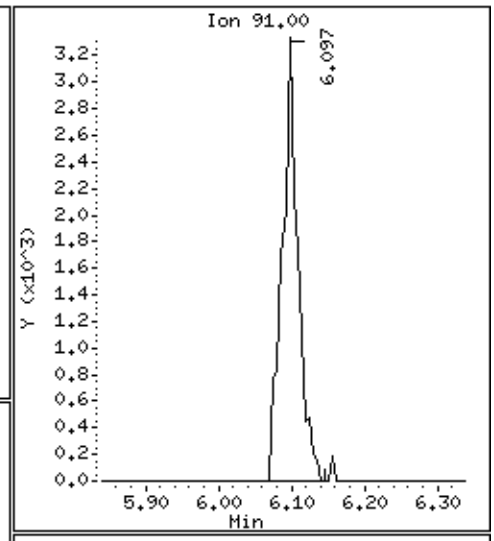
Column diameter: 0.18

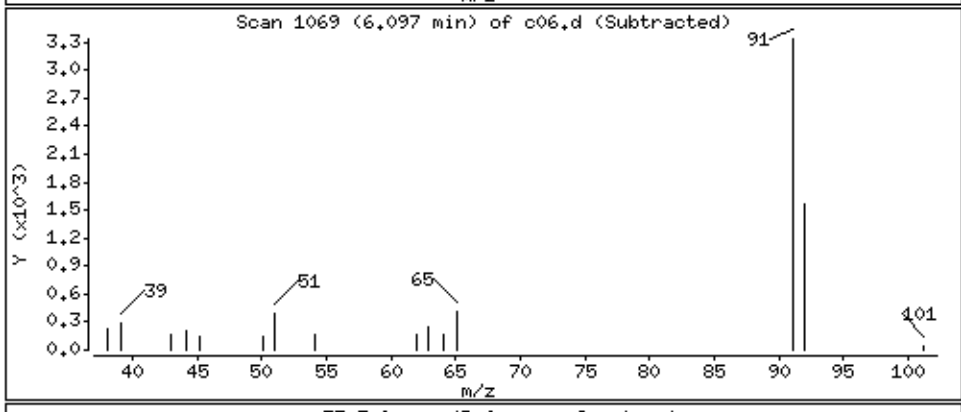
57 Toluene

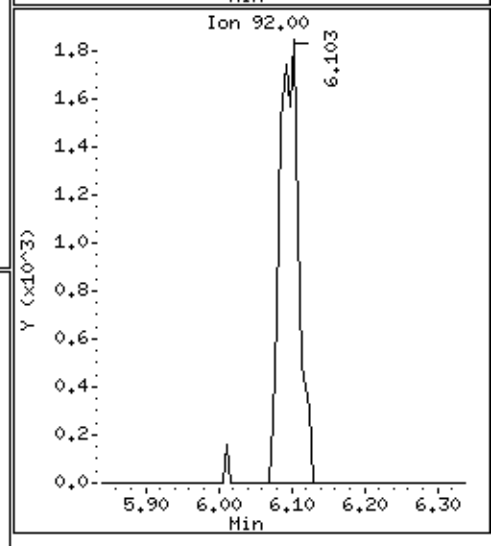
Concentration: 0.432 ppb

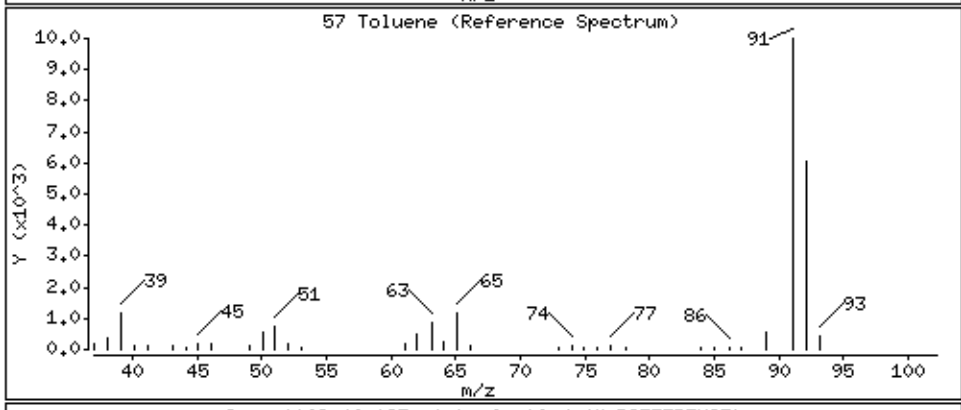
Review Code:

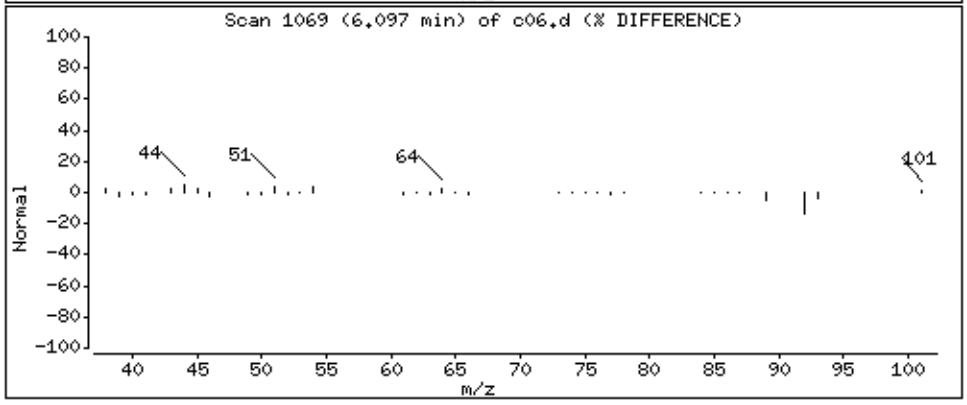












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c06.d
Injection Date: 07-OCT-2016 03:25
Instrument: 50mv3a.i
Lab Sample ID: 50155366028
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

EB-1(092716)RW

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 03:57 Lab Sample ID: 50155366029

Date Analyzed: 10/07/2016 03:57 Lab File ID: A100616.B\C07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

EB-1(092716)RW

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 03:57 Lab Sample ID: 50155366029

Date Analyzed: 10/07/2016 03:57 Lab File ID: A100616.B\C07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c07.d
Lab Smp Id: 50155366029 Client Smp ID: EB-1(092716)RW
Inj Date : 07-OCT-2016 03:57
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366029
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 61
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

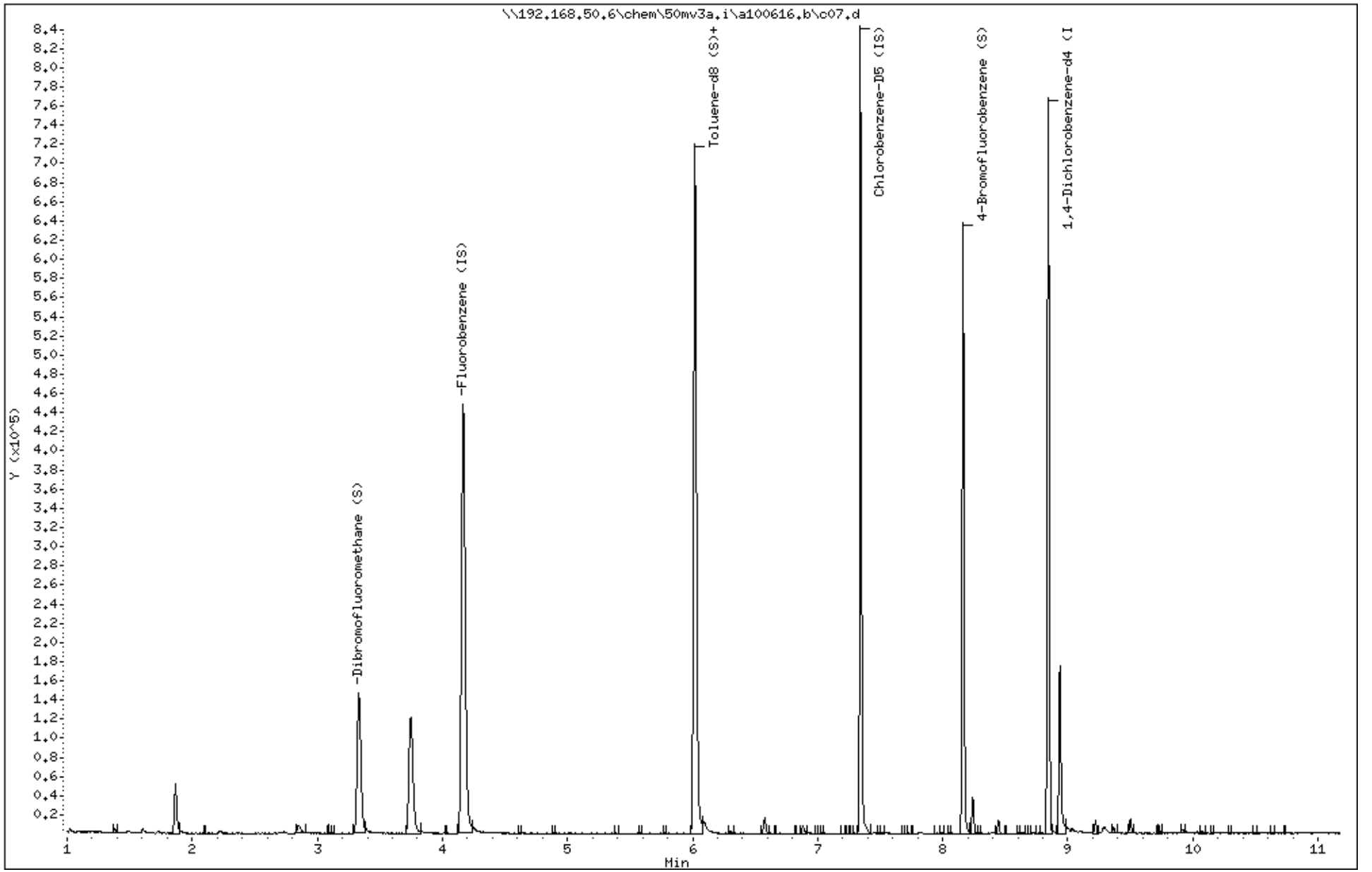
Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
18 Methylene Chloride	84	1.868	1.864	(0.449)	15418	4.56294	4.56	
$ 35 Dibromofluoromethane (S)	113	3.331	3.328	(0.800)	99789	47.8138	47.8	
* 45 Fluorobenzene (IS)	96	4.164	4.166	(1.000)	461546	50.0000		
$ 56 Toluene-d8 (S)	98	6.018	6.020	(0.820)	434254	45.9630	46.0	
57 Toluene	91	6.098	6.089	(0.831)	4871	0.43426	0.434	
* 66 Chlorobenzene-D5 (IS)	117	7.342	7.344	(1.000)	304701	50.0000		
$ 75 4-Bromofluorobenzene (S)	95	8.165	8.161	(1.112)	138234	50.8823	50.9	
* 89 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.840	(1.000)	131715	50.0000		

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c07.d
Date : 07-OCT-2016 03:57
Client ID: EB-1(092716)RW
Sample Info: 50155366029
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Date : 07-OCT-2016 03:57

Client ID: EB-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366029

Purge Volume: 5.0

Operator: jlz

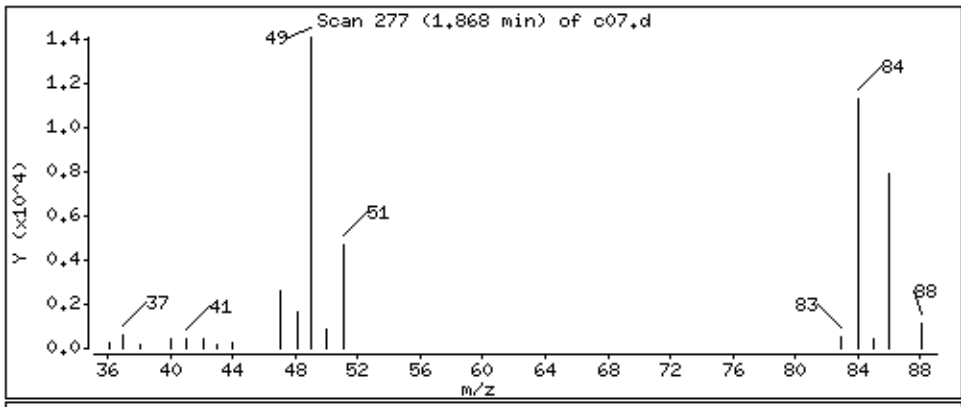
Column phase: DB-624

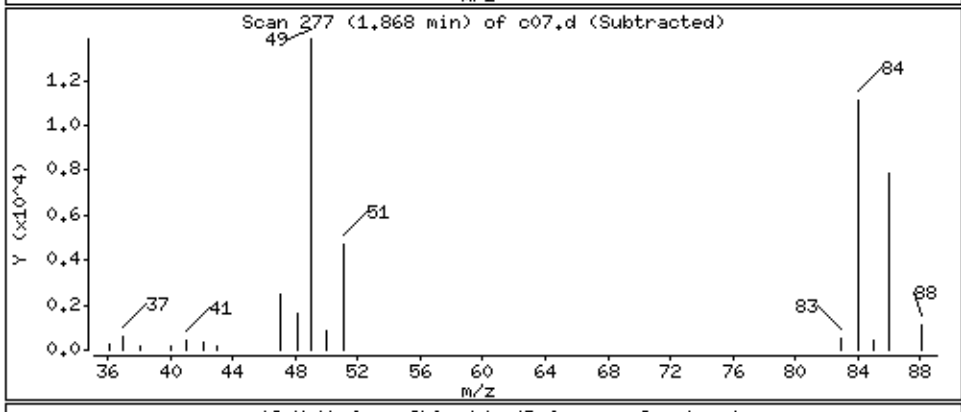
Column diameter: 0.18

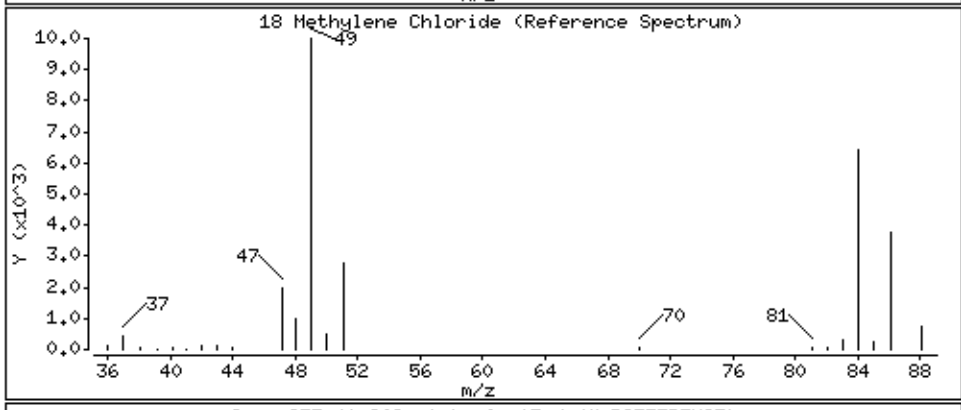
18 Methylene Chloride

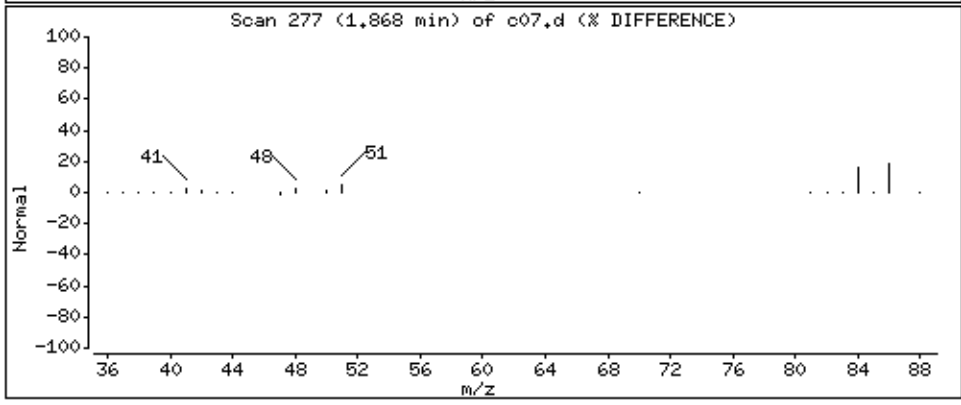
Concentration: 4.56 ppb

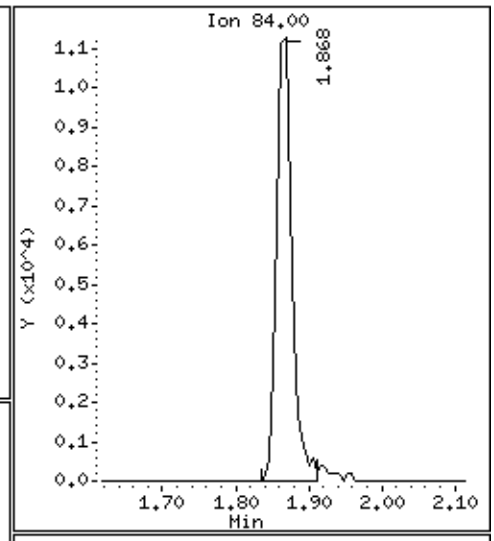
Review Code:

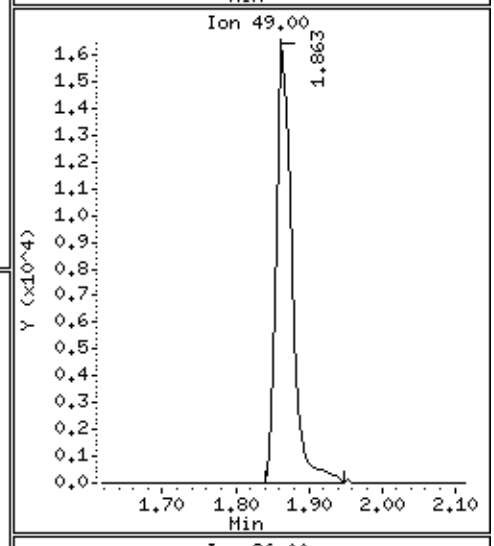


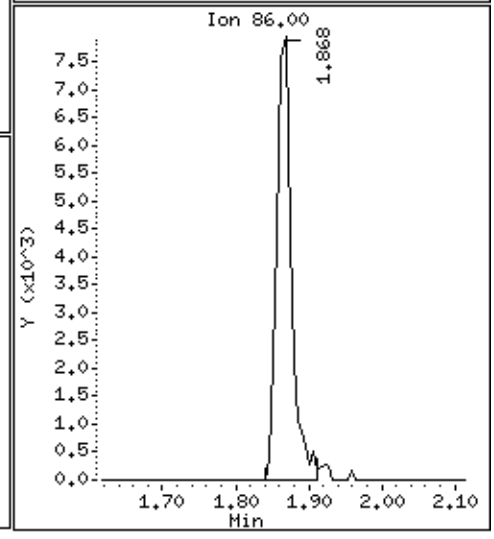












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c07.d

Date : 07-OCT-2016 03:57

Client ID: EB-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366029

Purge Volume: 5.0

Operator: jlz

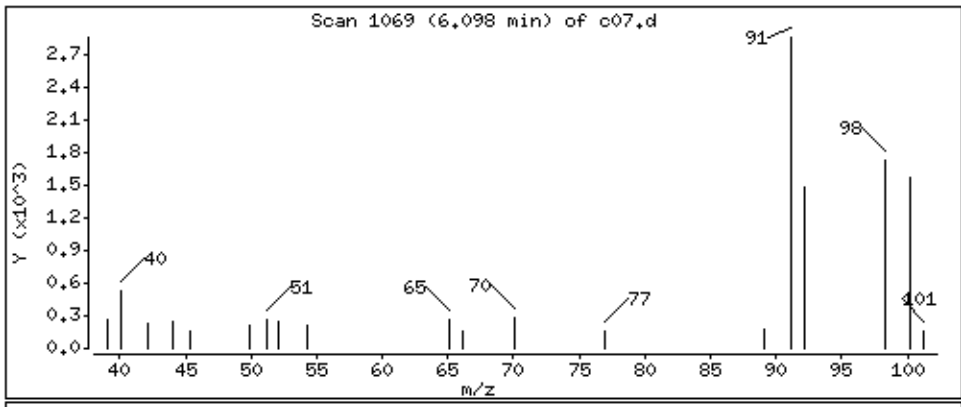
Column phase: DB-624

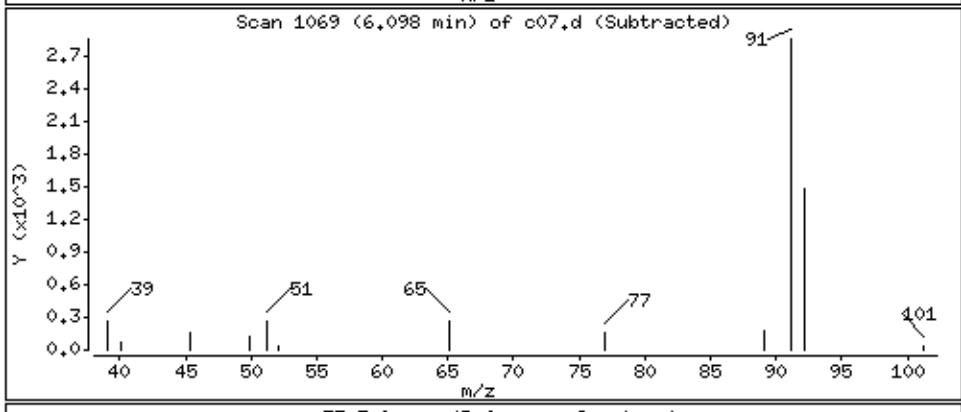
Column diameter: 0.18

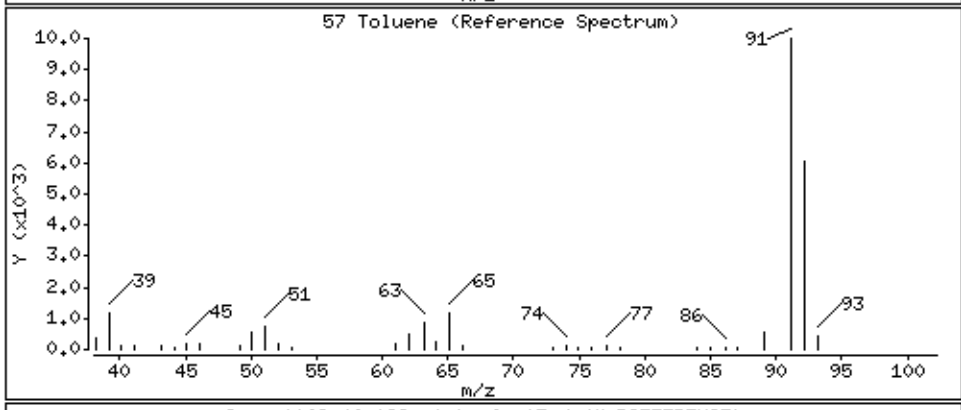
57 Toluene

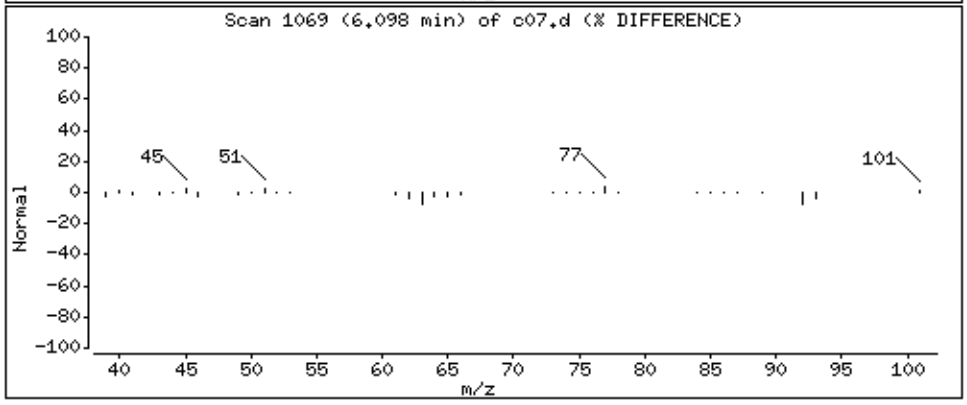
Concentration: 0.434 ppb

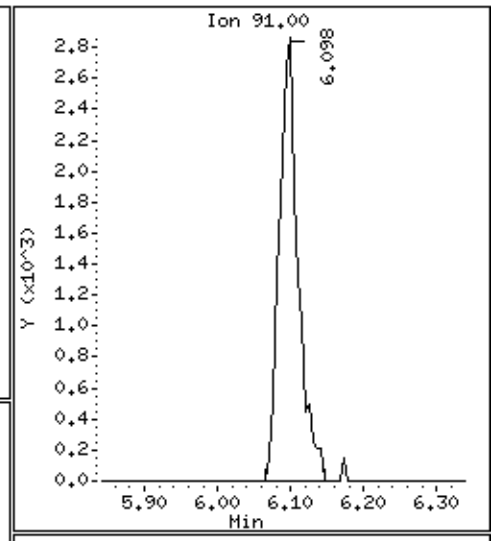
Review Code:

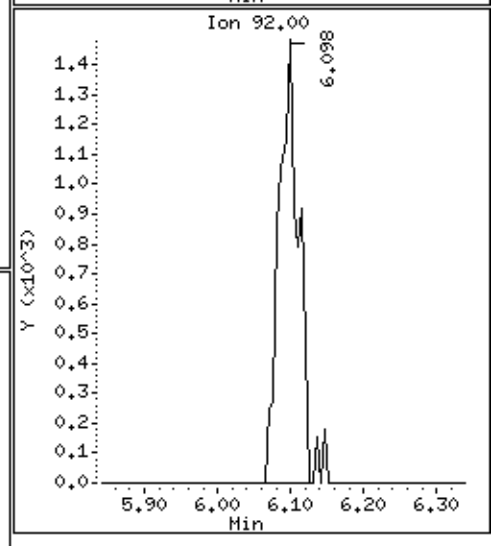












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c07.d
Injection Date: 07-OCT-2016 03:57
Instrument: 50mv3a.i
Lab Sample ID: 50155366029
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0617-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 04:29 Lab Sample ID: 50155366030

Date Analyzed: 10/07/2016 04:29 Lab File ID: A100616.B\C08.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	6.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0617-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 04:29 Lab Sample ID: 50155366030

Date Analyzed: 10/07/2016 04:29 Lab File ID: A100616.B\C08.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c08.d
Lab Smp Id: 50155366030 Client Smp ID: MW-0617-S1(092716)P
Inj Date : 07-OCT-2016 04:29
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366030
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 63
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

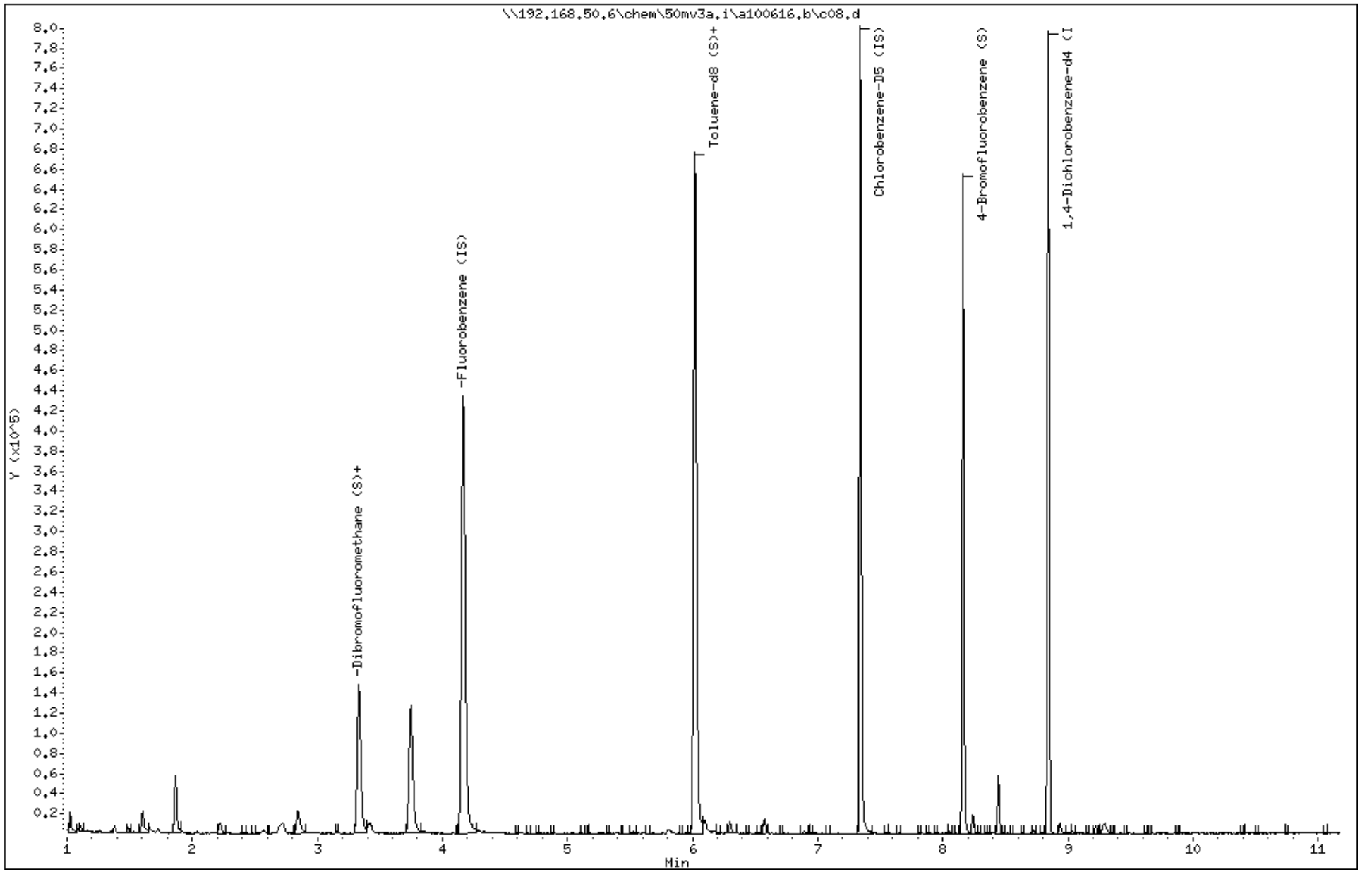
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.606	1.602	(0.386)	24038	60.9152	60.9	
	18 Methylene Chloride	84	1.867	1.864	(0.449)	17951	6.32929	6.33	
$	35 Dibromofluoromethane (S)	113	3.331	3.328	(0.800)	97333	48.9874	49.0	
	37 Cyclohexane	56	3.416	3.418	(0.820)	4790	1.10998	1.11	
*	45 Fluorobenzene (IS)	96	4.164	4.166	(1.000)	439401	50.0000		
$	56 Toluene-d8 (S)	98	6.017	6.020	(0.820)	426249	45.5110	45.5	
	57 Toluene	91	6.097	6.089	(0.831)	6523	0.58664	0.587	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.344	(1.000)	302055	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.112)	141418	52.5103	52.5	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.840	(1.000)	132747	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c08.d
Date : 07-OCT-2016 04:29
Client ID: MW-0617-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 50155366030
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 04:29

Client ID: MW-0617-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366030

Purge Volume: 5.0

Operator: jlz

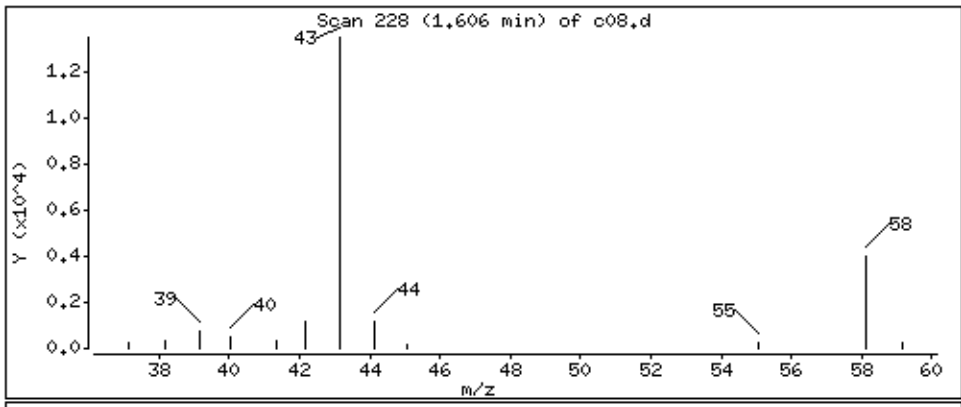
Column phase: DB-624

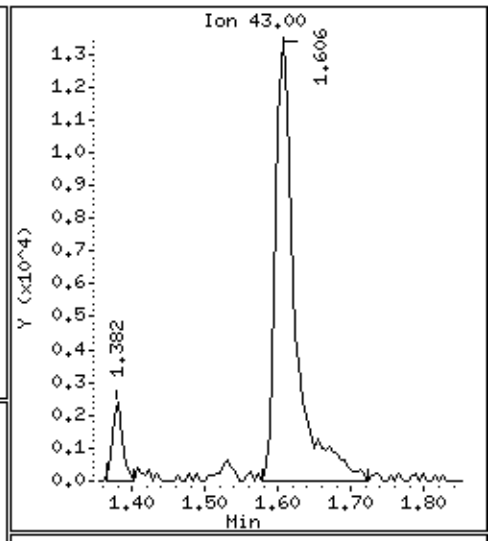
Column diameter: 0.18

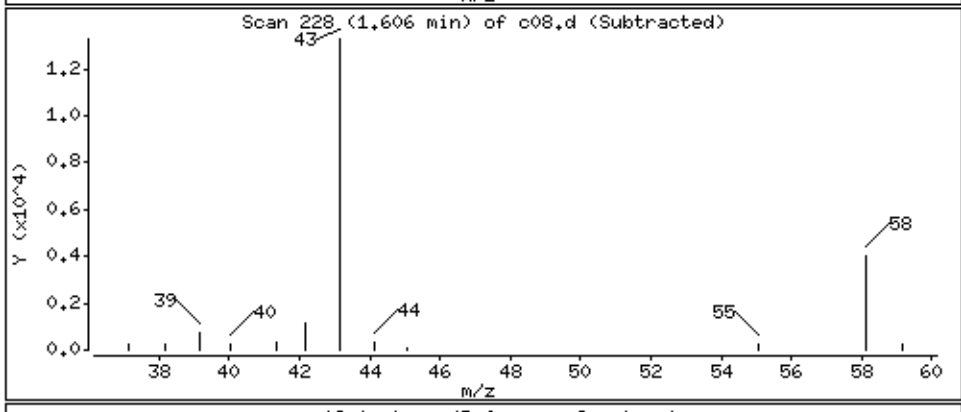
12 Acetone

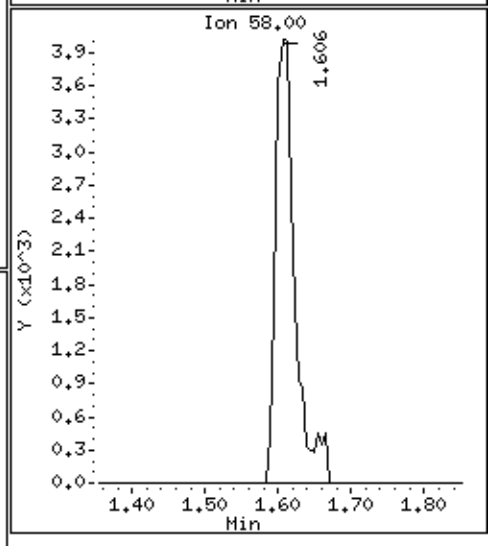
Concentration: 60.9 ppb

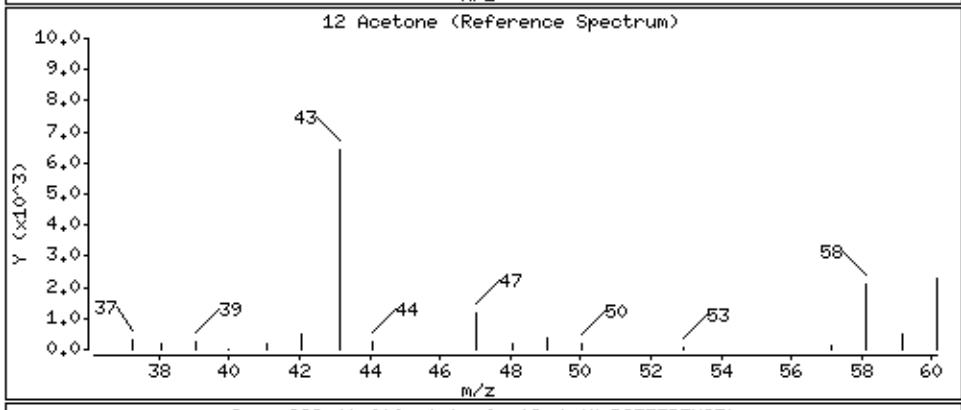
Review Code:

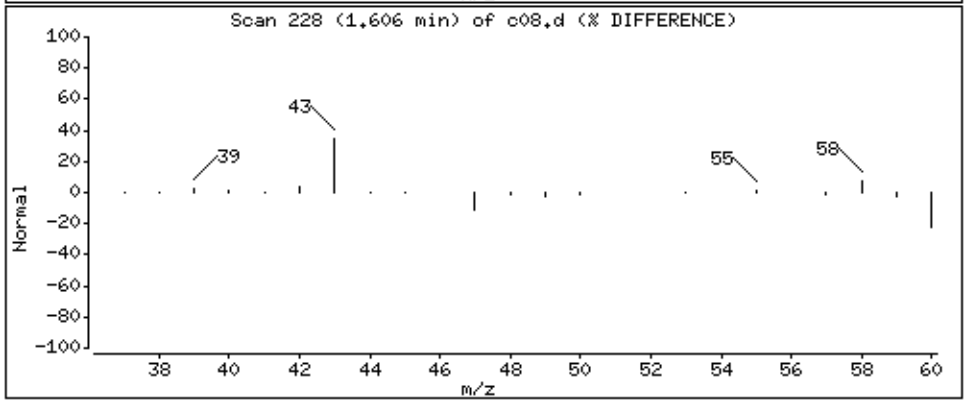












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Date : 07-OCT-2016 04:29

Client ID: MW-0617-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366030

Purge Volume: 5.0

Operator: jlz

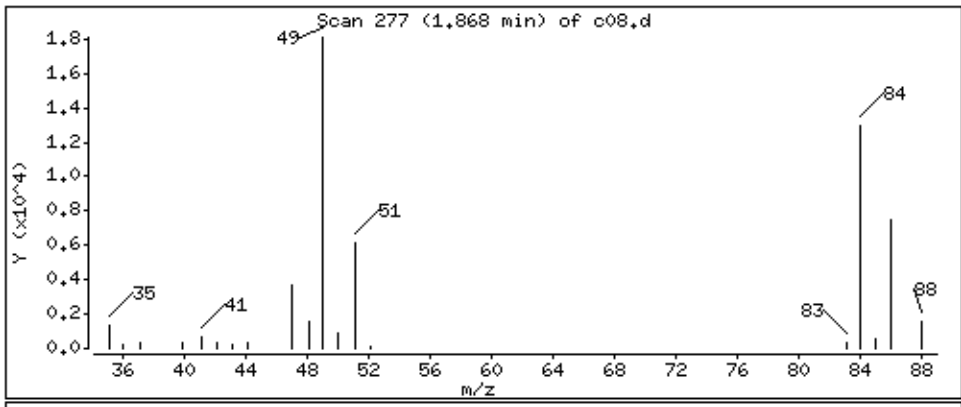
Column phase: DB-624

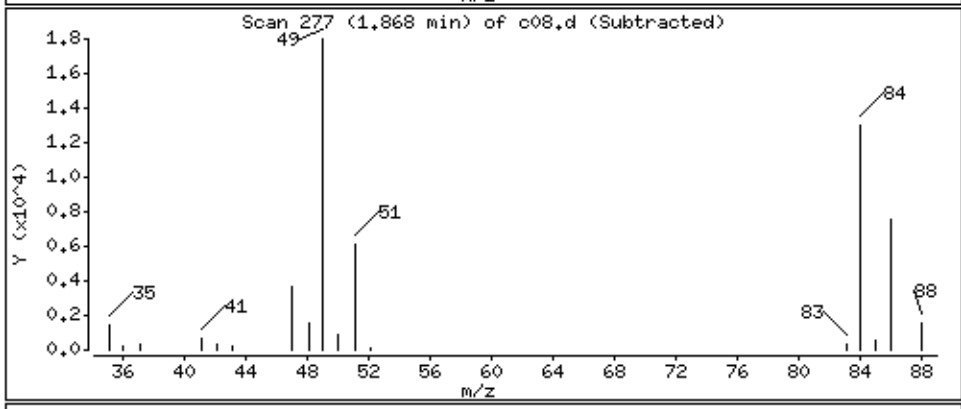
Column diameter: 0.18

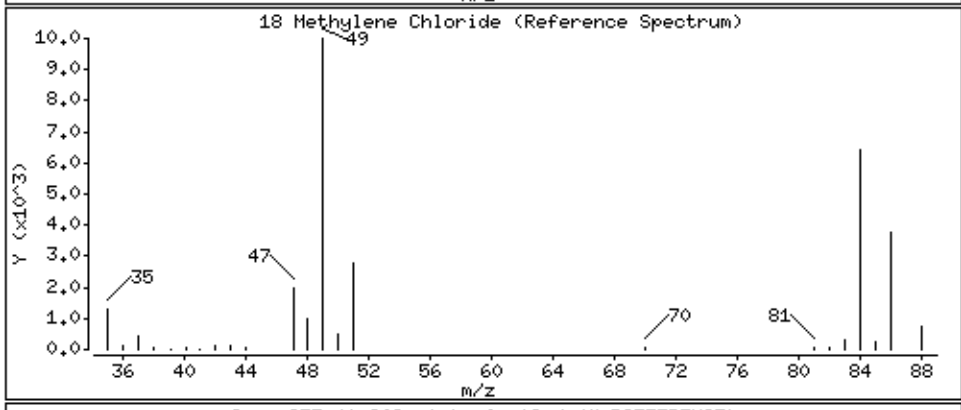
18 Methylene Chloride

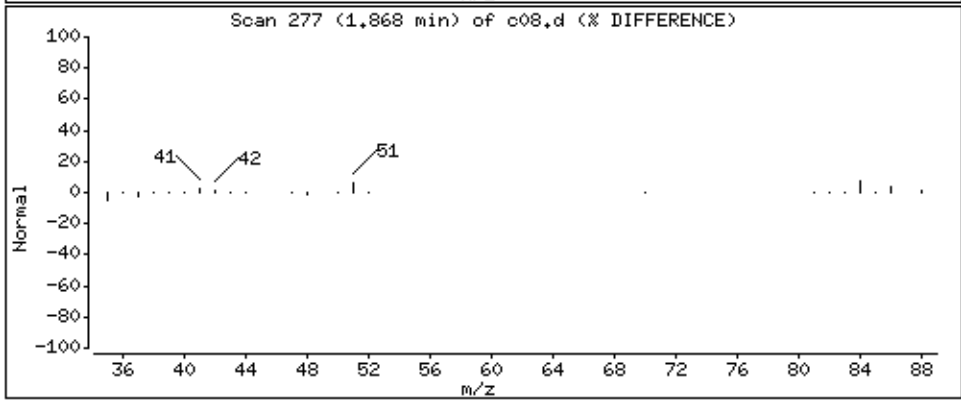
Concentration: 6.33 ppb

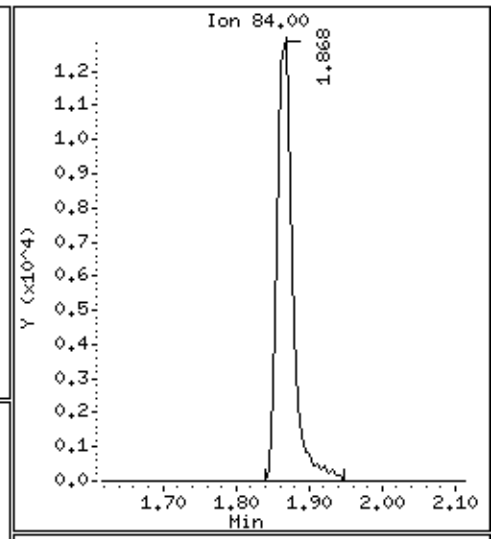
Review Code:

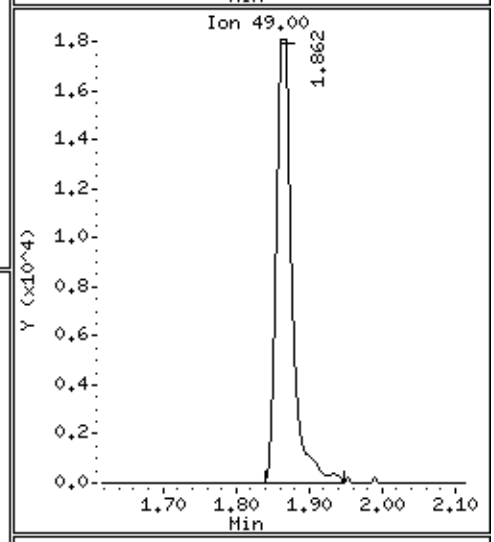


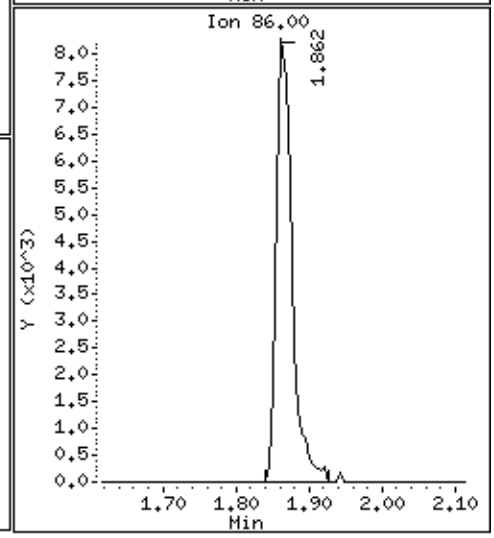












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Date : 07-OCT-2016 04:29

Client ID: MW-0617-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366030

Purge Volume: 5.0

Operator: jlz

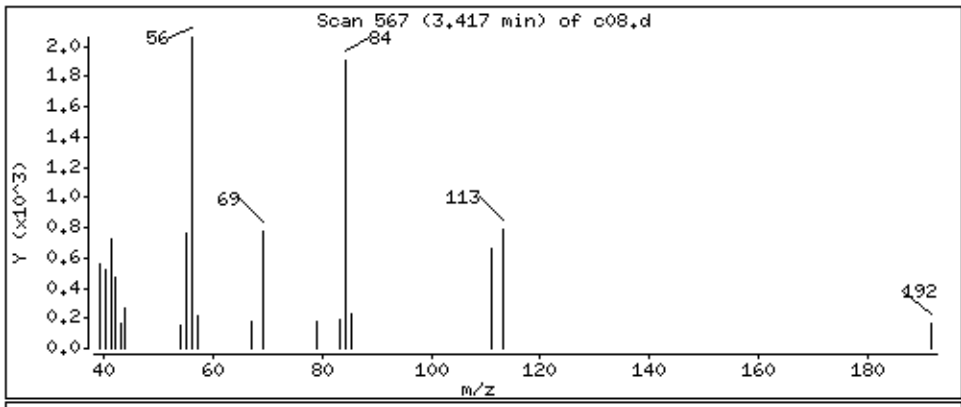
Column phase: DB-624

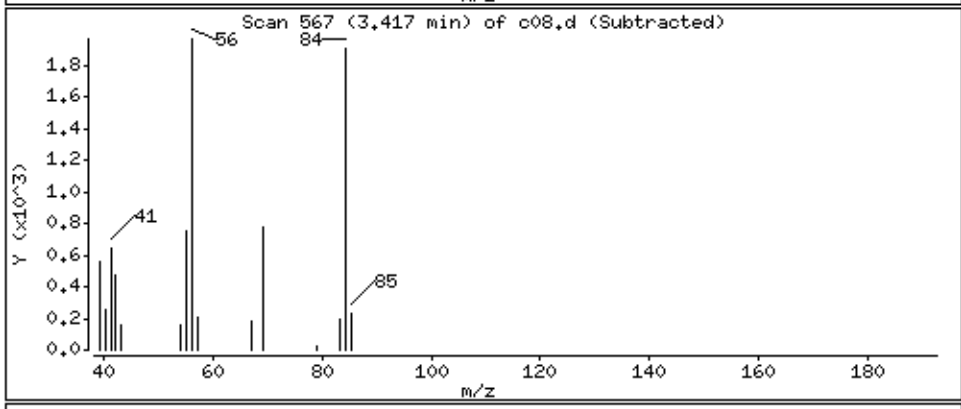
Column diameter: 0.18

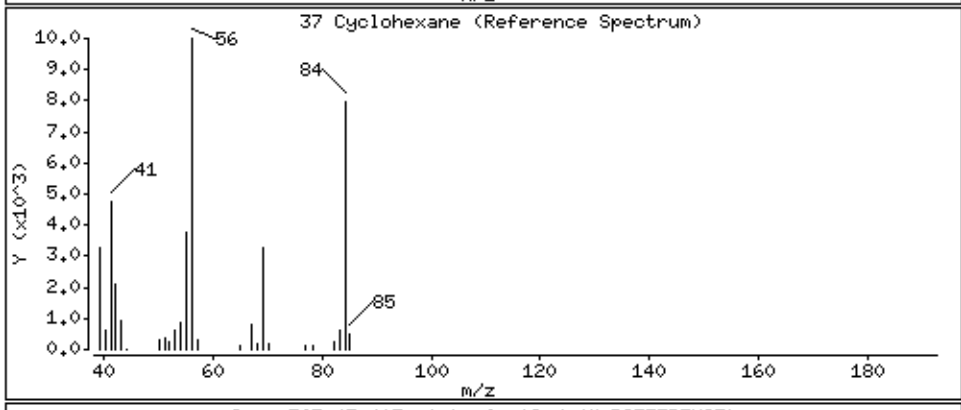
37 Cyclohexane

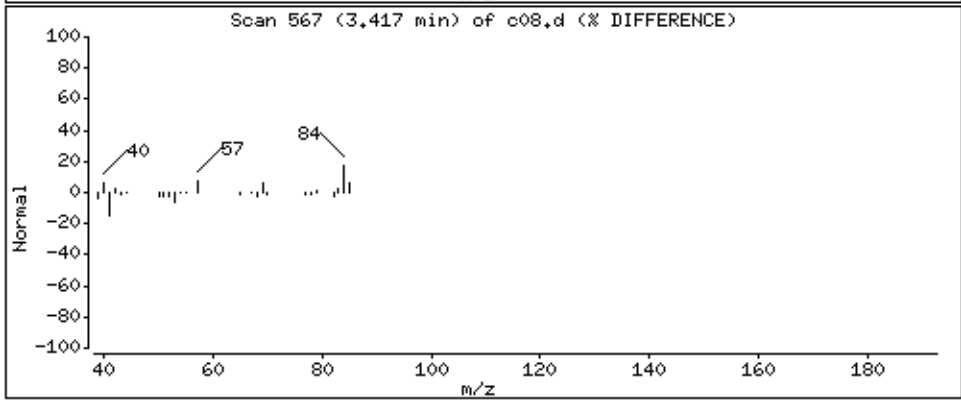
Concentration: 1.11 ppb

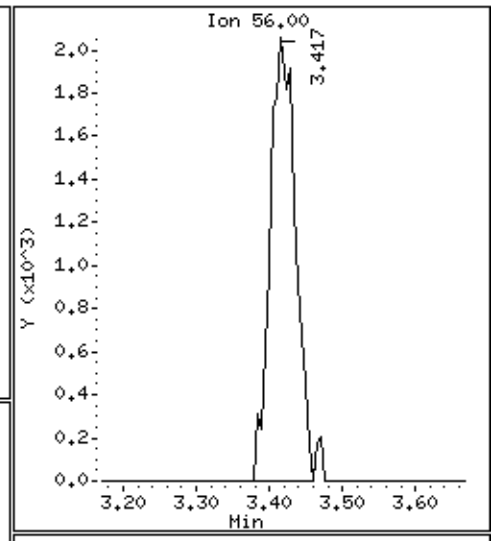
Review Code:

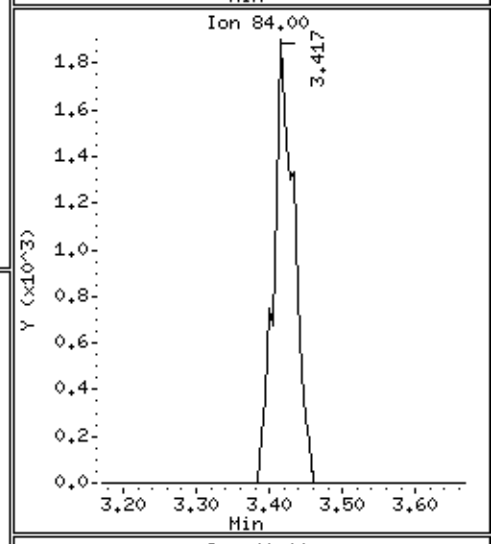


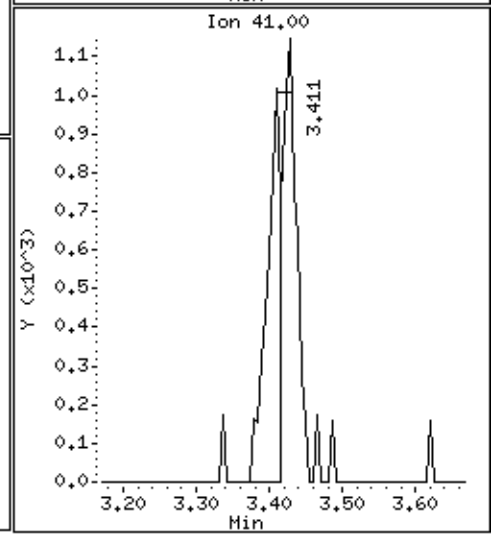












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c08.d

Date : 07-OCT-2016 04:29

Client ID: MW-0617-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366030

Purge Volume: 5.0

Operator: jlz

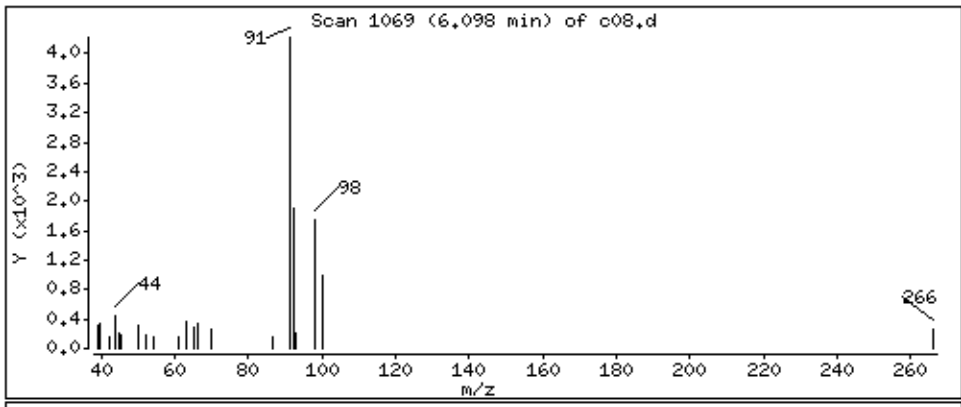
Column phase: DB-624

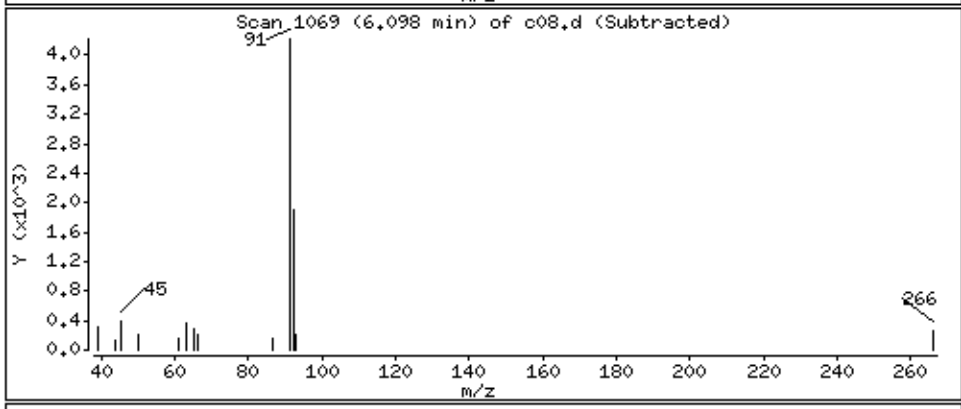
Column diameter: 0.18

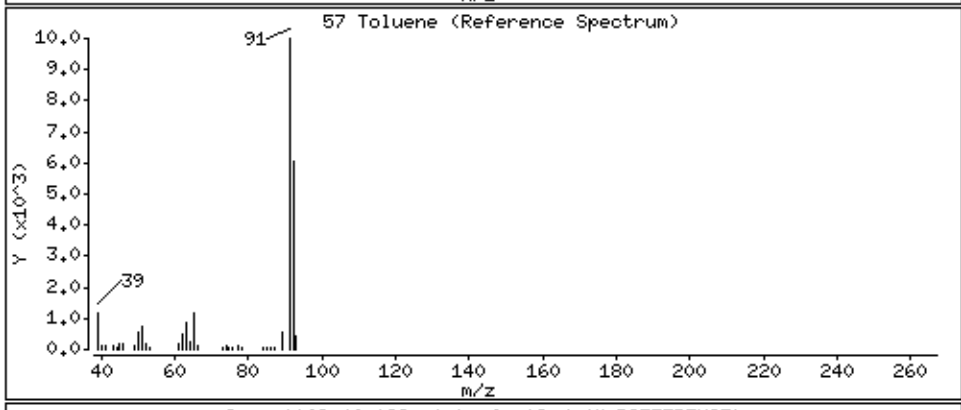
57 Toluene

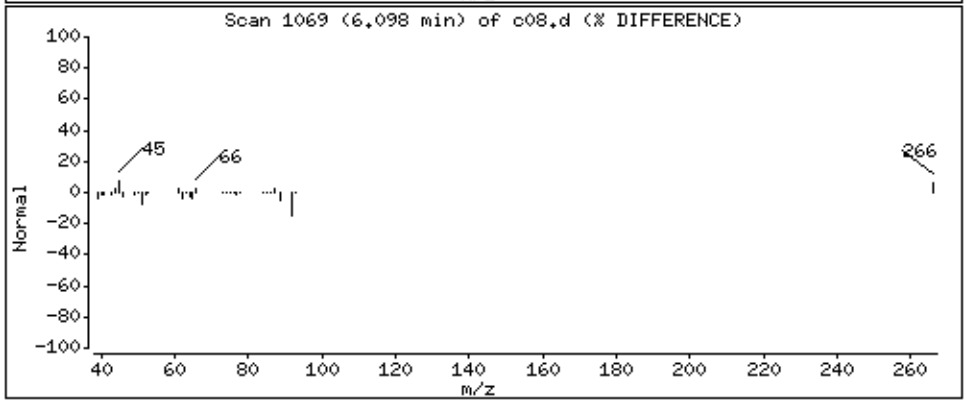
Concentration: 0.587 ppb

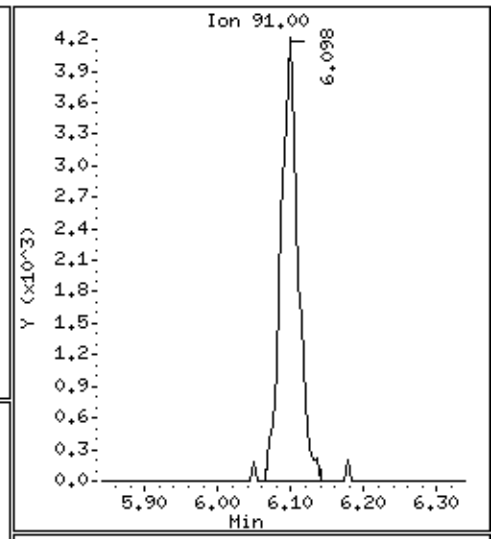
Review Code:

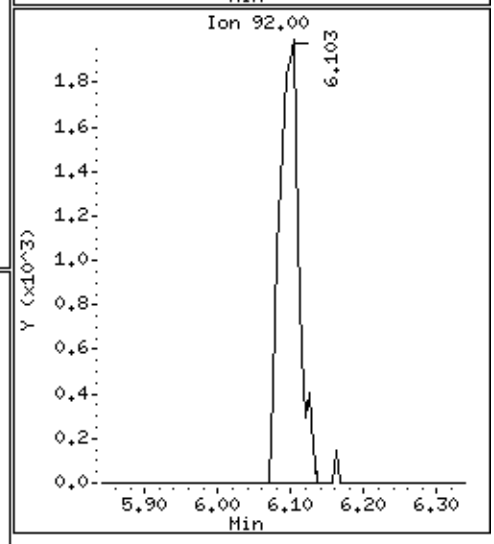












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Injection Date: 07-OCT-2016 04:29
Instrument: 50mv3a.i
Lab Sample ID: 50155366030
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0507-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:01 Lab Sample ID: 50155366031

Date Analyzed: 10/07/2016 05:01 Lab File ID: A100616.B\C09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	9.9	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0507-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:01 Lab Sample ID: 50155366031

Date Analyzed: 10/07/2016 05:01 Lab File ID: A100616.B\C09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d
Lab Smp Id: 50155366031 Client Smp ID: MW-0507-S1(092716)P
Inj Date : 07-OCT-2016 05:01
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366031
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 65
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

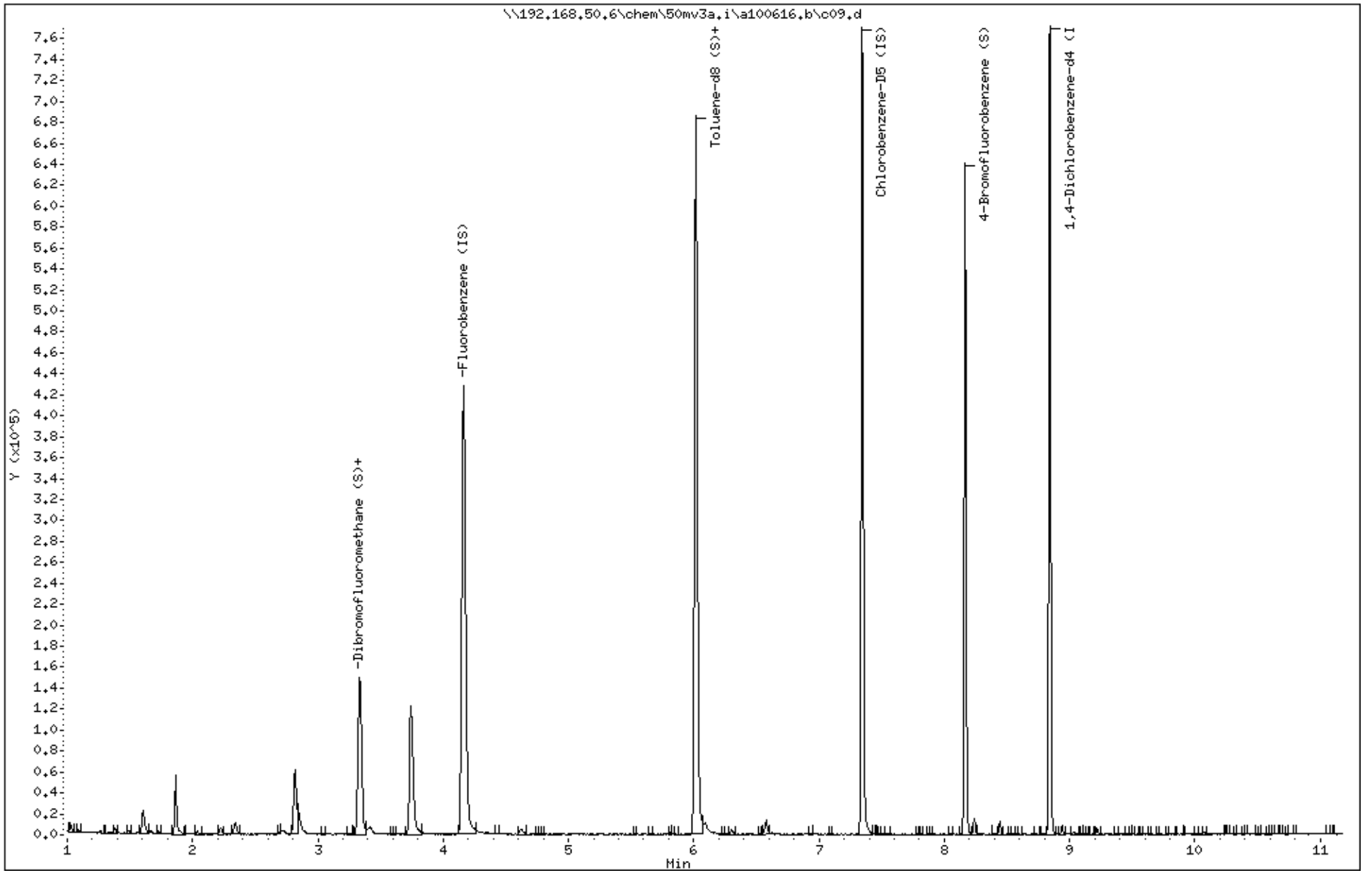
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.605	1.602	(0.386)	24758	62.5853	62.6	
	18 Methylene Chloride	84	1.867	1.864	(0.448)	17182	5.89141	5.89	
	25 1,1-Dichloroethane	63	2.342	2.340	(0.563)	9509	2.30389	2.30	
	28 1,2-Dichloroethene (cis)	96	2.817	2.815	(0.677)	23230	9.85732	9.86(Q)	
$	35 Dibromofluoromethane (S)	113	3.330	3.328	(0.800)	96048	48.2216	48.2	
	36 1,1,1-Trichloroethane	97	3.335	3.333	(0.801)	5140	1.42485	1.42	
	37 Cyclohexane	56	3.415	3.418	(0.820)	2898	0.66990	0.670	
*	45 Fluorobenzene (IS)	96	4.163	4.166	(1.000)	440486	50.0000		
	46 Trichloroethene	95	4.628	4.620	(1.112)	2172	0.94670	0.947	
$	56 Toluene-d8 (S)	98	6.017	6.020	(0.820)	425553	46.1655	46.2	
	57 Toluene	91	6.097	6.089	(0.830)	3762	0.34376	0.344	
*	66 Chlorobenzene-D5 (IS)	117	7.341	7.344	(1.000)	297286	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.112)	137087	51.7187	51.7	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.840	(1.000)	128687	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d
Date : 07-OCT-2016 05:01
Client ID: MW-0507-S1(092716)P
Sample Info: 50155366031
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

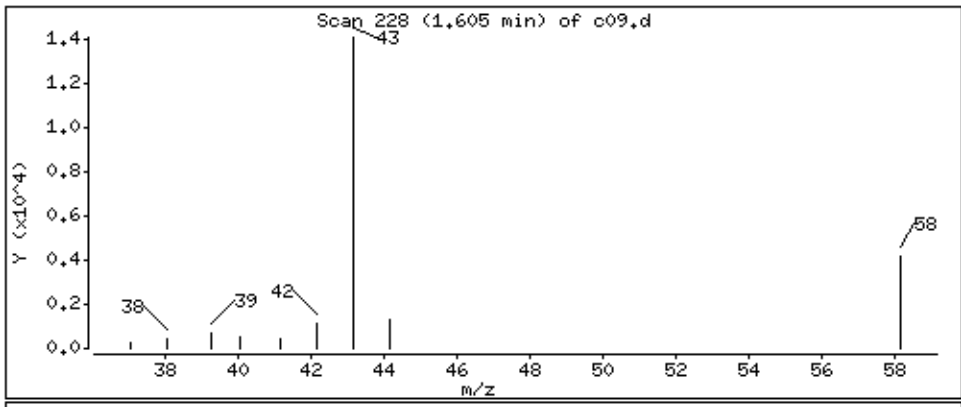
Column phase: DB-624

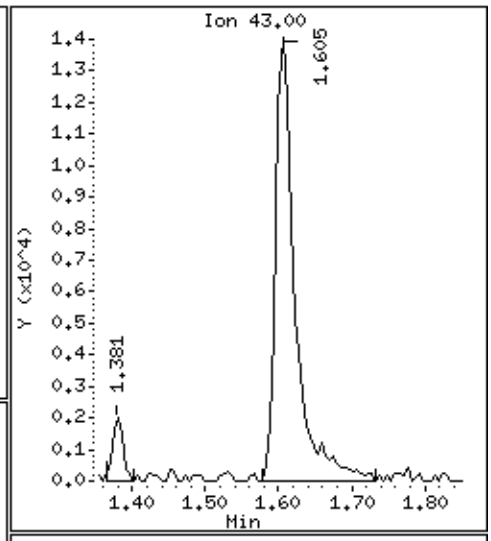
Column diameter: 0.18

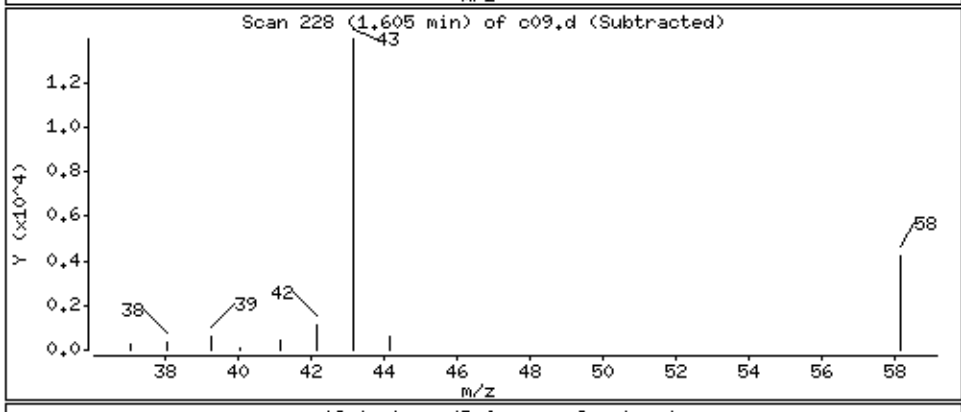
12 Acetone

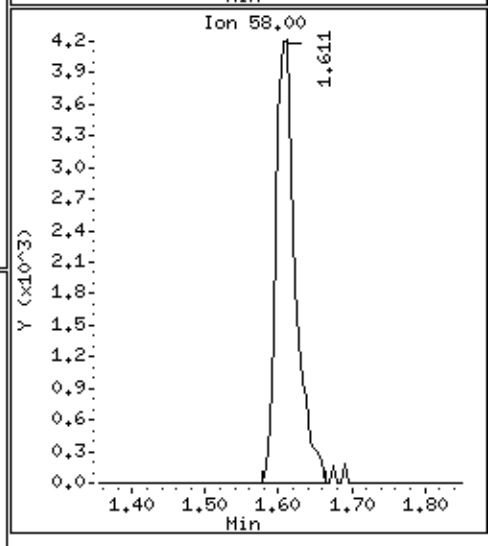
Concentration: 62.6 ppb

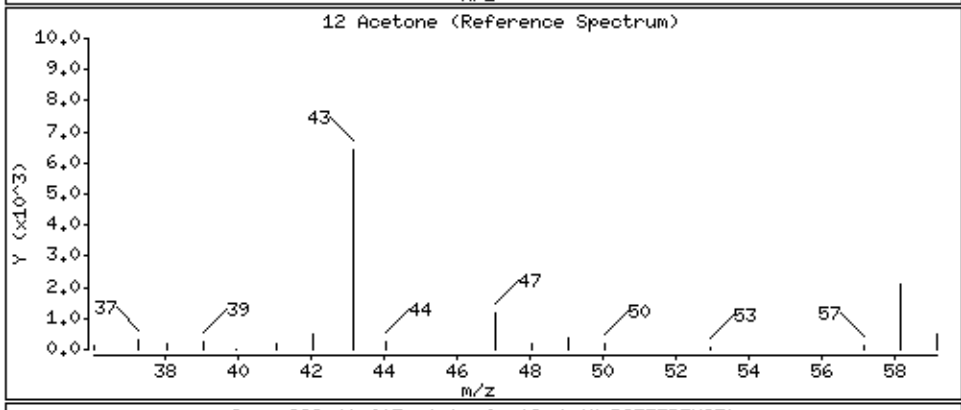
Review Code:

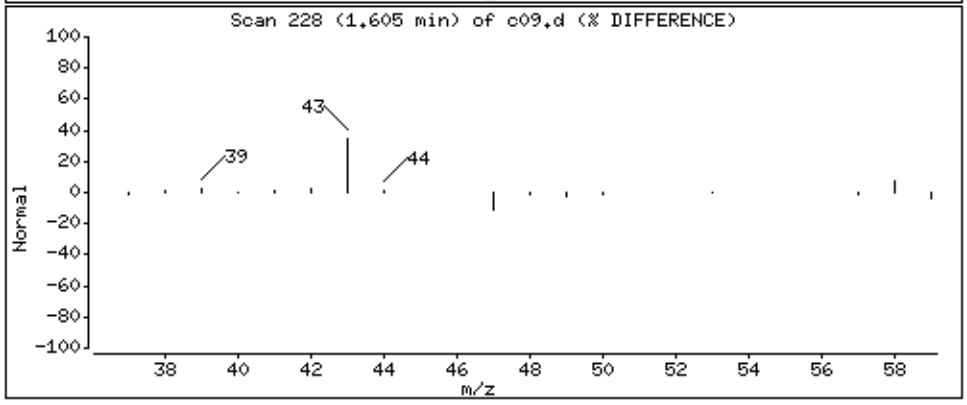












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d

Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

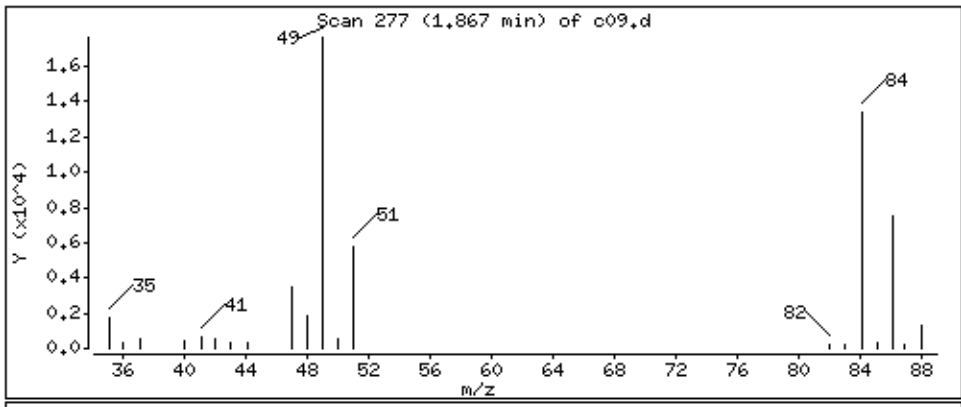
Column phase: DB-624

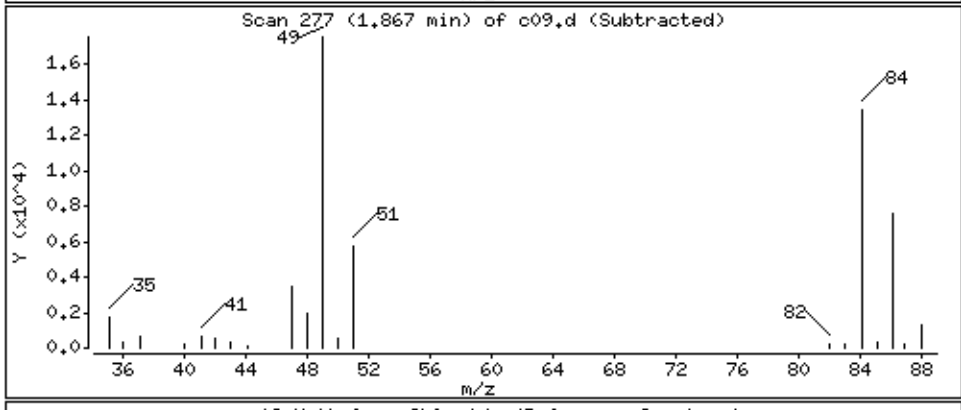
Column diameter: 0.18

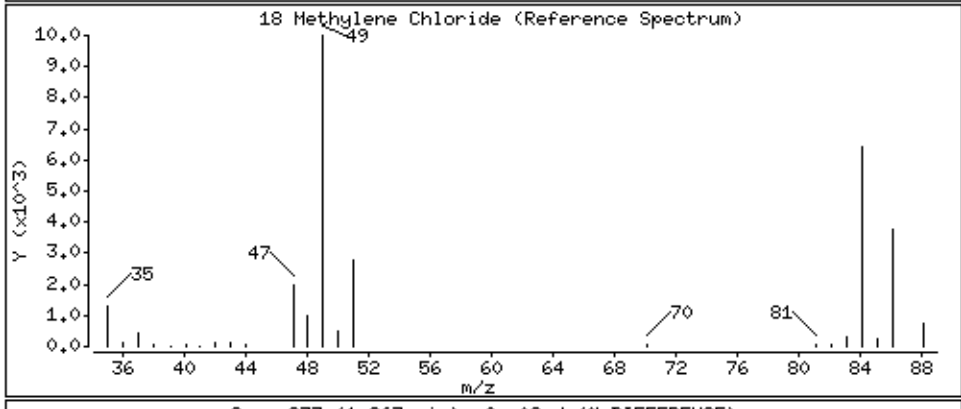
18 Methylene Chloride

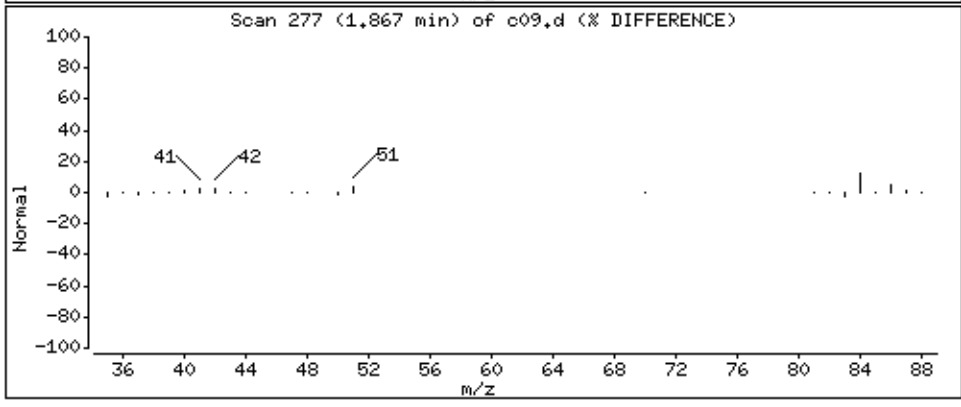
Concentration: 5.89 ppb

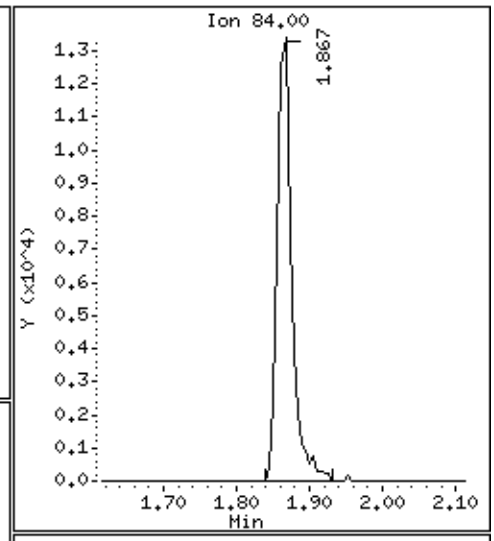
Review Code:

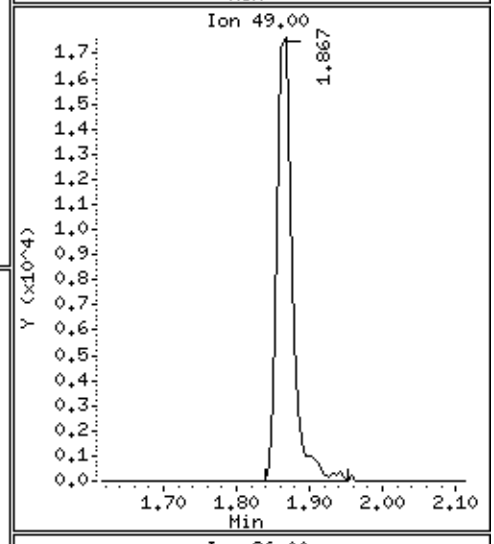


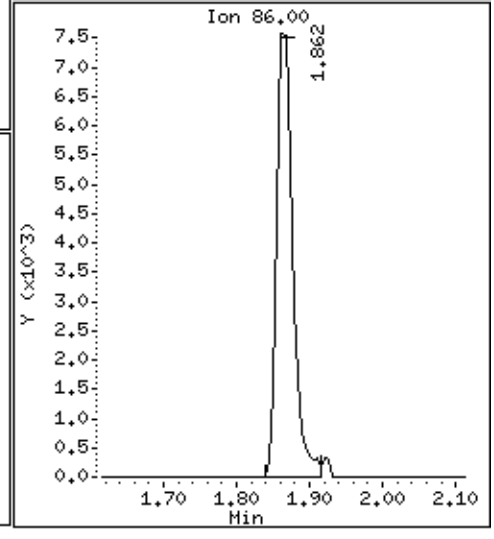












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d

Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

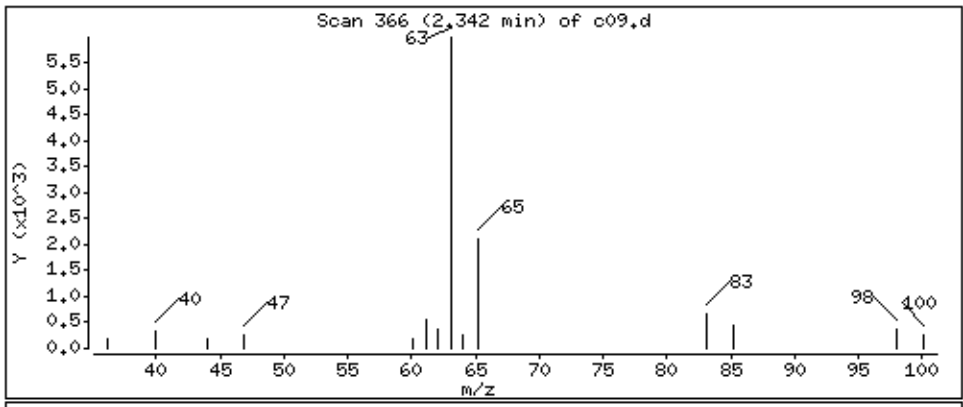
Column phase: DB-624

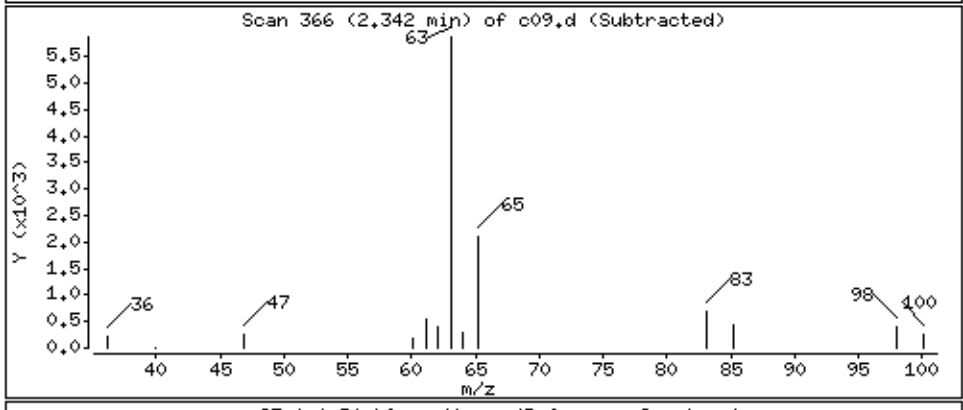
Column diameter: 0.18

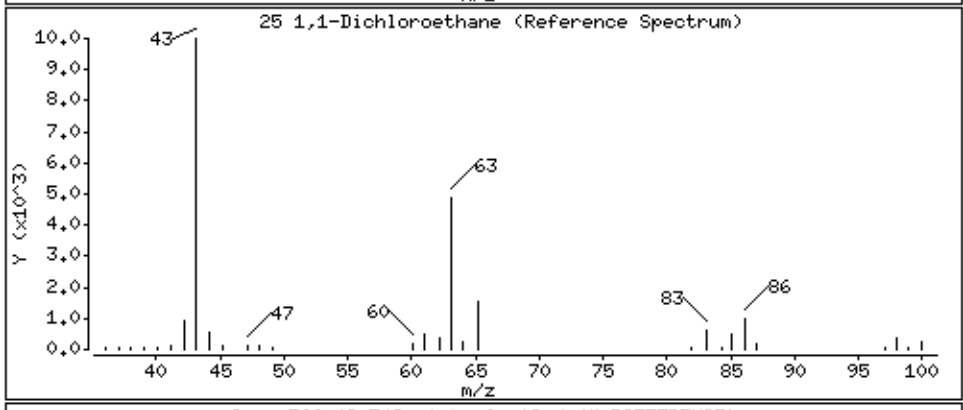
25 1,1-Dichloroethane

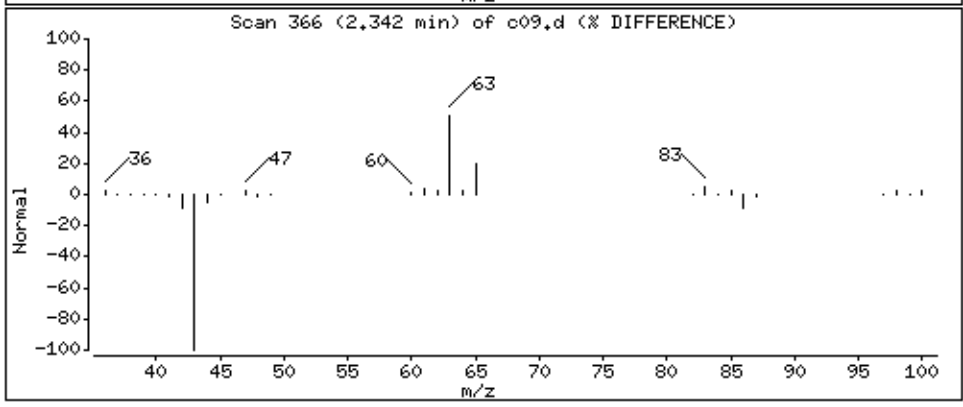
Concentration: 2.30 ppb

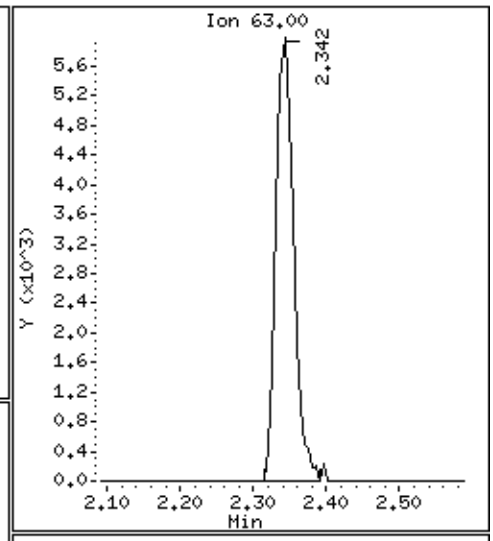
Review Code:

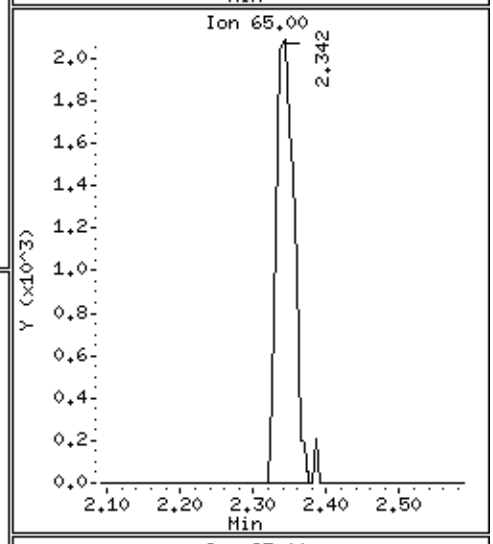


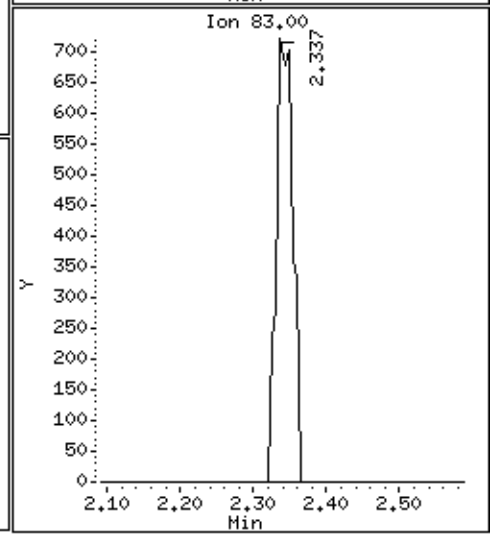












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d

Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

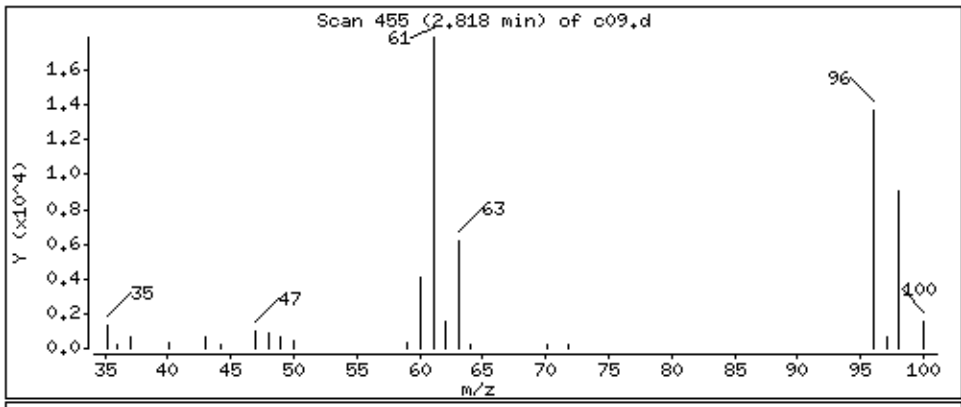
Column phase: DB-624

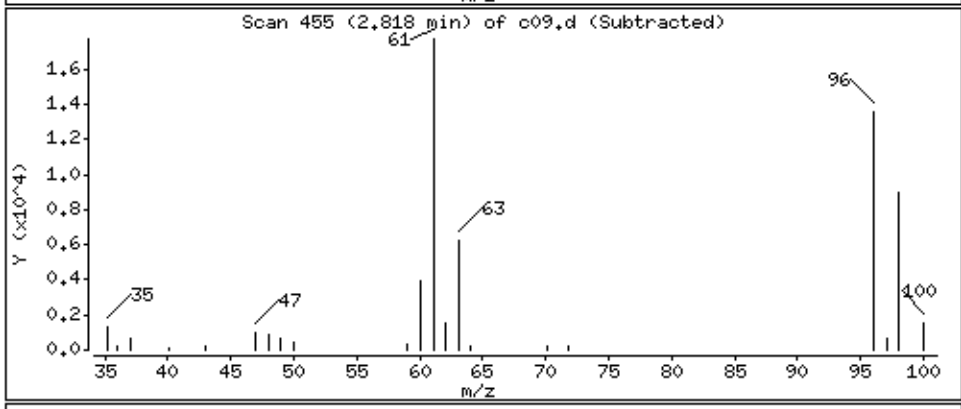
Column diameter: 0.18

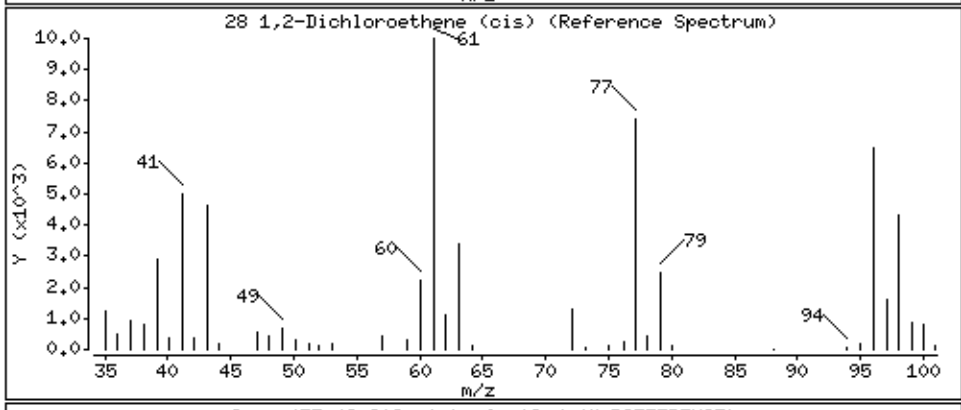
28 1,2-Dichloroethene (cis)

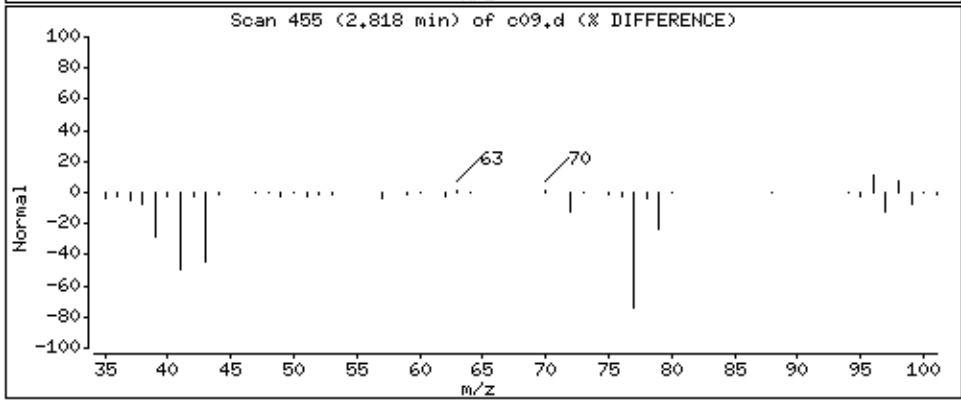
Concentration: 9.86 ppb

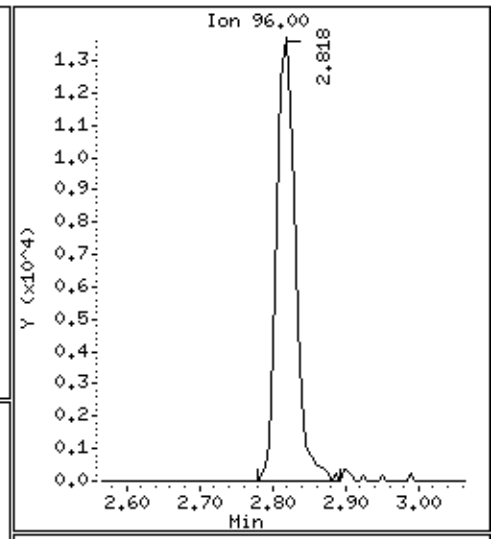
Review Code:

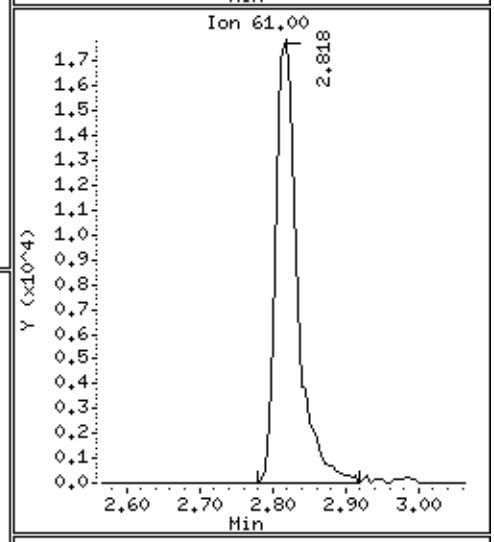


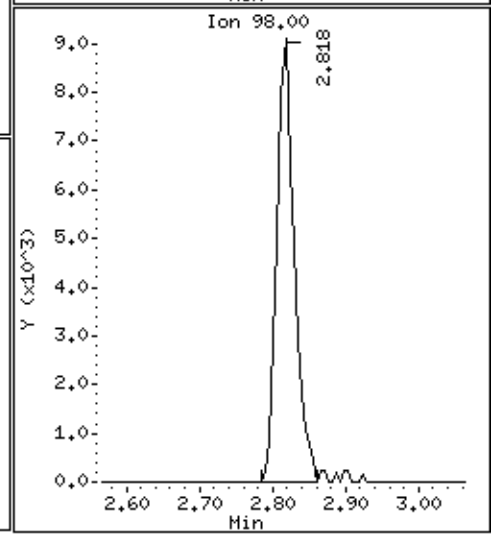












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d

Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

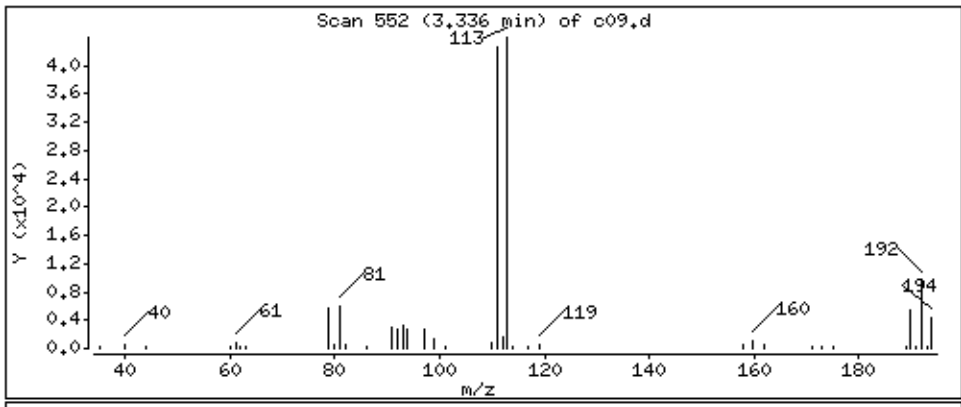
Column phase: DB-624

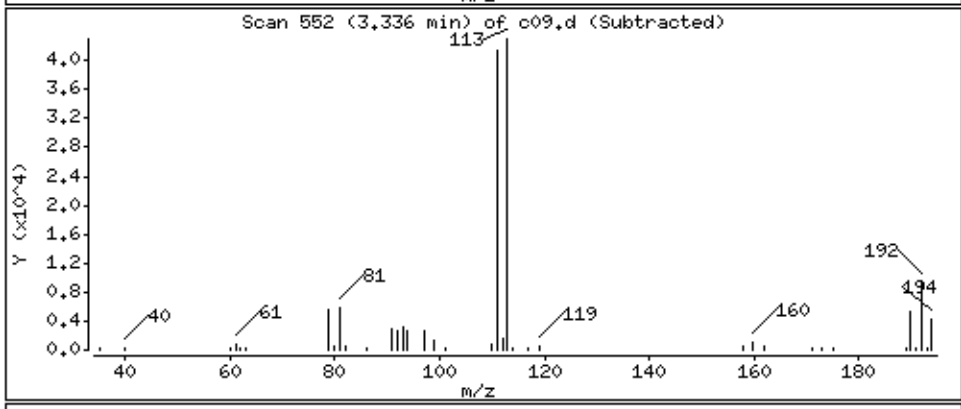
Column diameter: 0.18

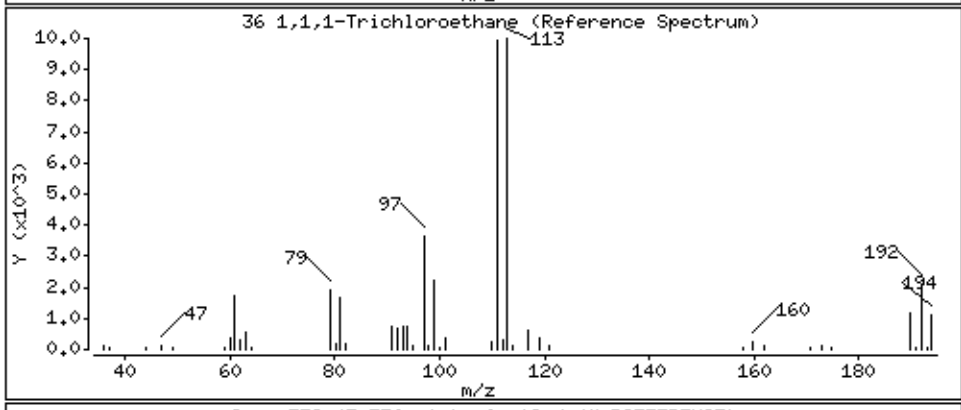
36 1,1,1-Trichloroethane

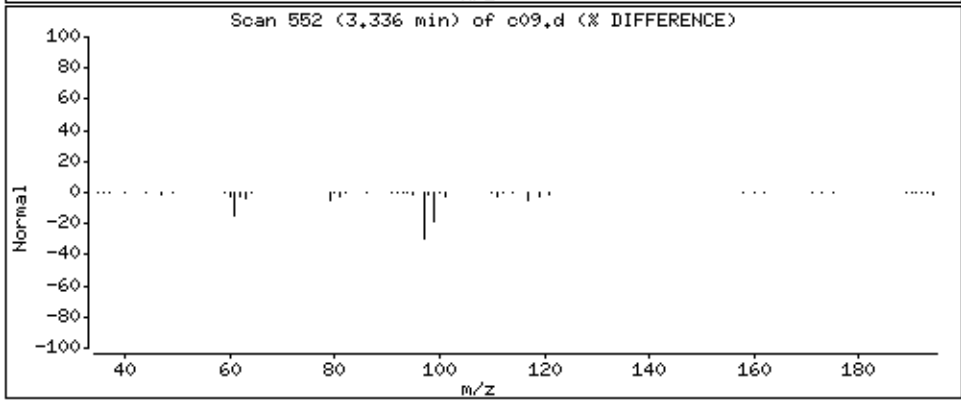
Concentration: 1.42 ppb

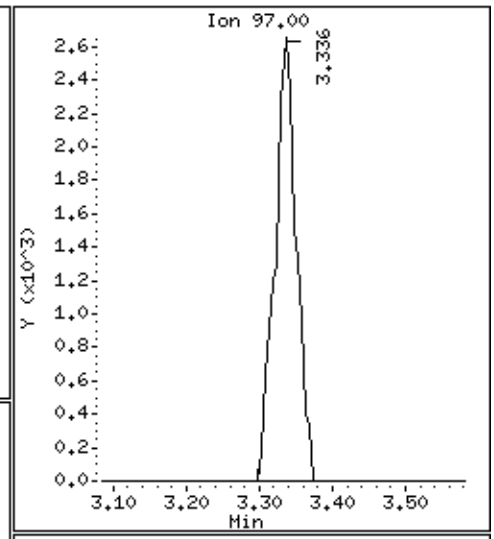
Review Code:

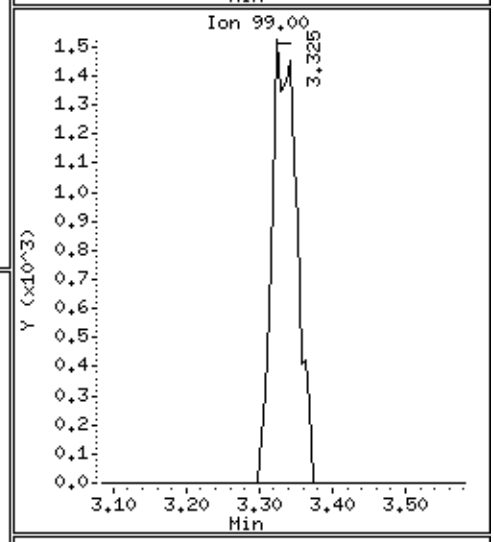


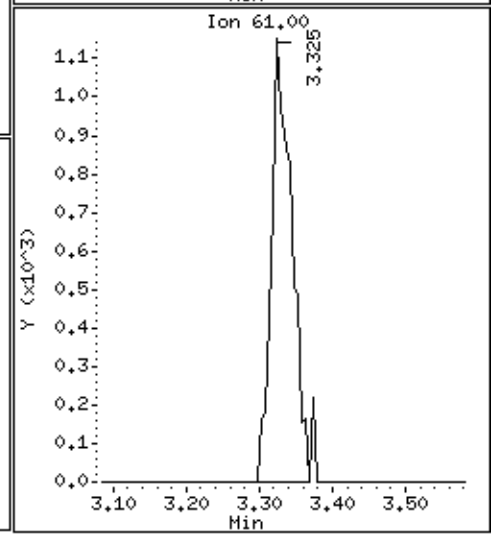












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d

Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

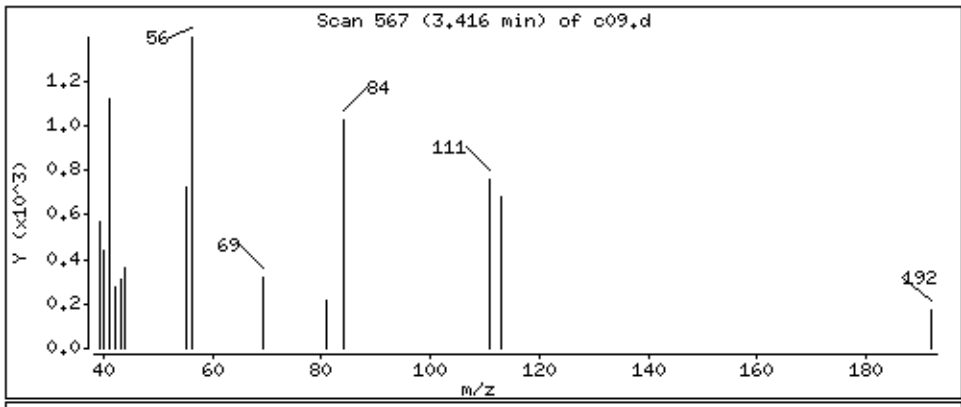
Column phase: DB-624

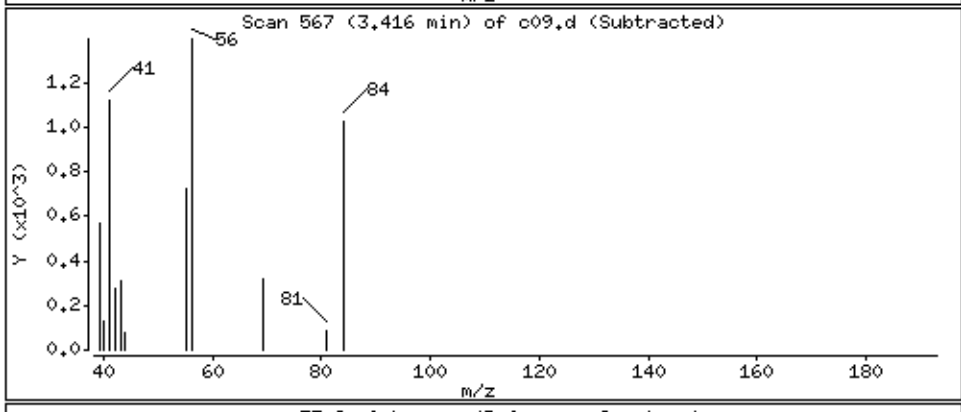
Column diameter: 0.18

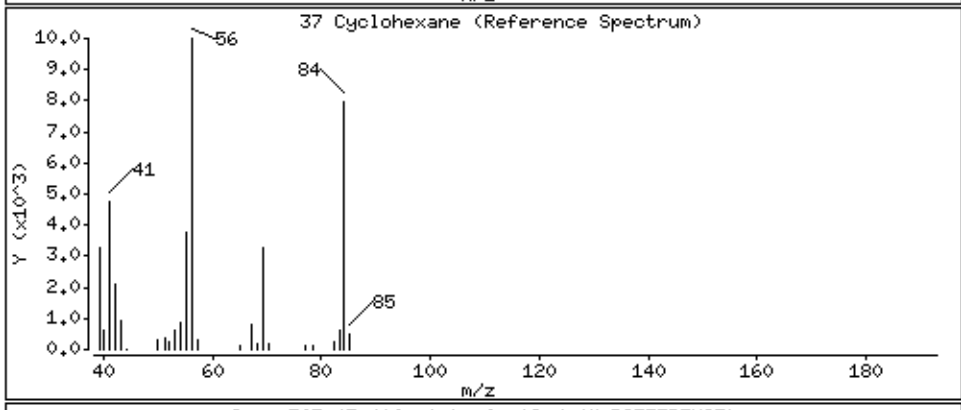
37 Cyclohexane

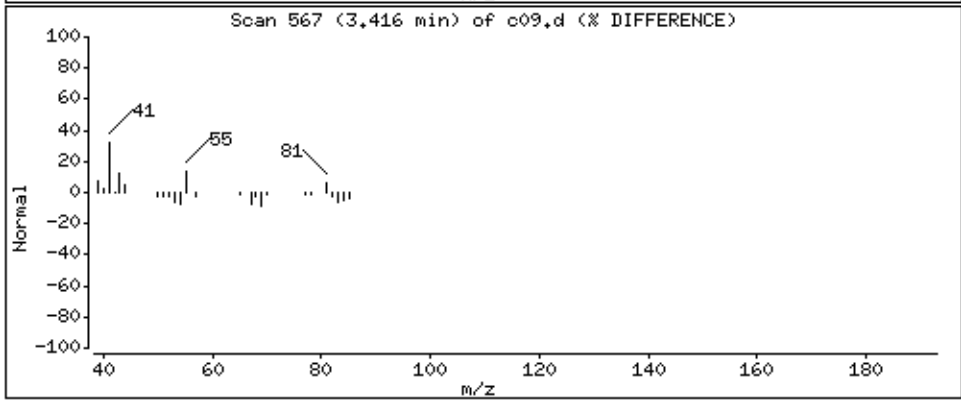
Concentration: 0.670 ppb

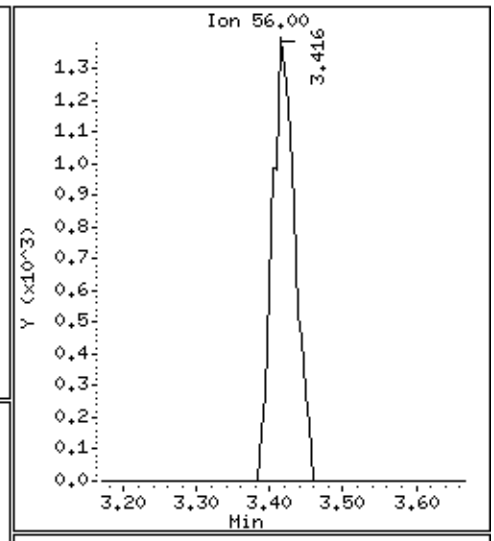
Review Code:

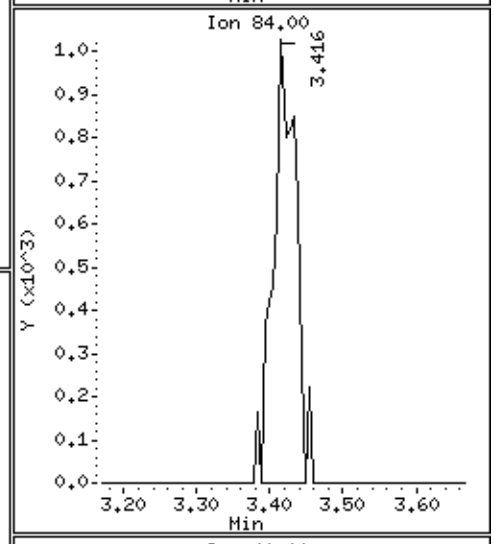


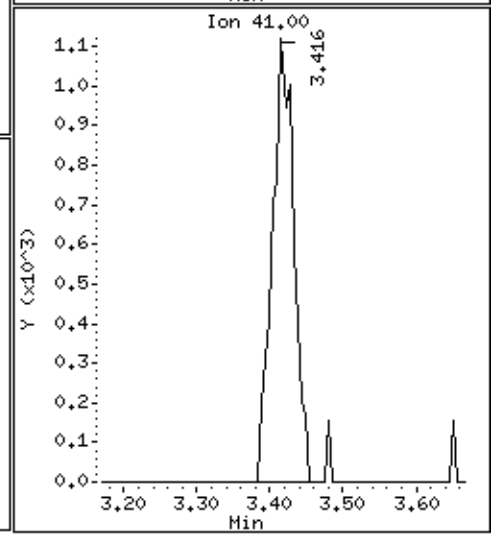












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Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

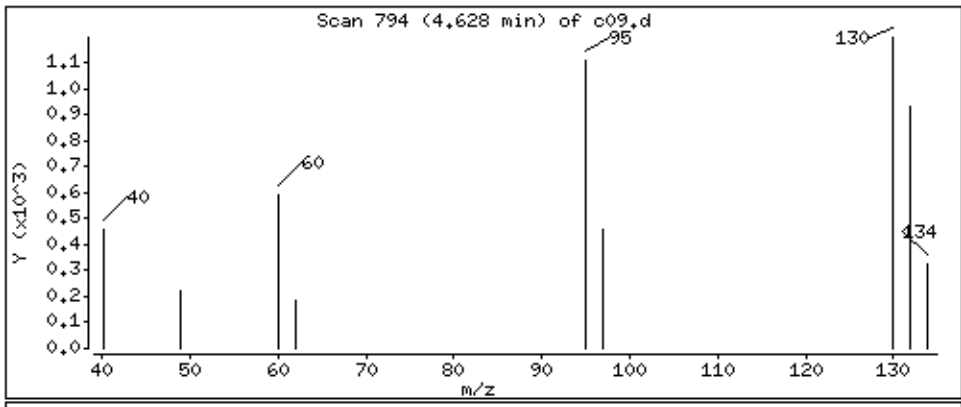
Column phase: DB-624

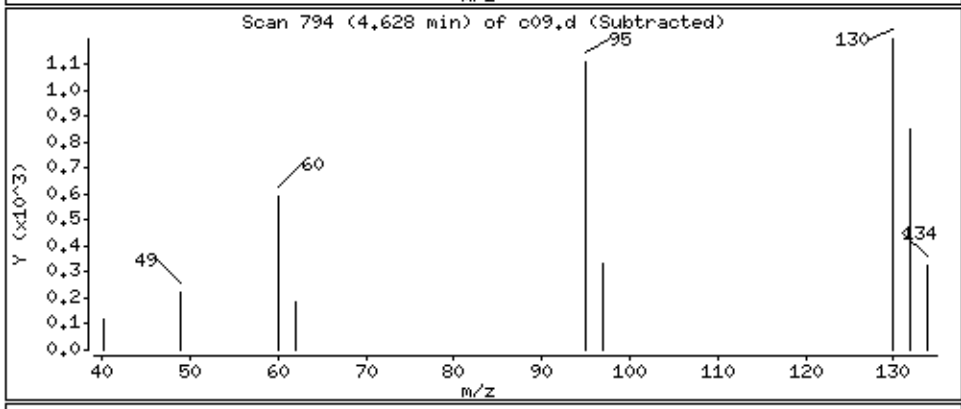
Column diameter: 0.18

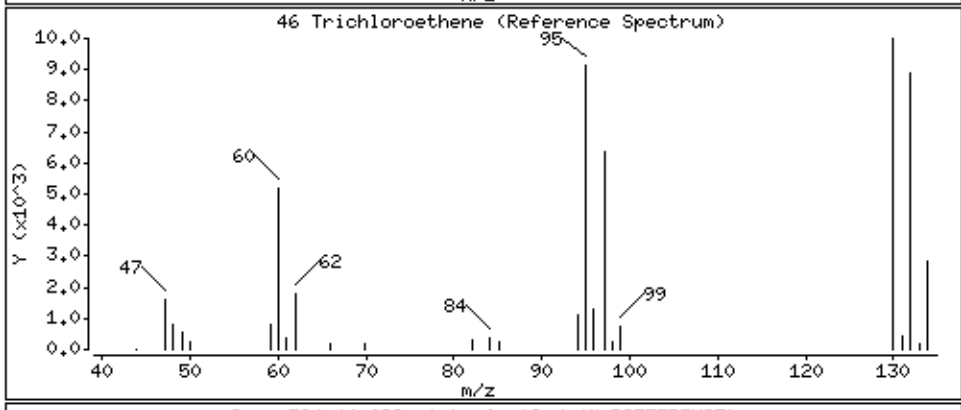
46 Trichloroethene

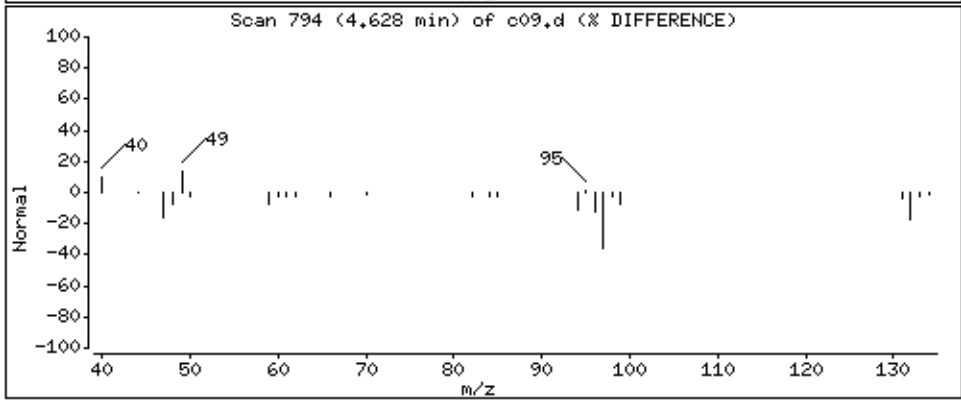
Concentration: 0.947 ppb

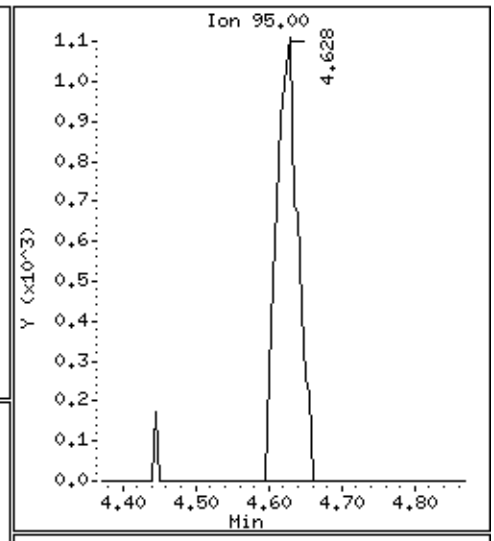
Review Code:

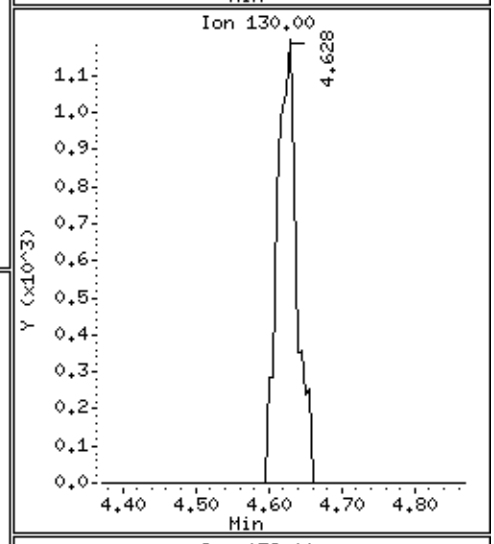


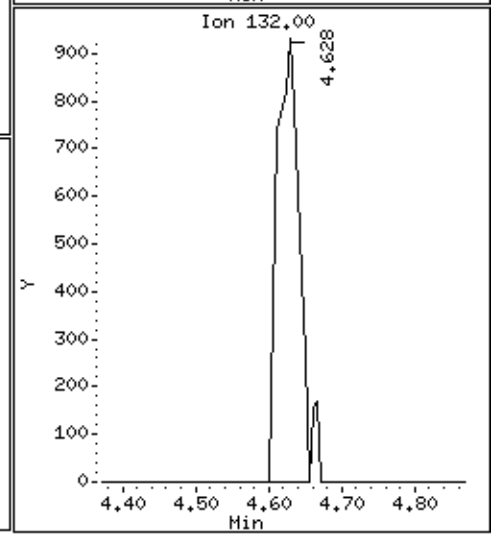












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c09.d

Date : 07-OCT-2016 05:01

Client ID: MW-0507-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366031

Purge Volume: 5.0

Operator: jlz

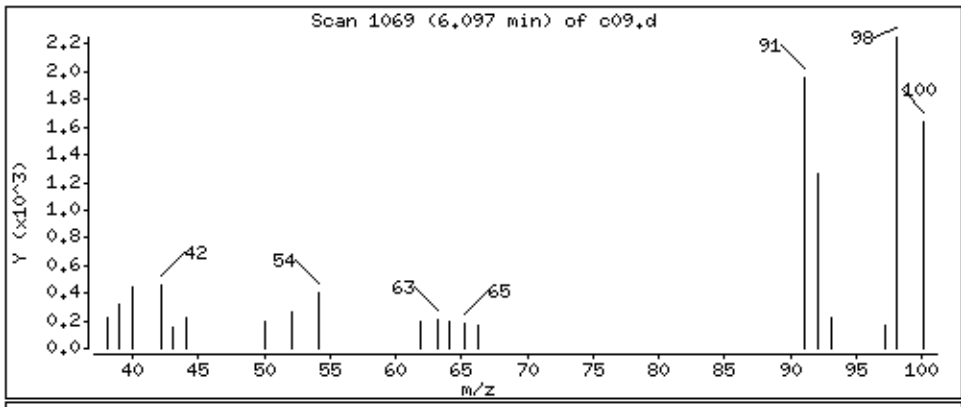
Column phase: DB-624

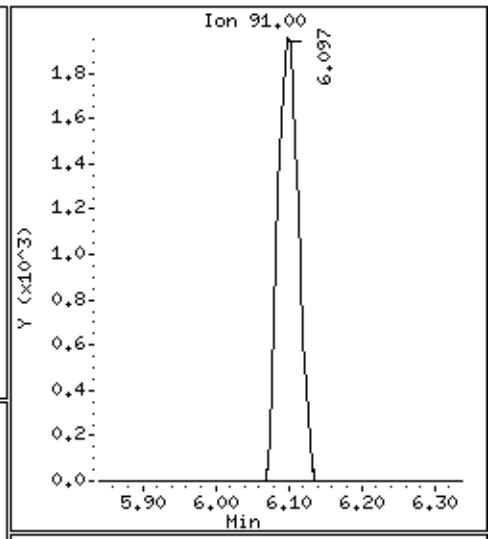
Column diameter: 0.18

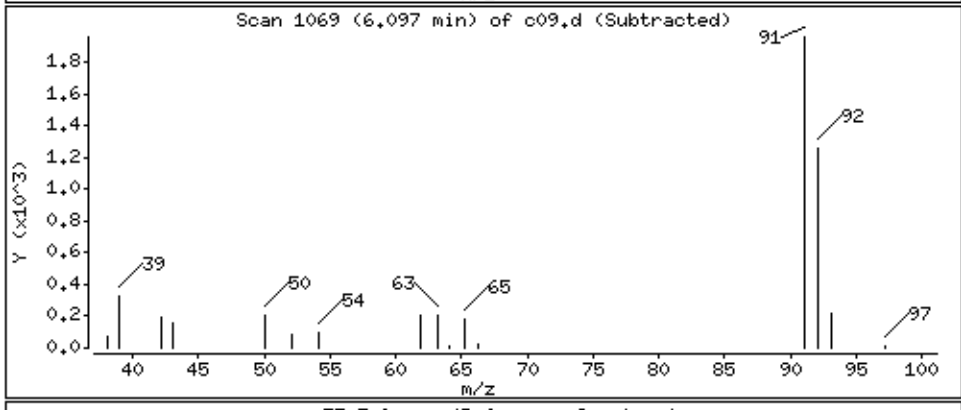
57 Toluene

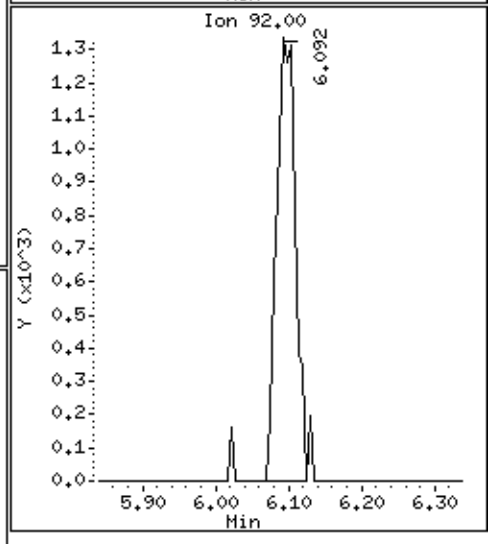
Concentration: 0.344 ppb

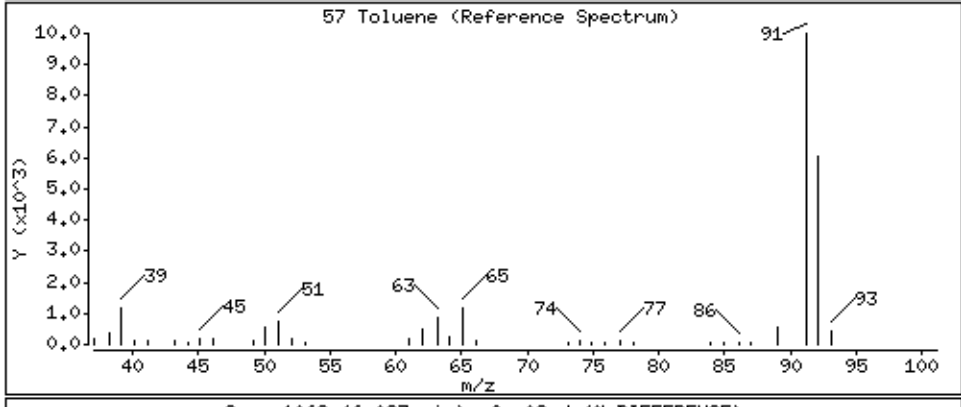
Review Code:

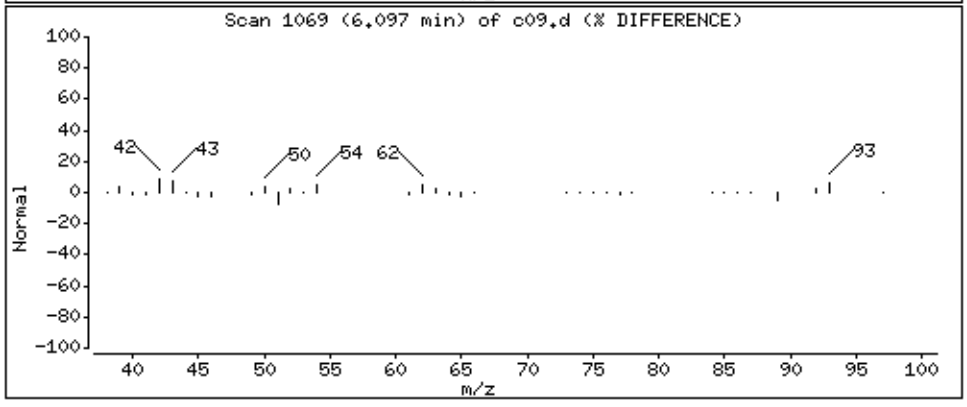












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c09.d
Injection Date: 07-OCT-2016 05:01
Instrument: 50mv3a.i
Lab Sample ID: 50155366031
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0503-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:33 Lab Sample ID: 50155366032

Date Analyzed: 10/07/2016 05:33 Lab File ID: A100616.B\C10.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	217	
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0503-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 05:33 Lab Sample ID: 50155366032

Date Analyzed: 10/07/2016 05:33 Lab File ID: A100616.B\C10.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c10.d
Lab Smp Id: 50155366032 Client Smp ID: MW-0503-S1(092716)P
Inj Date : 07-OCT-2016 05:33
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366032
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 67
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

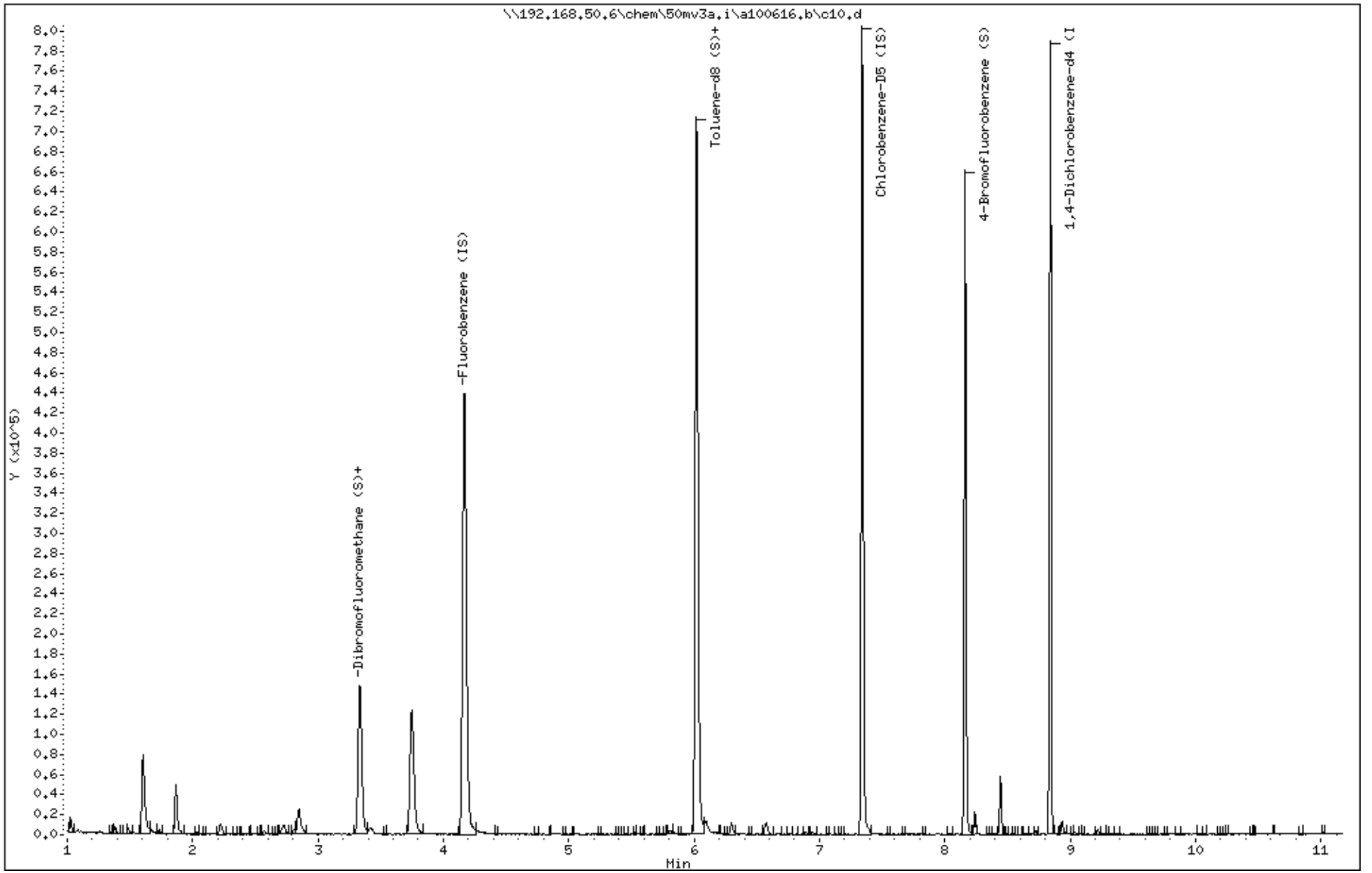
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.605	1.602	(0.386)	88645	217.207	217	
	18 Methylene Chloride	84	1.861	1.864	(0.447)	14862	4.39678	4.40	
$	35 Dibromofluoromethane (S)	113	3.335	3.328	(0.801)	96601	47.0107	47.0	
	37 Cyclohexane	56	3.415	3.418	(0.820)	2480	0.55568	0.556	
*	45 Fluorobenzene (IS)	96	4.163	4.166	(1.000)	454433	50.0000		
$	56 Toluene-d8 (S)	98	6.017	6.020	(0.820)	430930	45.6788	45.7	
	57 Toluene	91	6.097	6.089	(0.830)	5505	0.49151	0.492	
*	66 Chlorobenzene-D5 (IS)	117	7.341	7.344	(1.000)	304250	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.112)	138590	51.0890	51.1	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.840	(1.000)	132744	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c10.d
Date : 07-OCT-2016 05:33
Client ID: MW-0503-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 50155366032
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 05:33

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366032

Purge Volume: 5.0

Operator: jlz

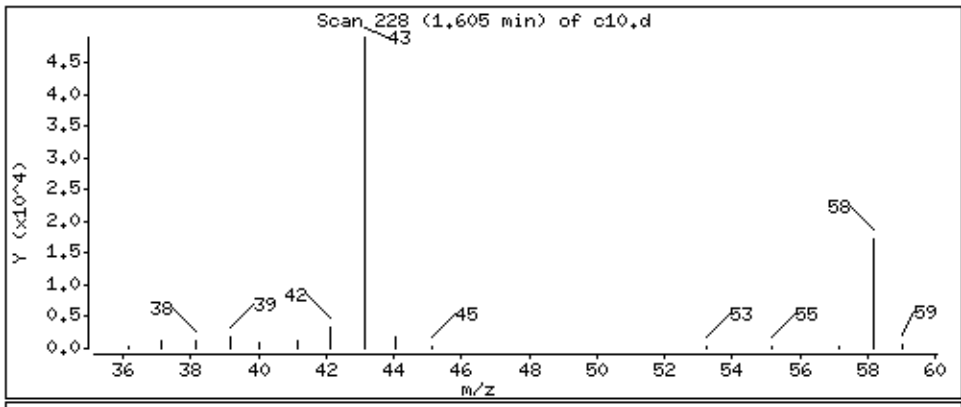
Column phase: DB-624

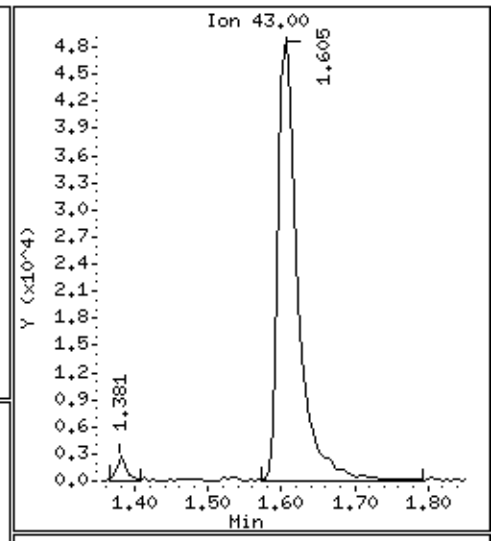
Column diameter: 0.18

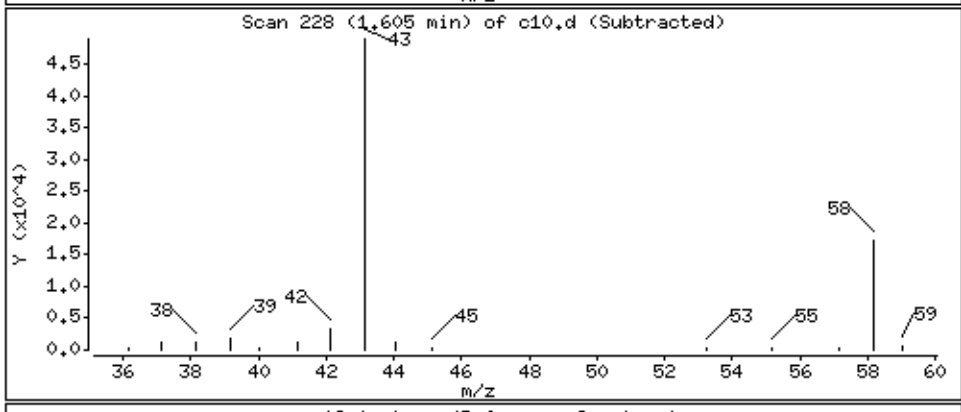
12 Acetone

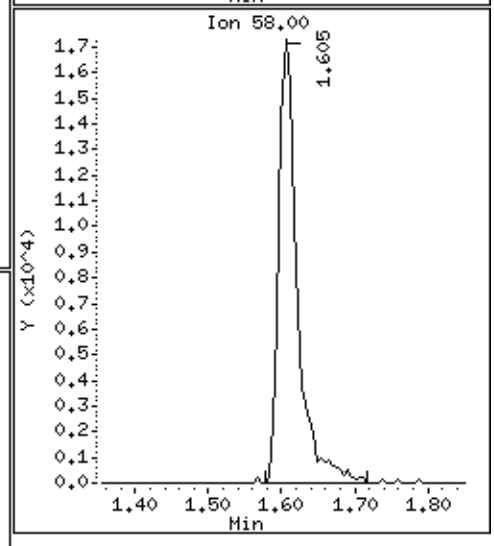
Concentration: 217 ppb

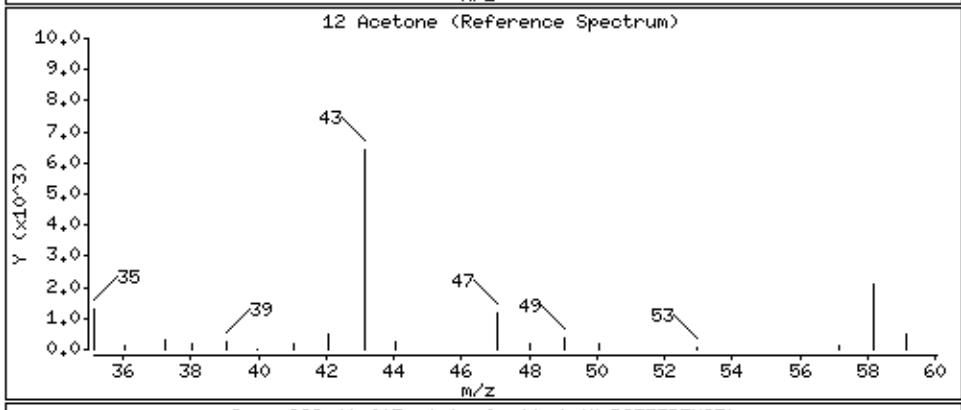
Review Code:

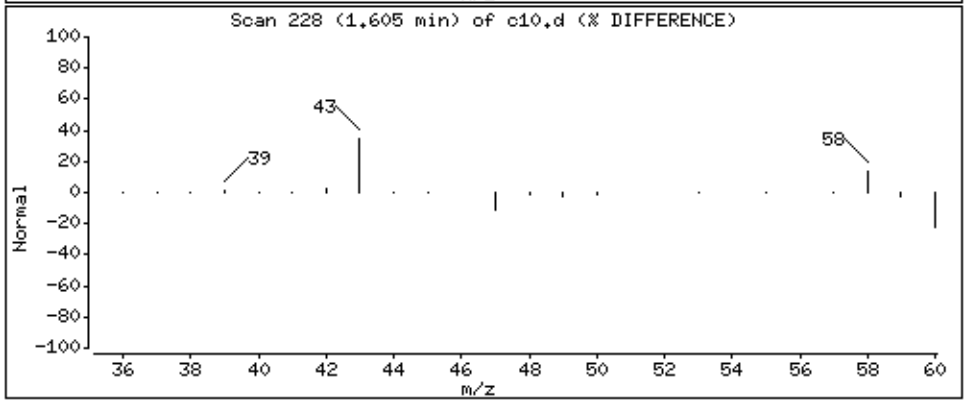












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c10.d

Date : 07-OCT-2016 05:33

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366032

Purge Volume: 5.0

Operator: jlz

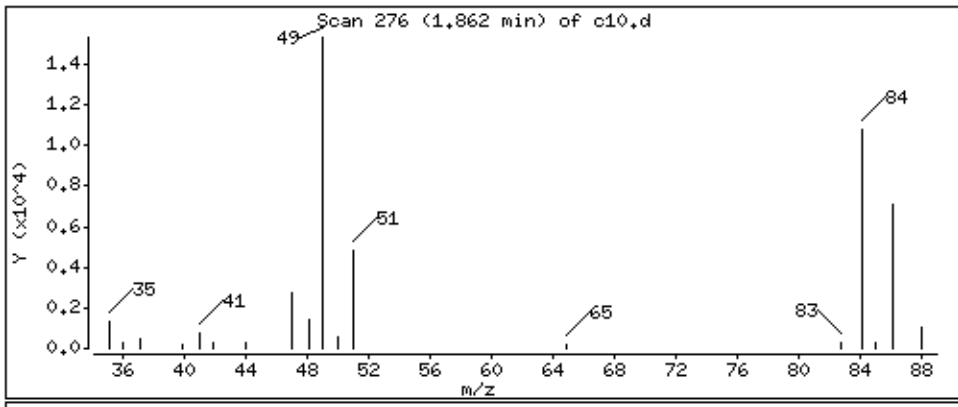
Column phase: DB-624

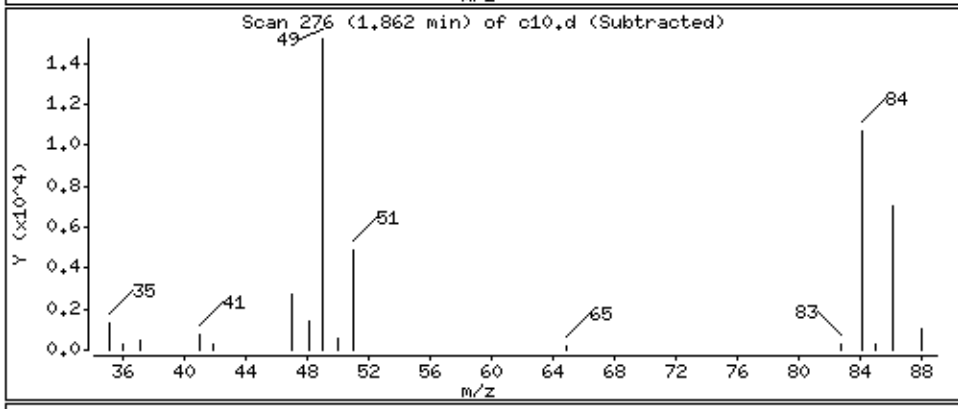
Column diameter: 0.18

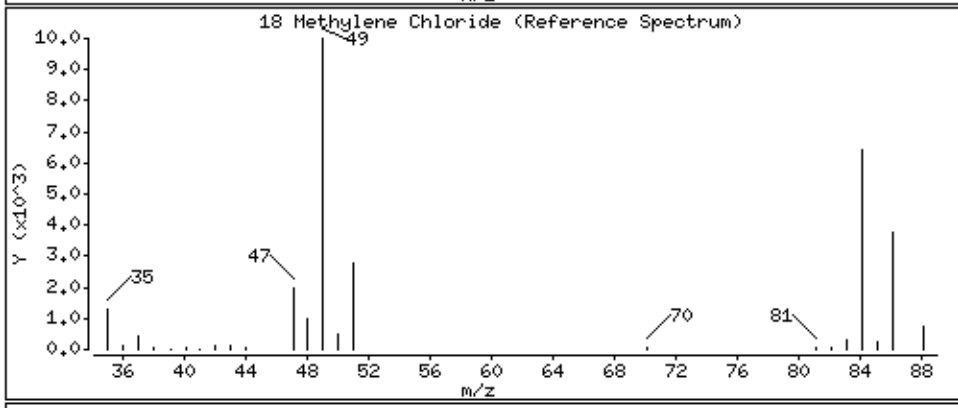
18 Methylene Chloride

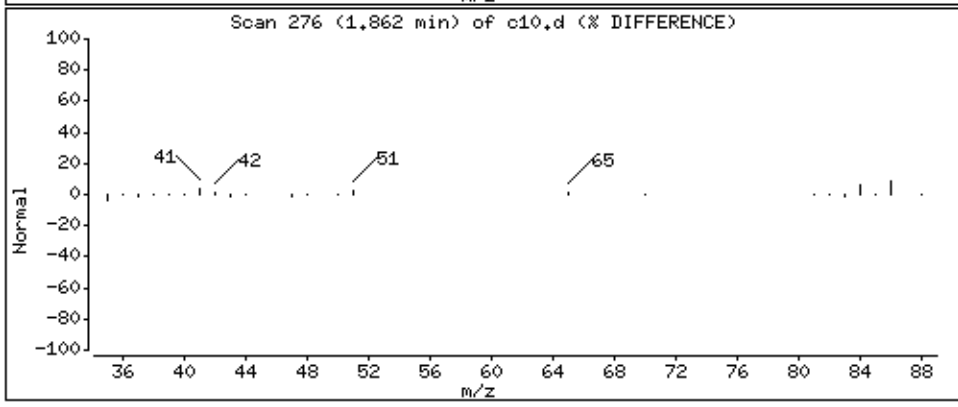
Concentration: 4.40 ppb

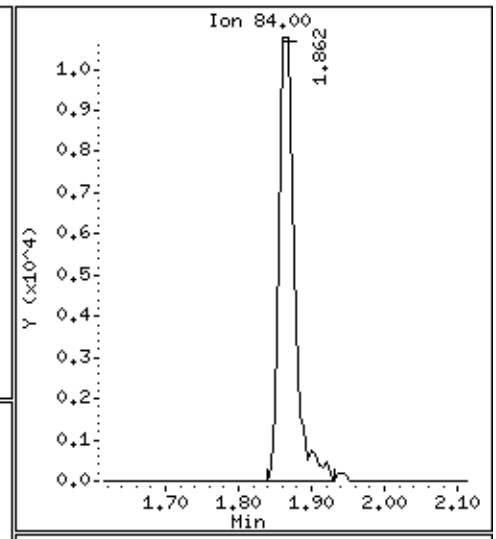
Review Code:

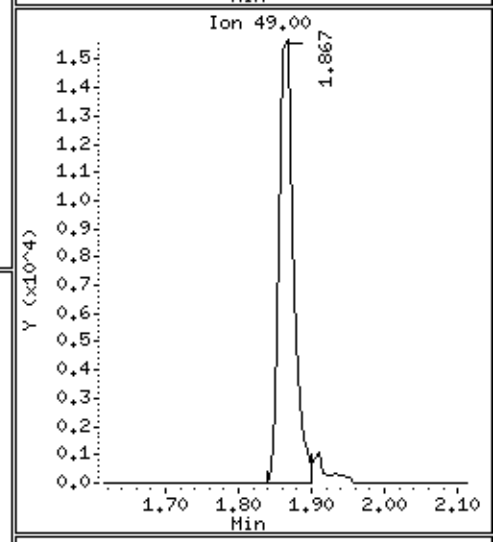


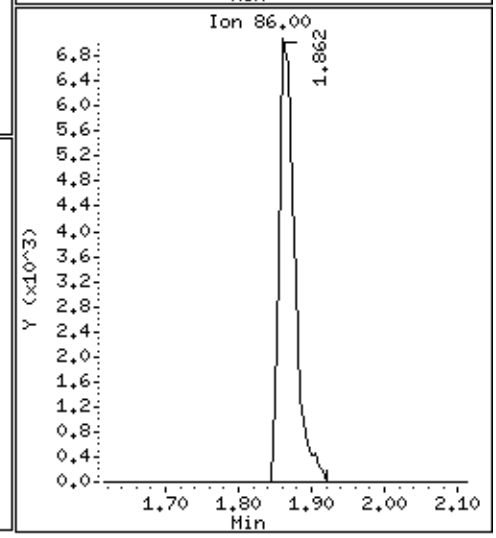












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c10.d

Date : 07-OCT-2016 05:33

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366032

Purge Volume: 5.0

Operator: jlz

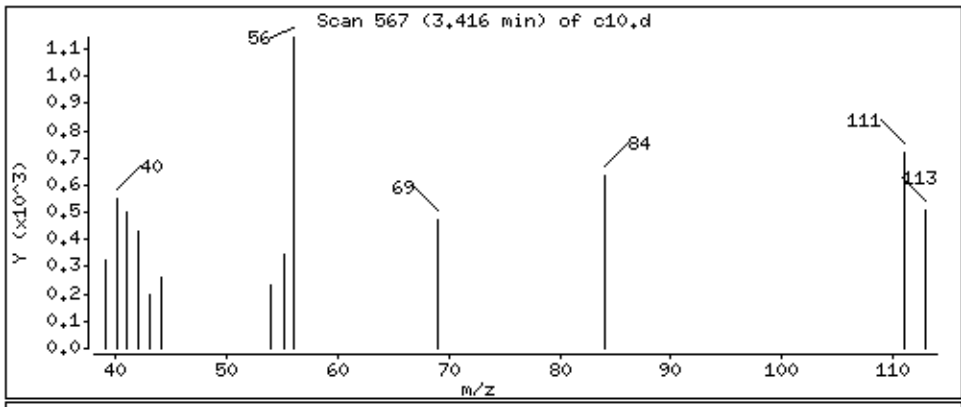
Column phase: DB-624

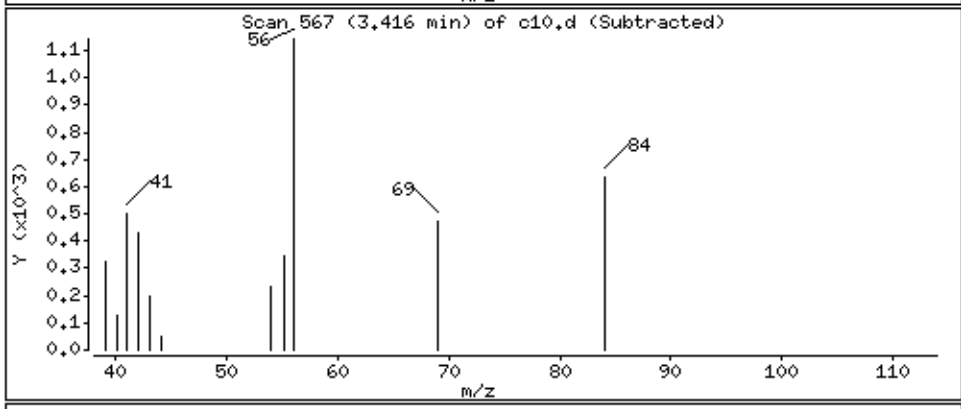
Column diameter: 0.18

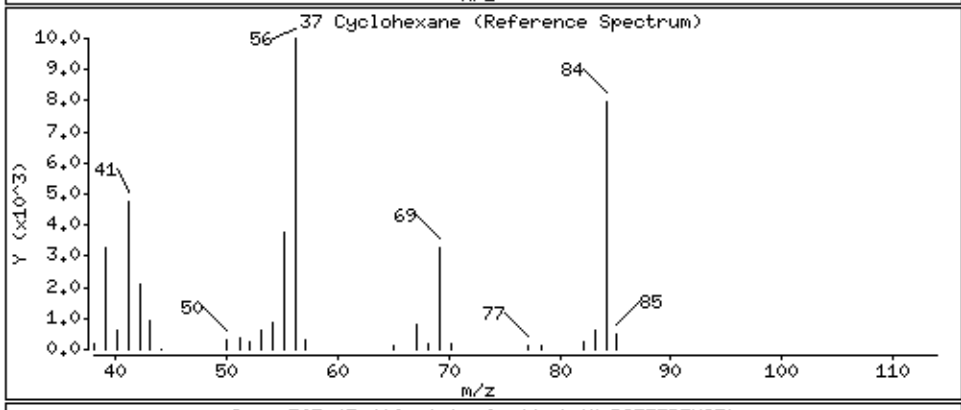
37 Cyclohexane

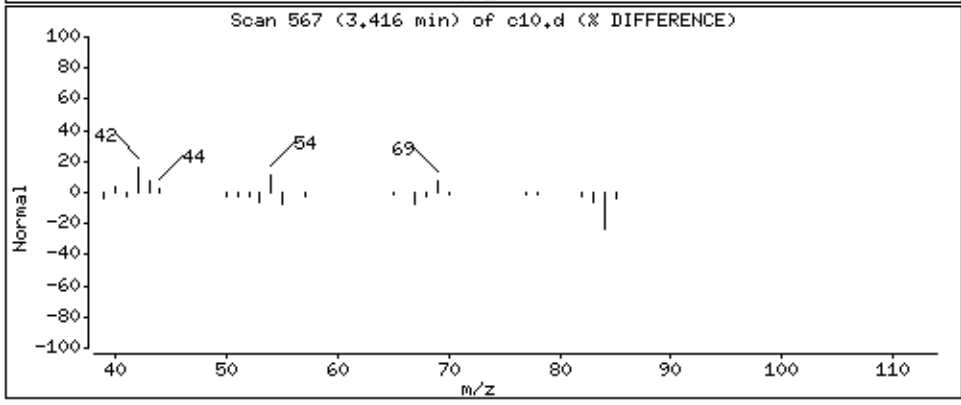
Concentration: 0.556 ppb

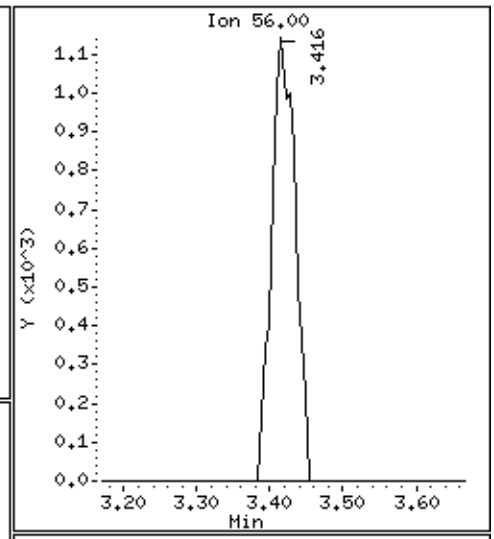
Review Code:

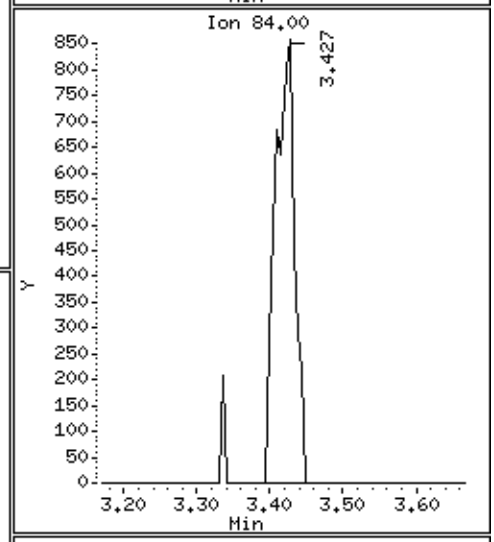


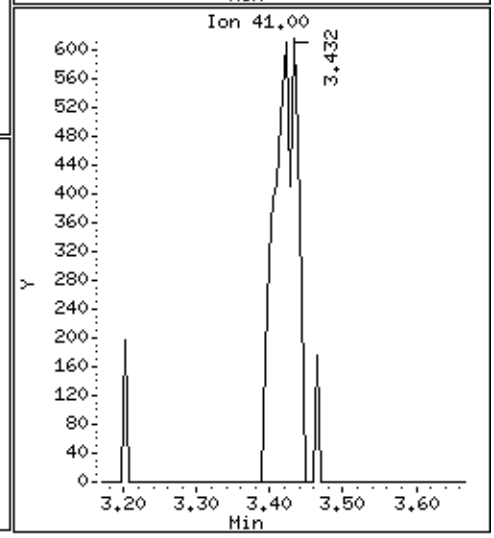












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c10.d

Date : 07-OCT-2016 05:33

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366032

Purge Volume: 5.0

Operator: jlz

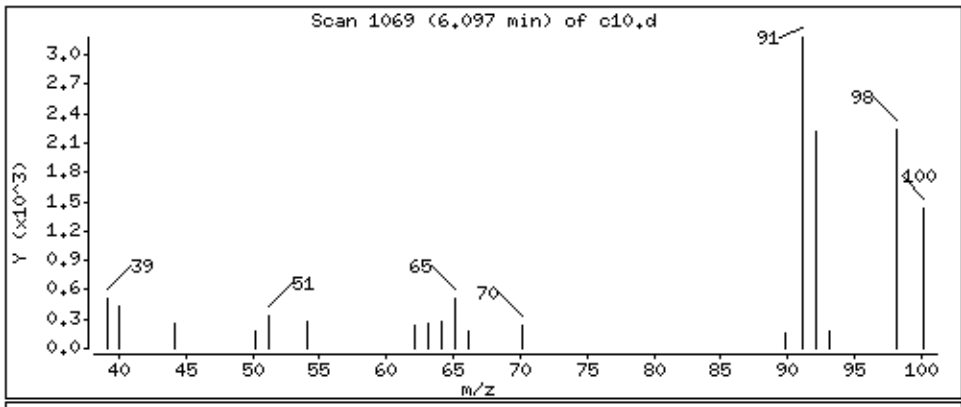
Column phase: DB-624

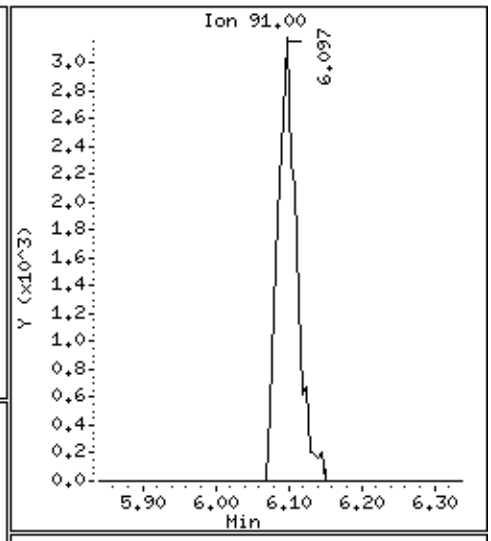
Column diameter: 0.18

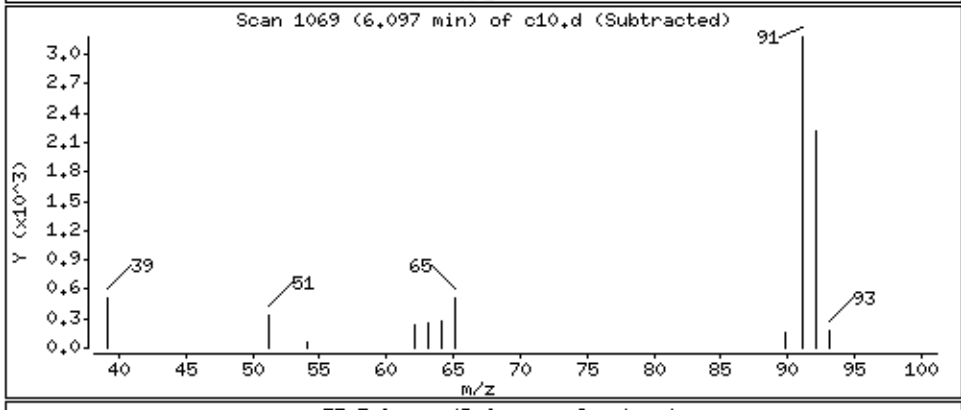
57 Toluene

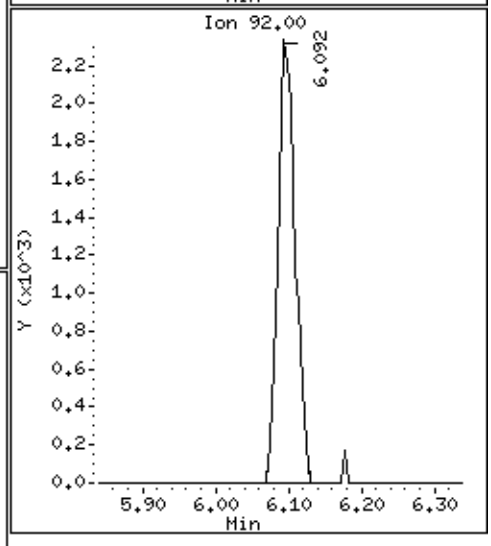
Concentration: 0.492 ppb

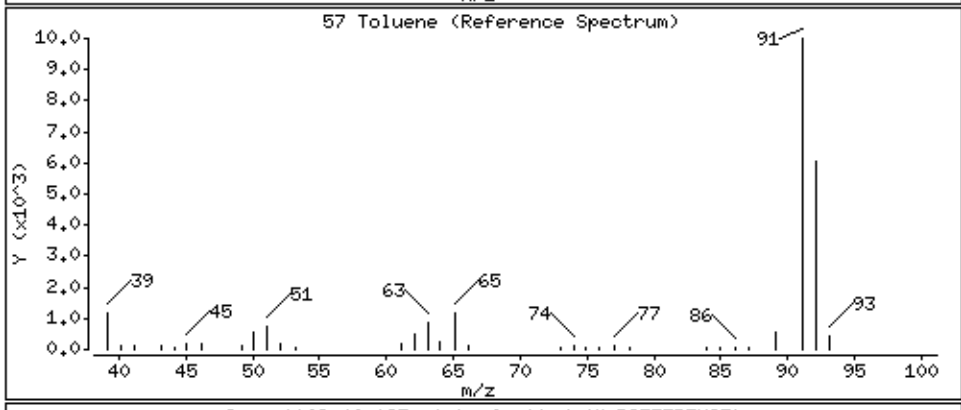
Review Code:

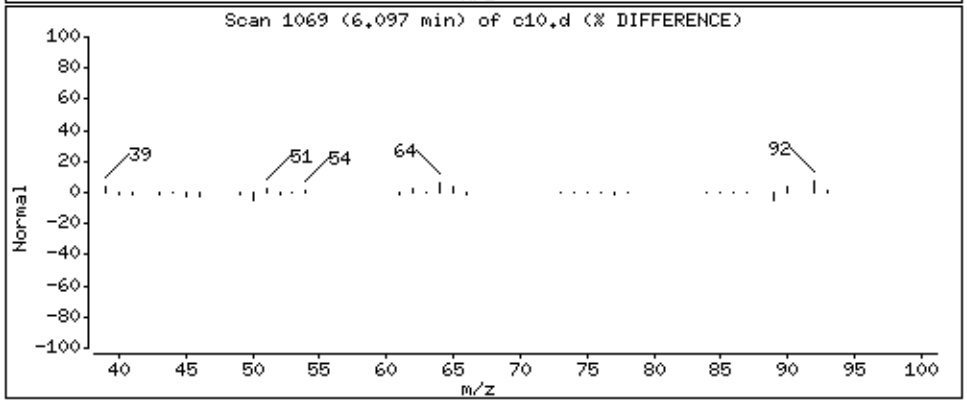












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c10.d
Injection Date: 07-OCT-2016 05:33
Instrument: 50mv3a.i
Lab Sample ID: 50155366032
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0517-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana | Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 | Matrix: Water | SDG No.: 50155366

Date Extracted: 10/07/2016 07:09 | Lab Sample ID: 50155366033

Date Analyzed: 10/07/2016 07:09 | Lab File ID: A100616.B\C13.D

Initial wt/vol: 5 mL | Final wt/vol: 5 mL | Dilution: 1 | Instrument: 50MV3A | Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	145	
156-60-5	trans-1,2-Dichloroethene	42.0	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0517-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 07:09 Lab Sample ID: 50155366033

Date Analyzed: 10/07/2016 07:09 Lab File ID: A100616.B\C13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d
Lab Smp Id: 50155366033 Client Smp ID: MW-0517-S1(092716)P
Inj Date : 07-OCT-2016 07:09
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366033
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 73
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.603	1.602	(0.385)	28587	70.8688	70.9	
	18 Methylene Chloride	84	1.865	1.864	(0.448)	14269	4.17472	4.17	
	22 1,2-Dichloroethene (trans)	96	2.041	2.035	(0.490)	94115	41.9599	42.0	
	28 1,2-Dichloroethene (cis)	96	2.815	2.815	(0.676)	348903	145.193	145(Q)	
$	35 Dibromofluoromethane (S)	113	3.333	3.328	(0.800)	97140	47.8279	47.8	
	37 Cyclohexane	56	3.419	3.418	(0.821)	2357	0.53432	0.534	
*	45 Fluorobenzene (IS)	96	4.167	4.166	(1.000)	449161	50.0000		
	46 Trichloroethene	95	4.621	4.620	(1.109)	1869794	799.242	799	
$	56 Toluene-d8 (S)	98	6.020	6.020	(0.820)	427241	44.8503	44.8	
	57 Toluene	91	6.095	6.089	(0.830)	3757	0.33220	0.332	
*	66 Chlorobenzene-D5 (IS)	117	7.344	7.344	(1.000)	307218	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.162	8.161	(1.111)	137290	50.1208	50.1	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.840	(1.000)	131543	50.0000		
	96 Naphthalene	128	10.010	10.009	(1.132)	2391	0.46159	0.462	

QC Flag Legend

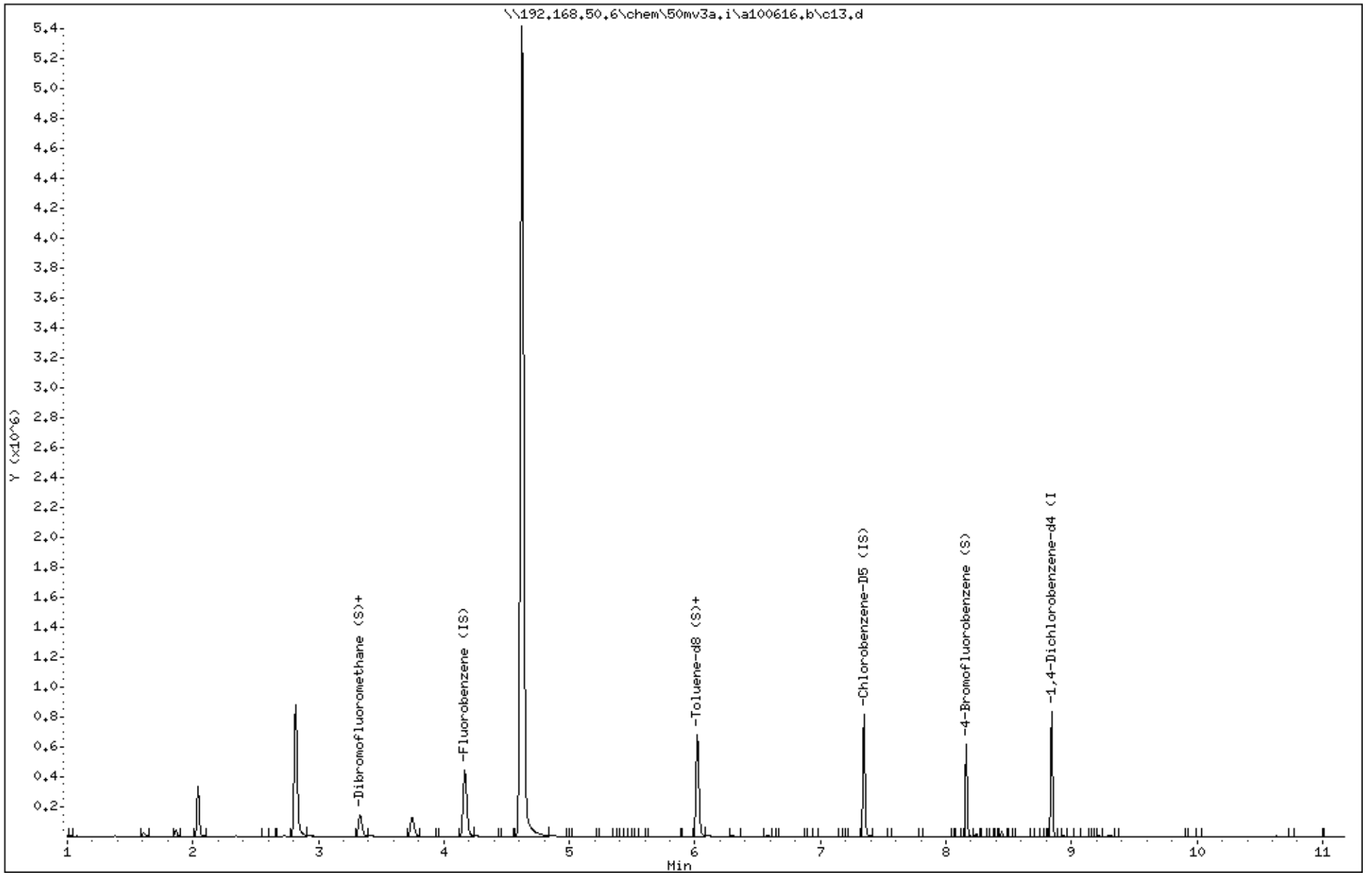
Q - Qualifier signal failed the ratio test.

QC Flag Legend

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d
Date : 07-OCT-2016 07:09
Client ID: MW-0517-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 50155366033
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

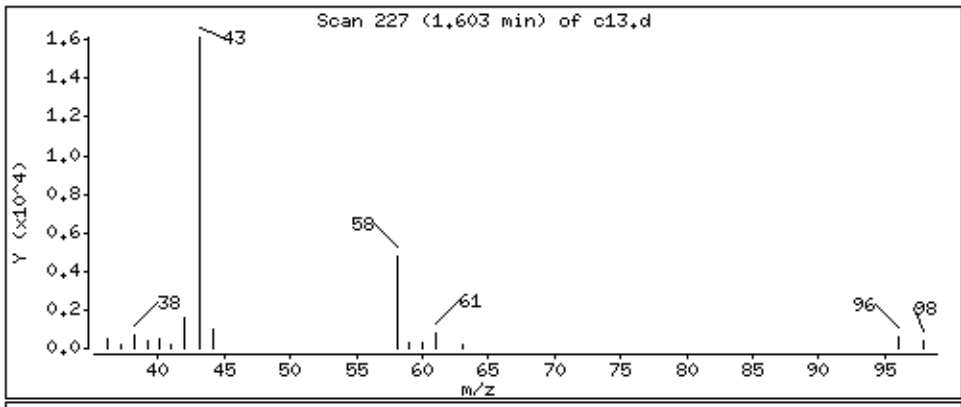
Column phase: DB-624

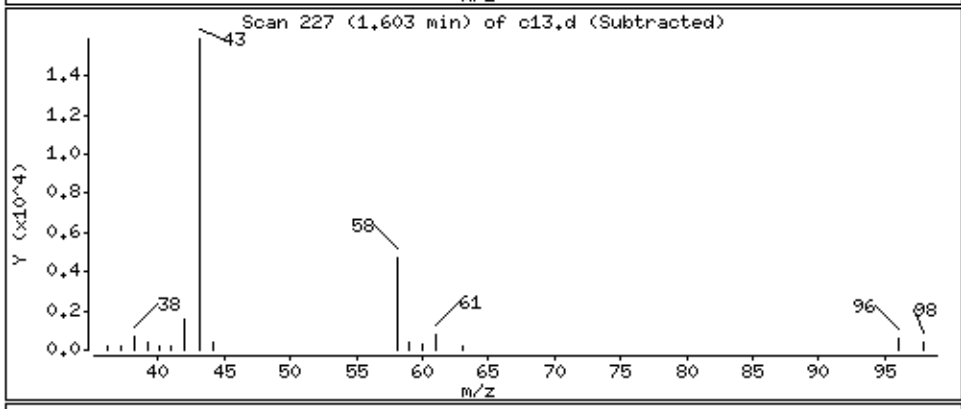
Column diameter: 0.18

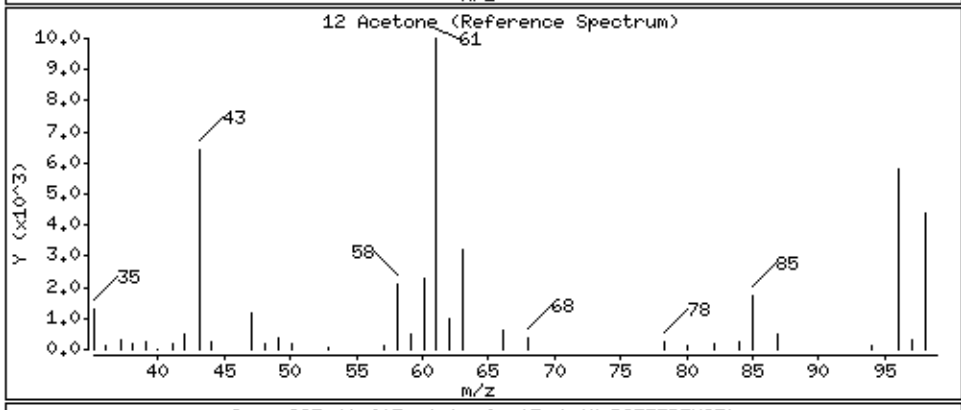
12 Acetone

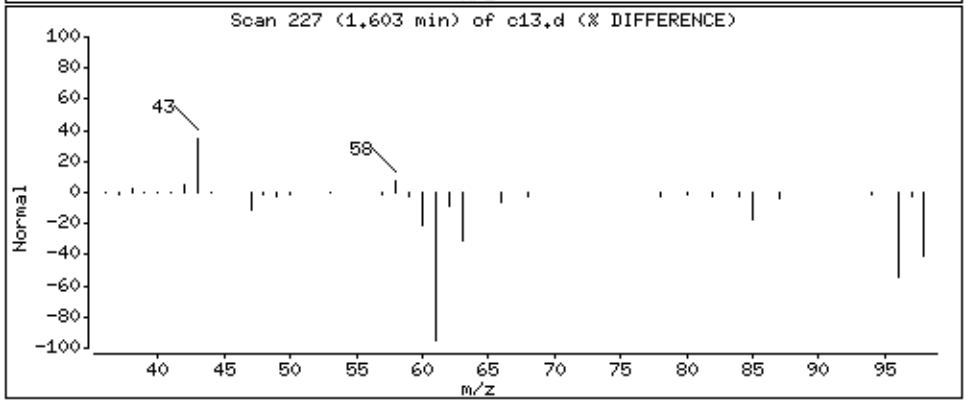
Concentration: 70.9 ppb

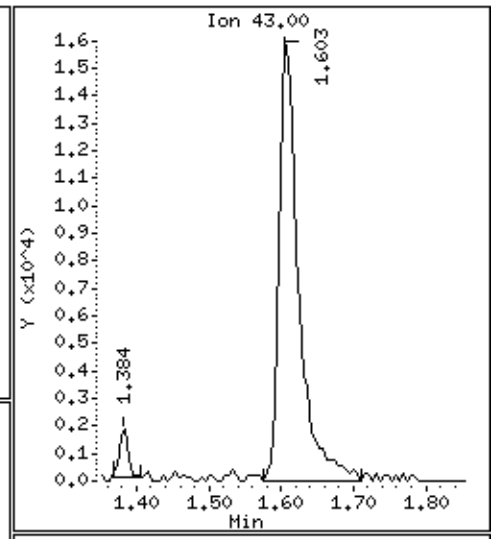
Review Code:

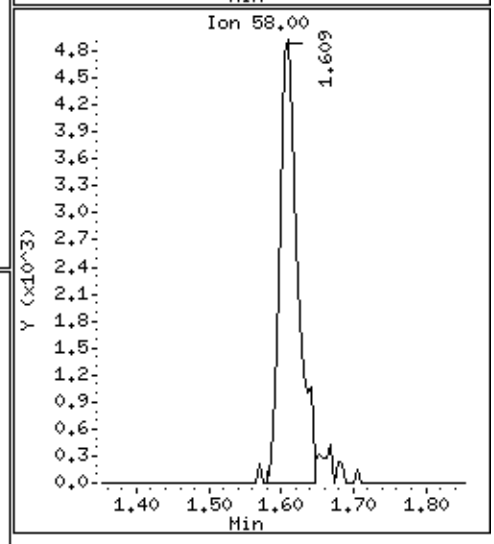












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d

Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

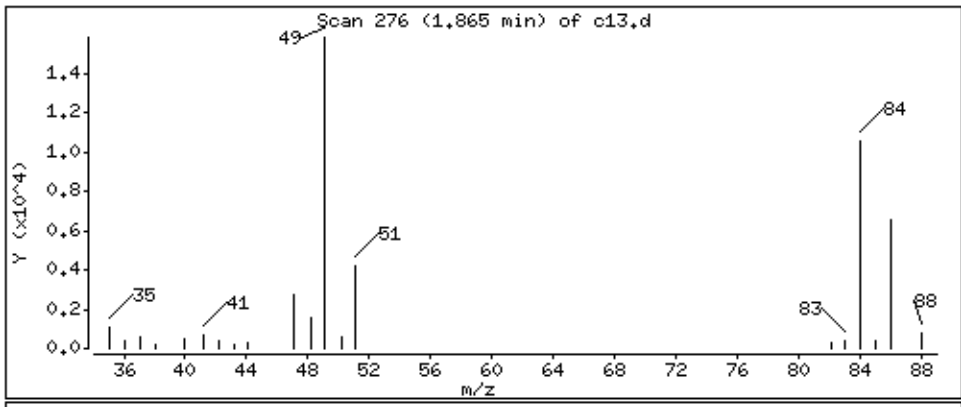
Column phase: DB-624

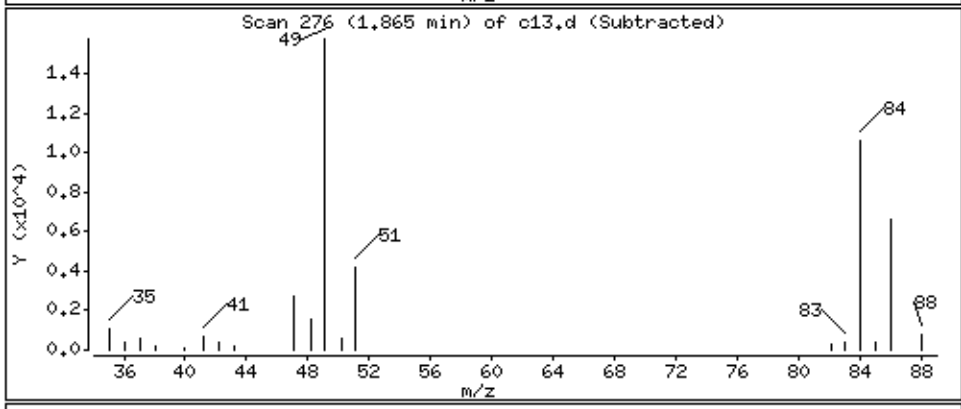
Column diameter: 0.18

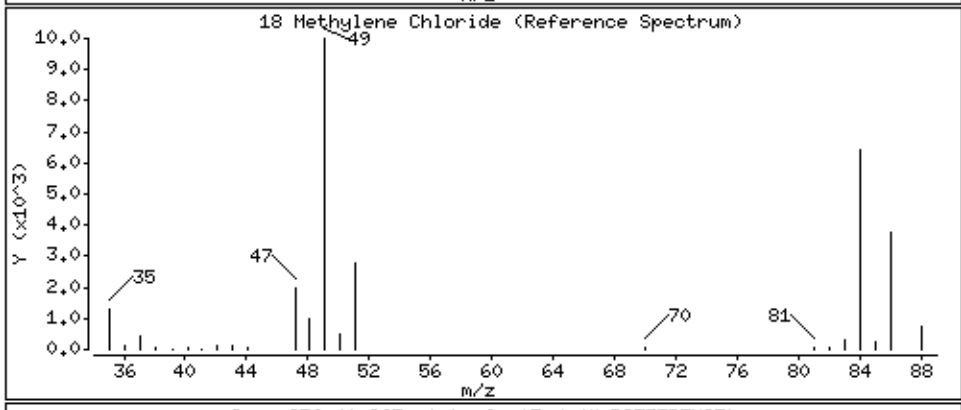
18 Methylene Chloride

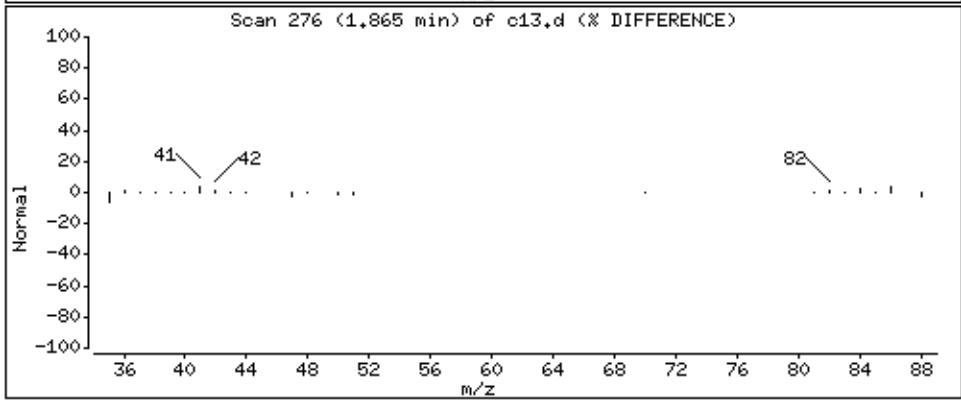
Concentration: 4.17 ppb

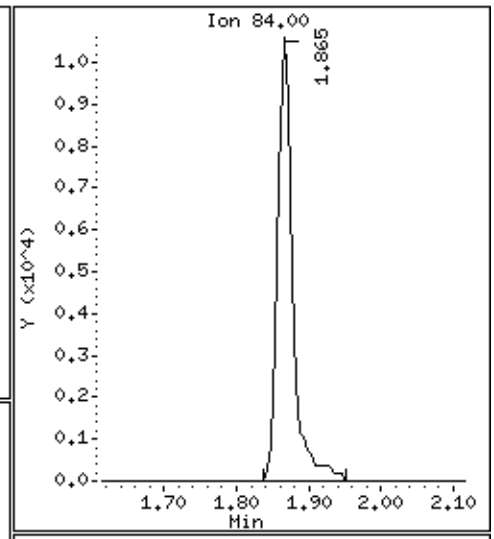
Review Code:

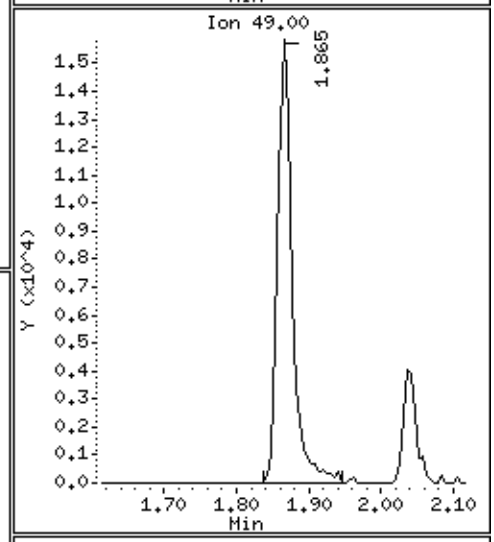


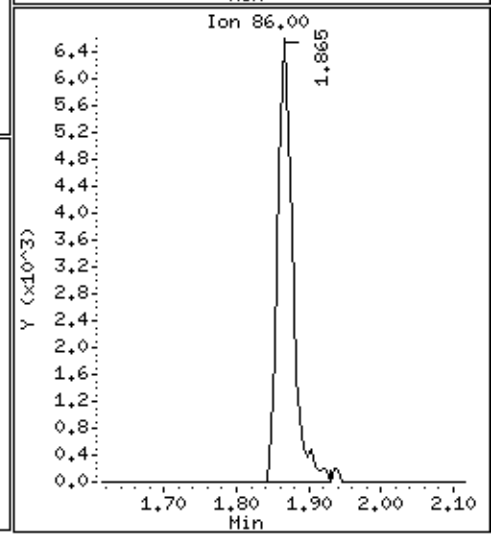












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d

Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

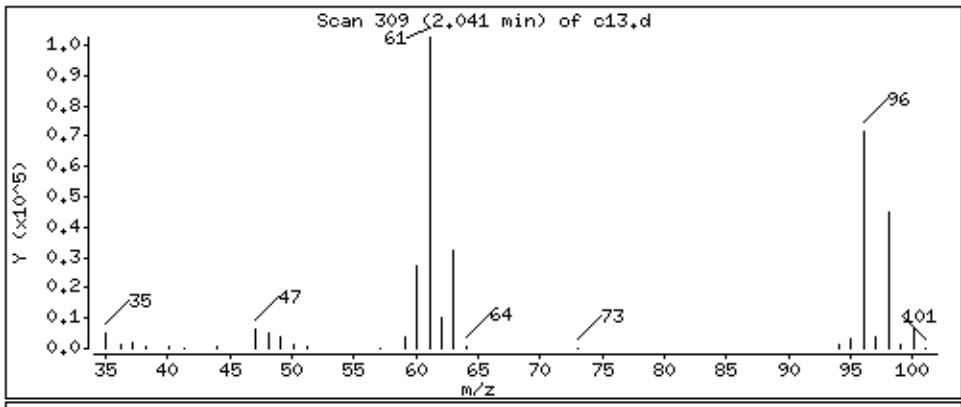
Column phase: DB-624

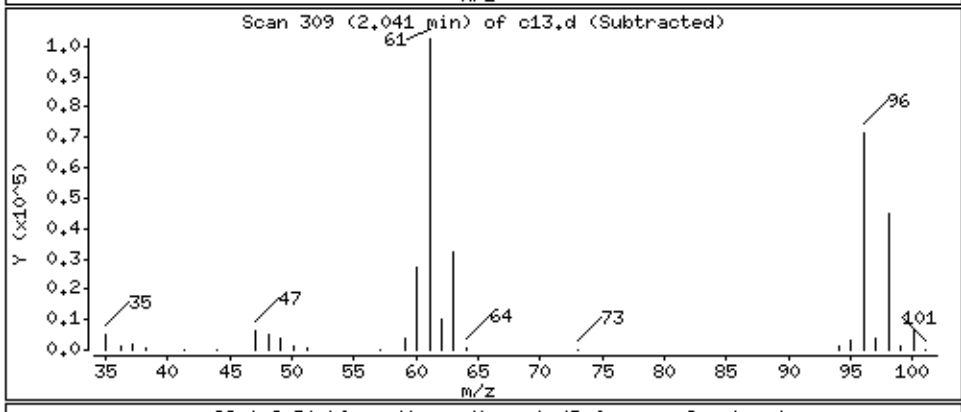
Column diameter: 0.18

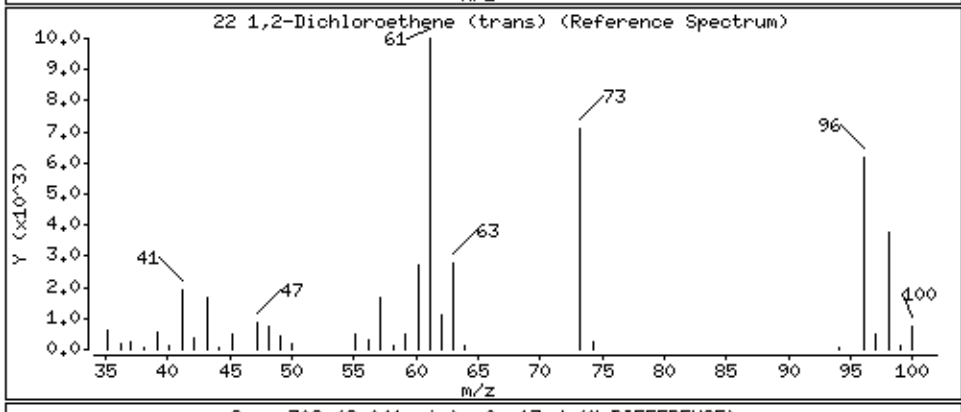
22 1,2-Dichloroethene (trans)

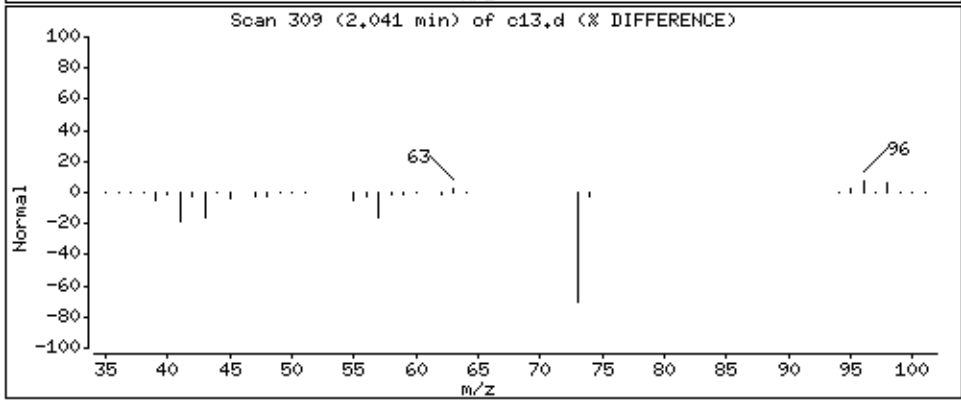
Concentration: 42.0 ppb

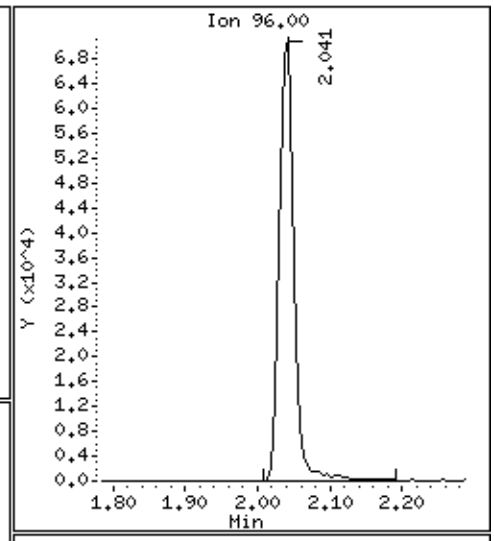
Review Code:

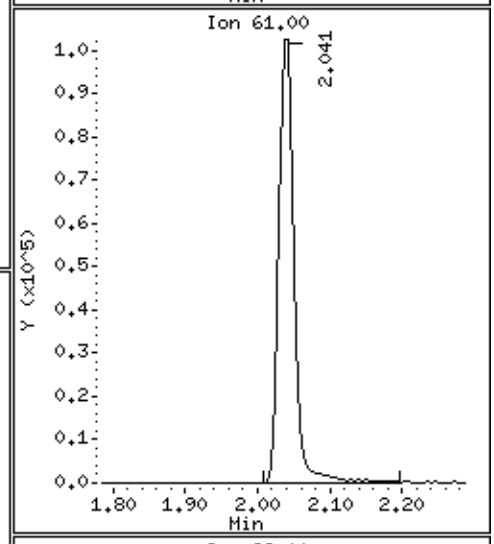


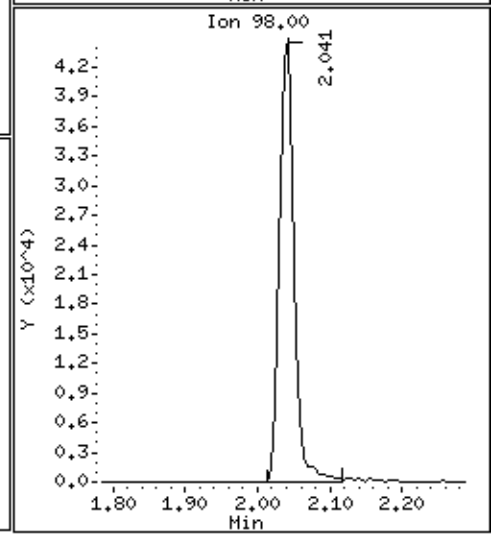












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d

Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

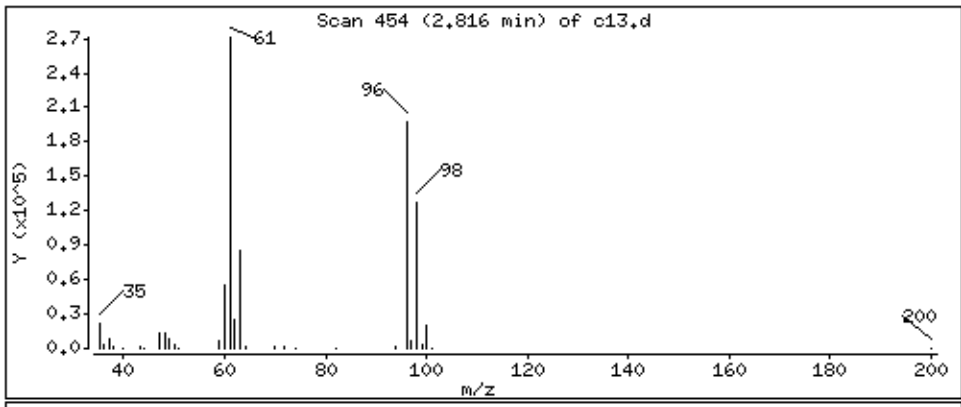
Column phase: DB-624

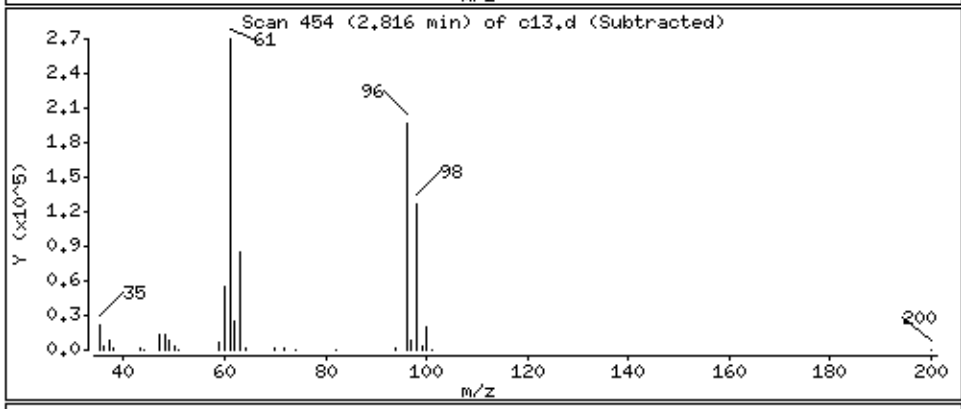
Column diameter: 0.18

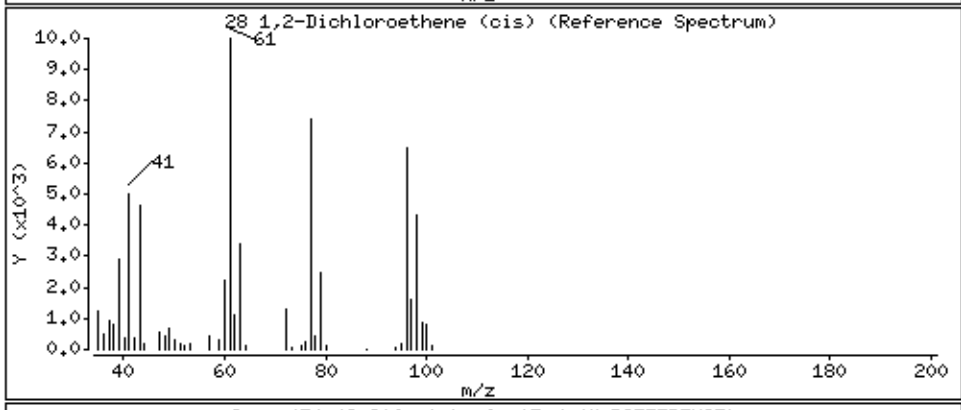
28 1,2-Dichloroethene (cis)

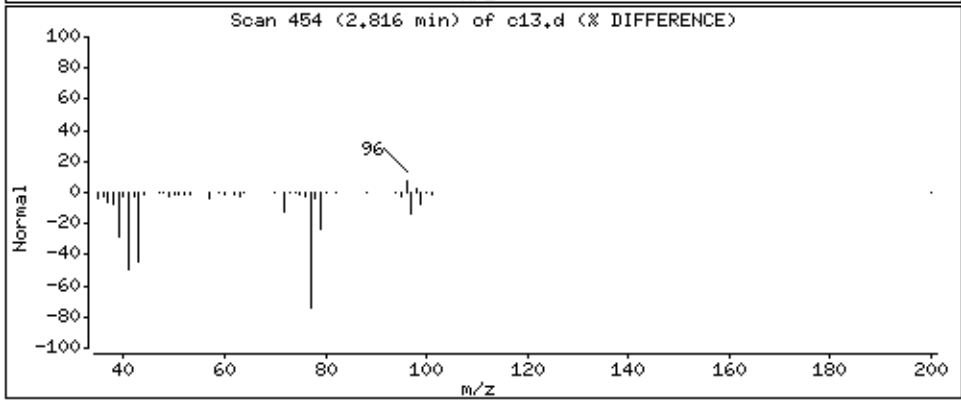
Concentration: 145 ppb

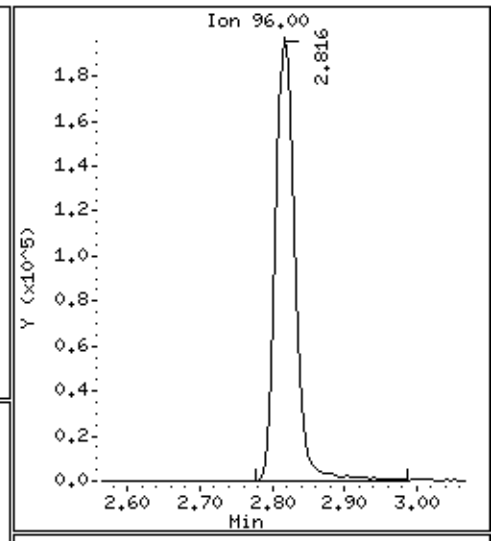
Review Code:

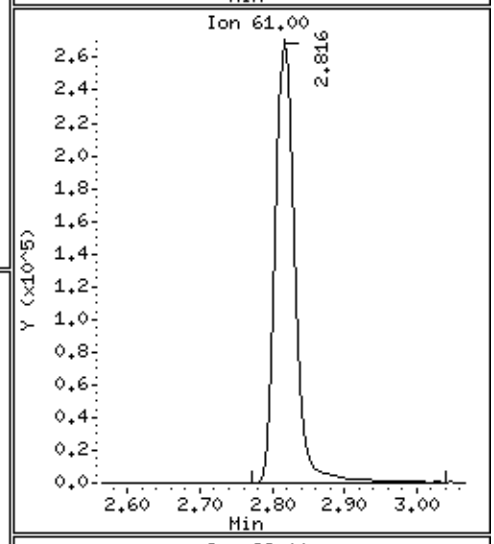


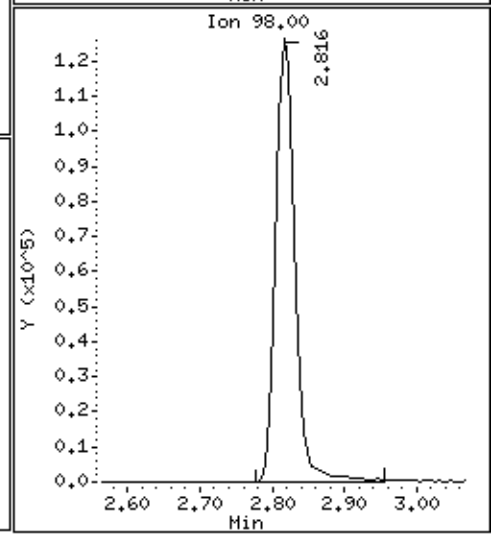












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d

Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

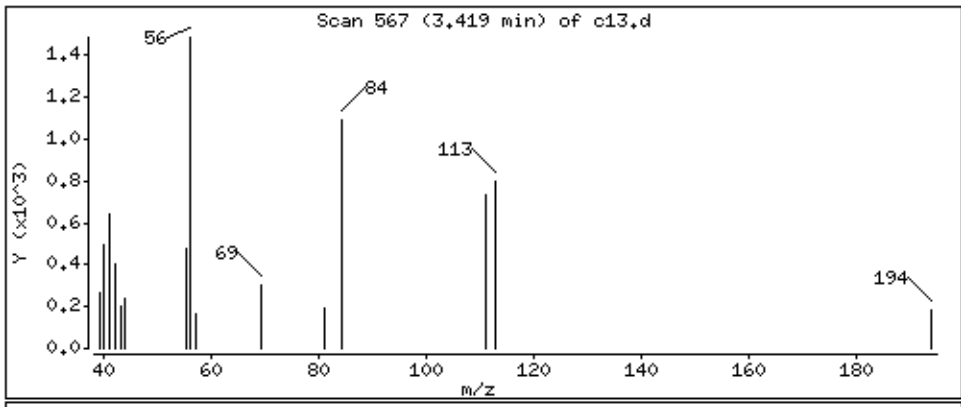
Column phase: DB-624

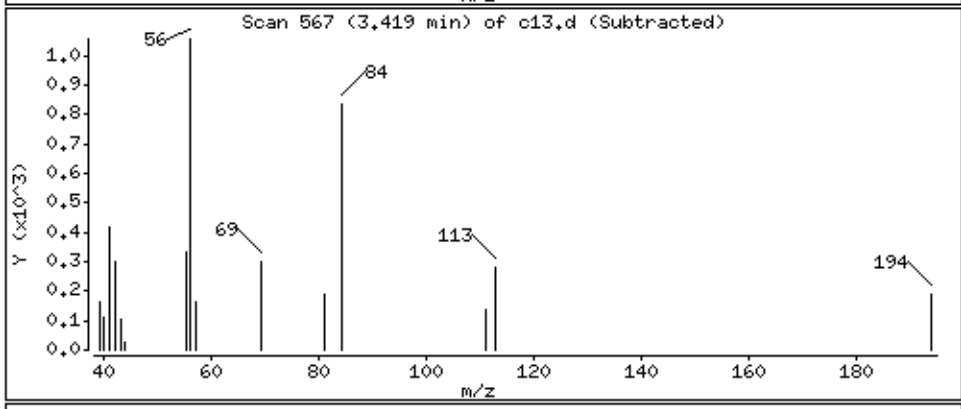
Column diameter: 0.18

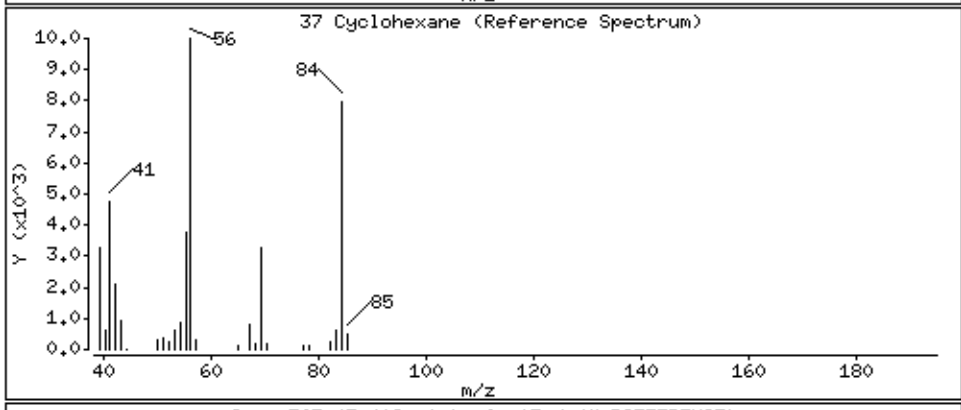
37 Cyclohexane

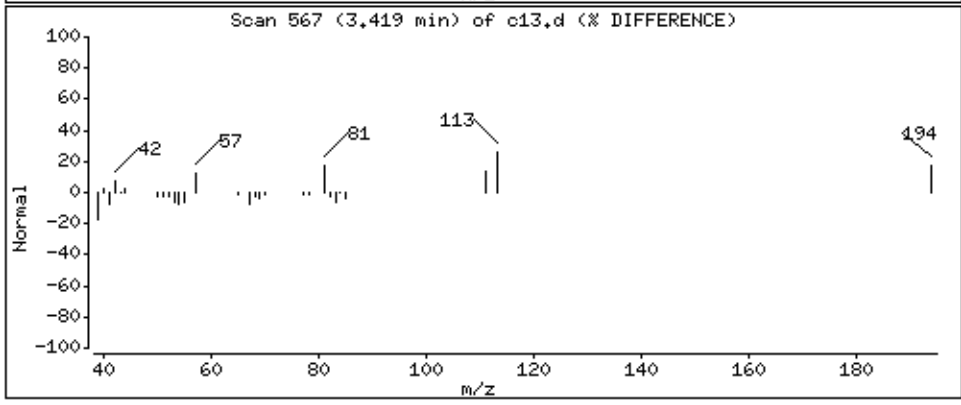
Concentration: 0.534 ppb

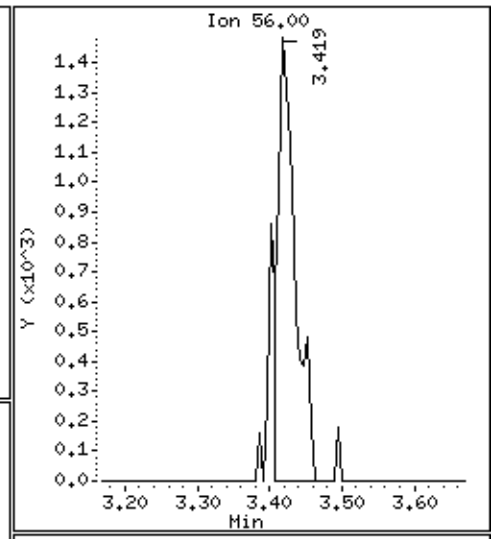
Review Code:

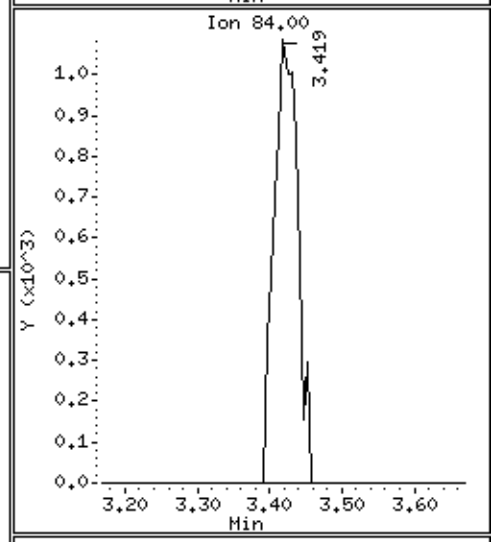


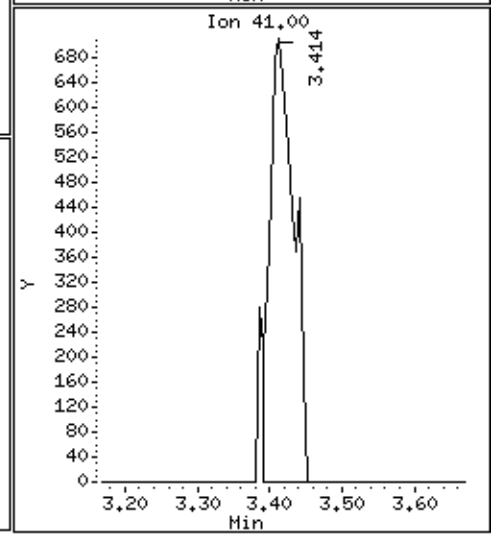












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d

Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

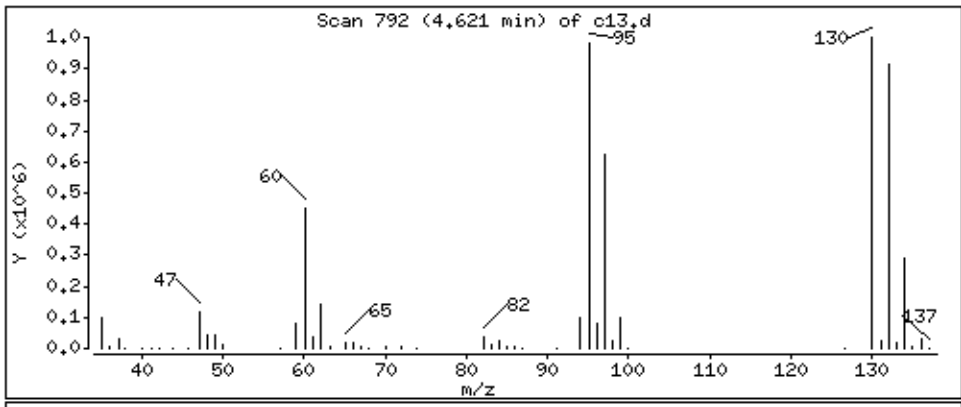
Column phase: DB-624

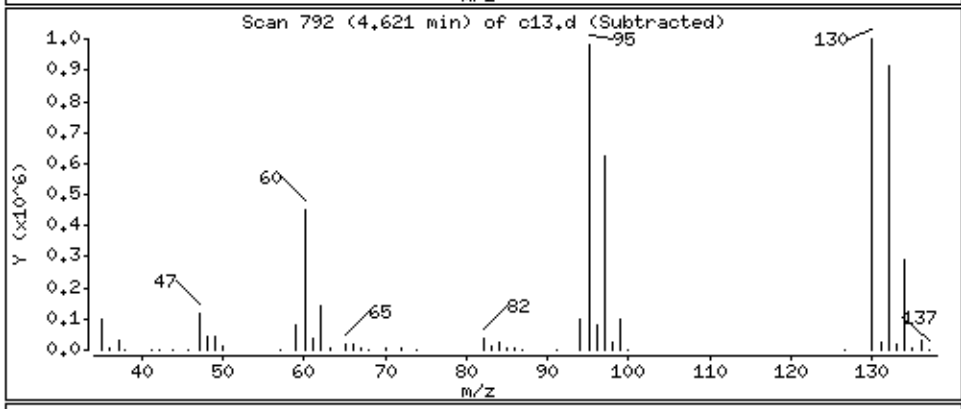
Column diameter: 0.18

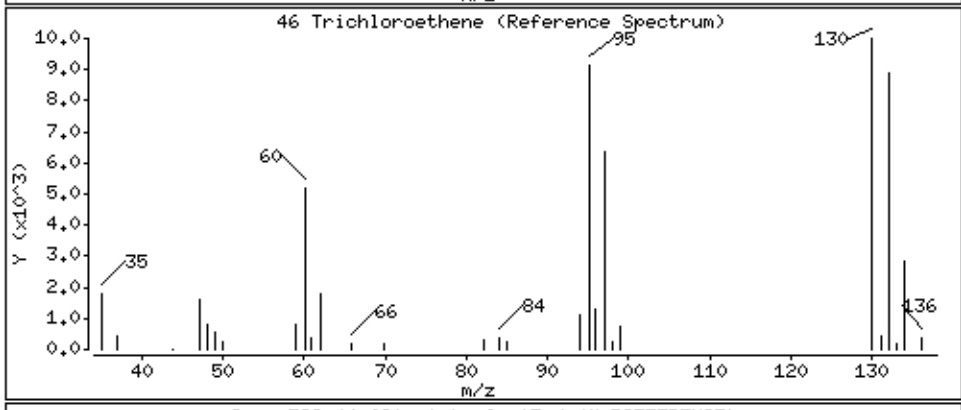
46 Trichloroethene

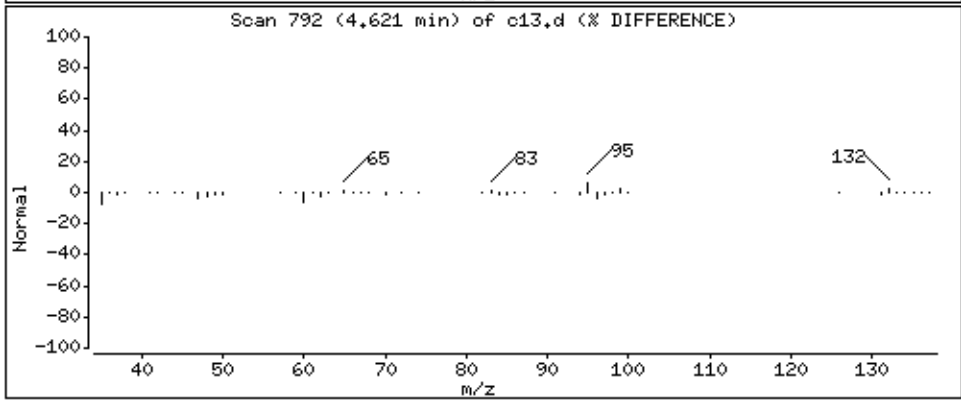
Concentration: 799 ppb

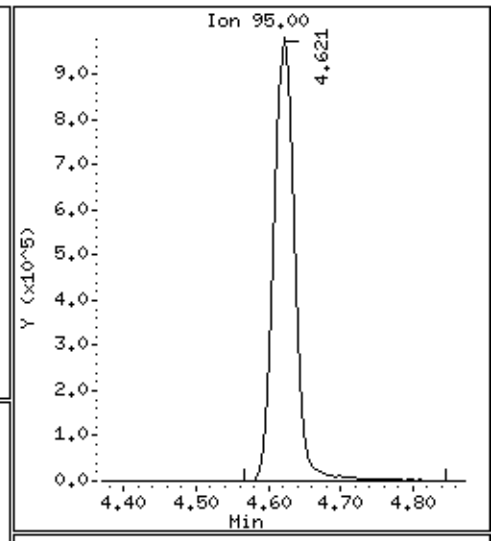
Review Code:

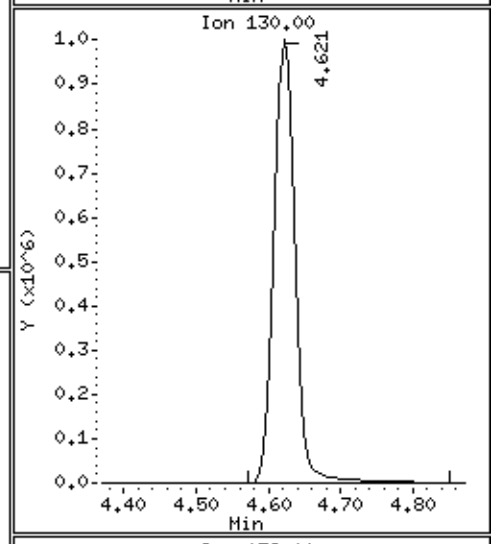


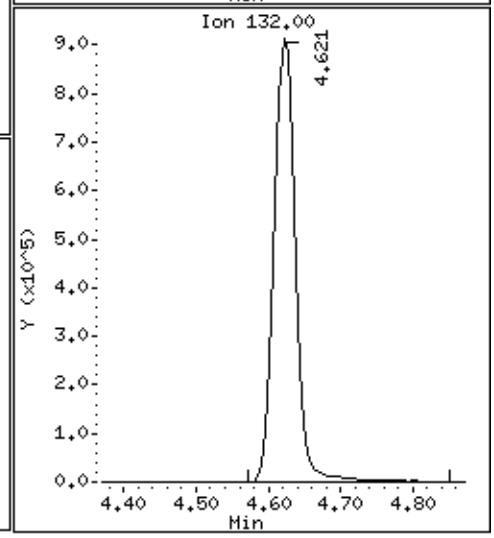












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d

Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

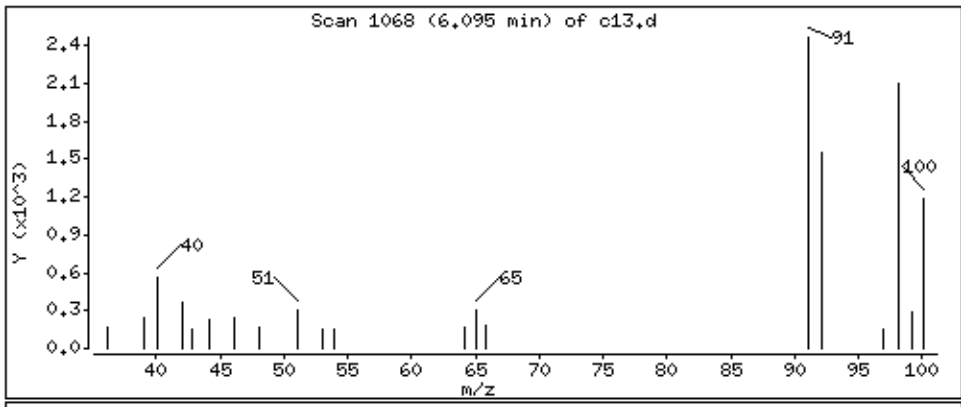
Column phase: DB-624

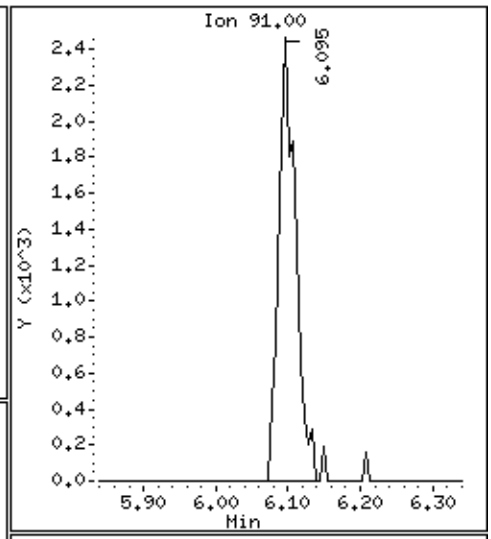
Column diameter: 0.18

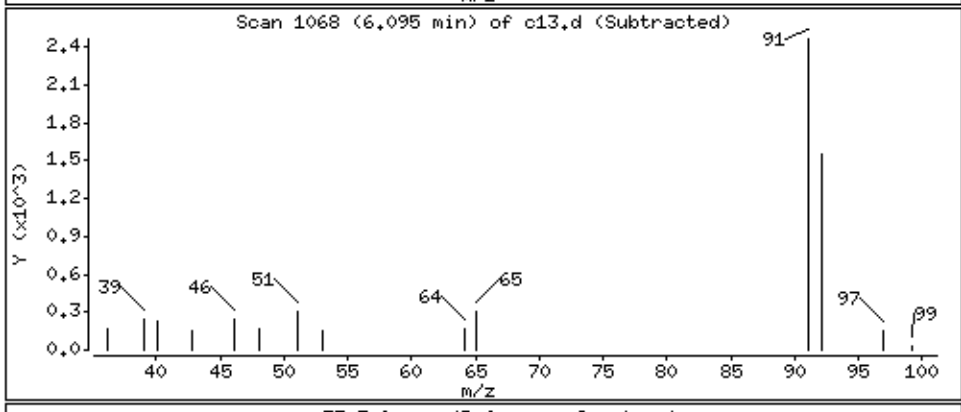
57 Toluene

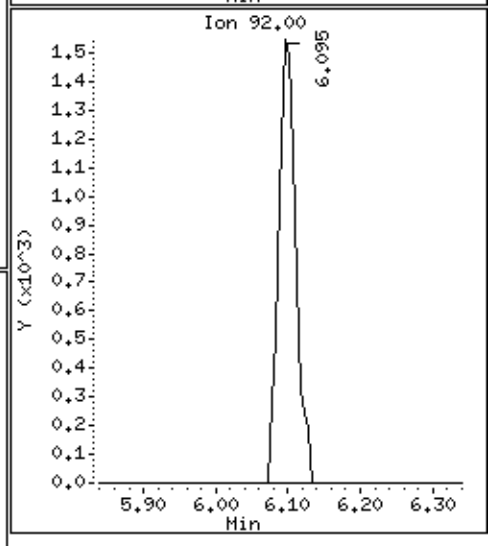
Concentration: 0.332 ppb

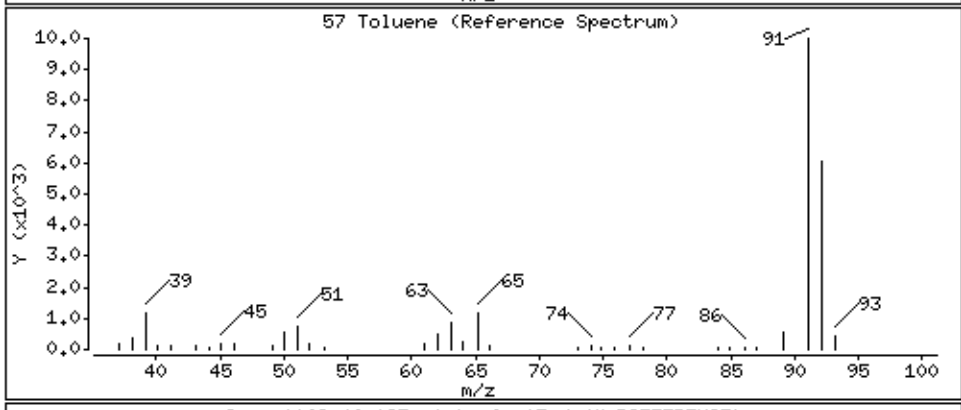
Review Code:

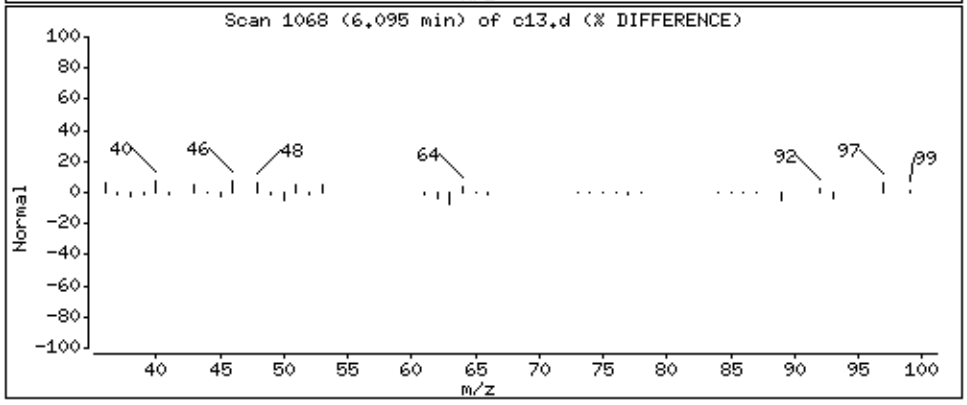












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c13.d

Date : 07-OCT-2016 07:09

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033

Purge Volume: 5.0

Operator: jlz

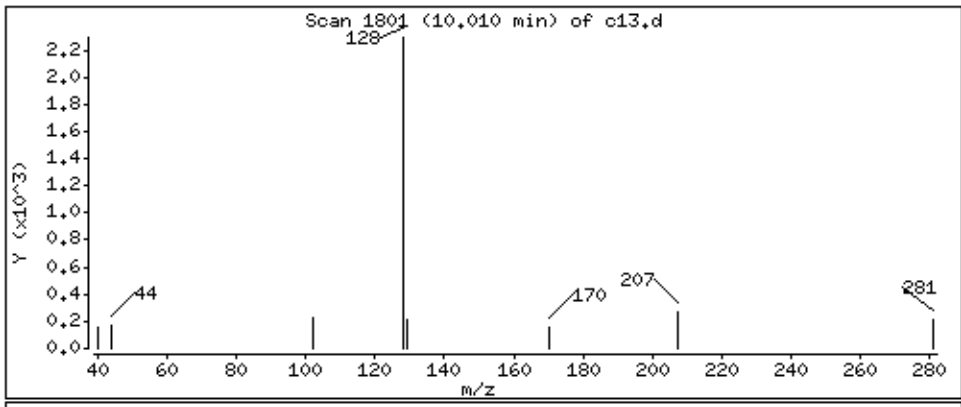
Column phase: DB-624

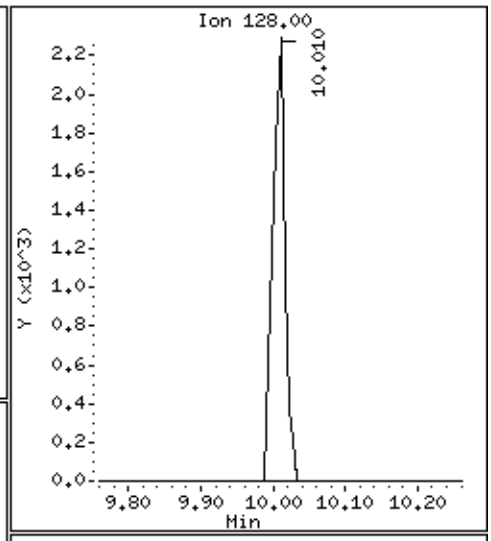
Column diameter: 0.18

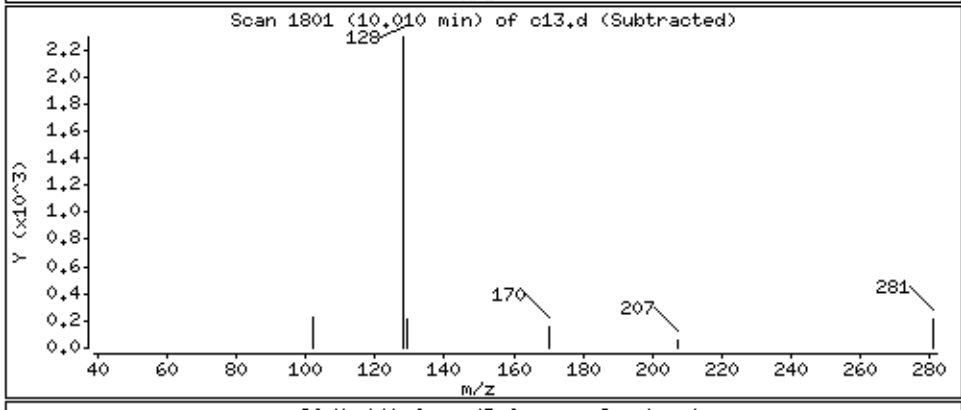
96 Naphthalene

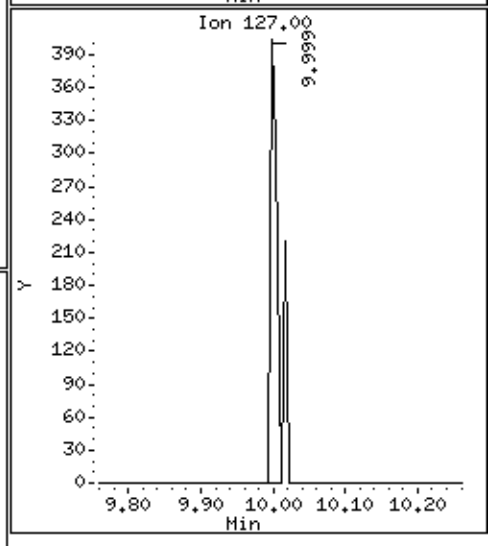
Concentration: 0.462 ppb

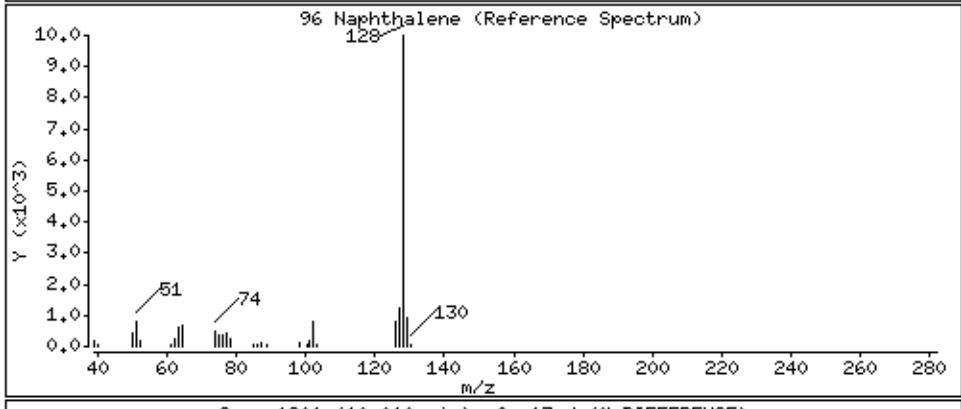
Review Code:

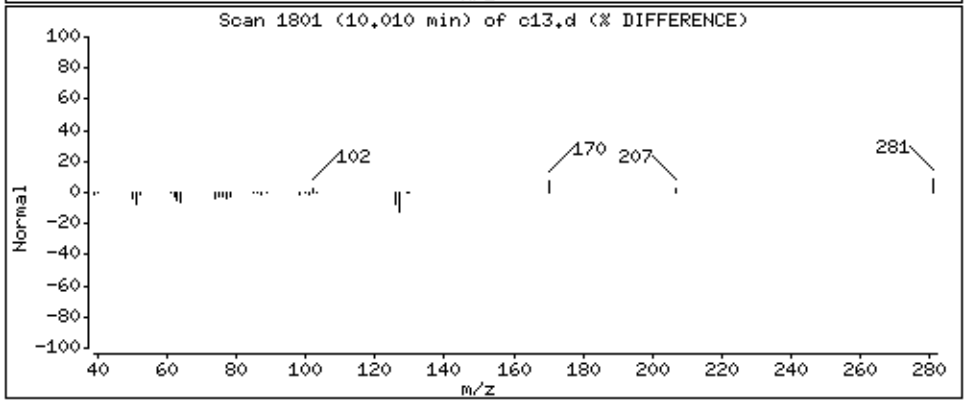












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c13.d
Injection Date: 07-OCT-2016 07:09
Instrument: 50mv3a.i
Lab Sample ID: 50155366033
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0517-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 04:11 Lab Sample ID: 50155366033

Date Analyzed: 10/11/2016 04:11 Lab File ID: A101016.B\C13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 5 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-01-6	Trichloroethene	760	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d
Lab Smp Id: 50155366033 Client Smp ID: MW-0517-S1(092716)P
Inj Date : 11-OCT-2016 04:11
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366033x5
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 73
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.607	1.606	(0.386)	6740	18.5804	92.9	
	18 Methylene Chloride	84	1.863	1.862	(0.447)	19496	8.08750	40.4	
	22 1,2-Dichloroethene (trans)	96	2.039	2.039	(0.490)	16095	7.97949	39.9	
	28 1,2-Dichloroethene (cis)	96	2.819	2.813	(0.677)	59060	27.3301	137(Q)	
$	35 Dibromofluoromethane (S)	113	3.332	3.331	(0.800)	89587	49.0498	49.0	
*	45 Fluorobenzene (IS)	96	4.165	4.164	(1.000)	403918	50.0000		
	46 Trichloroethene	95	4.619	4.618	(1.109)	319724	151.974	760	
$	56 Toluene-d8 (S)	98	6.018	6.018	(0.820)	386089	47.0564	47.0	
	57 Toluene	91	6.099	6.093	(0.831)	4759	0.48856	2.44	
*	66 Chlorobenzene-D5 (IS)	117	7.343	7.342	(1.000)	264611	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.160	8.165	(1.111)	118587	50.2638	50.3	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.838	(1.000)	108670	50.0000		

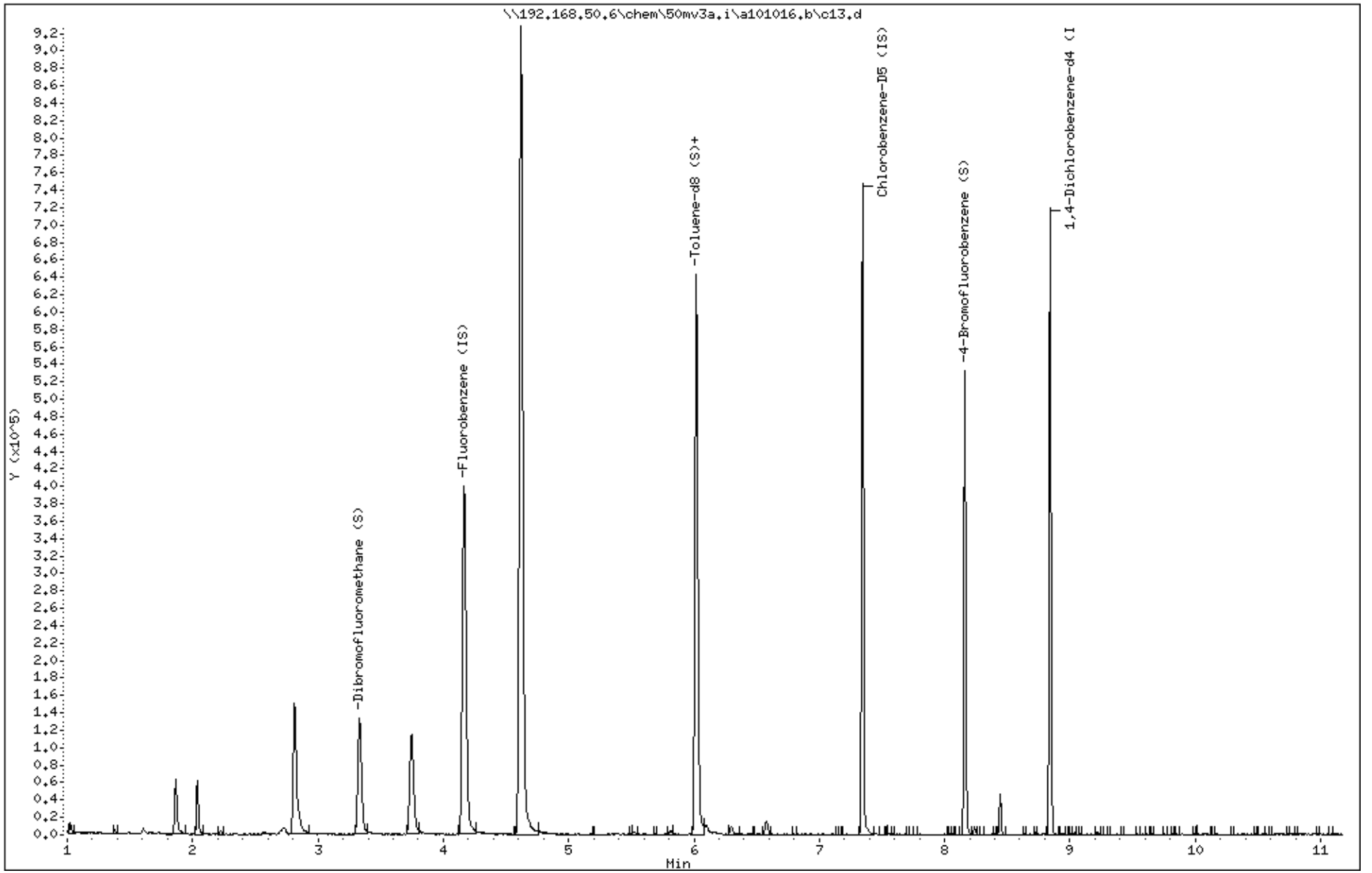
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d
Date : 11-OCT-2016 04:11
Client ID: MW-0517-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 50155366033x5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d

Date : 11-OCT-2016 04:11

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033x5

Purge Volume: 5.0

Operator: jlz

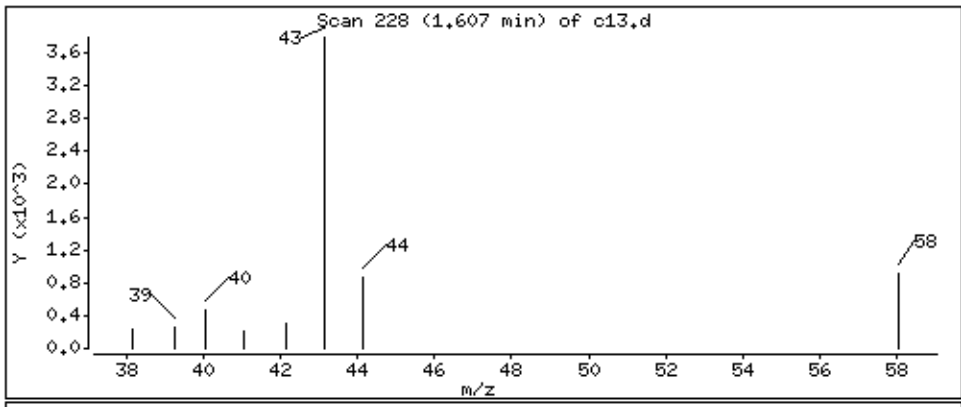
Column phase: DB-624

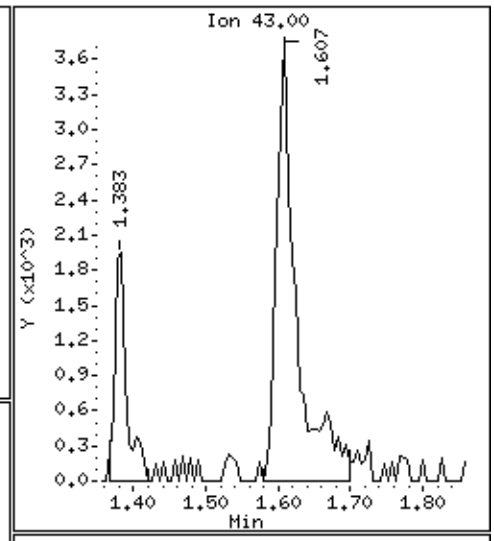
Column diameter: 0.18

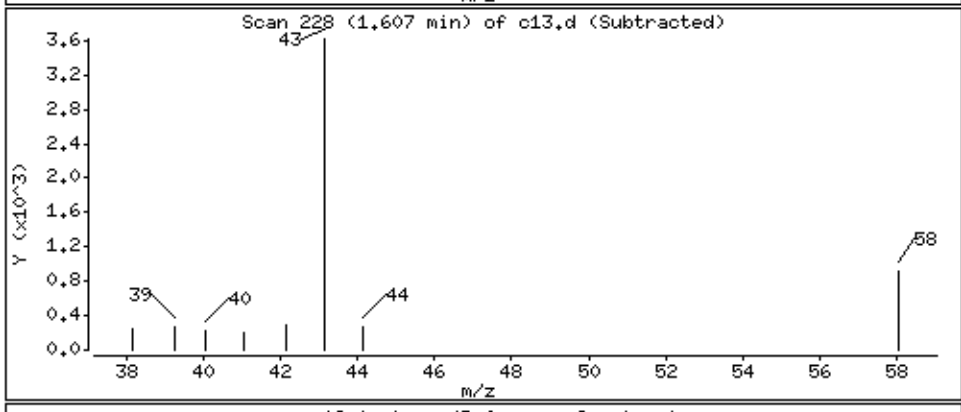
12 Acetone

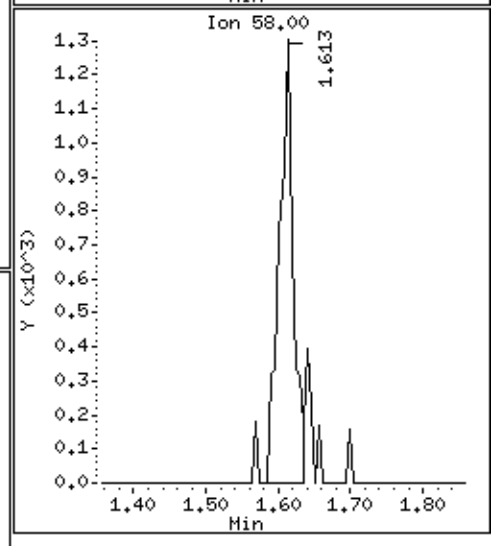
Concentration: 92.9 ppb

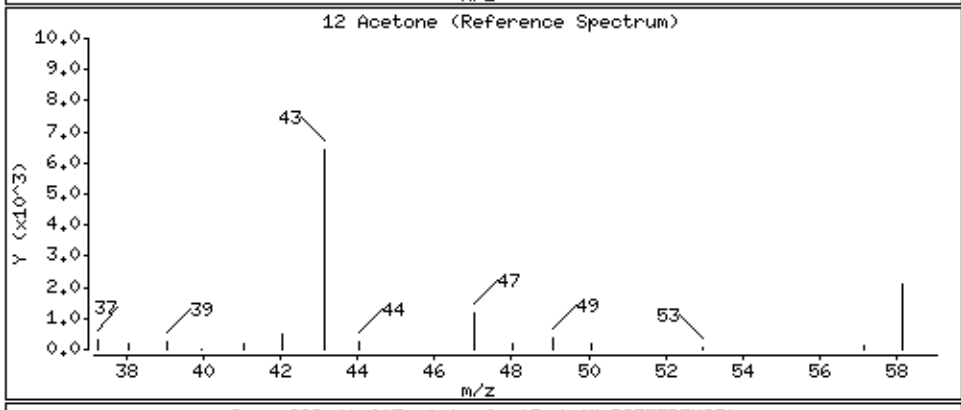
Review Code:

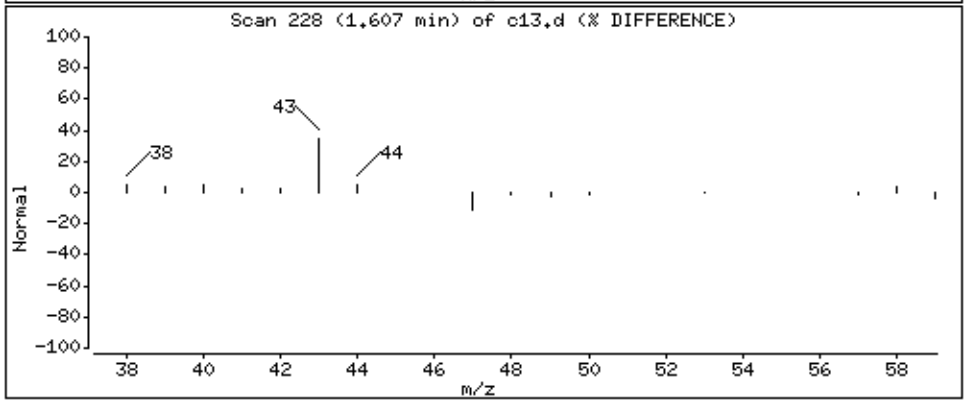












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d

Date : 11-OCT-2016 04:11

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033x5

Purge Volume: 5.0

Operator: jlz

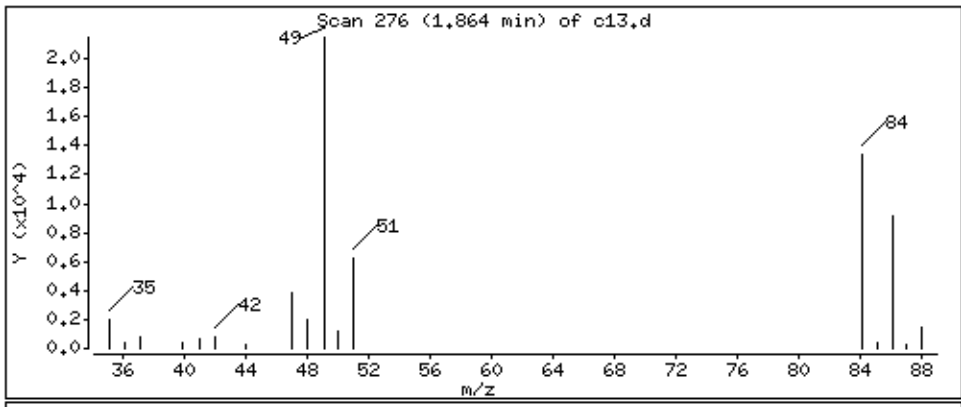
Column phase: DB-624

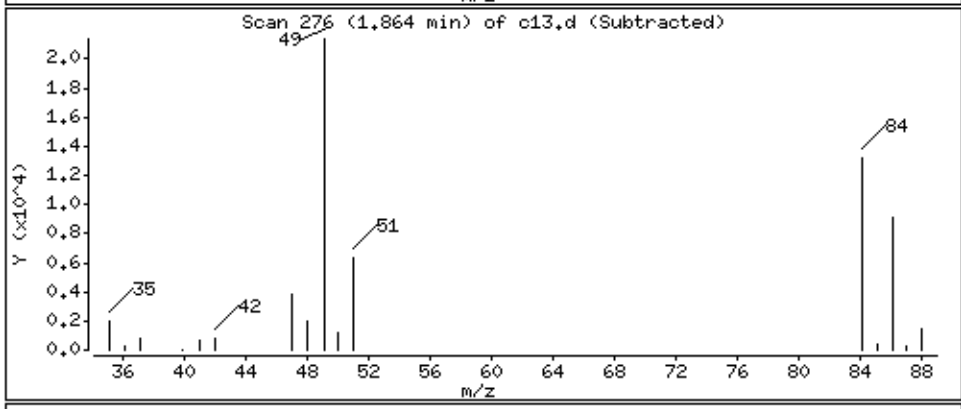
Column diameter: 0.18

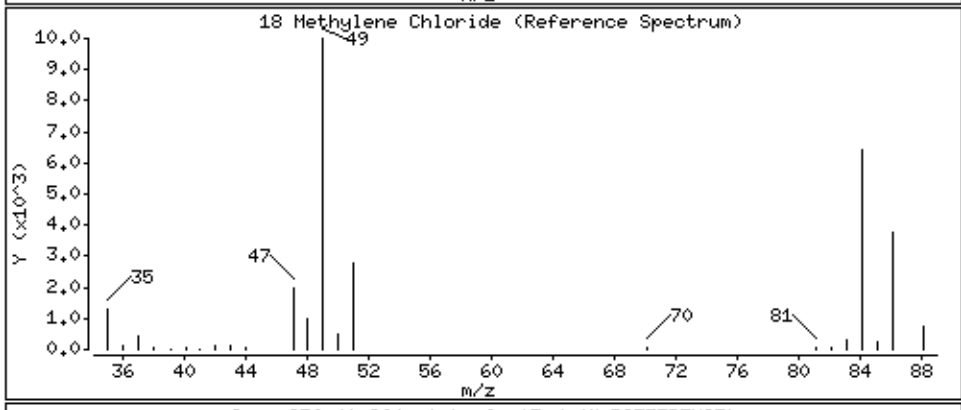
18 Methylene Chloride

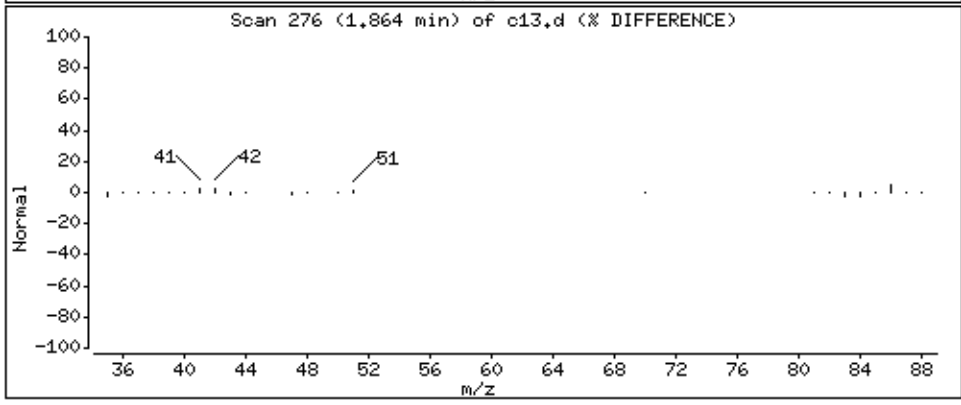
Concentration: 40.4 ppb

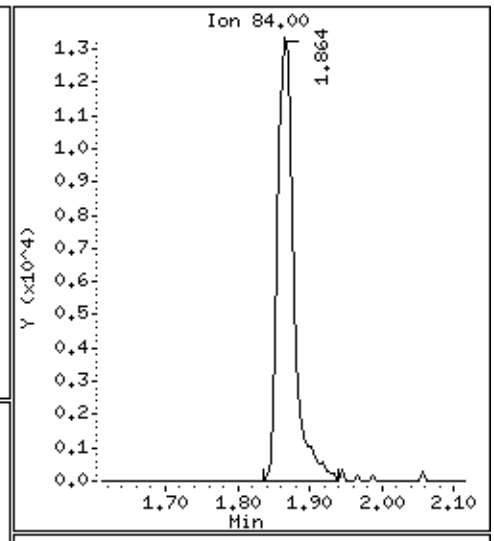
Review Code:

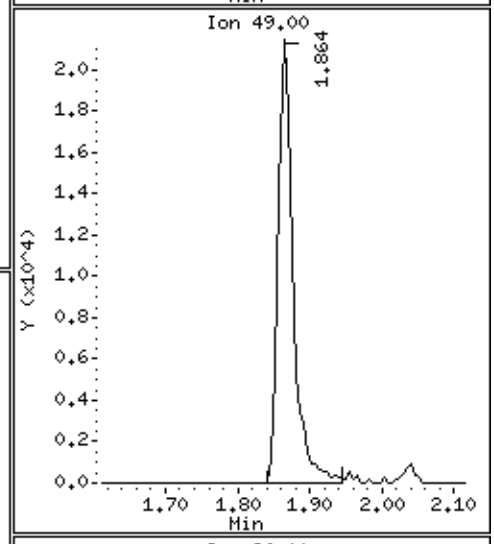


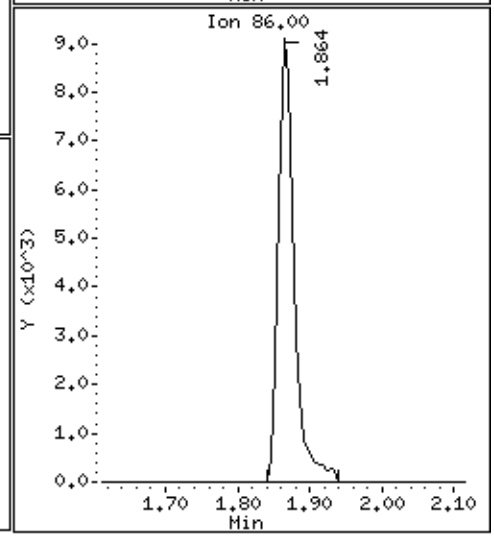












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d

Date : 11-OCT-2016 04:11

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033x5

Purge Volume: 5.0

Operator: jlz

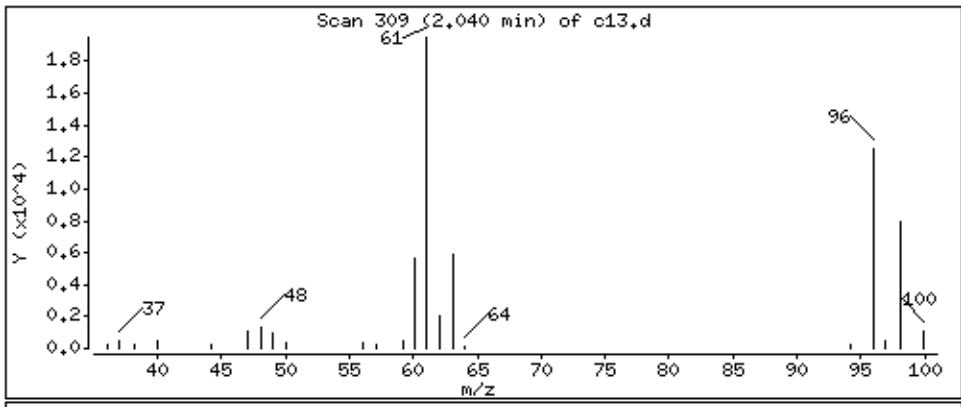
Column phase: DB-624

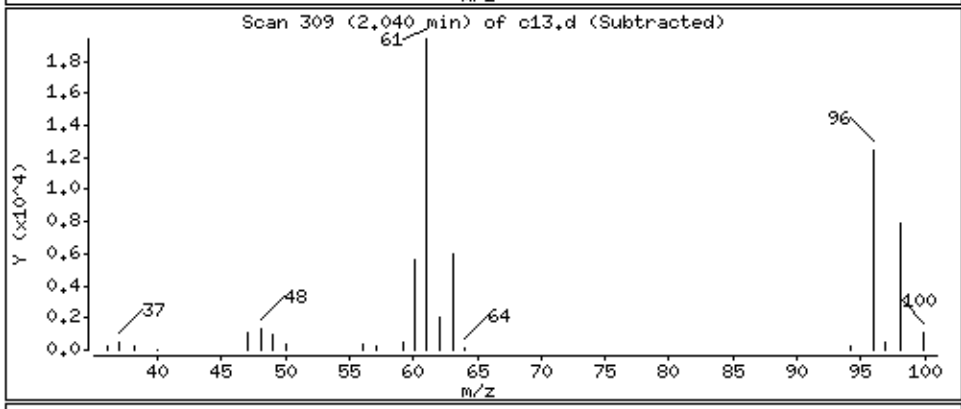
Column diameter: 0.18

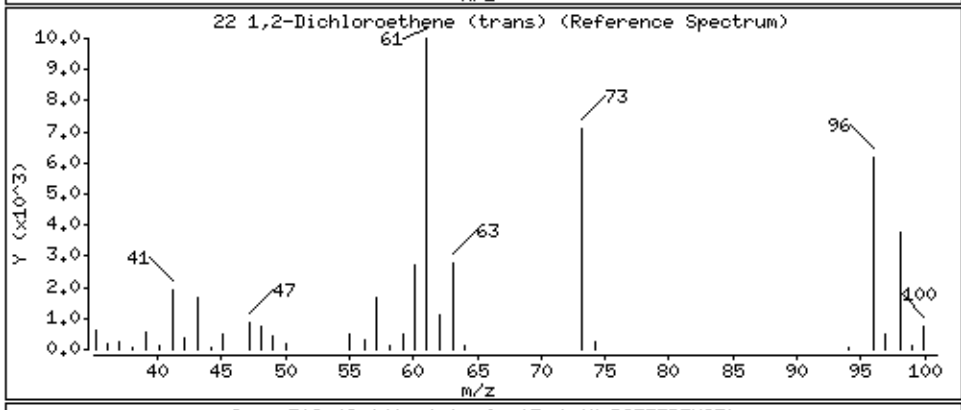
22 1,2-Dichloroethene (trans)

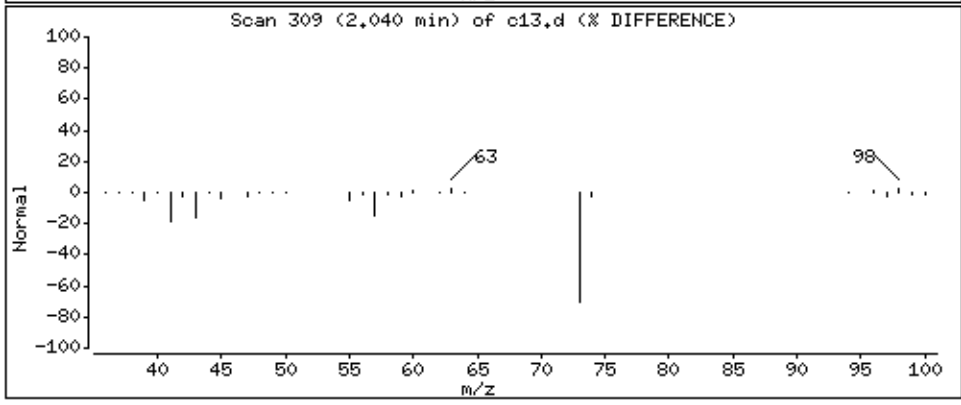
Concentration: 39.9 ppb

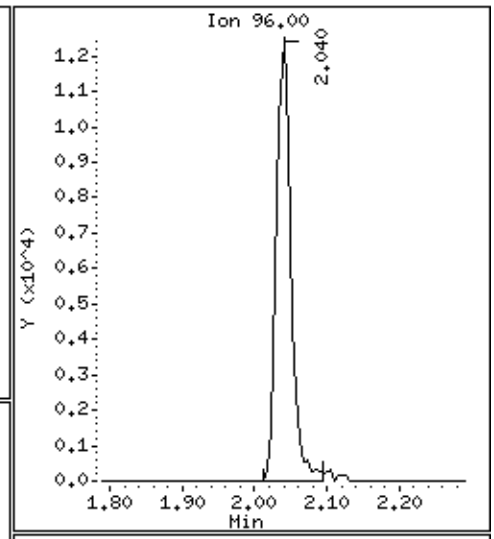
Review Code:

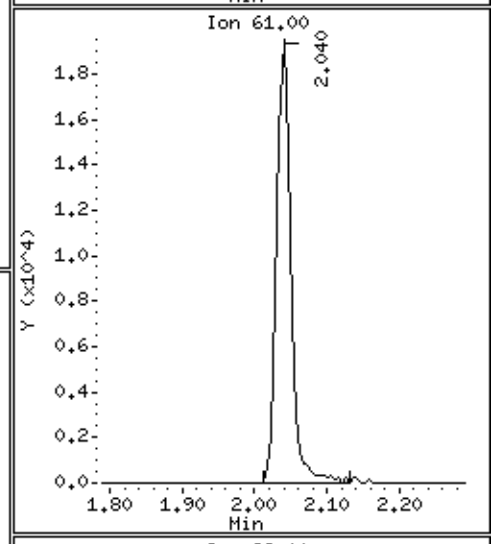


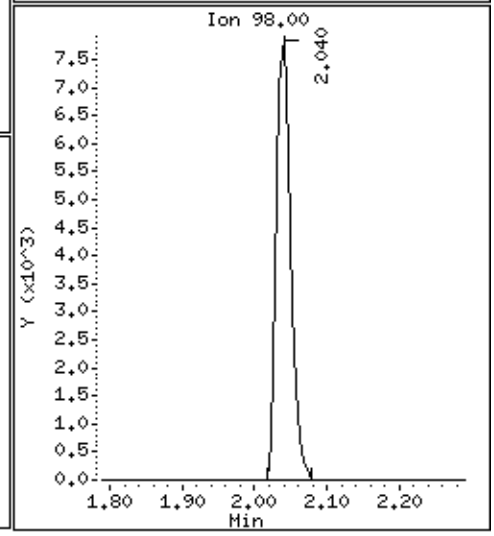












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d

Date : 11-OCT-2016 04:11

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033x5

Purge Volume: 5.0

Operator: jlz

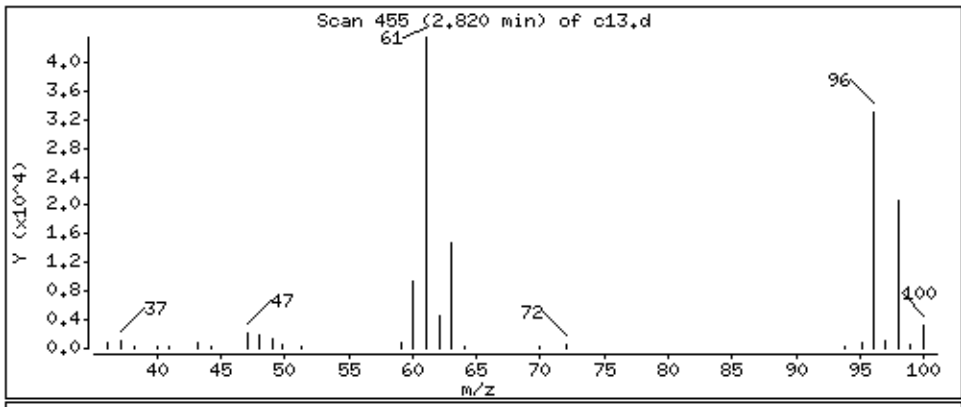
Column phase: DB-624

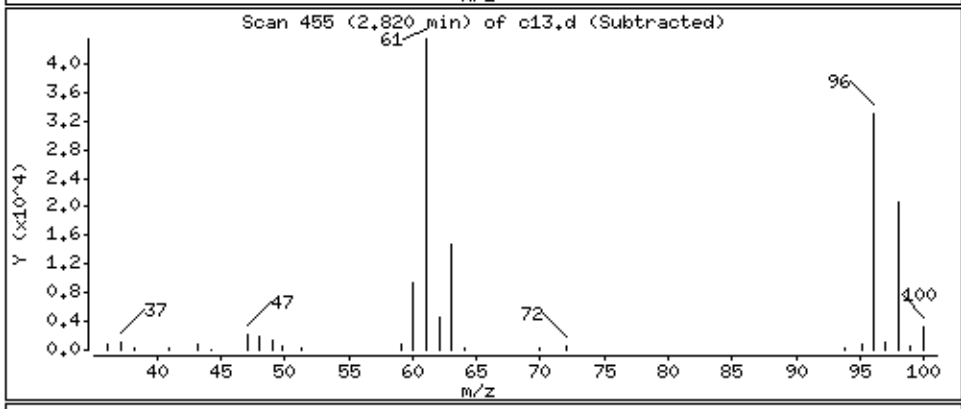
Column diameter: 0.18

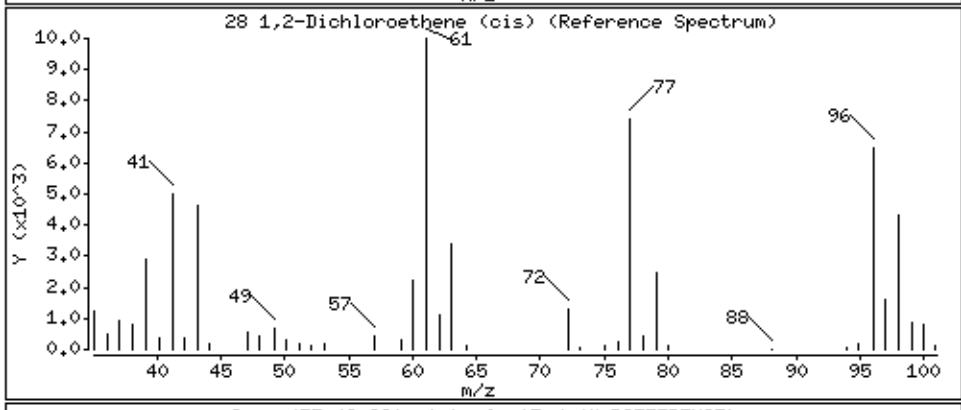
28 1,2-Dichloroethene (cis)

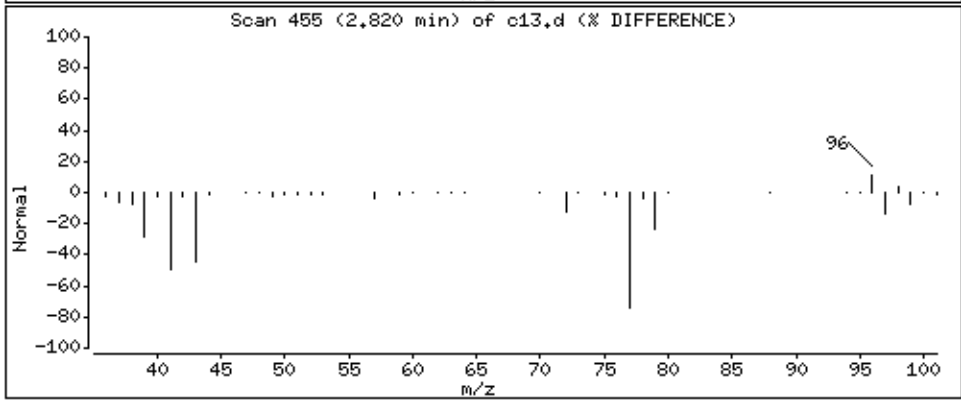
Concentration: 137 ppb

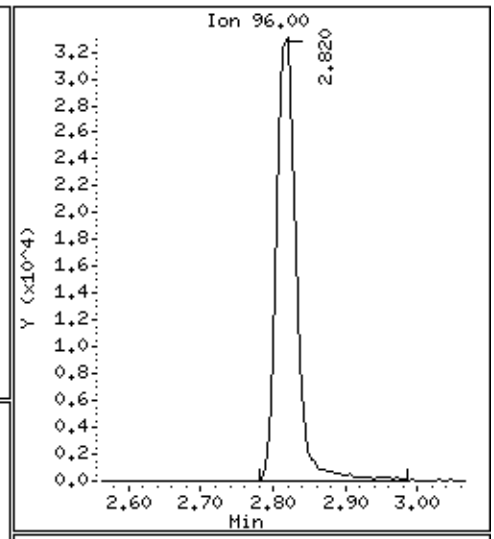
Review Code:

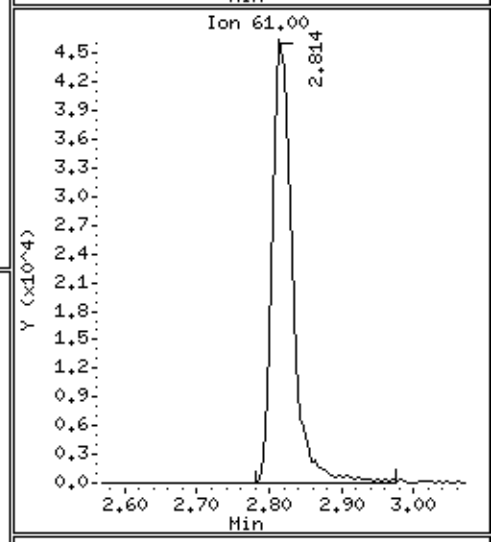


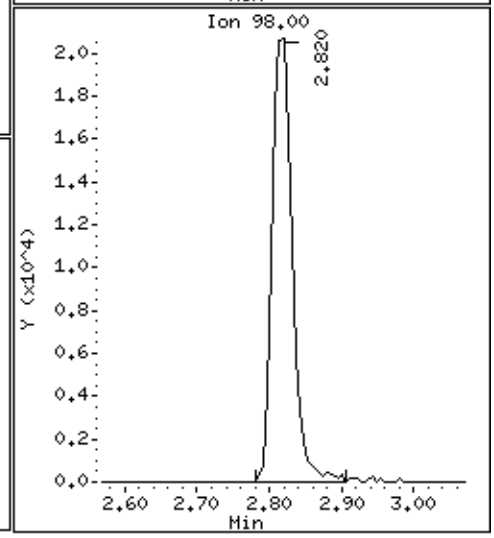












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d

Date : 11-OCT-2016 04:11

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033x5

Purge Volume: 5.0

Operator: jlz

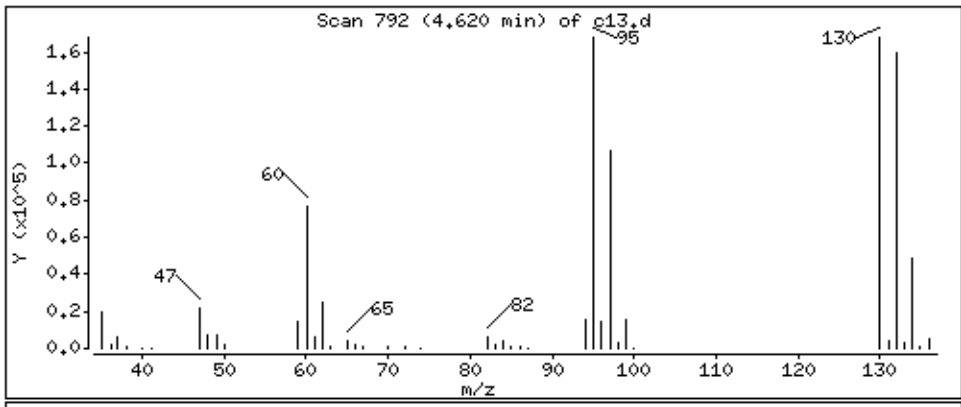
Column phase: DB-624

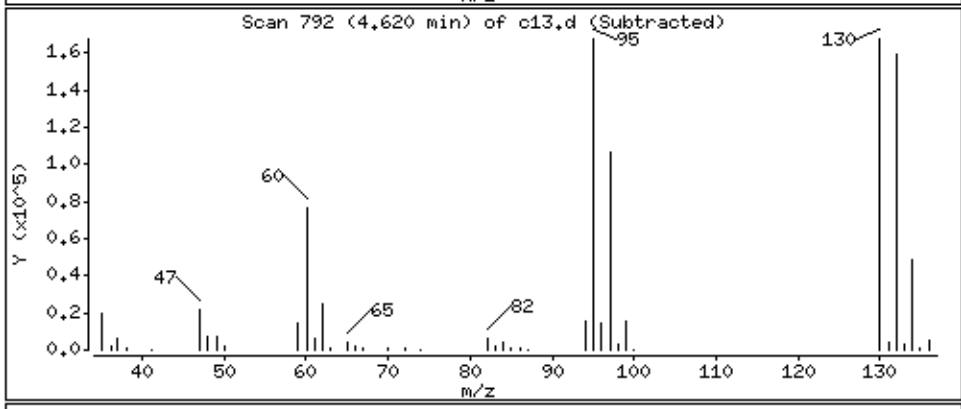
Column diameter: 0.18

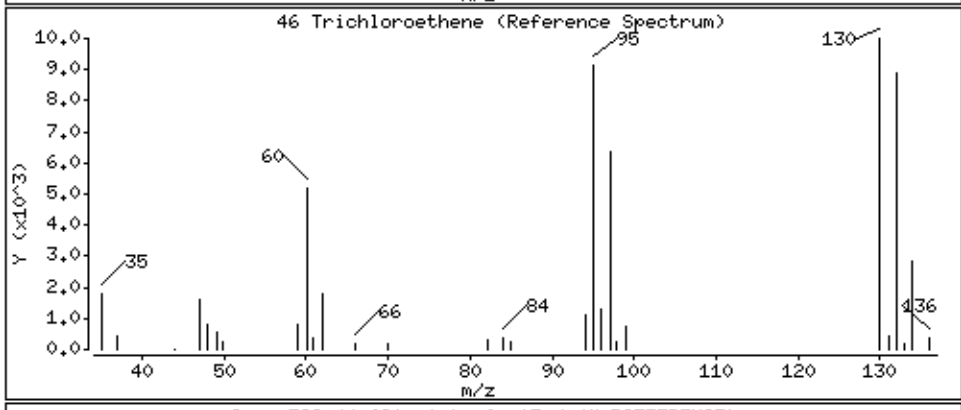
46 Trichloroethene

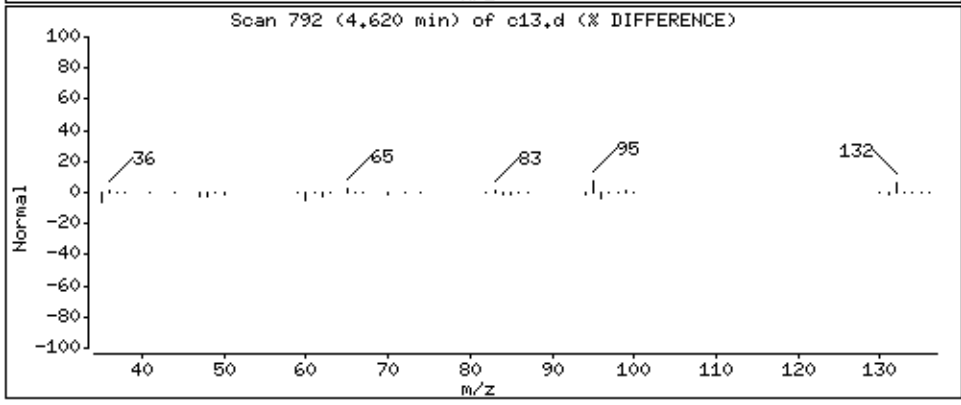
Concentration: 760 ppb

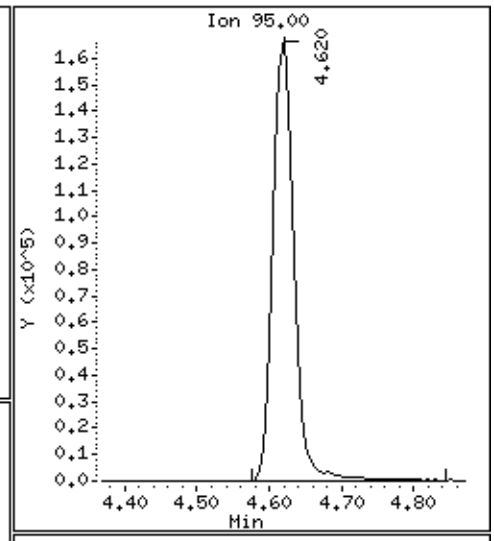
Review Code:

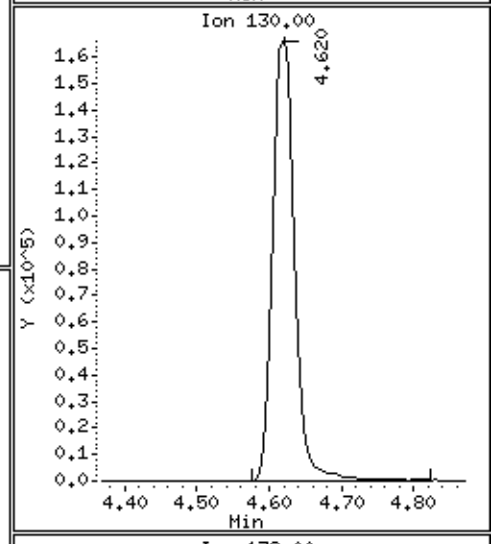


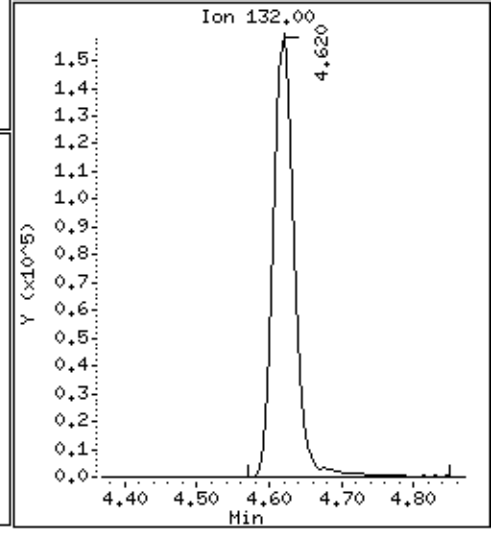












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c13.d

Date : 11-OCT-2016 04:11

Client ID: MW-0517-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366033x5

Purge Volume: 5.0

Operator: jlz

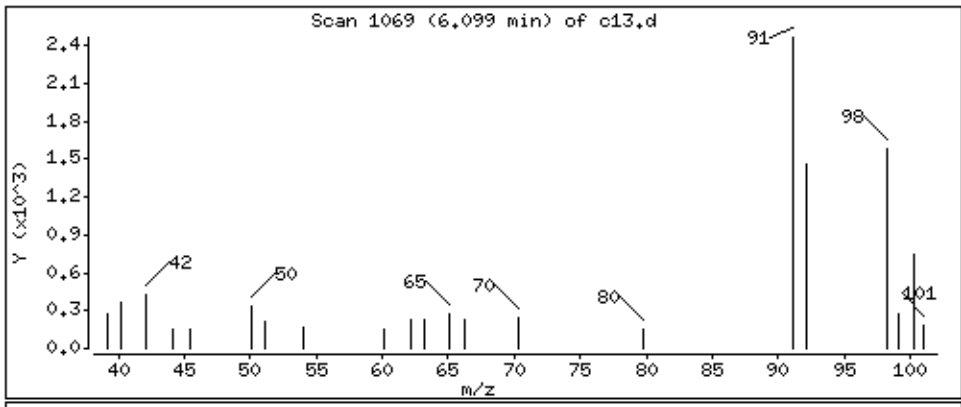
Column phase: DB-624

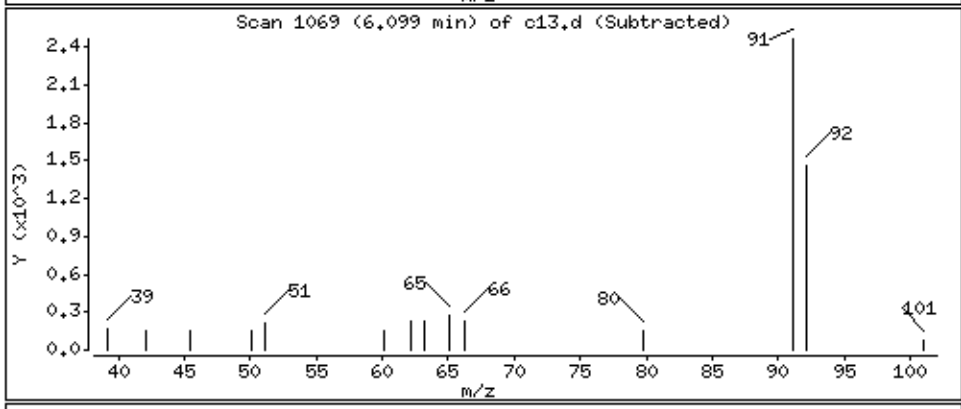
Column diameter: 0.18

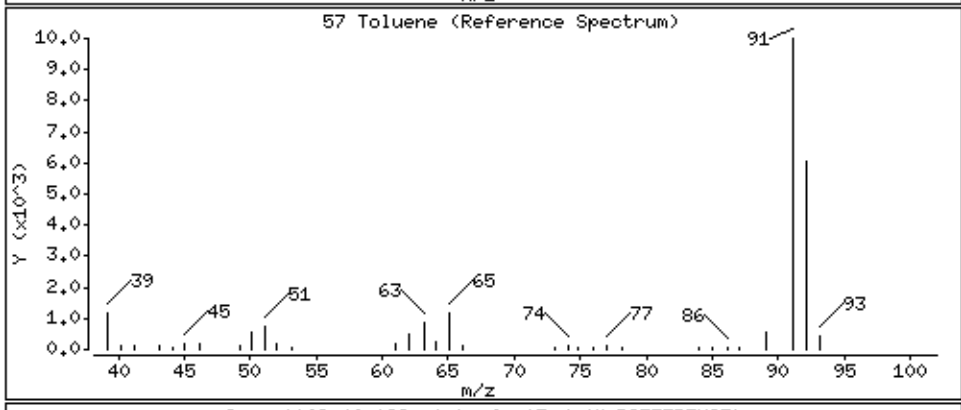
57 Toluene

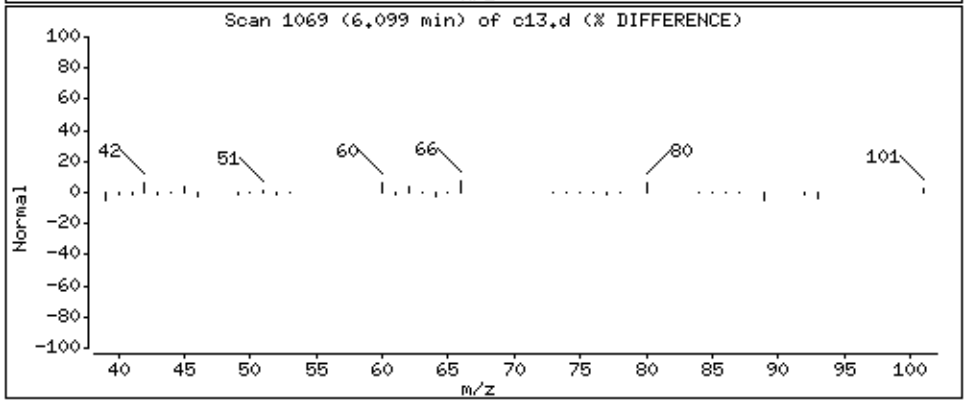
Concentration: 2.44 ppb

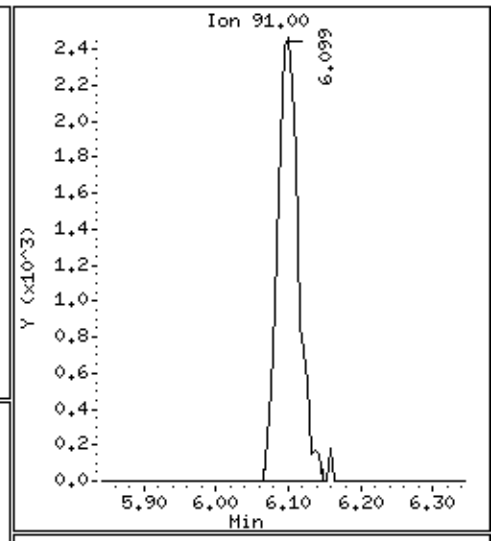
Review Code:

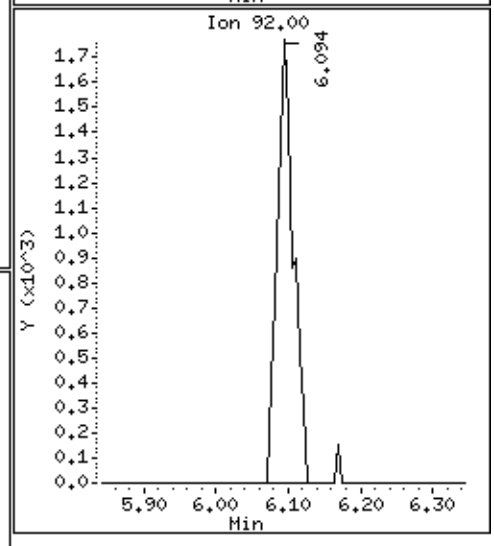












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c13.d
Injection Date: 11-OCT-2016 04:11
Instrument: 50mv3a.i
Lab Sample ID: 50155366033
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0604-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 07:41 Lab Sample ID: 50155366034

Date Analyzed: 10/07/2016 07:41 Lab File ID: A100616.B\C14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	37.8	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U

SAMPLE NO.

MW-0604-S1(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 07:41 Lab Sample ID: 50155366034

Date Analyzed: 10/07/2016 07:41 Lab File ID: A100616.B\C14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	11.8	
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c14.d
Lab Smp Id: 50155366034 Client Smp ID: MW-0604-S1(092716)P
Inj Date : 07-OCT-2016 07:41
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366034
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 75
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.037	1.036	(0.249)	35743	11.7978	11.8	
	11 1,1-Dichloroethene	96	1.598	1.592	(0.384)	2714	1.32953	1.33	
	12 Acetone	43	1.608	1.602	(0.386)	28477	68.8758	68.9	
	18 Methylene Chloride	84	1.865	1.864	(0.448)	16437	5.10791	5.11	
	22 1,2-Dichloroethene (trans)	96	2.041	2.035	(0.490)	86953	37.8221	37.8	
	28 1,2-Dichloroethene (cis)	96	2.815	2.815	(0.676)	819279	332.627	333(Q)	
$	35 Dibromofluoromethane (S)	113	3.328	3.328	(0.799)	98996	47.5539	47.6	
	37 Cyclohexane	56	3.419	3.418	(0.821)	5135	1.13570	1.14	
*	45 Fluorobenzene (IS)	96	4.167	4.166	(1.000)	460380	50.0000		
	46 Trichloroethene	95	4.621	4.620	(1.109)	2753664	1148.37	1150	
$	56 Toluene-d8 (S)	98	6.020	6.020	(0.820)	440328	45.8514	45.8	
	57 Toluene	91	6.095	6.089	(0.830)	6463	0.56687	0.567	
*	66 Chlorobenzene-D5 (IS)	117	7.345	7.344	(1.000)	309715	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.162	8.161	(1.111)	140129	50.7448	50.7	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.840	(1.000)	137162	50.0000		

QC Flag Legend

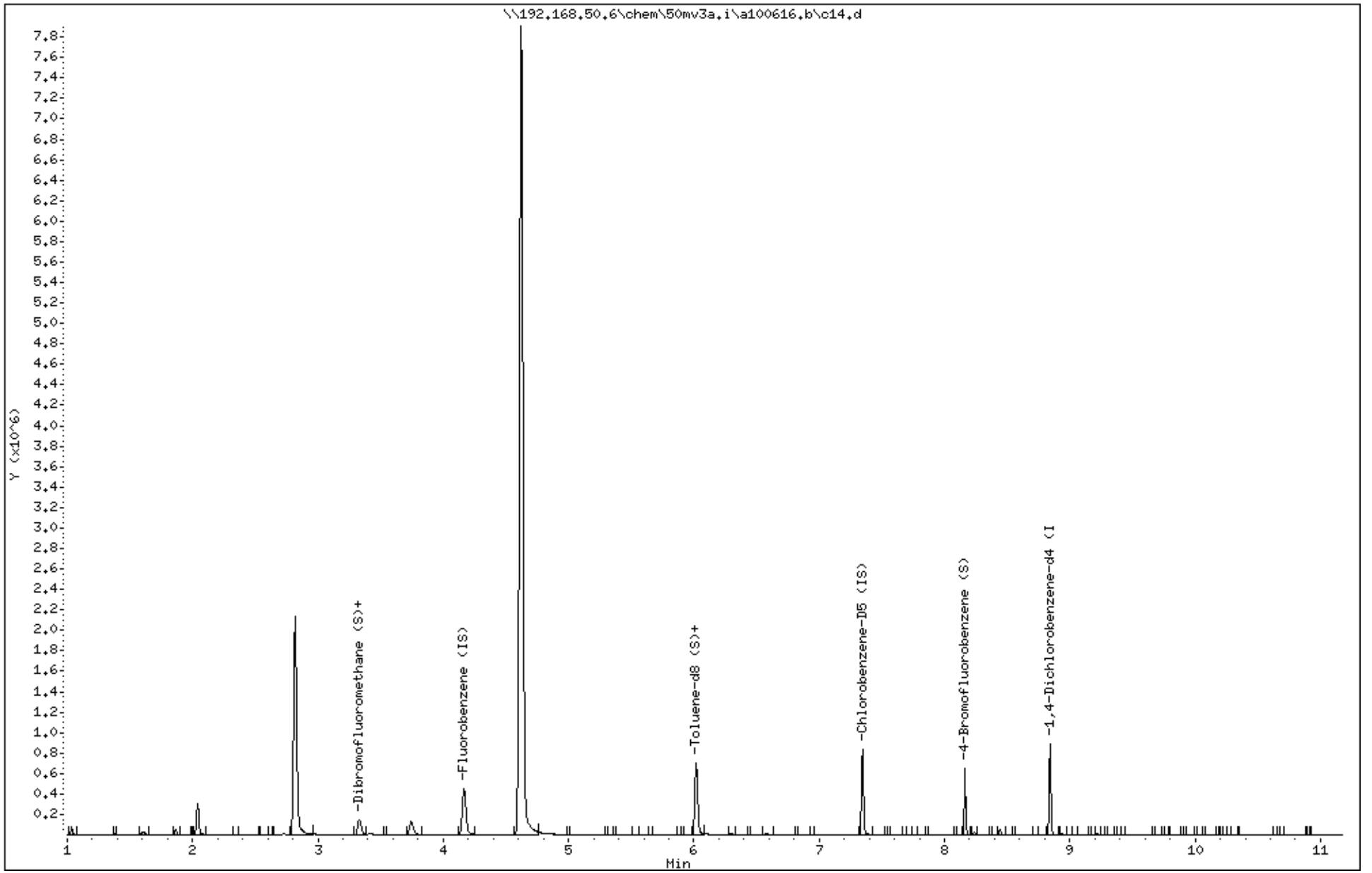
Q - Qualifier signal failed the ratio test.

QC Flag Legend

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c14.d
Date : 07-OCT-2016 07:41
Client ID: MW-0604-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 50155366034
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

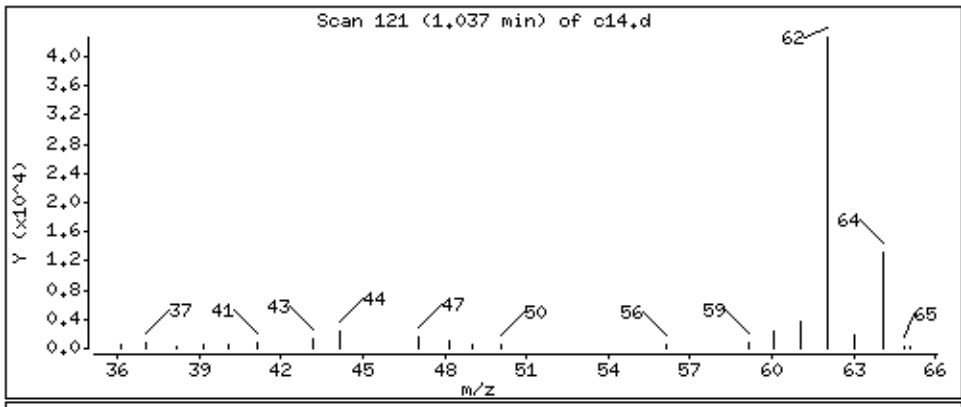
Column phase: DB-624

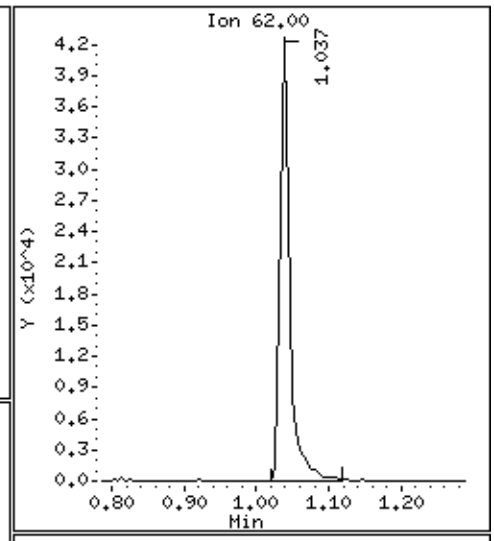
Column diameter: 0.18

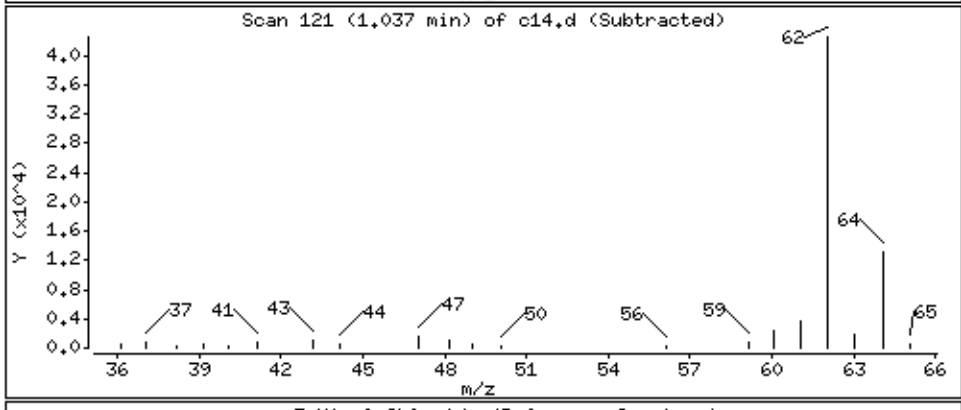
3 Vinyl Chloride

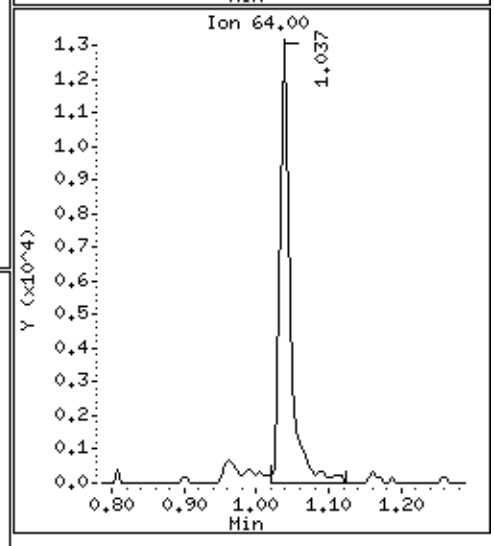
Concentration: 11.8 ppb

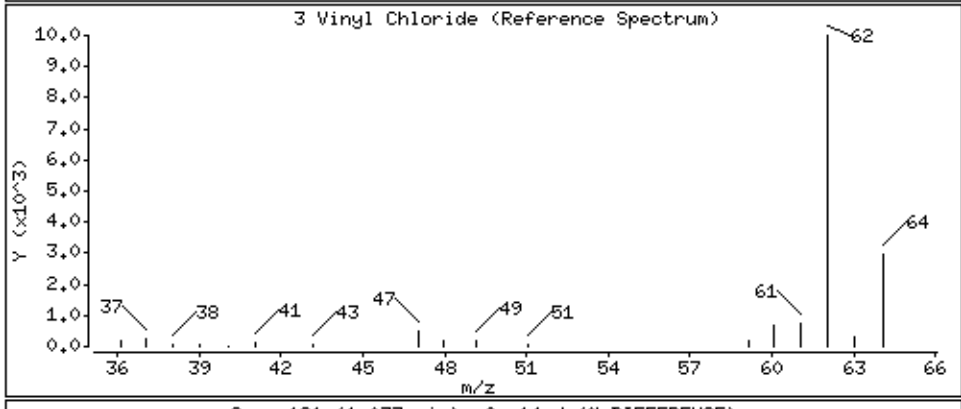
Review Code:

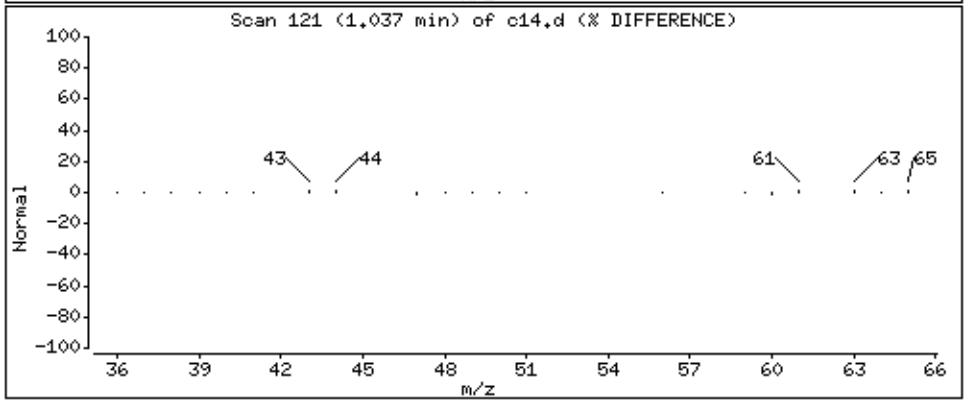












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Page 5

Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

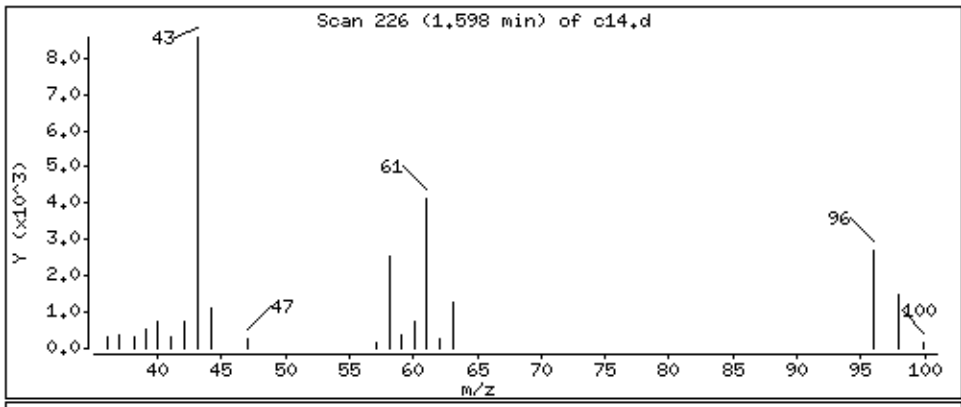
Column phase: DB-624

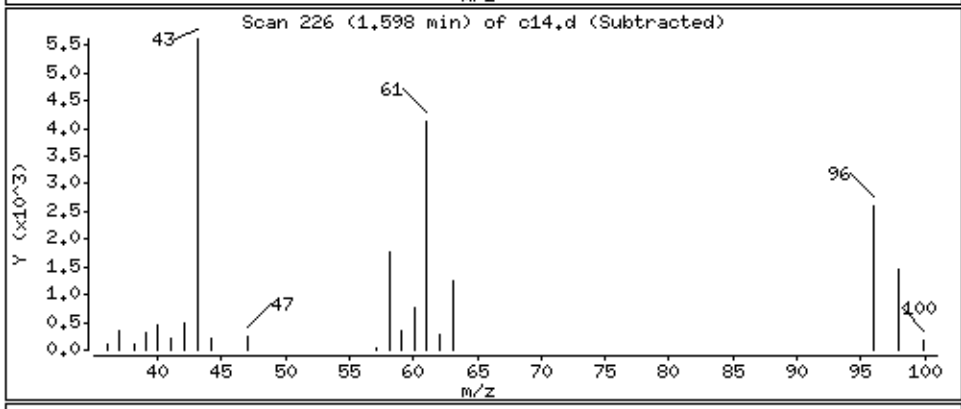
Column diameter: 0.18

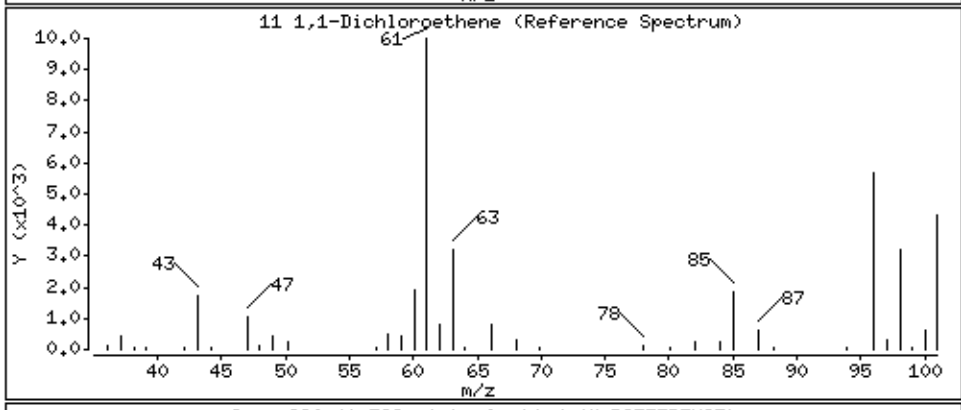
11 1,1-Dichloroethene

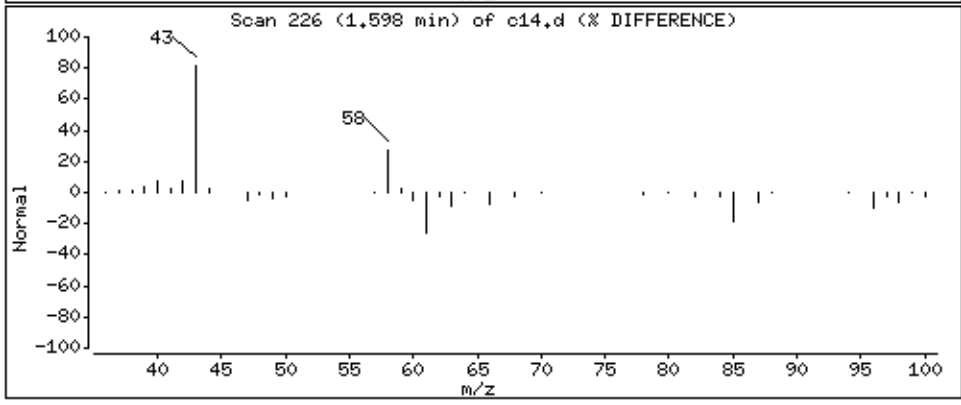
Concentration: 1.33 ppb

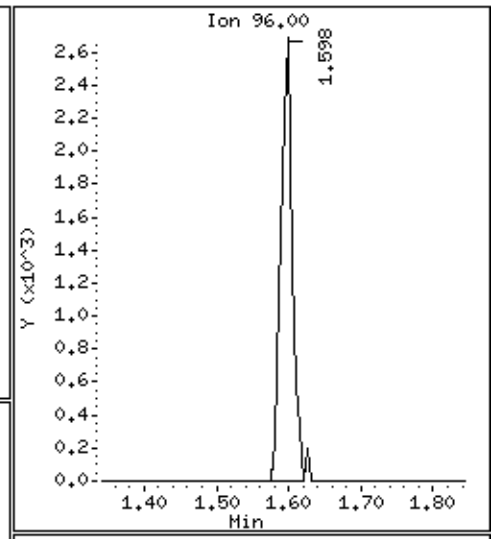
Review Code:

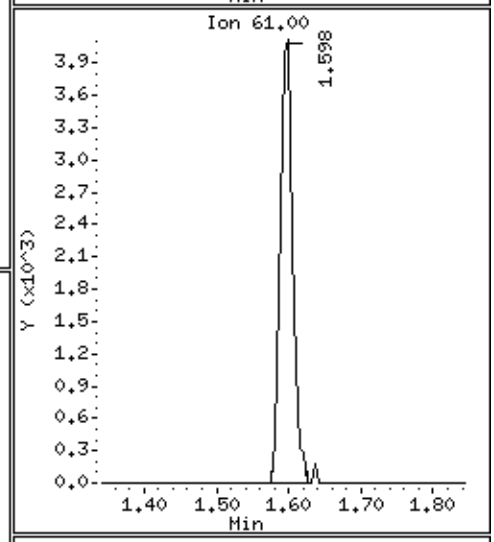


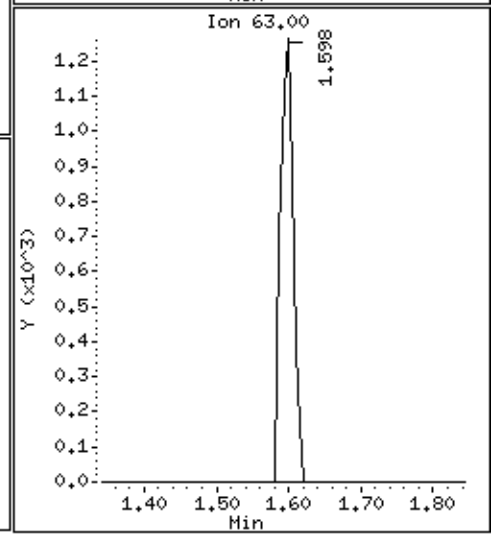












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Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

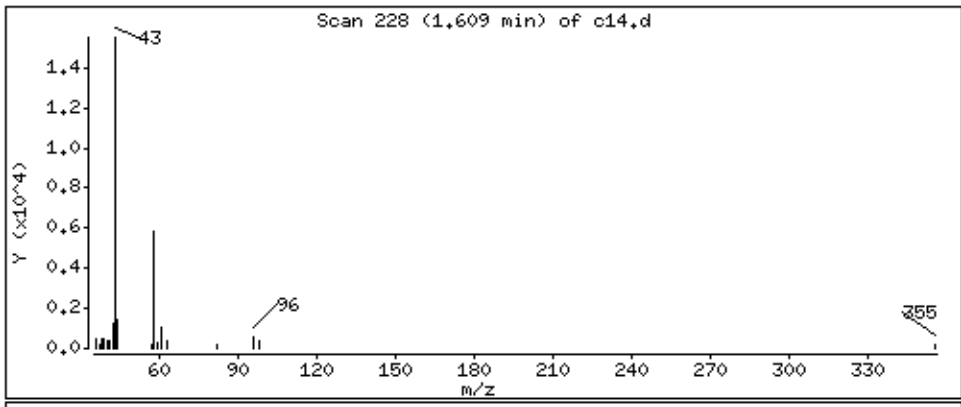
Column phase: DB-624

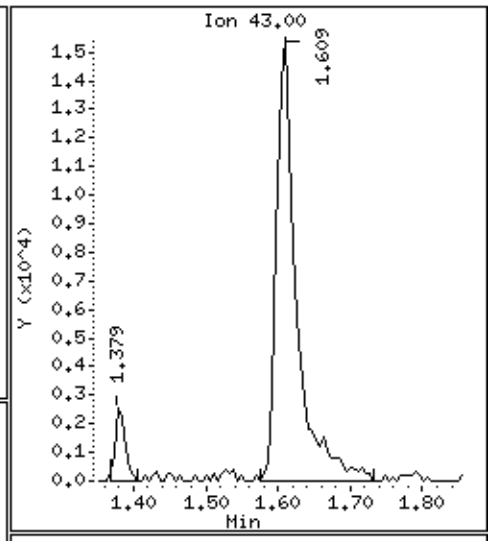
Column diameter: 0.18

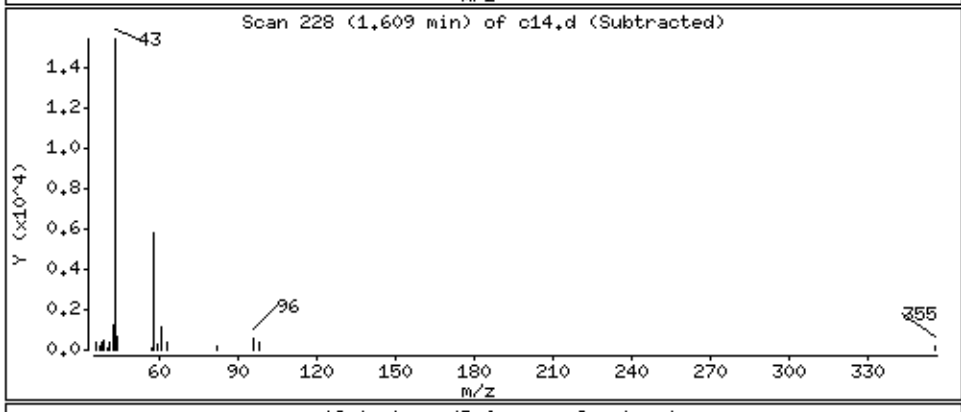
12 Acetone

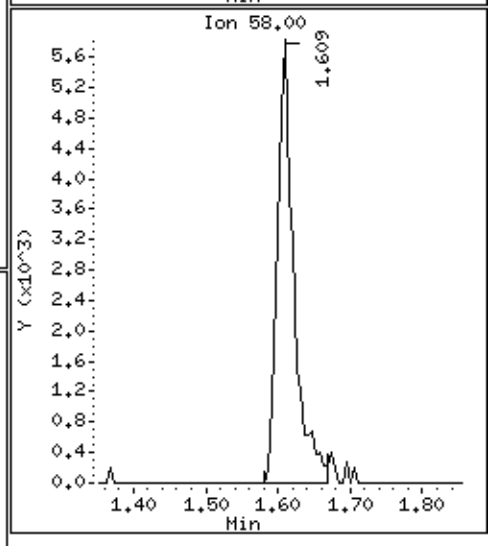
Concentration: 68.9 ppb

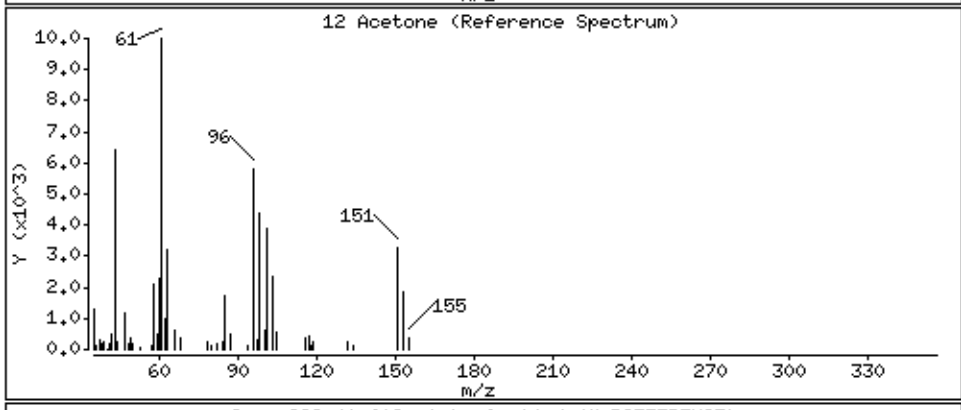
Review Code:

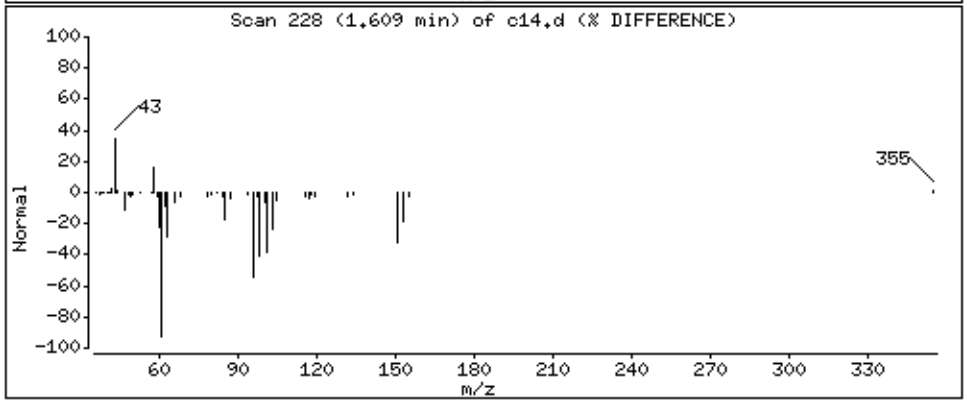












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Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

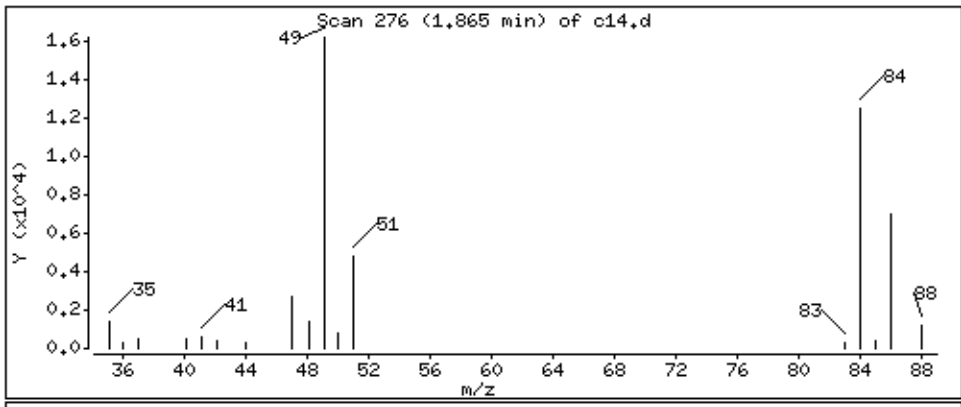
Column phase: DB-624

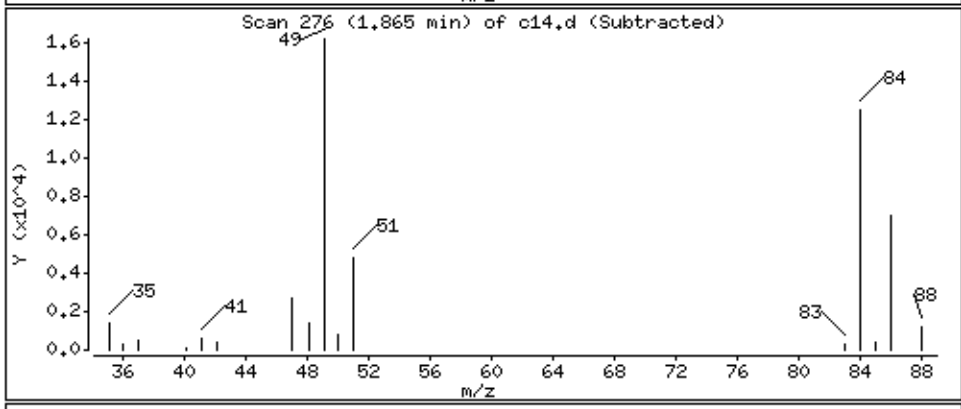
Column diameter: 0.18

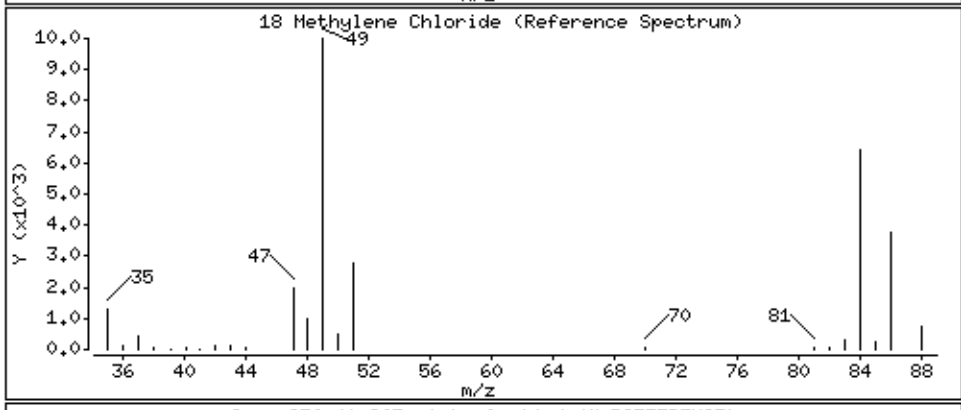
18 Methylene Chloride

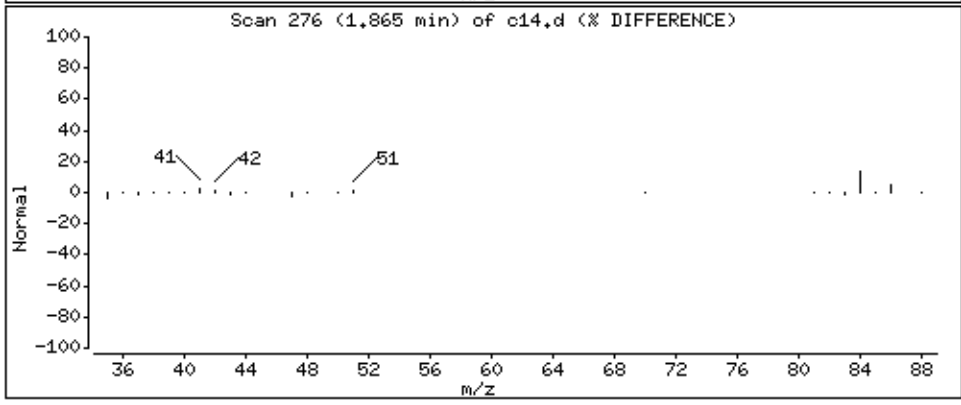
Concentration: 5.11 ppb

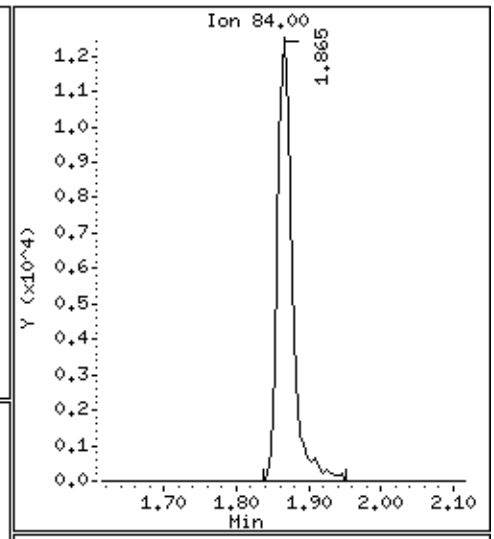
Review Code:

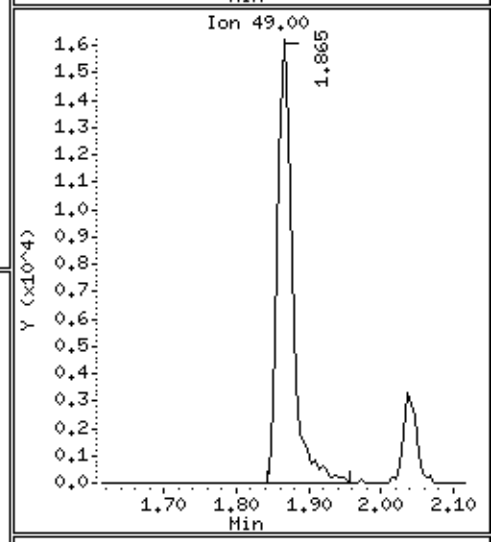


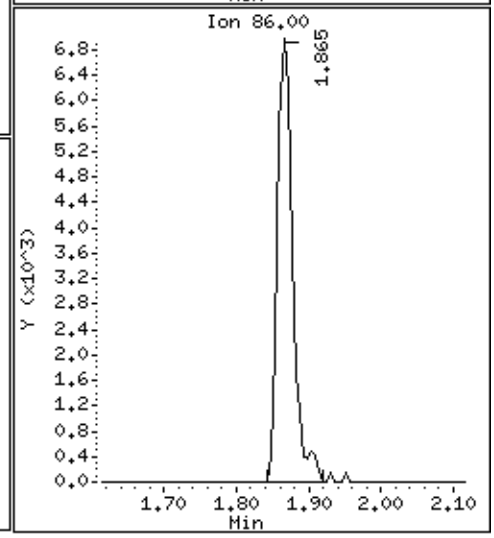












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Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

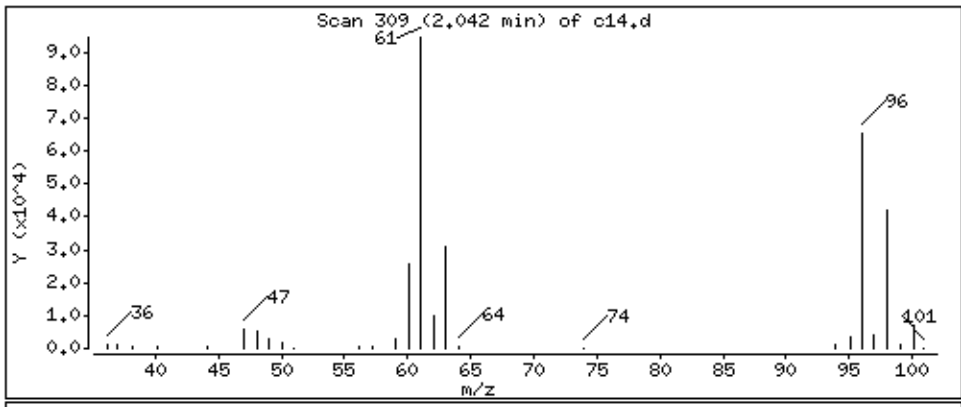
Column phase: DB-624

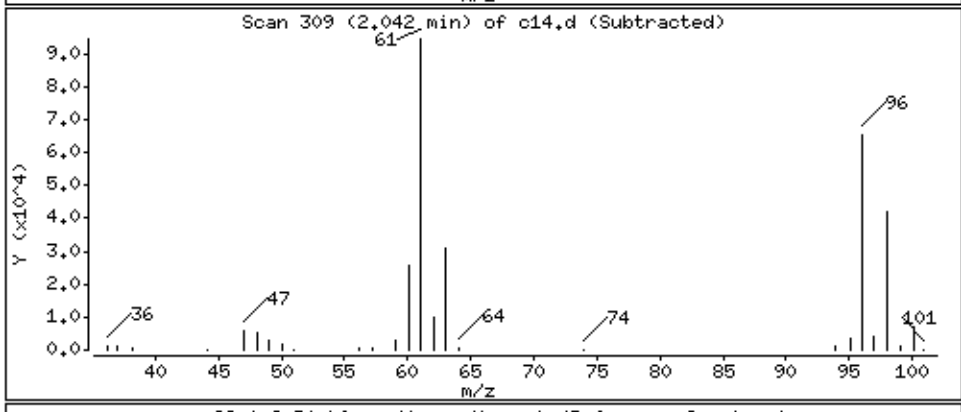
Column diameter: 0.18

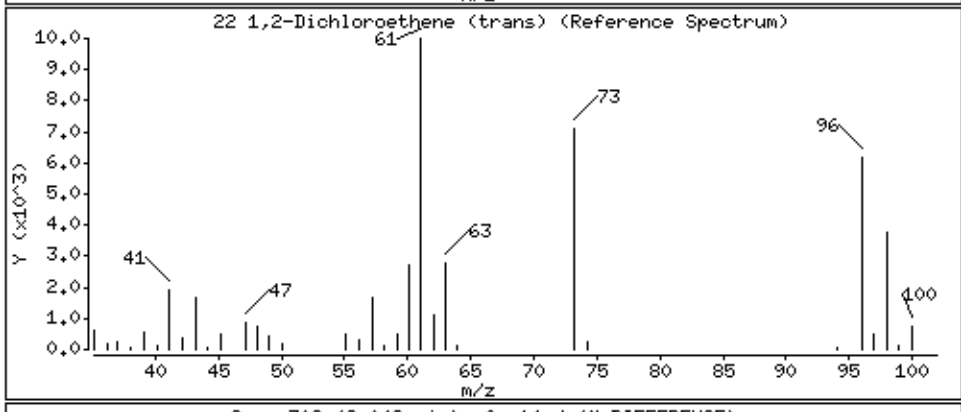
22 1,2-Dichloroethene (trans)

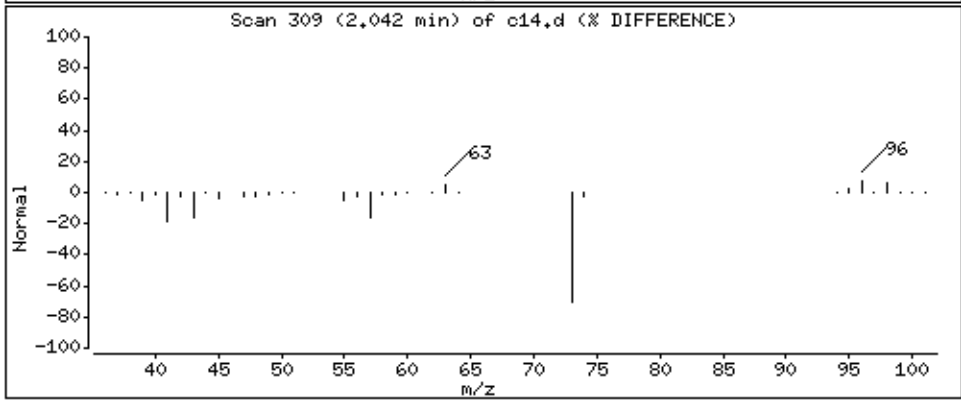
Concentration: 37.8 ppb

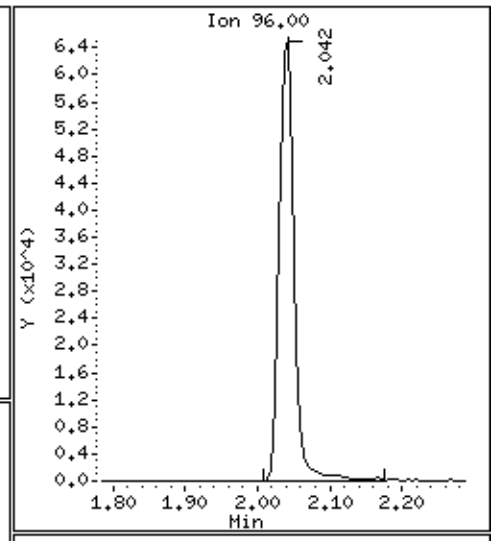
Review Code:

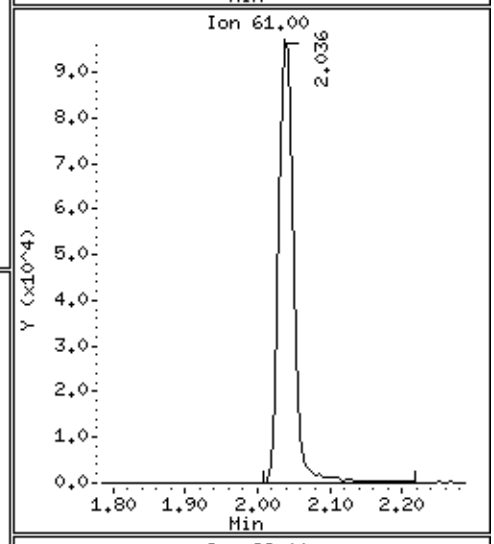


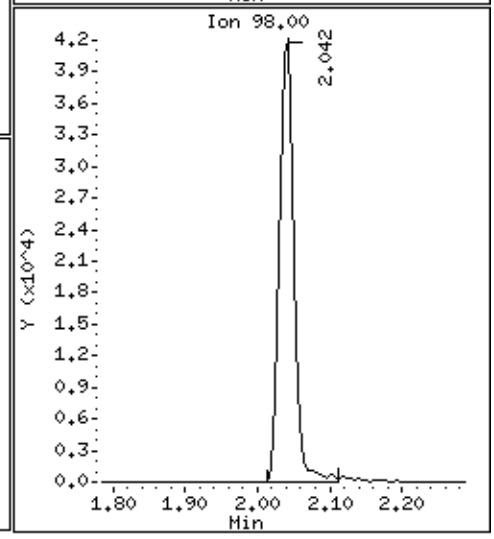












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Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

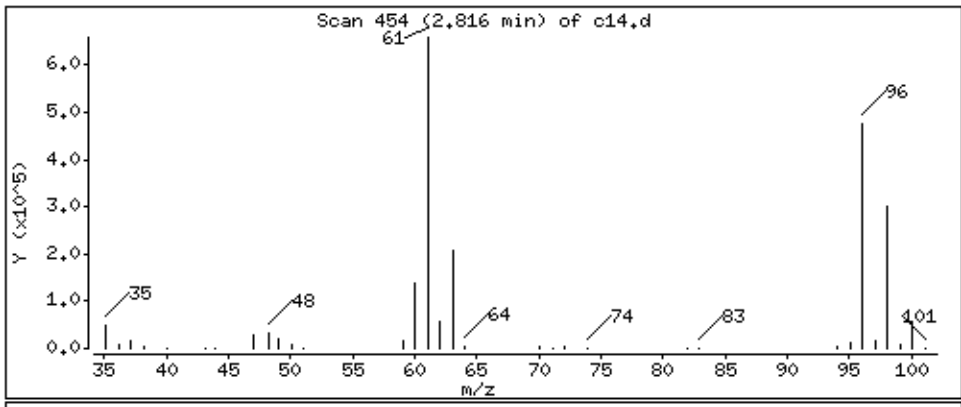
Column phase: DB-624

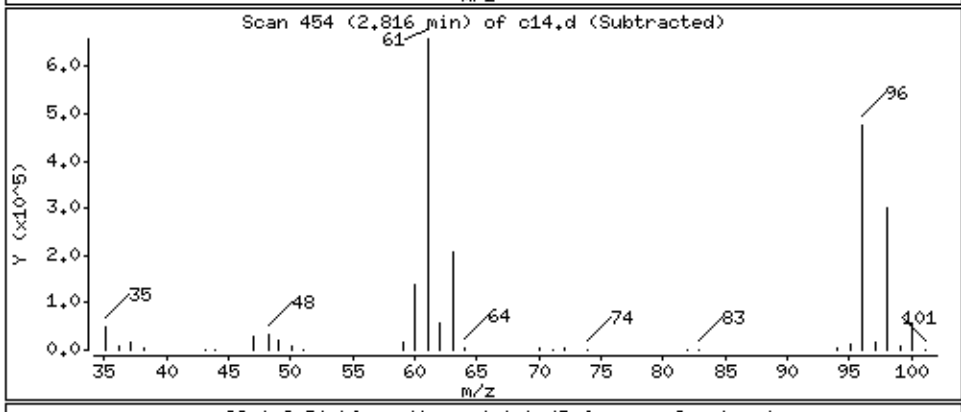
Column diameter: 0.18

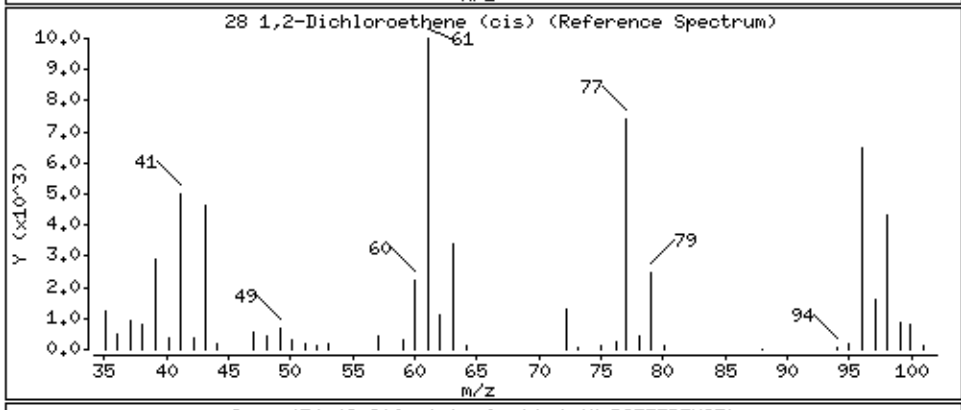
28 1,2-Dichloroethene (cis)

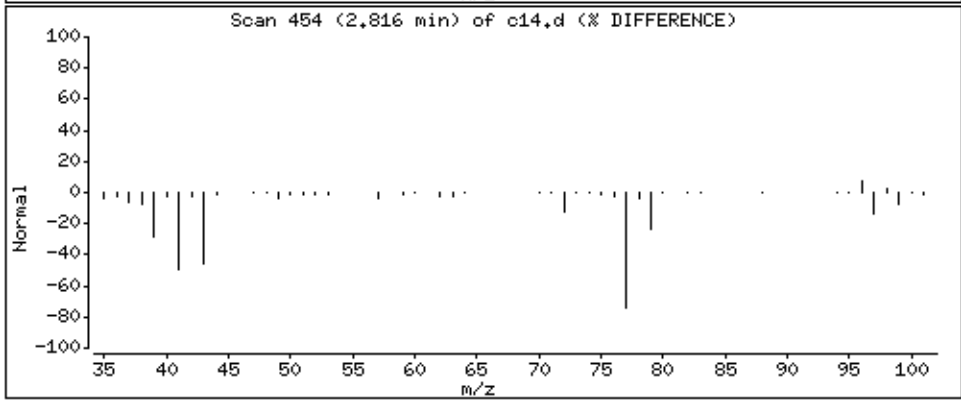
Concentration: 333 ppb

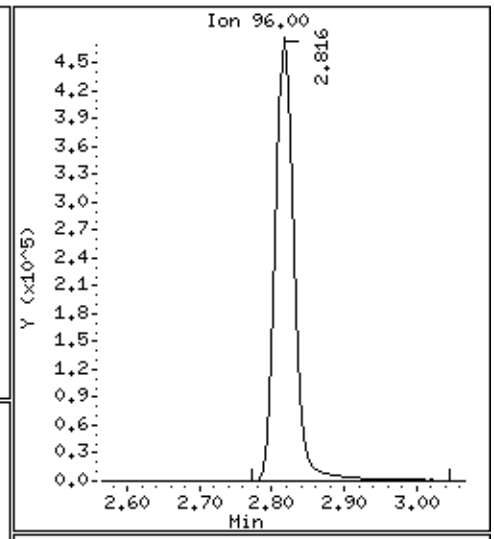
Review Code:

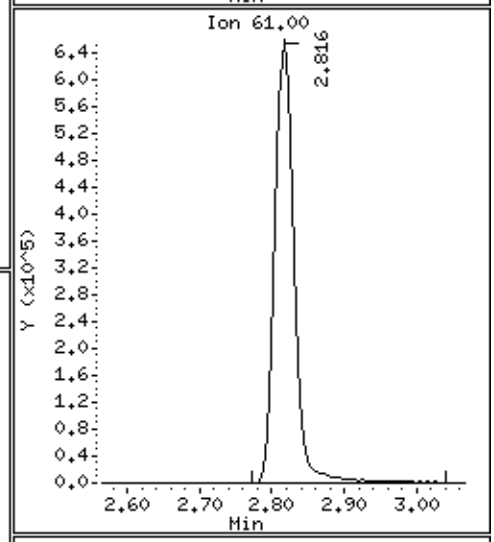


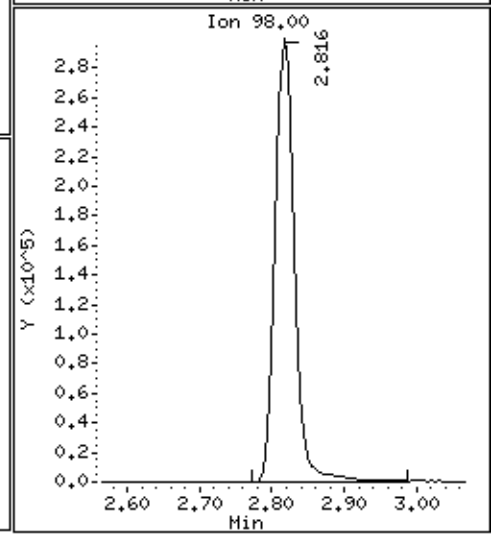












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Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

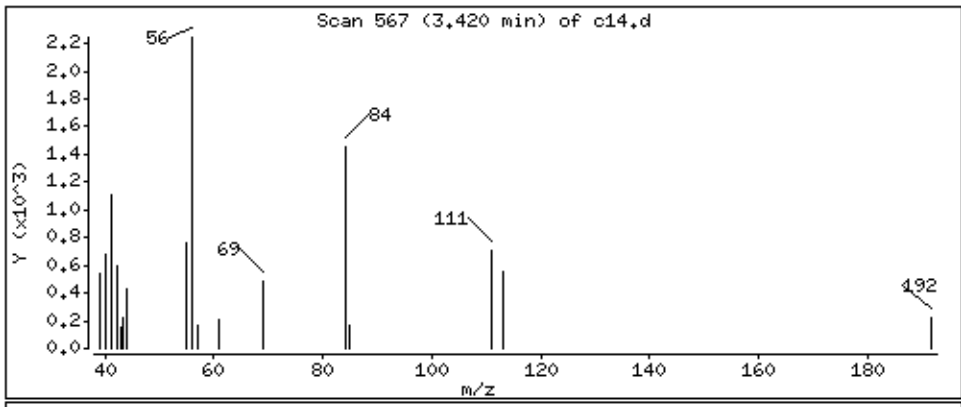
Column phase: DB-624

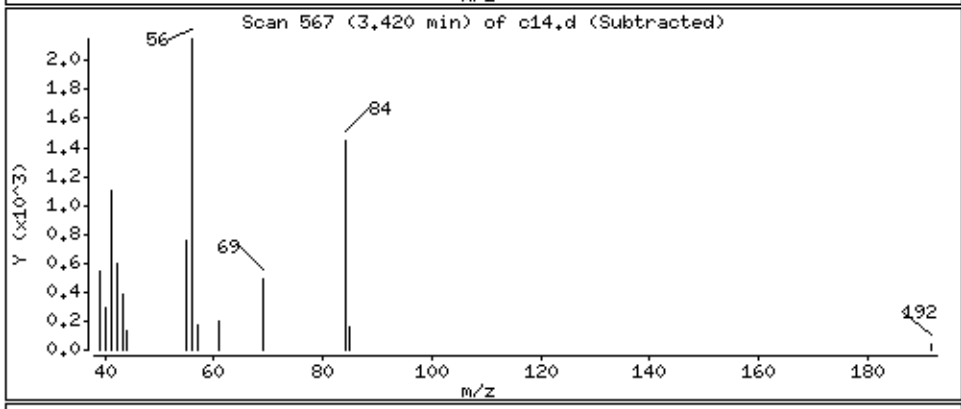
Column diameter: 0.18

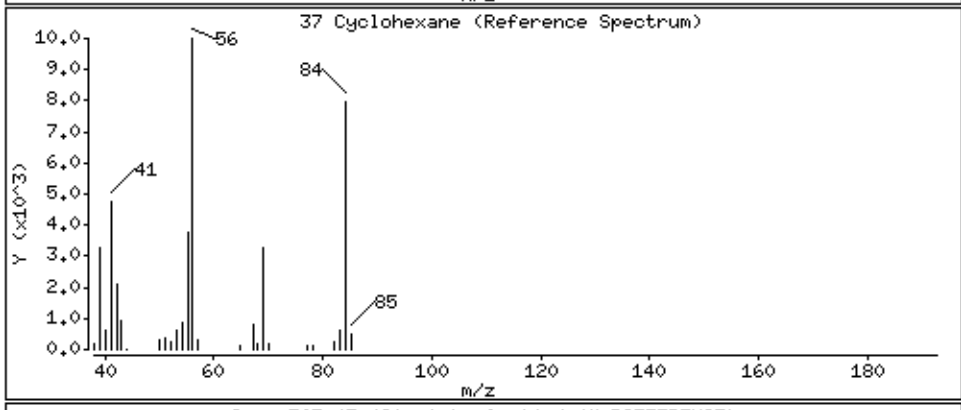
37 Cyclohexane

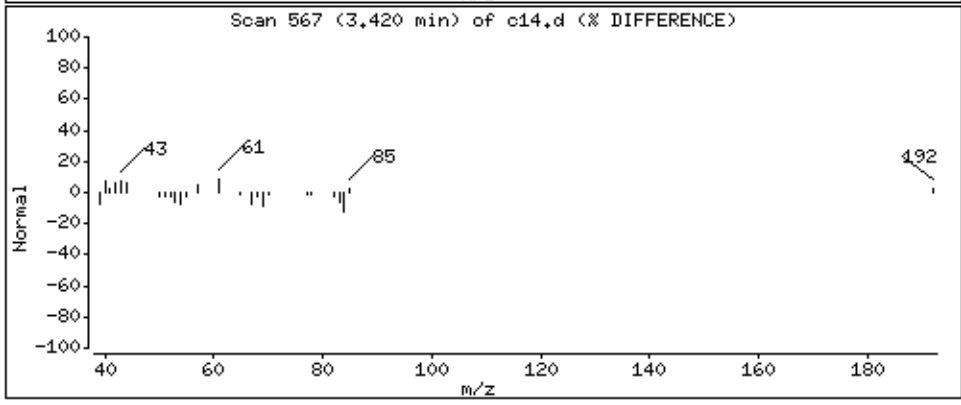
Concentration: 1.14 ppb

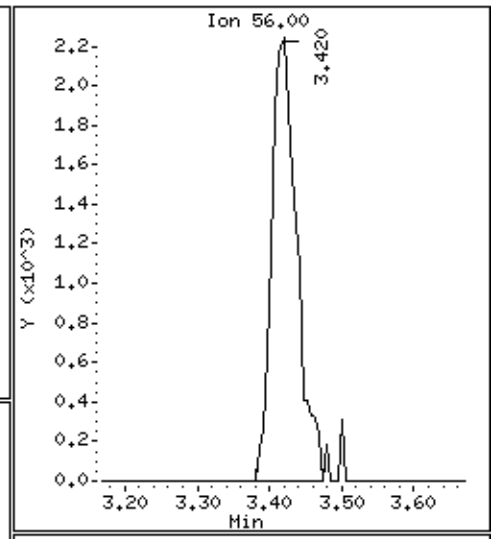
Review Code:

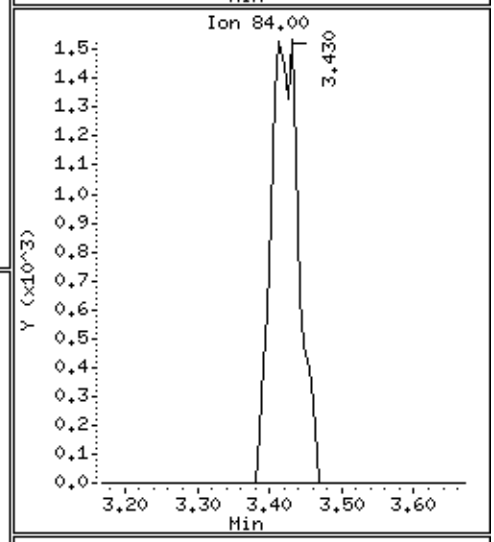


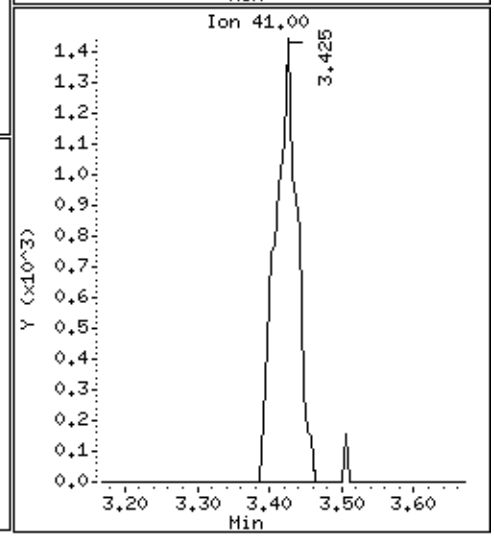












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Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

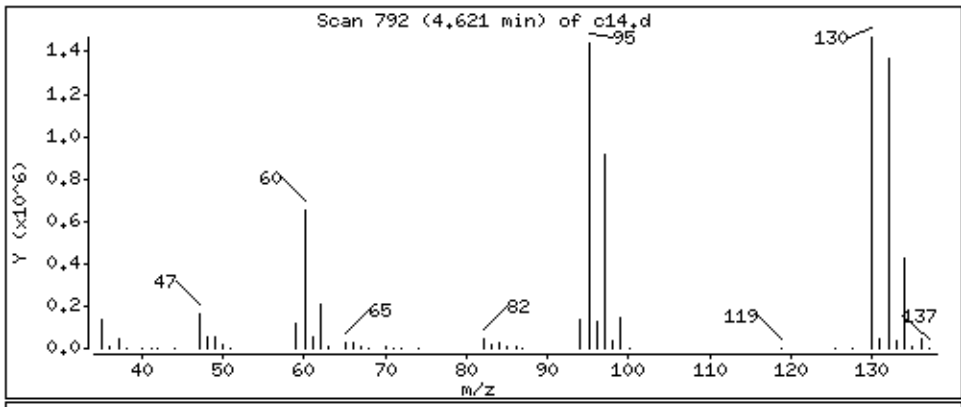
Column phase: DB-624

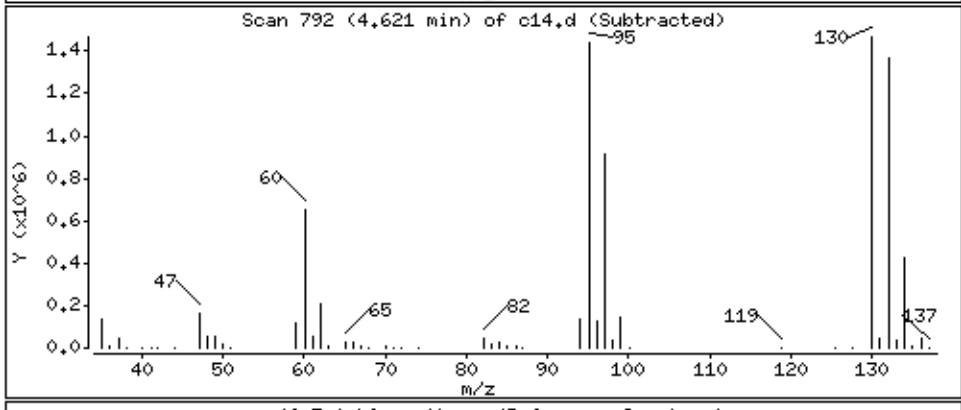
Column diameter: 0.18

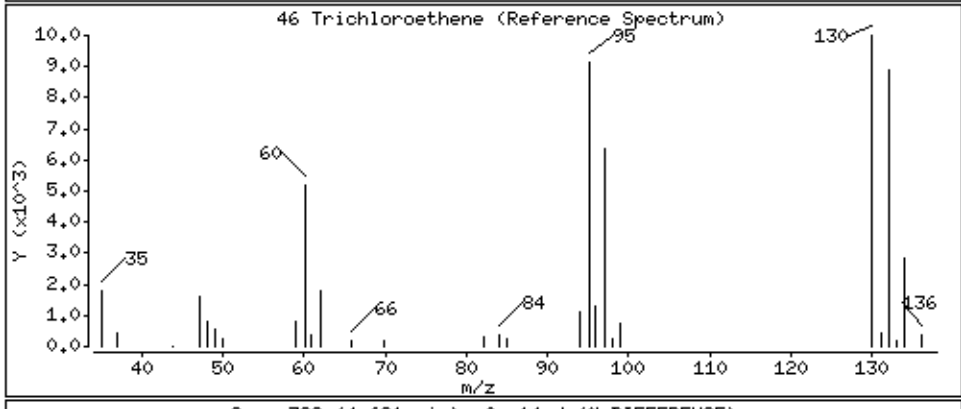
46 Trichloroethene

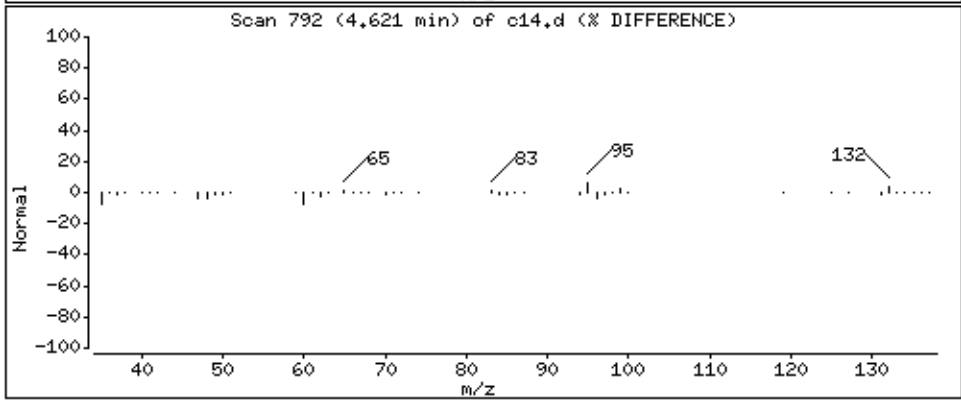
Concentration: 1150 ppb

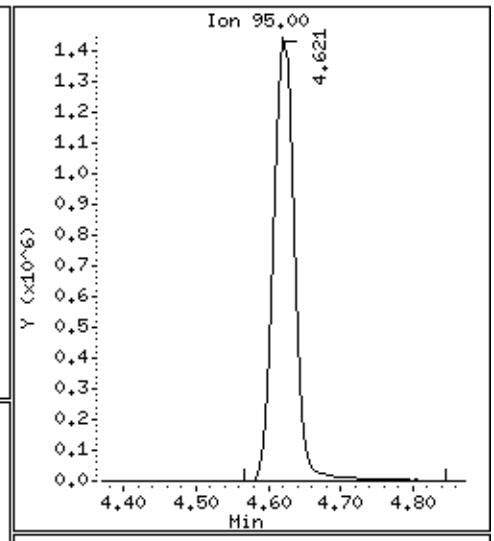
Review Code:

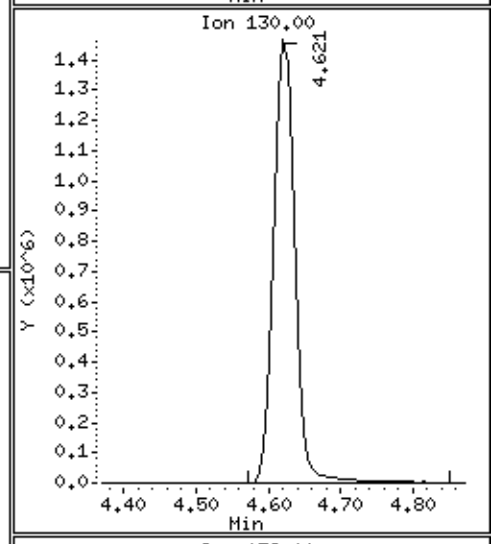


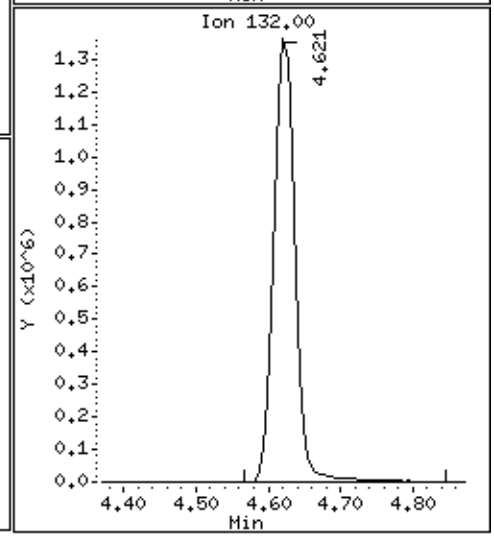












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c14.d

Date : 07-OCT-2016 07:41

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034

Purge Volume: 5.0

Operator: jlz

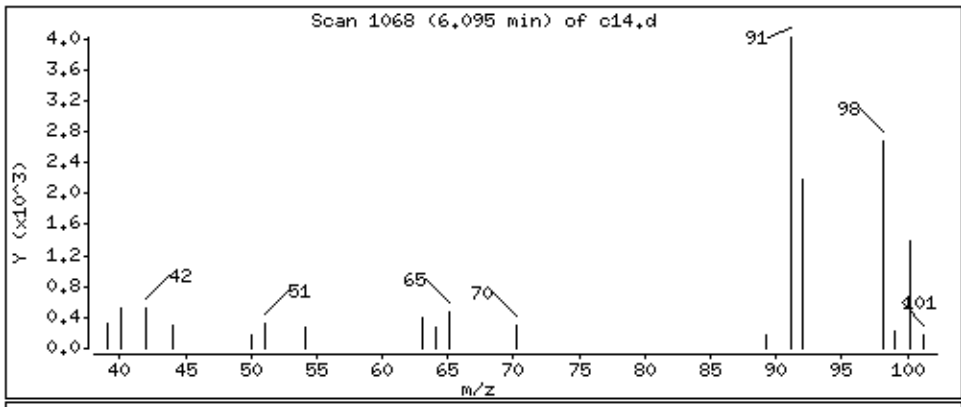
Column phase: DB-624

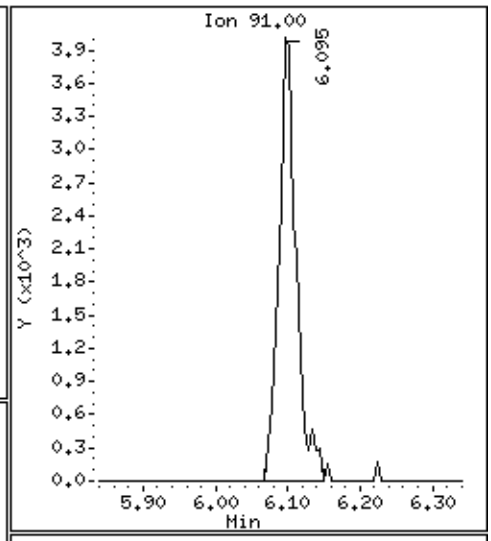
Column diameter: 0.18

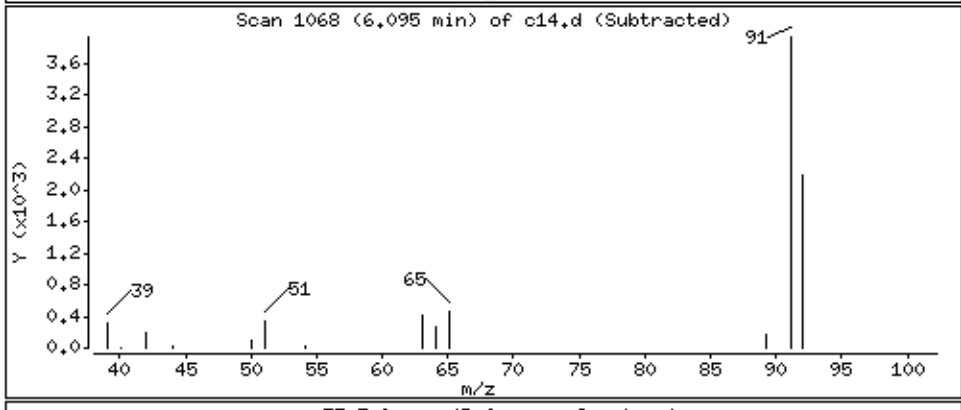
57 Toluene

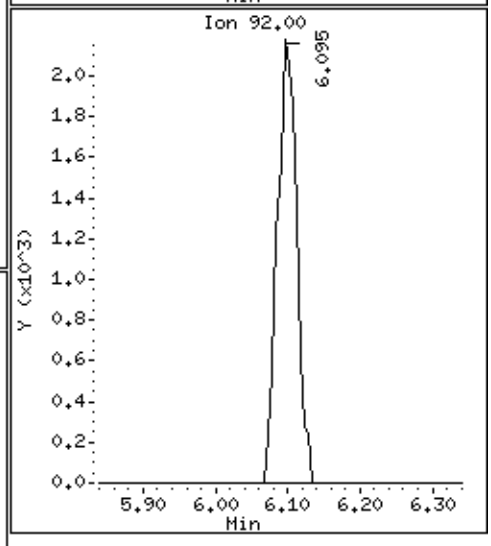
Concentration: 0.567 ppb

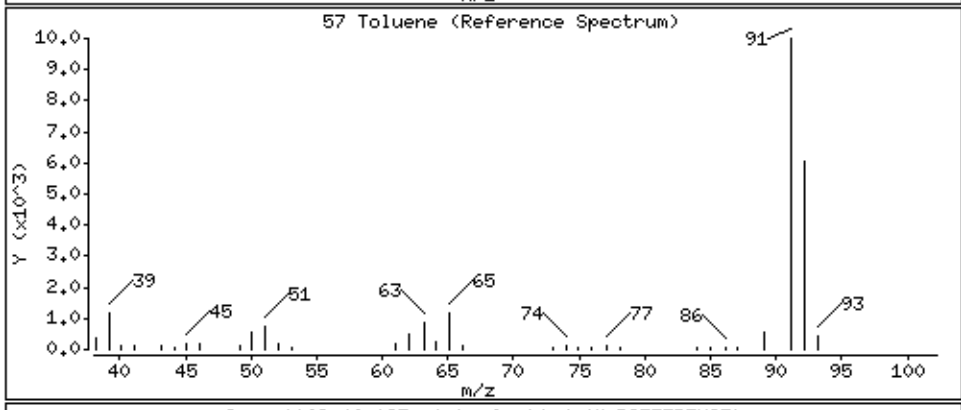
Review Code:

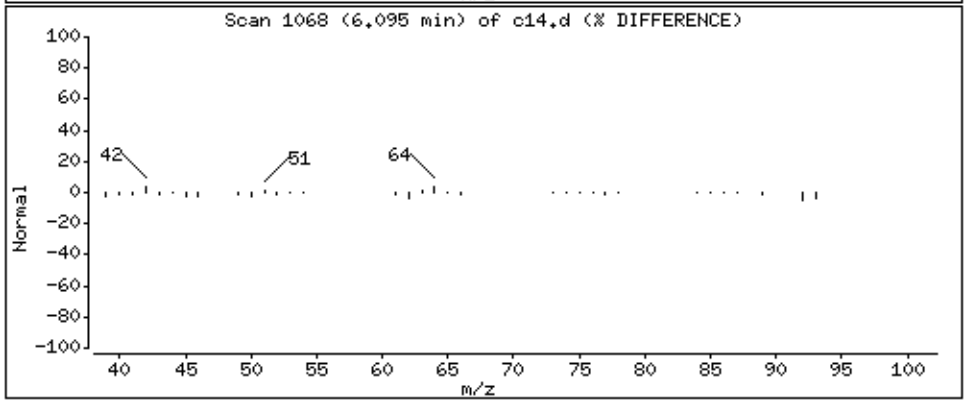












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c14.d
Injection Date: 07-OCT-2016 07:41
Instrument: 50mv3a.i
Lab Sample ID: 50155366034
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0604-S1(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 04:43 Lab Sample ID: 50155366034

Date Analyzed: 10/11/2016 04:43 Lab File ID: A101016.B\C14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 5 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
156-59-2	cis-1,2-Dichloroethene	344	
79-01-6	Trichloroethene	1190	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c14.d
Lab Smp Id: 50155366034 Client Smp ID: MW-0604-S1(092716)P
Inj Date : 11-OCT-2016 04:43
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366034x5
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 75
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.033	1.035	(0.248)	6911	2.61176	13.0	
	12 Acetone	43	1.605	1.606	(0.386)	5692	15.7624	78.8	
	18 Methylene Chloride	84	1.861	1.862	(0.447)	16499	6.37173	31.8	
	22 1,2-Dichloroethene (trans)	96	2.037	2.039	(0.489)	15523	7.73074	38.6	
	28 1,2-Dichloroethene (cis)	96	2.817	2.813	(0.677)	147905	68.7532	344(Q)	
$	35 Dibromofluoromethane (S)	113	3.330	3.331	(0.800)	89104	49.0061	49.0	
*	45 Fluorobenzene (IS)	96	4.163	4.164	(1.000)	402098	50.0000		
	46 Trichloroethene	95	4.617	4.618	(1.109)	496410	237.026	1180	
$	56 Toluene-d8 (S)	98	6.016	6.018	(0.820)	381112	47.3990	47.4	
	57 Toluene	91	6.097	6.093	(0.830)	3729	0.39064	1.95	
*	66 Chlorobenzene-D5 (IS)	117	7.341	7.342	(1.000)	259312	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.165	(1.112)	114510	49.5275	49.5	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.838	(1.000)	108718	50.0000		

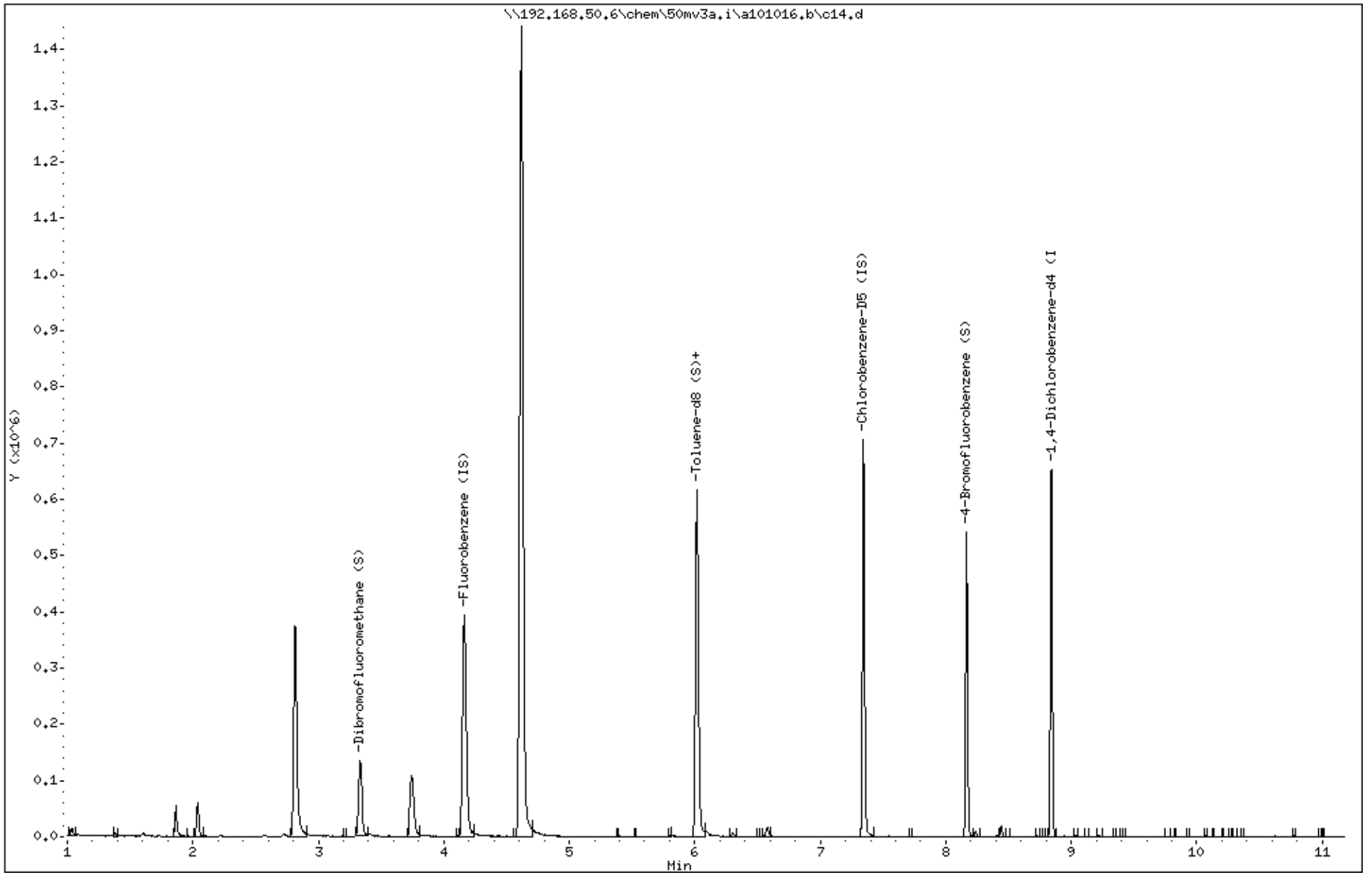
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c14.d
Date : 11-OCT-2016 04:43
Client ID: MW-0604-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 50155366034x5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 11-OCT-2016 04:43

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034x5

Purge Volume: 5.0

Operator: jlz

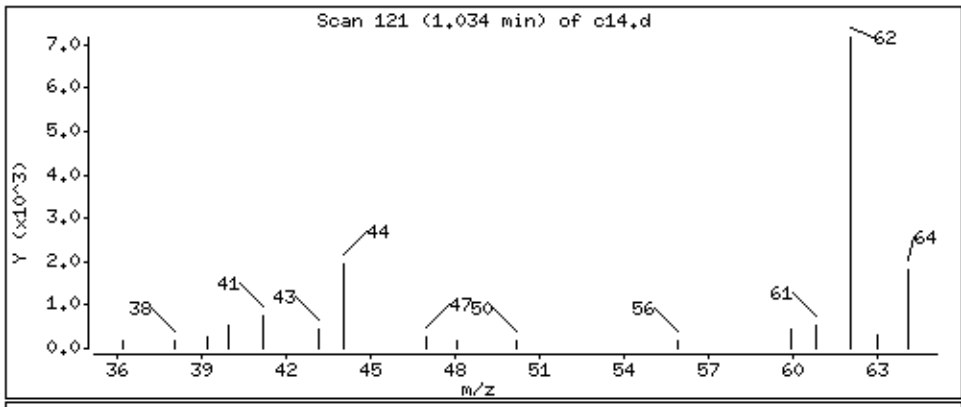
Column phase: DB-624

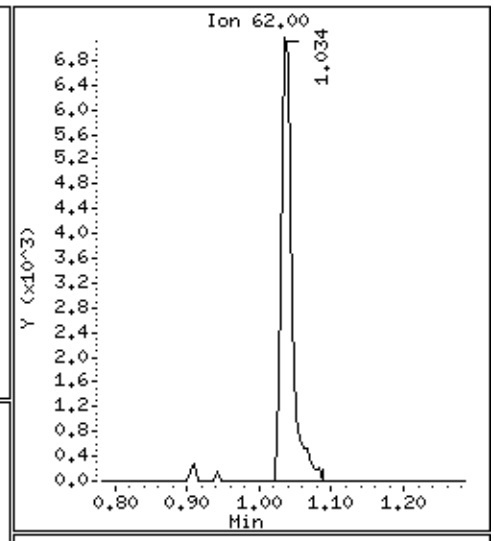
Column diameter: 0.18

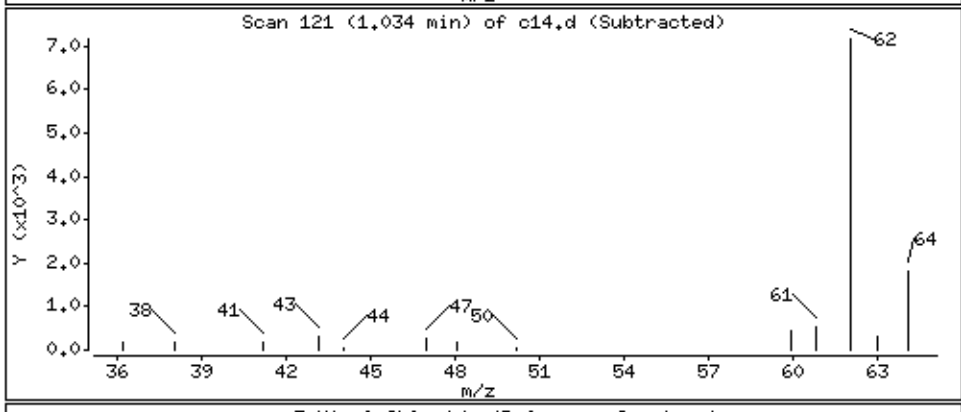
3 Vinyl Chloride

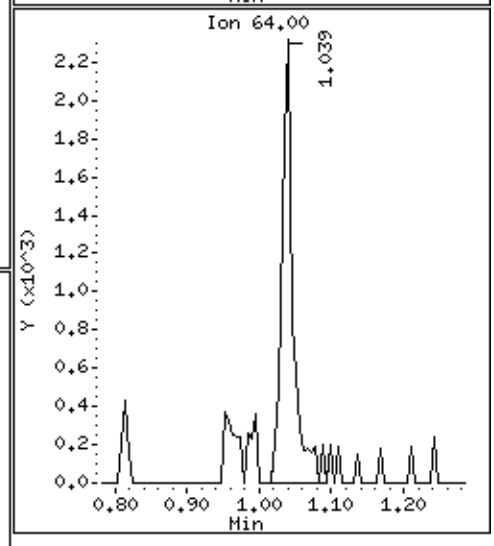
Concentration: 13.0 ppb

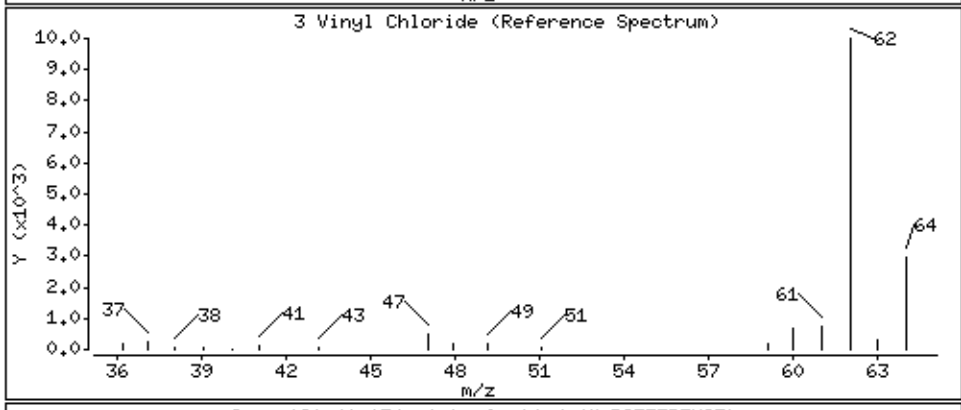
Review Code:

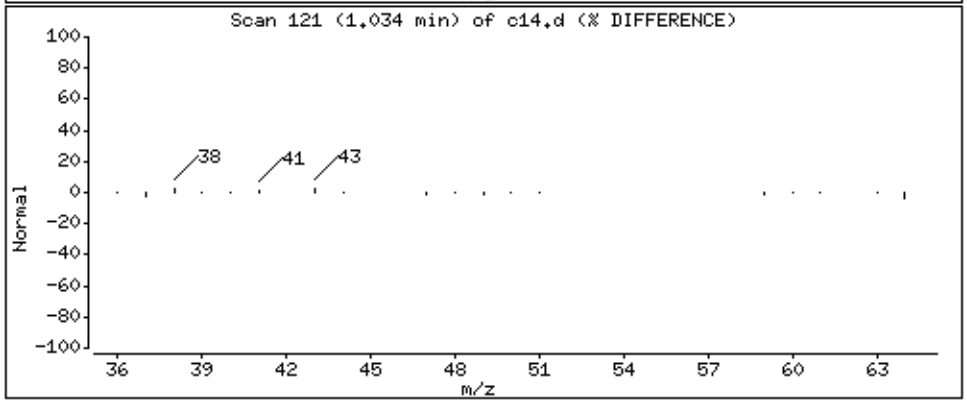












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Date : 11-OCT-2016 04:43

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034x5

Purge Volume: 5.0

Operator: jlz

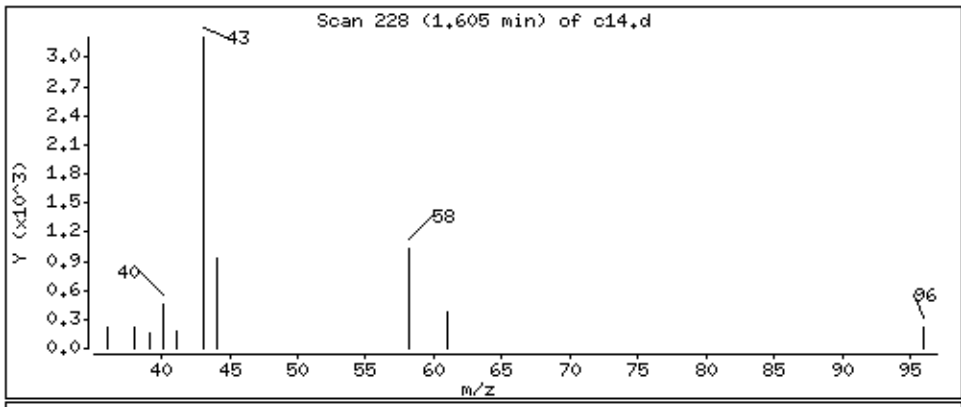
Column phase: DB-624

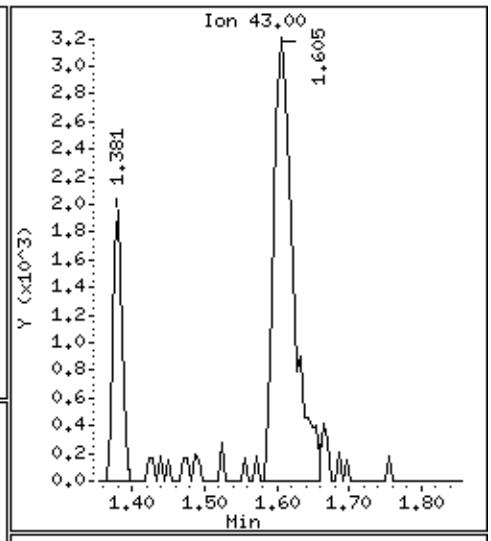
Column diameter: 0.18

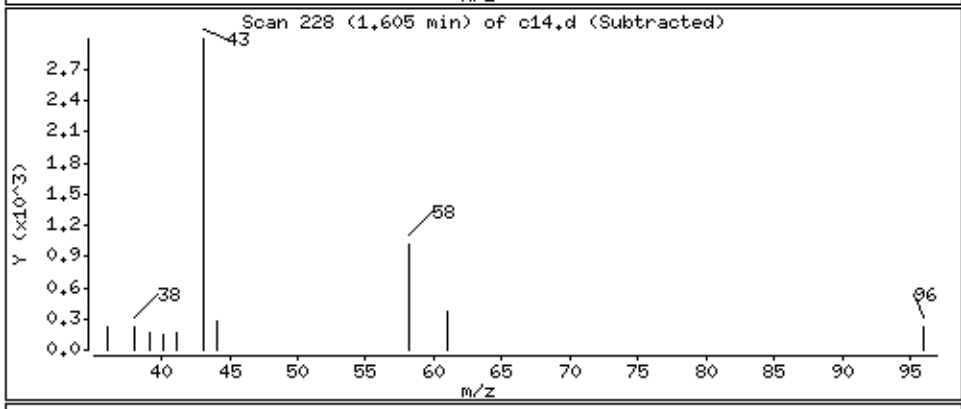
12 Acetone

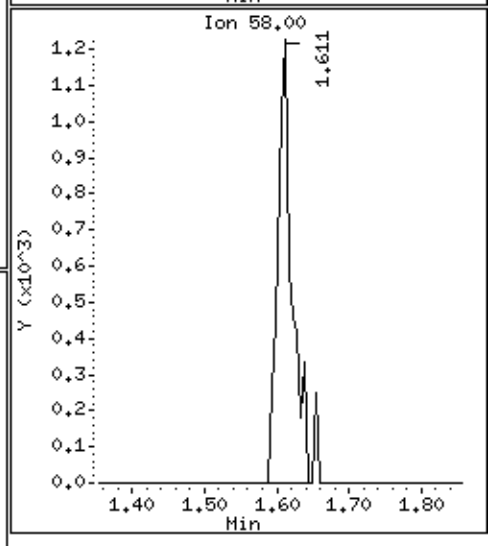
Concentration: 78.8 ppb

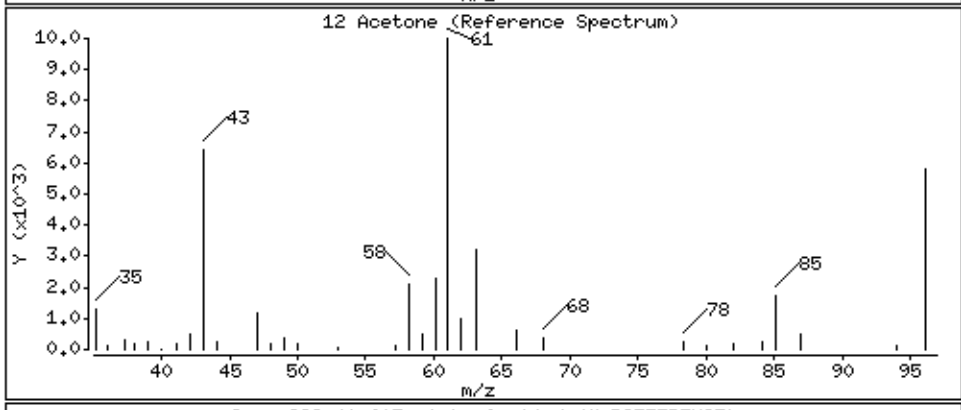
Review Code:

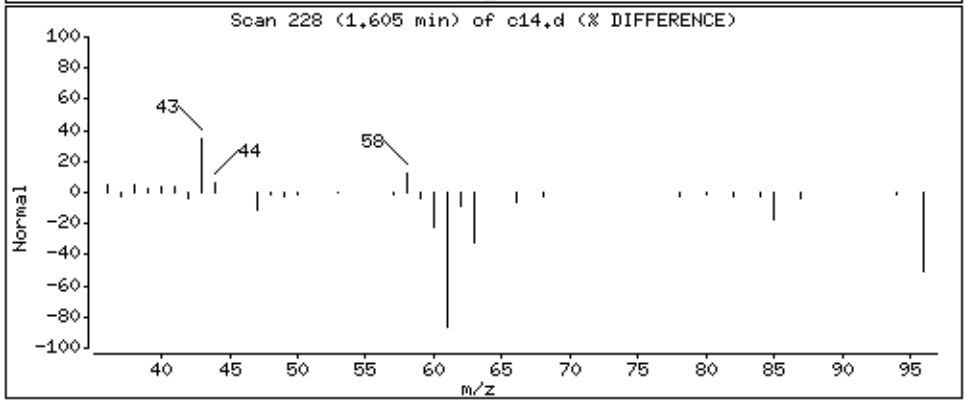












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Date : 11-OCT-2016 04:43

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034x5

Purge Volume: 5.0

Operator: jlz

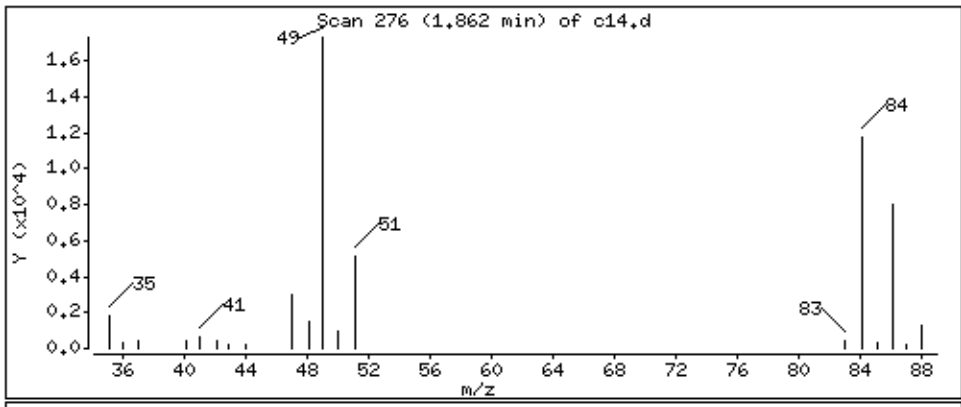
Column phase: DB-624

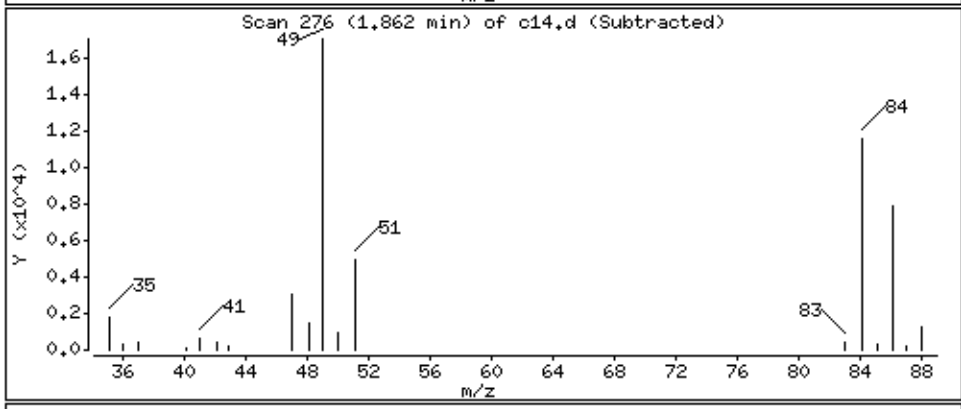
Column diameter: 0.18

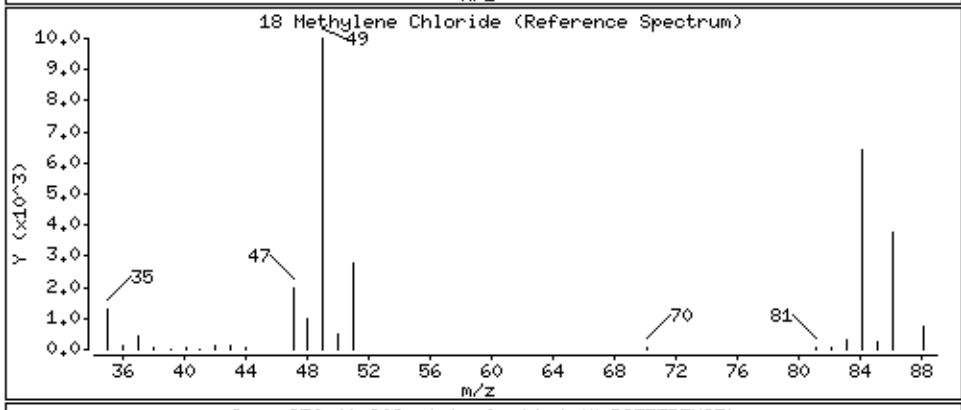
18 Methylene Chloride

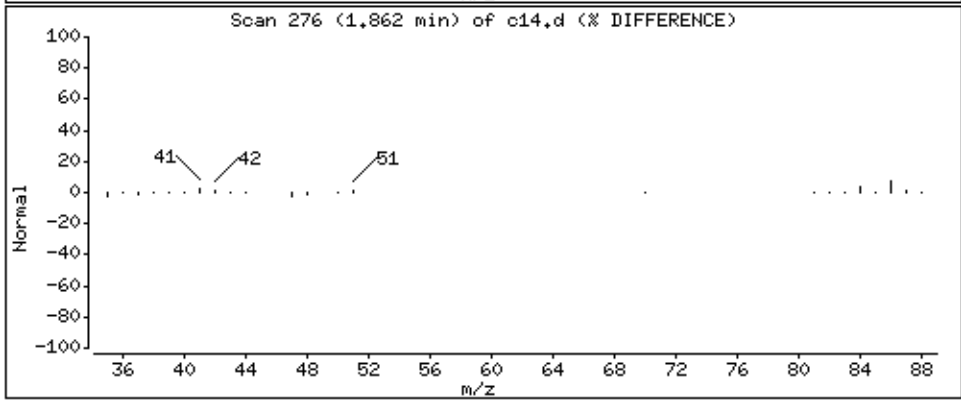
Concentration: 31.8 ppb

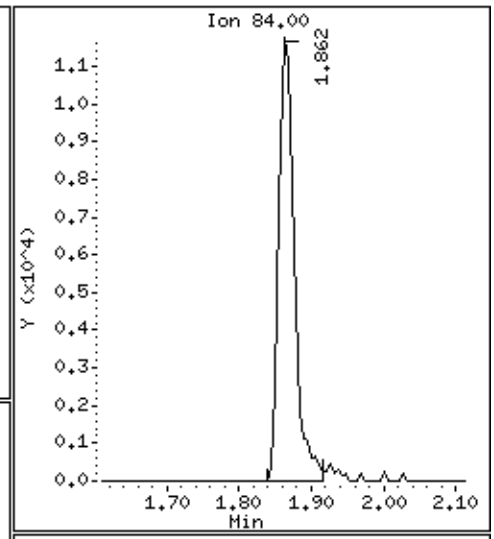
Review Code:

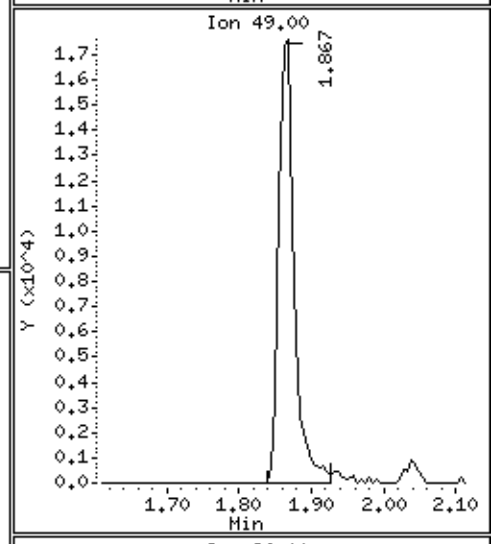


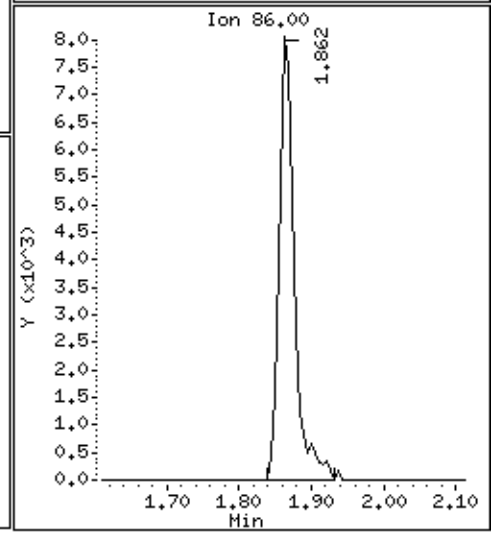












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Date : 11-OCT-2016 04:43

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034x5

Purge Volume: 5.0

Operator: jlz

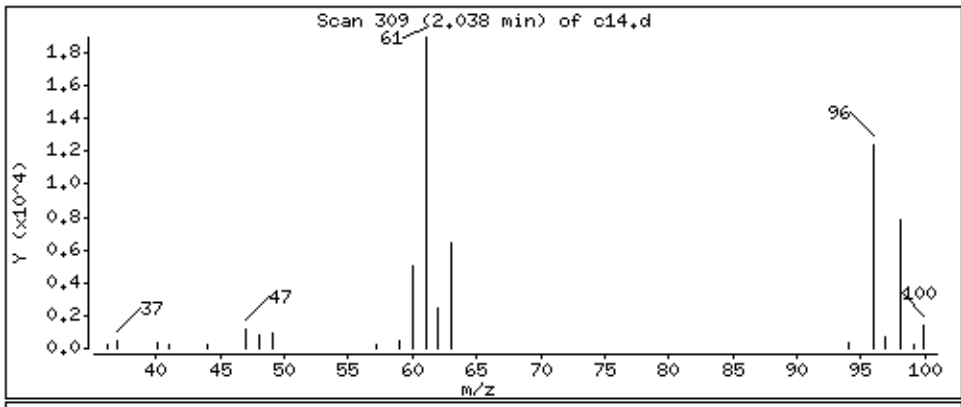
Column phase: DB-624

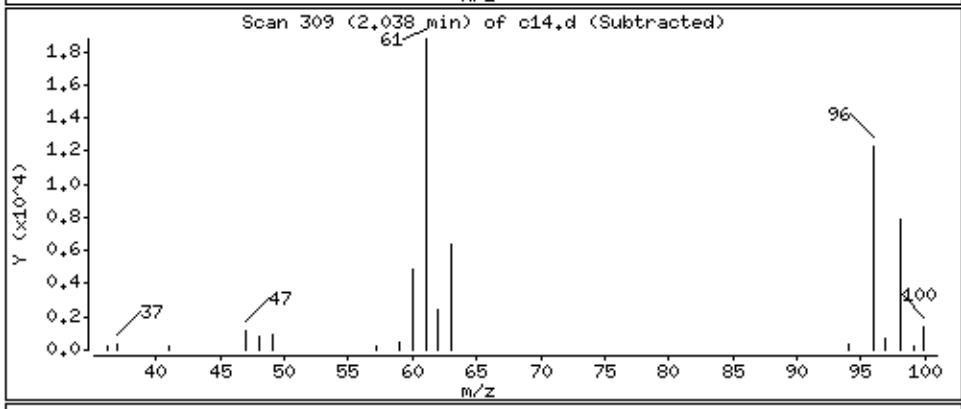
Column diameter: 0.18

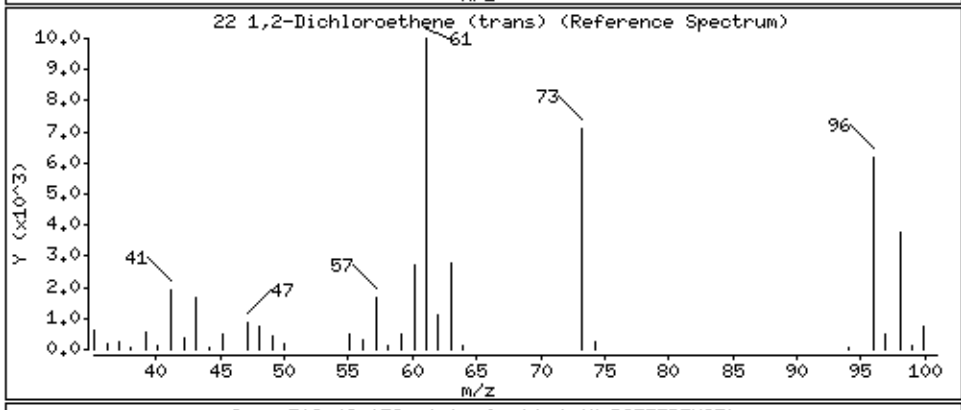
22 1,2-Dichloroethene (trans)

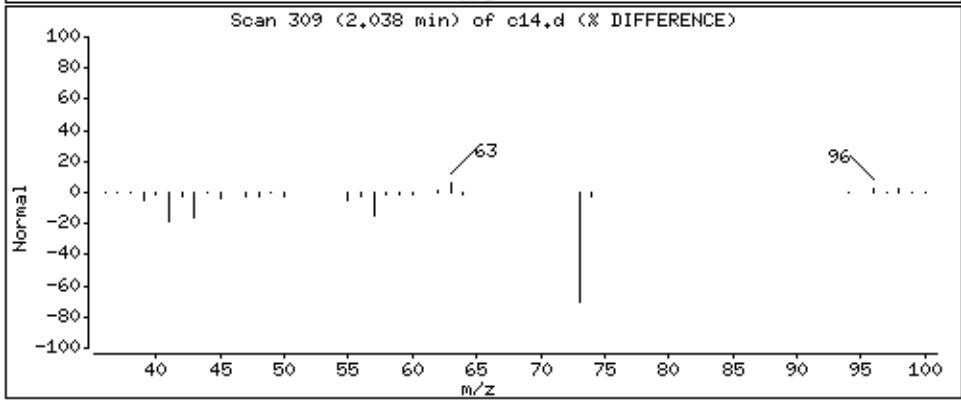
Concentration: 38.6 ppb

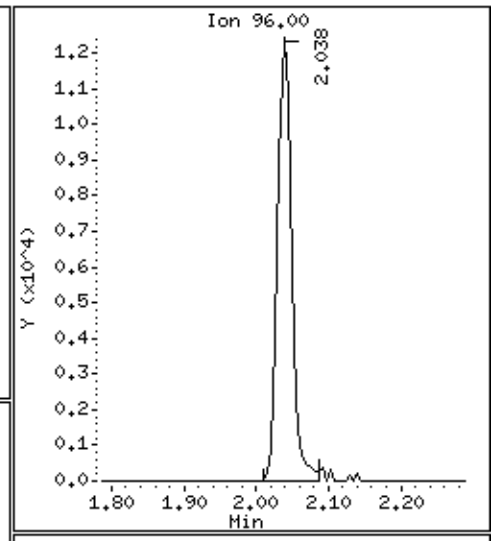
Review Code:

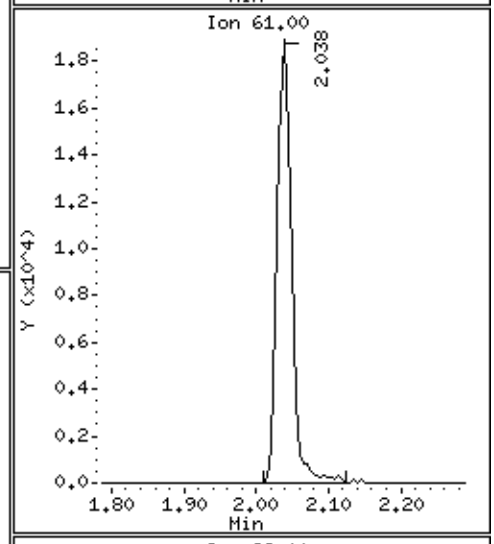


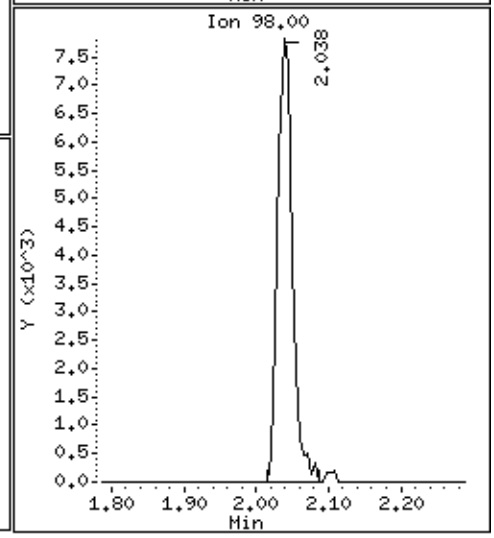












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c14.d

Date : 11-OCT-2016 04:43

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034x5

Purge Volume: 5.0

Operator: jlz

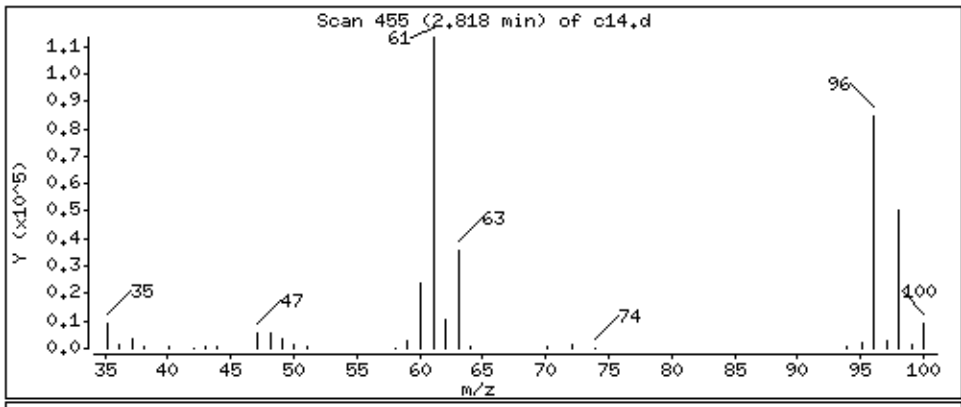
Column phase: DB-624

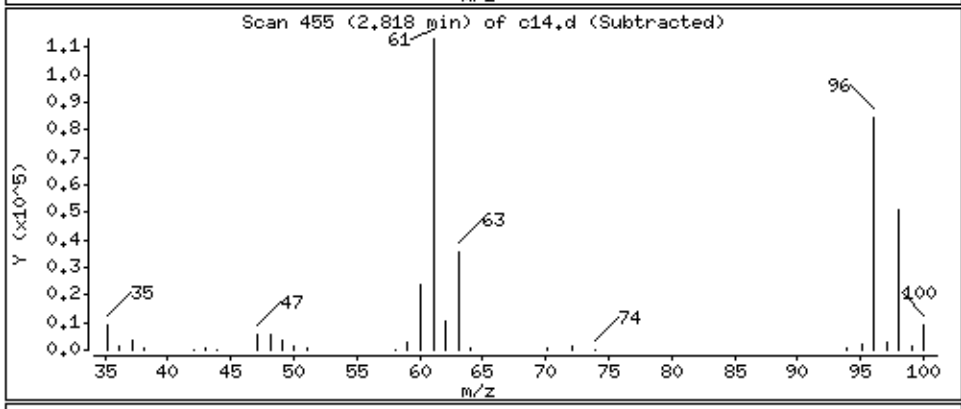
Column diameter: 0.18

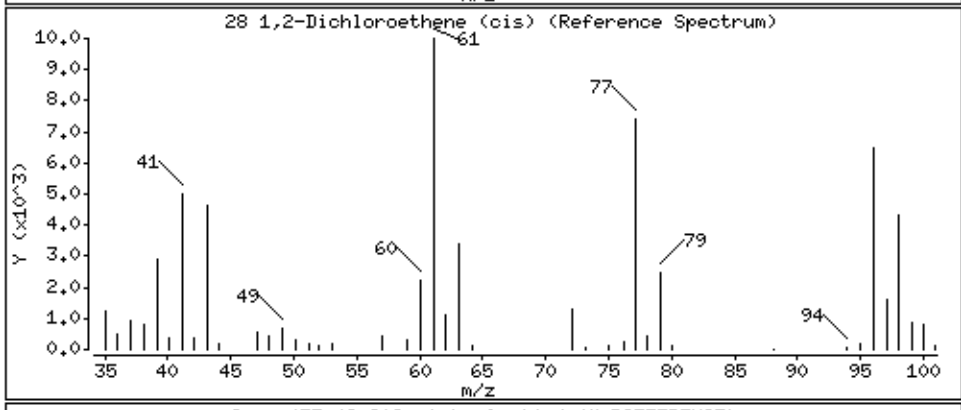
28 1,2-Dichloroethene (cis)

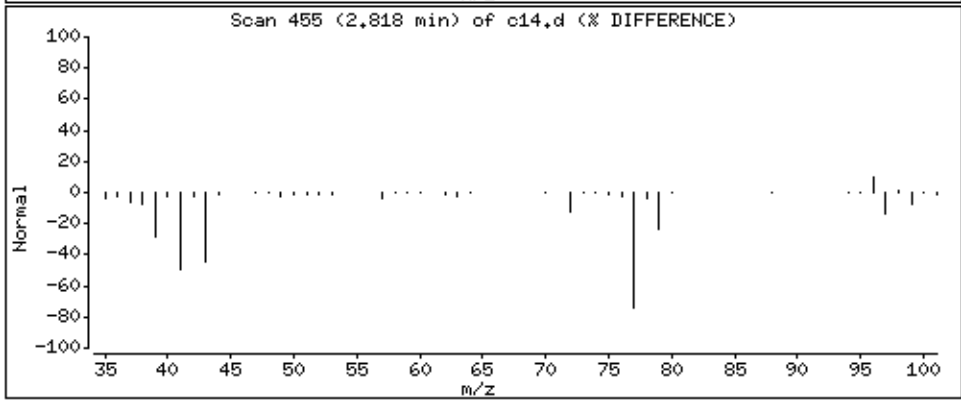
Concentration: 344 ppb

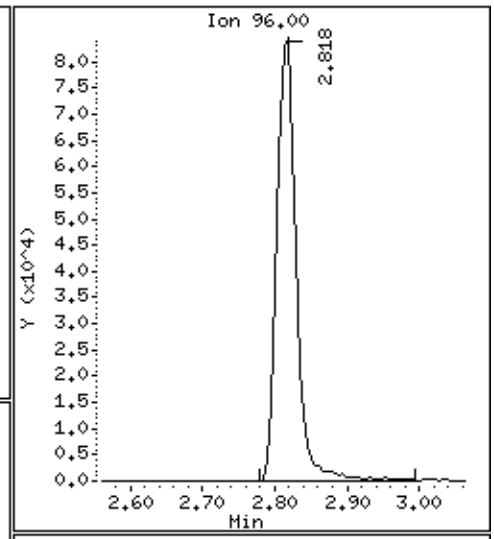
Review Code:

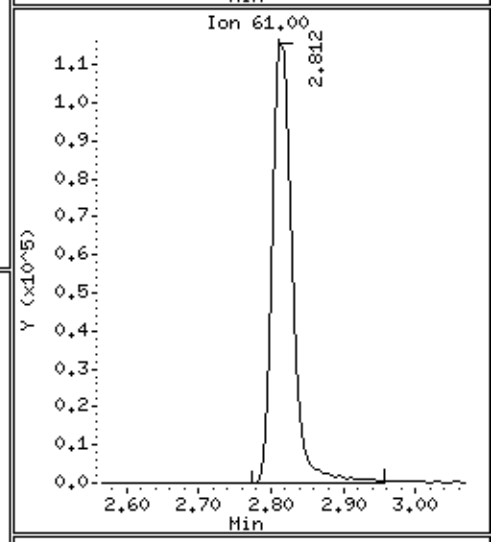


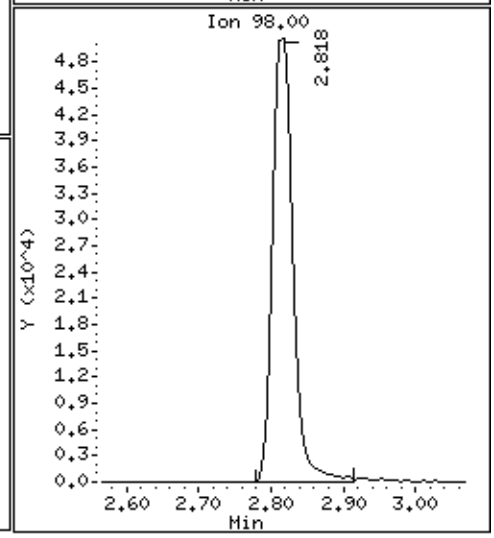












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c14.d

Date : 11-OCT-2016 04:43

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034x5

Purge Volume: 5.0

Operator: jlz

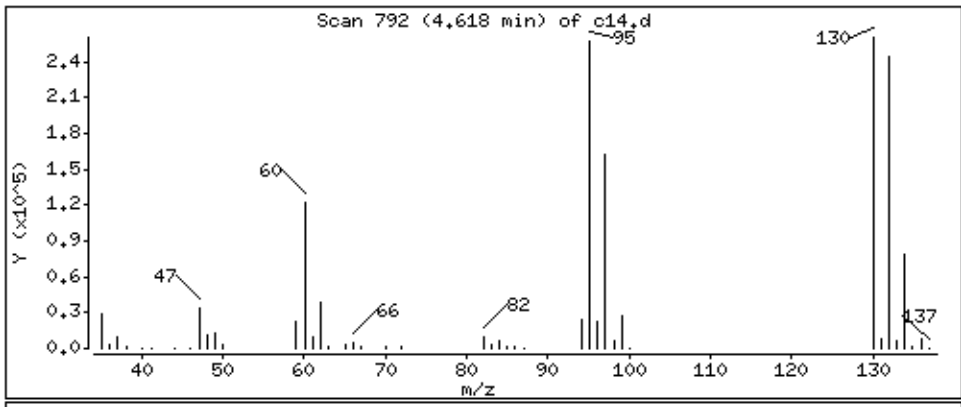
Column phase: DB-624

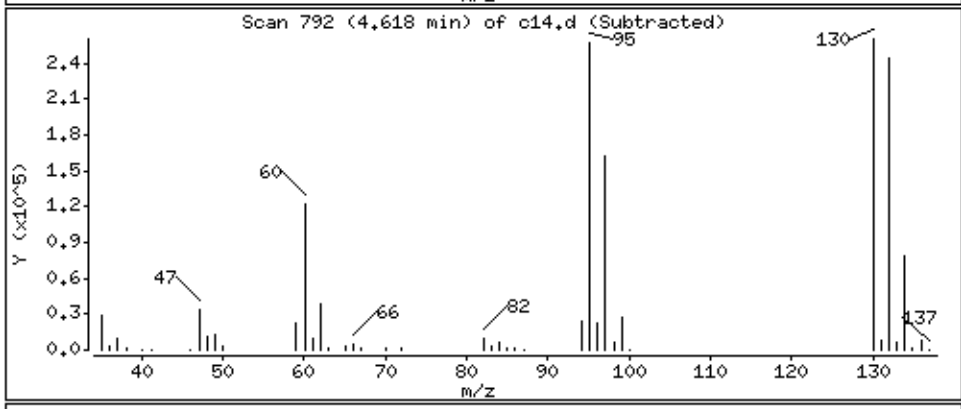
Column diameter: 0.18

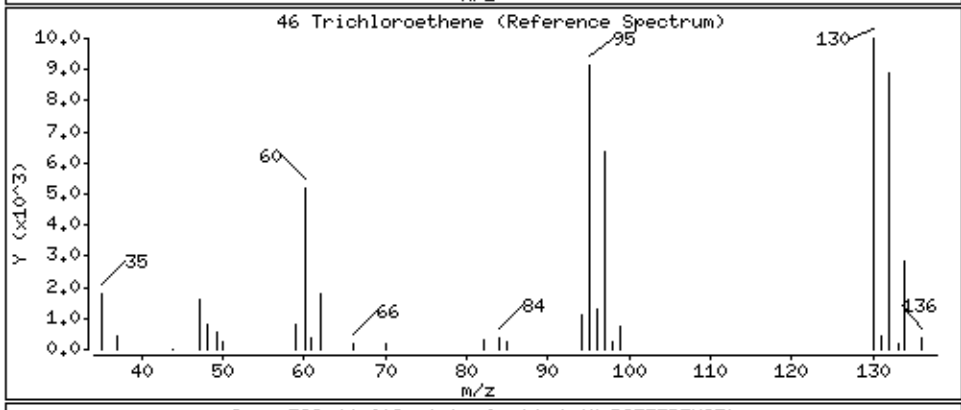
46 Trichloroethene

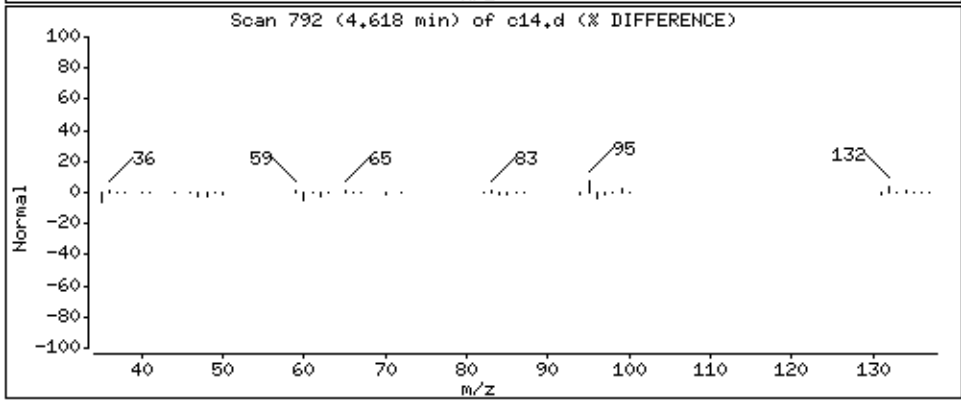
Concentration: 1180 ppb

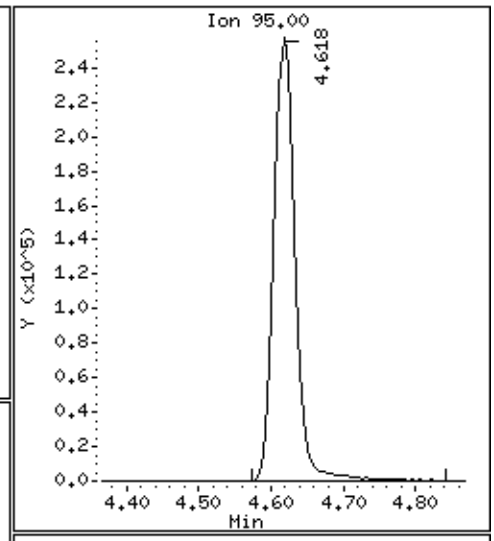
Review Code:

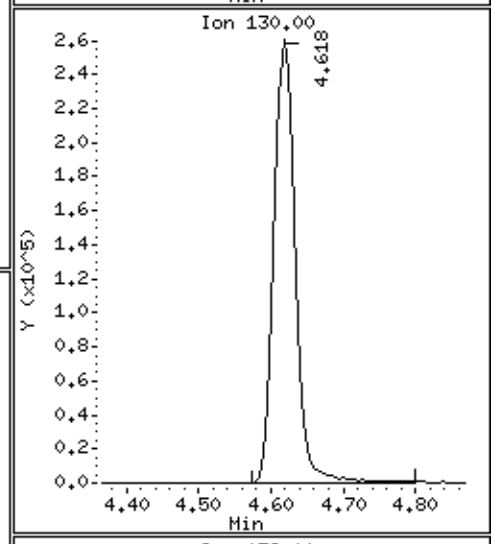


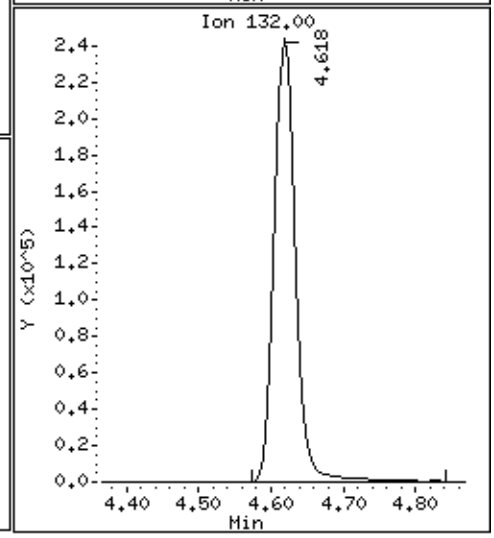












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c14.d

Date : 11-OCT-2016 04:43

Client ID: MW-0604-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 50155366034x5

Purge Volume: 5.0

Operator: jlz

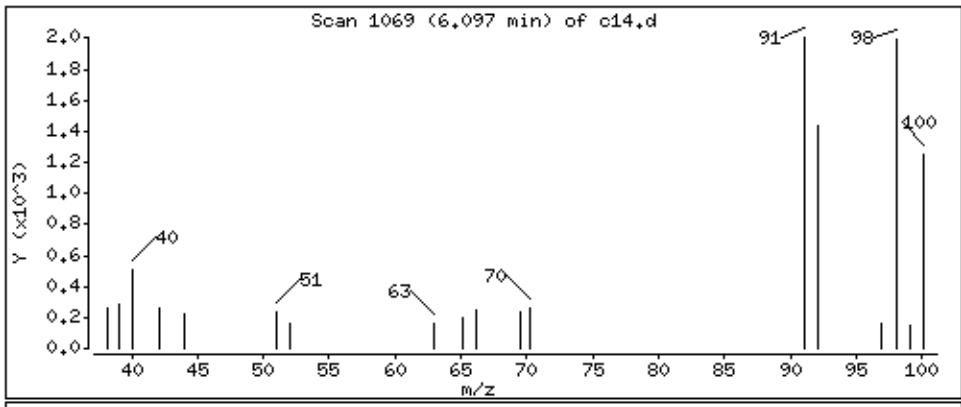
Column phase: DB-624

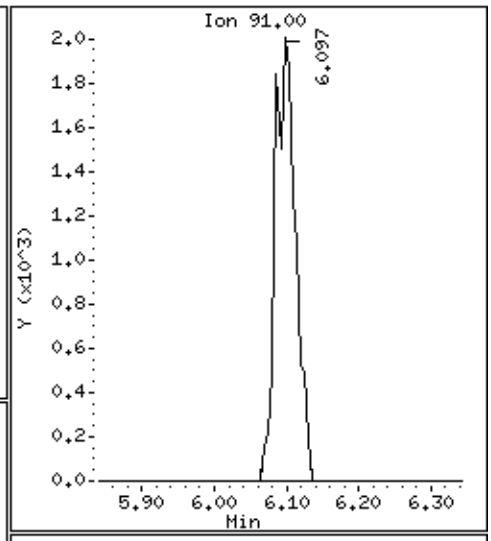
Column diameter: 0.18

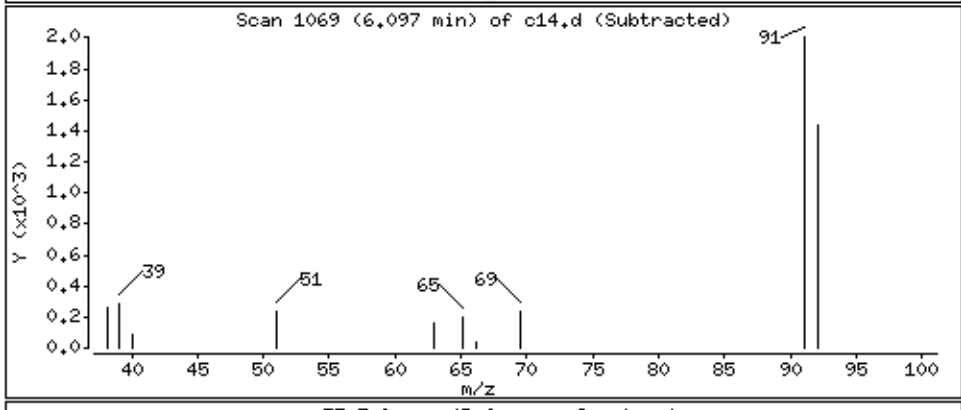
57 Toluene

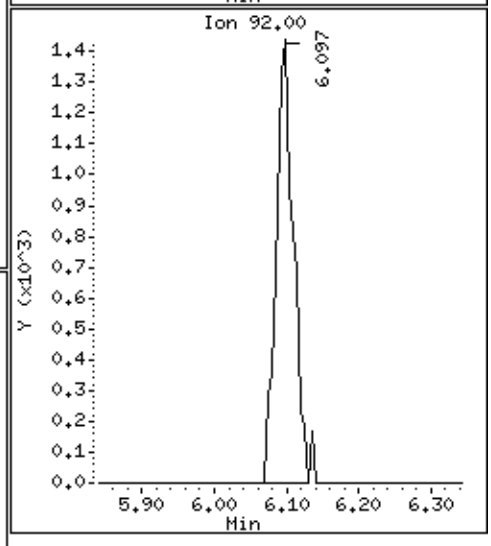
Concentration: 1.95 ppb

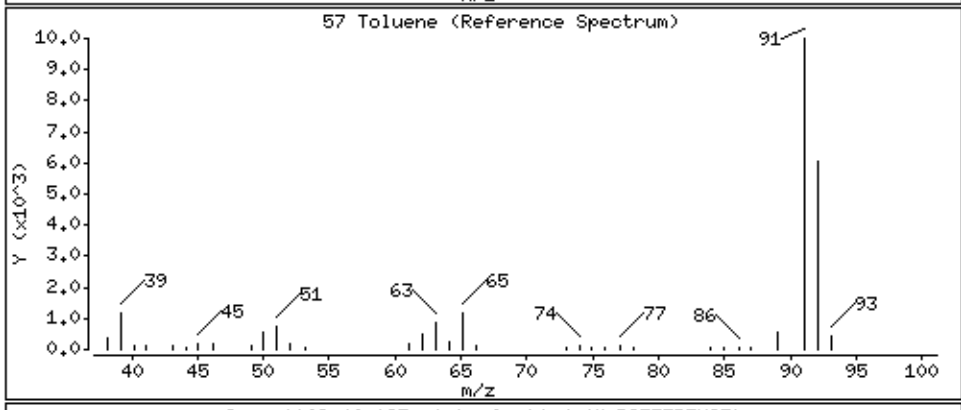
Review Code:

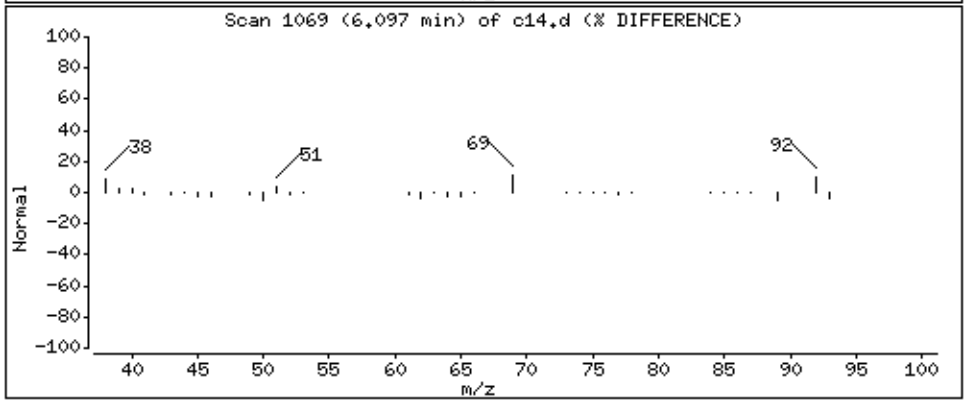












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c14.d
Injection Date: 11-OCT-2016 04:43
Instrument: 50mv3a.i
Lab Sample ID: 50155366034
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0101-S1U(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 08:13 Lab Sample ID: 50155366035

Date Analyzed: 10/07/2016 08:13 Lab File ID: A100616.B\C15.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	2330	
156-60-5	trans-1,2-Dichloroethene	69.5	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	110	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0101-S1U(092716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 08:13 Lab Sample ID: 50155366035

Date Analyzed: 10/07/2016 08:13 Lab File ID: A100616.B\C15.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	33.2	
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d
Lab Smp Id: 50155366035 Client Smp ID: MW-0101-S1U(092716)
Inj Date : 07-OCT-2016 08:13
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366035x10
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 77
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.033	1.036	(0.248)	9794	3.31924	33.2	
	11 1,1-Dichloroethene	96	1.594	1.592	(0.382)	3100	1.55926	15.6	
	18 Methylene Chloride	84	1.866	1.864	(0.448)	27160	11.0060	110	
	22 1,2-Dichloroethene (trans)	96	2.037	2.035	(0.489)	15565	6.95153	69.5	
	28 1,2-Dichloroethene (cis)	96	2.817	2.815	(0.676)	558882	232.978	2330(Q)	
$	35 Dibromofluoromethane (S)	113	3.330	3.328	(0.799)	96411	47.5516	47.6	
*	45 Fluorobenzene (IS)	96	4.168	4.166	(1.000)	448380	50.0000		
	46 Trichloroethene	95	4.622	4.620	(1.109)	3806678	1630.00	16300	
$	56 Toluene-d8 (S)	98	6.016	6.020	(0.819)	430316	45.9784	46.0	
	57 Toluene	91	6.091	6.089	(0.829)	4562	0.41057	4.10	
*	66 Chlorobenzene-D5 (IS)	117	7.346	7.344	(1.000)	301837	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.111)	140337	52.1466	52.1	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.840	(1.000)	134504	50.0000		

QC Flag Legend

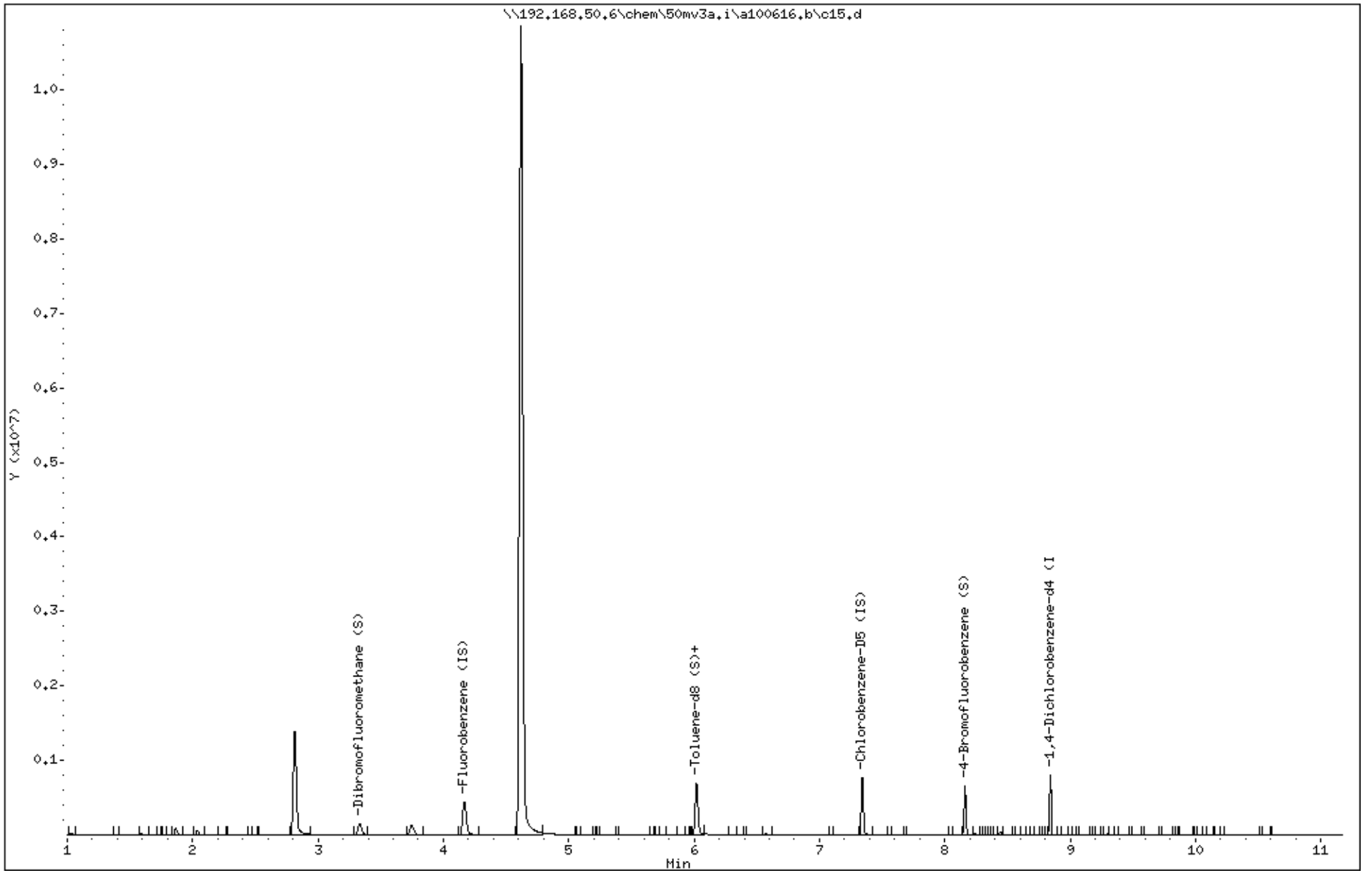
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d
Date : 07-OCT-2016 08:13
Client ID: MW-0101-S1U(092716)
Sample Info: 50155366035x10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d

Date : 07-OCT-2016 08:13

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x10

Purge Volume: 5.0

Operator: jlz

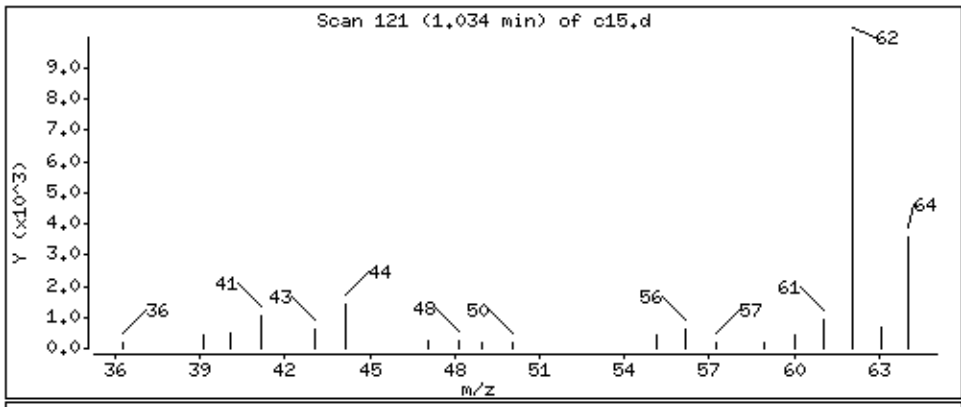
Column phase: DB-624

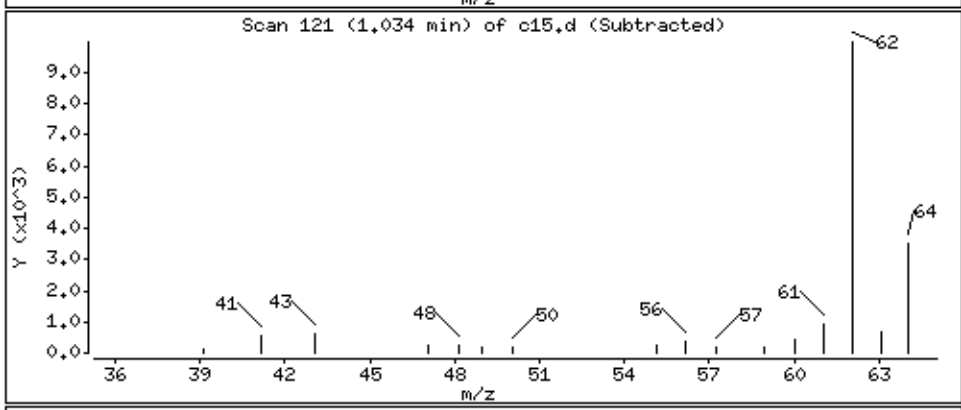
Column diameter: 0.18

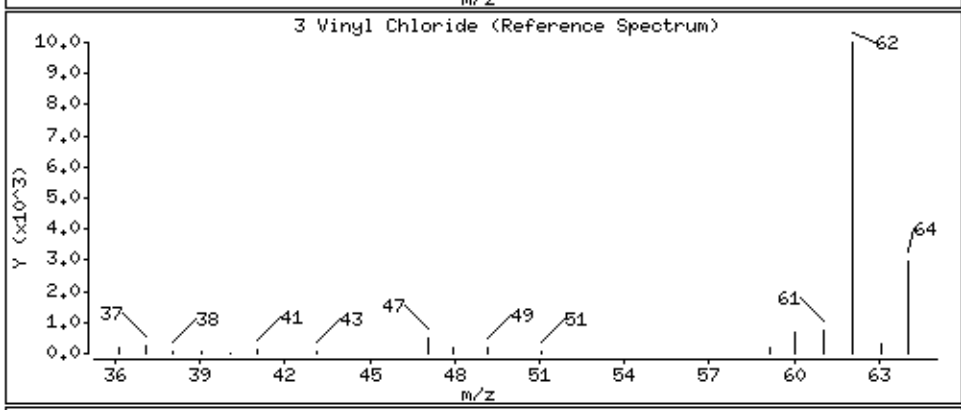
3 Vinyl Chloride

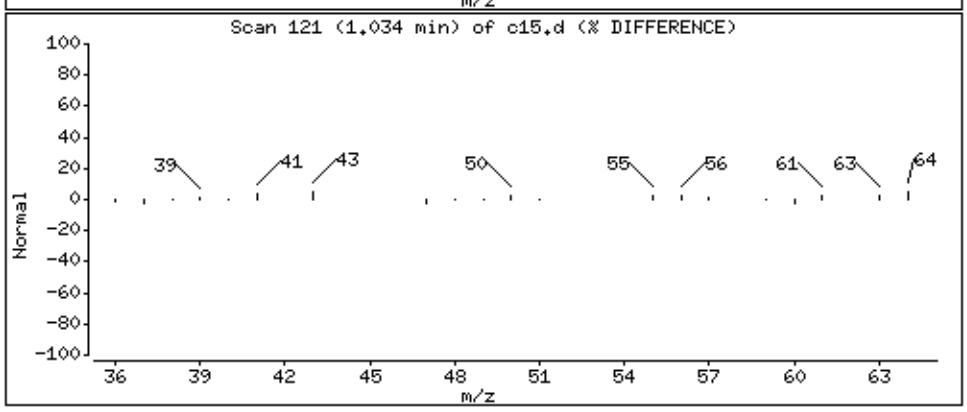
Concentration: 33.2 ppb

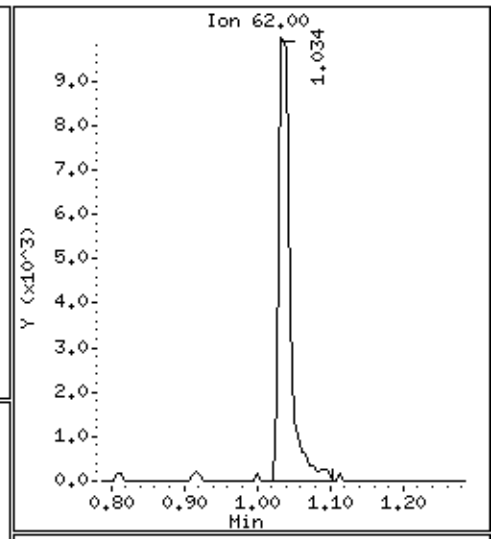
Review Code:

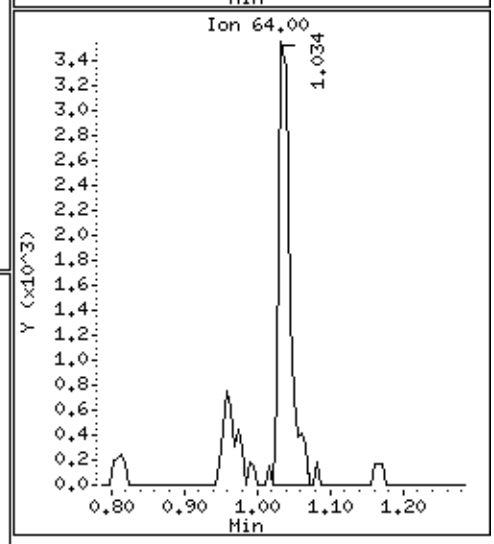












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d

Date : 07-OCT-2016 08:13

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x10

Purge Volume: 5.0

Operator: jlz

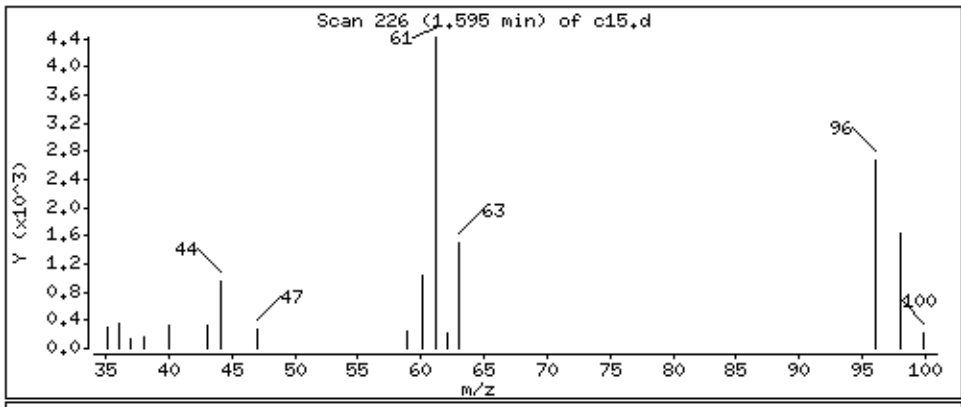
Column phase: DB-624

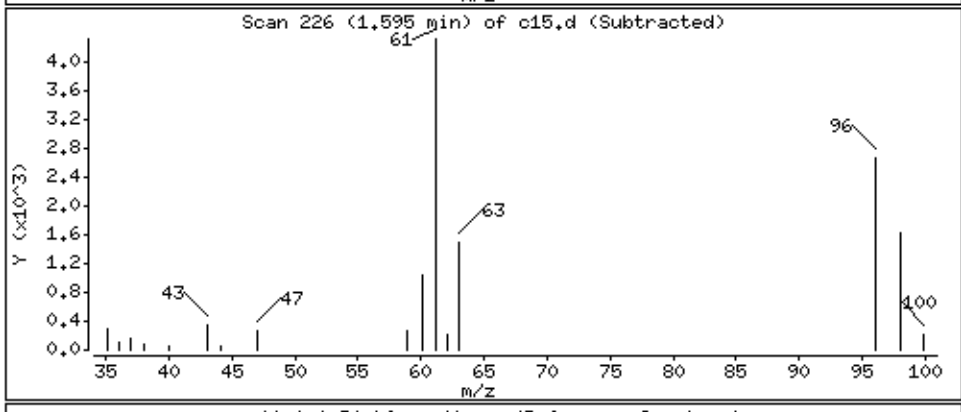
Column diameter: 0.18

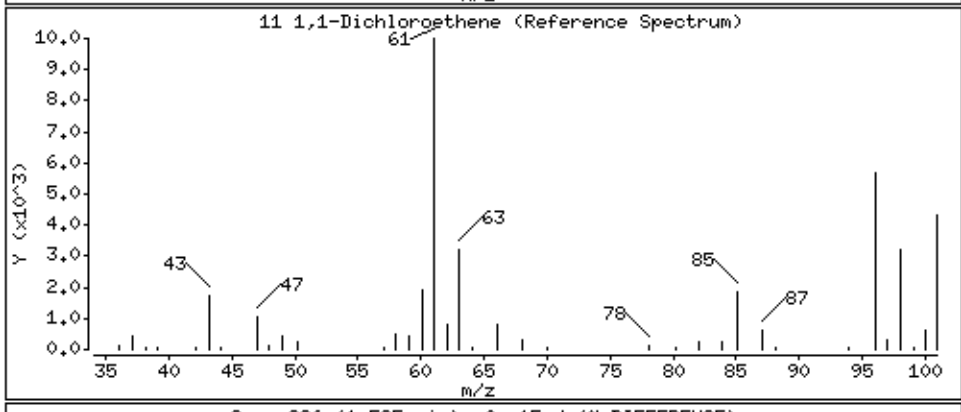
11 1,1-Dichloroethene

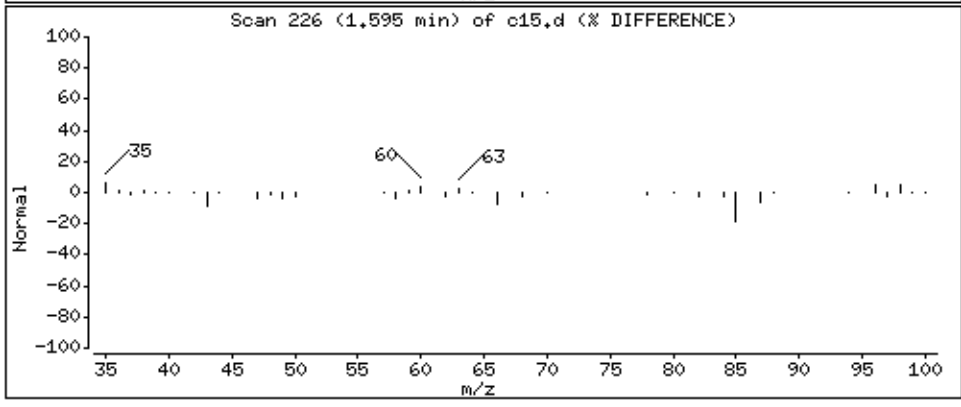
Concentration: 15.6 ppb

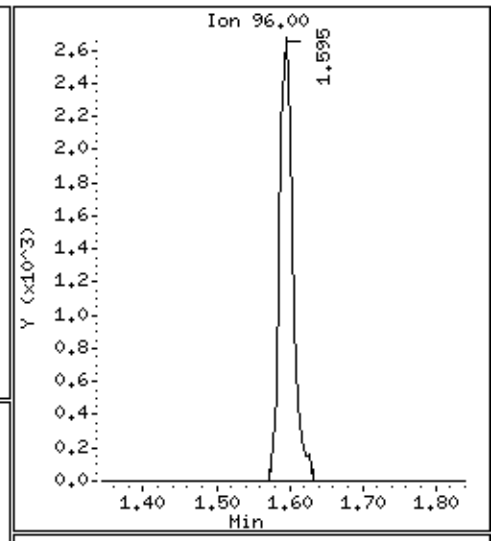
Review Code:

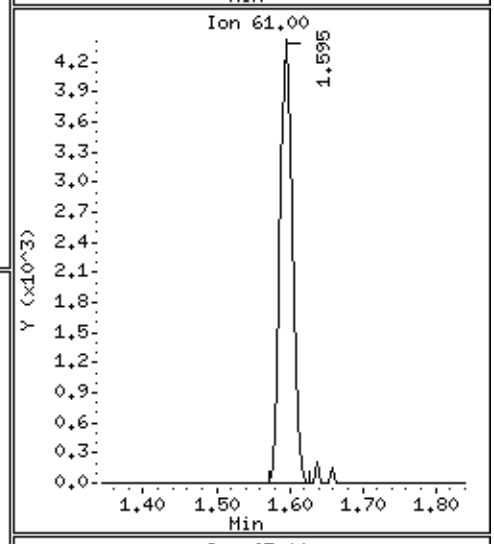


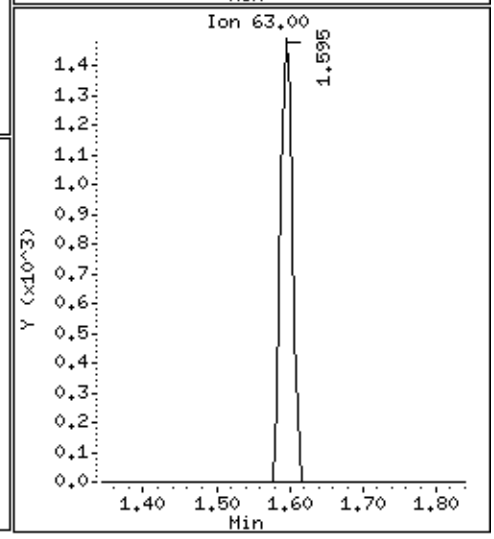












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d

Date : 07-OCT-2016 08:13

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x10

Purge Volume: 5.0

Operator: jlz

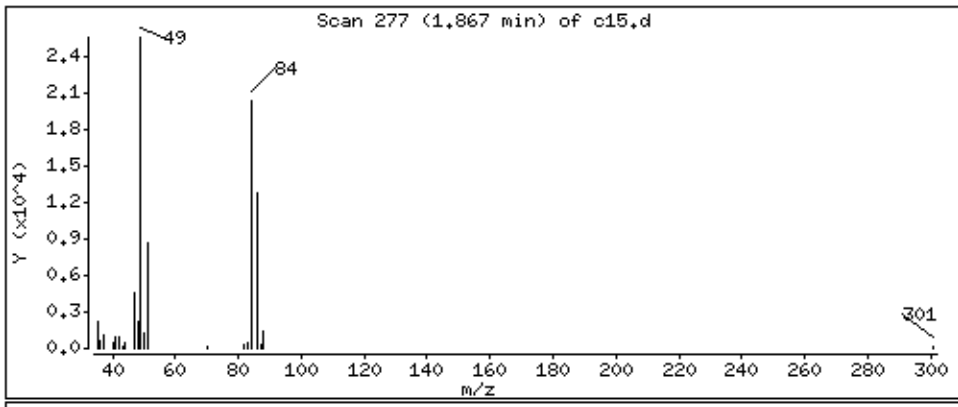
Column phase: DB-624

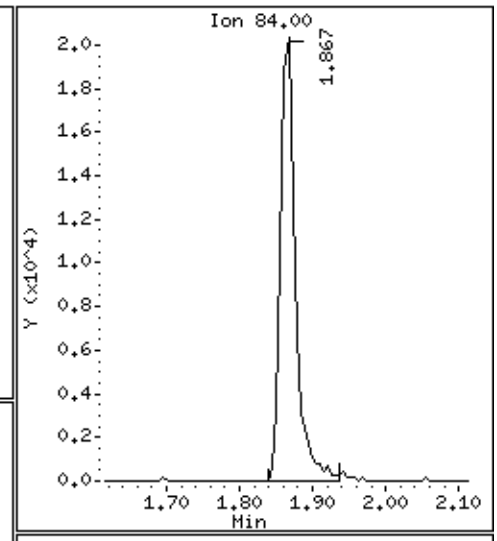
Column diameter: 0.18

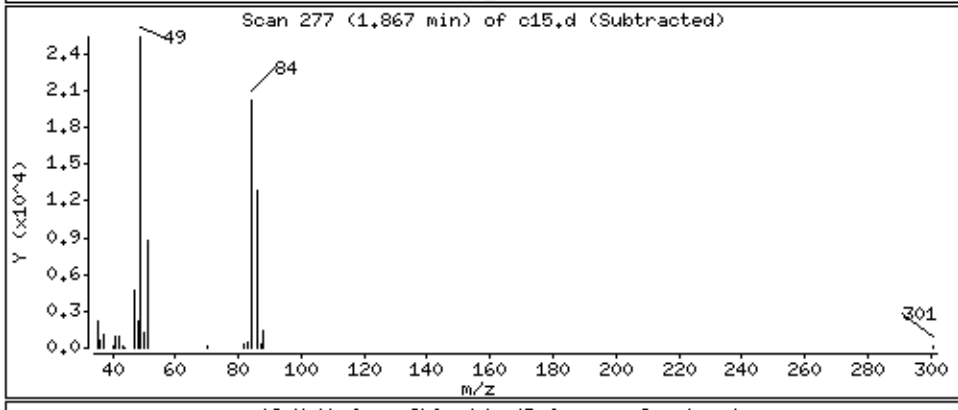
18 Methylene Chloride

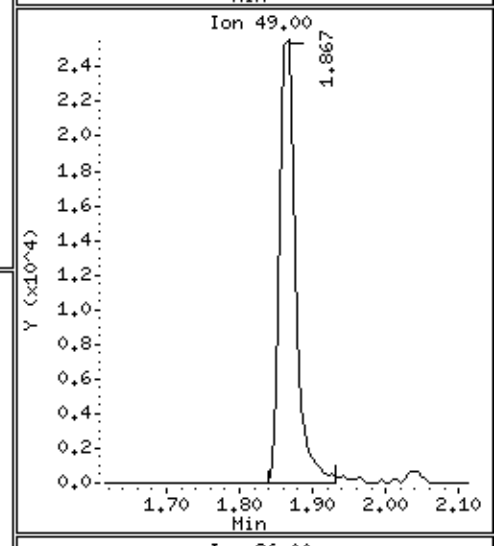
Concentration: 110 ppb

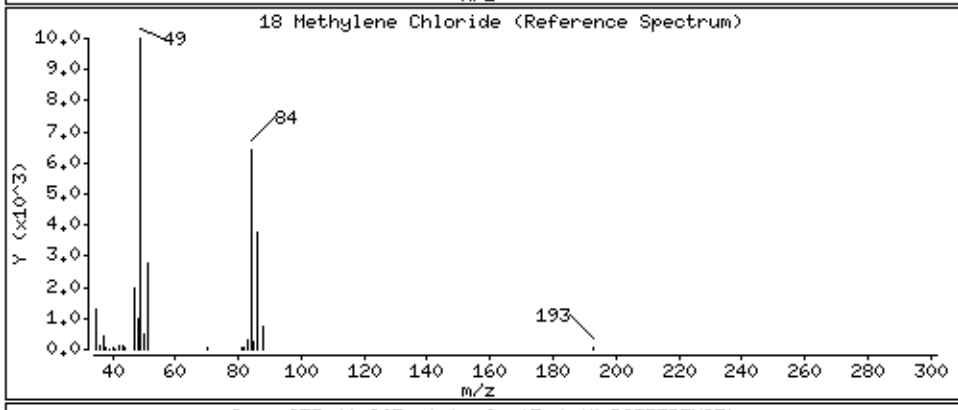
Review Code:

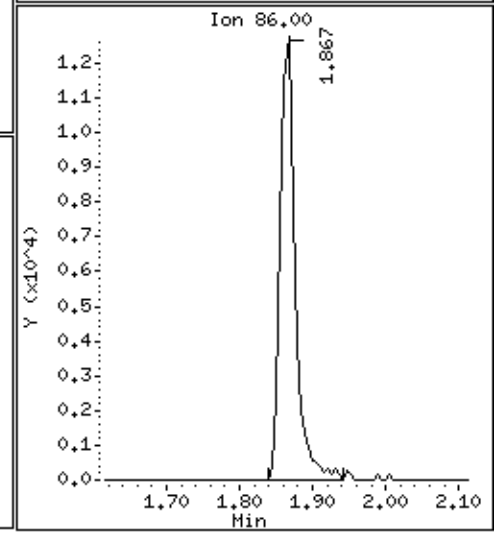


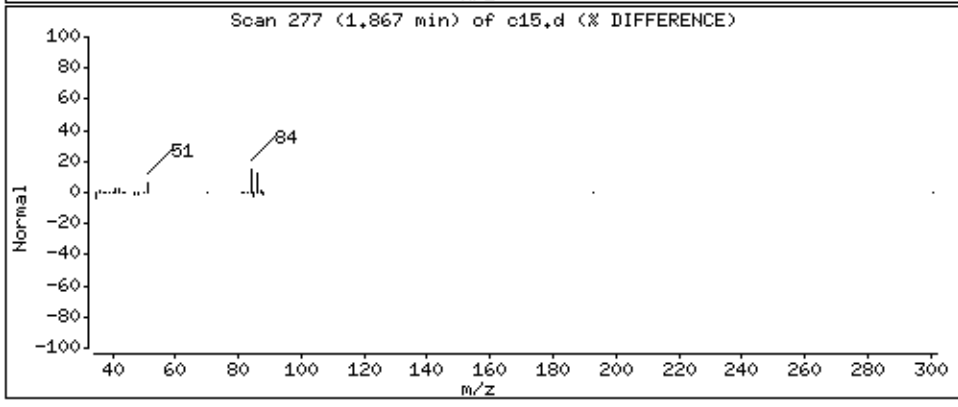












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d

Date : 07-OCT-2016 08:13

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x10

Purge Volume: 5.0

Operator: jlz

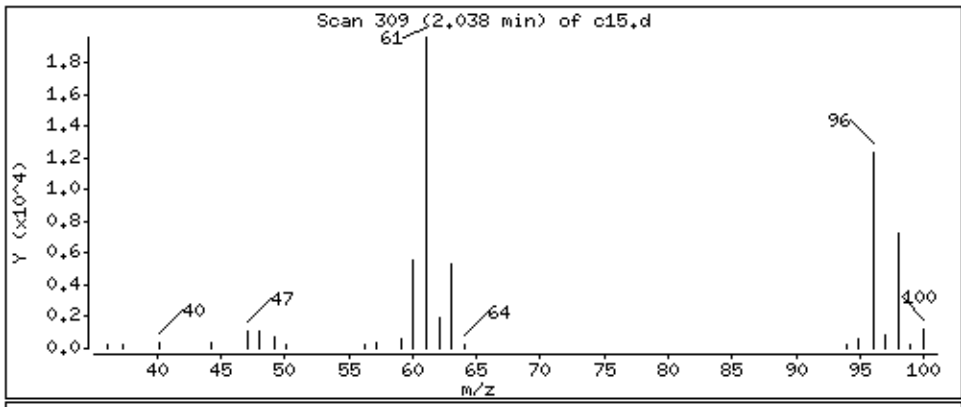
Column phase: DB-624

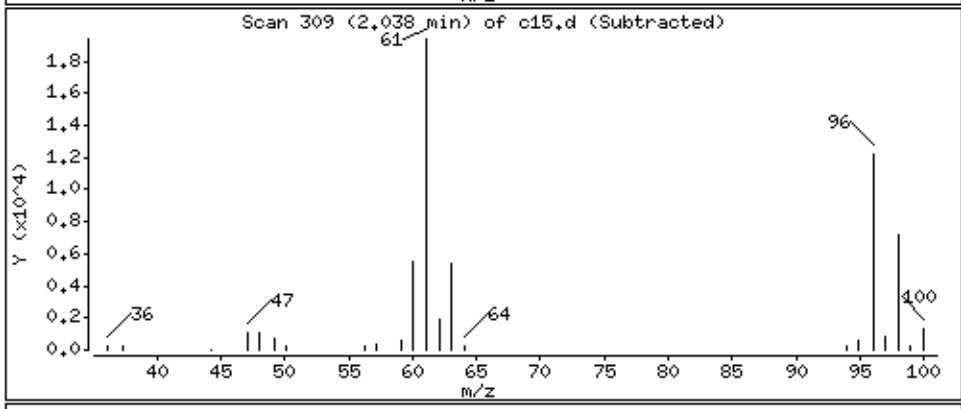
Column diameter: 0.18

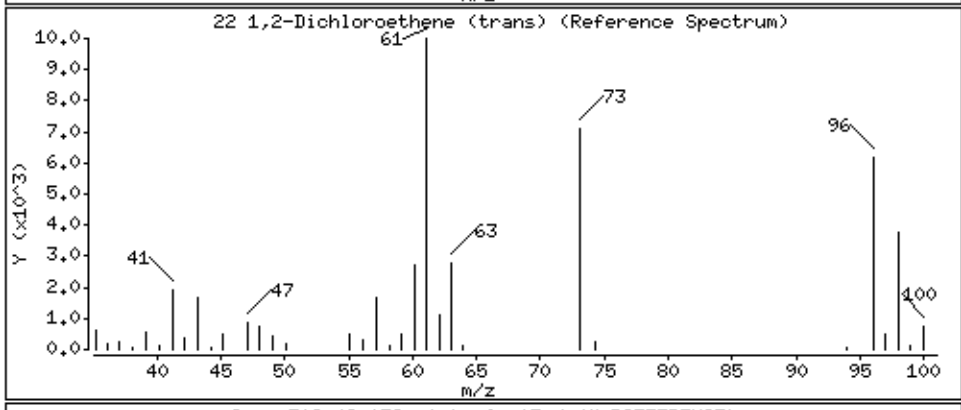
22 1,2-Dichloroethene (trans)

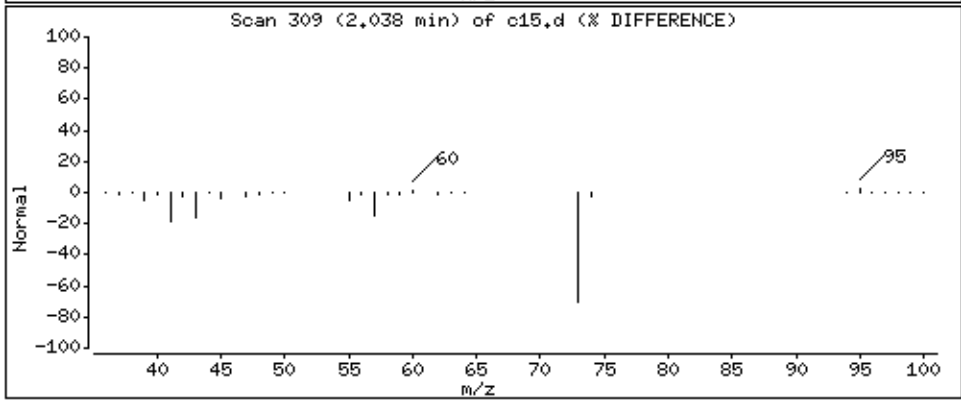
Concentration: 69.5 ppb

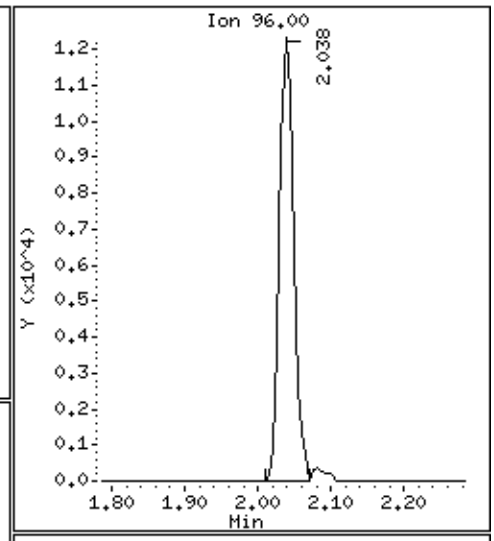
Review Code:

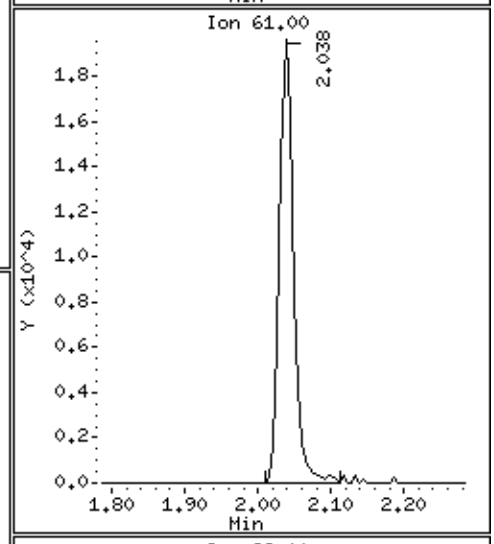


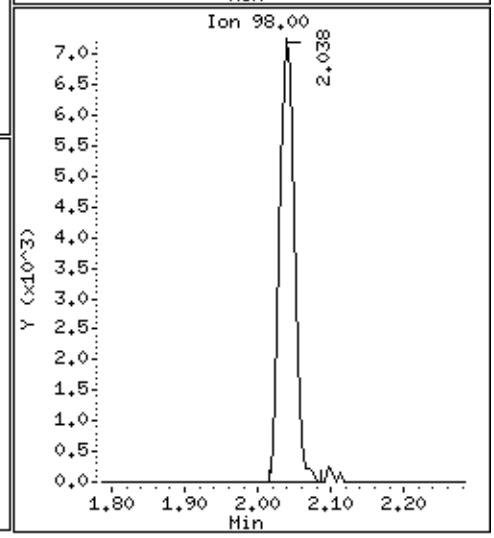












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d

Date : 07-OCT-2016 08:13

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x10

Purge Volume: 5.0

Operator: jlz

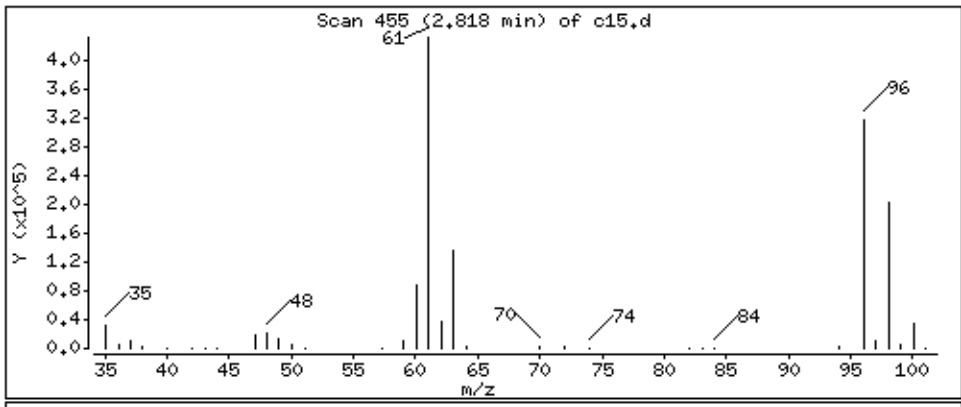
Column phase: DB-624

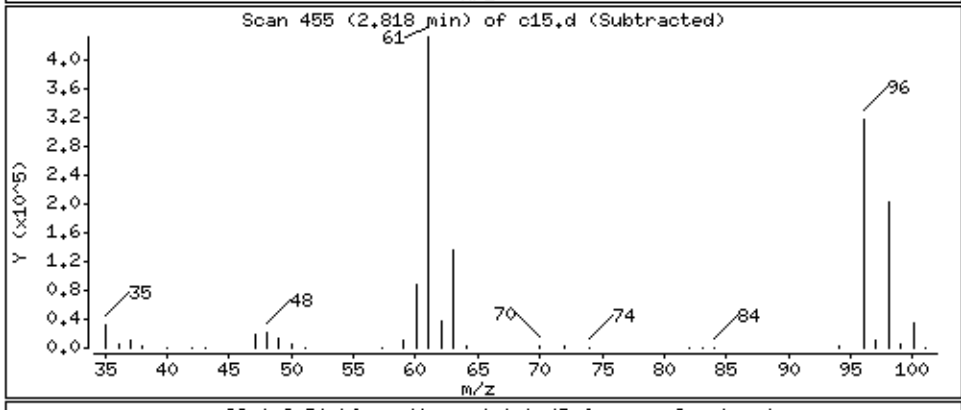
Column diameter: 0.18

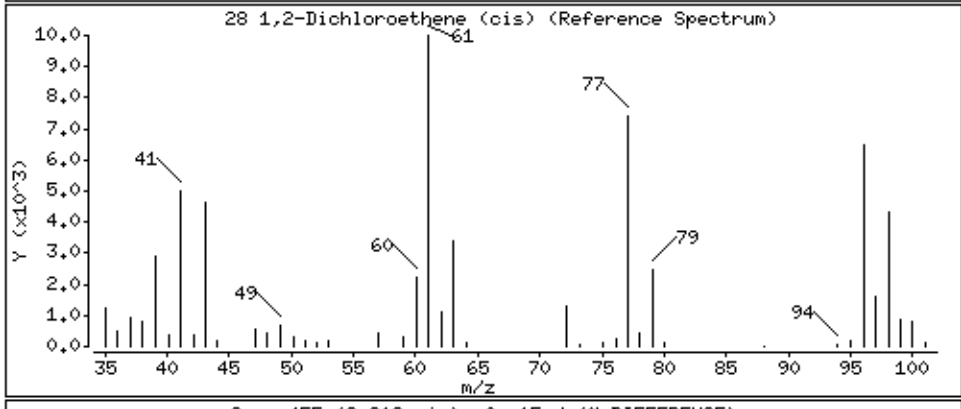
28 1,2-Dichloroethene (cis)

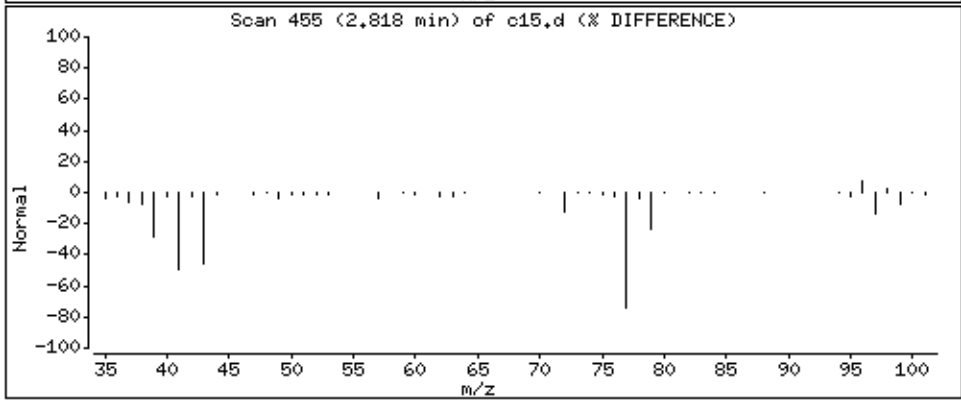
Concentration: 2330 ppb

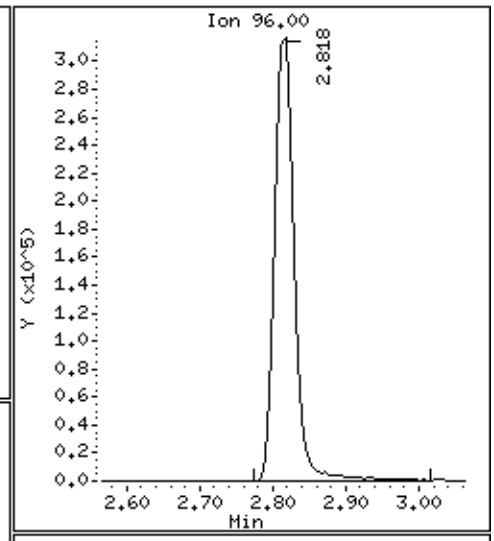
Review Code:

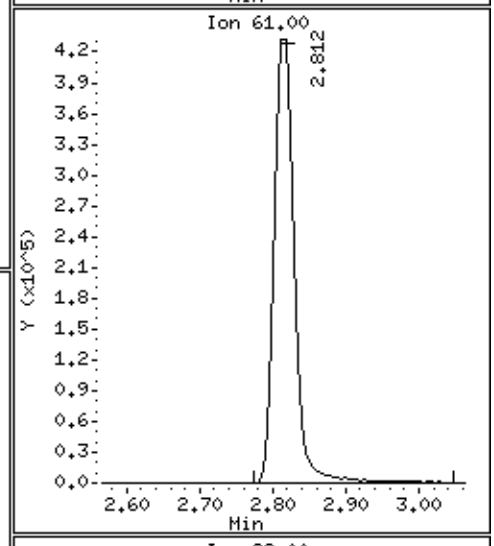


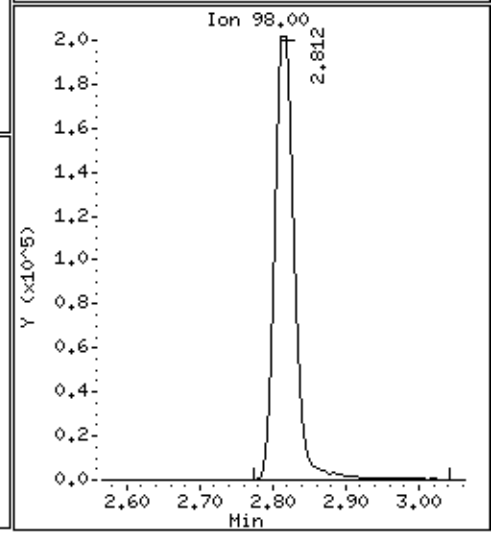












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d

Date : 07-OCT-2016 08:13

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x10

Purge Volume: 5.0

Operator: jlz

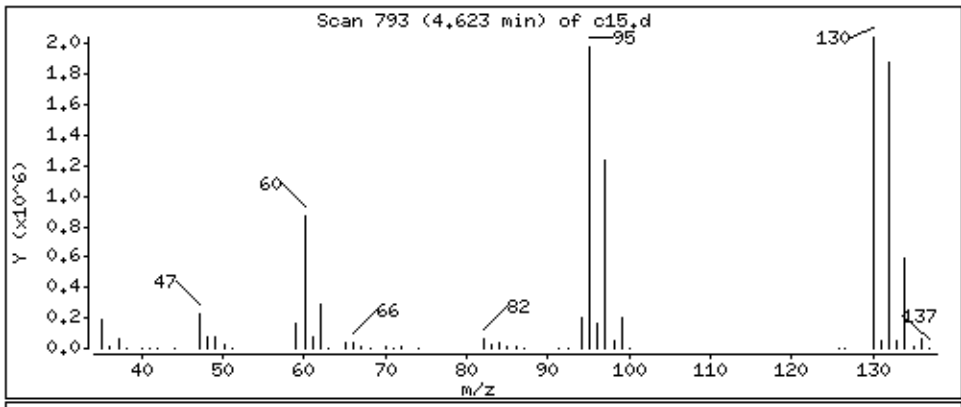
Column phase: DB-624

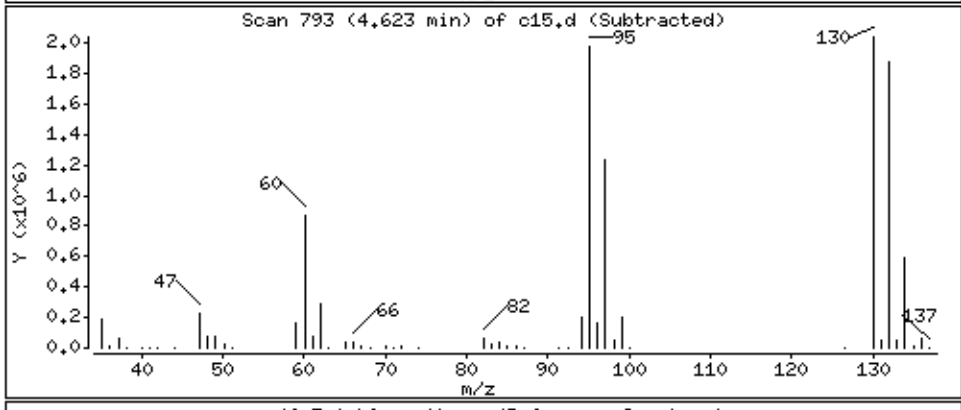
Column diameter: 0.18

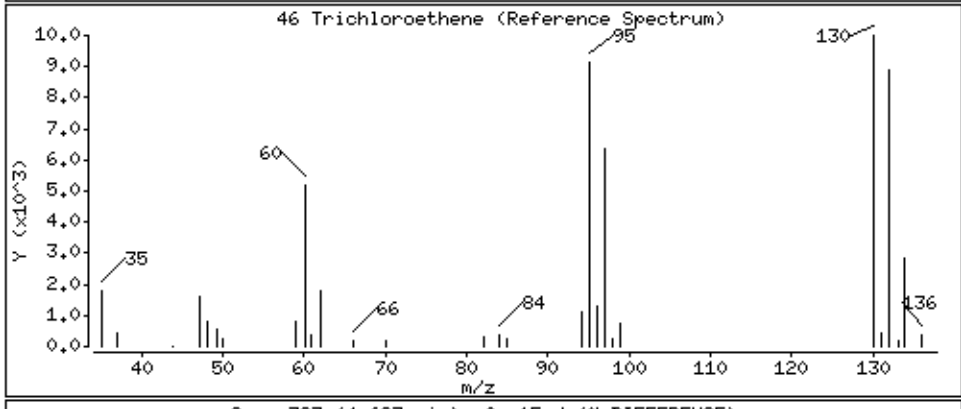
46 Trichloroethene

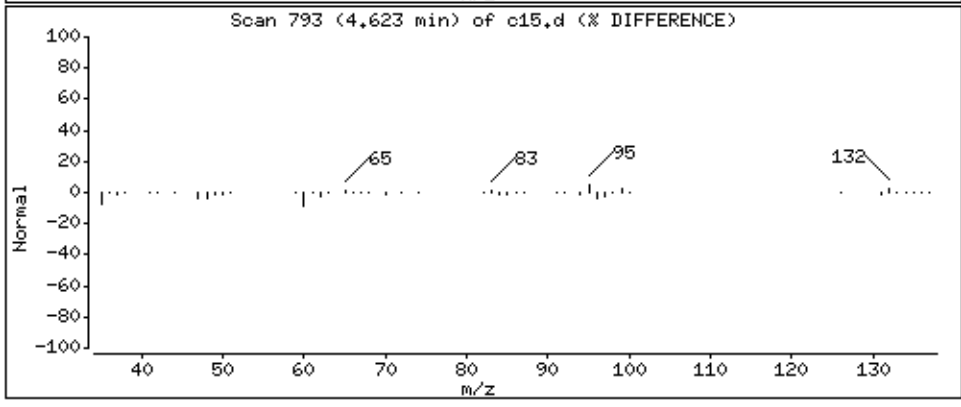
Concentration: 16300 ppb

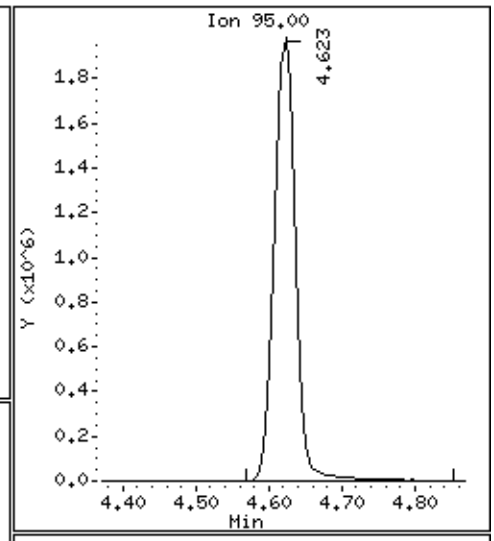
Review Code:

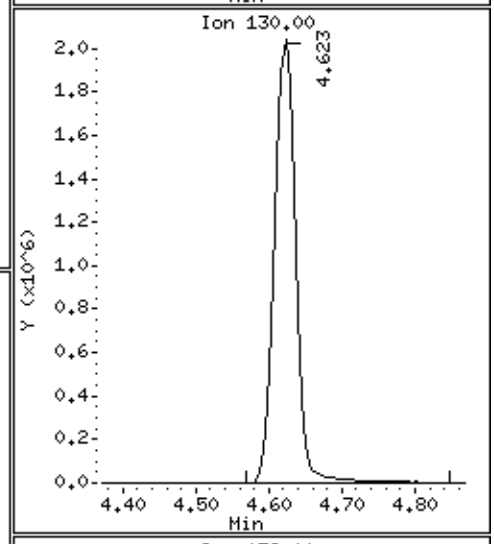


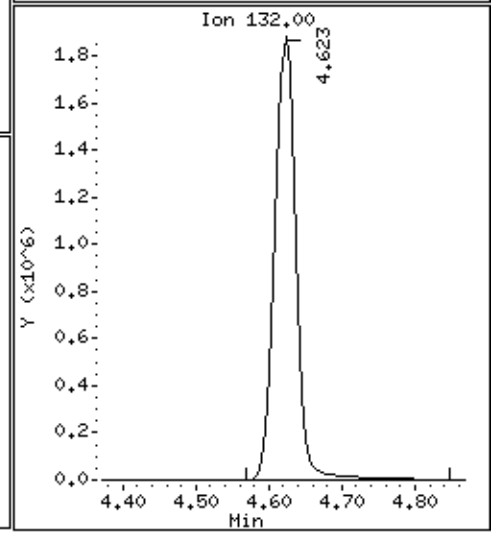












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c15.d

Date : 07-OCT-2016 08:13

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x10

Purge Volume: 5.0

Operator: jlz

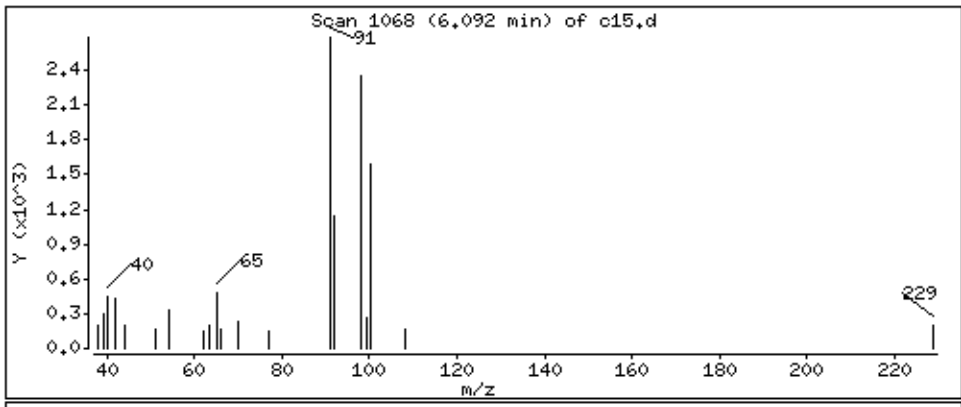
Column phase: DB-624

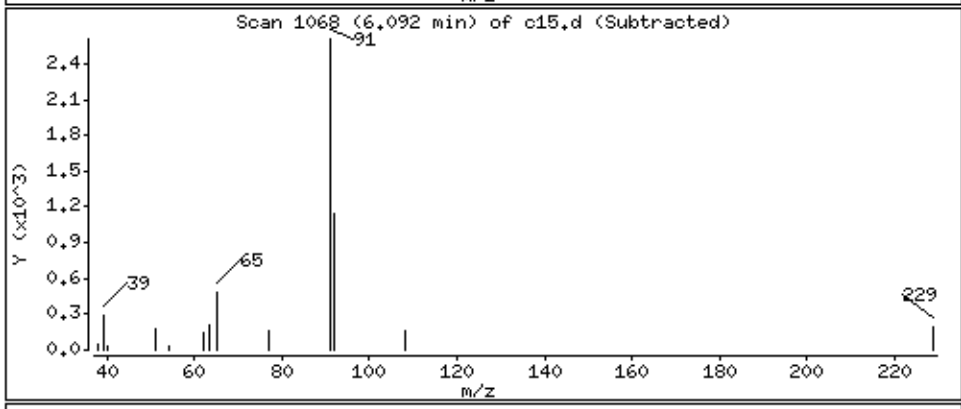
Column diameter: 0.18

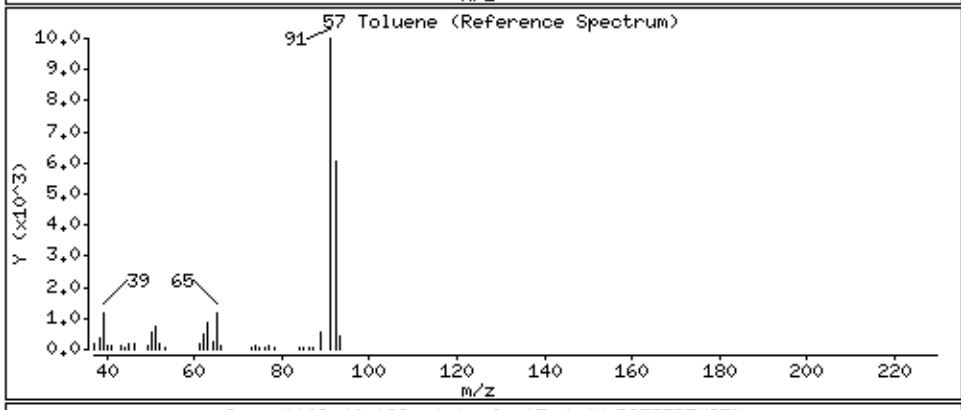
57 Toluene

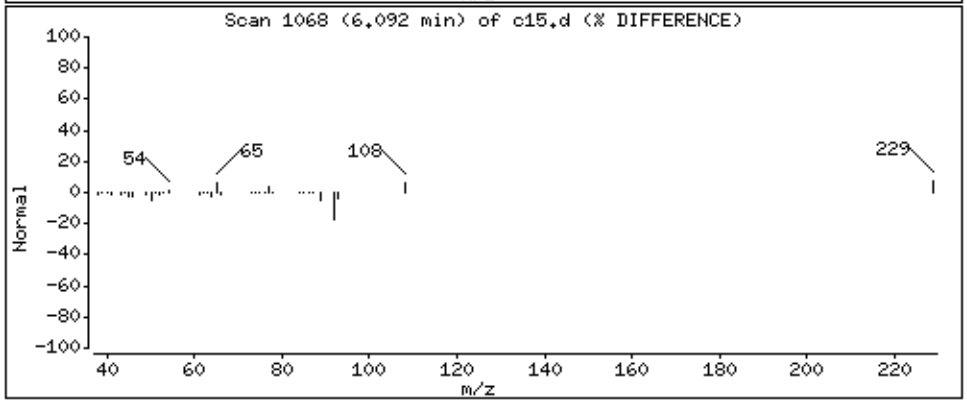
Concentration: 4.10 ppb

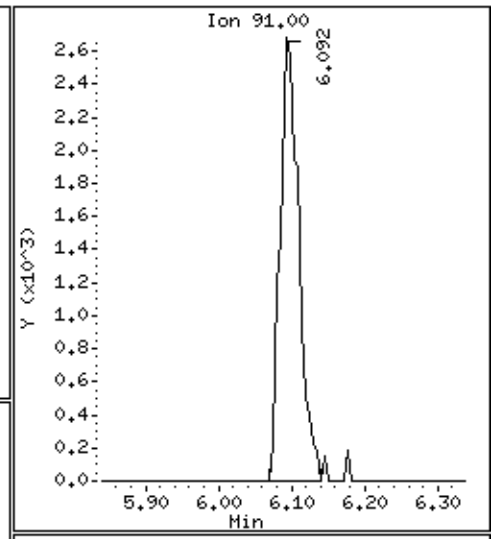
Review Code:

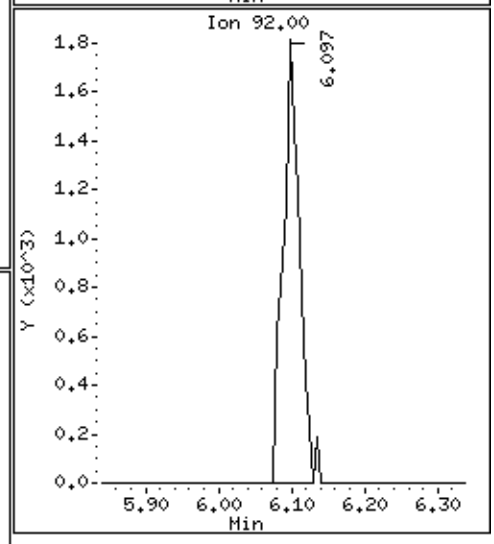












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c15.d
Injection Date: 07-OCT-2016 08:13
Instrument: 50mv3a.i
Lab Sample ID: 50155366035
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0101-S1U(092716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 05:15 Lab Sample ID: 50155366035

Date Analyzed: 10/11/2016 05:15 Lab File ID: A101016.B\C15.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 100 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-01-6	Trichloroethene	18500	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c15.d
Lab Smp Id: 50155366035 Client Smp ID: MW-0101-S1U(092716)
Inj Date : 11-OCT-2016 05:15
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366035x100
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 77
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
18 Methylene Chloride	84	1.867	1.862	(0.448)	21463	9.25590	926	
28 1,2-Dichloroethene (cis)	96	2.818	2.813	(0.677)	53310	24.6958	2470(Q)	
$ 35 Dibromofluoromethane (S)	113	3.330	3.331	(0.800)	89031	48.7977	48.8	
* 45 Fluorobenzene (IS)	96	4.164	4.164	(1.000)	403485	50.0000		
46 Trichloroethene	95	4.617	4.618	(1.109)	388216	184.728	18500	
$ 56 Toluene-d8 (S)	98	6.017	6.018	(0.820)	382777	46.2571	46.2	
57 Toluene	91	6.097	6.093	(0.830)	5578	0.56778	56.8	
* 66 Chlorobenzene-D5 (IS)	117	7.341	7.342	(1.000)	266874	50.0000		
$ 75 4-Bromofluorobenzene (S)	95	8.164	8.165	(1.112)	118153	49.6552	49.6	
* 89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.838	(1.000)	111735	50.0000		

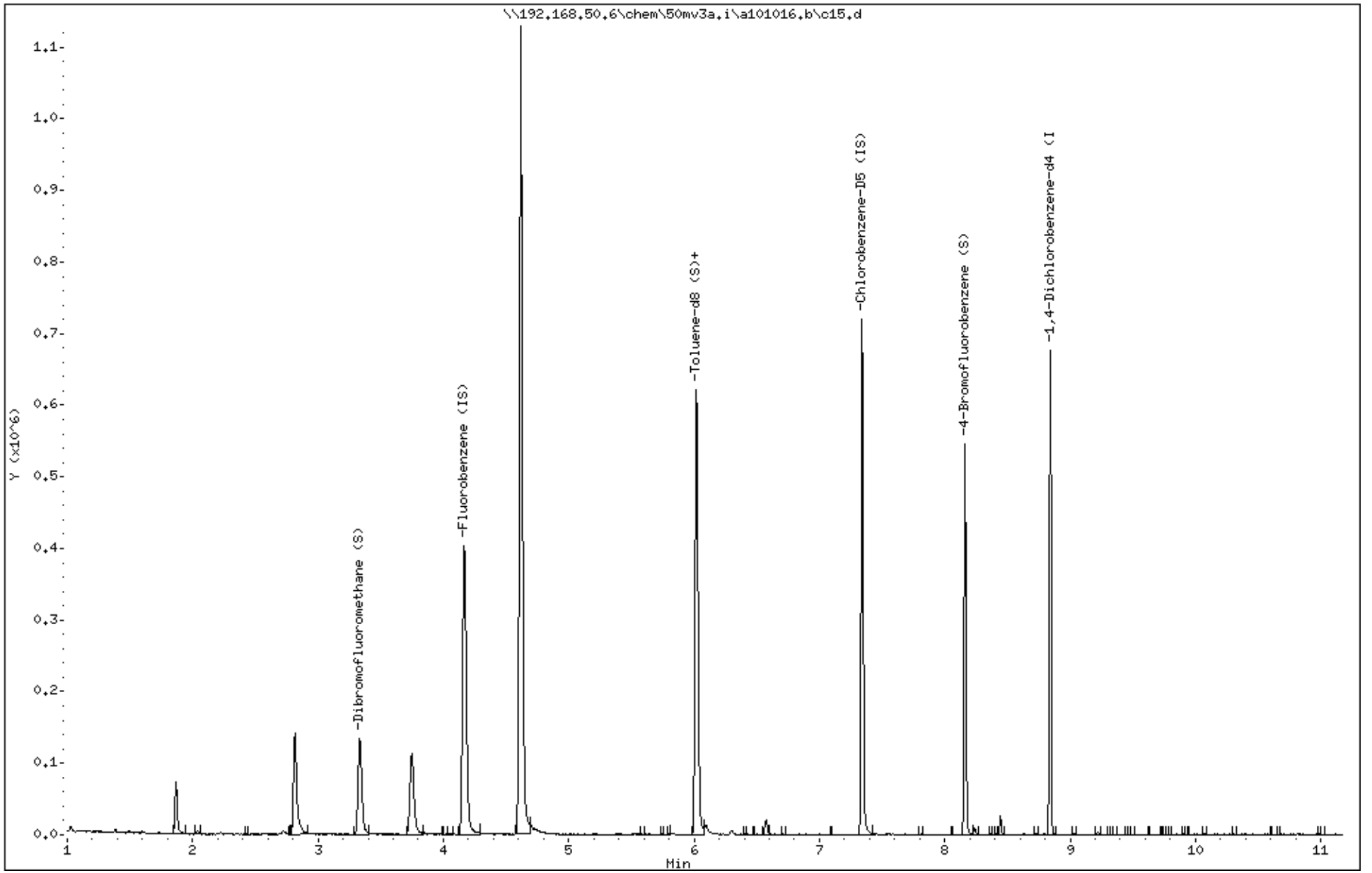
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c15.d
Date : 11-OCT-2016 05:15
Client ID: MW-0101-S1U(092716)
Instrument: 50mv3a.i
Sample Info: 50155366035x100
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c15.d

Date : 11-OCT-2016 05:15

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x100

Purge Volume: 5.0

Operator: jlz

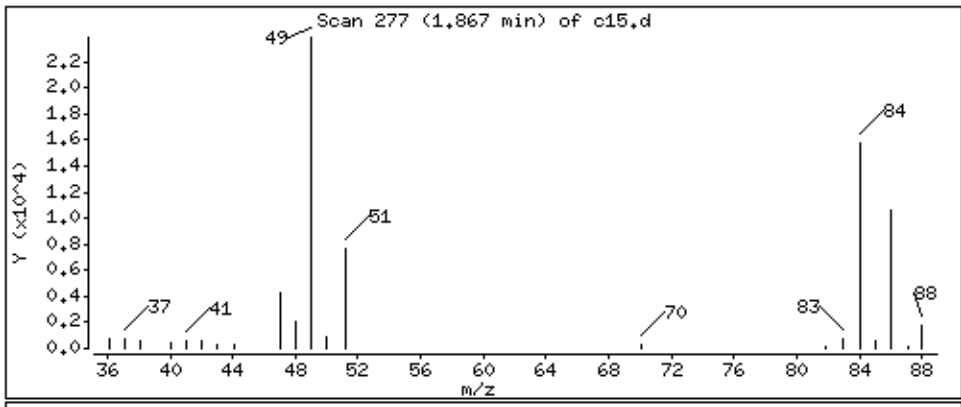
Column phase: DB-624

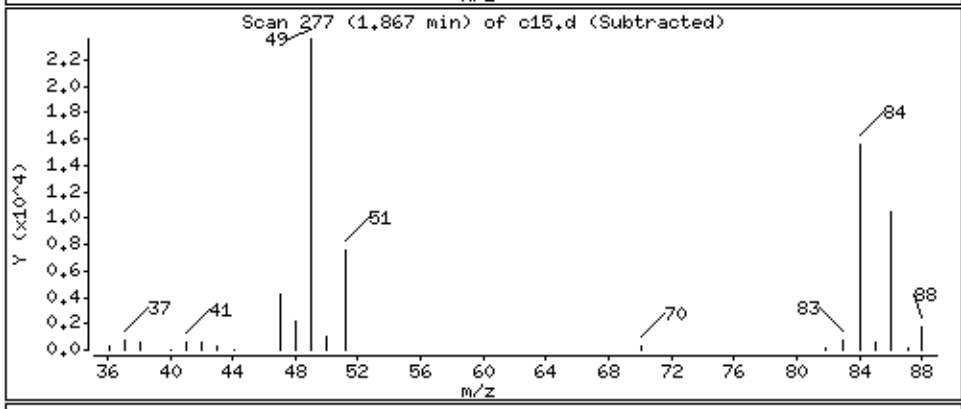
Column diameter: 0.18

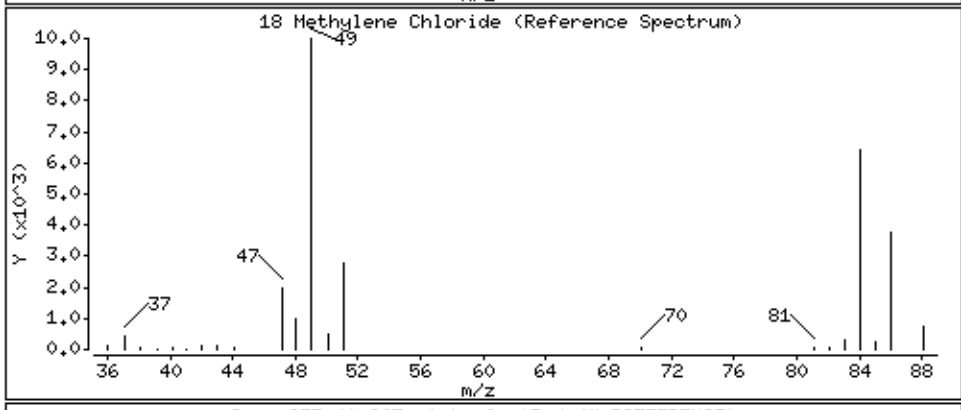
18 Methylene Chloride

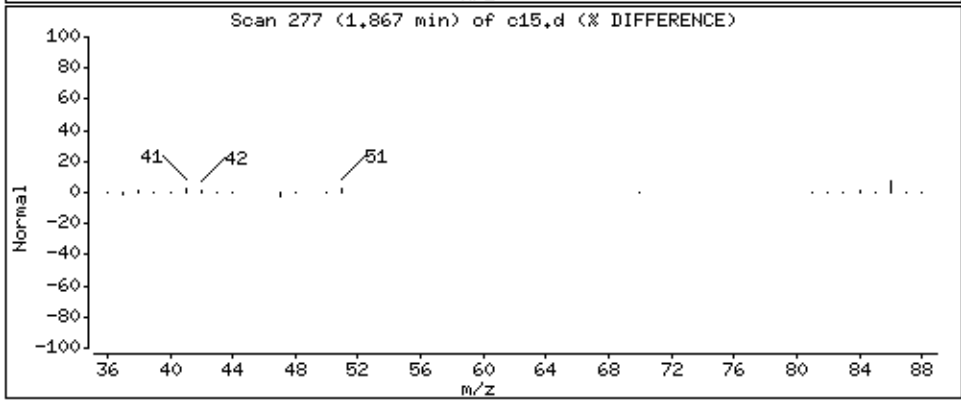
Concentration: 926 ppb

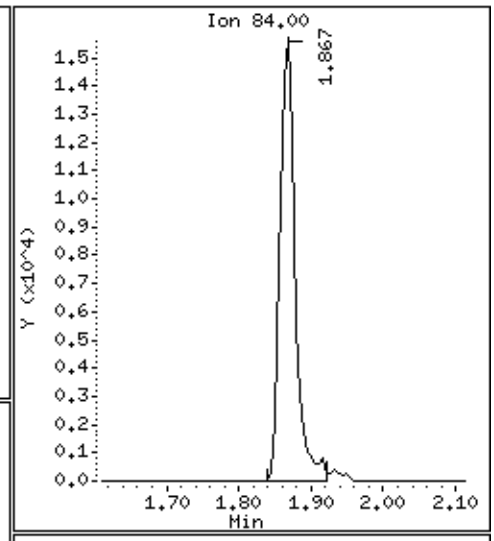
Review Code:

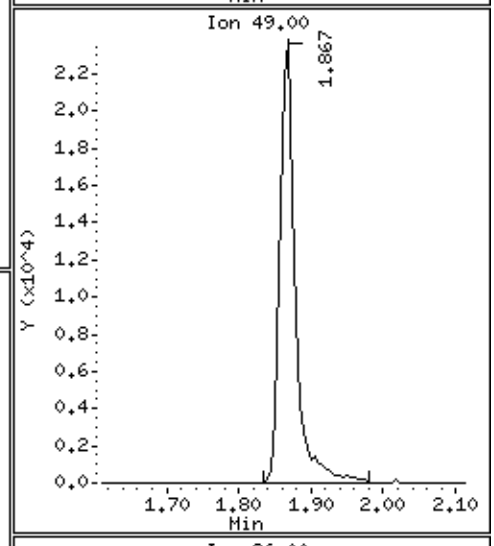


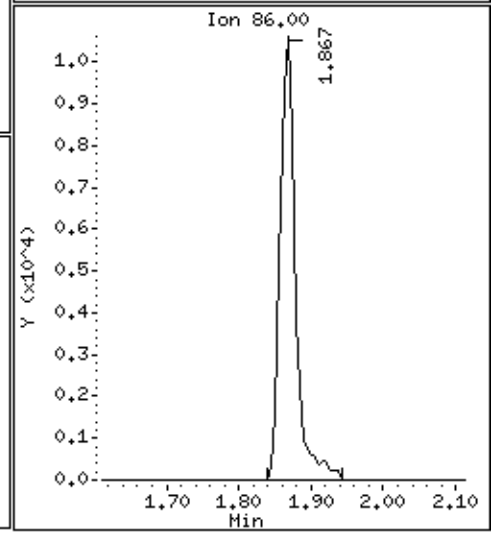












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c15.d

Date : 11-OCT-2016 05:15

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x100

Purge Volume: 5.0

Operator: jlz

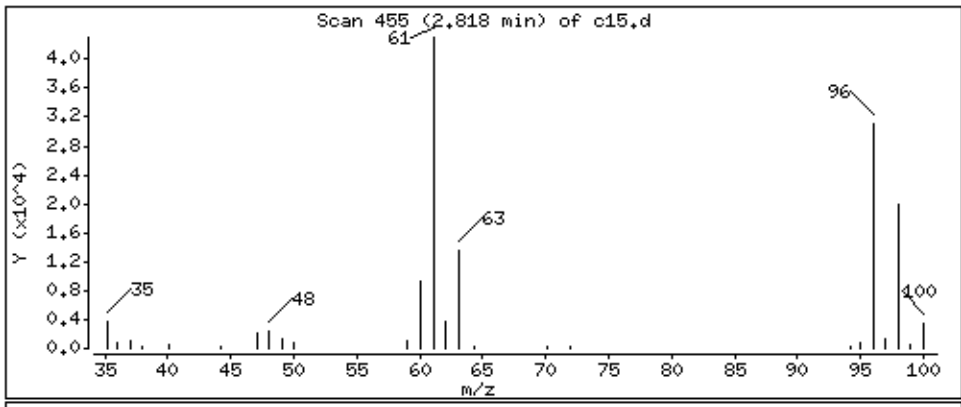
Column phase: DB-624

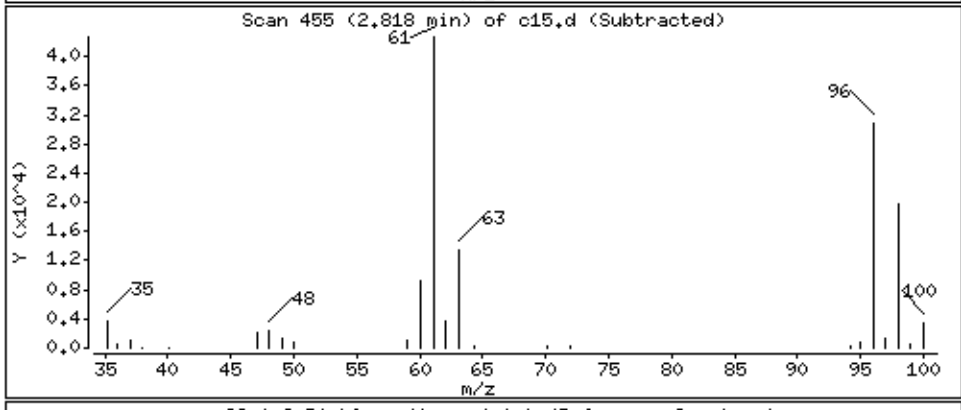
Column diameter: 0.18

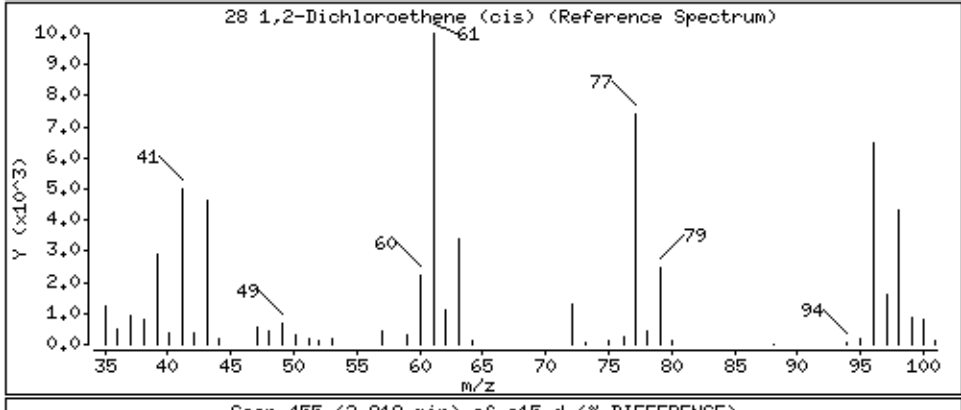
28 1,2-Dichloroethene (cis)

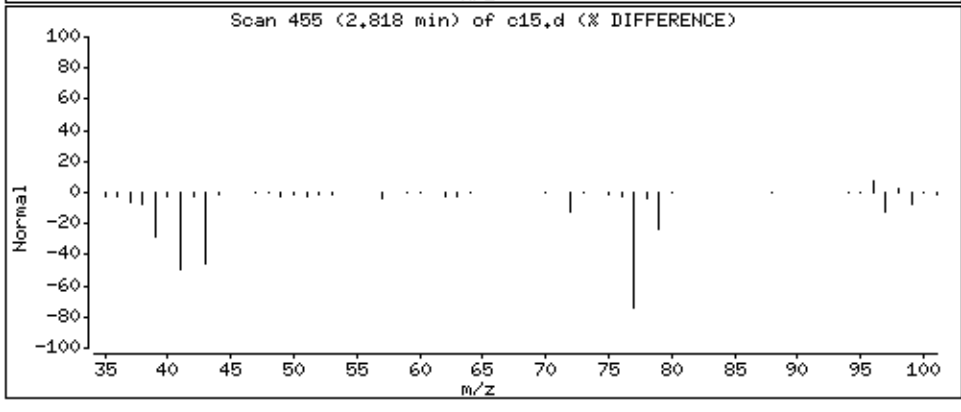
Concentration: 2470 ppb

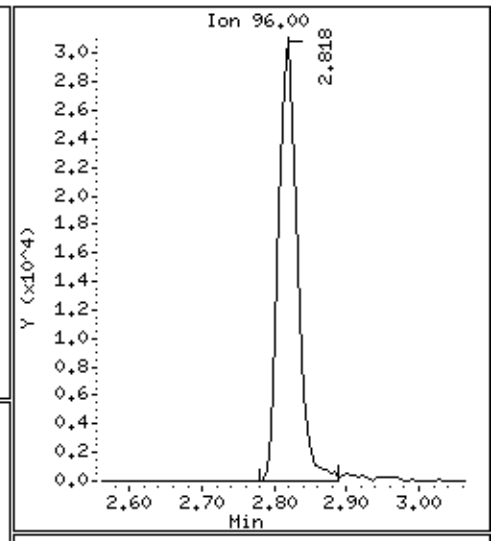
Review Code:

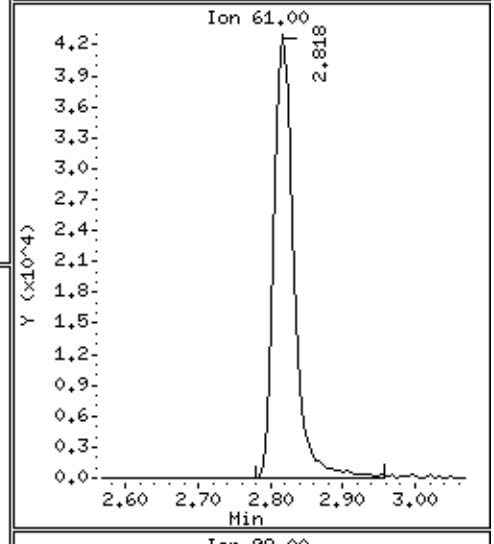


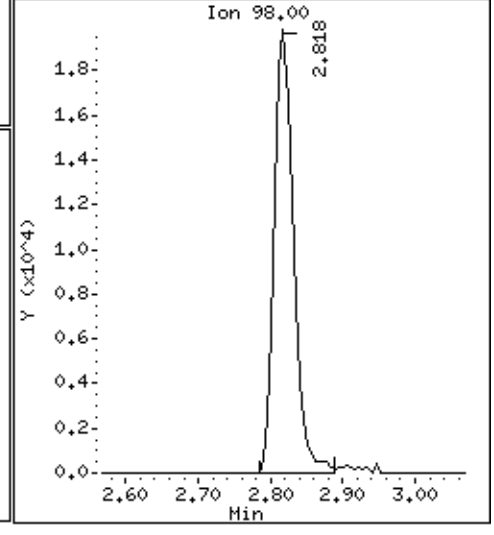












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c15.d

Date : 11-OCT-2016 05:15

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x100

Purge Volume: 5.0

Operator: jlz

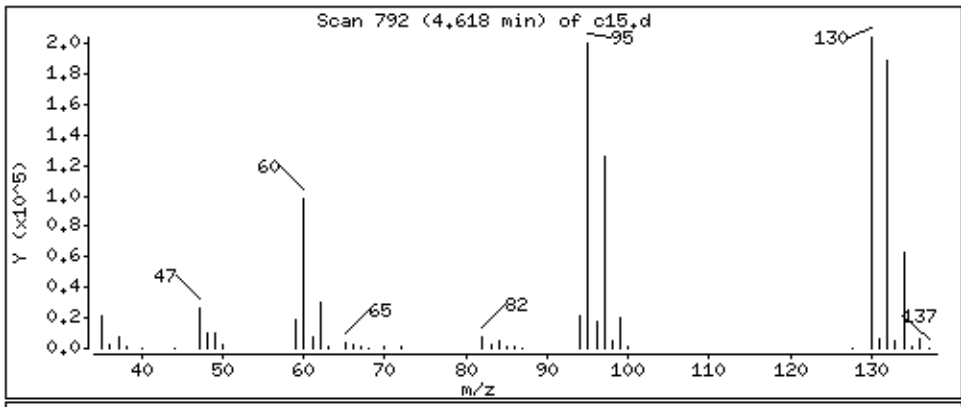
Column phase: DB-624

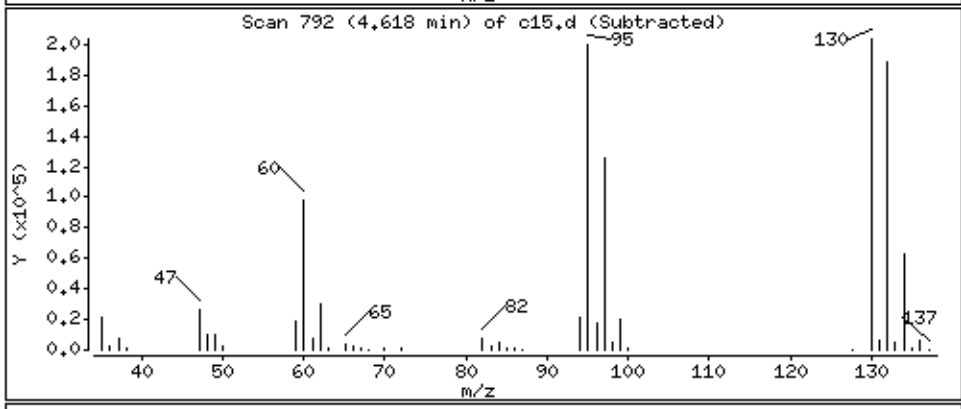
Column diameter: 0.18

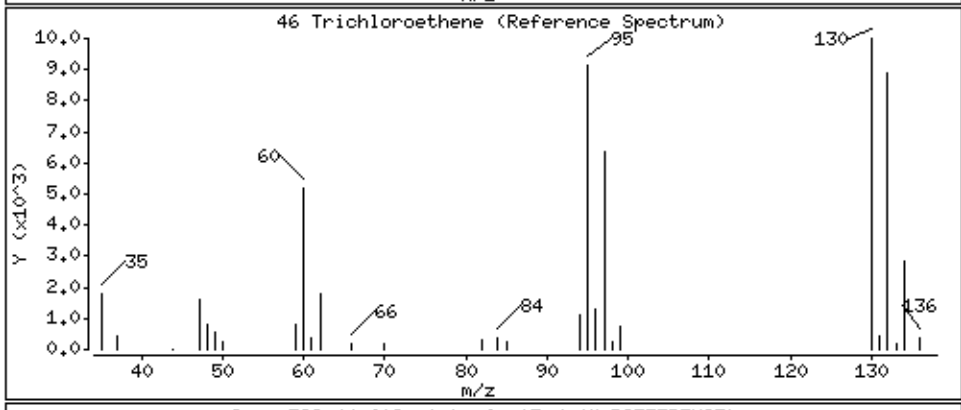
46 Trichloroethene

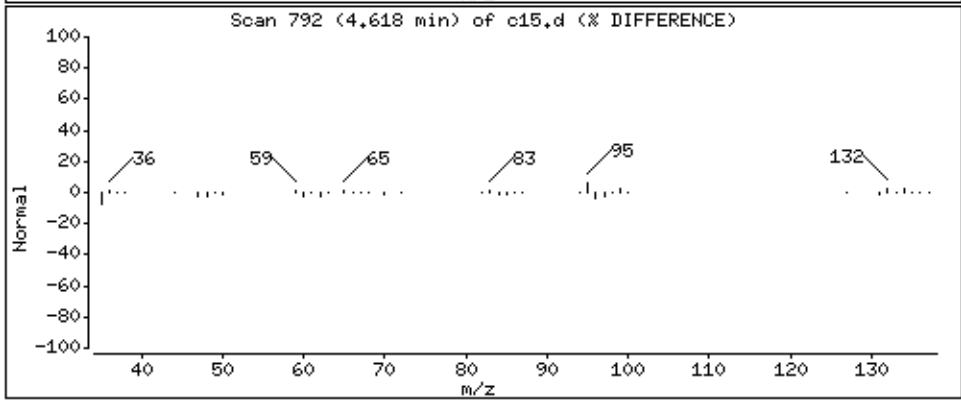
Concentration: 18500 ppb

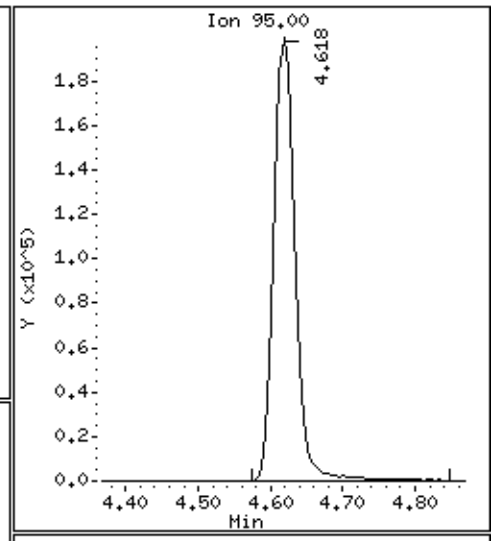
Review Code:

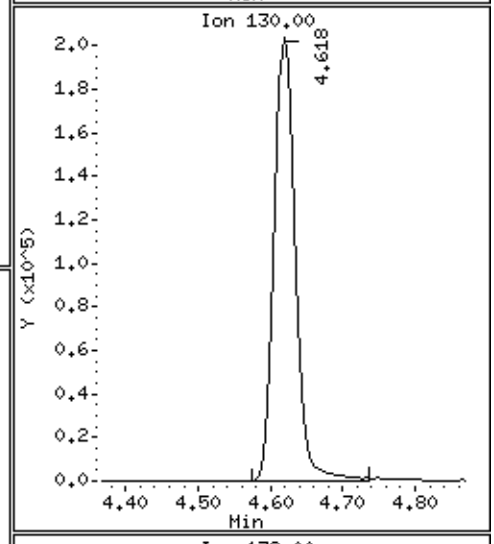


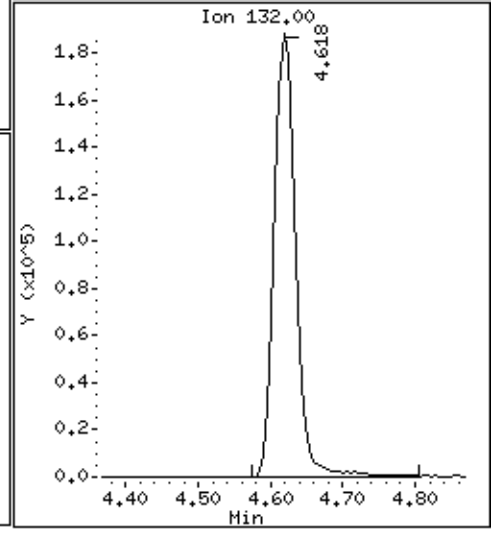












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c15.d

Date : 11-OCT-2016 05:15

Client ID: MW-0101-S1U(092716)

Instrument: 50mv3a.i

Sample Info: 50155366035x100

Purge Volume: 5.0

Operator: jlz

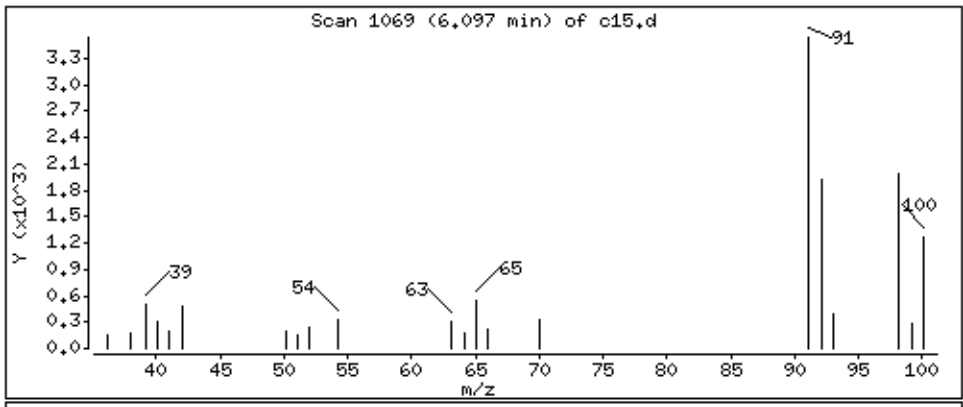
Column phase: DB-624

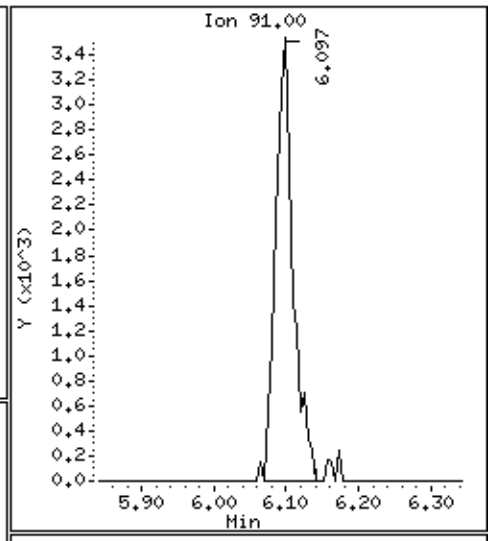
Column diameter: 0.18

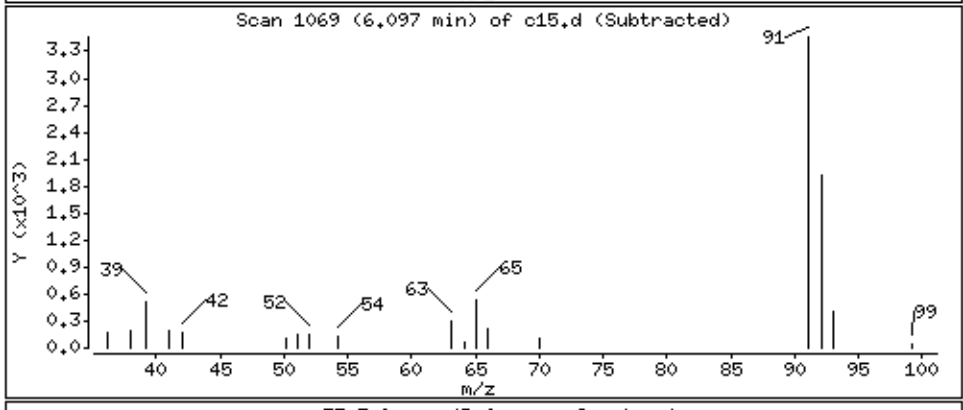
57 Toluene

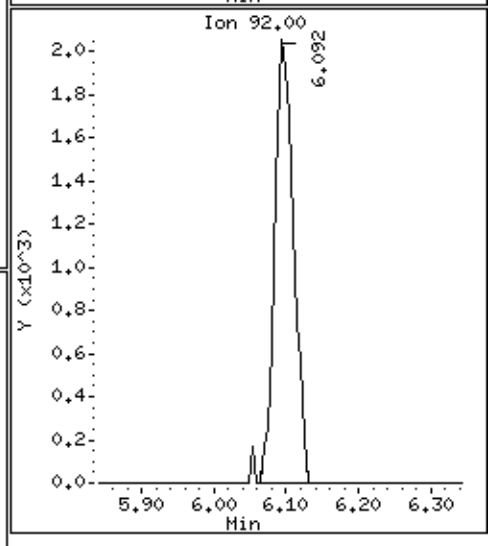
Concentration: 56.8 ppb

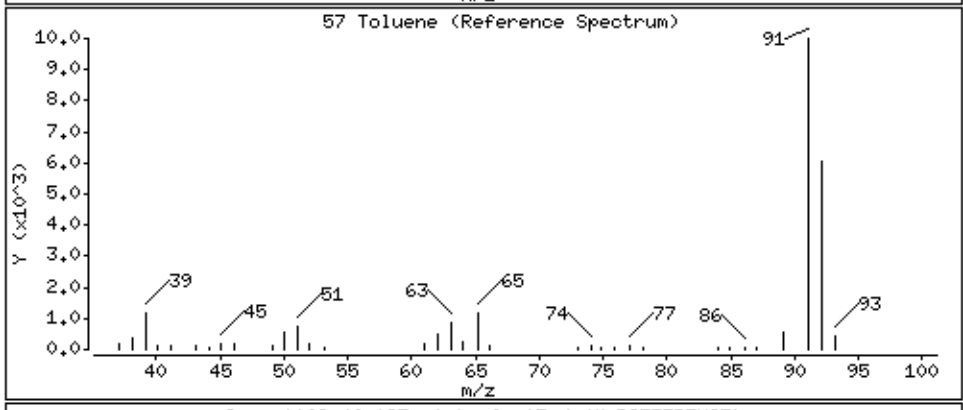
Review Code:

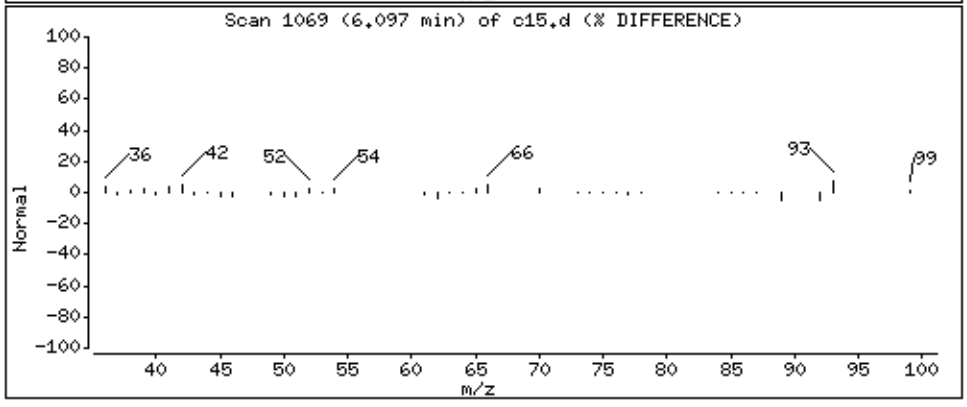












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c15.d
Injection Date: 11-OCT-2016 05:15
Instrument: 50mv3a.i
Lab Sample ID: 50155366035
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

FD-1(092716)RW

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 08:45 Lab Sample ID: 50155366036

Date Analyzed: 10/07/2016 08:45 Lab File ID: A100616.B\C16.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	145	
156-60-5	trans-1,2-Dichloroethene	40.6	
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

FD-1(092716)RW

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 08:45 Lab Sample ID: 50155366036

Date Analyzed: 10/07/2016 08:45 Lab File ID: A100616.B\C16.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d
Lab Smp Id: 50155366036 Client Smp ID: FD-1(092716)RW
Inj Date : 07-OCT-2016 08:45
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366036
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 79
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

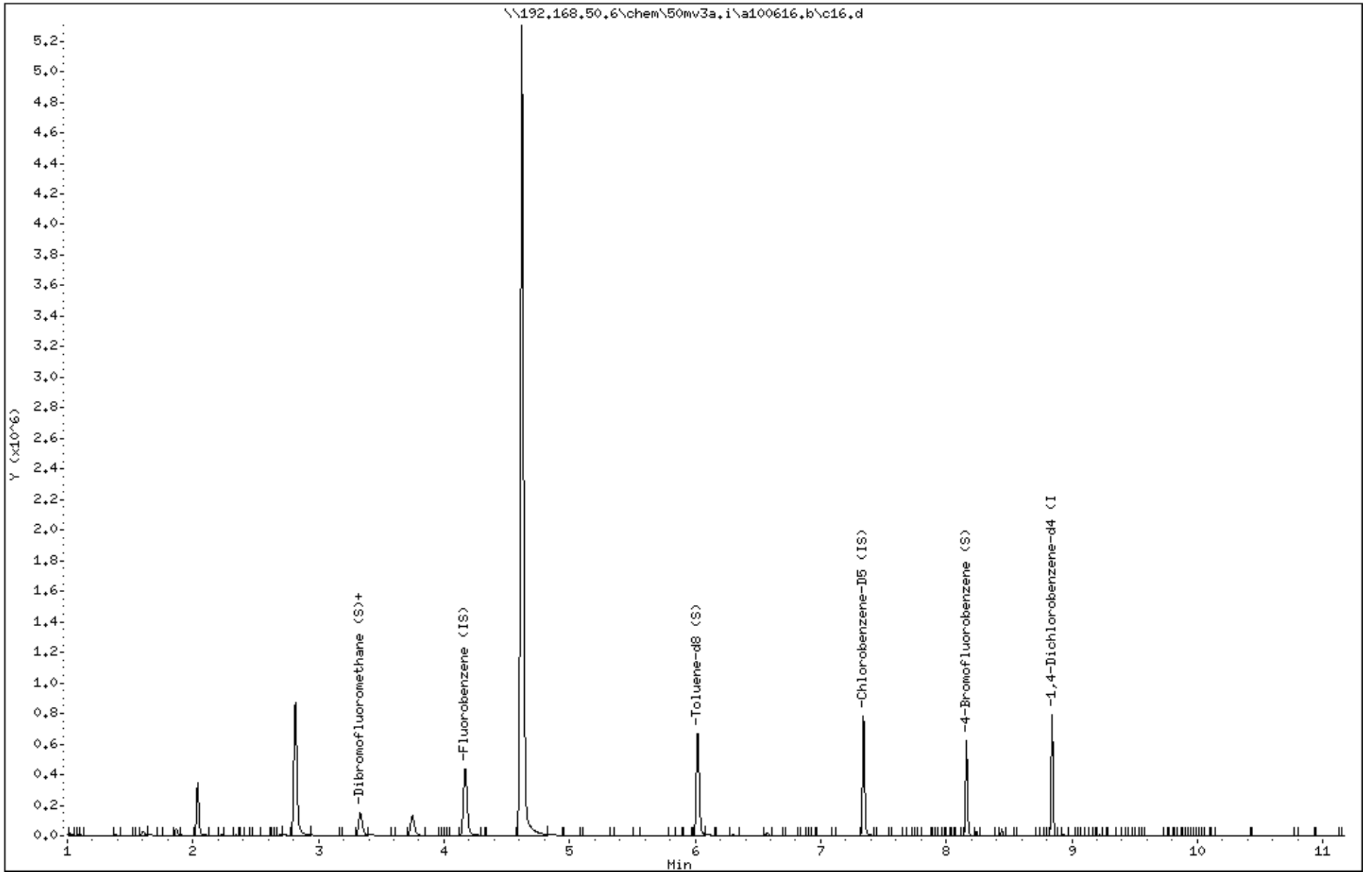
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.605	1.602	(0.386)	26618	66.7364	66.7	
	18 Methylene Chloride	84	1.867	1.864	(0.448)	14790	4.53842	4.54	
	22 1,2-Dichloroethene (trans)	96	2.038	2.035	(0.489)	90079	40.6162	40.6	
	28 1,2-Dichloroethene (cis)	96	2.818	2.815	(0.677)	344647	145.049	145(Q)	
$	35 Dibromofluoromethane (S)	113	3.330	3.328	(0.800)	98145	48.8711	48.9	
	37 Cyclohexane	56	3.427	3.418	(0.823)	2959	0.67840	0.678	
*	45 Fluorobenzene (IS)	96	4.164	4.166	(1.000)	444121	50.0000		
	46 Trichloroethene	95	4.623	4.620	(1.110)	1837484	794.345	794	
$	56 Toluene-d8 (S)	98	6.017	6.020	(0.820)	430791	46.0163	46.0	
	57 Toluene	91	6.102	6.089	(0.831)	4826	0.43421	0.434	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.344	(1.000)	301921	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.112)	135934	50.4964	50.5	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.840	(1.000)	128524	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d
Date : 07-OCT-2016 08:45
Client ID: FD-1(092716)RW
Sample Info: 50155366036
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d

Date : 07-OCT-2016 08:45

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036

Purge Volume: 5.0

Operator: jlz

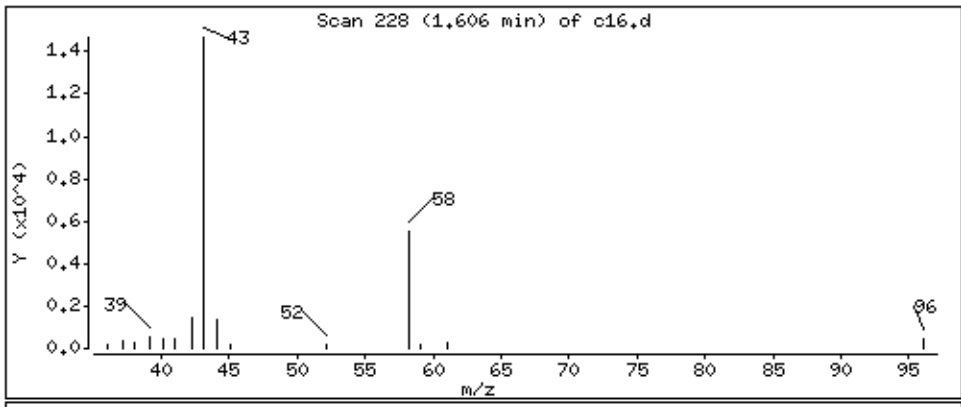
Column phase: DB-624

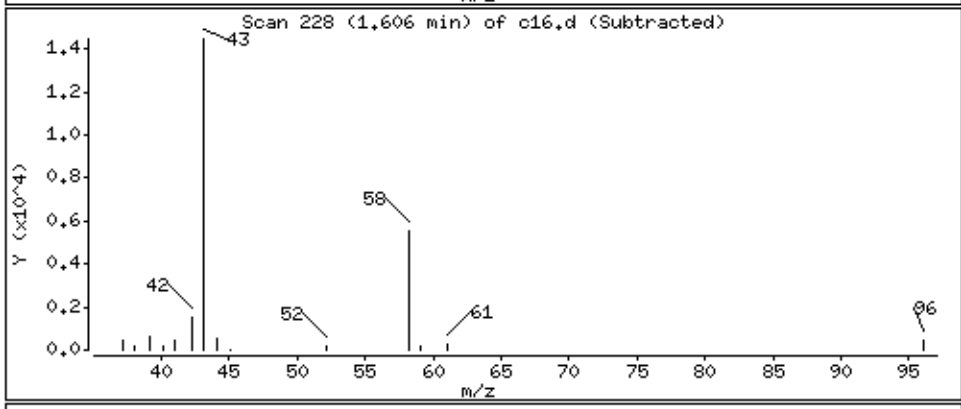
Column diameter: 0.18

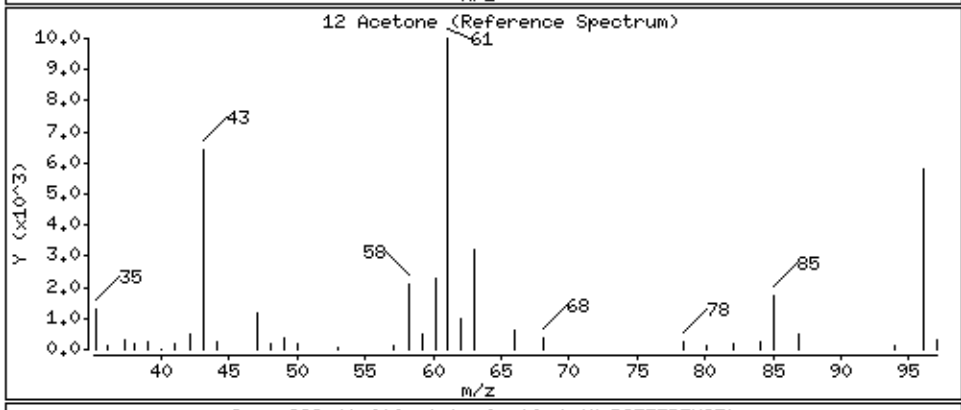
12 Acetone

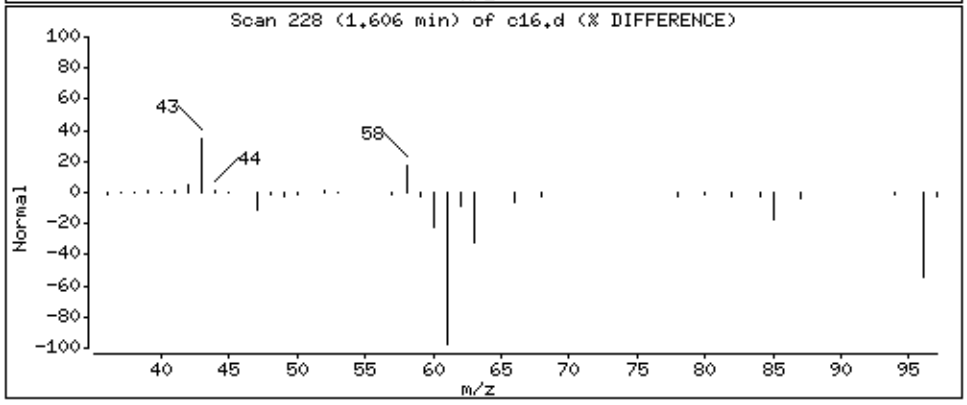
Concentration: 66.7 ppb

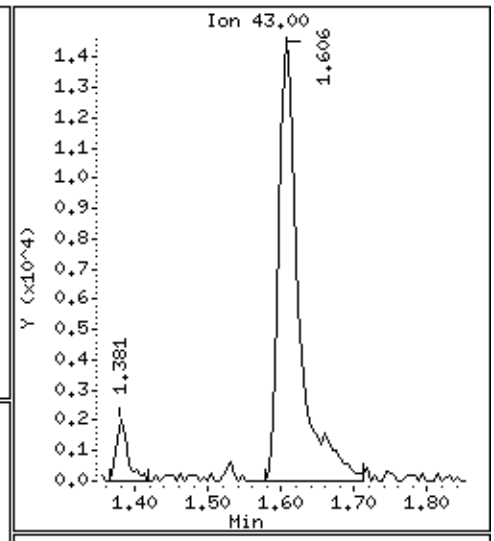
Review Code:

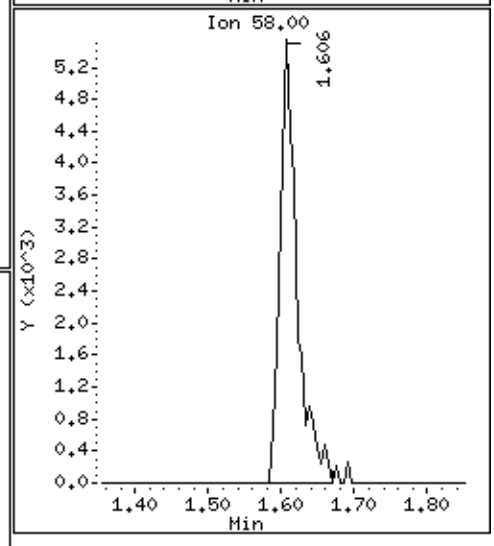












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d

Date : 07-OCT-2016 08:45

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036

Purge Volume: 5.0

Operator: jlz

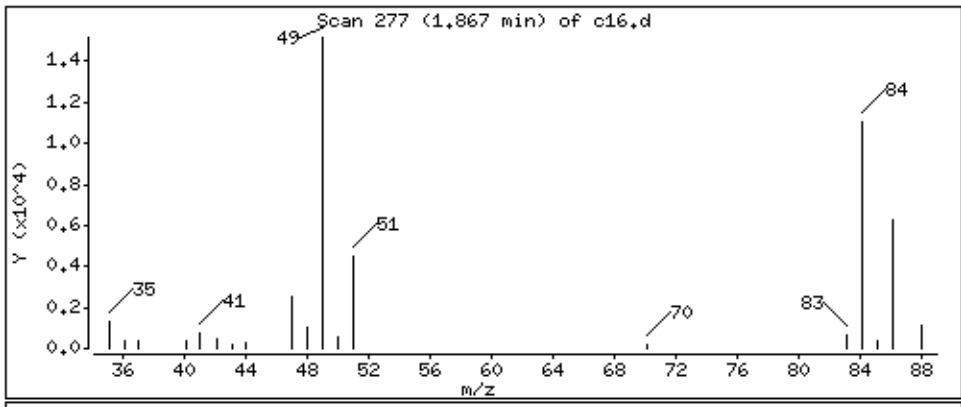
Column phase: DB-624

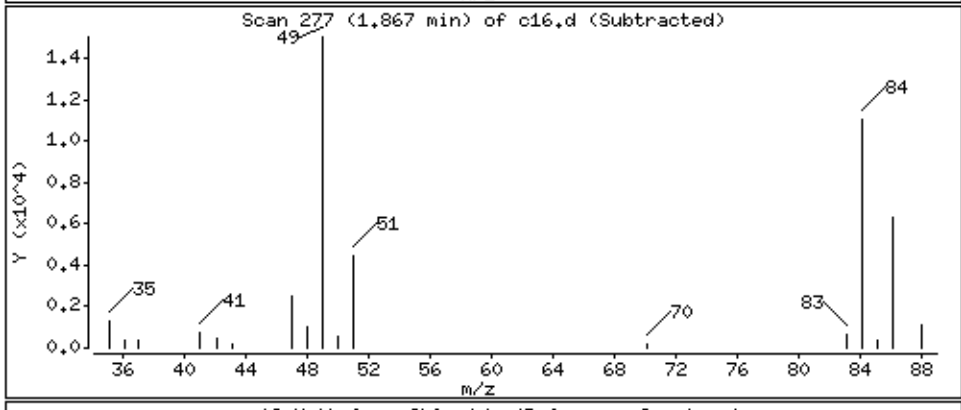
Column diameter: 0.18

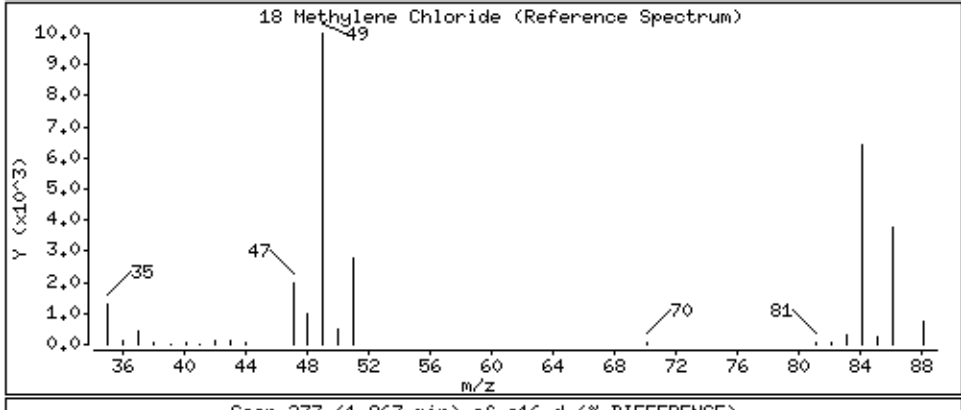
18 Methylene Chloride

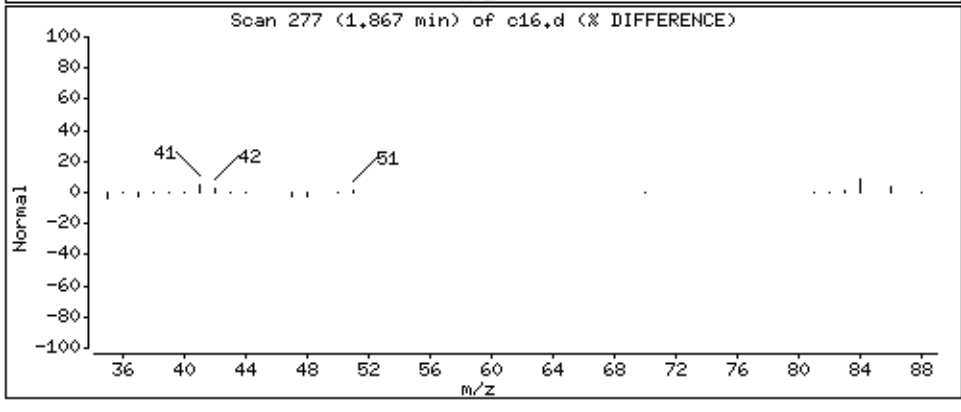
Concentration: 4.54 ppb

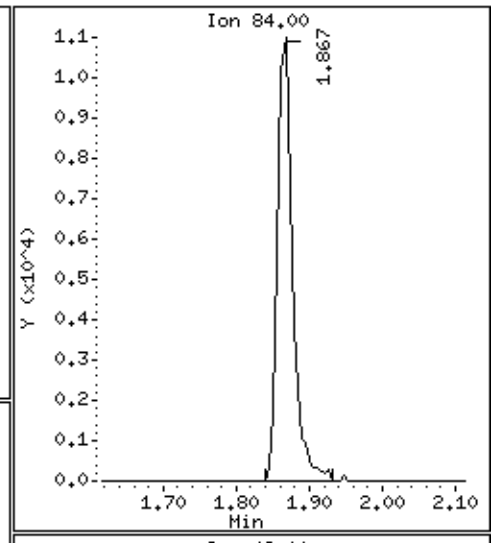
Review Code:

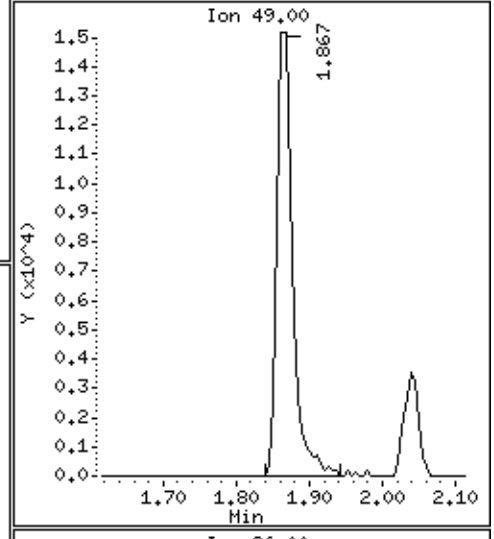


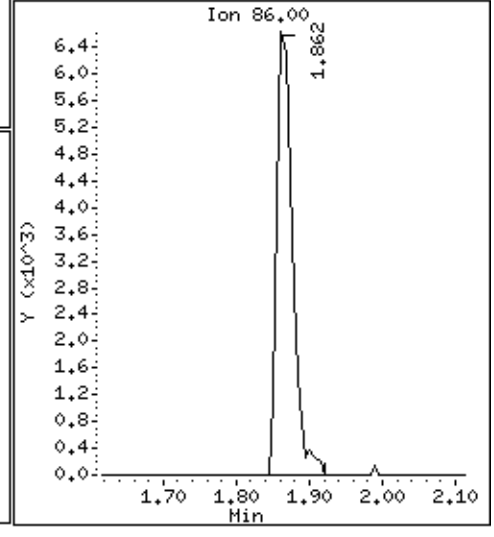












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d

Date : 07-OCT-2016 08:45

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036

Purge Volume: 5.0

Operator: jlz

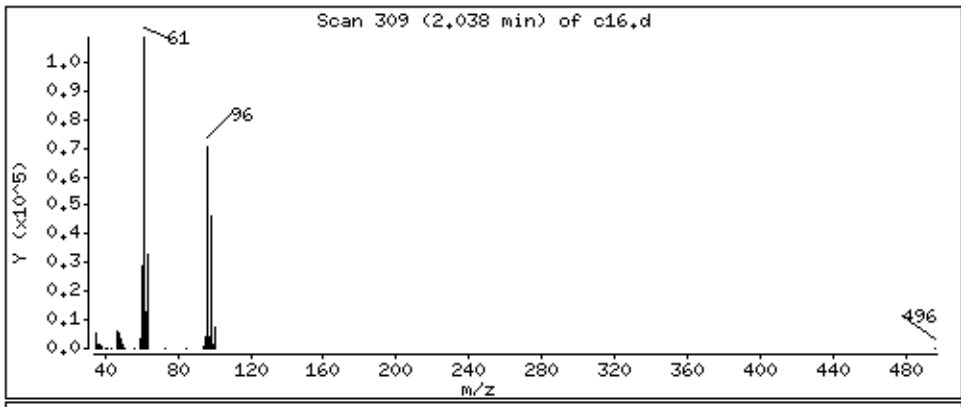
Column phase: DB-624

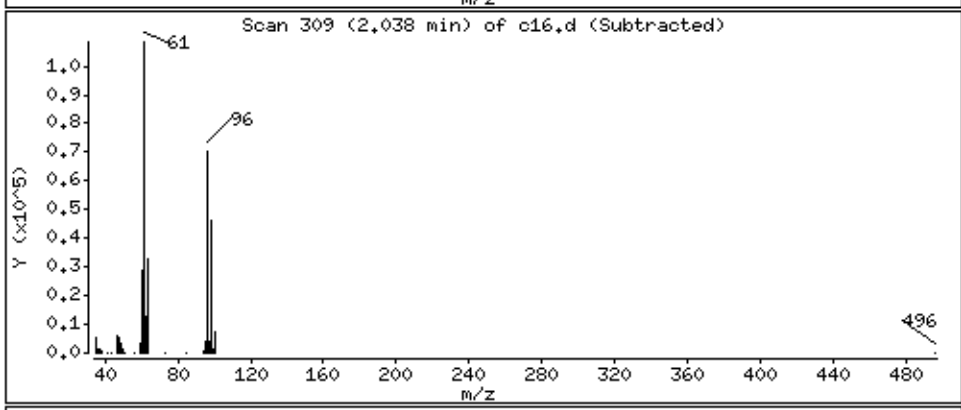
Column diameter: 0.18

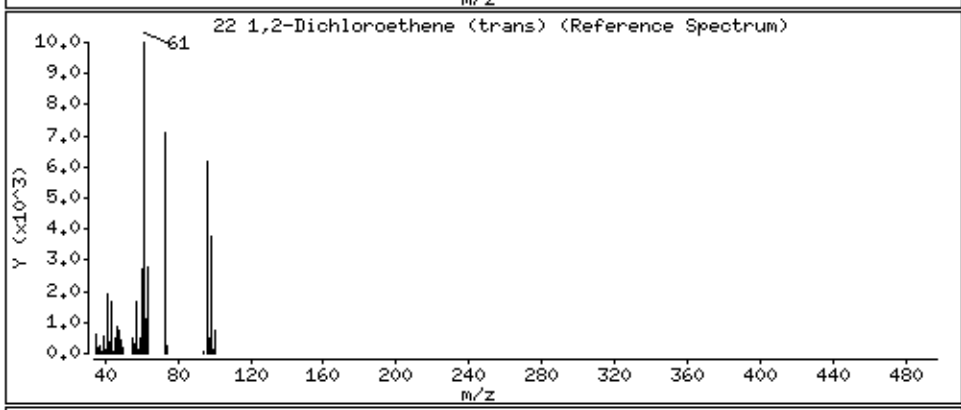
22 1,2-Dichloroethene (trans)

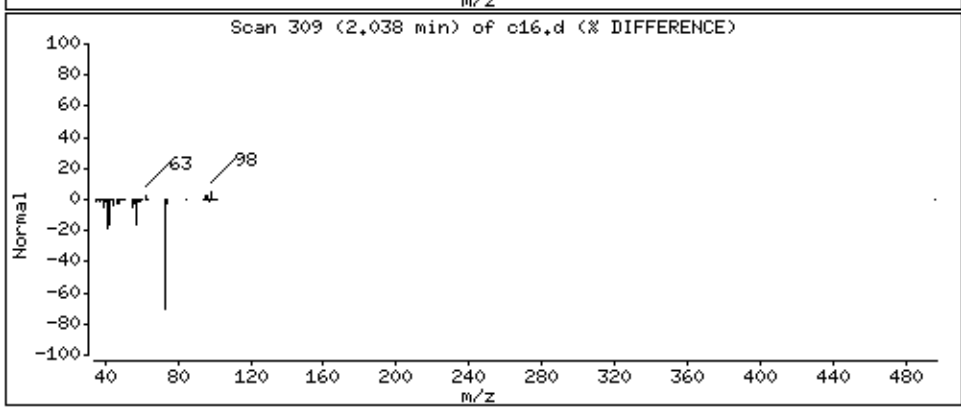
Concentration: 40.6 ppb

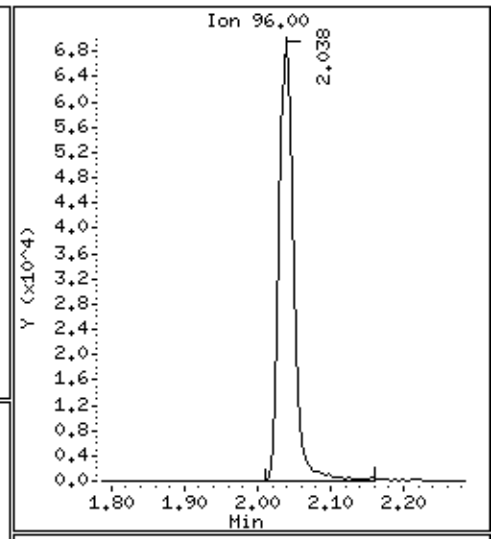
Review Code:

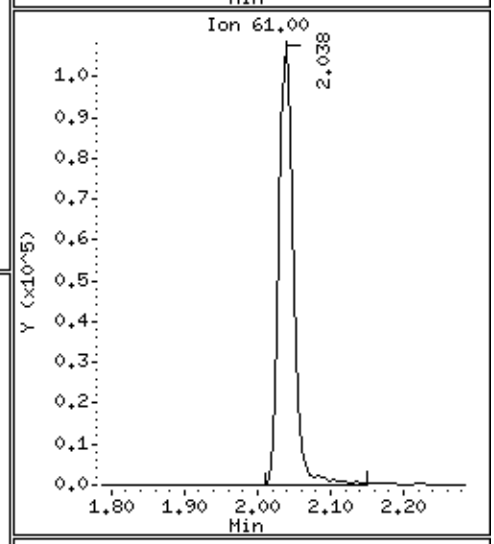


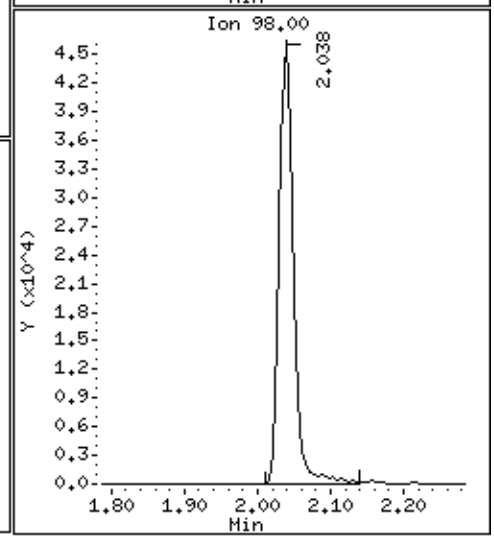












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d

Date : 07-OCT-2016 08:45

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036

Purge Volume: 5.0

Operator: jlz

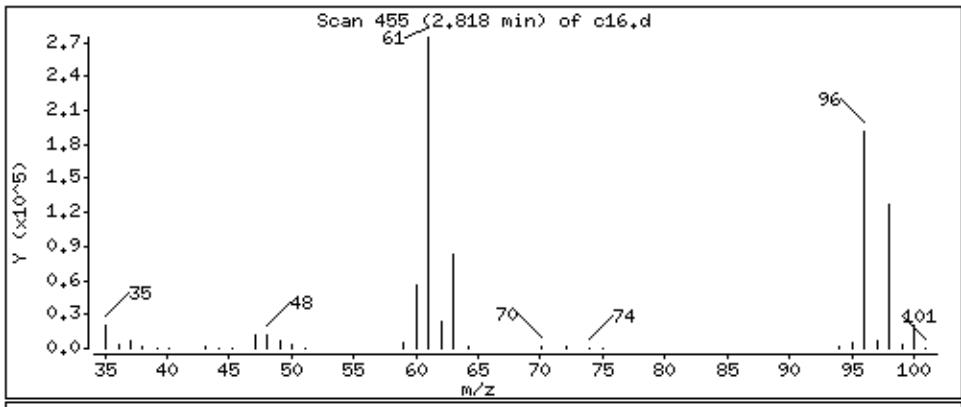
Column phase: DB-624

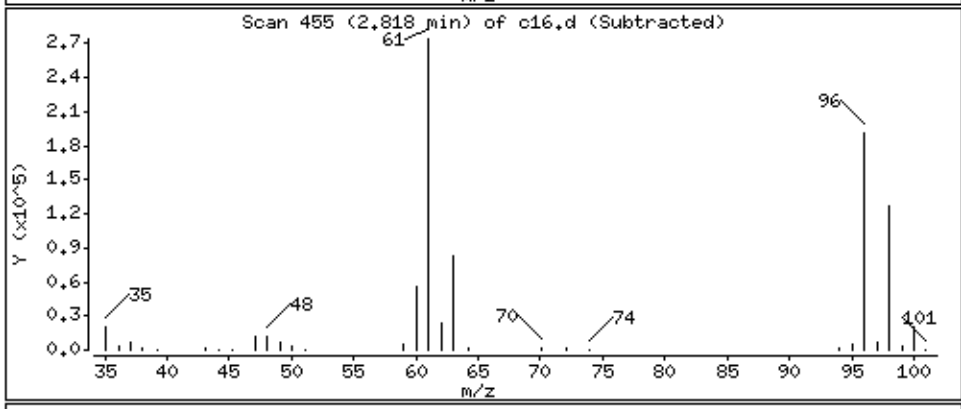
Column diameter: 0.18

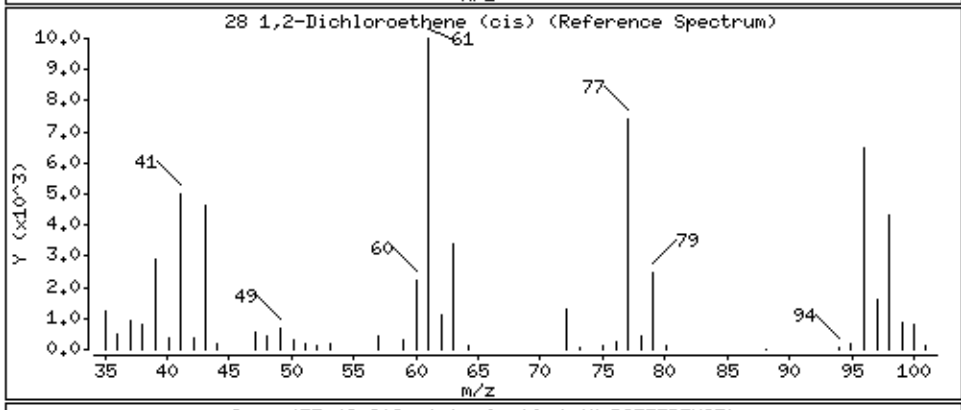
28 1,2-Dichloroethene (cis)

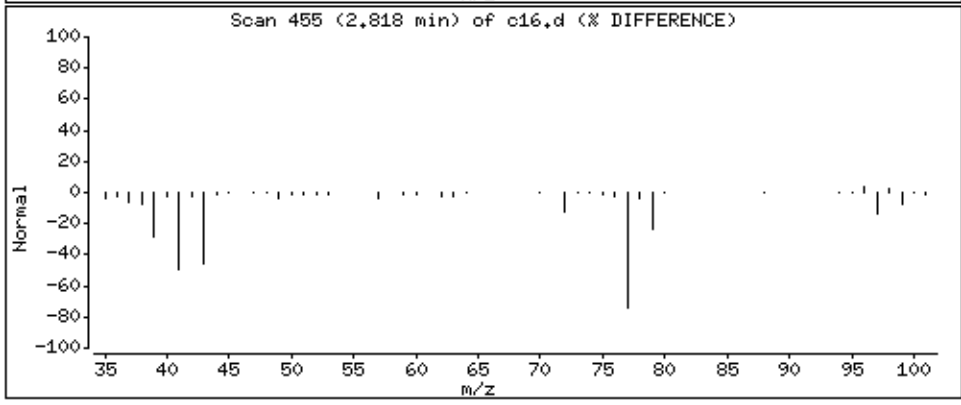
Concentration: 145 ppb

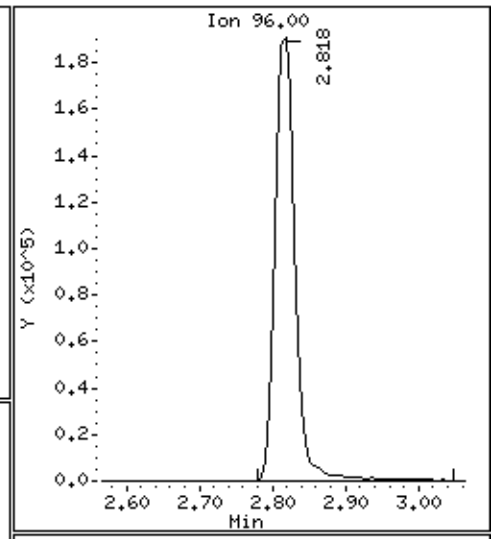
Review Code:

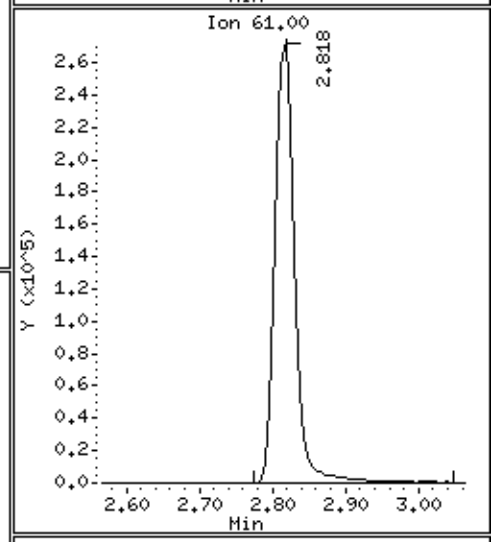


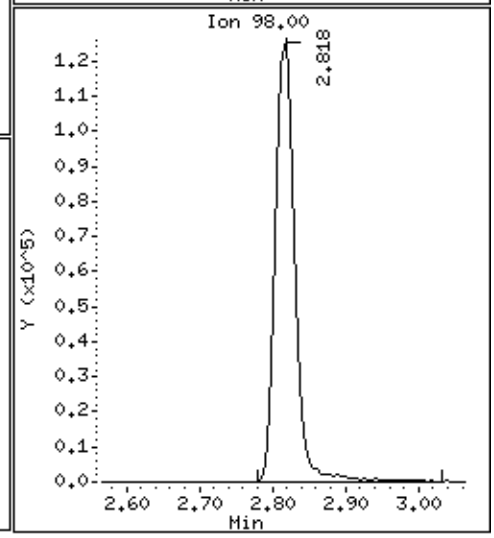












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d

Date : 07-OCT-2016 08:45

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036

Purge Volume: 5.0

Operator: jlz

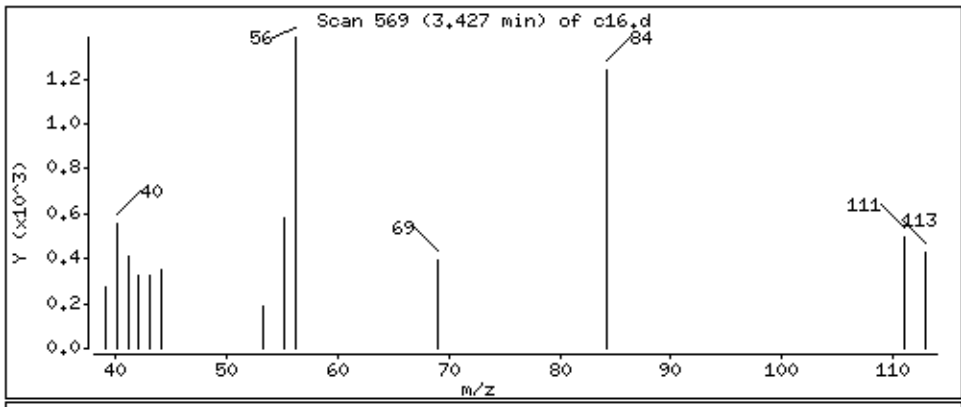
Column phase: DB-624

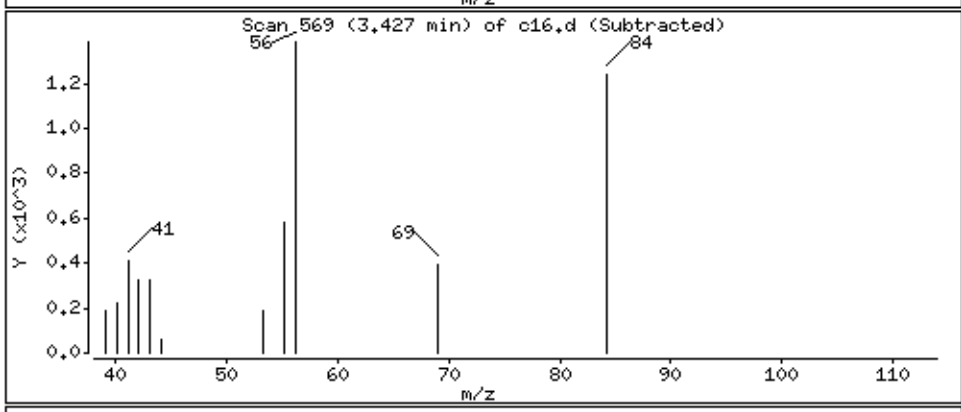
Column diameter: 0.18

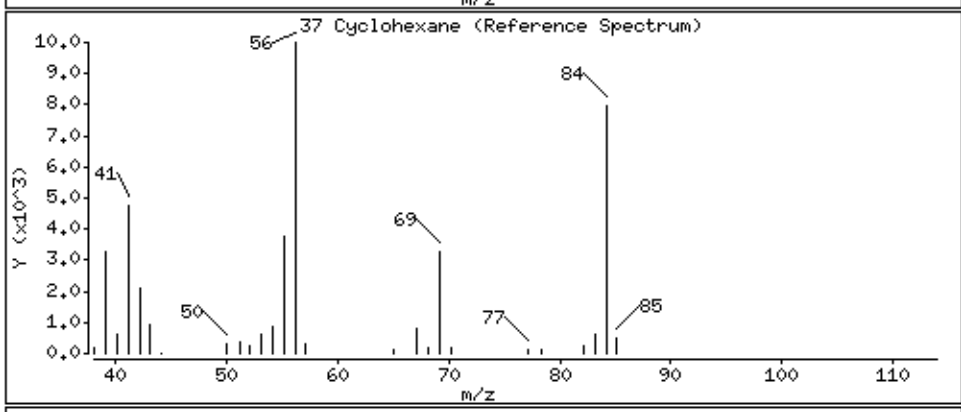
37 Cyclohexane

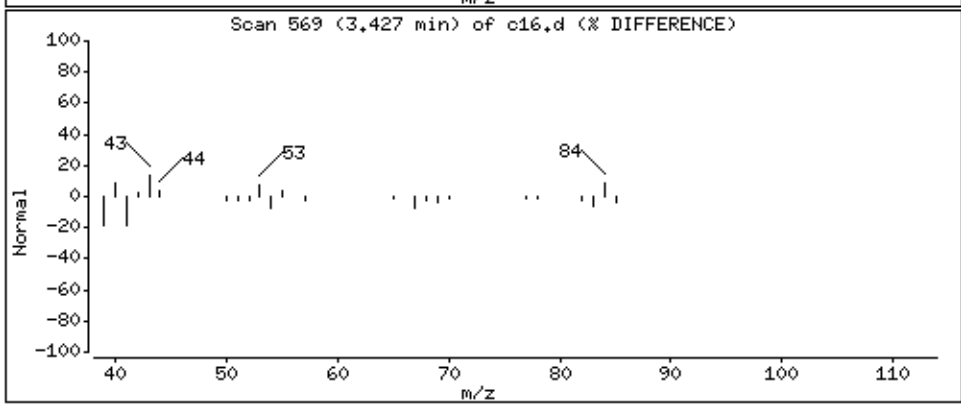
Concentration: 0.678 ppb

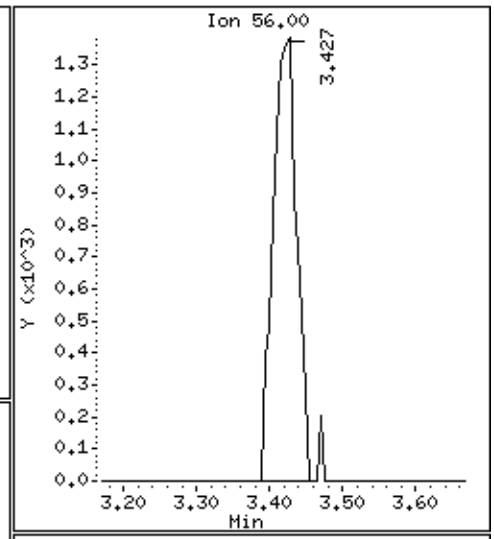
Review Code:

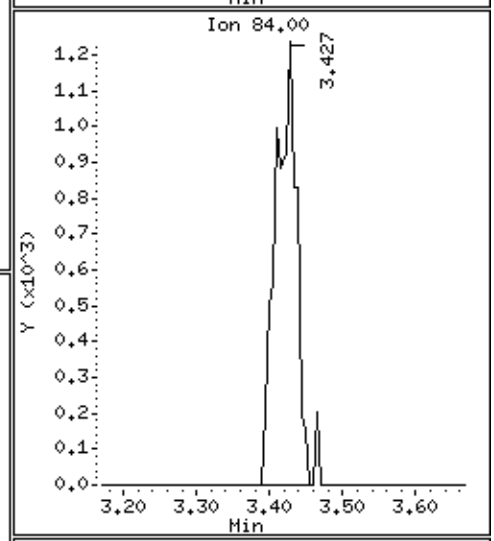


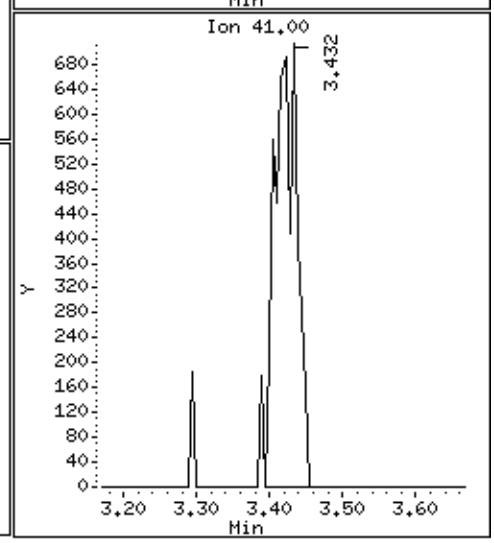












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d

Date : 07-OCT-2016 08:45

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036

Purge Volume: 5.0

Operator: jlz

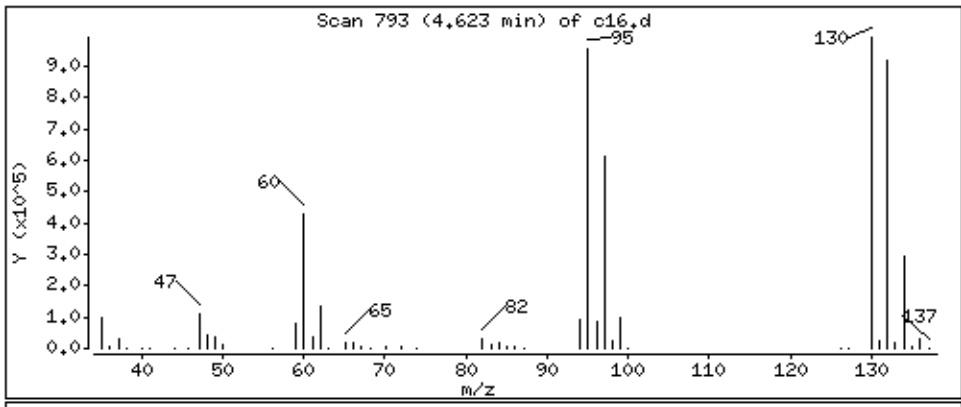
Column phase: DB-624

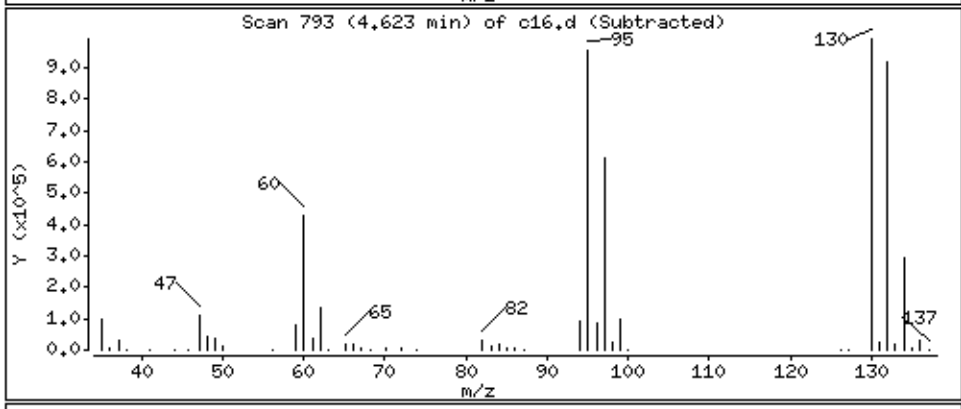
Column diameter: 0.18

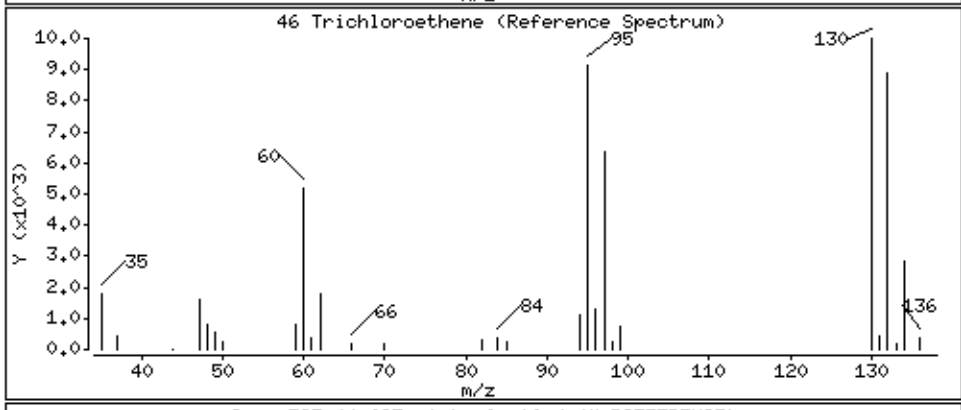
46 Trichloroethene

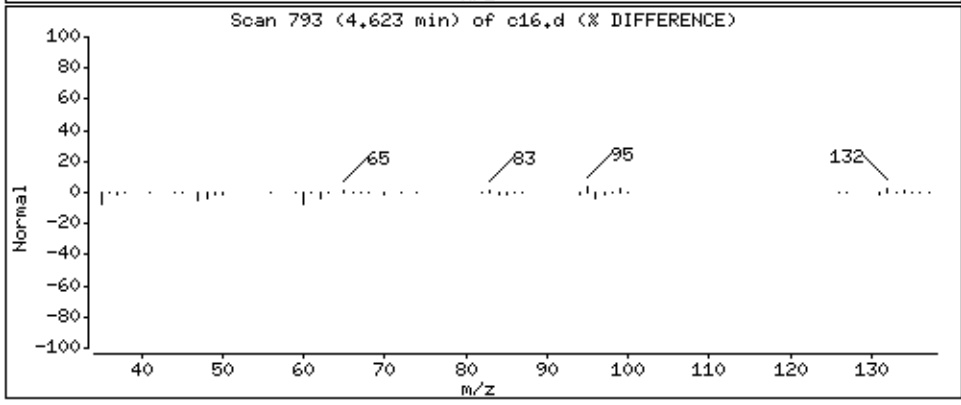
Concentration: 794 ppb

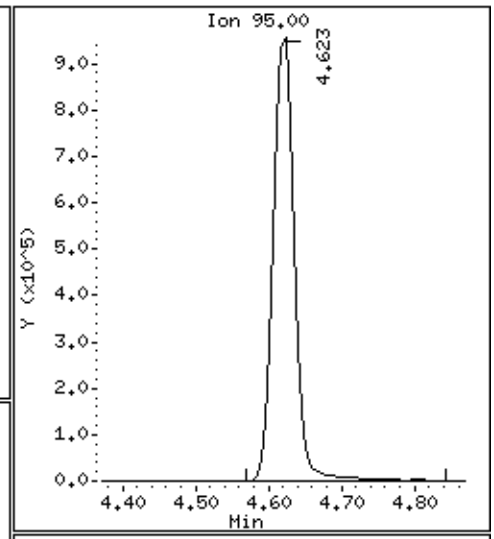
Review Code:

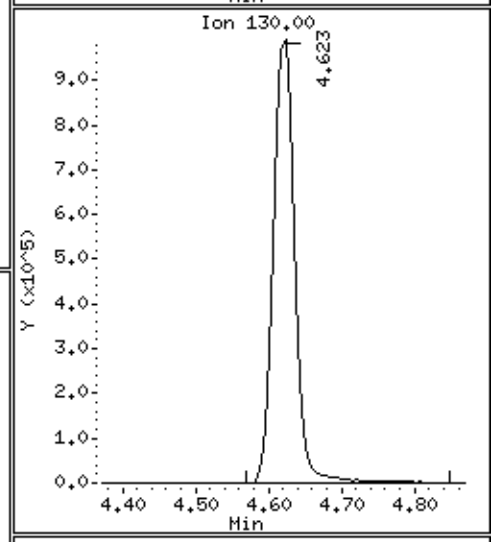


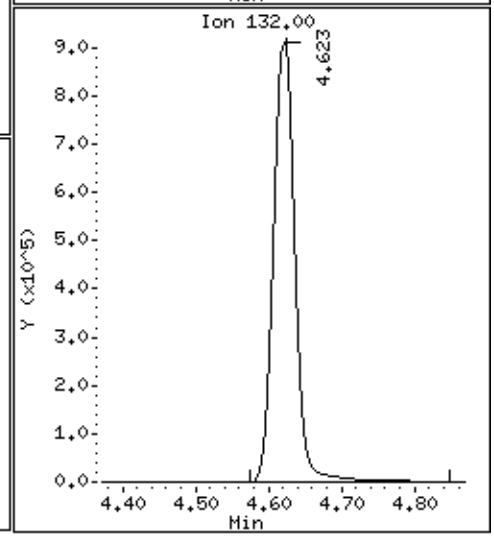












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c16.d

Date : 07-OCT-2016 08:45

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036

Purge Volume: 5.0

Operator: jlz

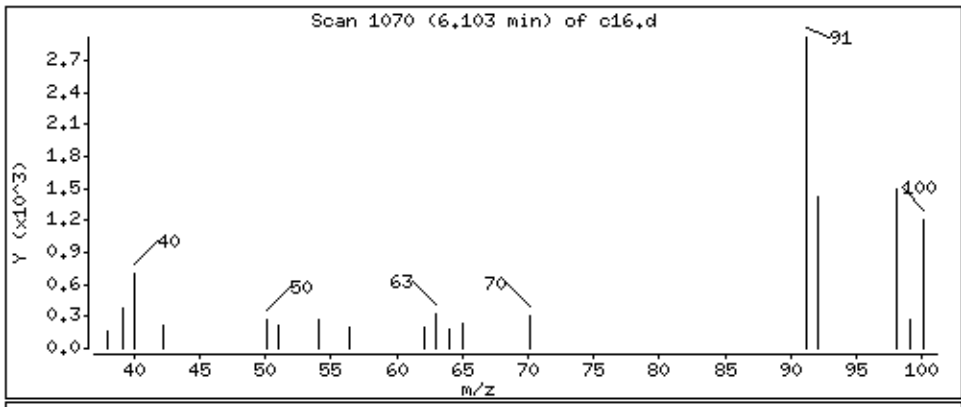
Column phase: DB-624

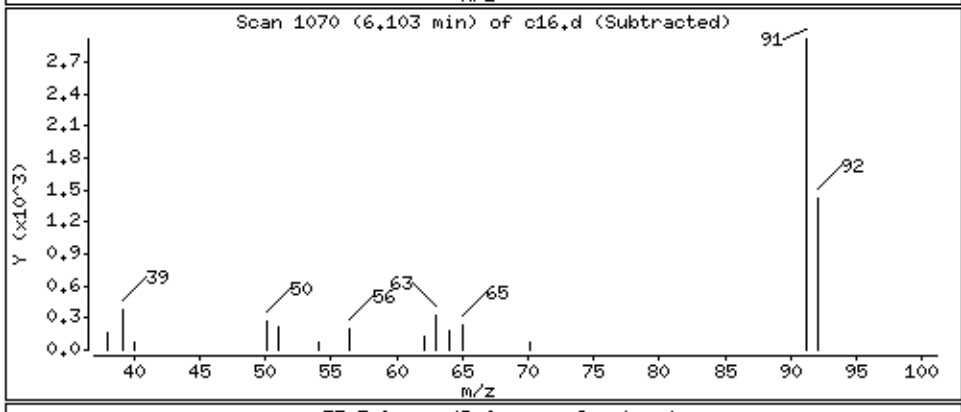
Column diameter: 0.18

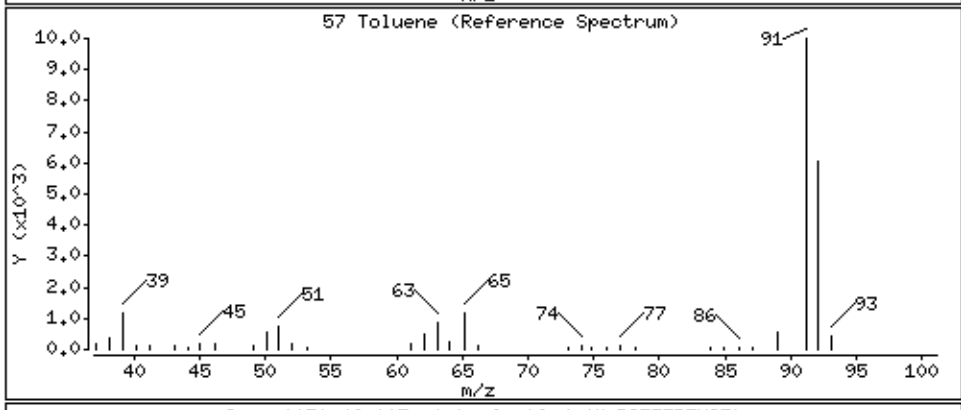
57 Toluene

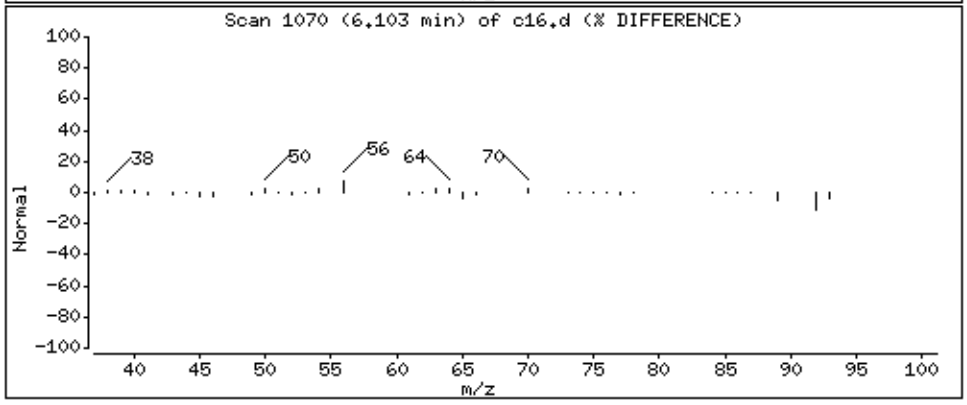
Concentration: 0.434 ppb

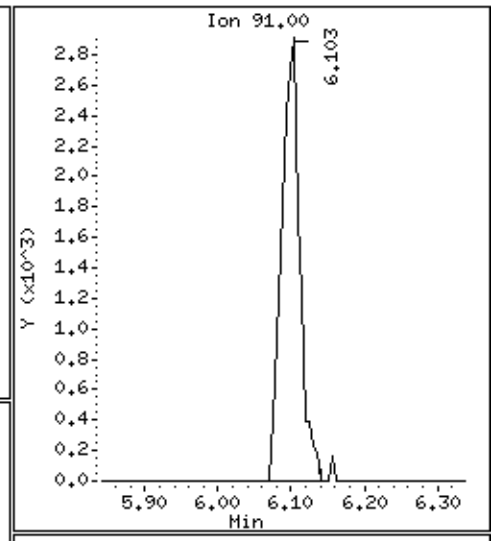
Review Code:

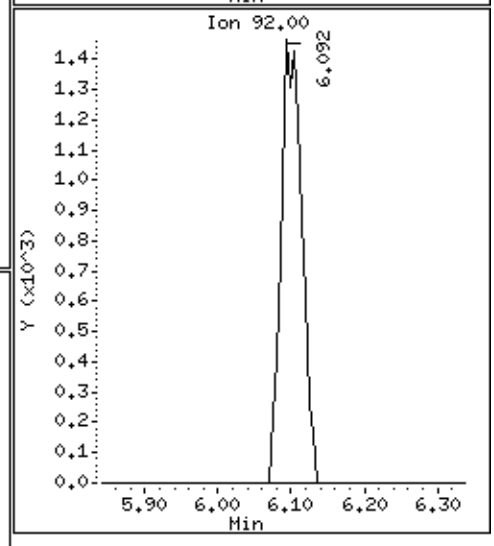












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c16.d
Injection Date: 07-OCT-2016 08:45
Instrument: 50mv3a.i
Lab Sample ID: 50155366036
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

FD-1(092716)RW

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 05:48 Lab Sample ID: 50155366036

Date Analyzed: 10/11/2016 05:48 Lab File ID: A101016.B\C16.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 5 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-01-6	Trichloroethene	809	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d
Lab Smp Id: 50155366036 Client Smp ID: FD-1(092716)RW
Inj Date : 11-OCT-2016 05:48
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366036x5
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 79
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.608	1.606	(0.386)	6533	18.3897	91.9	
	18 Methylene Chloride	84	1.864	1.862	(0.448)	17371	7.05504	35.3	
	22 1,2-Dichloroethene (trans)	96	2.040	2.039	(0.490)	15497	7.84512	39.2	
	28 1,2-Dichloroethene (cis)	96	2.815	2.813	(0.676)	60368	28.5248	143(Q)	
$	35 Dibromofluoromethane (S)	113	3.333	3.331	(0.800)	89675	50.1339	50.1	
*	45 Fluorobenzene (IS)	96	4.166	4.164	(1.000)	395572	50.0000		
	46 Trichloroethene	95	4.620	4.618	(1.109)	333421	161.828	809	
$	56 Toluene-d8 (S)	98	6.019	6.018	(0.820)	377393	46.2568	46.2	
	57 Toluene	91	6.094	6.093	(0.830)	7042	0.72702	3.64	
*	66 Chlorobenzene-D5 (IS)	117	7.344	7.342	(1.000)	263122	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.161	8.165	(1.111)	115766	49.3458	49.3	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.838	(1.000)	111930	50.0000		

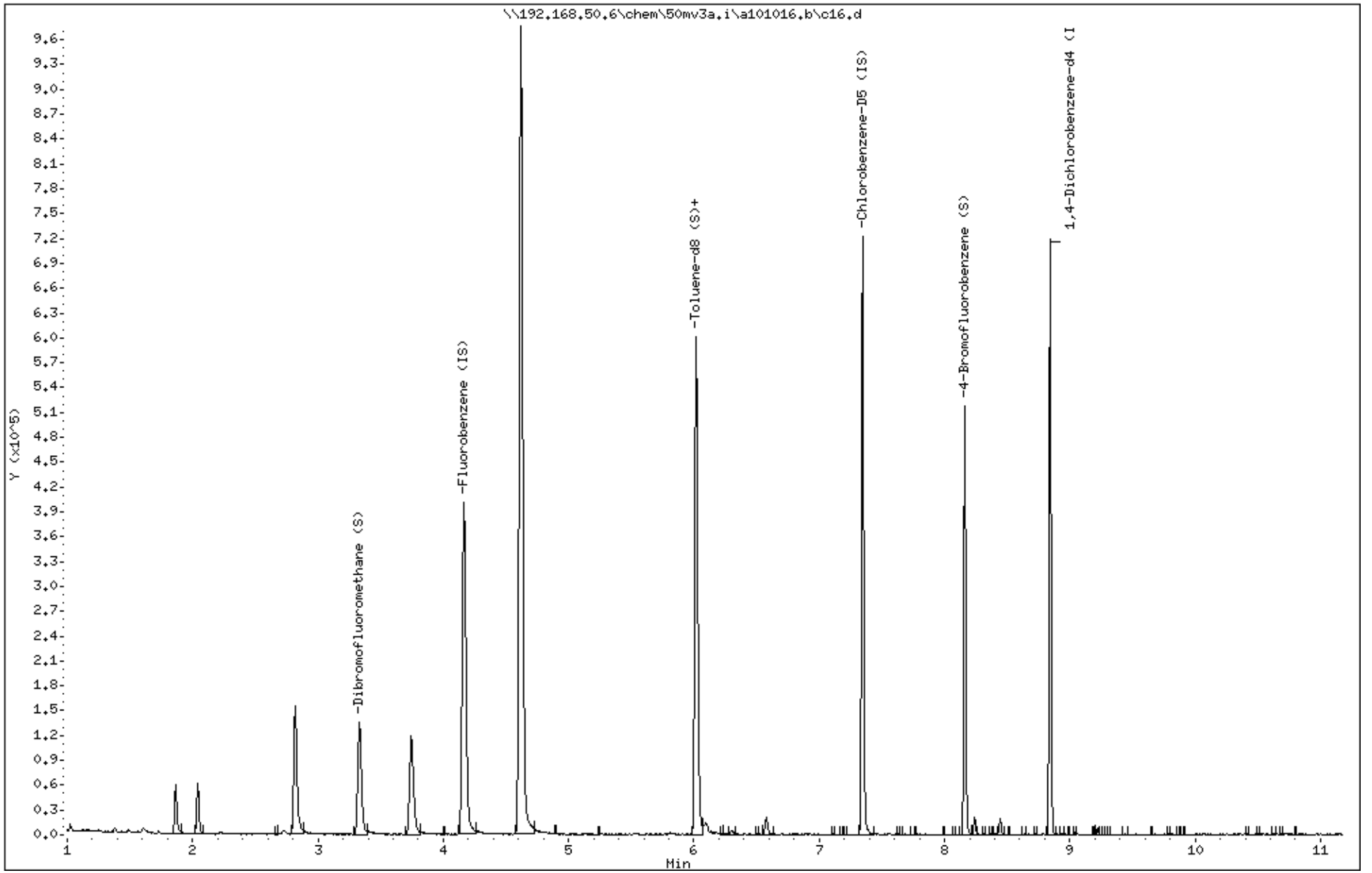
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d
Date : 11-OCT-2016 05:48
Client ID: FD-1(092716)RW
Instrument: 50mv3a.i
Sample Info: 50155366036x5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d

Date : 11-OCT-2016 05:48

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036x5

Purge Volume: 5.0

Operator: jlz

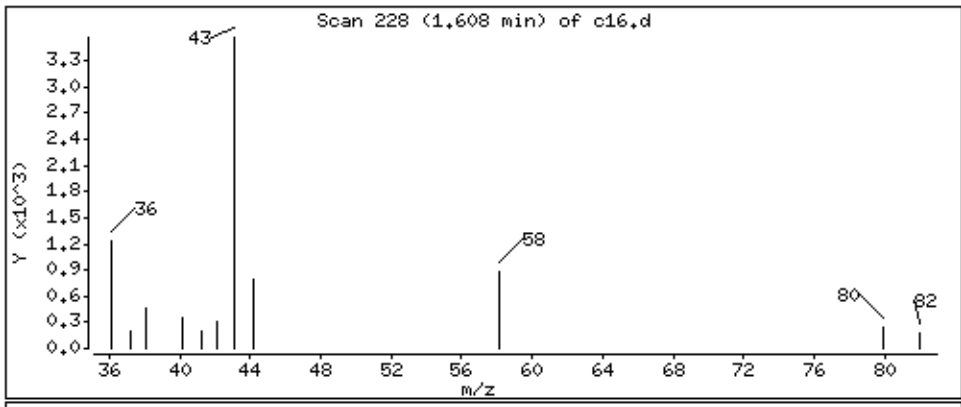
Column phase: DB-624

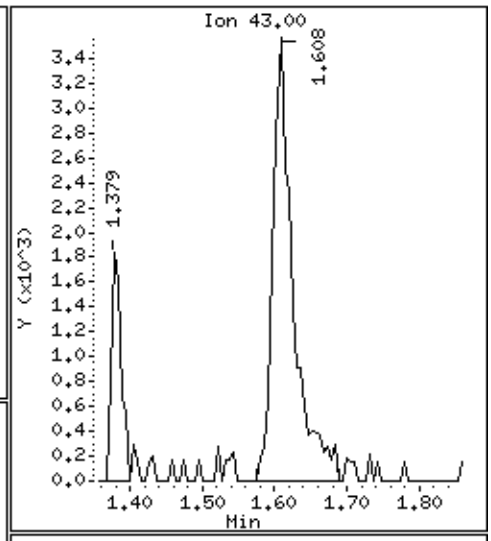
Column diameter: 0.18

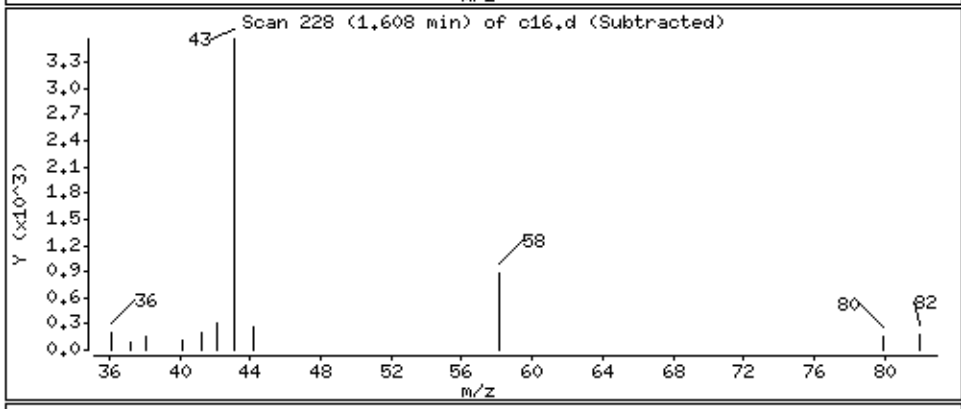
12 Acetone

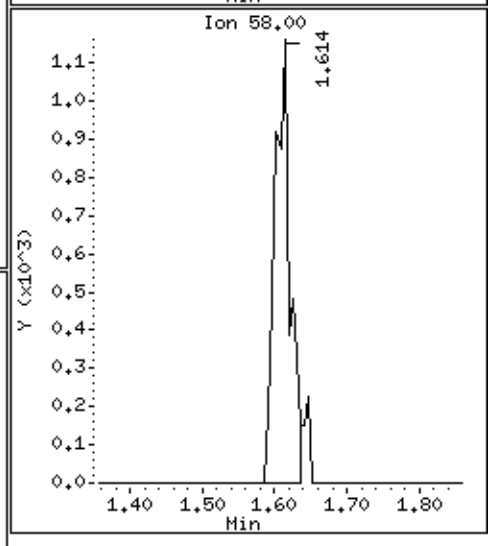
Concentration: 91.9 ppb

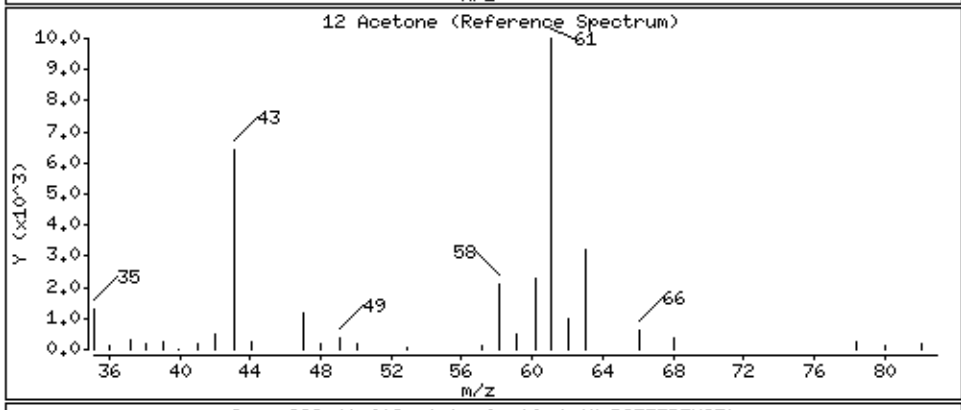
Review Code:

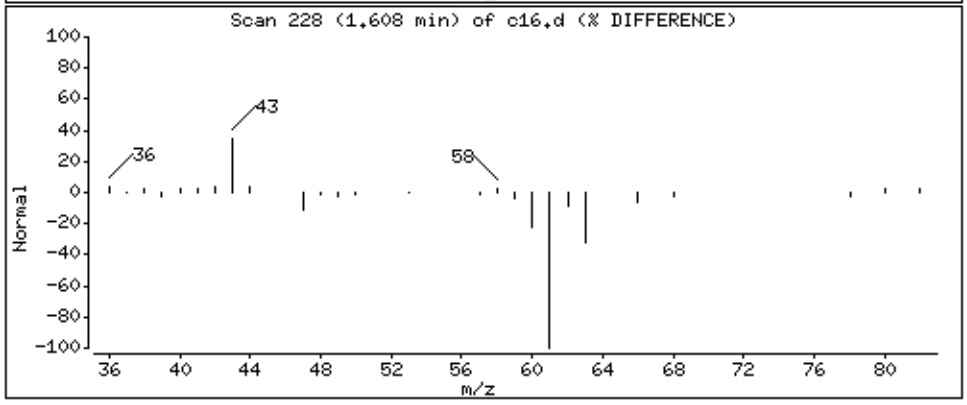












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d

Date : 11-OCT-2016 05:48

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036x5

Purge Volume: 5.0

Operator: jlz

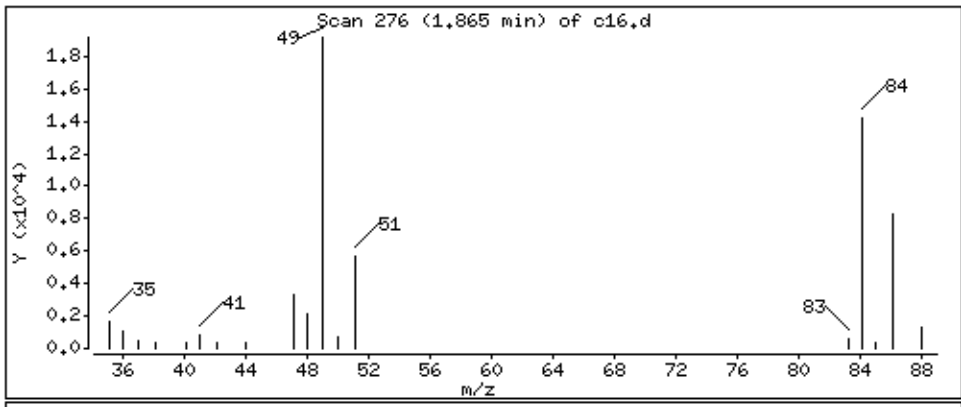
Column phase: DB-624

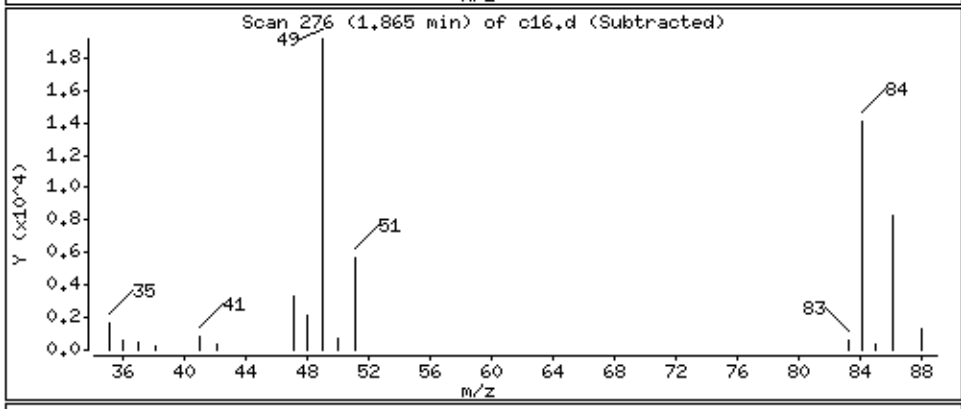
Column diameter: 0.18

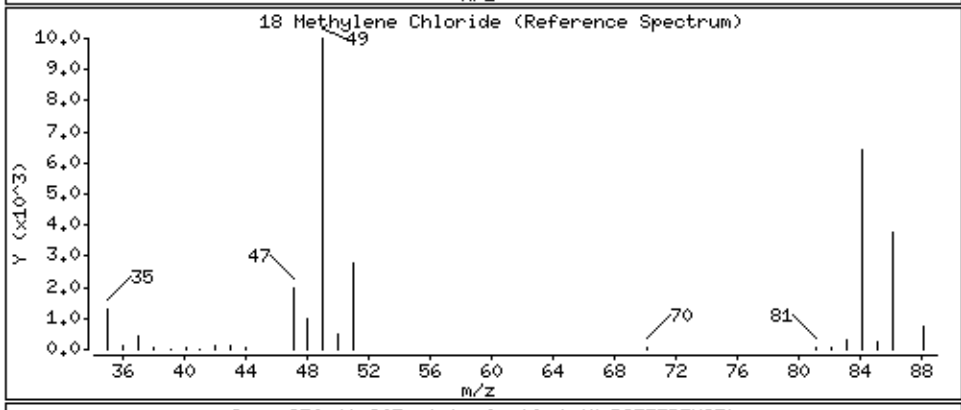
18 Methylene Chloride

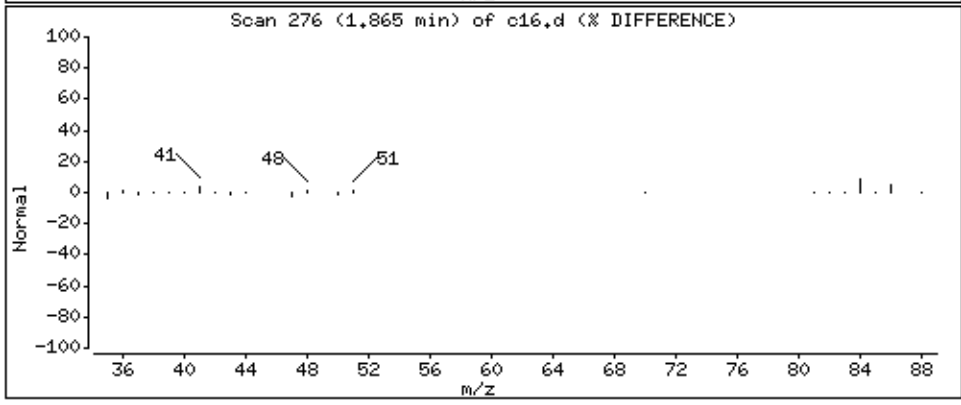
Concentration: 35.3 ppb

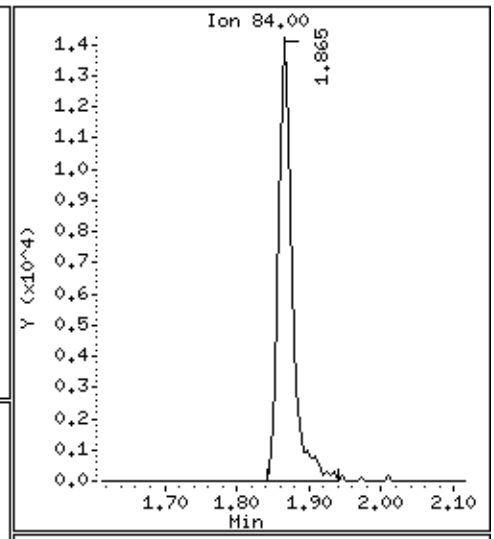
Review Code:

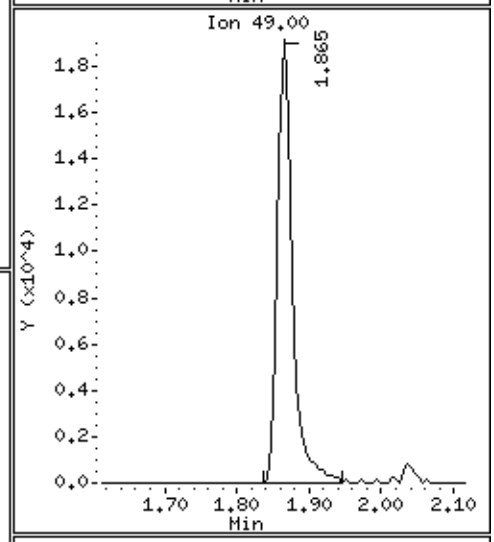


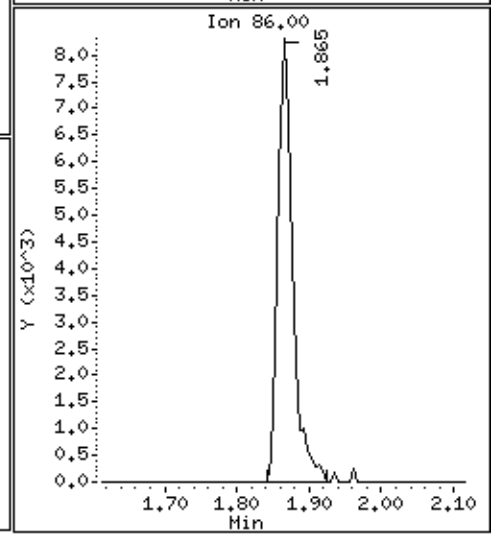












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d

Date : 11-OCT-2016 05:48

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036x5

Purge Volume: 5.0

Operator: jlz

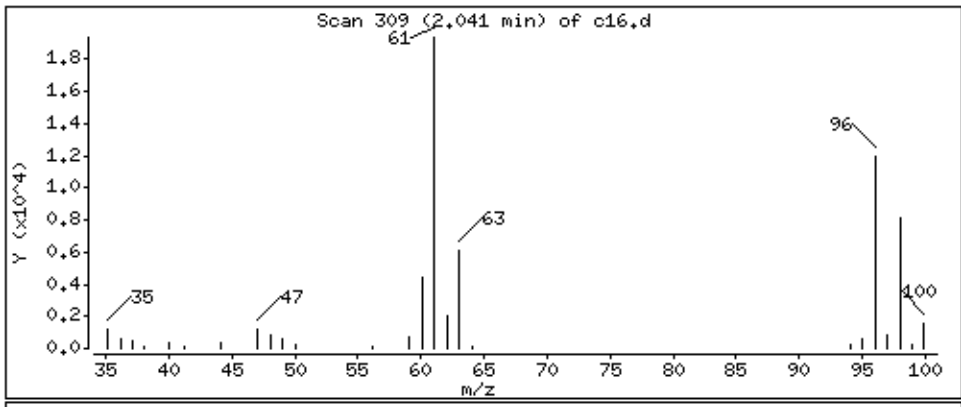
Column phase: DB-624

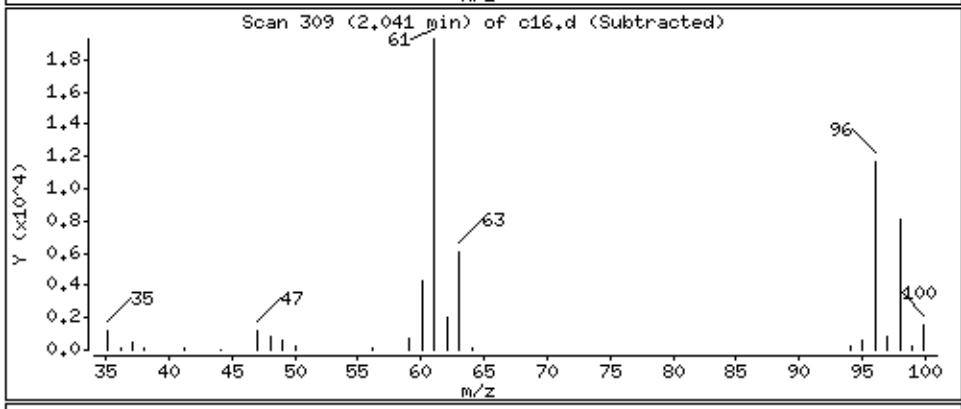
Column diameter: 0.18

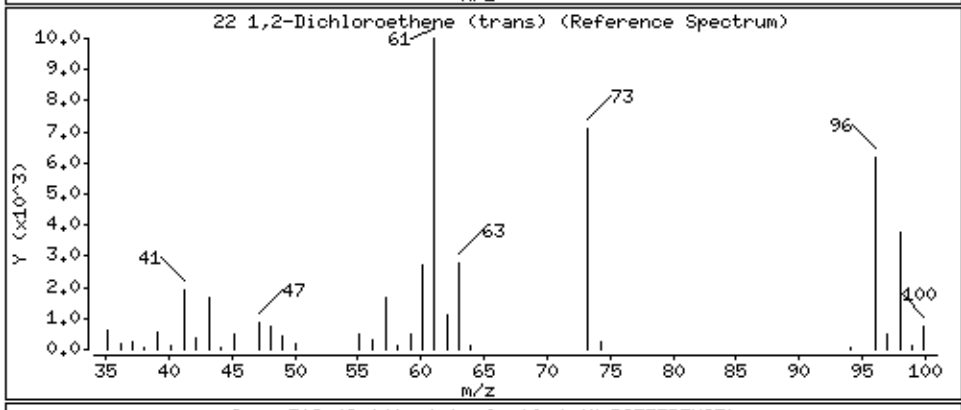
22 1,2-Dichloroethene (trans)

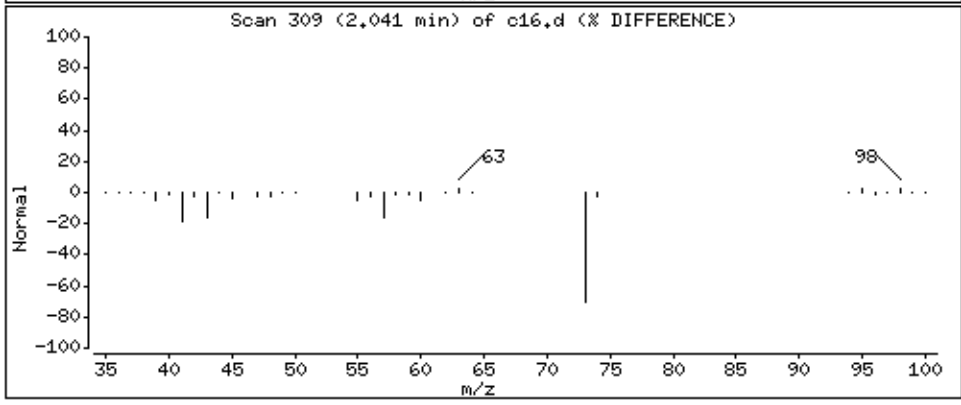
Concentration: 39.2 ppb

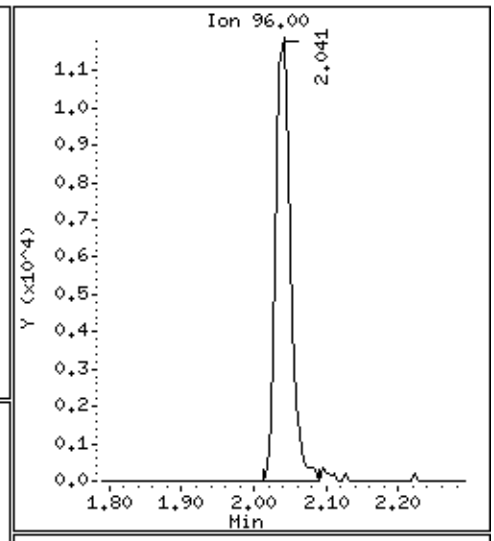
Review Code:

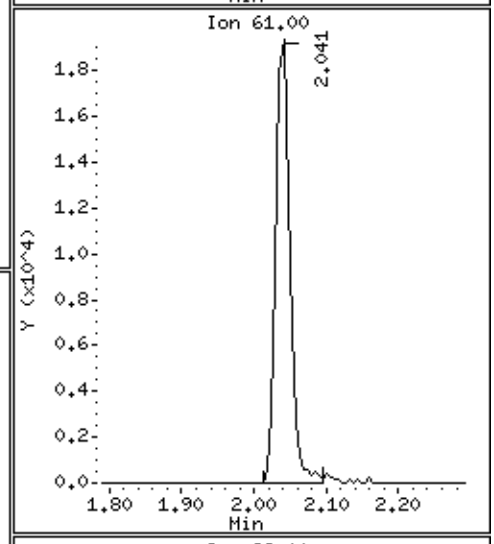


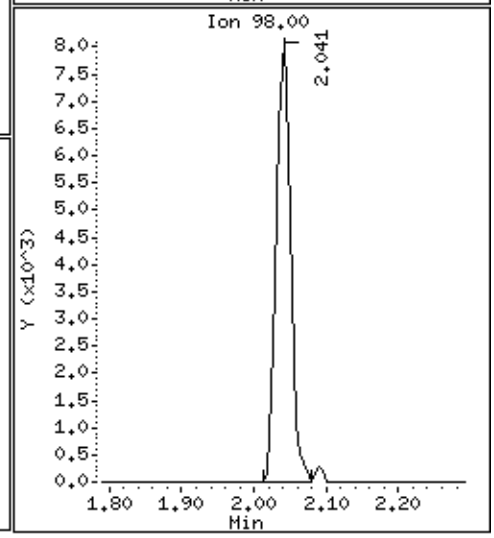












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d

Date : 11-OCT-2016 05:48

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036x5

Purge Volume: 5.0

Operator: jlz

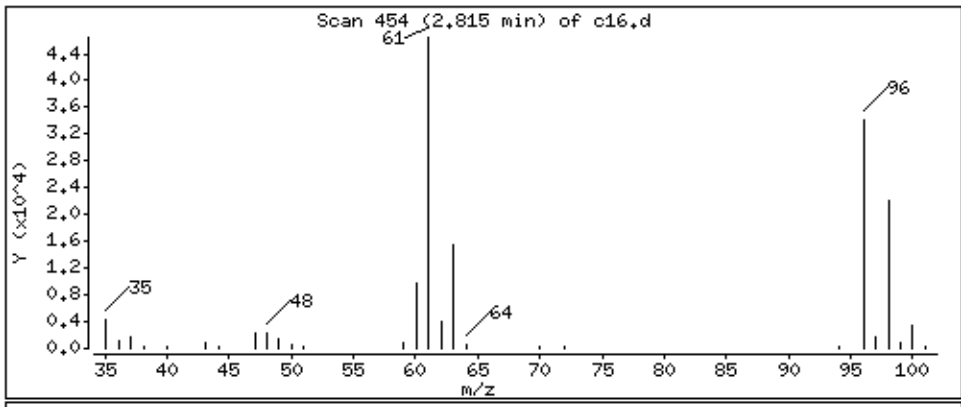
Column phase: DB-624

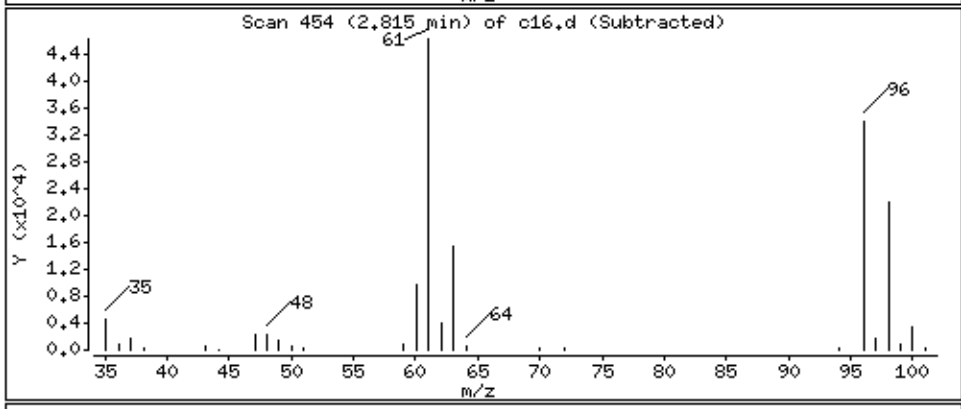
Column diameter: 0.18

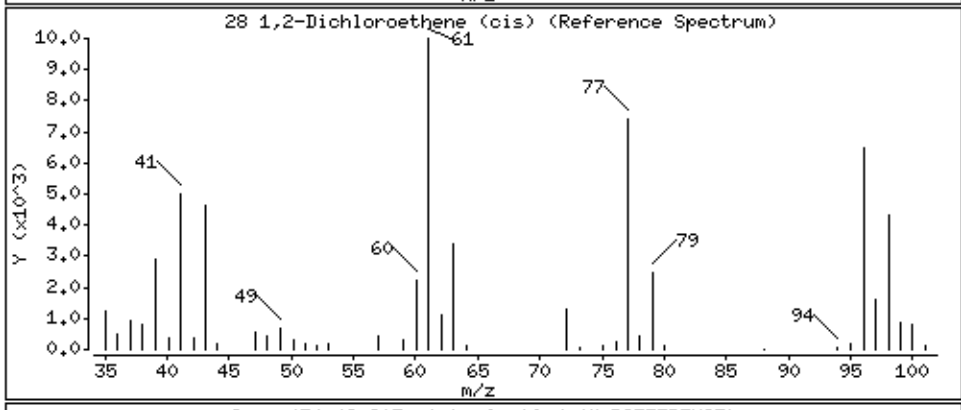
28 1,2-Dichloroethene (cis)

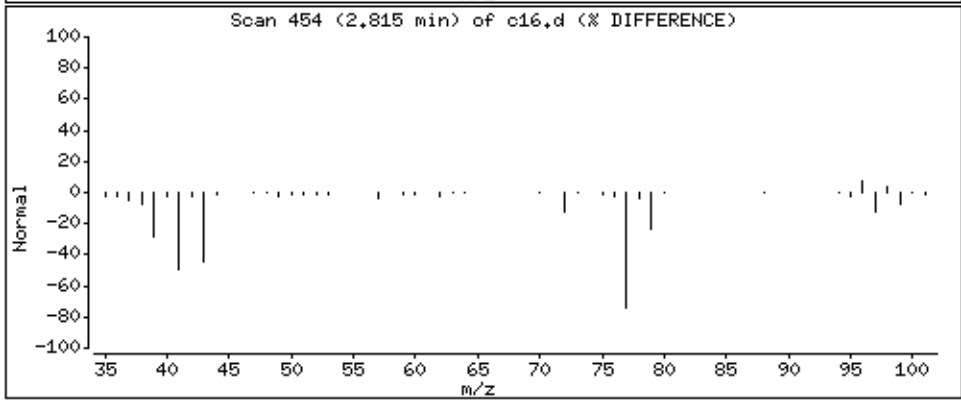
Concentration: 143 ppb

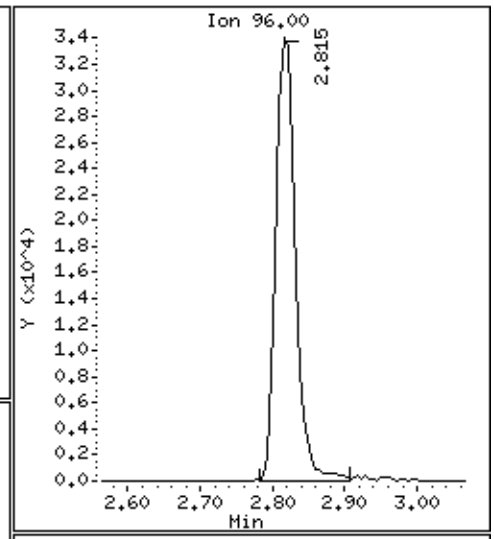
Review Code:

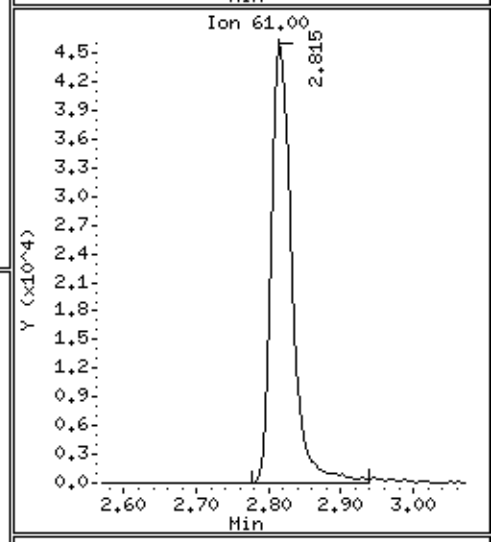


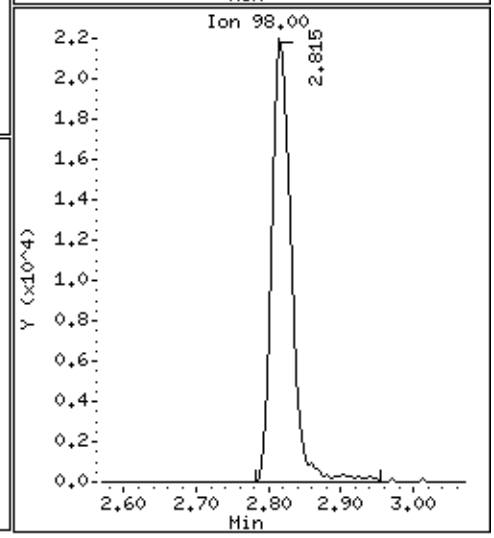












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d

Date : 11-OCT-2016 05:48

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036x5

Purge Volume: 5.0

Operator: jlz

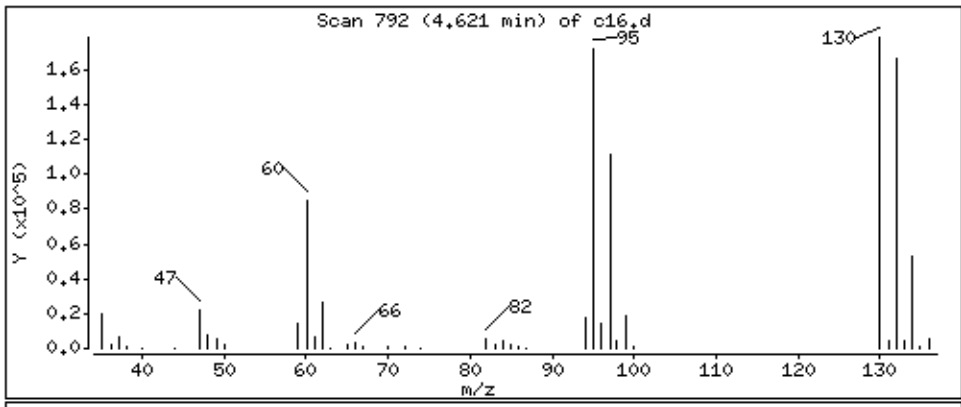
Column phase: DB-624

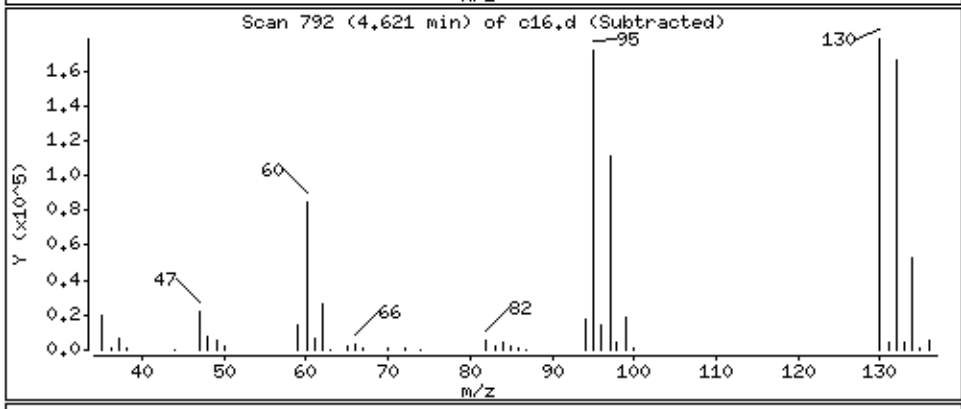
Column diameter: 0.18

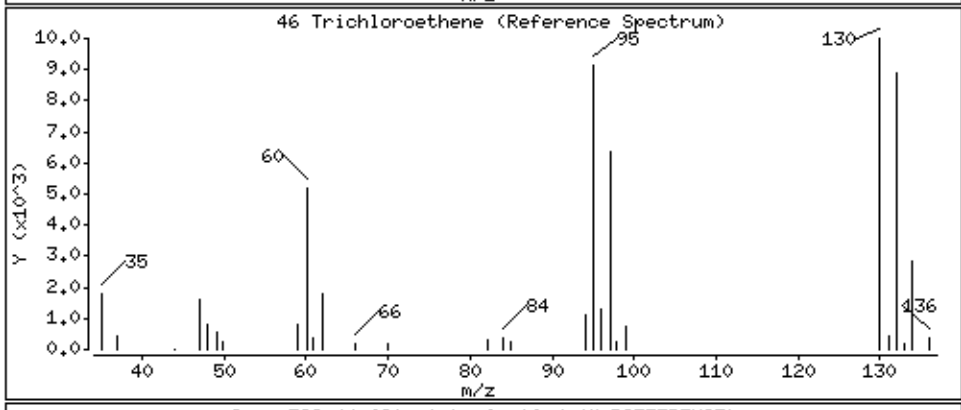
46 Trichloroethene

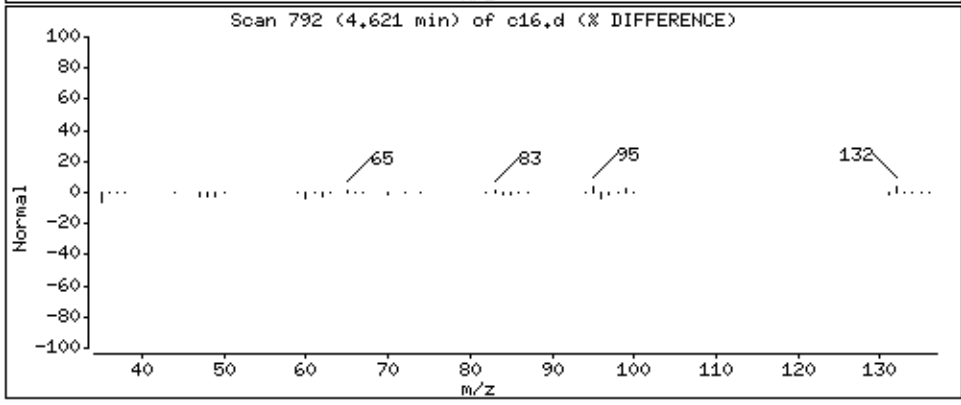
Concentration: 809 ppb

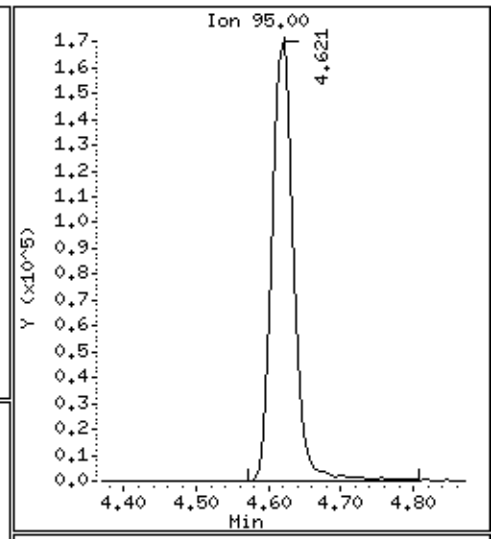
Review Code:

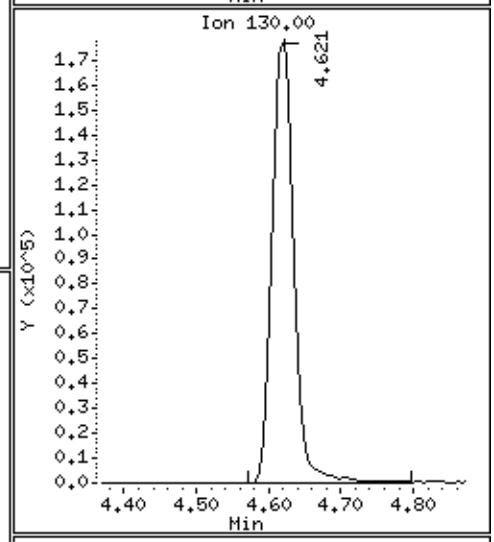


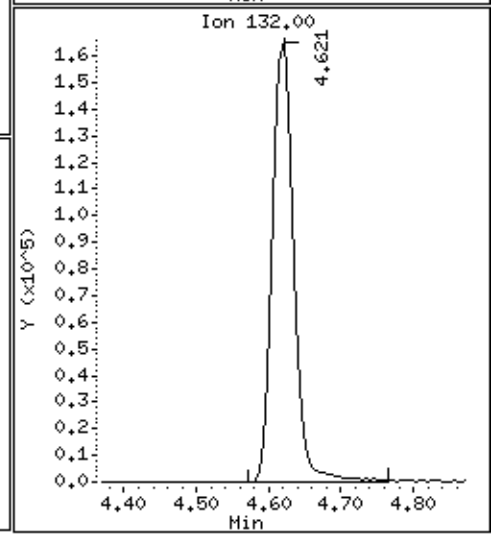












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c16.d

Date : 11-OCT-2016 05:48

Client ID: FD-1(092716)RW

Instrument: 50mv3a.i

Sample Info: 50155366036x5

Purge Volume: 5.0

Operator: jlz

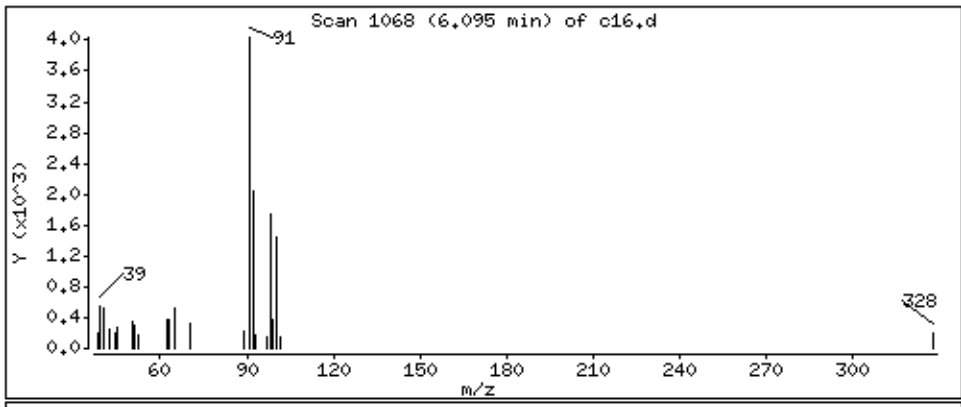
Column phase: DB-624

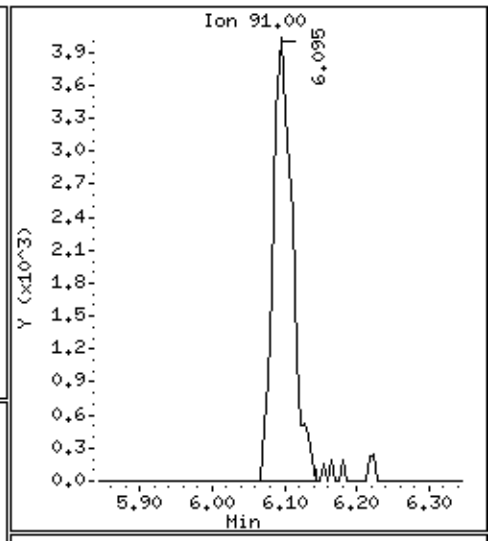
Column diameter: 0.18

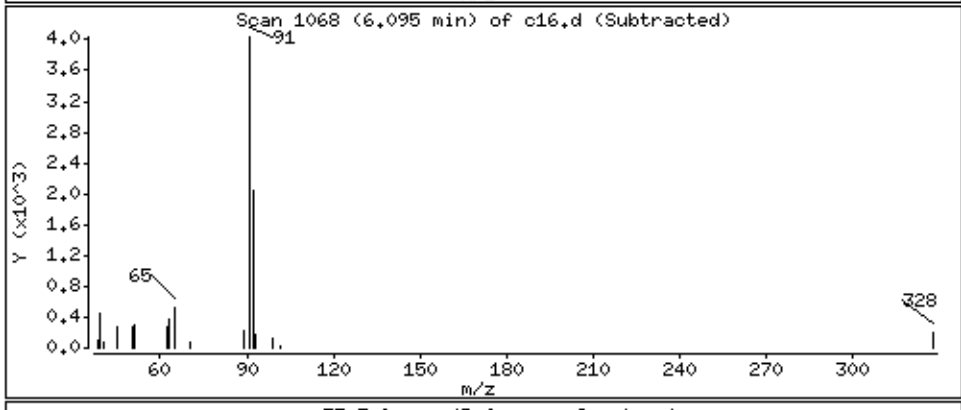
57 Toluene

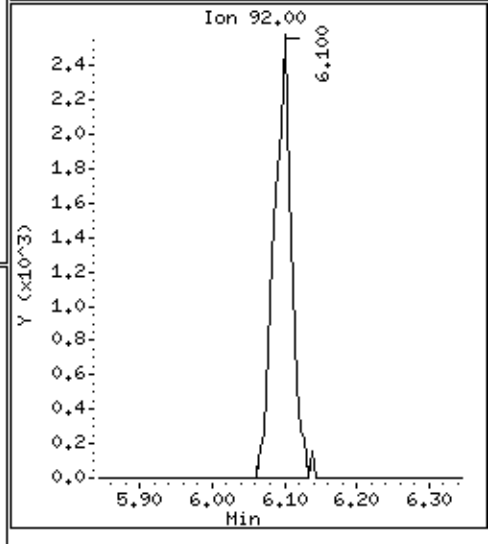
Concentration: 3.64 ppb

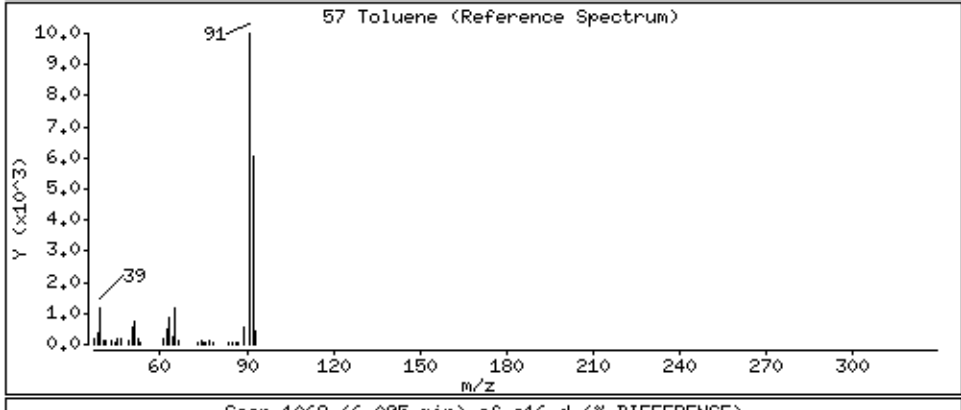
Review Code:

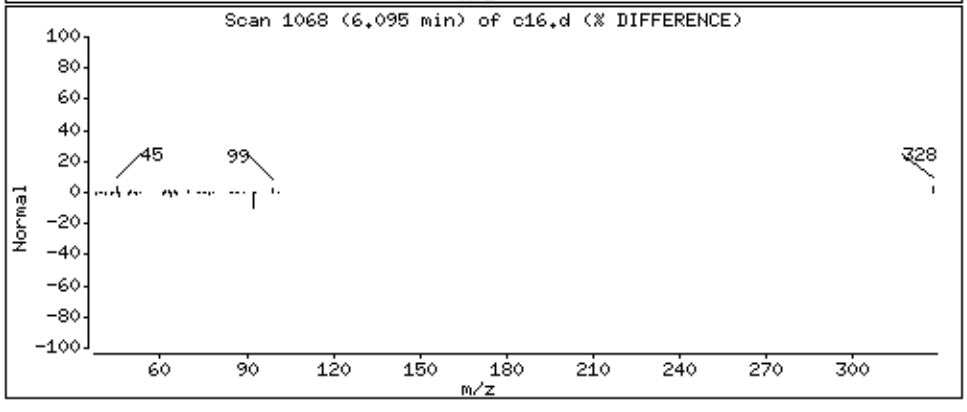












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Injection Date: 11-OCT-2016 05:48
Instrument: 50mv3a.i
Lab Sample ID: 50155366036
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0502-S1(091716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:17 Lab Sample ID: 50155366037

Date Analyzed: 10/07/2016 09:17 Lab File ID: A100616.B\C17.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0502-S1(091716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:17 Lab Sample ID: 50155366037

Date Analyzed: 10/07/2016 09:17 Lab File ID: A100616.B\C17.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d
Lab Smp Id: 50155366037 Client Smp ID: MW-0502-S1(091716)P
Inj Date : 07-OCT-2016 09:17
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366037
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 81
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

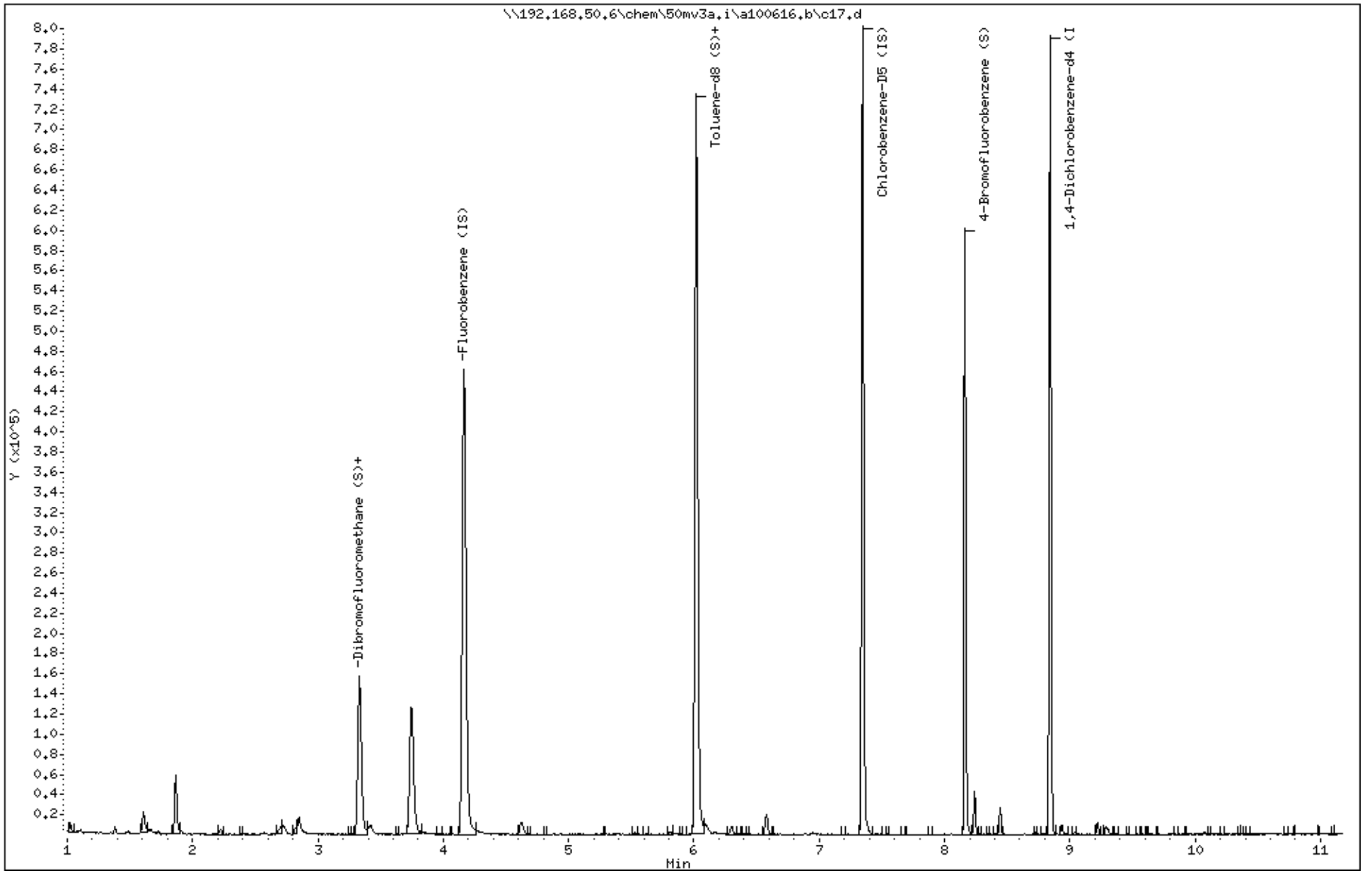
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.608	1.602	(0.386)	24982	58.8949	58.9	
	18 Methylene Chloride	84	1.864	1.864	(0.448)	17341	5.34773	5.35	
	28 1,2-Dichloroethene (cis)	96	2.826	2.815	(0.678)	2015	0.79740	0.797	
$	35 Dibromofluoromethane (S)	113	3.333	3.328	(0.800)	101950	47.7347	47.7	
	37 Cyclohexane	56	3.413	3.418	(0.819)	3932	0.84765	0.848	
*	45 Fluorobenzene (IS)	96	4.166	4.166	(1.000)	472322	50.0000		
	46 Trichloroethene	95	4.626	4.620	(1.110)	4386	1.78286	1.78	
$	56 Toluene-d8 (S)	98	6.020	6.020	(0.820)	444832	46.4708	46.5	
	57 Toluene	91	6.094	6.089	(0.830)	4478	0.39404	0.394	
*	66 Chlorobenzene-D5 (IS)	117	7.344	7.344	(1.000)	308713	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.161	8.161	(1.111)	136372	49.5446	49.5	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.840	(1.000)	127451	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d
Date : 07-OCT-2016 09:17
Client ID: MW-0502-S1(091716)P
Instrument: 50mv3a.i
Sample Info: 50155366037
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d

Date : 07-OCT-2016 09:17

Client ID: MW-0502-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366037

Purge Volume: 5.0

Operator: jlz

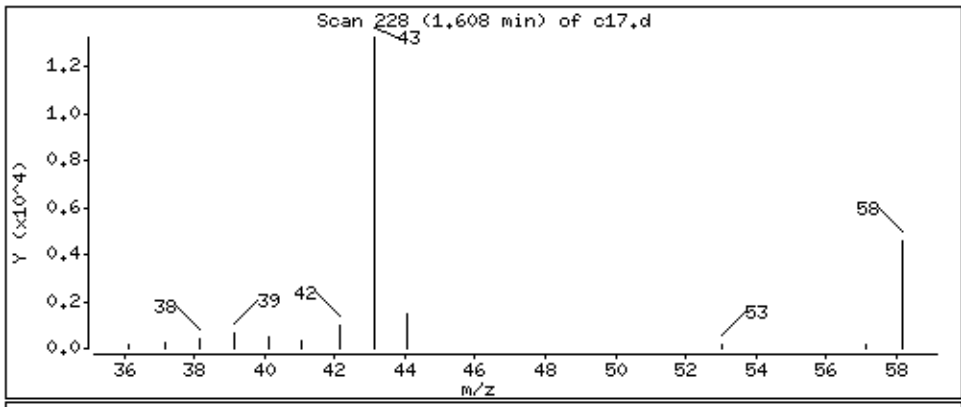
Column phase: DB-624

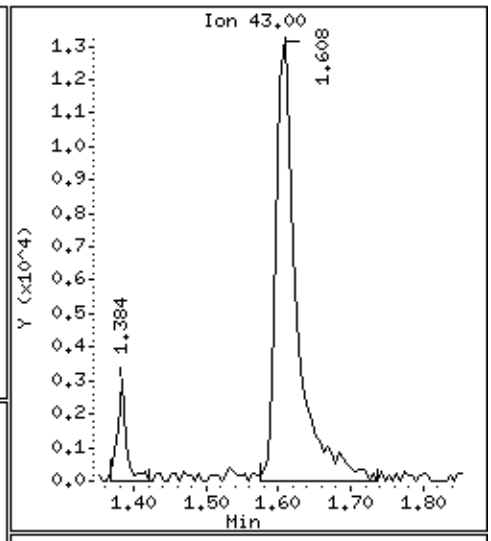
Column diameter: 0.18

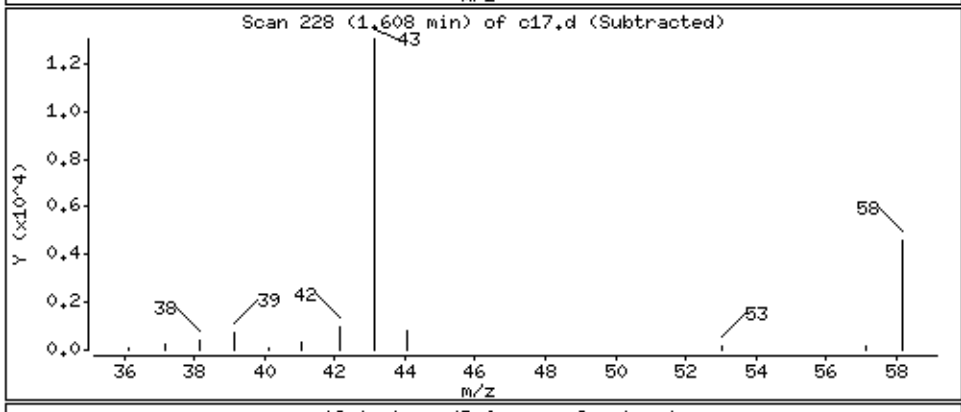
12 Acetone

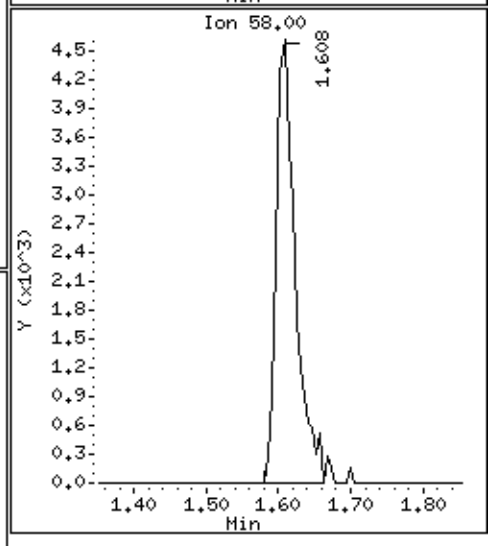
Concentration: 58.9 ppb

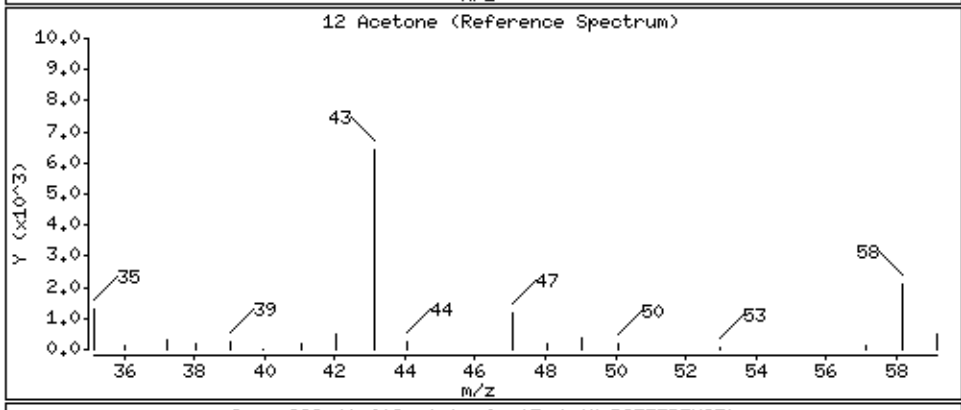
Review Code:

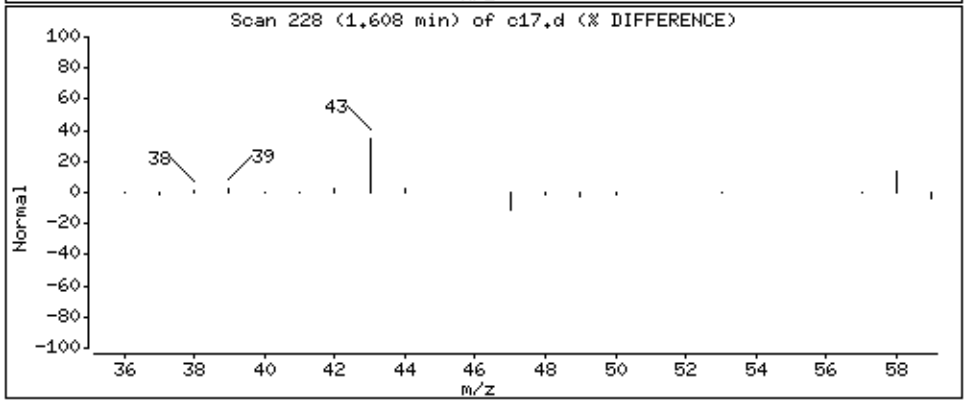












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d

Date : 07-OCT-2016 09:17

Client ID: MW-0502-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366037

Purge Volume: 5.0

Operator: jlz

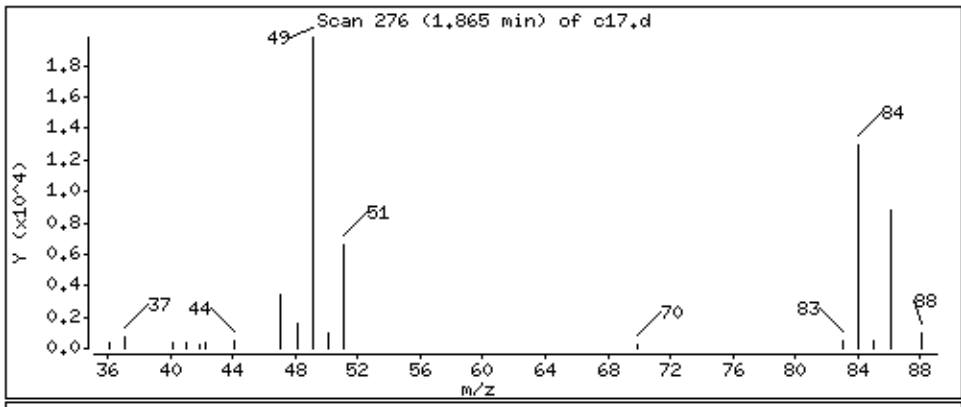
Column phase: DB-624

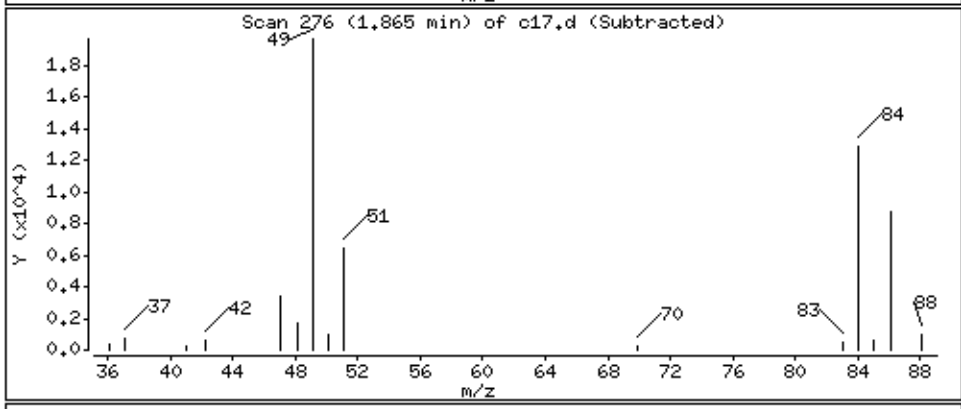
Column diameter: 0.18

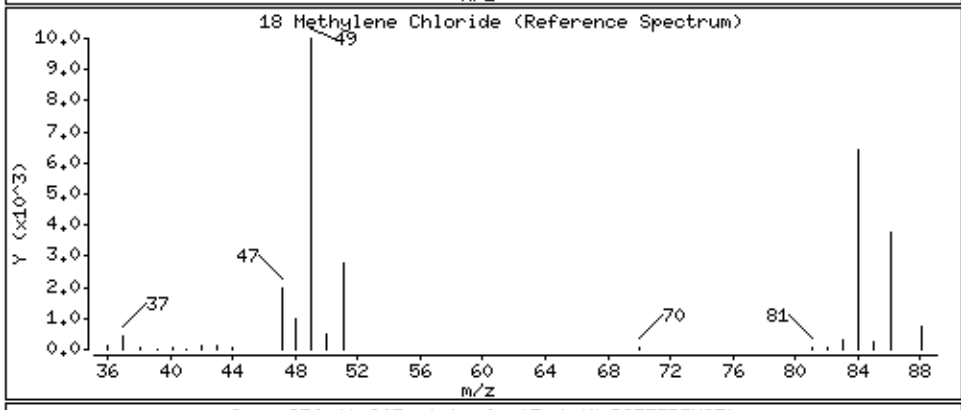
18 Methylene Chloride

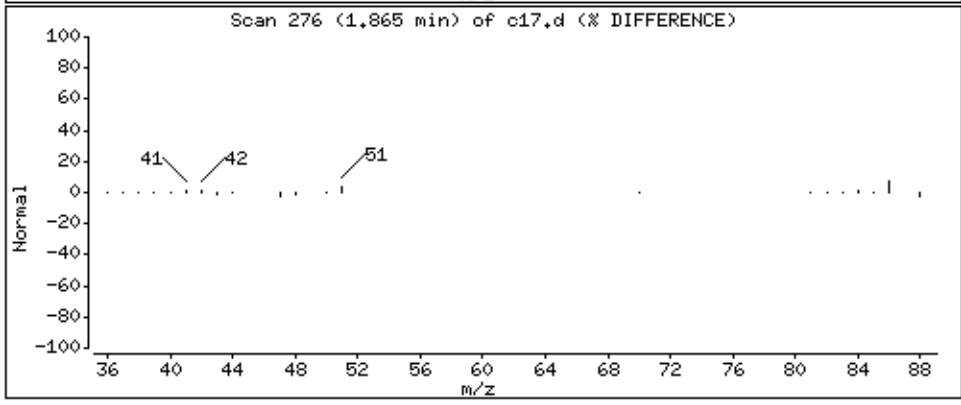
Concentration: 5.35 ppb

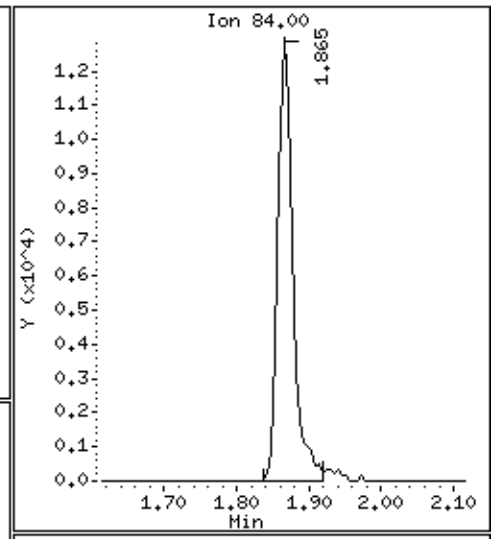
Review Code:

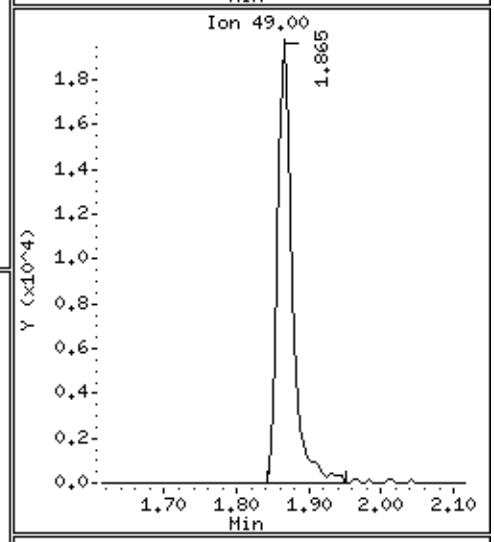


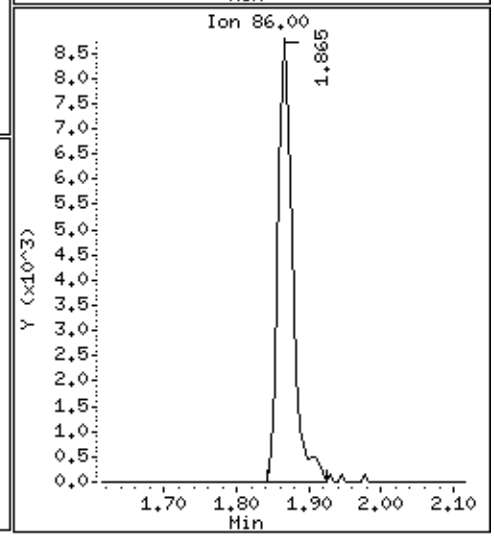












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d

Date : 07-OCT-2016 09:17

Client ID: MW-0502-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366037

Purge Volume: 5.0

Operator: jlz

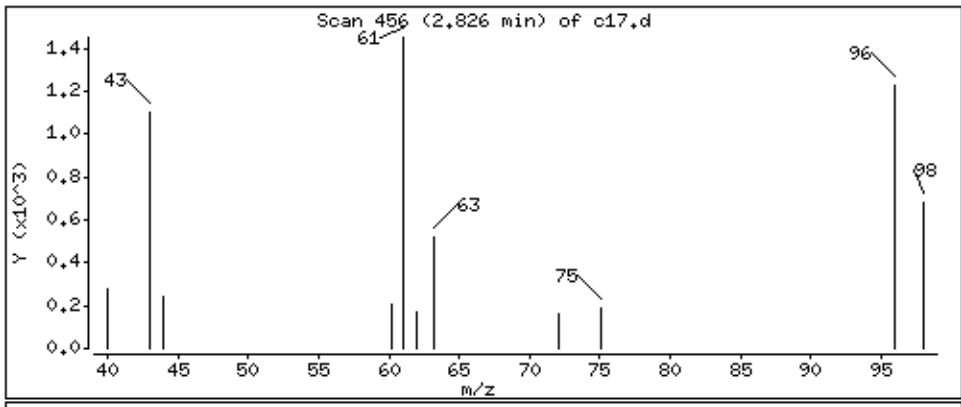
Column phase: DB-624

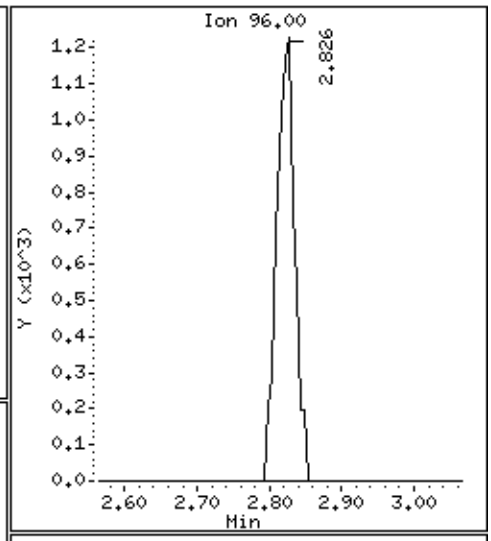
Column diameter: 0.18

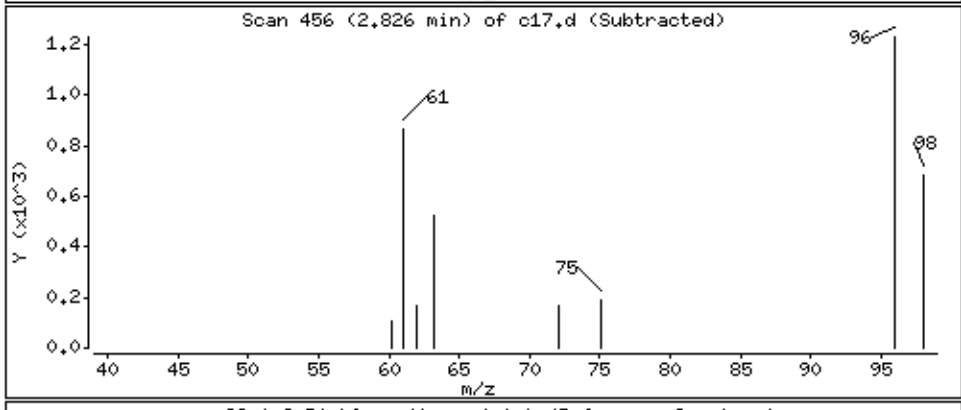
28 1,2-Dichloroethene (cis)

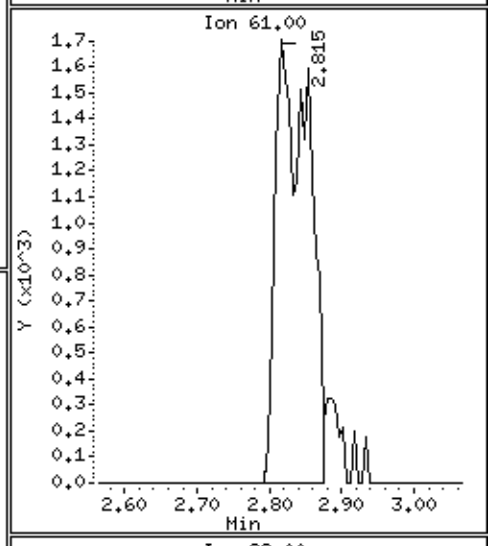
Concentration: 0.797 ppb

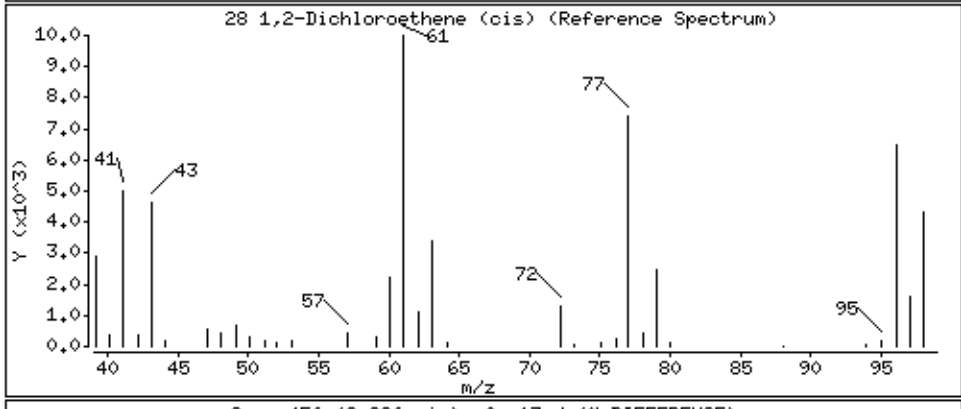
Review Code:

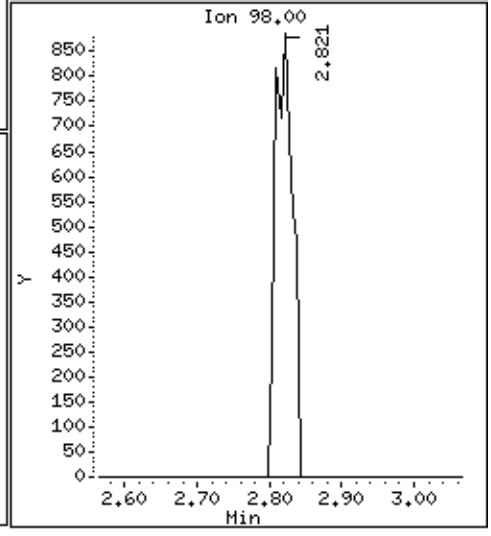


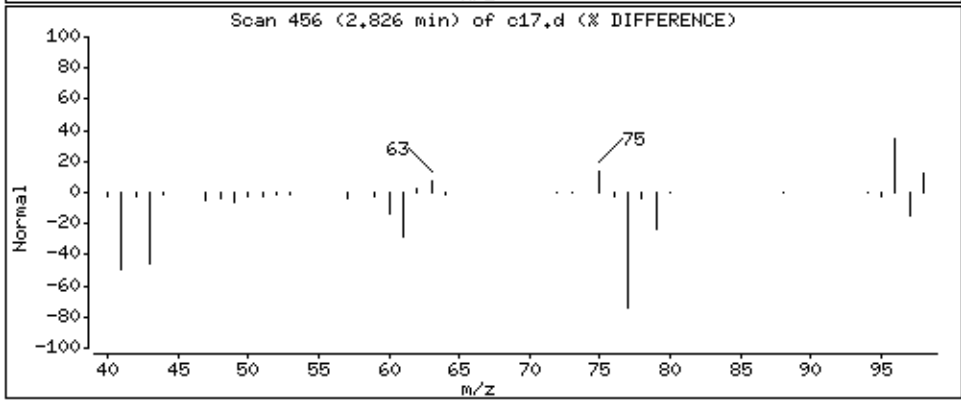












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d

Date : 07-OCT-2016 09:17

Client ID: MW-0502-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366037

Purge Volume: 5.0

Operator: jlz

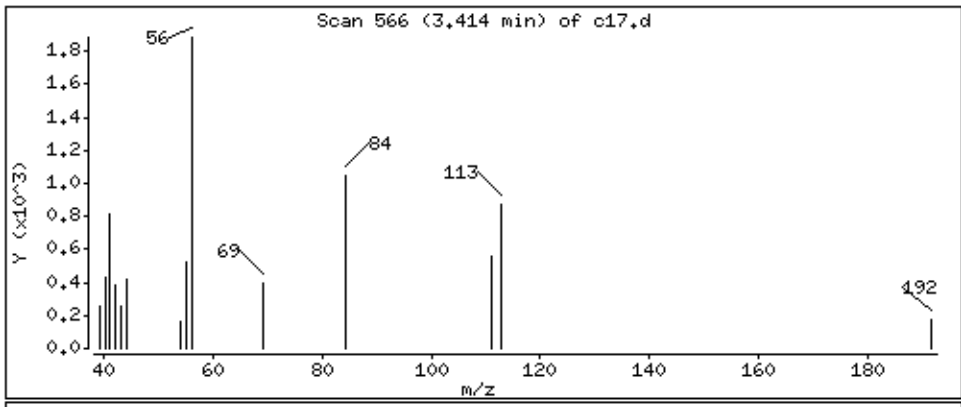
Column phase: DB-624

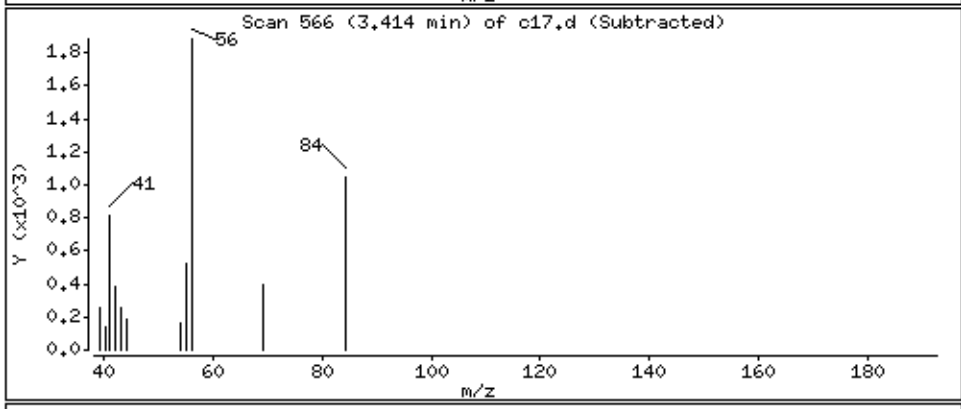
Column diameter: 0.18

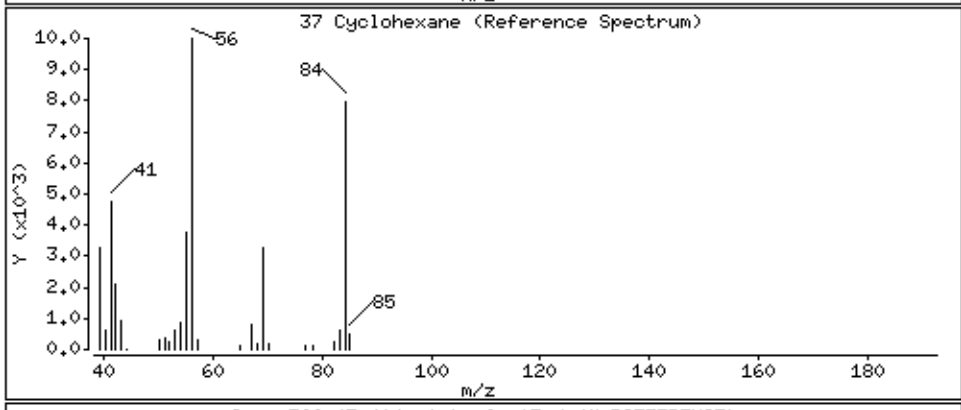
37 Cyclohexane

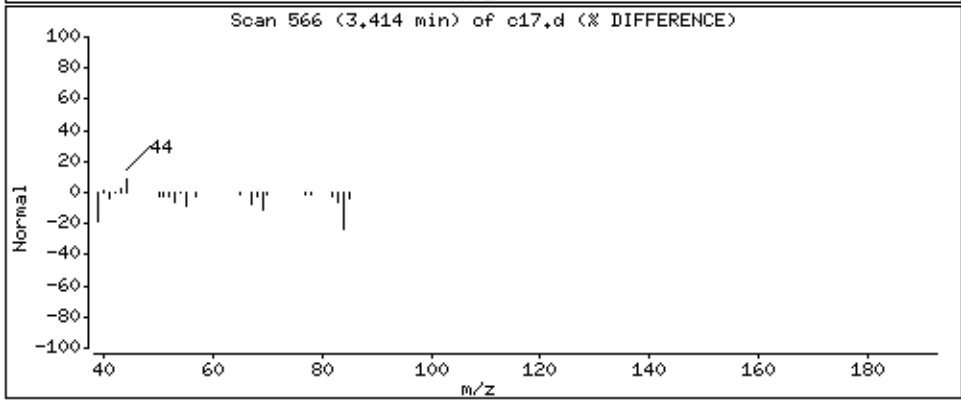
Concentration: 0.848 ppb

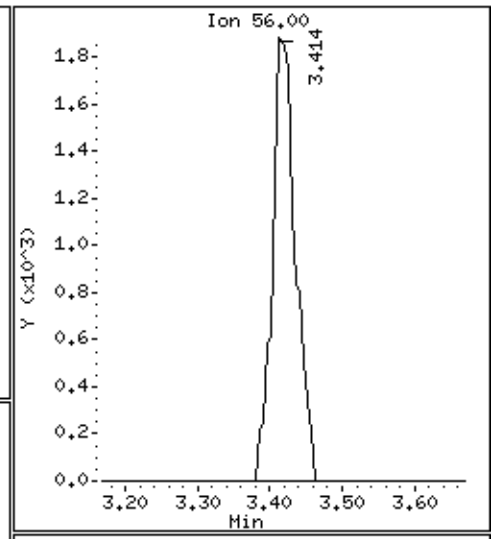
Review Code:

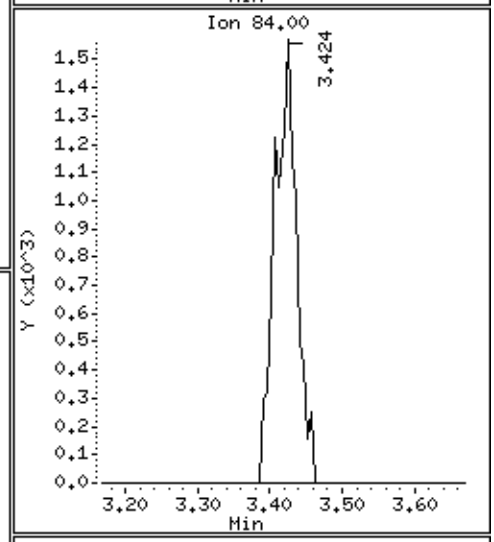


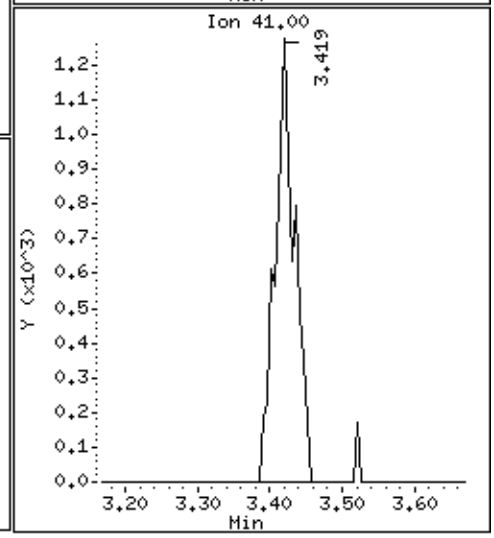












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d

Date : 07-OCT-2016 09:17

Client ID: MW-0502-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366037

Purge Volume: 5.0

Operator: jlz

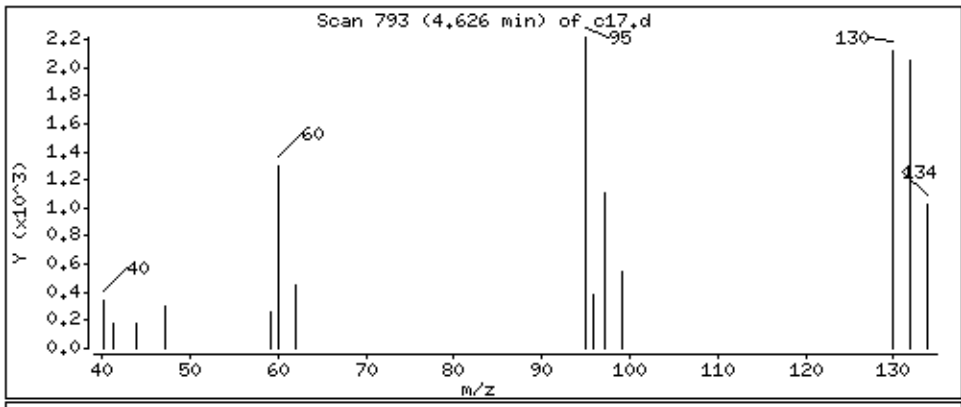
Column phase: DB-624

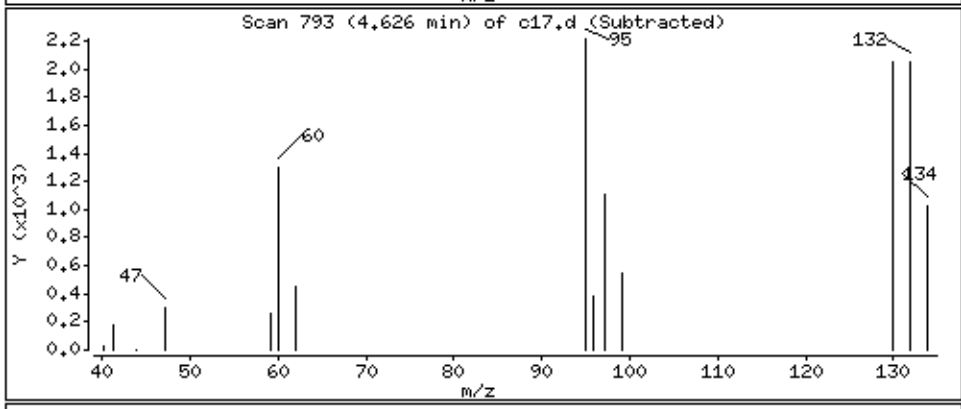
Column diameter: 0.18

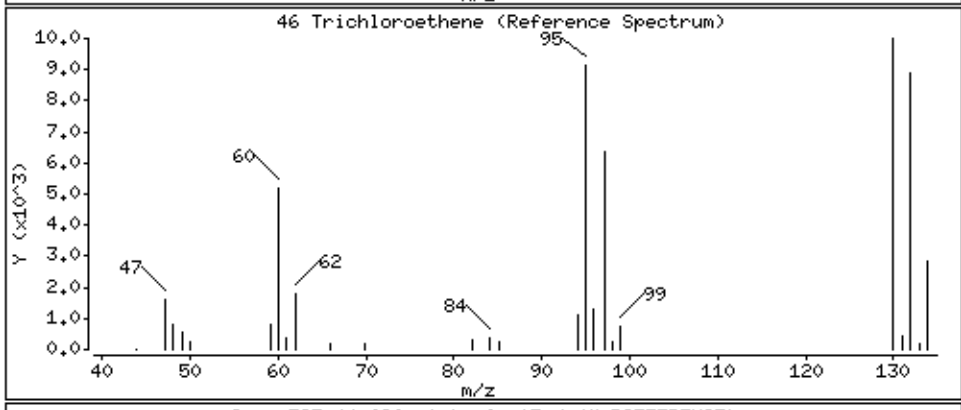
46 Trichloroethene

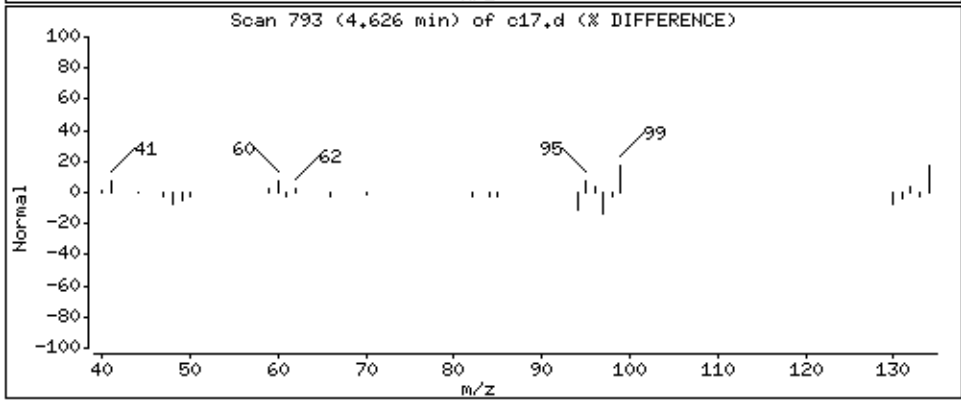
Concentration: 1.78 ppb

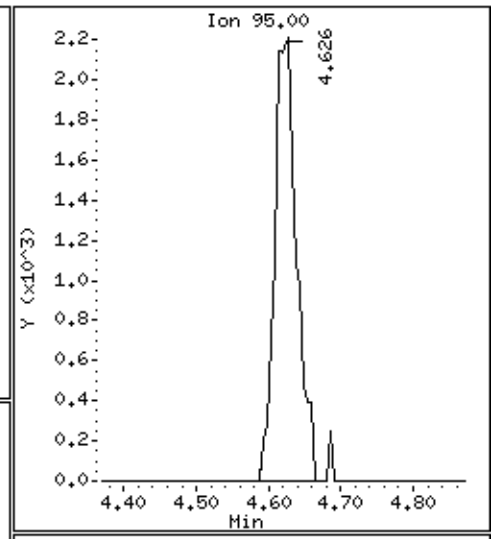
Review Code:

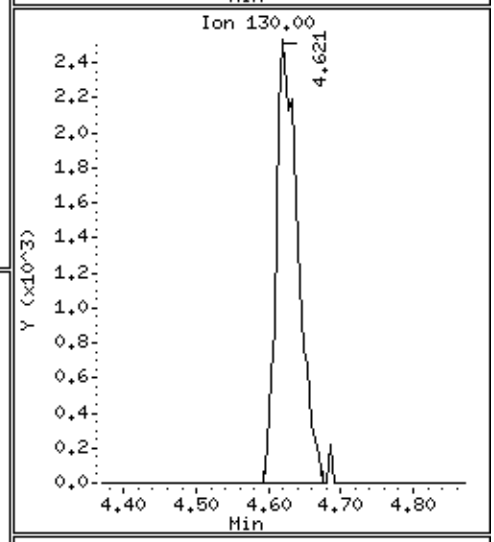


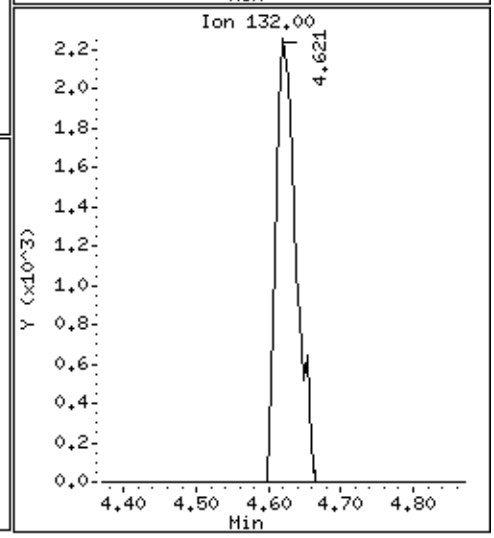












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c17.d

Date : 07-OCT-2016 09:17

Client ID: MW-0502-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366037

Purge Volume: 5.0

Operator: jlz

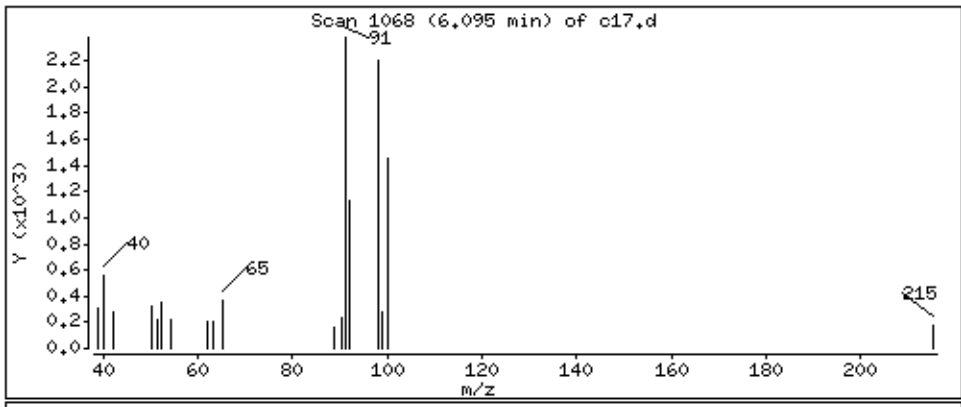
Column phase: DB-624

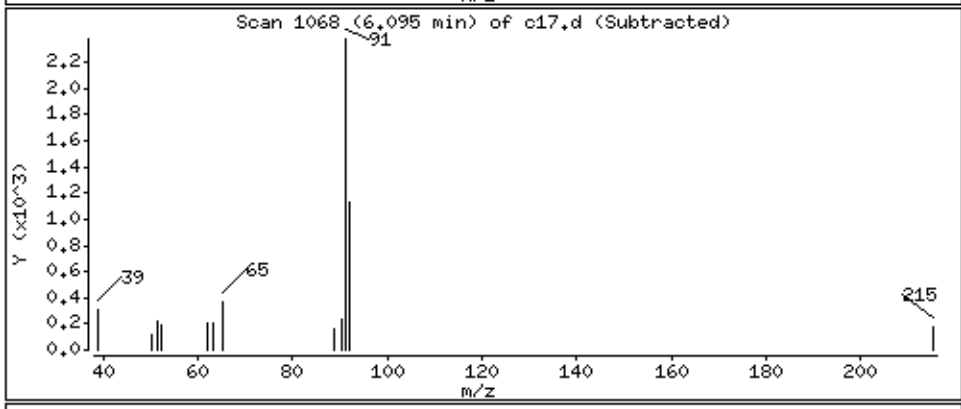
Column diameter: 0.18

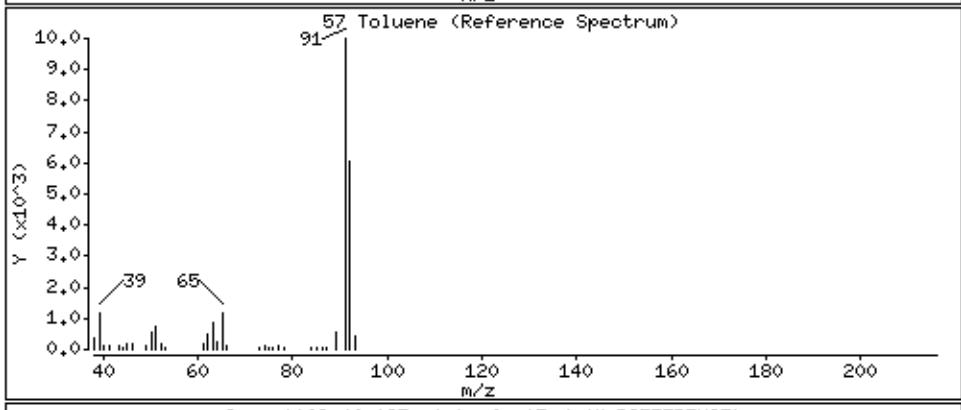
57 Toluene

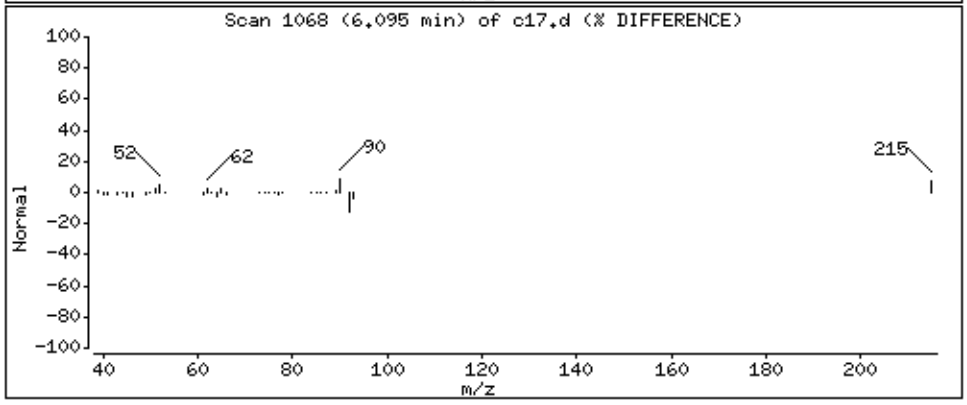
Concentration: 0.394 ppb

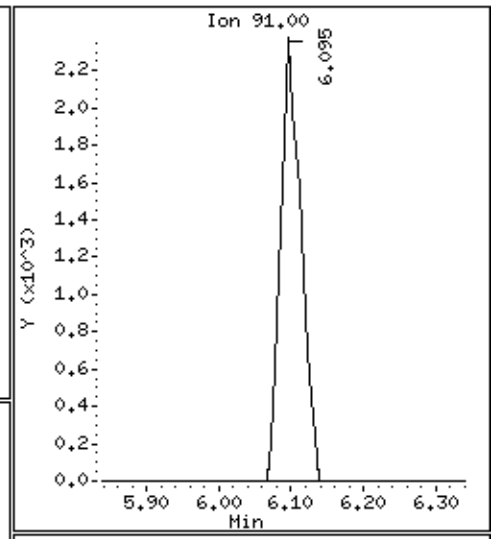
Review Code:

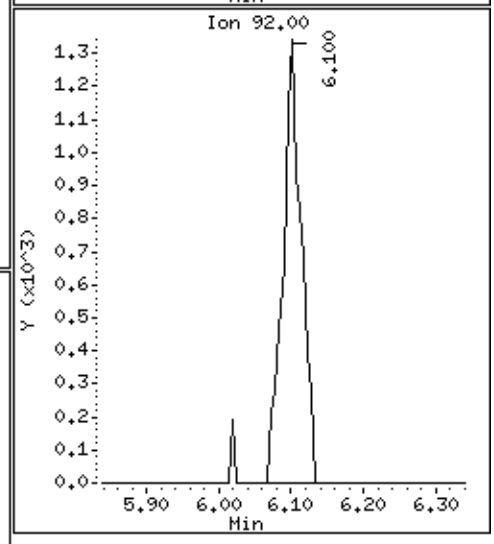












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c17.d
Injection Date: 07-OCT-2016 09:17
Instrument: 50mv3a.i
Lab Sample ID: 50155366037
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0516-S1(091716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:49 Lab Sample ID: 50155366038

Date Analyzed: 10/07/2016 09:49 Lab File ID: A100616.B\C18.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0516-S1(091716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:49 Lab Sample ID: 50155366038

Date Analyzed: 10/07/2016 09:49 Lab File ID: A100616.B\C18.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c18.d
Lab Smp Id: 50155366038 Client Smp ID: MW-0516-S1(091716)P
Inj Date : 07-OCT-2016 09:49
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 50155366038
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 83
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

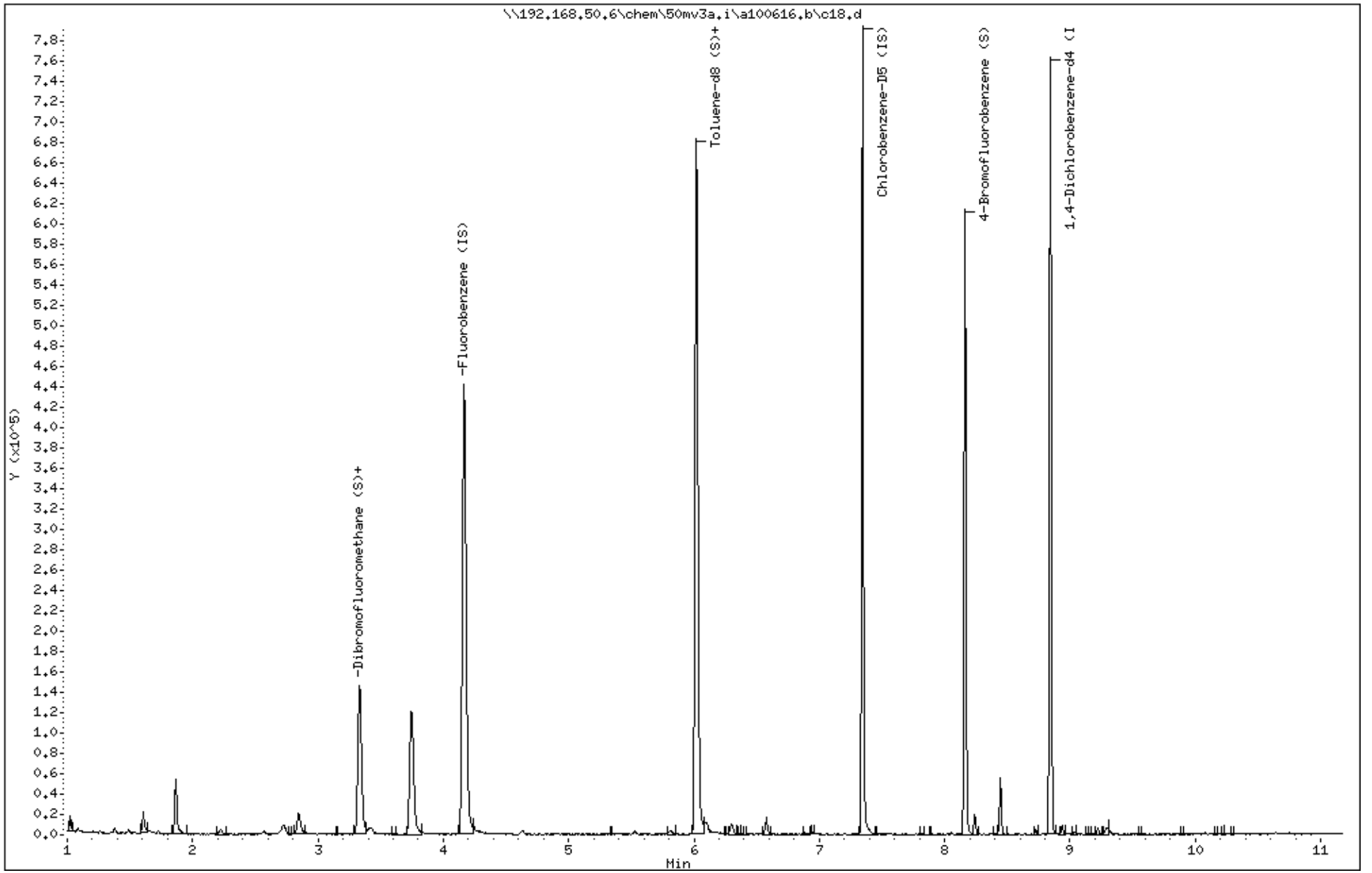
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.606	1.602	(0.386)	23557	59.1264	59.1	
	18 Methylene Chloride	84	1.863	1.864	(0.447)	15404	4.87527	4.88	
$	35 Dibromofluoromethane (S)	113	3.331	3.328	(0.800)	98415	49.0591	49.0	
	37 Cyclohexane	56	3.417	3.418	(0.820)	3015	0.69199	0.692	
*	45 Fluorobenzene (IS)	96	4.165	4.166	(1.000)	443636	50.0000		
	46 Trichloroethene	95	4.629	4.620	(1.112)	1455	0.62968	0.630	
$	56 Toluene-d8 (S)	98	6.018	6.020	(0.820)	424864	45.5881	45.6	
	57 Toluene	91	6.098	6.089	(0.831)	5000	0.45190	0.452	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.344	(1.000)	300564	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.165	8.161	(1.112)	137196	51.1953	51.2	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.840	(1.000)	130395	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c18.d
Date : 07-OCT-2016 09:49
Client ID: MW-0516-S1(091716)P
Sample Info: 50155366038
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Date : 07-OCT-2016 09:49

Client ID: MW-0516-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366038

Purge Volume: 5.0

Operator: jlz

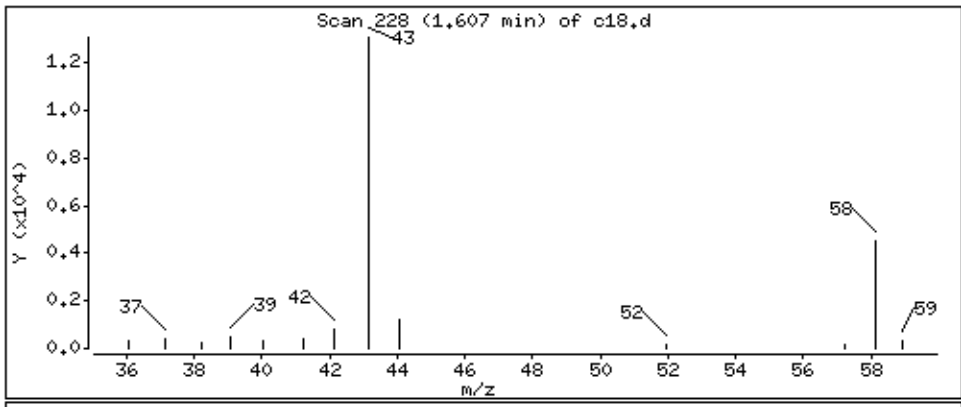
Column phase: DB-624

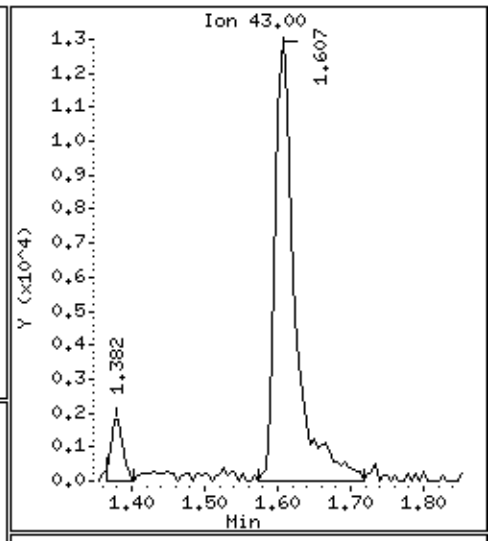
Column diameter: 0.18

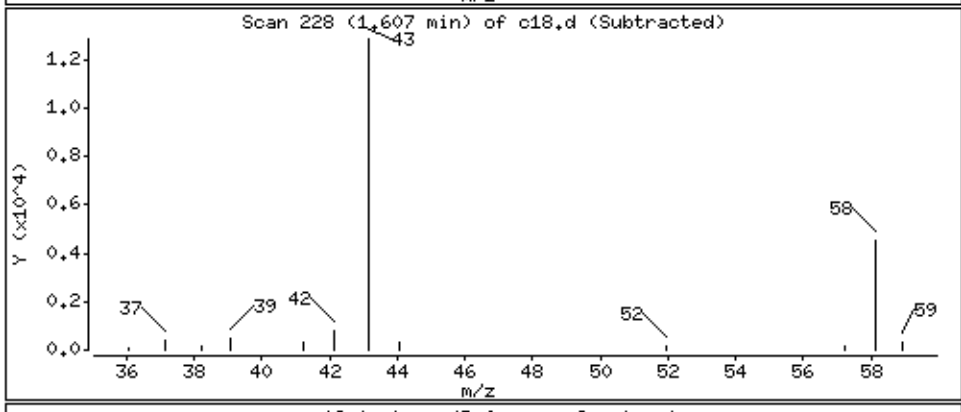
12 Acetone

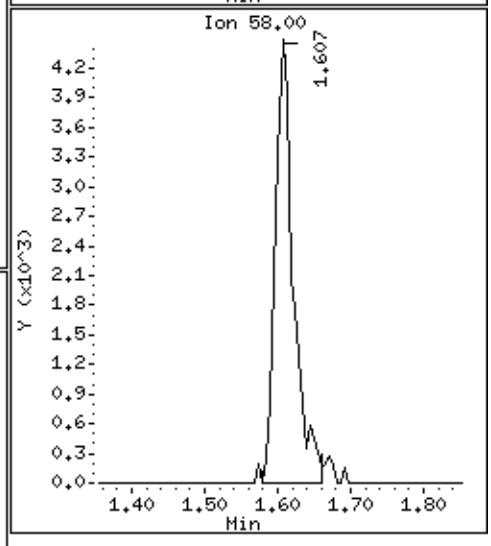
Concentration: 59.1 ppb

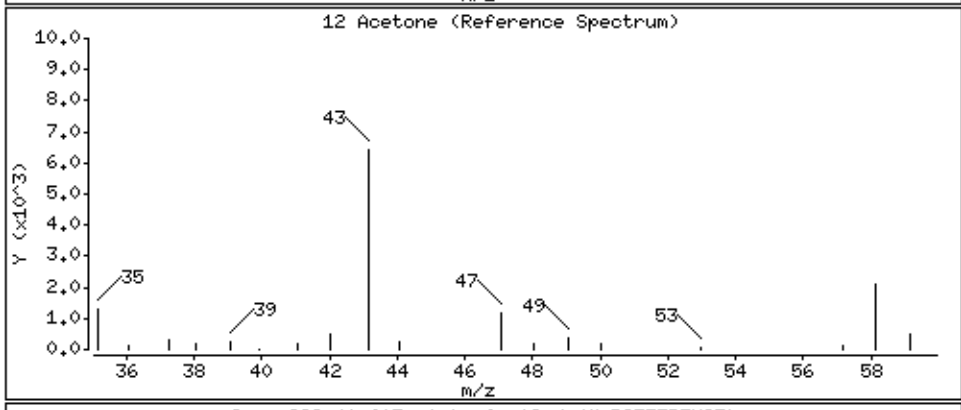
Review Code:

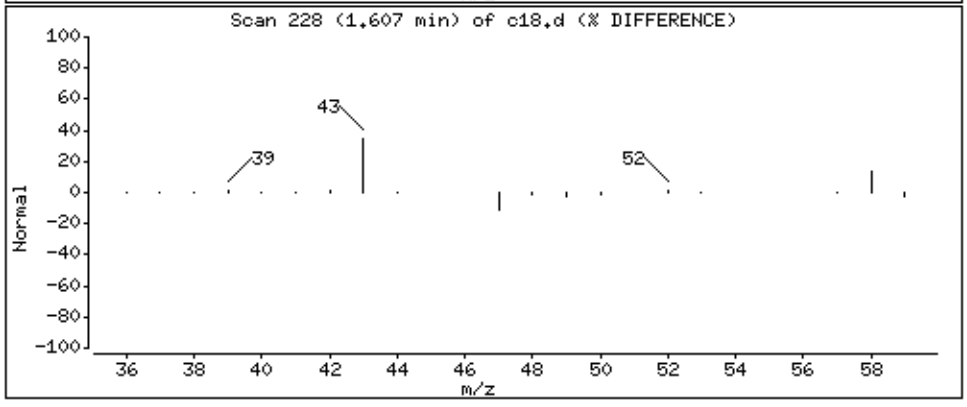












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Date : 07-OCT-2016 09:49

Client ID: MW-0516-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366038

Purge Volume: 5.0

Operator: jlz

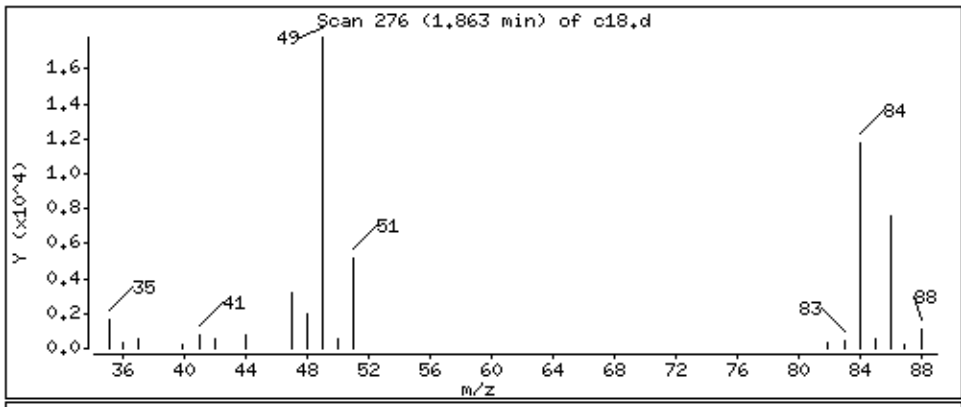
Column phase: DB-624

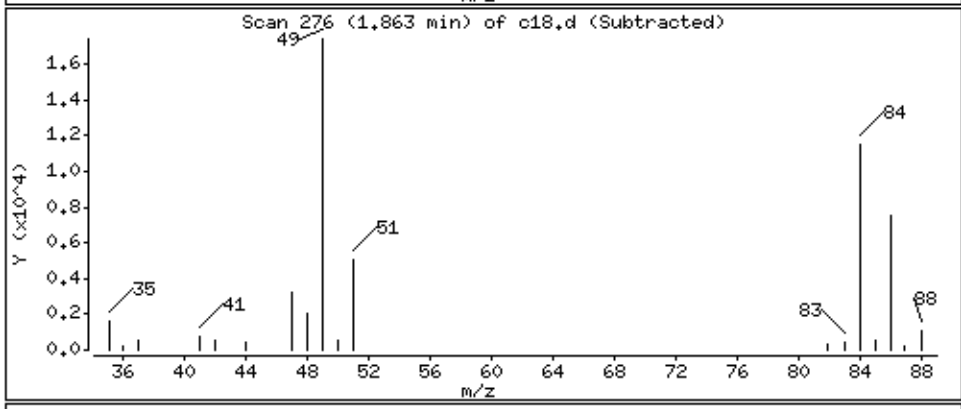
Column diameter: 0.18

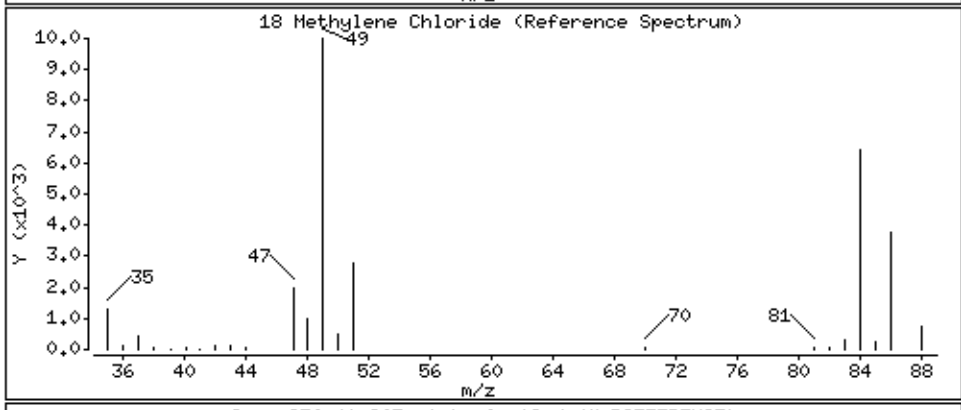
18 Methylene Chloride

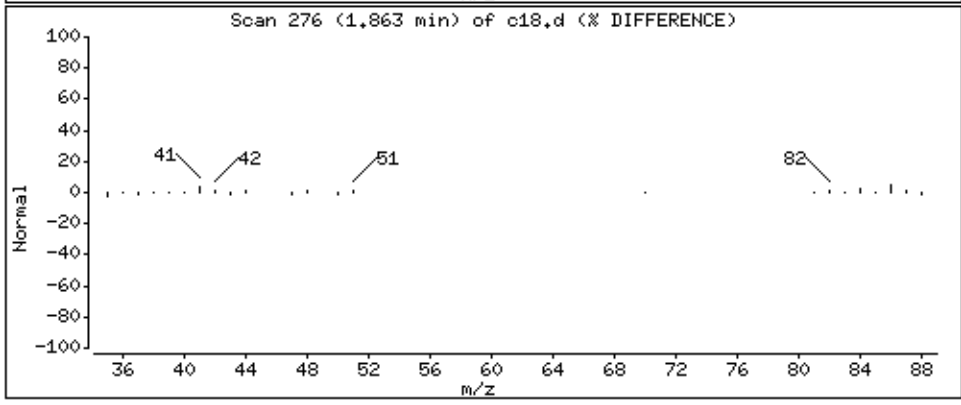
Concentration: 4.88 ppb

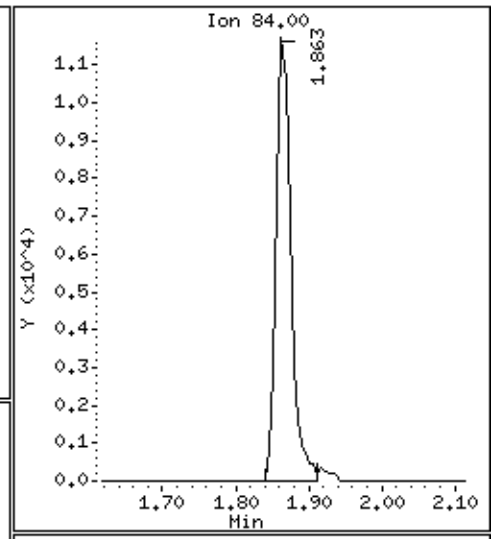
Review Code:

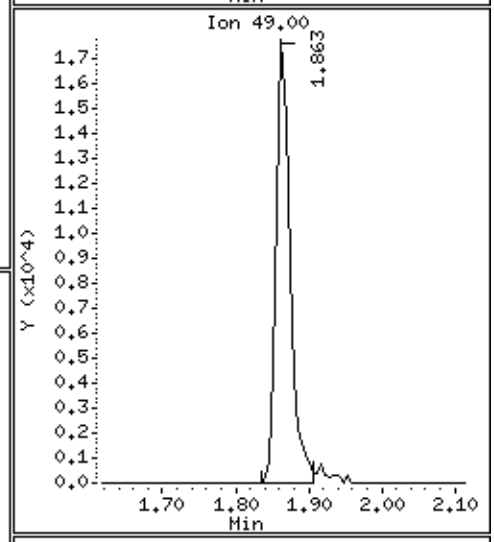


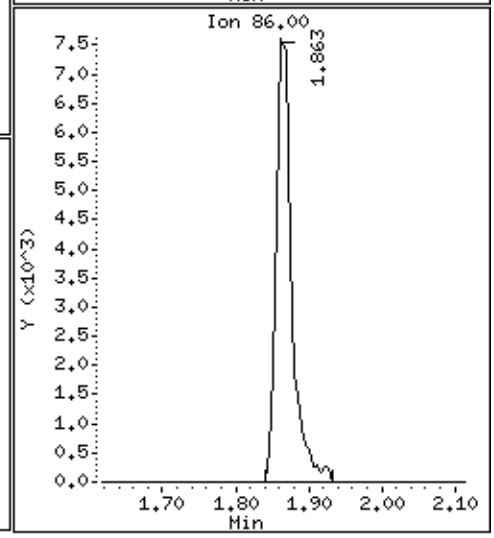












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c18.d

Page 5

Date : 07-OCT-2016 09:49

Client ID: MW-0516-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366038

Purge Volume: 5.0

Operator: jlz

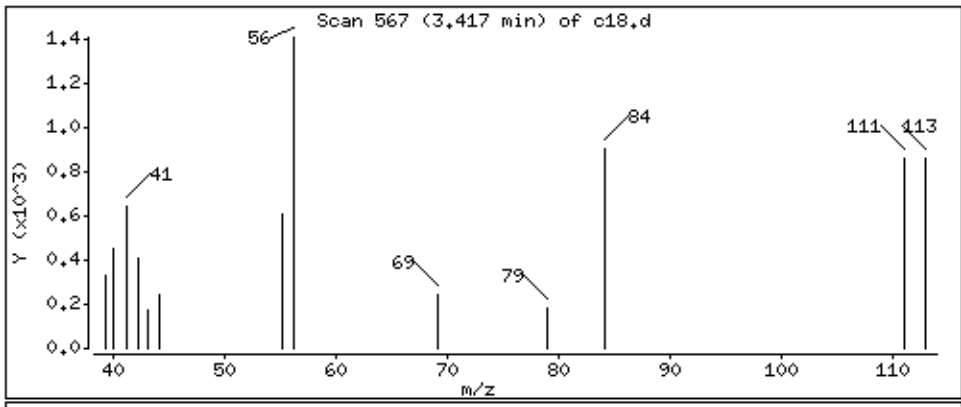
Column phase: DB-624

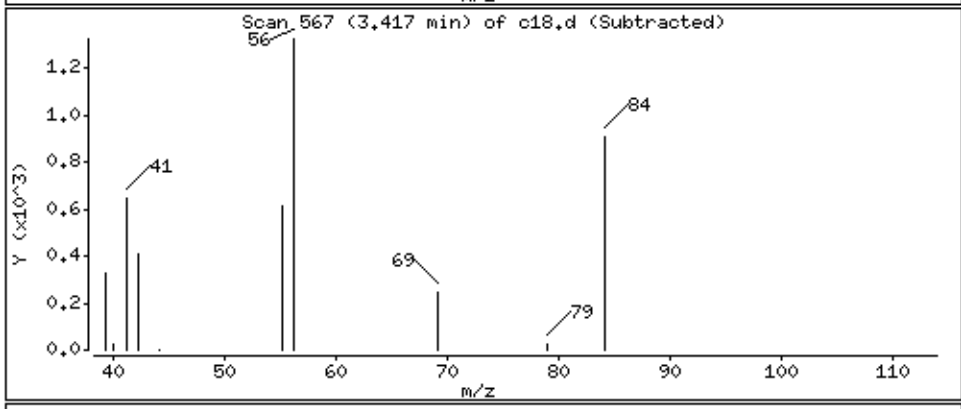
Column diameter: 0.18

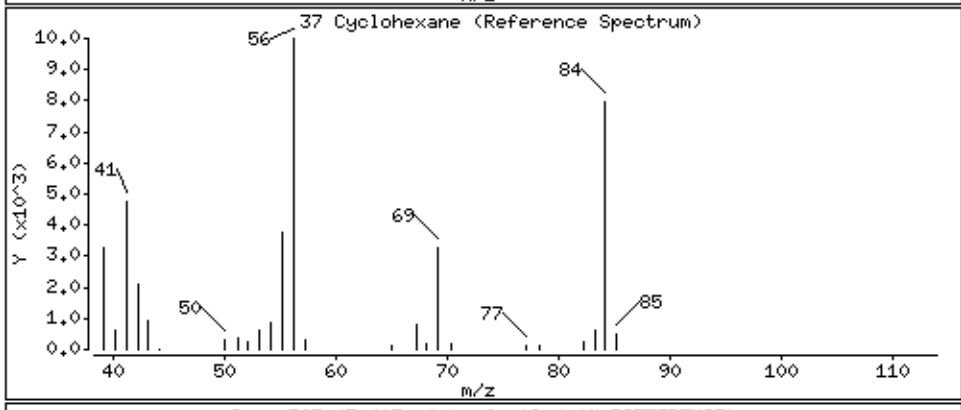
37 Cyclohexane

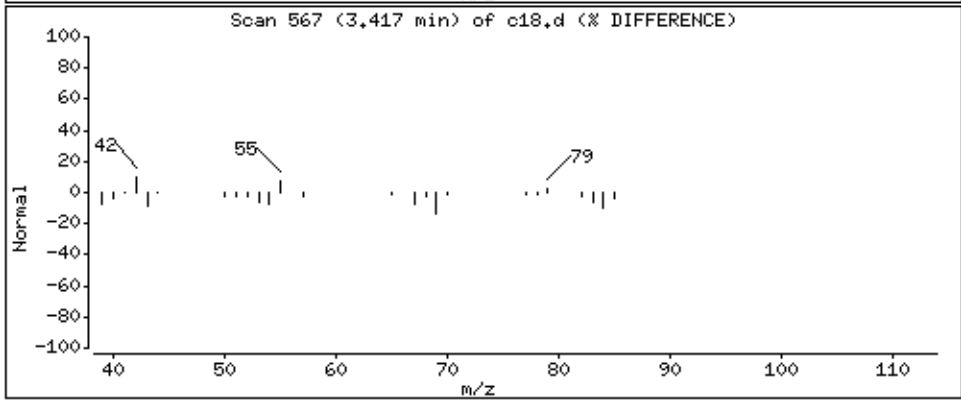
Concentration: 0.692 ppb

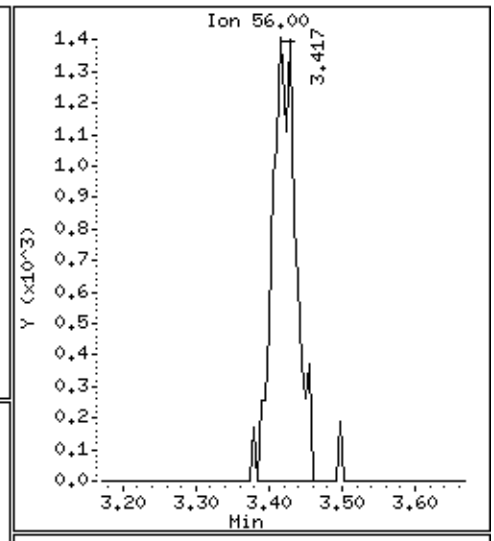
Review Code:

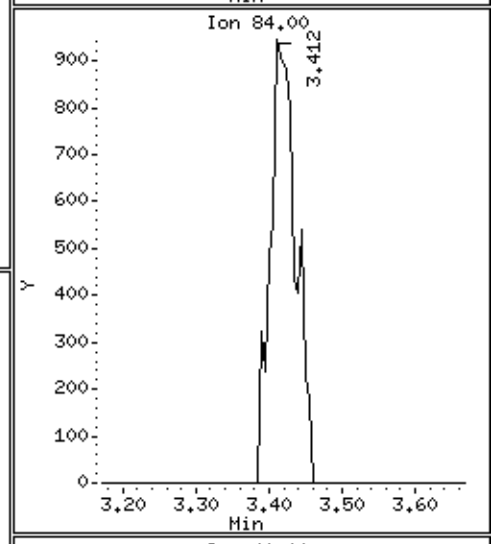


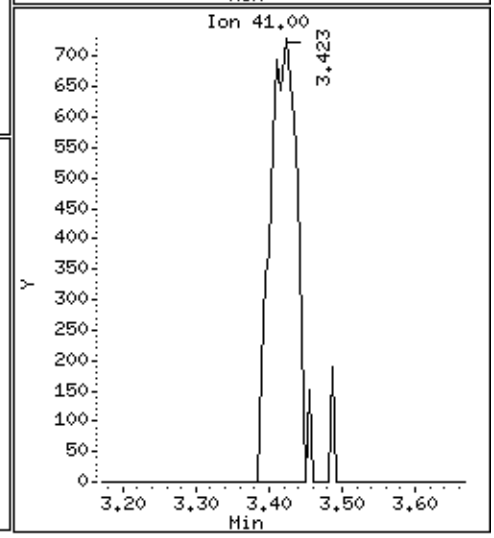












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Date : 07-OCT-2016 09:49

Client ID: MW-0516-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366038

Purge Volume: 5.0

Operator: jlz

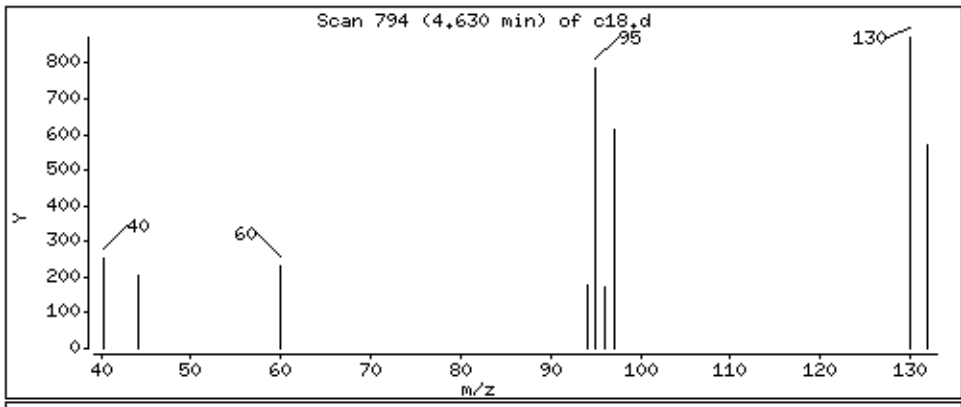
Column phase: DB-624

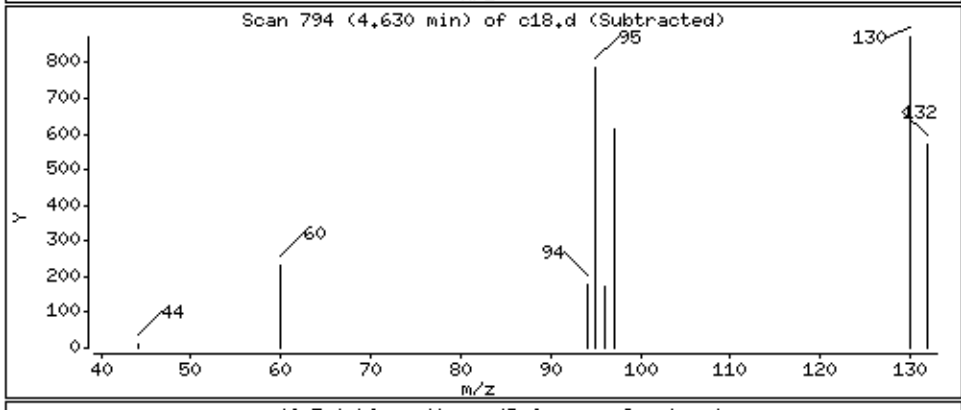
Column diameter: 0.18

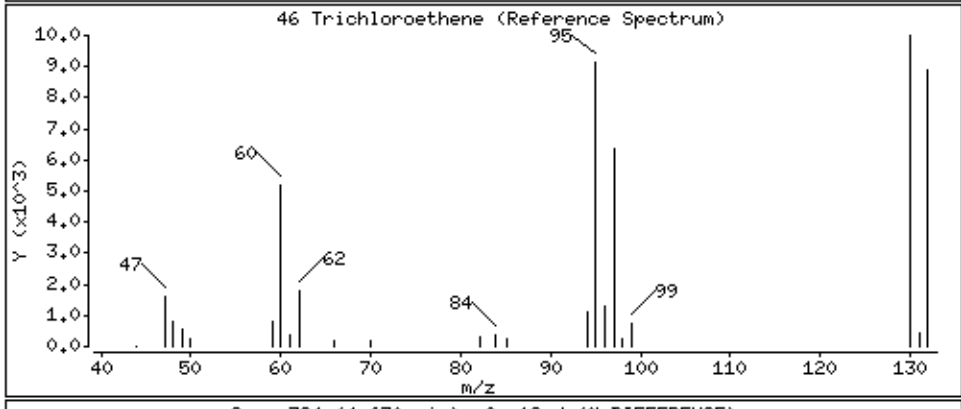
46 Trichloroethene

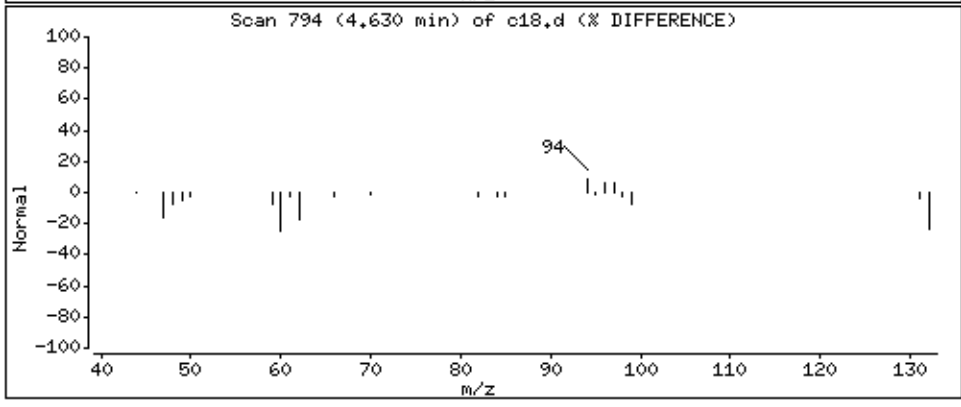
Concentration: 0.630 ppb

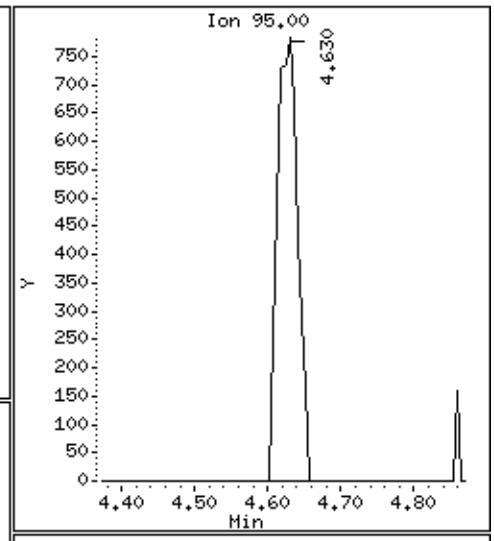
Review Code:

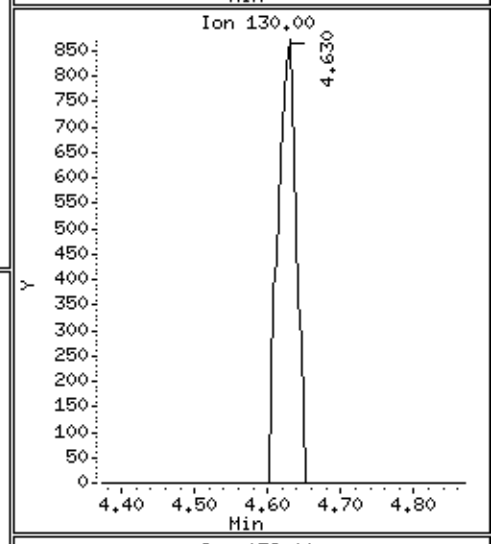


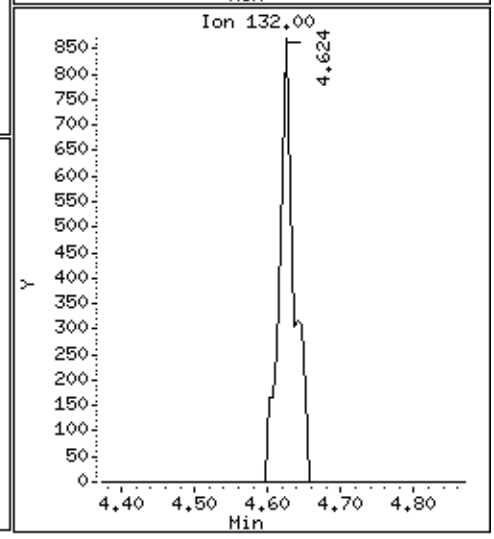












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Date : 07-OCT-2016 09:49

Client ID: MW-0516-S1(091716)P

Instrument: 50mv3a.i

Sample Info: 50155366038

Purge Volume: 5.0

Operator: jlz

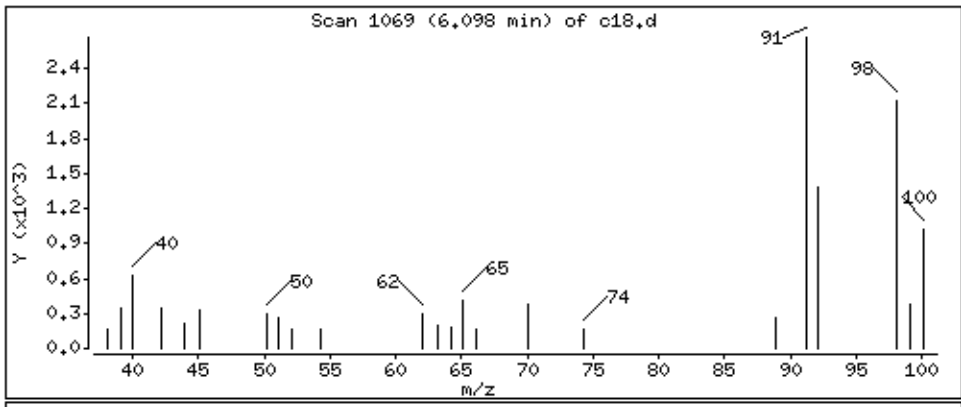
Column phase: DB-624

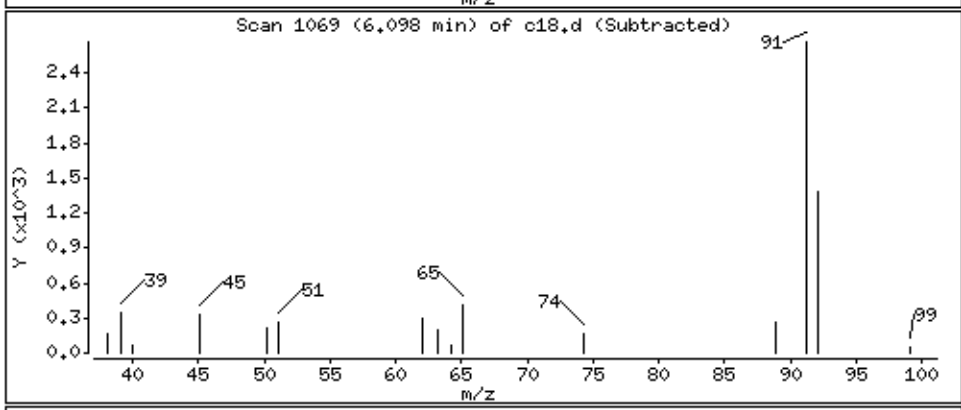
Column diameter: 0.18

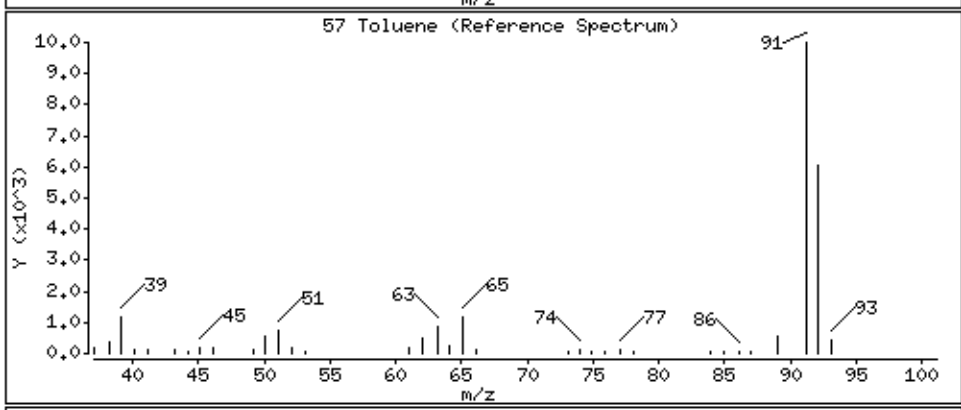
57 Toluene

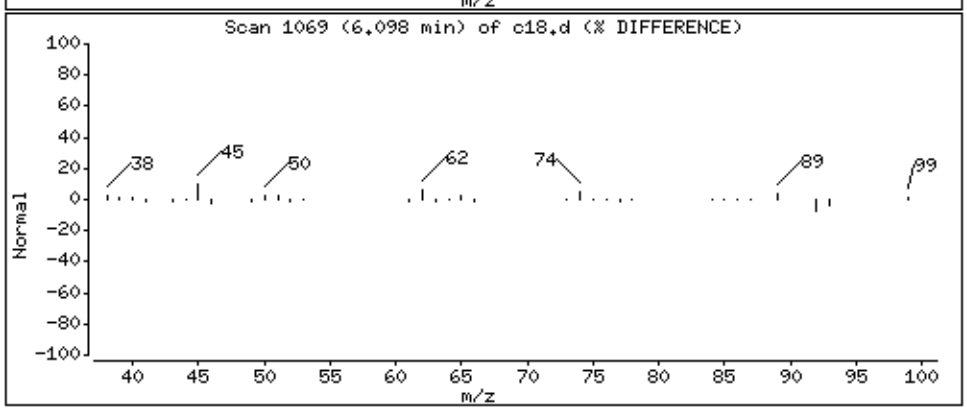
Concentration: 0.452 ppb

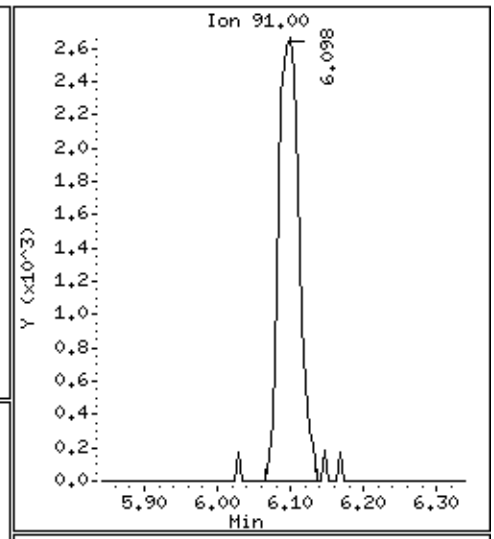
Review Code:

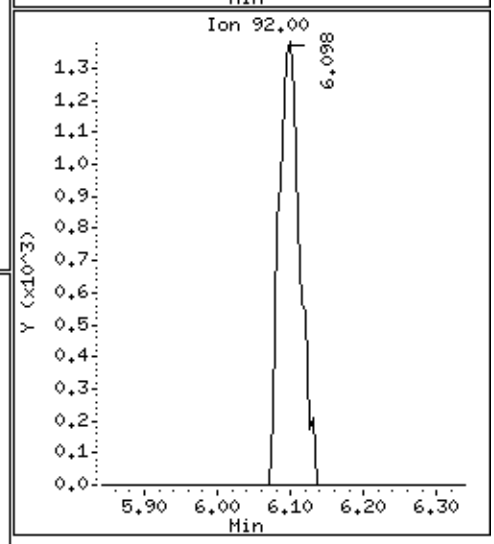












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Injection Date: 07-OCT-2016 09:49
Instrument: 50mv3a.i
Lab Sample ID: 50155366038
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MW-0603-S1(091716)PDB

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:01 Lab Sample ID: 50155366039

Date Analyzed: 10/07/2016 09:01 Lab File ID: B100616.B\D16.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

MW-0603-S1(091716)PDB

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:01 Lab Sample ID: 50155366039

Date Analyzed: 10/07/2016 09:01 Lab File ID: B100616.B\D16.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d16.d
Lab Smp Id: 50155366039 Client Smp ID: MW-0603-S1(091716)P
Inj Date : 07-OCT-2016 09:01
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 50155366039
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 80
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

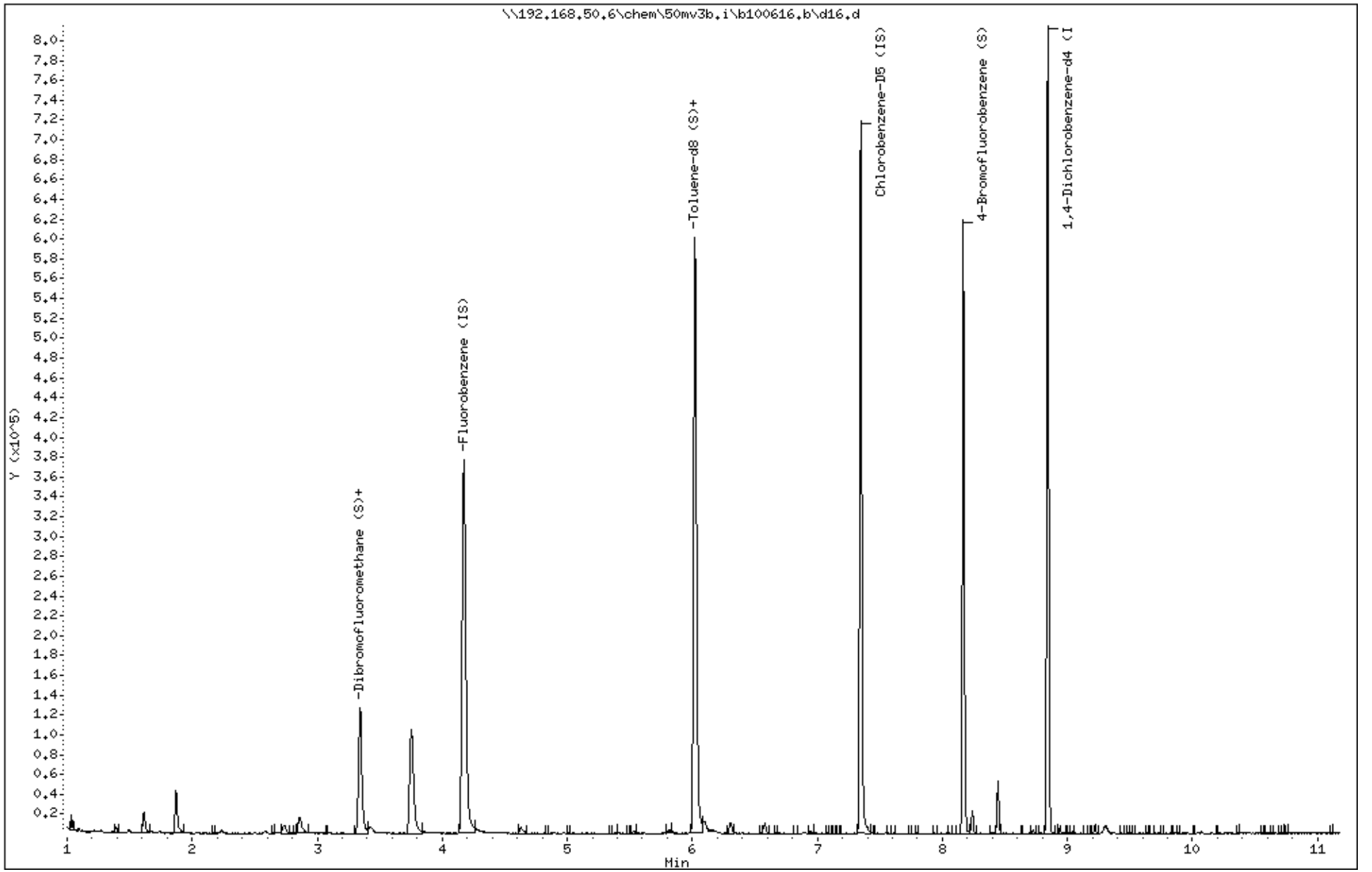
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	12 Acetone	43	1.615	1.610	(0.387)	20059	56.3007	56.3	
	18 Methylene Chloride	84	1.872	1.872	(0.449)	13887	4.94826	4.95	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	84679	47.7244	47.7	
	37 Cyclohexane	56	3.431	3.426	(0.822)	2653	0.67926	0.679	
*	44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	385383	50.0000		
	45 Trichloroethene	95	4.633	4.623	(1.110)	2037	1.05227	1.05	
$	55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	385522	46.4433	46.4	
	56 Toluene	91	6.102	6.097	(0.831)	4474	0.43362	0.434	
*	65 Chlorobenzene-D5 (IS)	117	7.346	7.347	(1.000)	280989	50.0000		
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	134239	51.3747	51.4	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	133366	50.0000		

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d16.d
Date : 07-OCT-2016 09:01
Client ID: MW-0603-S1(091716)P
Instrument: 50mv3b.i
Sample Info: 50155366039
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 09:01

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 50155366039

Purge Volume: 5.0

Operator: jlz

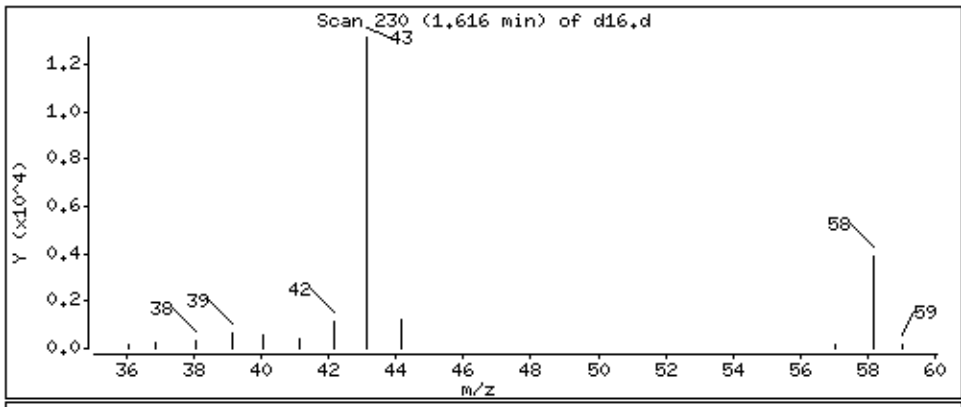
Column phase: DB-624

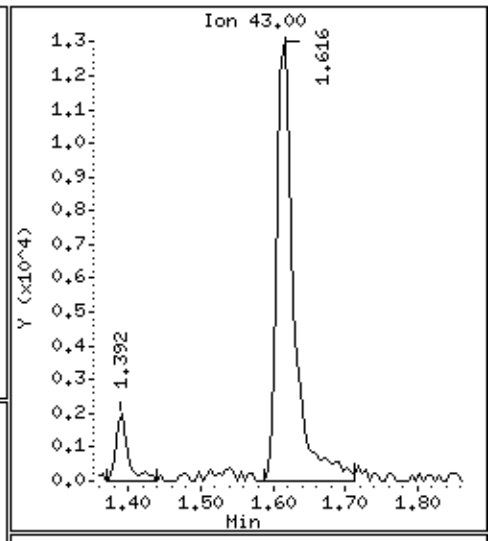
Column diameter: 0.18

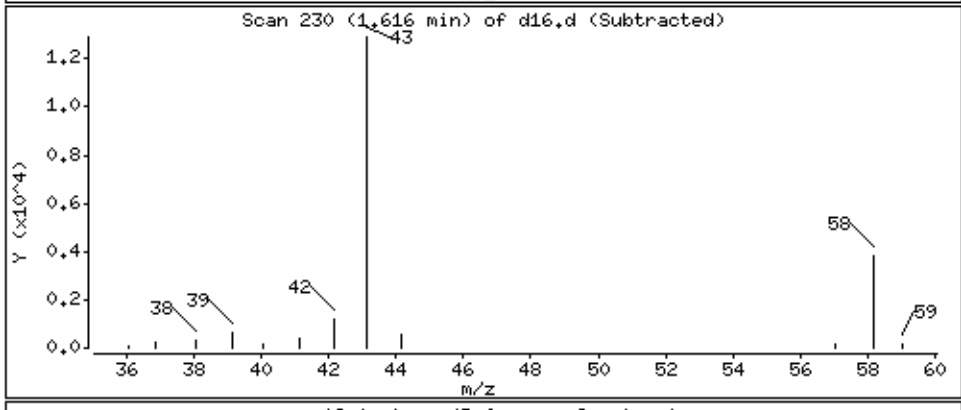
12 Acetone

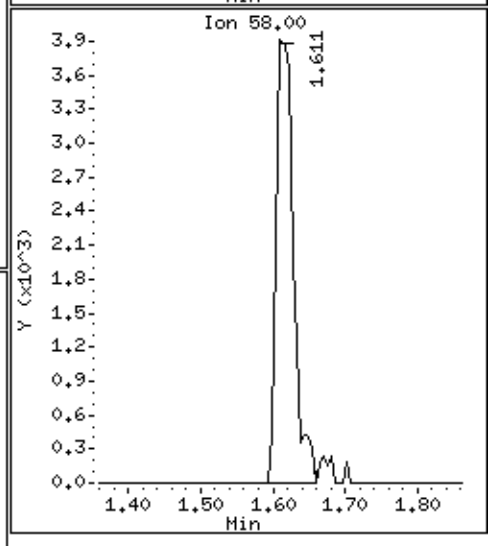
Concentration: 56.3 ppb

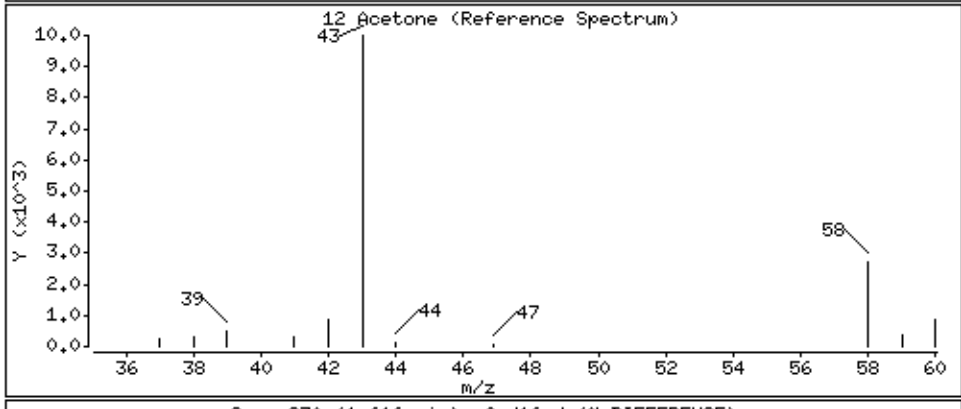
Review Code:

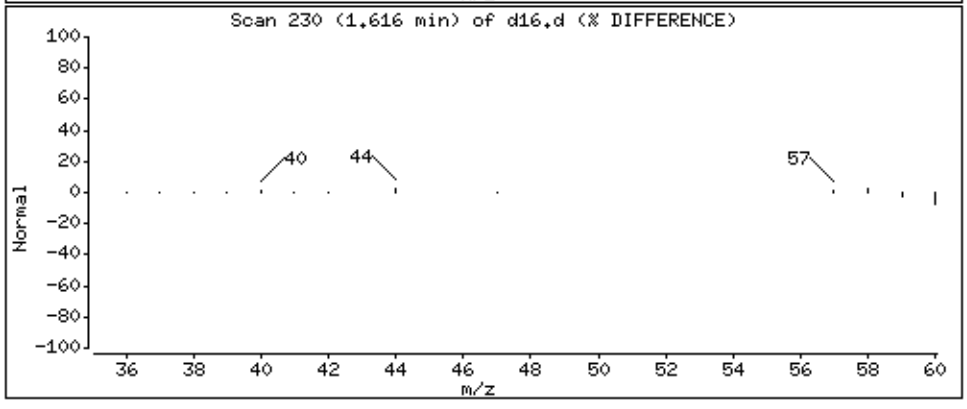












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Date : 07-OCT-2016 09:01

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 50155366039

Purge Volume: 5.0

Operator: jlz

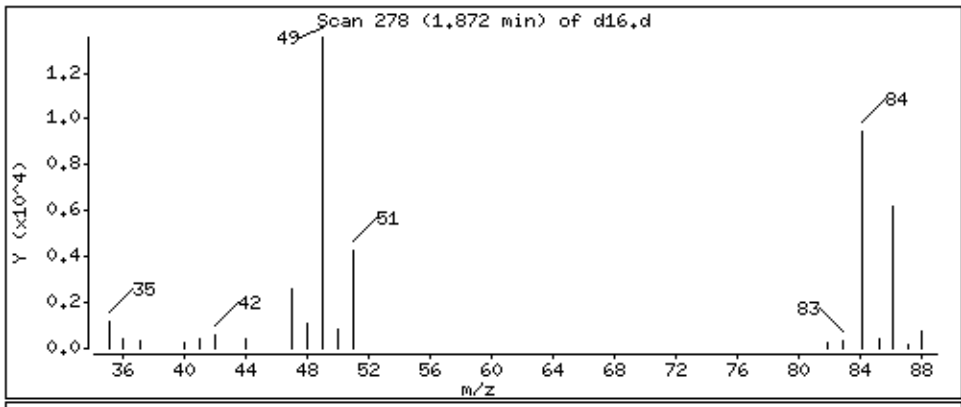
Column phase: DB-624

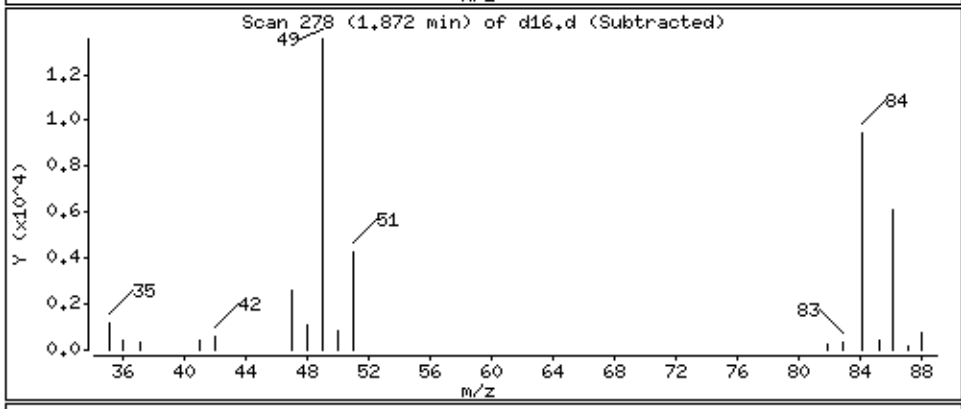
Column diameter: 0.18

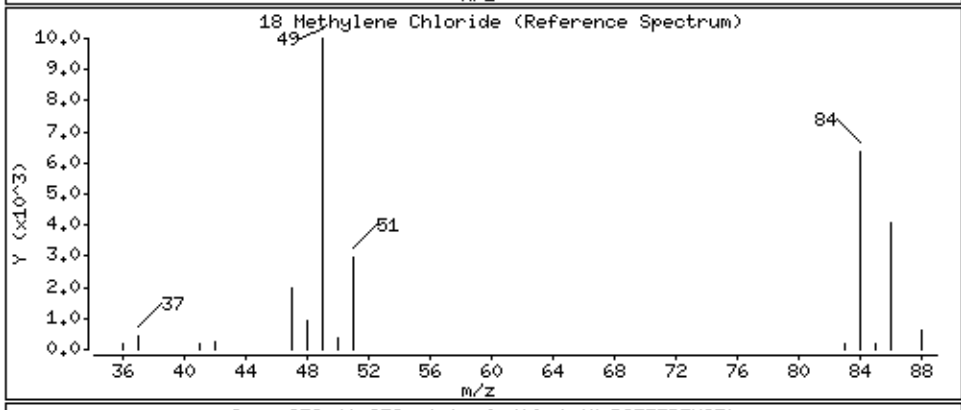
18 Methylene Chloride

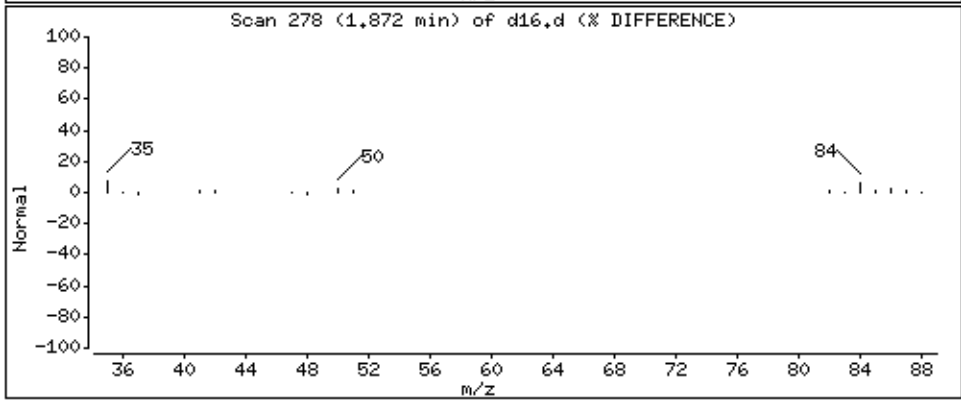
Concentration: 4.95 ppb

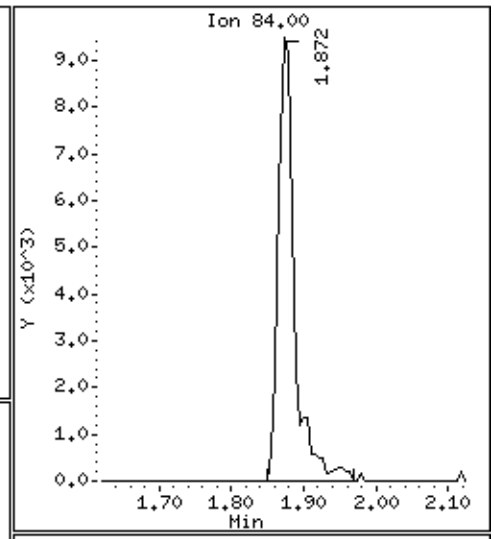
Review Code:

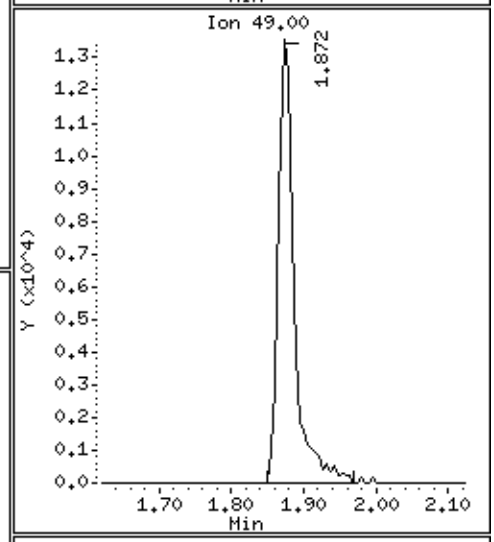


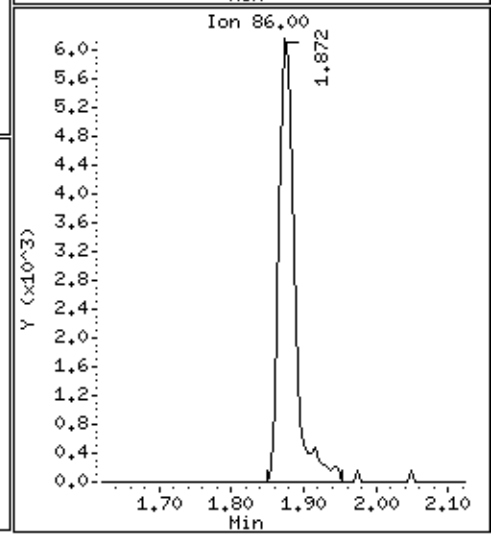












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d16.d

Date : 07-OCT-2016 09:01

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 50155366039

Purge Volume: 5.0

Operator: jlz

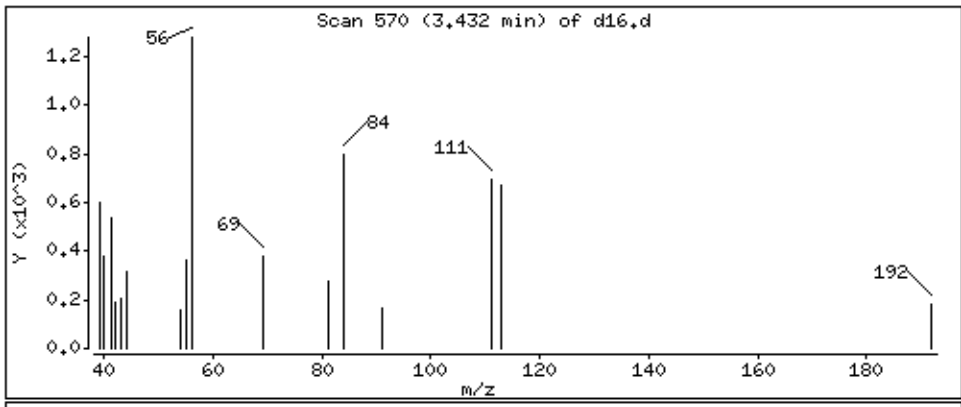
Column phase: DB-624

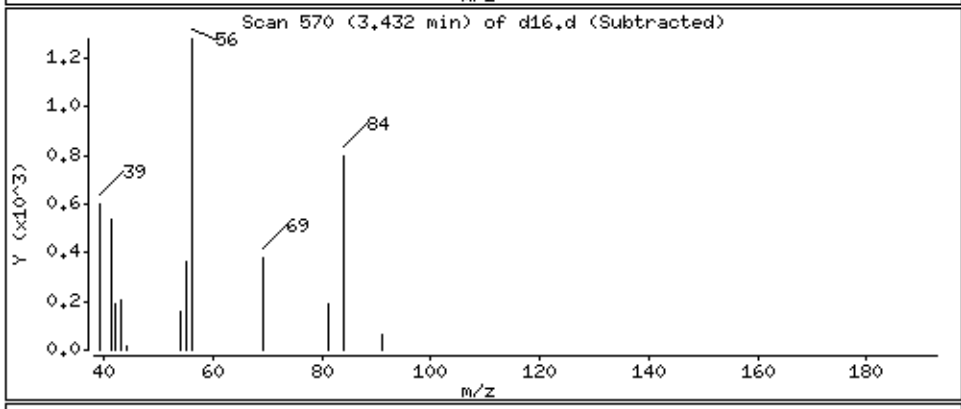
Column diameter: 0.18

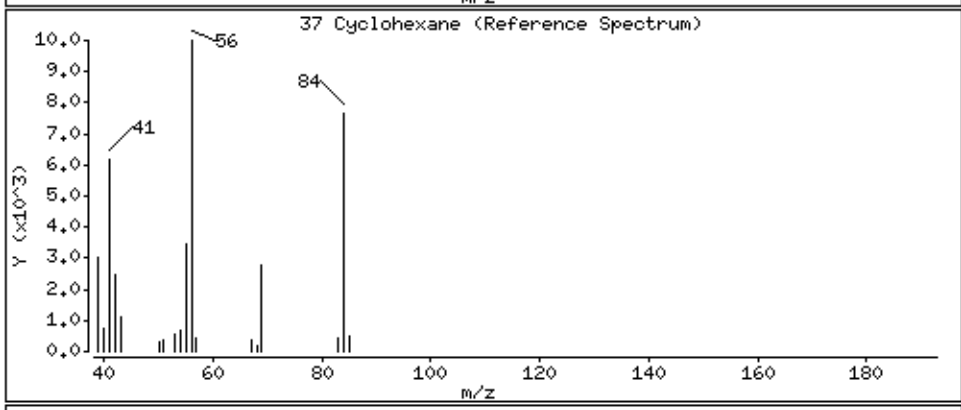
37 Cyclohexane

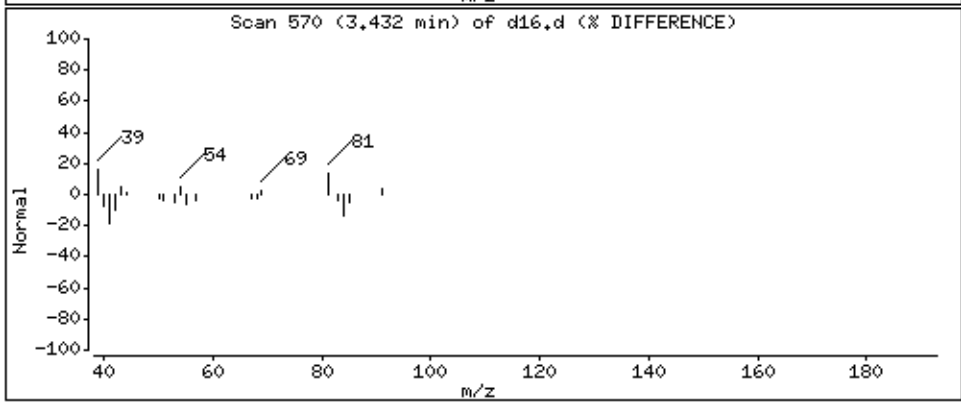
Concentration: 0.679 ppb

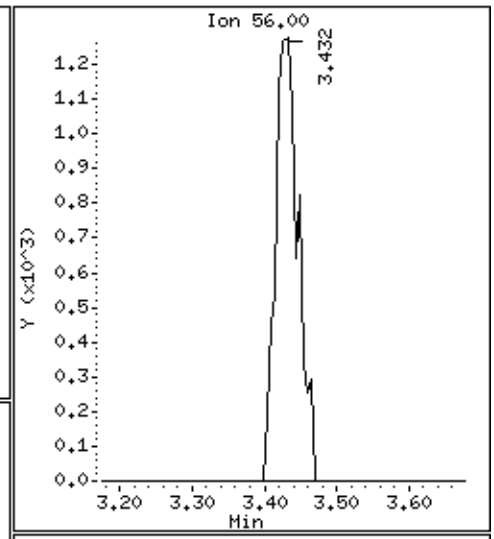
Review Code:

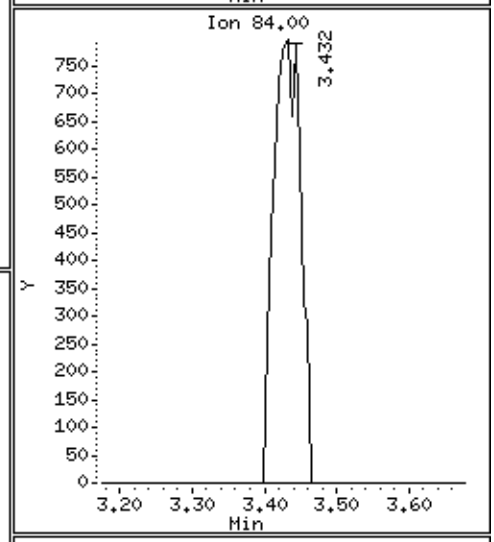


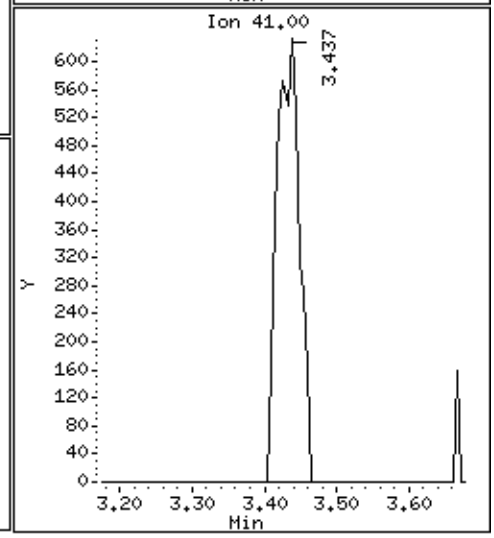












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d16.d

Date : 07-OCT-2016 09:01

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 50155366039

Purge Volume: 5.0

Operator: jlz

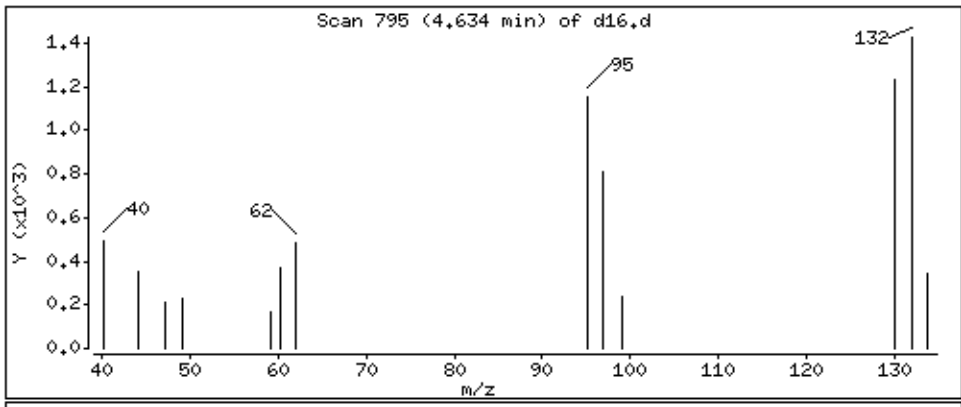
Column phase: DB-624

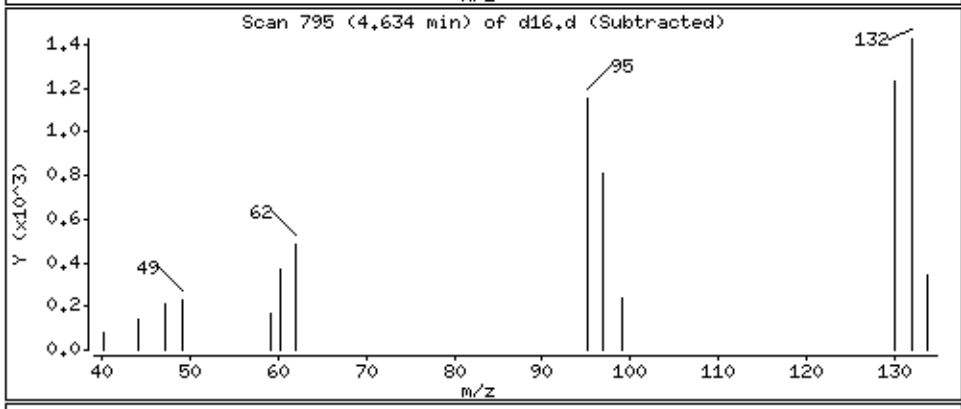
Column diameter: 0.18

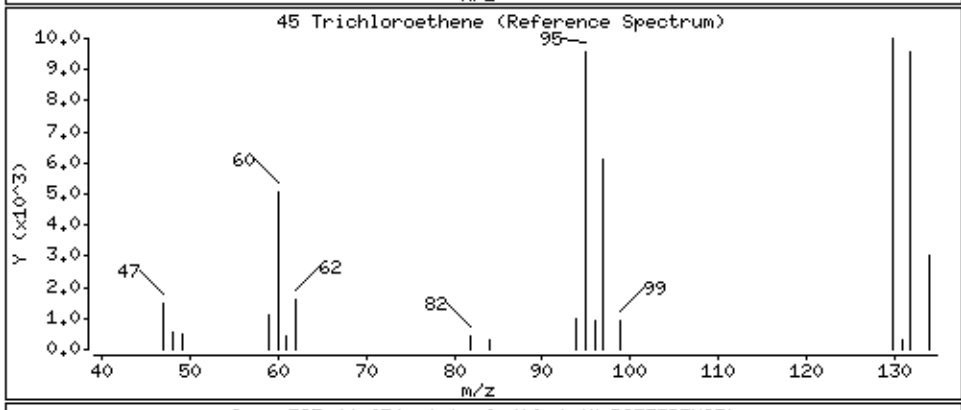
45 Trichloroethene

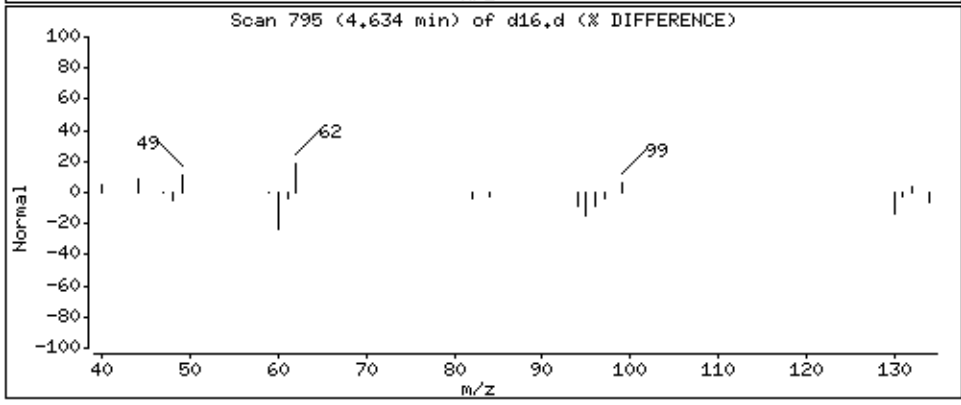
Concentration: 1.05 ppb

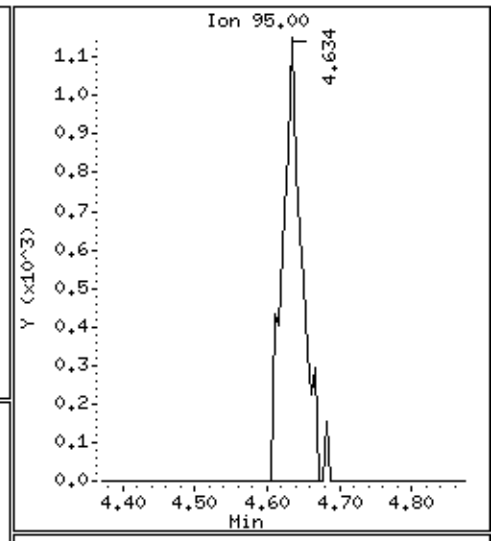
Review Code:

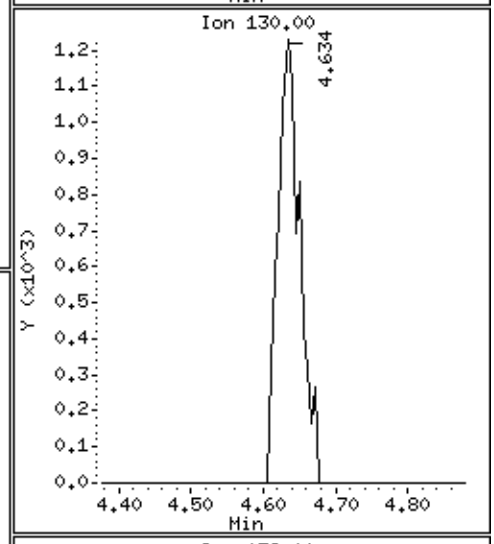


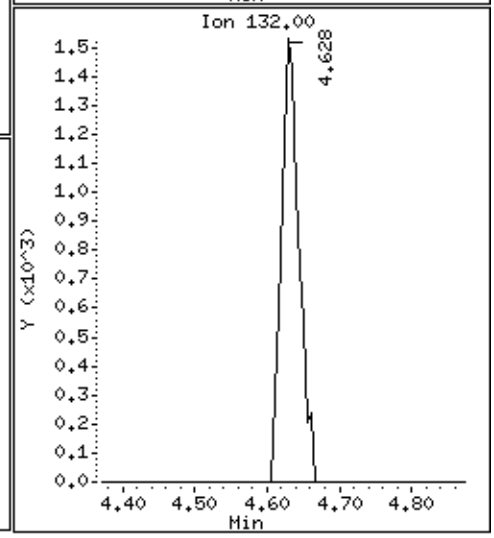












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d16.d

Date : 07-OCT-2016 09:01

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 50155366039

Purge Volume: 5.0

Operator: jlz

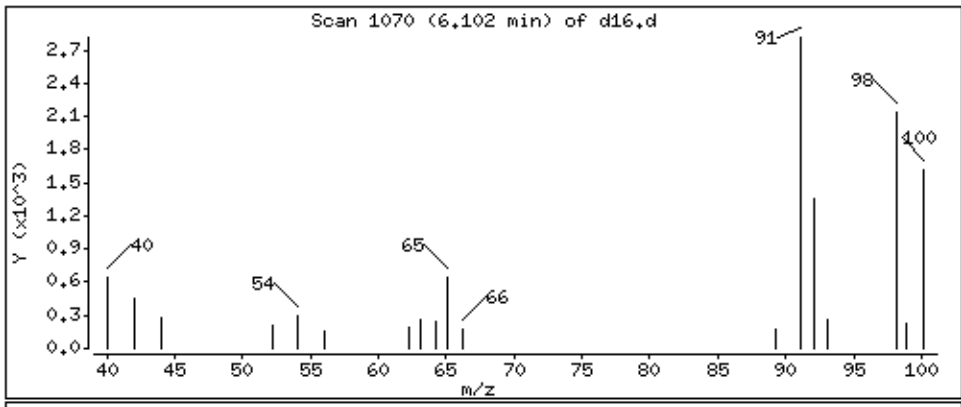
Column phase: DB-624

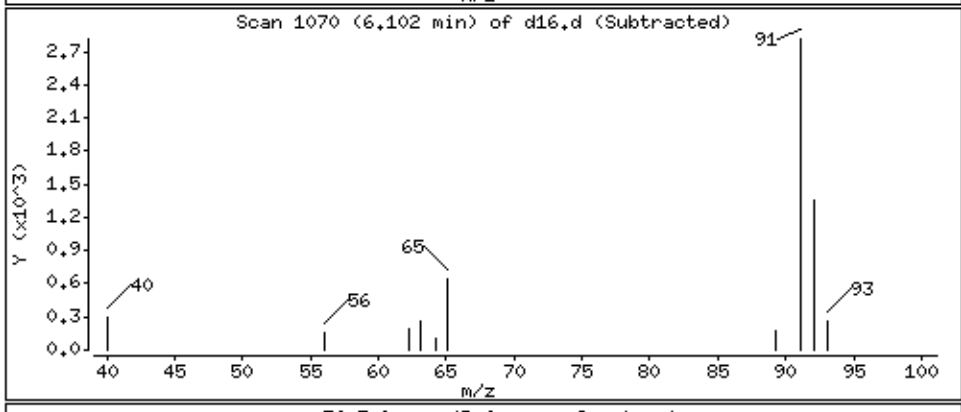
Column diameter: 0.18

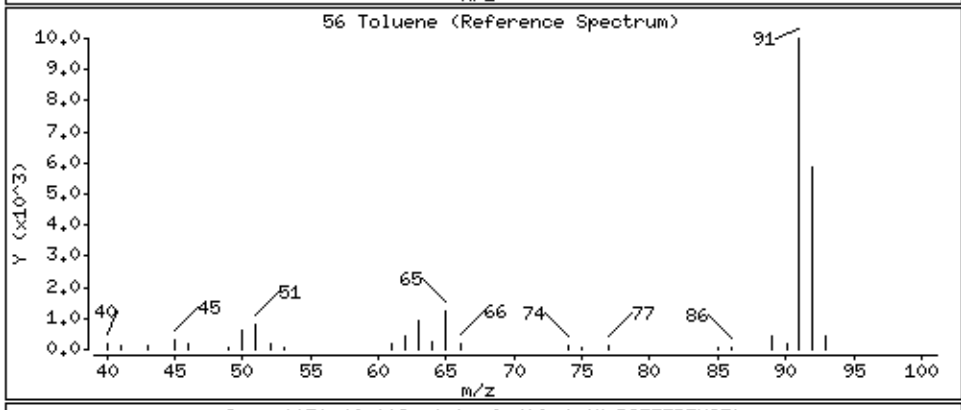
56 Toluene

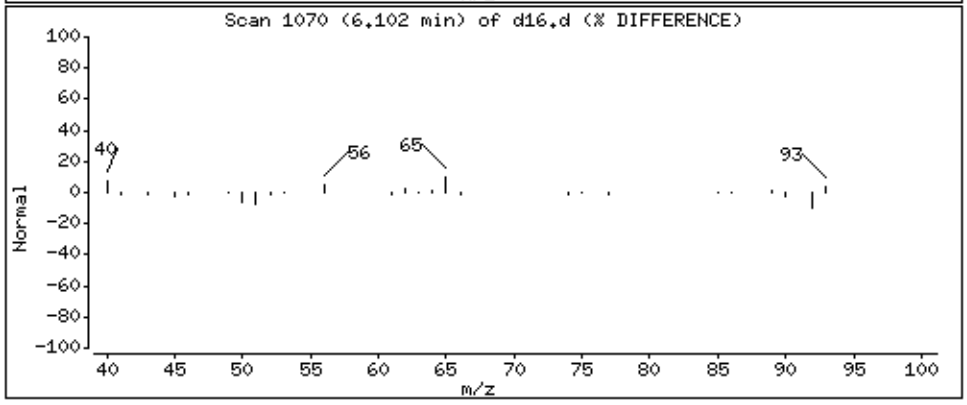
Concentration: 0.434 ppb

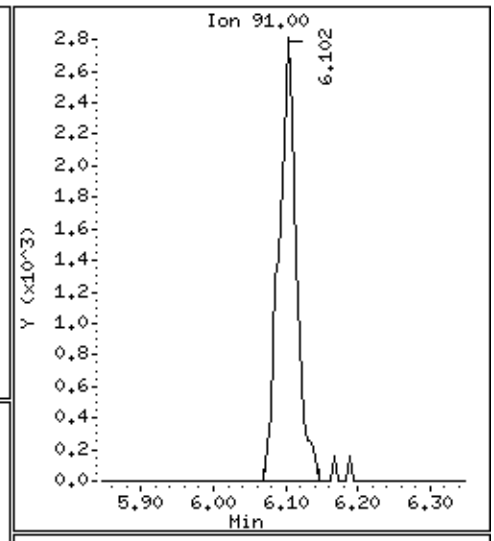
Review Code:

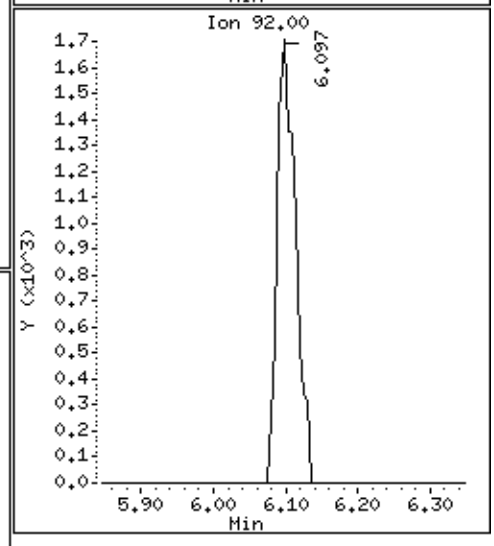












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d16.d
Injection Date: 07-OCT-2016 09:01
Instrument: 50mv3b.i
Lab Sample ID: 50155366039
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 09/28/2016 09/28/2016 Calibration Time(s): 18:30 22:15

LAB FILE ID

CAL1 = A092816CAL.B\A01CAL.D CAL2 = A092816CAL.B\A02CAL.D CAL3 = A092816CAL.B\A03CAL.D
CAL4 = A092816CAL.B\A04CAL.D CAL5 = A092816CAL.B\A05CAL.D CAL6 = A092816CAL.B\A06CAL.D
CAL7 = A092816CAL.B\A07CAL.D CAL8 = A092816CAL.B\A08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Averaged	0.00000	0.06306	0.03924	0.04812	0.04321	0.04124
Benzene	Averaged	1.10645	0.95596	0.96137	1.12322	1.01484	1.02298
Bromodichloromethane	Averaged	0.00000	0.26019	0.25142	0.29200	0.27978	0.28816
Bromoform	Averaged	0.00000	0.32073	0.30723	0.36740	0.34375	0.35975
Bromomethane	Averaged	0.00000	0.13712	0.15548	0.14955	0.14343	0.15798
2-Butanone (MEK)	Averaged	0.00000	0.01628	0.01485	0.01787	0.01580	0.01681
Carbon disulfide	Averaged	0.00000	0.70740	0.69848	0.74705	0.64867	0.66156
Carbon tetrachloride	Averaged	0.00000	0.27068	0.32516	0.38570	0.34201	0.36195
Chlorobenzene	Averaged	1.15273	0.91985	0.96070	1.10059	1.02588	1.00165
Chloroethane	Averaged	0.00000	0.19488	0.18830	0.19382	0.20040	0.20621
Chloroform	Averaged	0.47201	0.38583	0.42257	0.45903	0.42605	0.42506
Chloromethane	Averaged	0.00000	0.32965	0.33177	0.29892	0.31102	0.30315
Cyclohexane	Averaged	0.49716	0.42501	0.46415	0.54882	0.47439	0.51127
1,2-Dibromo-3-chloropropane	Averaged			0.08258	0.08758	0.07858	0.07386
Dibromochloromethane	Averaged	0.31125	0.25276	0.28742	0.33893	0.29831	0.31404
1,2-Dibromoethane (EDB)	Averaged	0.00000	0.20519	0.22339	0.25040	0.24539	0.24143
1,2-Dichlorobenzene	Averaged	1.66110	1.33799	1.42651	1.53231	1.38222	1.42735
1,3-Dichlorobenzene	Averaged	1.81930	1.54344	1.48730	1.70785	1.53076	1.57153
1,4-Dichlorobenzene	Averaged	1.96856	1.66420	1.56122	1.76837	1.60233	1.58788
Dichlorodifluoromethane	Averaged	0.00000	0.26366	0.25879	0.25502	0.24994	0.27392
1,1-Dichloroethane	Averaged	0.00000	0.40161	0.45491	0.49848	0.46299	0.47775
1,2-Dichloroethane	Averaged	0.00000	0.32225	0.31090	0.33703	0.30731	0.30537
1,1-Dichloroethene	Averaged	0.00000	0.20114	0.22245	0.24498	0.22215	0.23133
cis-1,2-Dichloroethene	Averaged	0.27815	0.22213	0.26966	0.28102	0.25322	0.27634
trans-1,2-Dichloroethene	Averaged	0.00000	0.22153	0.23548	0.26014	0.24673	0.25210
1,2-Dichloropropane	Averaged	0.00000	0.22742	0.23455	0.26227	0.23506	0.24778
cis-1,3-Dichloropropene	Averaged	0.00000	0.45415	0.47791	0.57561	0.55954	0.65729
trans-1,3-Dichloropropene	Averaged	0.00000	0.37013	0.38510	0.46694	0.45294	0.52165
Ethylbenzene	Averaged	0.57720	0.48357	0.49988	0.62326	0.55921	0.57334
2-Hexanone	Averaged	0.00000	0.13333	0.14823	0.16784	0.16757	0.16707
Isopropylbenzene (Cumene)	Averaged	1.76023	1.41214	1.59039	1.94918	1.75551	1.87682
Methyl acetate	Averaged	0.00000	0.15410	0.14944	0.12438	0.12677	0.12783
Methylcyclohexane	Averaged	0.00000	0.32671	0.37653	0.44443	0.39504	0.42625
Methylene Chloride	Linear	1.05076	0.56130	0.37564	0.28362	0.23556	0.22294
4-Methyl-2-pentanone (MIBK)	Averaged	0.00000	0.20350	0.22110	0.27067	0.25698	0.29347

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 09/28/2016 09/28/2016 Calibration Time(s): 18:30 22:15

LAB FILE ID

CAL1 = A092816CAL.B\A01CAL.D CAL2 = A092816CAL.B\A02CAL.D CAL3 = A092816CAL.B\A03CAL.D

CAL4 = A092816CAL.B\A04CAL.D CAL5 = A092816CAL.B\A05CAL.D CAL6 = A092816CAL.B\A06CAL.D

CAL7 = A092816CAL.B\A07CAL.D CAL8 = A092816CAL.B\A08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Methyl-tert-butyl ether	Averaged	0.64836	0.52272	0.55415	0.65272	0.58528	0.58597
Styrene	Averaged	0.90763	0.84371	0.90607	1.12304	1.02948	1.11262
1,1,2,2-Tetrachloroethane	Averaged	0.00000	0.58221	0.63599	0.69424	0.63850	0.61711
Tetrachloroethene	Averaged	0.00000	0.36282	0.39368	0.47184	0.41910	0.42013
Toluene	Averaged	2.02229	1.79790	1.60196	1.91533	1.77936	1.96411
1,2,4-Trichlorobenzene	Averaged	0.00000	0.84756	0.98470	1.05618	0.96766	0.96020
1,1,1-Trichloroethane	Averaged	0.45030	0.37941	0.38215	0.43938	0.39504	0.41010
1,1,2-Trichloroethane	Averaged	0.00000	0.19956	0.20882	0.23803	0.22317	0.22181
Trichloroethene	Averaged	0.28354	0.24750	0.25701	0.28103	0.25186	0.25883
Trichlorofluoromethane	Averaged	0.35719	0.36605	0.38879	0.38826	0.37500	0.36978
1,1,2-Trichlorotrifluoroethane	Averaged	0.27141	0.23920	0.27239	0.31064	0.26868	0.26737
Vinyl chloride	Averaged	0.34941	0.29379	0.34861	0.33253	0.31779	0.34157
m&p-Xylene	Averaged	0.70142	0.59102	0.61395	0.75787	0.69316	0.72055
o-Xylene	Averaged	0.66891	0.55379	0.55938	0.69585	0.63148	0.66720
4-Bromofluorobenzene (S)	Averaged	0.41986	0.42781	0.43228	0.43428	0.43778	0.45390
Dibromofluoromethane (S)	Averaged	0.22866	0.22527	0.23178	0.22651	0.22118	0.21763
Toluene-d8 (S)	Averaged	1.50683	1.46867	1.49203	1.51426	1.60520	1.68958

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 09/28/2016 09/28/2016 Calibration Time(s): 18:30 22:15

LAB FILE ID

CAL1 = A092816CAL.B\A01CAL.D CAL2 = A092816CAL.B\A02CAL.D CAL3 = A092816CAL.B\A03CAL.D
CAL4 = A092816CAL.B\A04CAL.D CAL5 = A092816CAL.B\A05CAL.D CAL6 = A092816CAL.B\A06CAL.D
CAL7 = A092816CAL.B\A07CAL.D CAL8 = A092816CAL.B\A08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Averaged	0.04030	0.03915
Benzene	Averaged	1.01277	1.03224
Bromodichloromethane	Averaged	0.28293	0.29341
Bromoform	Averaged	0.37259	0.37195
Bromomethane	Averaged	0.16978	0.15270
2-Butanone (MEK)	Averaged	0.01759	0.01804
Carbon disulfide	Averaged	0.64117	0.69170
Carbon tetrachloride	Averaged	0.35497	0.35864
Chlorobenzene	Averaged	1.01974	1.04932
Chloroethane	Averaged	0.20117	0.17549
Chloroform	Averaged	0.42826	0.44036
Chloromethane	Averaged	0.30346	0.31431
Cyclohexane	Averaged	0.49822	0.50940
1,2-Dibromo-3-chloropropane	Averaged	0.07499	0.08801
Dibromochloromethane	Averaged	0.32589	0.32757
1,2-Dibromoethane (EDB)	Averaged	0.24358	0.24337
1,2-Dichlorobenzene	Averaged	1.38841	1.46273
1,3-Dichlorobenzene	Averaged	1.54160	1.62603
1,4-Dichlorobenzene	Averaged	1.54045	1.59701
Dichlorodifluoromethane	Averaged	0.24300	0.24200
1,1-Dichloroethane	Averaged	0.49205	0.49173
1,2-Dichloroethane	Averaged	0.30287	0.29936
1,1-Dichloroethene	Averaged	0.21144	0.21841
cis-1,2-Dichloroethene	Averaged	0.27418	0.28532
trans-1,2-Dichloroethene	Averaged	0.26071	0.27112
1,2-Dichloropropane	Averaged	0.23564	0.24682
cis-1,3-Dichloropropene	Averaged	0.59888	0.61385
trans-1,3-Dichloropropene	Averaged	0.49365	0.49929
Ethylbenzene	Averaged	0.59359	0.60552
2-Hexanone	Averaged	0.18358	0.17901
Isopropylbenzene (Cumene)	Averaged	1.91337	1.95811
Methyl acetate	Averaged	0.13122	0.13485
Methylcyclohexane	Averaged	0.40868	0.42075
Methylene Chloride	Linear	0.21594	
4-Methyl-2-pentanone (MIBK)	Averaged	0.28462	0.27691

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-4

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 09/28/2016 09/28/2016 Calibration Time(s): 18:30 22:15

LAB FILE ID

CAL1 = A092816CAL.B\A01CAL.D CAL2 = A092816CAL.B\A02CAL.D CAL3 = A092816CAL.B\A03CAL.D

CAL4 = A092816CAL.B\A04CAL.D CAL5 = A092816CAL.B\A05CAL.D CAL6 = A092816CAL.B\A06CAL.D

CAL7 = A092816CAL.B\A07CAL.D CAL8 = A092816CAL.B\A08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Methyl-tert-butyl ether	Averaged	0.61111	0.63485
Styrene	Averaged	1.17090	1.21419
1,1,2,2-Tetrachloroethane	Averaged	0.62907	0.60492
Tetrachloroethene	Averaged	0.42627	0.43261
Toluene	Averaged	1.79244	1.85148
1,2,4-Trichlorobenzene	Averaged	0.88073	1.04185
1,1,1-Trichloroethane	Averaged	0.40735	0.41210
1,1,2-Trichloroethane	Averaged	0.21986	0.22237
Trichloroethene	Averaged	0.25077	0.25287
Trichlorofluoromethane	Averaged	0.35335	0.33312
1,1,2-Trichlorotrifluoroethane	Averaged	0.26615	0.27138
Vinyl chloride	Averaged	0.32729	0.32131
m&p-Xylene	Averaged	0.72581	0.73963
o-Xylene	Averaged	0.67172	0.68394
4-Bromofluorobenzene (S)	Averaged	0.47800	0.48252
Dibromofluoromethane (S)	Averaged	0.23032	0.22739
Toluene-d8 (S)	Averaged	1.55517	1.57111

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 09/28/2016 09/28/2016 Calibration Time(s): 18:30 22:15

LAB FILE ID

CAL1 = A092816CAL.B\A01CAL.D CAL2 = A092816CAL.B\A02CAL.D CAL3 = A092816CAL.B\A03CAL.D
CAL4 = A092816CAL.B\A04CAL.D CAL5 = A092816CAL.B\A05CAL.D CAL6 = A092816CAL.B\A06CAL.D
CAL7 = A092816CAL.B\A07CAL.D CAL8 = A092816CAL.B\A08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Averaged	19.13022			0.04490	
Benzene	Averaged	5.84319			1.02873	
Bromodichloromethane	Averaged	5.84493			0.27827	
Bromoform	Averaged	7.49696			0.34906	
Bromomethane	Averaged	6.91312			0.15229	
2-Butanone (MEK)	Averaged	7.04572			0.01675	
Carbon disulfide	Averaged	5.45095			0.68515	
Carbon tetrachloride	Averaged	10.73268			0.34273	
Chlorobenzene	Averaged	7.18706			1.02881	
Chloroethane	Averaged	5.21726			0.19432	
Chloroform	Averaged	6.00460			0.43240	
Chloromethane	Averaged	4.16563			0.31318	
Cyclohexane	Averaged	7.51561			0.49105	
1,2-Dibromo-3-chloropropane	Averaged	7.57294			0.08093	
Dibromochloromethane	Averaged	8.93504			0.30702	
1,2-Dibromoethane (EDB)	Averaged	6.79590			0.23611	
1,2-Dichlorobenzene	Averaged	7.05333			1.45233	
1,3-Dichlorobenzene	Averaged	6.88114			1.60347	
1,4-Dichlorobenzene	Averaged	8.61882			1.66125	
Dichlorodifluoromethane	Averaged	4.48407			0.25519	
1,1-Dichloroethane	Averaged	7.16899			0.46850	
1,2-Dichloroethane	Averaged	4.22108			0.31215	
1,1-Dichloroethene	Averaged	6.30999			0.22170	
cis-1,2-Dichloroethene	Averaged	7.74328			0.26750	
trans-1,2-Dichloroethene	Averaged	6.73993			0.24969	
1,2-Dichloropropane	Averaged	4.84771			0.24136	
cis-1,3-Dichloropropene	Averaged	12.98820			0.56246	
trans-1,3-Dichloropropene	Averaged	12.71098			0.45567	
Ethylbenzene	Averaged	8.72438			0.56445	
2-Hexanone	Averaged	10.67553			0.16380	
Isopropylbenzene (Cumene)	Averaged	10.83937			1.77697	
Methyl acetate	Averaged	8.61693			0.13551	
Methylcyclohexane	Averaged	9.75040			0.39977	
Methylene Chloride	Linear		0.99988	0.01416	0.21084	
4-Methyl-2-pentanone (MIBK)	Averaged	13.05595			0.25818	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-6

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 09/28/2016 09/28/2016 Calibration Time(s): 18:30 22:15

LAB FILE ID

CAL1 = A092816CAL.B\A01CAL.D CAL2 = A092816CAL.B\A02CAL.D CAL3 = A092816CAL.B\A03CAL.D

CAL4 = A092816CAL.B\A04CAL.D CAL5 = A092816CAL.B\A05CAL.D CAL6 = A092816CAL.B\A06CAL.D

CAL7 = A092816CAL.B\A07CAL.D CAL8 = A092816CAL.B\A08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Methyl-tert-butyl ether	Averaged	7.70781			0.59940	
Styrene	Averaged	13.31002			1.03846	
1,1,2,2-Tetrachloroethane	Averaged	5.54880			0.62886	
Tetrachloroethene	Averaged	8.06639			0.41806	
Toluene	Averaged	7.07799			1.84061	
1,2,4-Trichlorobenzene	Averaged	7.98951			0.96270	
1,1,1-Trichloroethane	Averaged	6.14495			0.40948	
1,1,2-Trichloroethane	Averaged	5.53009			0.21909	
Trichloroethene	Averaged	5.35950			0.26043	
Trichlorofluoromethane	Averaged	5.08211			0.36644	
1,1,2-Trichlorotrifluoroethane	Averaged	7.15083			0.27090	
Vinyl chloride	Averaged	5.62578			0.32904	
m&p-Xylene	Averaged	8.61361			0.69293	
o-Xylene	Averaged	8.66192			0.64153	
4-Bromofluorobenzene (S)	Averaged	5.24511			0.44580	
Dibromofluoromethane (S)	Averaged	2.08129			0.22609	
Toluene-d8 (S)	Averaged	4.63312			1.55036	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3B GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 08/16/2016 08/16/2016 Calibration Time(s): 10:36 14:20

LAB FILE ID

CAL1 = B081616CAL.B\B01CAL.D CAL2 = B081616CAL.B\B02CAL.D CAL3 = B081616CAL.B\B03CAL.D
CAL4 = B081616CAL.B\B04CAL.D CAL5 = B081616CAL.B\B05CAL.D CAL6 = B081616CAL.B\B06CAL.D
CAL7 = B081616CAL.B\B07CAL.D CAL8 = B081616CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Averaged	0.00000	0.05932	0.04603	0.04454	0.04009	0.04260
Benzene	Averaged	1.12573	0.97129	0.97051	0.96348	0.99550	0.96759
Bromodichloromethane	Averaged	0.00000	0.29196	0.28800	0.28579	0.30221	0.29070
Bromoform	Averaged	0.00000	0.32162	0.31027	0.31342	0.31884	0.34174
Bromomethane	Averaged	0.17550	0.18657	0.16541	0.18342	0.18487	0.18871
2-Butanone (MEK)	Averaged	0.00000	0.01850	0.01654	0.01733	0.01758	0.01799
Carbon disulfide	Averaged	0.00000	1.11724	0.89236	0.83487	0.81416	0.78512
Carbon tetrachloride	Averaged	0.00000	0.32452	0.34348	0.35752	0.34879	0.35788
Chlorobenzene	Averaged	1.02881	0.90446	0.92689	0.94959	0.93656	0.94078
Chloroethane	Averaged	0.00000	0.21444	0.21999	0.23302	0.21358	0.21949
Chloroform	Averaged	0.47454	0.43666	0.39811	0.42860	0.42809	0.41527
Chloromethane	Averaged		0.50207	0.41349	0.40870	0.38717	0.36344
Cyclohexane	Averaged	0.49358	0.45294	0.40353	0.42585	0.40960	0.40057
1,2-Dibromo-3-chloropropane	Averaged	0.00000	0.10013	0.09656	0.09179	0.08808	0.09339
Dibromochloromethane	Averaged	0.29888	0.24286	0.26715	0.27933	0.28964	0.29474
1,2-Dibromoethane (EDB)	Averaged	0.25534	0.19522	0.19541	0.22127	0.22493	0.22321
1,2-Dichlorobenzene	Averaged	1.60767	1.43948	1.52144	1.43505	1.41832	1.43418
1,3-Dichlorobenzene	Averaged	1.71460	1.46765	1.61986	1.59551	1.58318	1.58257
1,4-Dichlorobenzene	Averaged	1.87364	1.60540	1.62091	1.62043	1.64571	1.57168
Dichlorodifluoromethane	Averaged	0.00000	0.38319	0.35483	0.40259	0.38287	0.37488
1,1-Dichloroethane	Averaged	0.00000	0.39654	0.40123	0.43686	0.43900	0.43688
1,2-Dichloroethane	Averaged	0.00000	0.25485	0.26118	0.27156	0.27830	0.27009
1,1-Dichloroethene	Averaged	0.00000	0.19559	0.21405	0.22487	0.22618	0.22394
cis-1,2-Dichloroethene	Averaged	0.23548	0.22544	0.25897	0.25822	0.26489	0.26766
trans-1,2-Dichloroethene	Averaged	0.25094	0.24099	0.24871	0.25146	0.26267	0.25087
1,2-Dichloropropane	Averaged	0.00000	0.24752	0.21853	0.22519	0.22820	0.22835
cis-1,3-Dichloropropene	Averaged	0.00000	0.42891	0.46849	0.46902	0.49489	0.49288
trans-1,3-Dichloropropene	Averaged	0.00000	0.34959	0.38291	0.40405	0.41560	0.41331
Ethylbenzene	Averaged	0.56441	0.55438	0.54561	0.58654	0.56561	0.55811
2-Hexanone	Averaged	0.00000	0.14175	0.13846	0.13232	0.14283	0.14108
Isopropylbenzene (Cumene)	Averaged	1.86680	1.61091	1.69968	1.77074	1.79637	1.81954
Methyl acetate	Averaged	0.00000	0.00000	0.18445	0.14657	0.15760	0.15255
Methylcyclohexane	Averaged	0.00000	0.37403	0.34602	0.35613	0.35628	0.34722
Methylene Chloride	Averaged		0.36566	0.30522	0.27651	0.24630	0.23337
4-Methyl-2-pentanone (MIBK)	Averaged	0.00000	0.19341	0.19123	0.19620	0.20771	0.20238

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3B GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 08/16/2016 08/16/2016 Calibration Time(s): 10:36 14:20

LAB FILE ID

CAL1 = B081616CAL.B\B01CAL.D CAL2 = B081616CAL.B\B02CAL.D CAL3 = B081616CAL.B\B03CAL.D

CAL4 = B081616CAL.B\B04CAL.D CAL5 = B081616CAL.B\B05CAL.D CAL6 = B081616CAL.B\B06CAL.D

CAL7 = B081616CAL.B\B07CAL.D CAL8 = B081616CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Methyl-tert-butyl ether	Averaged	0.61927	0.55612	0.59225	0.58700	0.60230	0.61162
Styrene	Averaged	1.07823	0.97372	1.03492	1.08079	1.09118	1.09661
1,1,2,2-Tetrachloroethane	Averaged	0.47521	0.49179	0.54725	0.53122	0.52572	0.52061
Tetrachloroethene	Averaged	0.37026	0.36453	0.40430	0.36865	0.39036	0.39490
Toluene	Averaged	1.84993	1.56327	1.48507	1.51399	1.50209	1.48243
1,2,4-Trichlorobenzene	Averaged	1.14128	0.97084	0.98910	0.93081	0.99810	0.97209
1,1,1-Trichloroethane	Averaged	0.43203	0.37417	0.39669	0.40520	0.41476	0.40529
1,1,2-Trichloroethane	Averaged	0.00000	0.17230	0.19288	0.19752	0.19292	0.18736
Trichloroethene	Averaged	0.25796	0.24378	0.26188	0.24354	0.24942	0.25906
Trichlorofluoromethane	Averaged	0.37176	0.43233	0.42747	0.49163	0.47268	0.45483
1,1,2-Trichlorotrifluoroethane	Averaged	0.25008	0.24920	0.27008	0.27753	0.28392	0.27925
Vinyl chloride	Averaged	0.31851	0.37095	0.35559	0.40828	0.38651	0.37795
m&p-Xylene	Averaged	0.69159	0.64880	0.66288	0.68754	0.68190	0.69048
o-Xylene	Averaged	0.62815	0.60699	0.65598	0.65985	0.65552	0.66512
4-Bromofluorobenzene (S)	Averaged	0.46849	0.46371	0.47935	0.47405	0.46527	0.48702
Dibromofluoromethane (S)	Averaged	0.22759	0.23185	0.23830	0.23136	0.23374	0.23715
Toluene-d8 (S)	Averaged	1.32787	1.32228	1.32518	1.32814	1.30130	1.32240

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3B GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 08/16/2016 08/16/2016 Calibration Time(s): 10:36 14:20

LAB FILE ID

CAL1 = B081616CAL.B\B01CAL.D CAL2 = B081616CAL.B\B02CAL.D CAL3 = B081616CAL.B\B03CAL.D
CAL4 = B081616CAL.B\B04CAL.D CAL5 = B081616CAL.B\B05CAL.D CAL6 = B081616CAL.B\B06CAL.D
CAL7 = B081616CAL.B\B07CAL.D CAL8 = B081616CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Averaged	0.04251	0.04384
Benzene	Averaged	0.98437	1.03897
Bromodichloromethane	Averaged	0.31057	0.32799
Bromoform	Averaged	0.36172	0.36917
Bromomethane	Averaged	0.20164	0.18909
2-Butanone (MEK)	Averaged	0.01905	0.01975
Carbon disulfide	Averaged	0.77866	0.81188
Carbon tetrachloride	Averaged	0.36443	0.38512
Chlorobenzene	Averaged	0.94471	0.98435
Chloroethane	Averaged	0.20251	0.19295
Chloroform	Averaged	0.43041	0.45021
Chloromethane	Averaged	0.35790	0.39277
Cyclohexane	Averaged	0.41208	0.42953
1,2-Dibromo-3-chloropropane	Averaged	0.09534	0.09141
Dibromochloromethane	Averaged	0.31000	0.32441
1,2-Dibromoethane (EDB)	Averaged	0.23385	0.23515
1,2-Dichlorobenzene	Averaged	1.43648	1.45968
1,3-Dichlorobenzene	Averaged	1.58340	1.58005
1,4-Dichlorobenzene	Averaged	1.57866	1.62514
Dichlorodifluoromethane	Averaged	0.37763	0.37328
1,1-Dichloroethane	Averaged	0.44700	0.46589
1,2-Dichloroethane	Averaged	0.27534	0.28653
1,1-Dichloroethene	Averaged	0.22315	0.23729
cis-1,2-Dichloroethene	Averaged	0.27116	0.28833
trans-1,2-Dichloroethene	Averaged	0.25695	0.26838
1,2-Dichloropropane	Averaged	0.23822	0.24799
cis-1,3-Dichloropropene	Averaged	0.52092	0.53140
trans-1,3-Dichloropropene	Averaged	0.43319	0.45119
Ethylbenzene	Averaged	0.57048	0.58802
2-Hexanone	Averaged	0.14658	0.14696
Isopropylbenzene (Cumene)	Averaged	1.82556	1.87241
Methyl acetate	Averaged	0.15682	0.16132
Methylcyclohexane	Averaged	0.36292	0.37883
Methylene Chloride	Averaged	0.23394	0.24469
4-Methyl-2-pentanone (MIBK)	Averaged	0.21821	0.22165

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-4

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3B GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 08/16/2016 08/16/2016 Calibration Time(s): 10:36 14:20

LAB FILE ID

CAL1 = B081616CAL.B\B01CAL.D CAL2 = B081616CAL.B\B02CAL.D CAL3 = B081616CAL.B\B03CAL.D

CAL4 = B081616CAL.B\B04CAL.D CAL5 = B081616CAL.B\B05CAL.D CAL6 = B081616CAL.B\B06CAL.D

CAL7 = B081616CAL.B\B07CAL.D CAL8 = B081616CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Methyl-tert-butyl ether	Averaged	0.62468	0.65893
Styrene	Averaged	1.10442	1.15228
1,1,2,2-Tetrachloroethane	Averaged	0.53425	0.54156
Tetrachloroethene	Averaged	0.40808	0.43292
Toluene	Averaged	1.52674	1.59998
1,2,4-Trichlorobenzene	Averaged	0.96159	1.01517
1,1,1-Trichloroethane	Averaged	0.41488	0.43761
1,1,2-Trichloroethane	Averaged	0.19374	0.20061
Trichloroethene	Averaged	0.25983	0.27406
Trichlorofluoromethane	Averaged	0.46575	0.46219
1,1,2-Trichlorotrifluoroethane	Averaged	0.27786	0.29875
Vinyl chloride	Averaged	0.37251	0.36575
m&p-Xylene	Averaged	0.68994	0.72237
o-Xylene	Averaged	0.65222	0.66772
4-Bromofluorobenzene (S)	Averaged	0.48101	0.47330
Dibromofluoromethane (S)	Averaged	0.23577	0.23764
Toluene-d8 (S)	Averaged	1.33427	1.31931

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3B GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 08/16/2016 08/16/2016 Calibration Time(s): 10:36 14:20

LAB FILE ID

CAL1 = B081616CAL.B\B01CAL.D CAL2 = B081616CAL.B\B02CAL.D CAL3 = B081616CAL.B\B03CAL.D
CAL4 = B081616CAL.B\B04CAL.D CAL5 = B081616CAL.B\B05CAL.D CAL6 = B081616CAL.B\B06CAL.D
CAL7 = B081616CAL.B\B07CAL.D CAL8 = B081616CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Averaged	13.92213			0.04556	
Benzene	Averaged	5.54668			1.00218	
Bromodichloromethane	Averaged	5.09083			0.29960	
Bromoform	Averaged	7.16696			0.33383	
Bromomethane	Averaged	5.73734			0.18440	
2-Butanone (MEK)	Averaged	6.01195			0.01810	
Carbon disulfide	Averaged	13.76329			0.86204	
Carbon tetrachloride	Averaged	5.28910			0.35454	
Chlorobenzene	Averaged	4.02141			0.95202	
Chloroethane	Averaged	6.04895			0.21371	
Chloroform	Averaged	5.25233			0.43274	
Chloromethane	Averaged	11.92831			0.40365	
Cyclohexane	Averaged	7.31227			0.42846	
1,2-Dibromo-3-chloropropane	Averaged	4.19081			0.09381	
Dibromochloromethane	Averaged	8.81418			0.28838	
1,2-Dibromoethane (EDB)	Averaged	9.04708			0.22305	
1,2-Dichlorobenzene	Averaged	4.37614			1.46904	
1,3-Dichlorobenzene	Averaged	4.22706			1.59085	
1,4-Dichlorobenzene	Averaged	5.87320			1.64270	
Dichlorodifluoromethane	Averaged	3.77225			0.37847	
1,1-Dichloroethane	Averaged	5.72941			0.43192	
1,2-Dichloroethane	Averaged	3.90194			0.27112	
1,1-Dichloroethene	Averaged	5.88887			0.22073	
cis-1,2-Dichloroethene	Averaged	7.72513			0.25877	
trans-1,2-Dichloroethene	Averaged	3.37331			0.25387	
1,2-Dichloropropane	Averaged	4.87255			0.23343	
cis-1,3-Dichloropropene	Averaged	7.14750			0.48664	
trans-1,3-Dichloropropene	Averaged	8.16990			0.40712	
Ethylbenzene	Averaged	2.61668			0.56665	
2-Hexanone	Averaged	3.54833			0.14143	
Isopropylbenzene (Cumene)	Averaged	4.97440			1.78275	
Methyl acetate	Averaged	8.16137			0.15988	
Methylcyclohexane	Averaged	3.48795			0.36020	
Methylene Chloride	Averaged	17.89682			0.27224	
4-Methyl-2-pentanone (MIBK)	Averaged	5.87333			0.20440	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-6

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3B GC Column: Col 1 SDG No.: 50155366

Calibration Date(s): 08/16/2016 08/16/2016 Calibration Time(s): 10:36 14:20

LAB FILE ID

CAL1 = B081616CAL.B\B01CAL.D CAL2 = B081616CAL.B\B02CAL.D CAL3 = B081616CAL.B\B03CAL.D

CAL4 = B081616CAL.B\B04CAL.D CAL5 = B081616CAL.B\B05CAL.D CAL6 = B081616CAL.B\B06CAL.D

CAL7 = B081616CAL.B\B07CAL.D CAL8 = B081616CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Methyl-tert-butyl ether	Averaged	4.98796			0.60652	
Styrene	Averaged	4.89722			1.07652	
1,1,2,2-Tetrachloroethane	Averaged	4.79304			0.52095	
Tetrachloroethene	Averaged	5.99985			0.39175	
Toluene	Averaged	7.77290			1.56544	
1,2,4-Trichlorobenzene	Averaged	6.35796			0.99737	
1,1,1-Trichloroethane	Averaged	4.87709			0.41008	
1,1,2-Trichloroethane	Averaged	4.83735			0.19105	
Trichloroethene	Averaged	4.00307			0.25619	
Trichlorofluoromethane	Averaged	8.25801			0.44733	
1,1,2-Trichlorotrifluoroethane	Averaged	6.12926			0.27333	
Vinyl chloride	Averaged	7.00019			0.36950	
m&p-Xylene	Averaged	3.17597			0.68444	
o-Xylene	Averaged	3.20553			0.64894	
4-Bromofluorobenzene (S)	Averaged	1.71047			0.47403	
Dibromofluoromethane (S)	Averaged	1.59266			0.23418	
Toluene-d8 (S)	Averaged	0.73736			1.32259	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a01cal.d
Lab Smp Id: 8260-CAL1,131976:0
Inj Date : 28-SEP-2016 18:30
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal1,131976:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 18:30 Cal File: a01cal.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	3 Vinyl Chloride	62	1.034	1.034	(0.248)	2334	1.00000	1.06(M)	WP
	6 Trichlorofluoromethane	101	1.343	1.344	(0.322)	2386	1.00000	0.975	
	7 Diethyl ether	74	1.471	1.467	(0.353)	1206	1.00000	1.27	
	9 Acrolein	56	1.541	1.537	(0.370)	3637	20.0000	21.6	
	10 1,1,2trichlorotrifluoroethane	101	1.589	1.590	(0.381)	1813	1.00000	1.00	
	16 allyl chloride	41	1.792	1.788	(0.430)	6353	2.00000	2.19	
	18 Methylene Chloride	84	1.861	1.863	(0.447)	7019	1.00000	1.62	
	19 Acrylonitrile	53	2.006	1.996	(0.481)	1738	4.00000	4.54	
	20 Methyl-tert-butyl ether	73	2.027	2.028	(0.486)	4331	1.00000	1.08(Q)	
	28 1,2-Dichloroethene (cis)	96	2.812	2.818	(0.675)	1858	1.00000	1.04	
	34 Chloroform	83	3.165	3.155	(0.759)	3153	1.00000	1.09	
$	35 Dibromofluoromethane (S)	113	3.330	3.331	(0.799)	76371	50.0000	50.6	
	36 1,1,1-Trichloroethane	97	3.336	3.337	(0.800)	3008	1.00000	1.10	
	37 Cyclohexane	56	3.421	3.422	(0.821)	3321	1.00000	1.01	
	41 Benzene	78	3.768	3.764	(0.904)	7391	1.00000	1.08	
	43 2,2,4-Trimethylpentane	57	3.934	3.945	(0.944)	8308	1.00000	1.00	
	44 Isobutyl alcohol	43	3.891	3.881	(0.933)	11017	1.00000	0.982	
*	45 Fluorobenzene (IS)	96	4.169	4.164	(1.000)	333996	50.0000		
	46 Trichloroethene	95	4.623	4.618	(1.109)	1894	1.00000	1.09	
$	56 Toluene-d8 (S)	98	6.022	6.018	(0.820)	271108	50.0000	48.6	
	57 Toluene	91	6.097	6.092	(0.830)	7277	1.00000	1.10	
	64 Dibromochloromethane	129	6.893	6.888	(0.939)	1120	1.00000	1.01	
*	66 Chlorobenzene-D5 (IS)	117	7.341	7.342	(1.000)	179920	50.0000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	67 Chlorobenzene	112	7.368	7.364	(1.004)	4148	1.00000	1.12	
	68 1,1,1,2-Tetrachloroethane	131	7.443	7.444	(1.014)	1148	1.00000	0.983(Q)	
	69 Ethylbenzene	106	7.448	7.449	(1.015)	2077	1.00000	1.02	
	70 m&p-Xylene	106	7.550	7.545	(1.028)	5048	2.00000	2.02	
	71 o-Xylene	106	7.806	7.807	(1.063)	2407	1.00000	1.04	
	72 Styrene	104	7.827	7.823	(1.066)	3266	1.00000	0.874	
	74 Isopropylbenzene	105	8.052	8.053	(1.097)	6334	1.00000	0.990	
$	75 4-Bromofluorobenzene (S)	95	8.164	8.165	(1.112)	75541	50.0000	47.1	
	76 Bromobenzene	77	8.244	8.245	(1.123)	2201	1.00000	1.05	
	80 n-Propylbenzene	91	8.313	8.309	(0.940)	7135	1.00000	1.01	
	81 2-Chlorotoluene	91	8.361	8.362	(0.946)	3899	1.00000	0.991	
	82 1,3,5-Trimethylbenzene	105	8.420	8.421	(0.952)	4462	1.00000	0.938	
	83 4-Chlorotoluene	126	8.442	8.437	(0.955)	1335	1.00000	0.959	
	84 tert-Butylbenzene	119	8.602	8.603	(0.973)	4719	1.00000	0.869	
	85 1,2,4-Trimethylbenzene	105	8.639	8.635	(0.977)	4926	1.00000	1.03	
	86 sec-Butylbenzene	105	8.730	8.726	(0.987)	6325	1.00000	0.980	
	87 1,3-Dichlorobenzene	146	8.799	8.795	(0.995)	2852	1.00000	1.13	
	88 p-Isopropyltoluene	119	8.815	8.811	(0.997)	5245	1.00000	0.975	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.843	(1.000)	78382	50.0000		
	90 1,4-Dichlorobenzene	146	8.853	8.854	(1.001)	3086	1.00000	1.18	
	91 n-Butylbenzene	91	9.034	9.030	(1.022)	4685	1.00000	0.964	
	92 1,2-Dichlorobenzene	146	9.045	9.046	(1.023)	2604	1.00000	1.14(M)	WP
	96 Naphthalene	128	10.001	10.002	(1.131)	3614	1.00000	1.17	
	98 2,methyl-naphthalene	142	10.631	10.632	(1.202)	2237	1.00000	1.11(M)	NI
	99 1-Methylnaphthalene	142	10.749	10.745	(1.216)	1840	1.00000	1.07(M)	NI

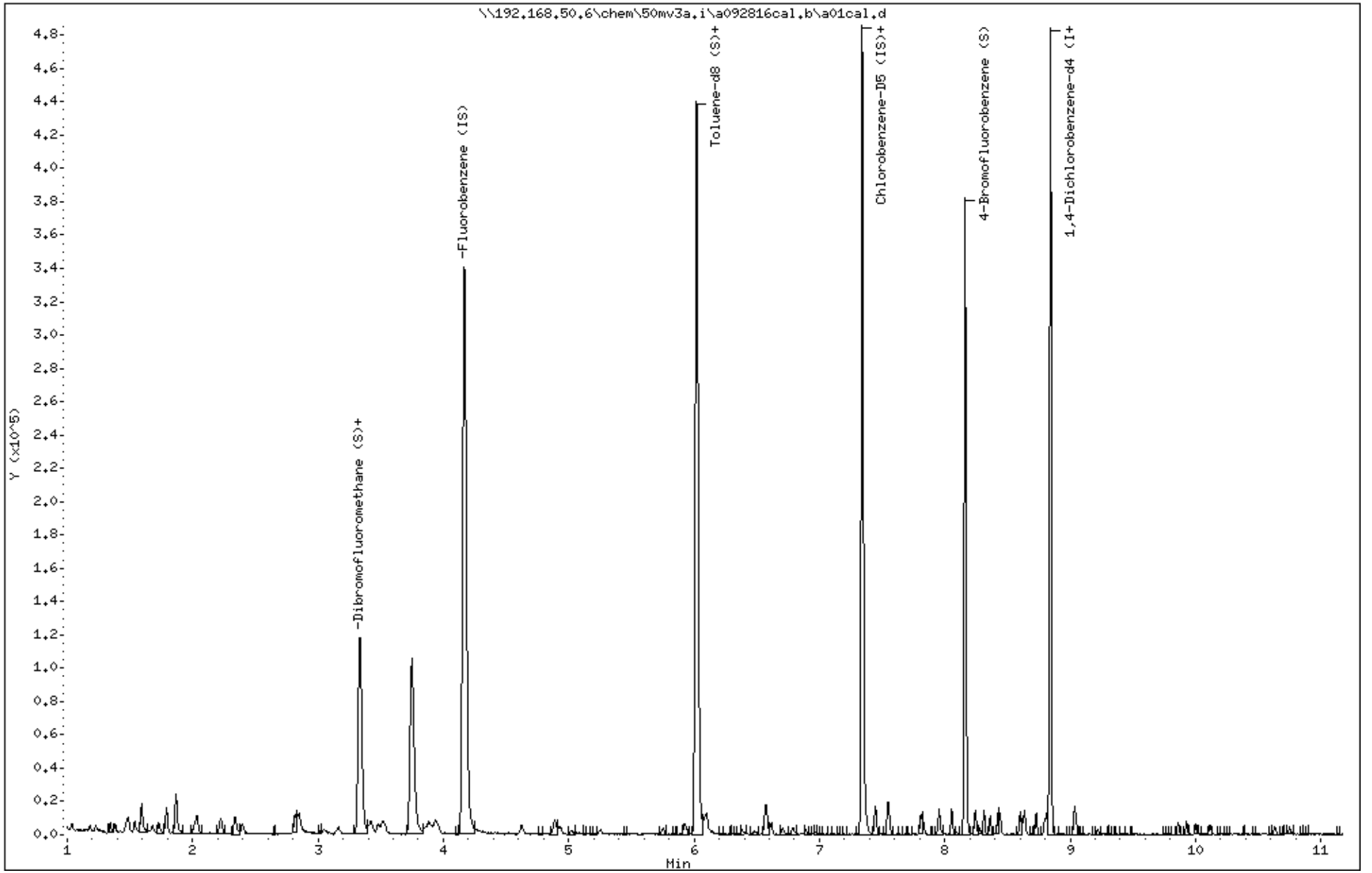
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

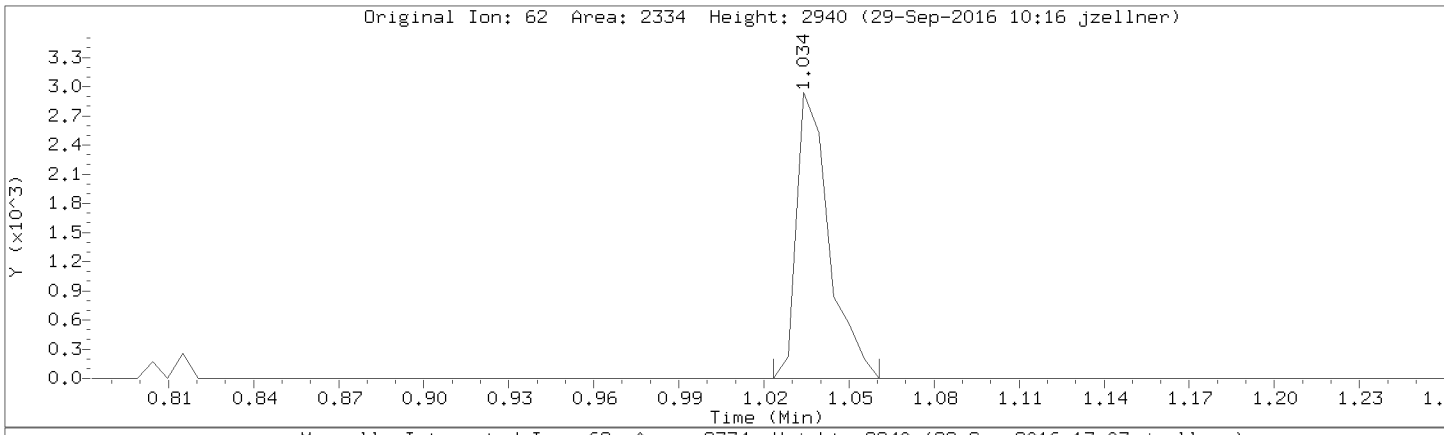
:
WP: Indicates that the wrong peak was chosen by the data system.
NI: Indicates that the peak was not integrated at all by the computer software.

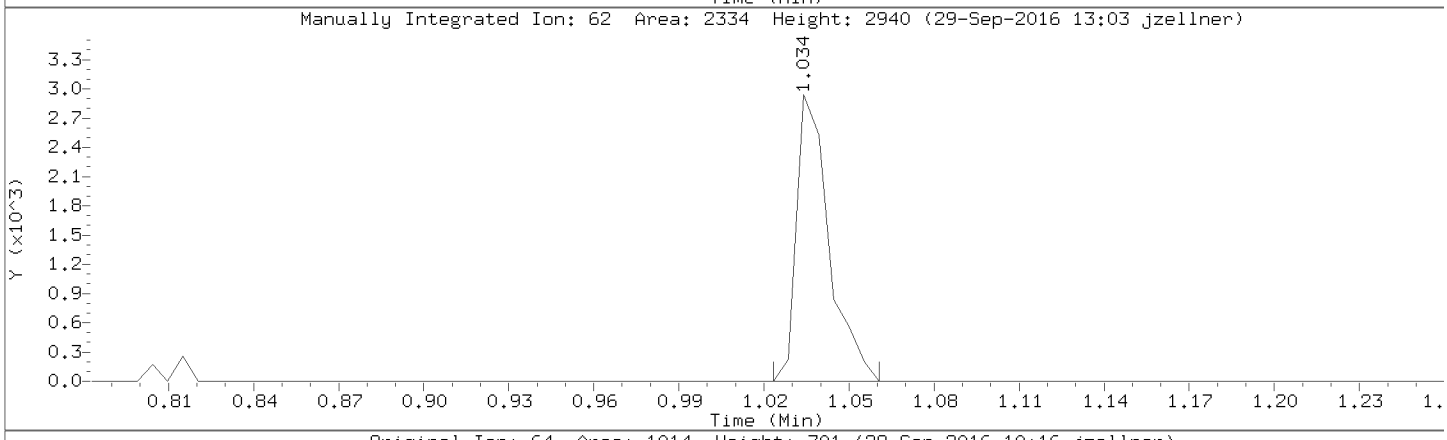
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a01cal.d
Date : 28-SEP-2016 18:30
Client ID:
Instrument: 50mv3a.i
Sample Info: 8260-CAL1,131976:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18

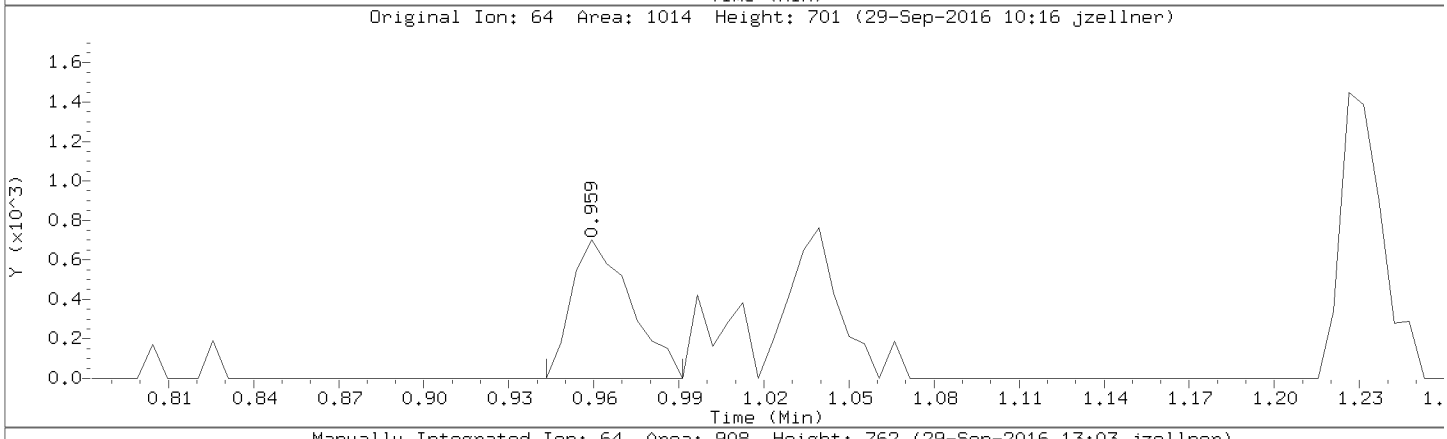


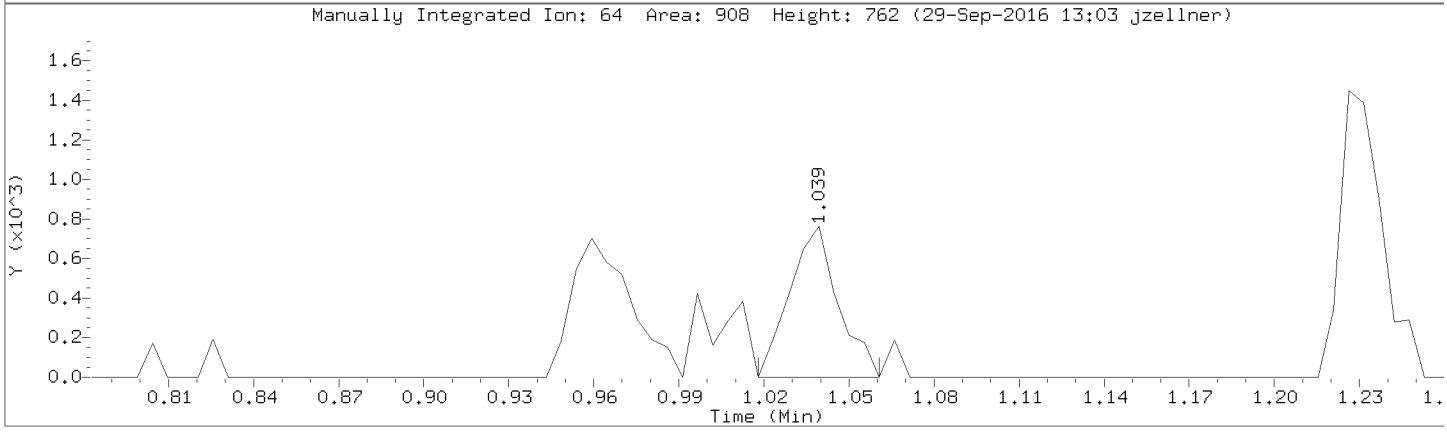
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a01cal.d
Injection Date: 28-SEP-2016 18:30
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,131976:0

Compound: Vinyl Chloride Review Code: WP
CAS Number: 75-01-4









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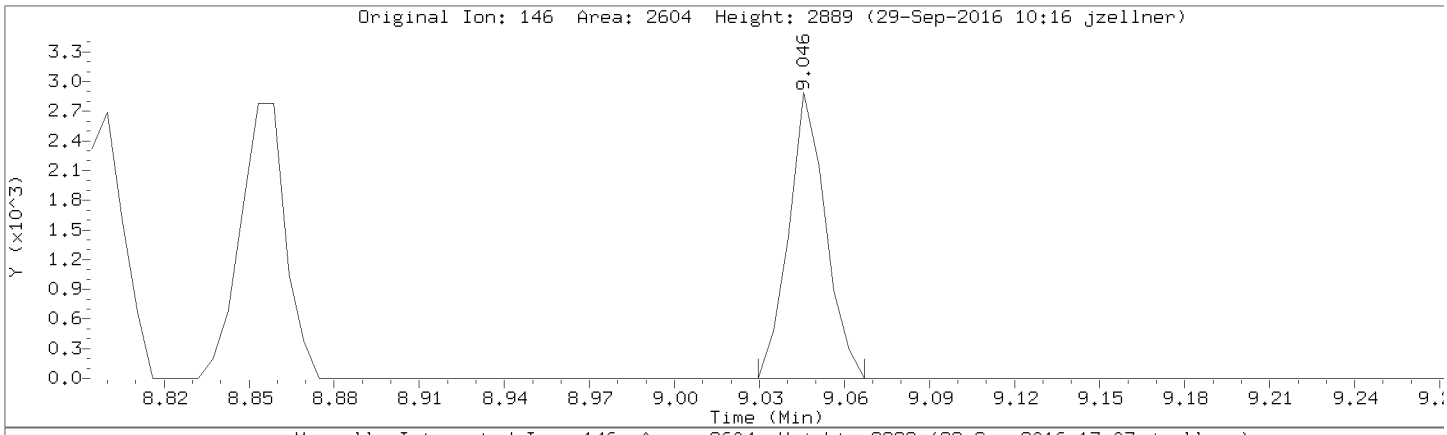
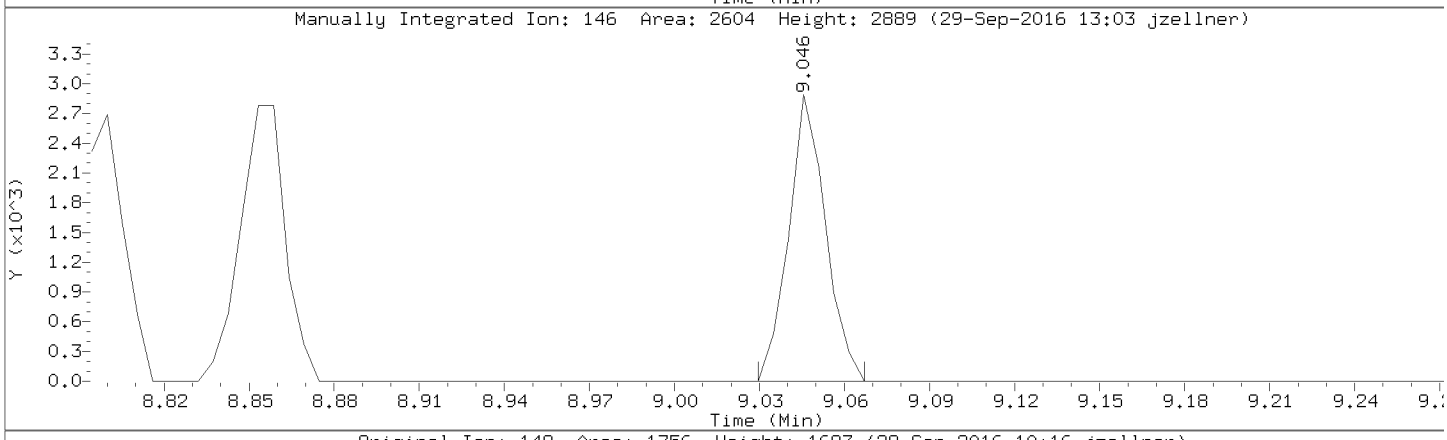
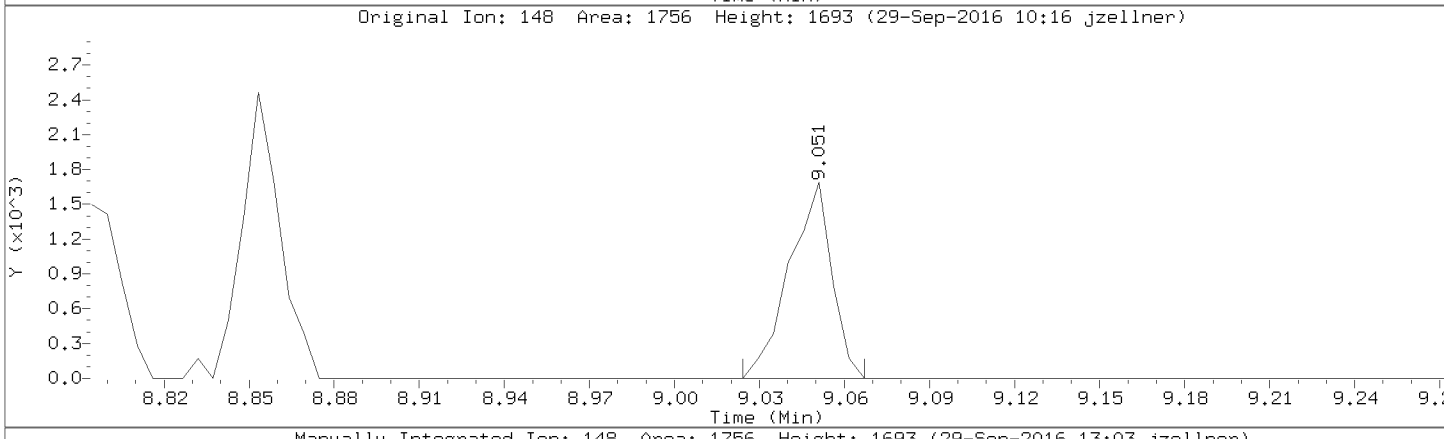
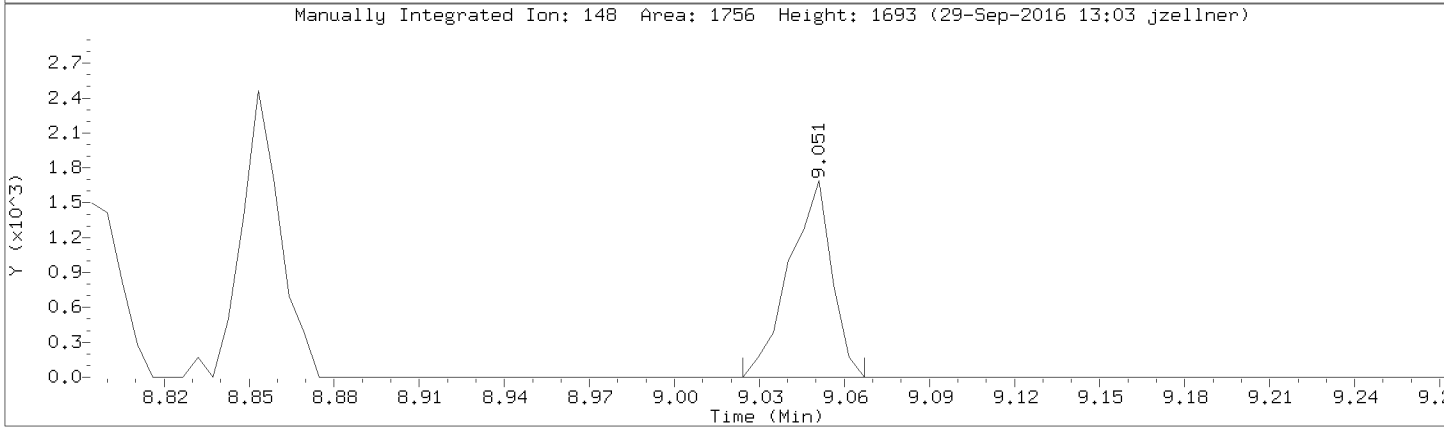
Injection Date: 28-SEP-2016 18:30
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,131976:0

Compound: 1,2-Dichlorobenzene Review Code: WP
CAS Number: 95-50-1









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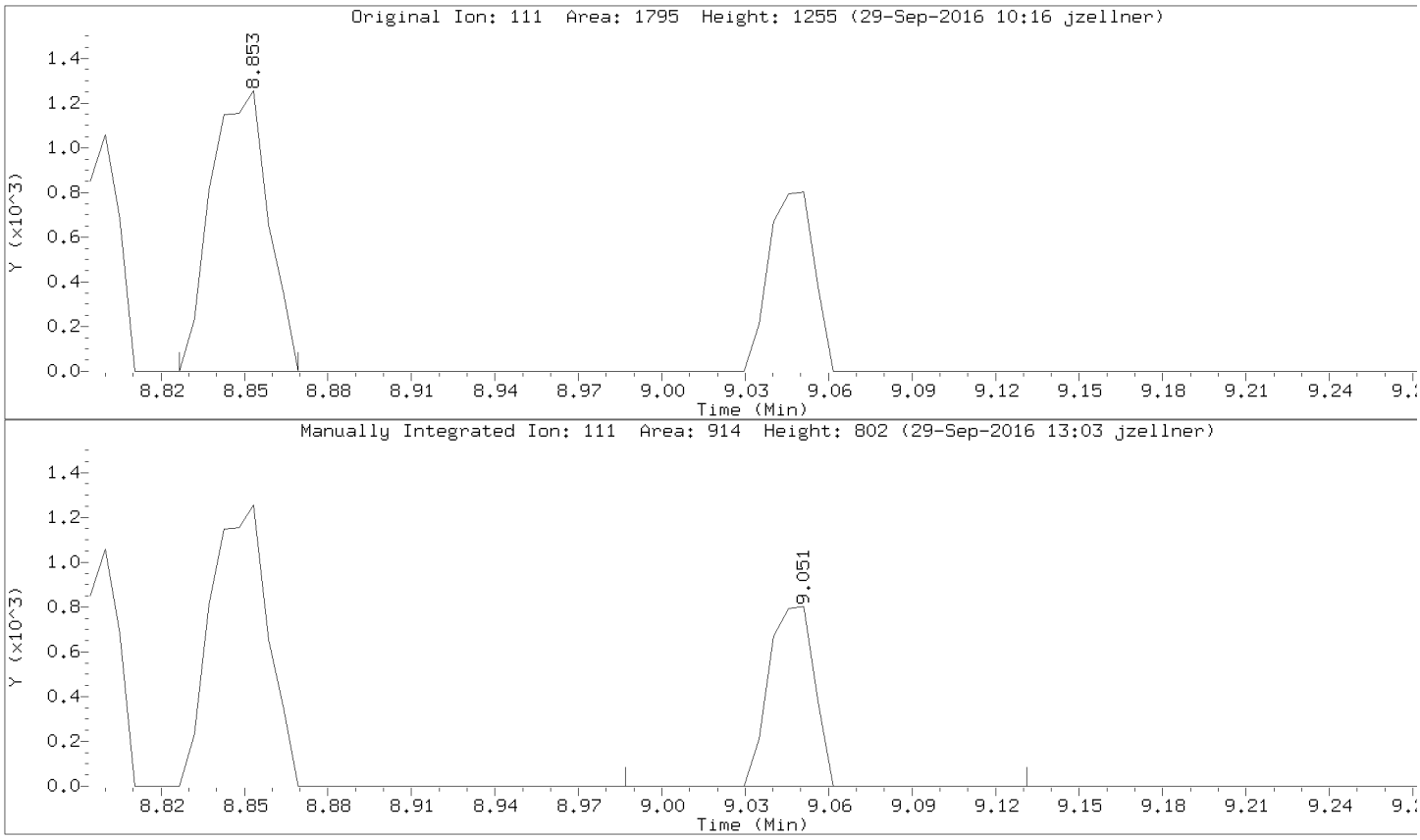
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,131976:0



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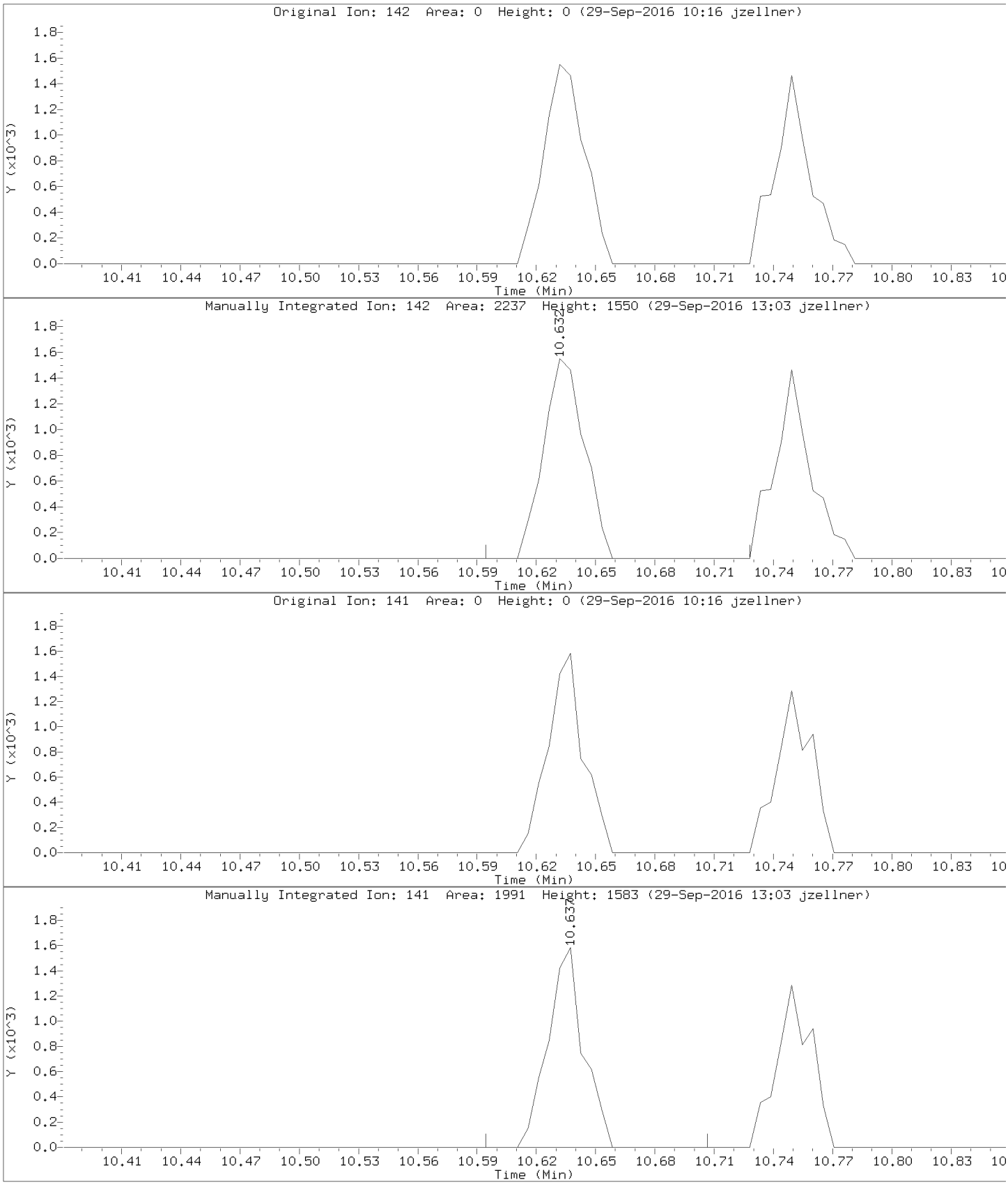
Injection Date: 28-SEP-2016 18:30
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,131976:0

Compound: 2,methyl-naphthalene Review Code: NI
CAS Number:



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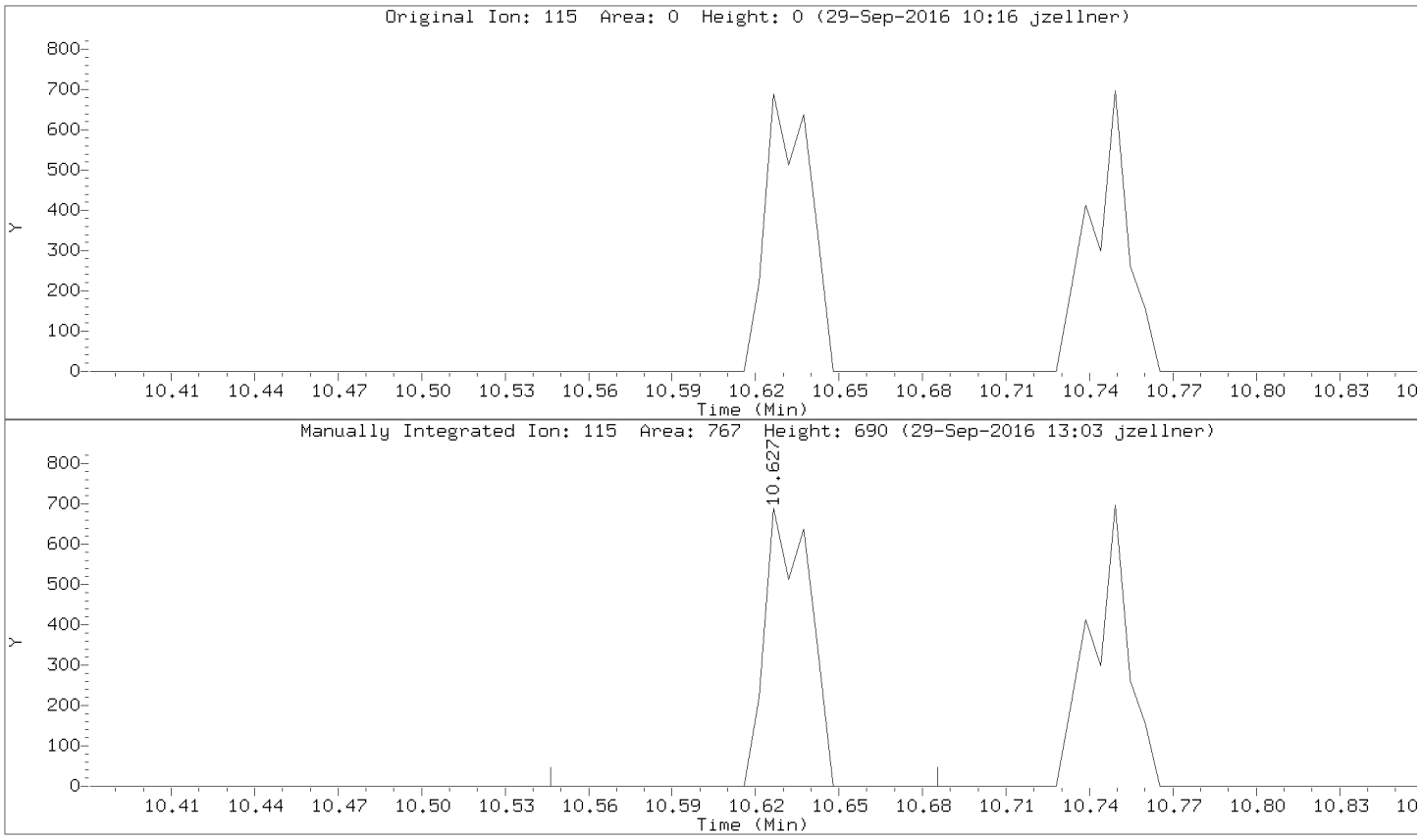
Injection Date: 28-SEP-2016 18:30
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,131976:0



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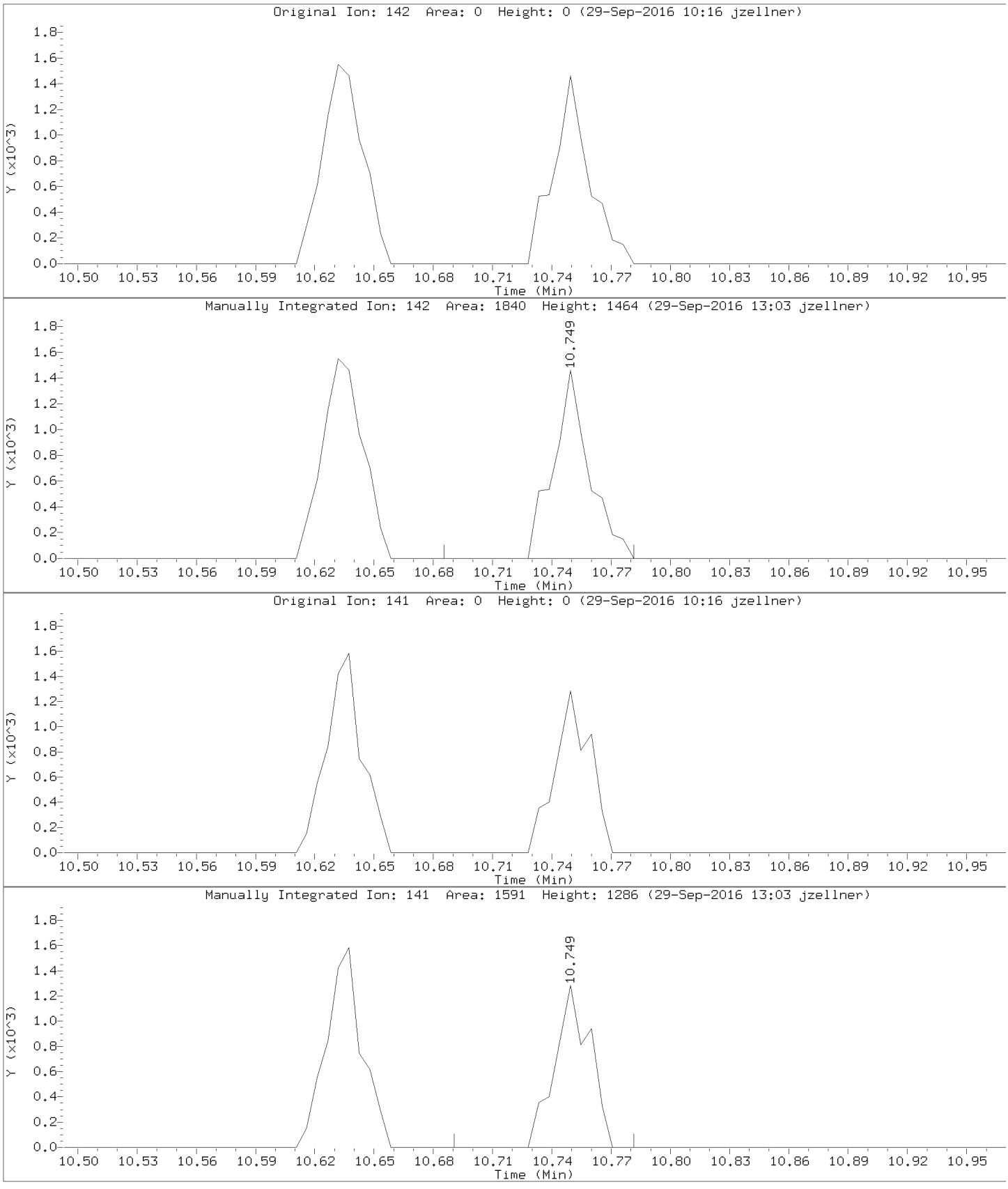
Injection Date: 28-SEP-2016 18:30
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,131976:0

Compound: 1-Methylnaphthalene Review Code: NI
CAS Number: 90-12-0



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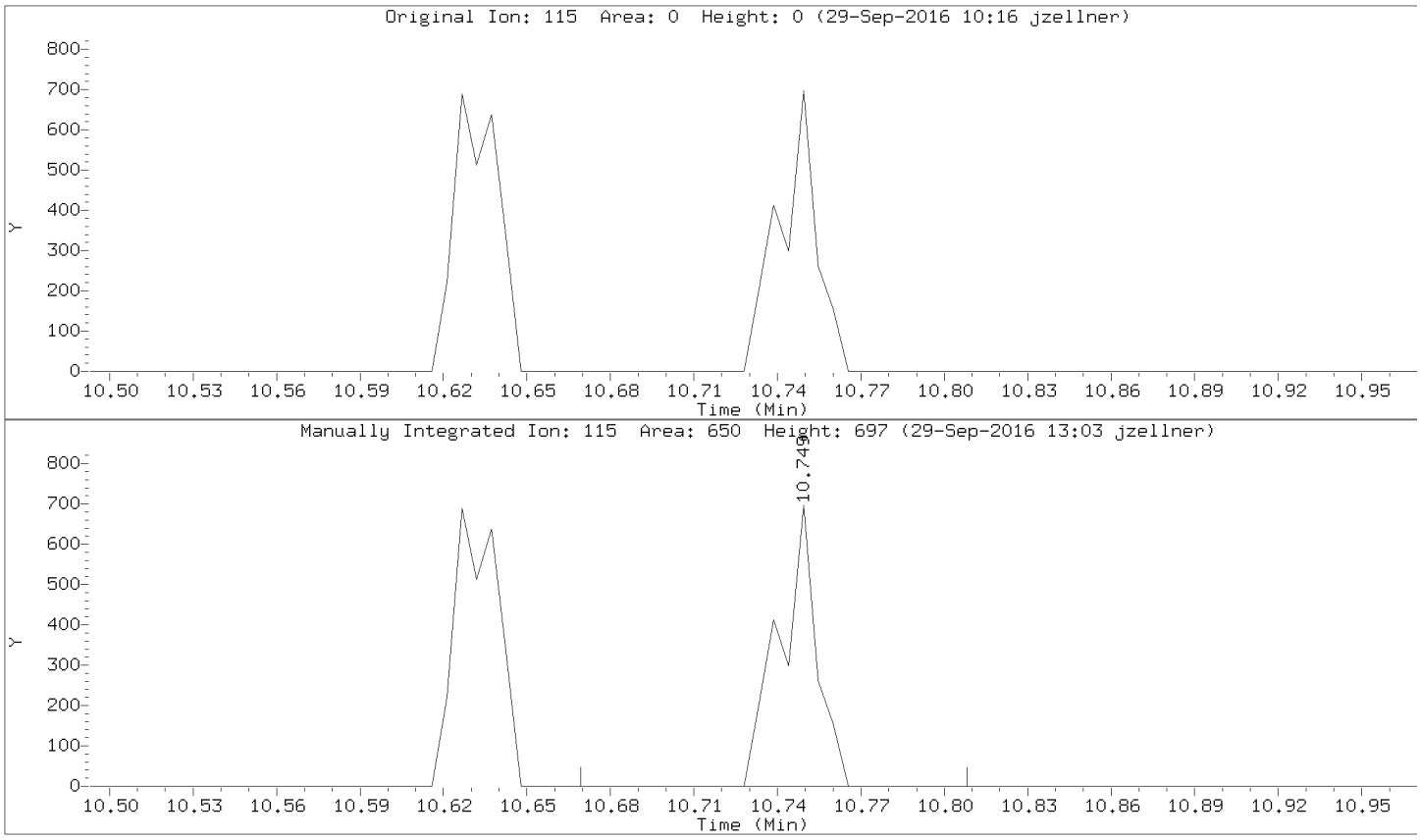

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a02cal.d
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Inj Date : 28-SEP-2016 19:03
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal2,131977:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 19:03 Cal File: a02cal.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.910	0.906	(0.218)	3492	2.00000	2.07(M)	NI
2	Chloromethane	50	0.990	0.992	(0.238)	4366	2.00000	2.10	
3	Vinyl Chloride	62	1.038	1.034	(0.249)	3891	2.00000	1.78	
4	Bromomethane	94	1.183	1.184	(0.284)	1816	2.00000	1.80	
5	Chloroethane	64	1.231	1.227	(0.295)	2581	2.00000	2.00(M)	NI
6	Trichlorofluoromethane	101	1.343	1.344	(0.322)	4848	2.00000	2.00	
7	Diethyl ether	74	1.471	1.467	(0.353)	1624	2.00000	1.73	
8	1,2-dichlorotrifluoroethane	67	1.482	1.483	(0.356)	4068	2.00000	1.94	
9	Acrolein	56	1.541	1.537	(0.370)	6888	40.0000	41.2	
10	1,1,2trichlorotrifluoroethane	101	1.594	1.590	(0.382)	3168	2.00000	1.76	
11	1,1-Dichloroethene	96	1.594	1.595	(0.382)	2664	2.00000	1.81	
12	Acetone	43	1.610	1.606	(0.386)	4176	10.0000	14.0(M)	NI
13	Iodomethane	142	1.679	1.681	(0.403)	3926	4.00000	2.84	
14	Carbon Disulfide	76	1.733	1.729	(0.416)	9369	2.00000	2.06	
15	Methyl Acetate	43	1.781	1.772	(0.427)	2041	2.00000	2.27(M)	NI
16	allyl chloride	41	1.792	1.788	(0.430)	9803	4.00000	3.40	
17	Acetonitrile	39	1.792	1.788	(0.430)	7473	2.00000	1.80	
18	Methylene Chloride	84	1.866	1.863	(0.448)	7434	2.00000	1.96	
19	Acrylonitrile	53	2.000	1.996	(0.480)	2589	8.00000	6.82	
20	Methyl-tert-butyl ether	73	2.027	2.028	(0.486)	6923	2.00000	1.74	
21	tert-Butyl Alcohol	59	1.904	1.905	(0.457)	567	4.00000	4.97(QM)	NI
22	1,2-Dichloroethene (trans)	96	2.037	2.039	(0.489)	2934	2.00000	1.77	
23	n-Hexane	57	2.224	2.220	(0.534)	5734	2.00000	1.75(M)	NI

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.336	2.332	(0.561)	17784	8.00000	6.85	
	25 1,1-Dichloroethane	63	2.342	2.343	(0.562)	5319	2.00000	1.71(M)	NI
	26 Chloroprene	53	2.406	2.396	(0.577)	5323	2.00000	1.66(M)	NI
	27 2-Butanone	72	2.817	2.802	(0.676)	1078	10.0000	9.72(QM)	NI
	28 1,2-Dichloroethene (cis)	96	2.817	2.818	(0.676)	2942	2.00000	1.66(Q)	
	29 2,2-Dichloropropane	77	2.822	2.824	(0.677)	4147	2.00000	1.69(M)	NI
	31 Methacrylonitrile	41	3.031	3.005	(0.727)	875	2.00000	1.19(M)	NI
	32 Bromochloromethane	49	3.052	3.048	(0.732)	2394	2.00000	1.88	
	33 Tetrahydrofuran	42	3.068	3.069	(0.736)	1066	2.00000	3.19(M)	NI
	34 Chloroform	83	3.159	3.155	(0.758)	5110	2.00000	1.78	
$	35 Dibromofluoromethane (S)	113	3.335	3.331	(0.800)	74588	50.0000	49.8	
	36 1,1,1-Trichloroethane	97	3.335	3.337	(0.800)	5025	2.00000	1.85	
	37 Cyclohexane	56	3.415	3.422	(0.819)	5629	2.00000	1.73	
	38 n-Butyl chloride	56	3.490	3.481	(0.837)	6933	2.00000	1.71(M)	NI
	39 Carbon Tetrachloride	117	3.511	3.518	(0.842)	3585	2.00000	1.58(M)	NI
	40 1,1-Dichloropropene	75	3.522	3.523	(0.845)	4470	2.00000	1.83	
	41 Benzene	78	3.773	3.764	(0.905)	12661	2.00000	1.86	
	42 1,2-Dichloroethane	62	3.853	3.849	(0.924)	4268	2.00000	2.06(M)	NI
	43 2,2,4-Trimethylpentane	57	3.944	3.945	(0.946)	13375	2.00000	1.63	
	44 Isobutyl alcohol	43	3.896	3.881	(0.935)	18113	2.00000	1.63	
*	45 Fluorobenzene (IS)	96	4.168	4.164	(1.000)	331106	50.0000		
	46 Trichloroethene	95	4.633	4.618	(1.111)	3278	2.00000	1.90	
	47 Methylcyclohexane	55	4.884	4.885	(1.172)	4327	2.00000	1.63	
	48 1,2-Dichloropropane	63	4.927	4.923	(1.182)	3012	2.00000	1.88(M)	NI
	49 Dibromomethane	93	5.023	5.019	(1.205)	1362	2.00000	1.86(M)	NI
	51 Methyl methacrylate	69	5.066	5.040	(1.215)	1139	2.00000	1.59(M)	NI
	52 Bromodichloromethane	83	5.247	5.243	(1.259)	3446	2.00000	1.87(M)	NI
	53 2-Chloroethyl vinyl ether	63	5.616	5.601	(0.764)	240	4.00000	(QM)	NI
	54 cis-1,3-Dichloropropene	75	5.749	5.745	(0.783)	3227	2.00000	1.61(M)	NI
	55 4-Methyl-2-Pentanone	43	5.926	5.916	(0.807)	7230	10.0000	7.88	
$	56 Toluene-d8 (S)	98	6.022	6.018	(0.820)	260892	50.0000	47.4	
	57 Toluene	91	6.096	6.092	(0.830)	12775	2.00000	1.95	
	58 trans-1,3-Dichloropropene	75	6.385	6.381	(0.869)	2630	2.00000	1.62(M)	NI
	59 Ethyl Methacrylate	69	6.470	6.466	(0.881)	1918	2.00000	1.60(M)	NI
	60 1,1,2-Trichloroethane	83	6.561	6.563	(0.893)	1418	2.00000	1.82(M)	NI
	61 Tetrachloroethene	166	6.615	6.616	(0.900)	2578	2.00000	1.74	
	62 1,3-Dichloropropane	76	6.705	6.707	(0.913)	3141	2.00000	1.92(M)	NI
	63 2-Hexanone	43	6.780	6.776	(0.923)	4737	10.0000	8.14(M)	NI
	64 Dibromochloromethane	129	6.887	6.888	(0.937)	1796	2.00000	1.65	
	65 1,2-Dibromoethane	107	6.972	6.974	(0.949)	1458	2.00000	1.74	
*	66 Chlorobenzene-D5 (IS)	117	7.346	7.342	(1.000)	177638	50.0000		
	67 Chlorobenzene	112	7.368	7.364	(1.003)	6536	2.00000	1.79	
	68 1,1,1,2-Tetrachloroethane	131	7.442	7.444	(1.013)	1827	2.00000	1.58	
	69 Ethylbenzene	106	7.448	7.449	(1.014)	3436	2.00000	1.71	
	70 m&p-Xylene	106	7.549	7.545	(1.028)	8399	4.00000	3.41	
	71 o-Xylene	106	7.811	7.807	(1.063)	3935	2.00000	1.73	
	72 Styrene	104	7.827	7.823	(1.065)	5995	2.00000	1.62	
	73 Bromoform	173	7.944	7.941	(0.899)	996	2.00000	1.84(M)	NI
	74 Isopropylbenzene	105	8.051	8.053	(1.096)	10034	2.00000	1.59	
$	75 4-Bromofluorobenzene (S)	95	8.163	8.165	(1.111)	75996	50.0000	48.0	
	76 Bromobenzene	77	8.244	8.245	(1.122)	3587	2.00000	1.73	
	77 1,1,2,2-Tetrachloroethane	83	8.254	8.256	(0.934)	1808	2.00000	1.85	
	78 trans-1,4-Dichloro-2-butene	53	8.276	8.277	(1.126)	501	2.00000	1.73(QM)	NI
	79 1,2,3-Trichloropropane	110	8.281	8.282	(0.937)	548	2.00000	1.77(QM)	NI

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	80 n-Propylbenzene	91	8.313	8.309	(0.940)	12263	2.00000	1.76	
	81 2-Chlorotoluene	91	8.361	8.362	(0.946)	7129	2.00000	1.83	
	82 1,3,5-Trimethylbenzene	105	8.420	8.421	(0.952)	7949	2.00000	1.69	
	83 4-Chlorotoluene	126	8.436	8.437	(0.954)	2535	2.00000	1.84	
	84 tert-Butylbenzene	119	8.601	8.603	(0.973)	9600	2.00000	1.78	
	85 1,2,4-Trimethylbenzene	105	8.639	8.635	(0.977)	8464	2.00000	1.78	
	86 sec-Butylbenzene	105	8.724	8.726	(0.987)	10690	2.00000	1.67	
	87 1,3-Dichlorobenzene	146	8.799	8.795	(0.995)	4793	2.00000	1.92	
	88 p-Isopropyltoluene	119	8.815	8.811	(0.997)	8413	2.00000	1.58	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.843	(1.000)	77635	50.0000		
	90 1,4-Dichlorobenzene	146	8.852	8.854	(1.001)	5168	2.00000	2.00	
	91 n-Butylbenzene	91	9.034	9.030	(1.022)	8512	2.00000	1.77	
	92 1,2-Dichlorobenzene	146	9.045	9.046	(1.023)	4155	2.00000	1.84	
	93 1,2,4-Trichlorobenzene	180	9.862	9.858	(1.115)	2632	2.00000	1.76(M)	NI
	94 1,2-Dibromo-3-chloropropane	155	9.456	9.457	(1.069)	85	2.00000	0.676(QM)	NI
	95 Hexachlorobutadiene	225	9.926	9.927	(1.123)	1794	2.00000	1.96(M)	NI
	96 Naphthalene	128	10.001	10.002	(1.131)	5596	2.00000	1.83	
	97 1,2,3-Trichlorobenzene	180	10.113	10.114	(1.144)	2705	2.00000	1.91(M)	NI
	98 2,methyl-naphthalene	142	10.631	10.632	(1.202)	3435	2.00000	1.72	
	99 1-Methylnaphthalene	142	10.749	10.745	(1.216)	2557	2.00000	1.50	

QC Flag Legend

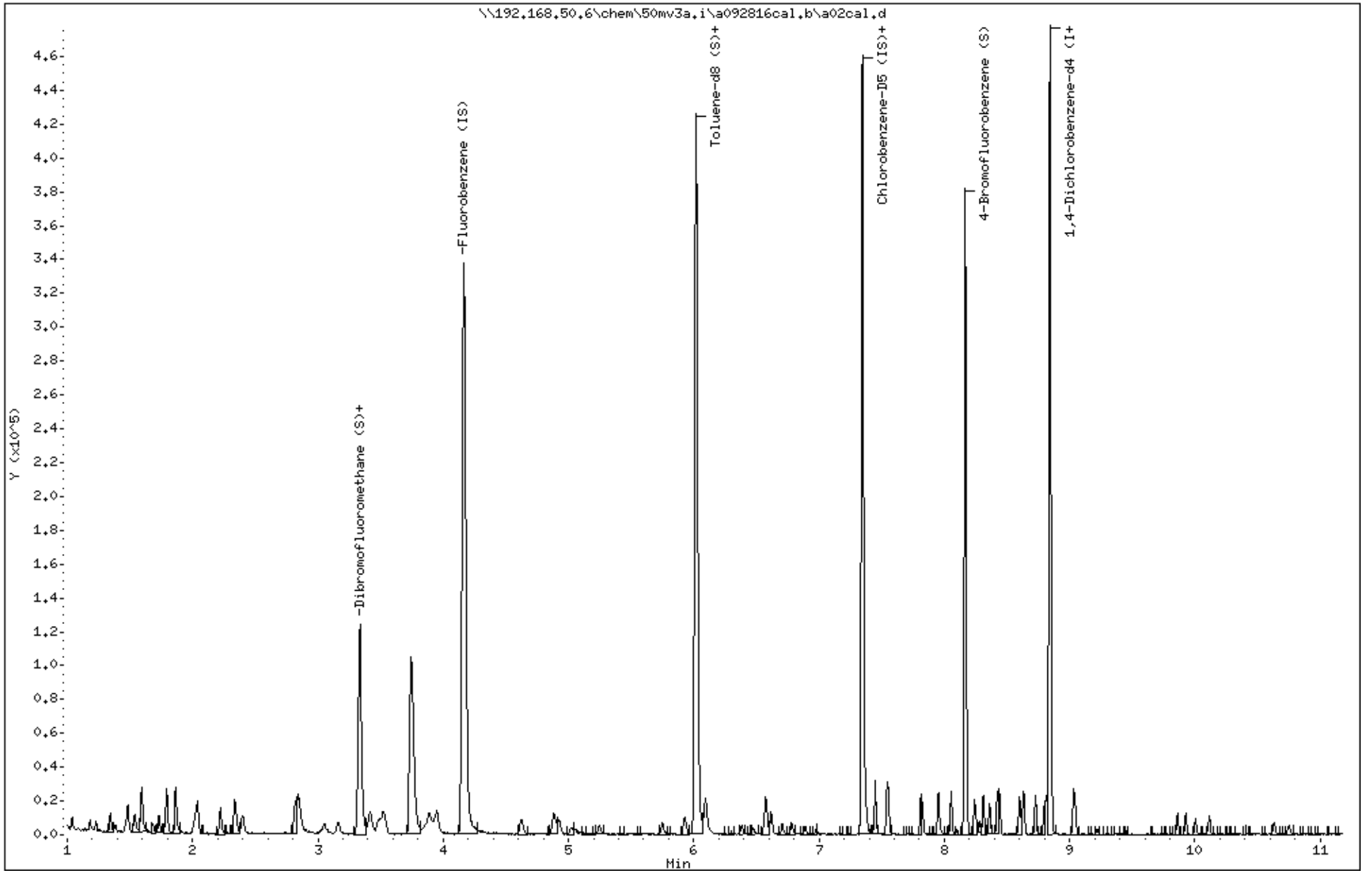
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

NI: Indicates that the peak was not integrated at all by the computer software.
:

Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a02cal.d
Date : 28-SEP-2016 19:03
Client ID:
Sample Info: 8260-CAL2,131977:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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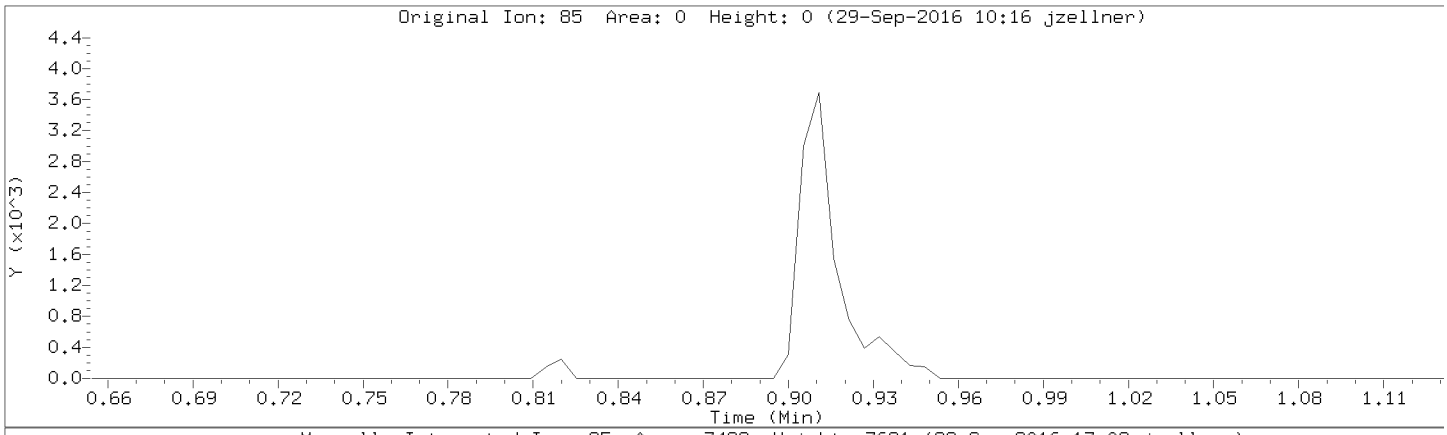
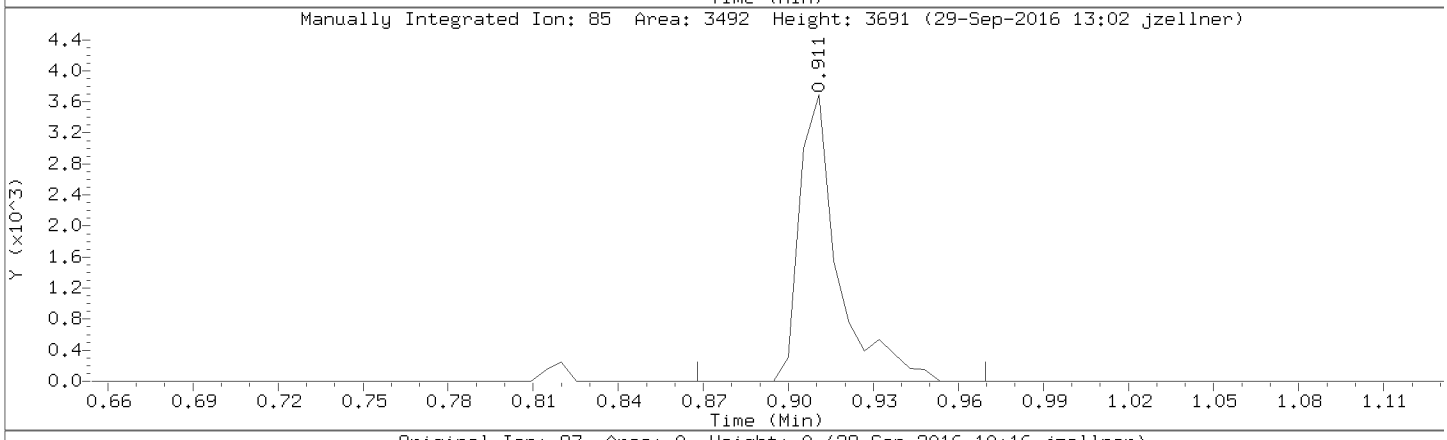
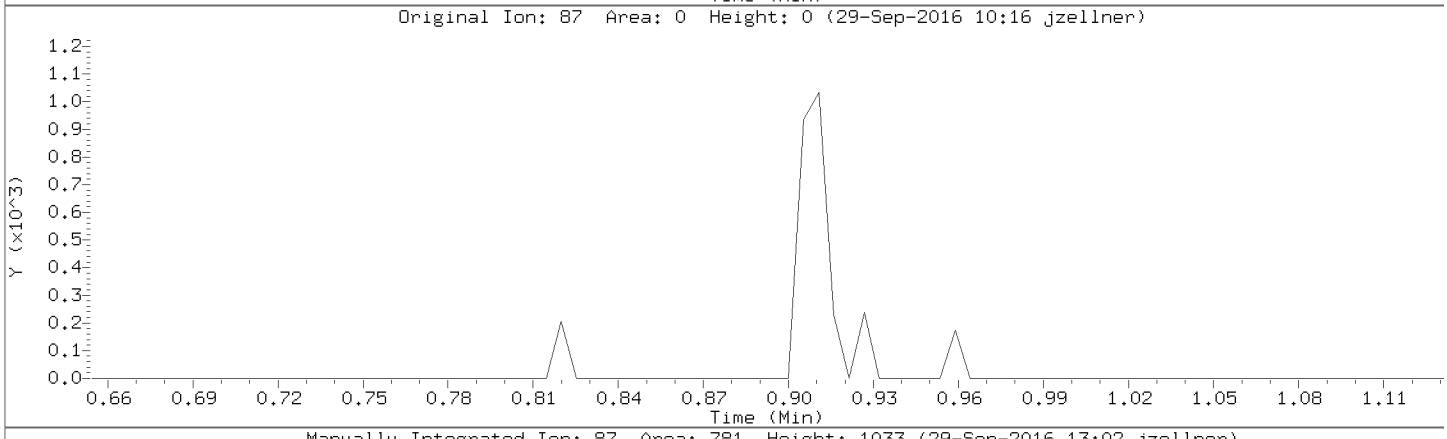
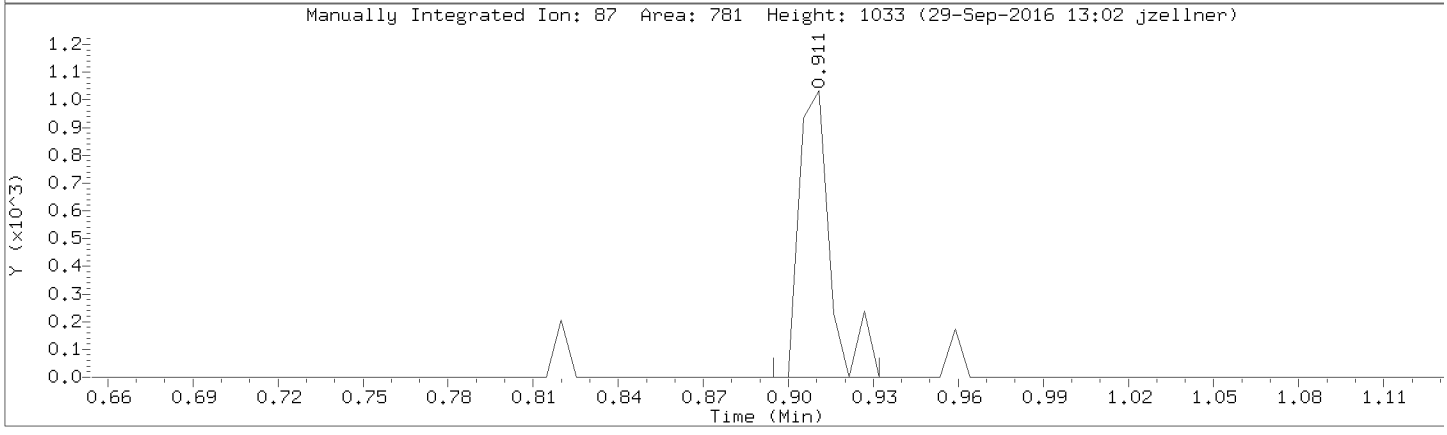
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Dichlorodifluoromethane Review Code: NI
CAS Number: 75-71-8









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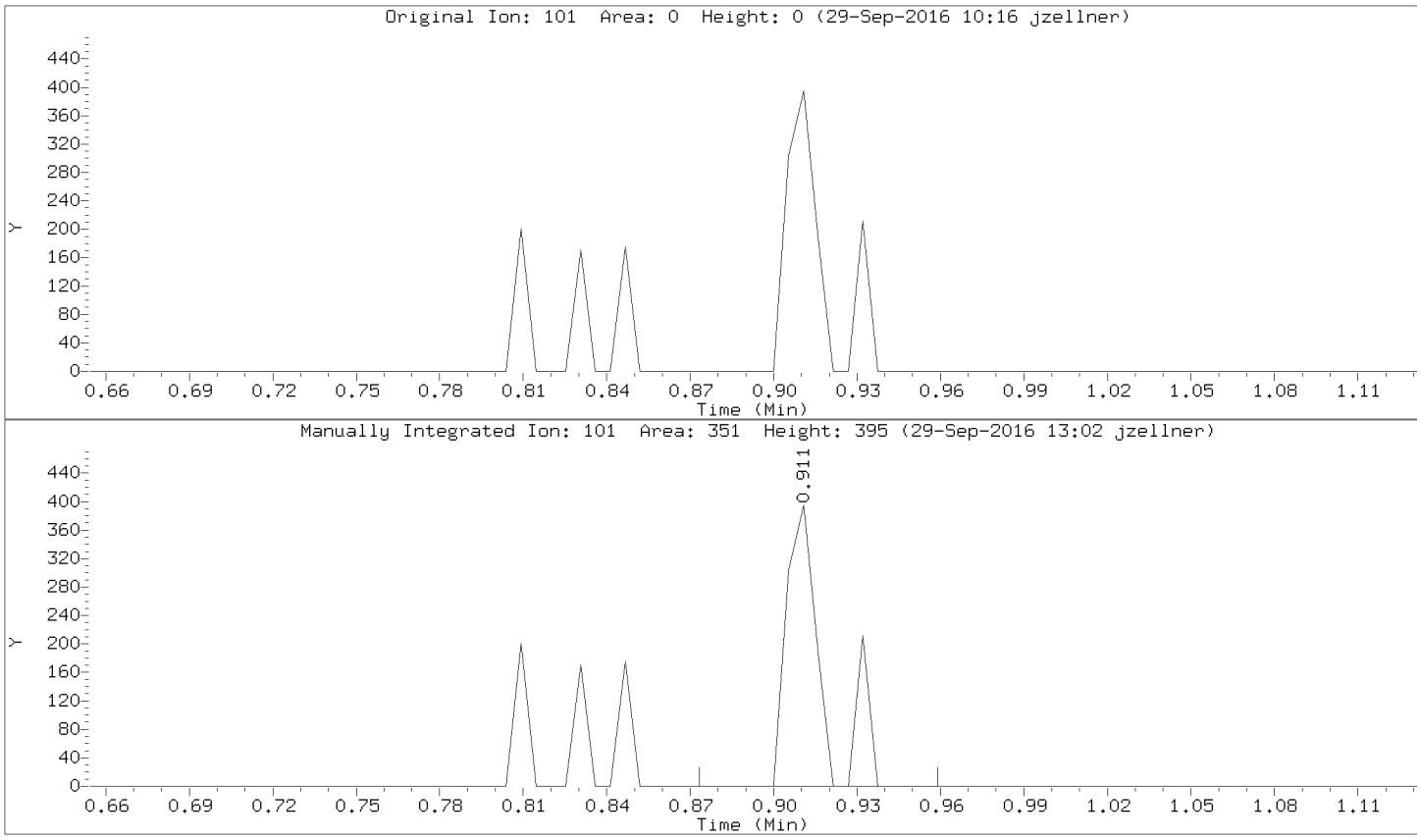
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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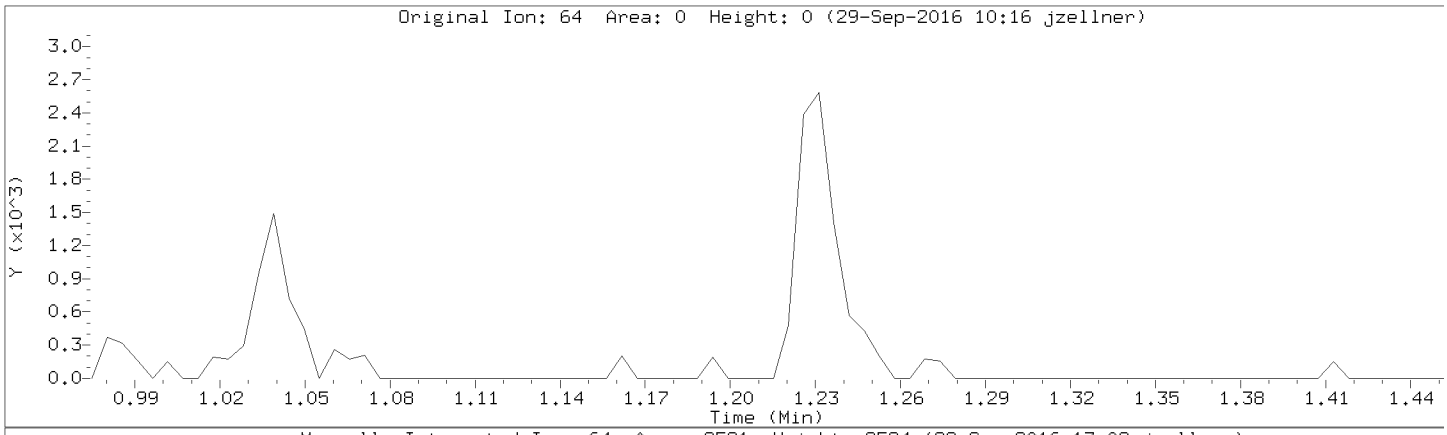
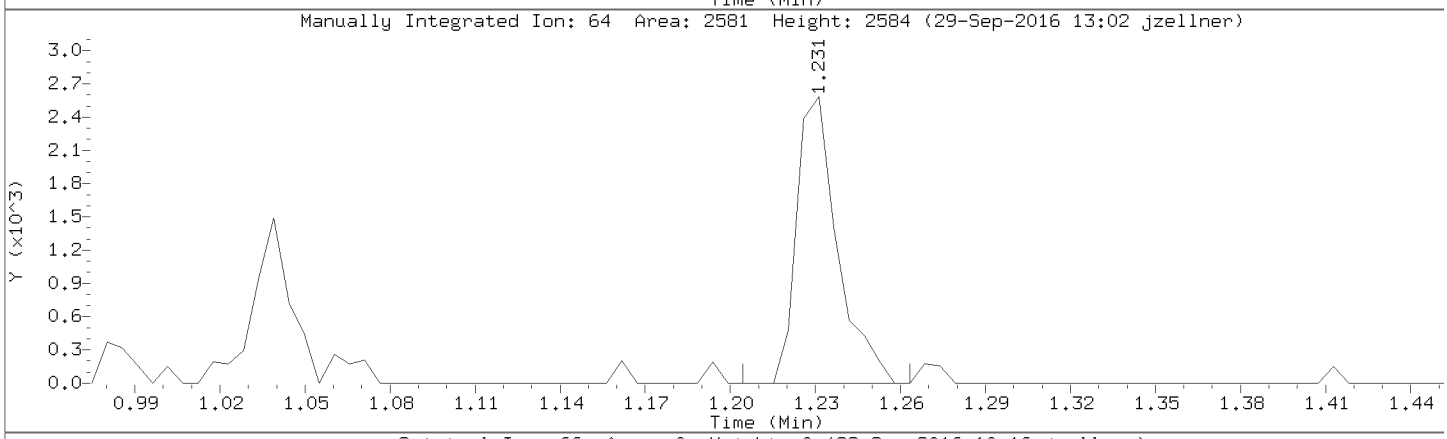
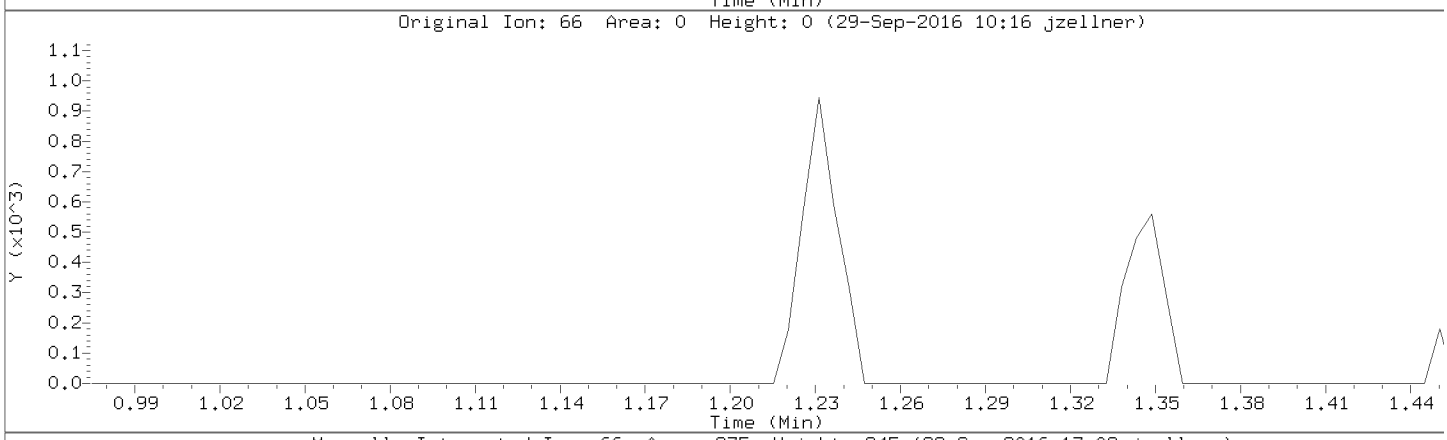
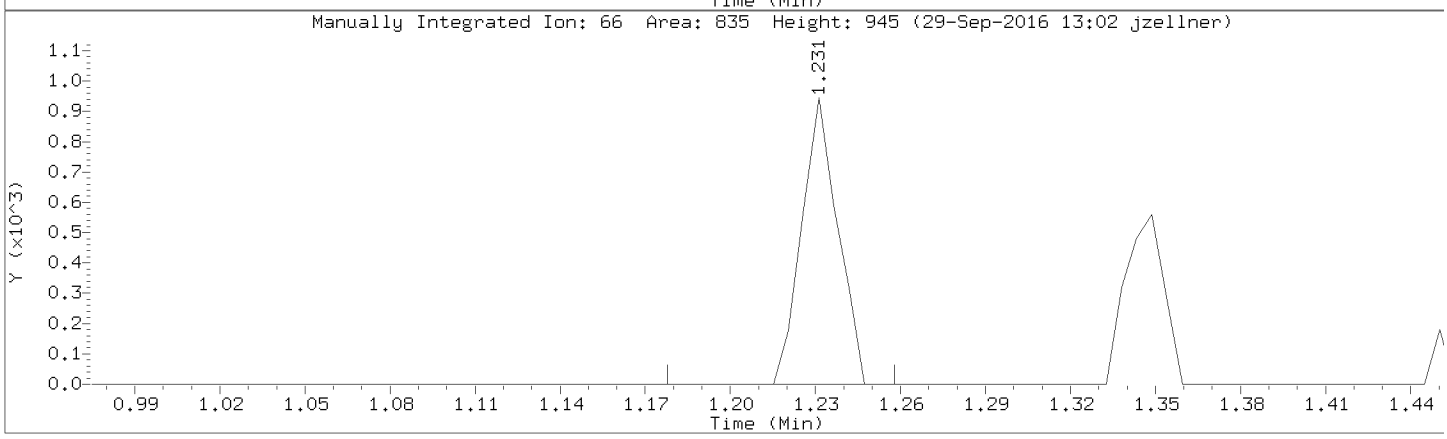
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Chloroethane Review Code: NI
CAS Number: 75-00-3



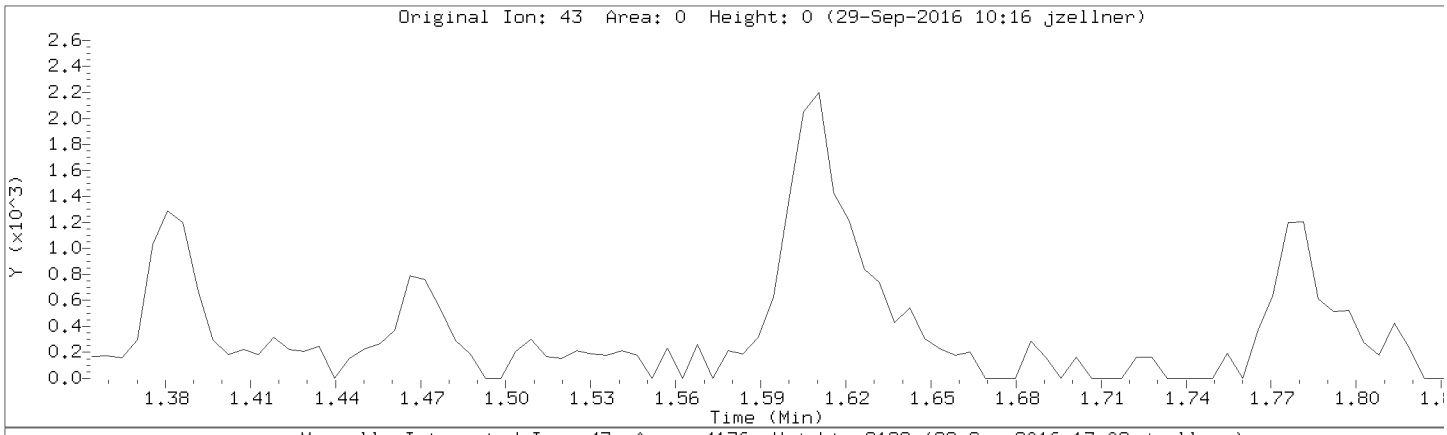


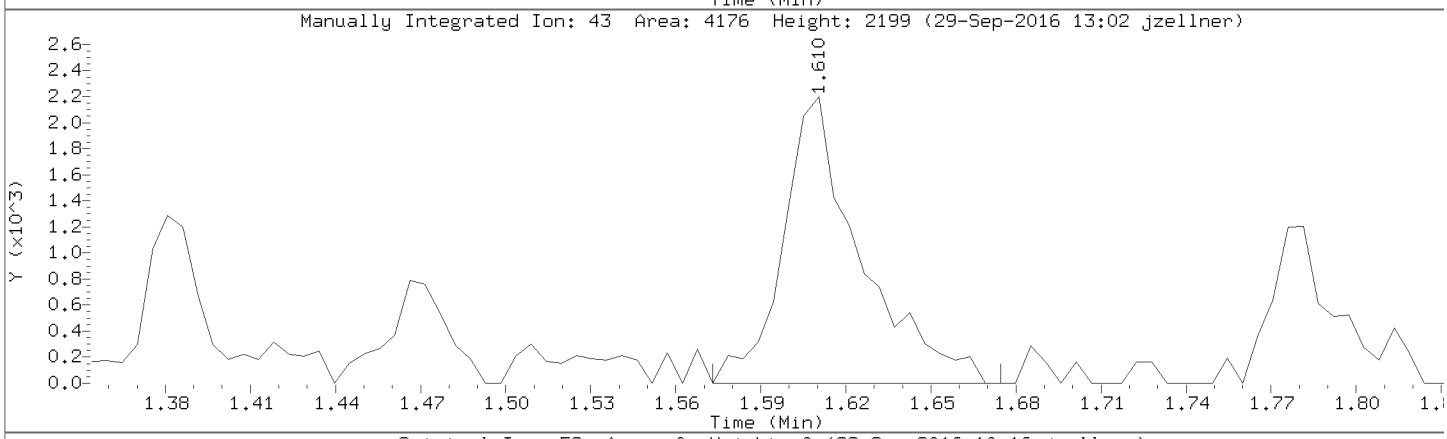


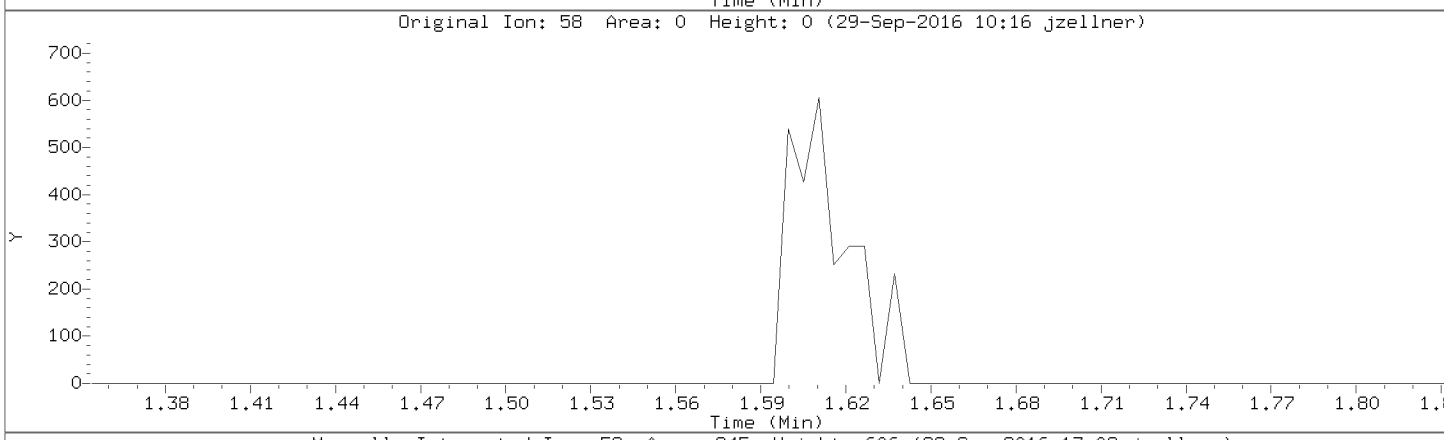


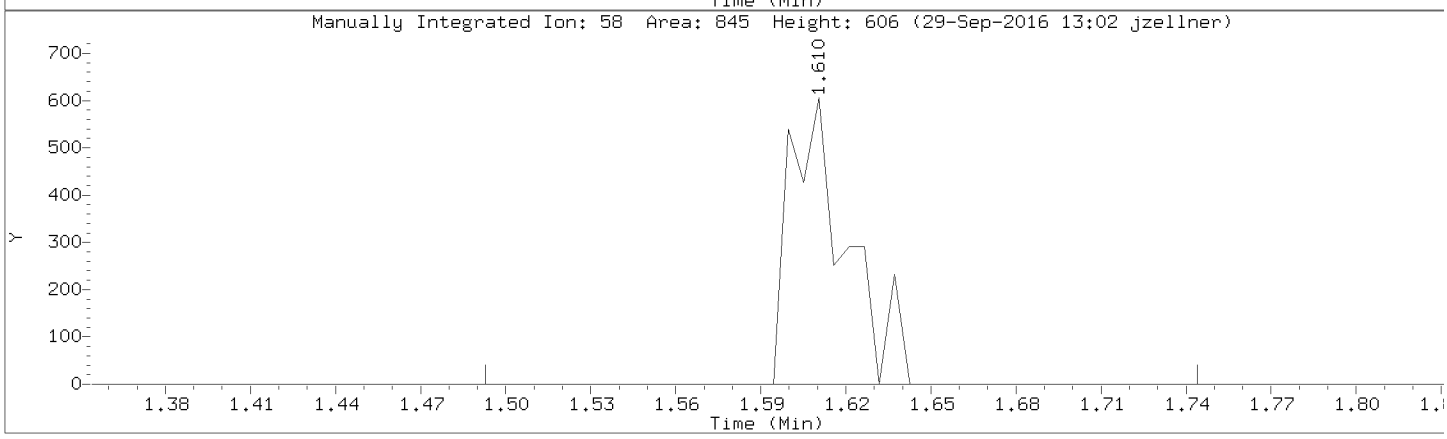
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Acetone Review Code: NI
CAS Number: 67-64-1



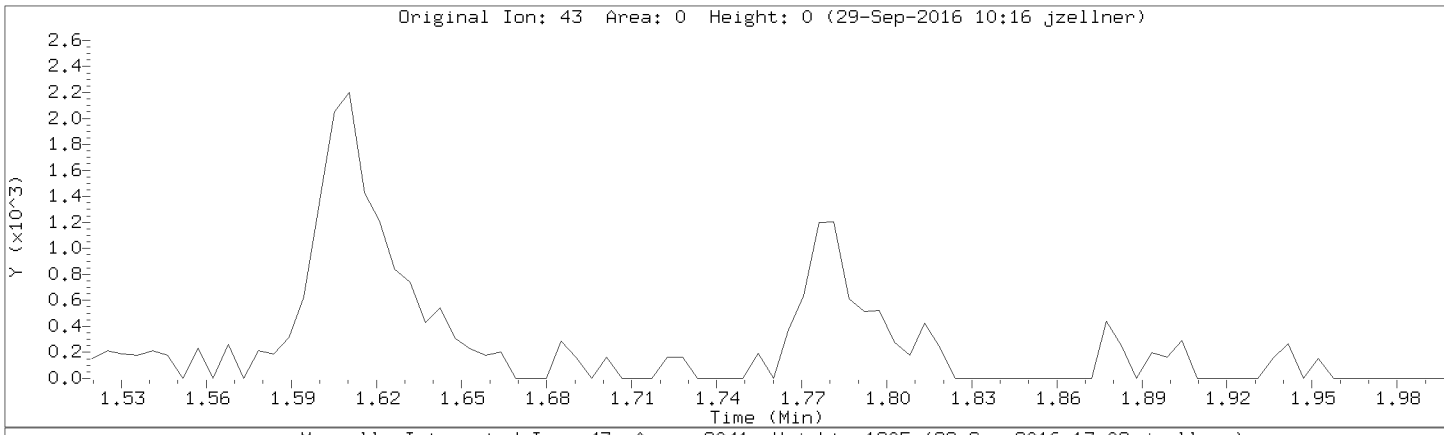


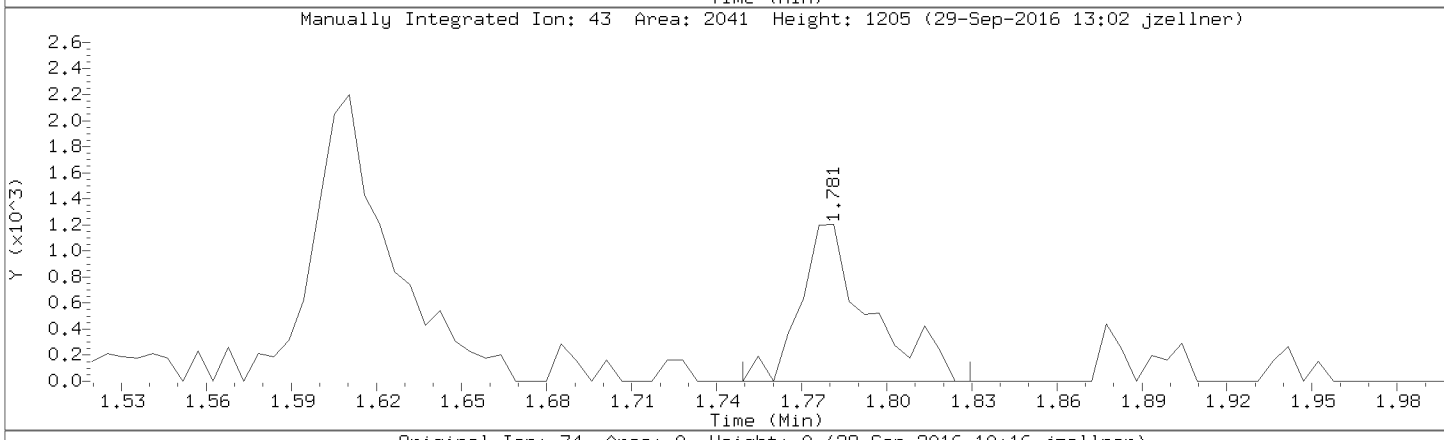


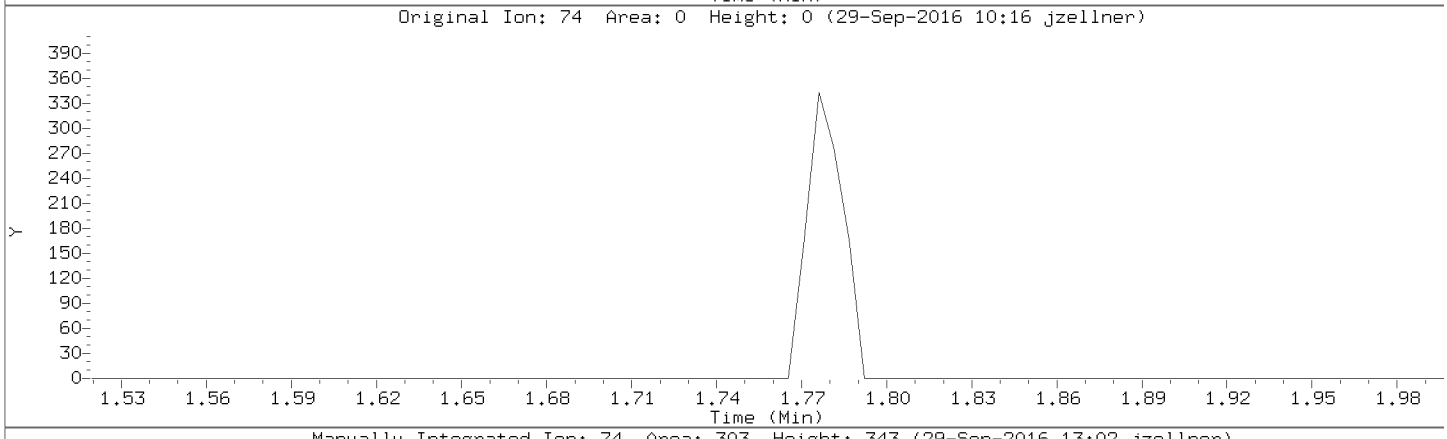


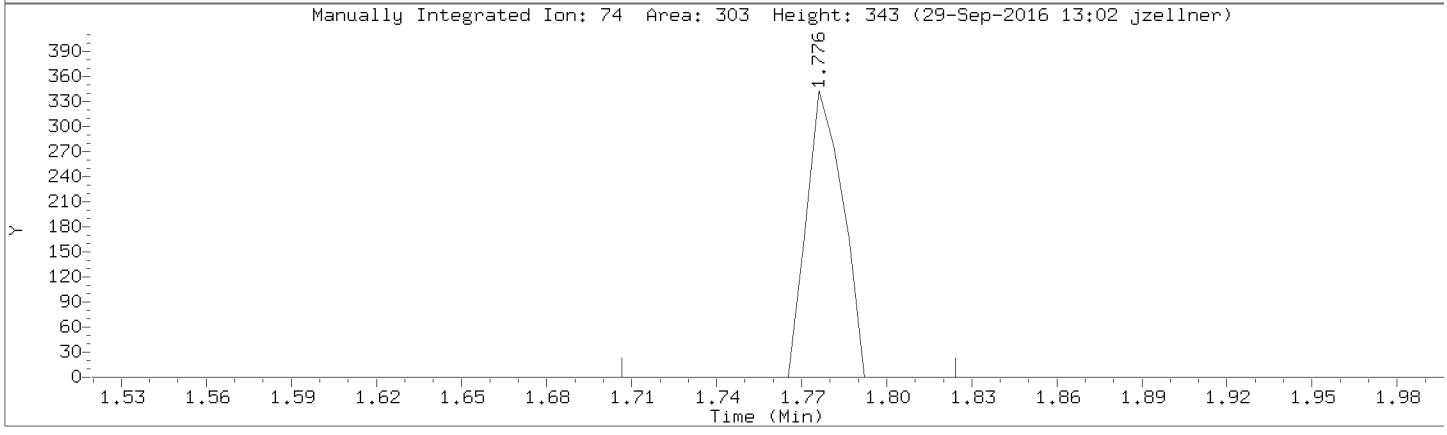
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Methyl Acetate Review Code: NI
CAS Number: 79-20-9









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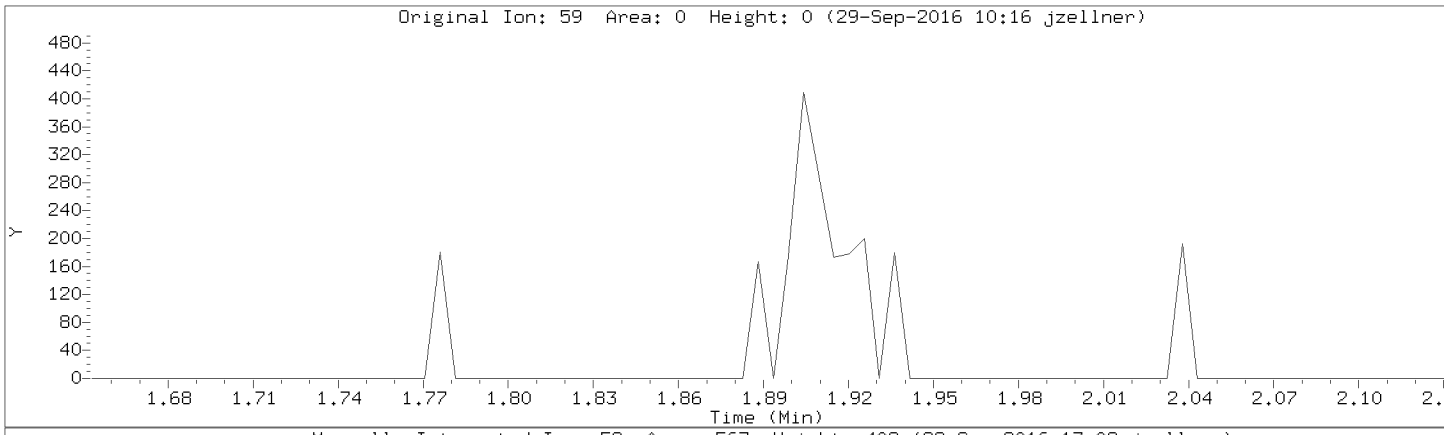
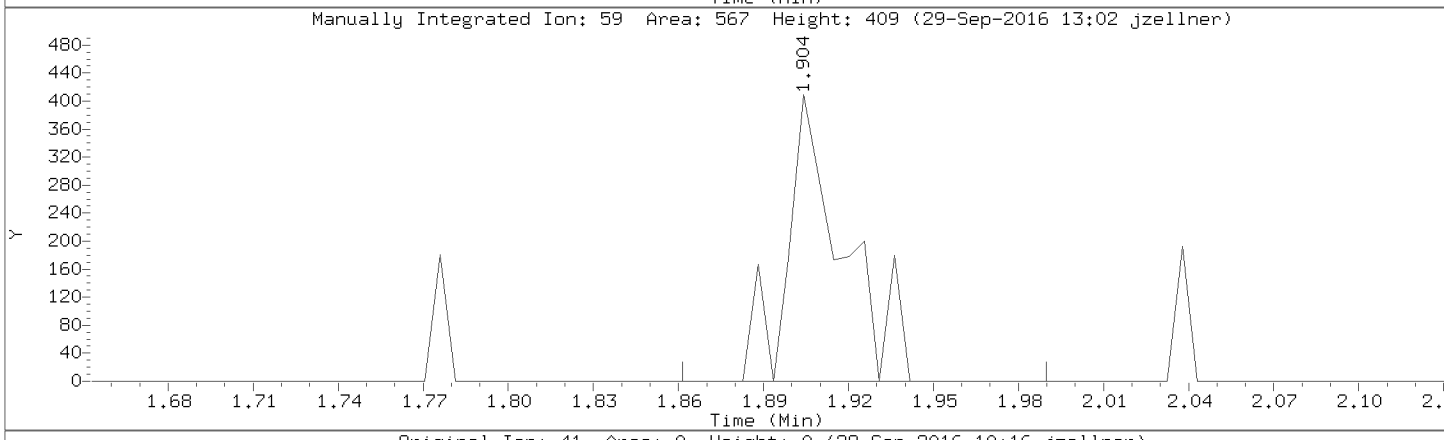
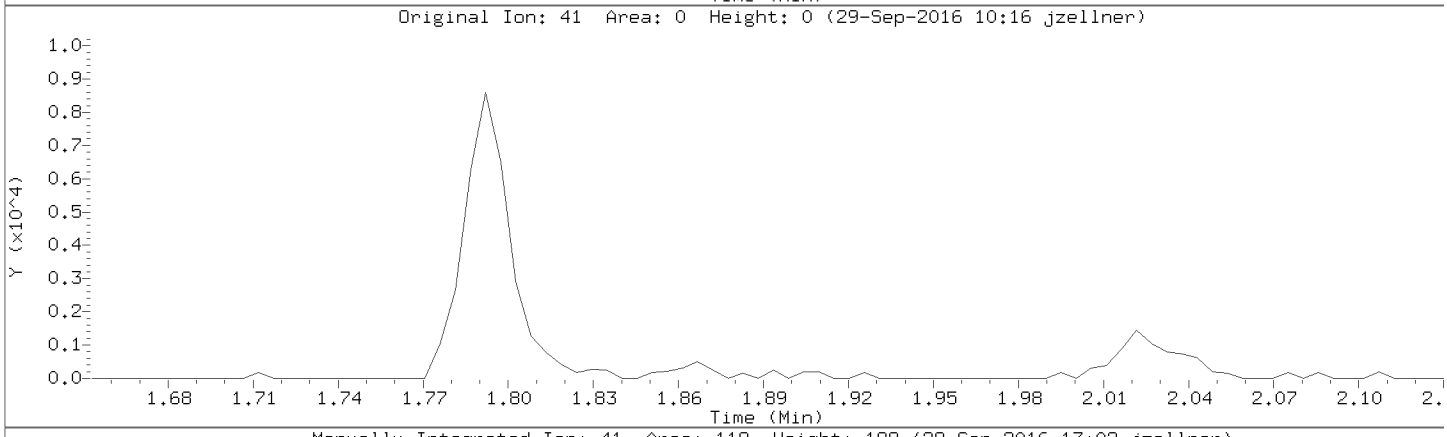
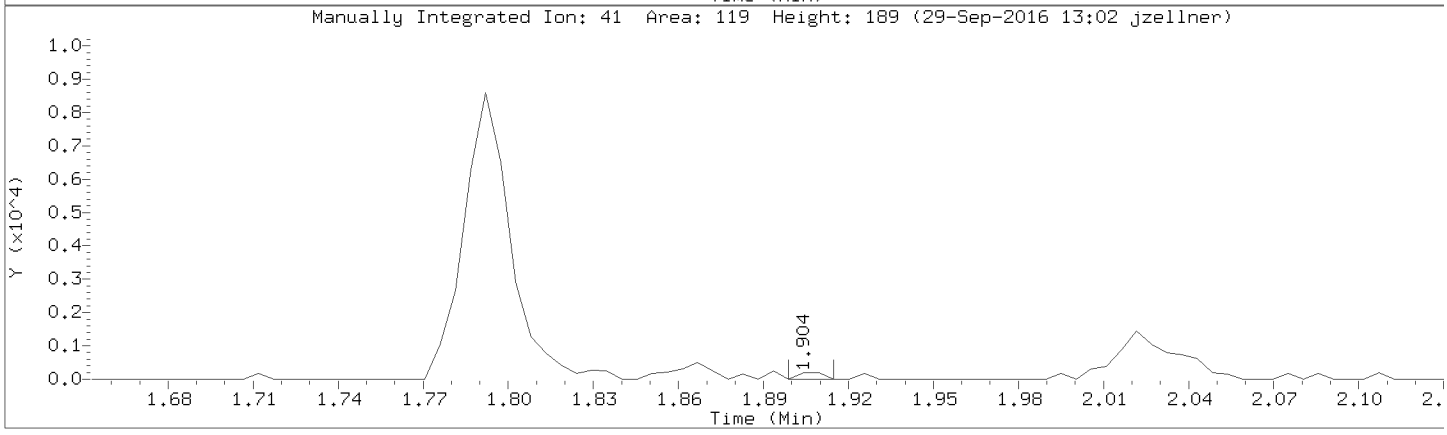
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: tert-Butyl Alcohol Review Code: NI
CAS Number: 75-65-0



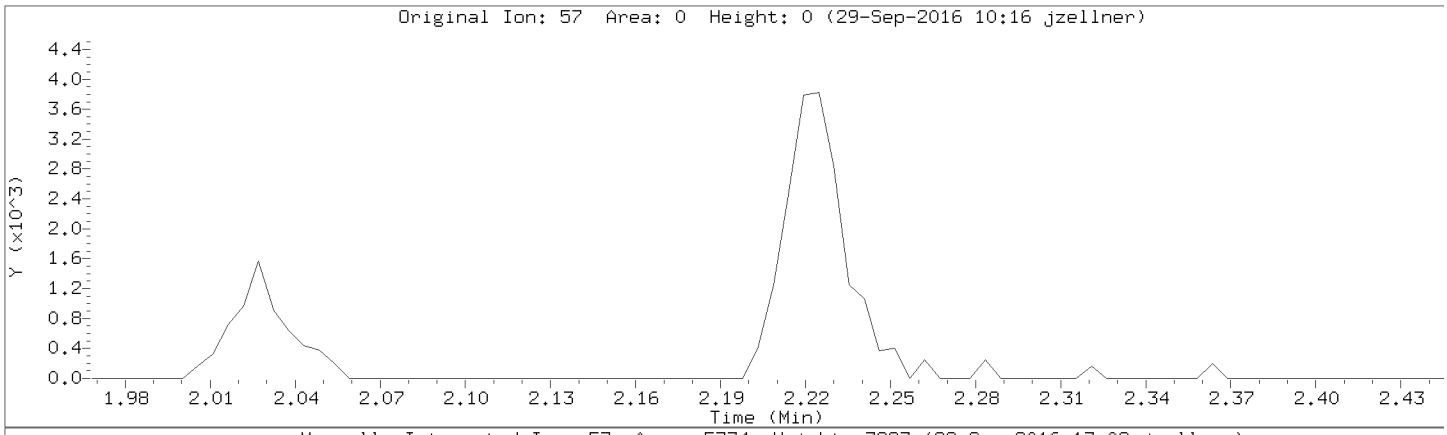


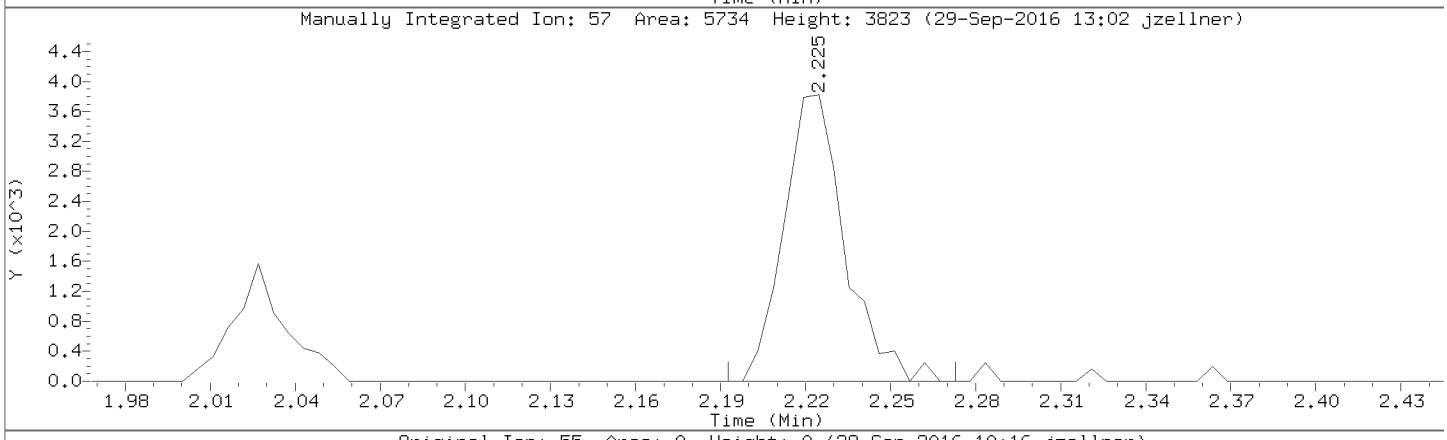


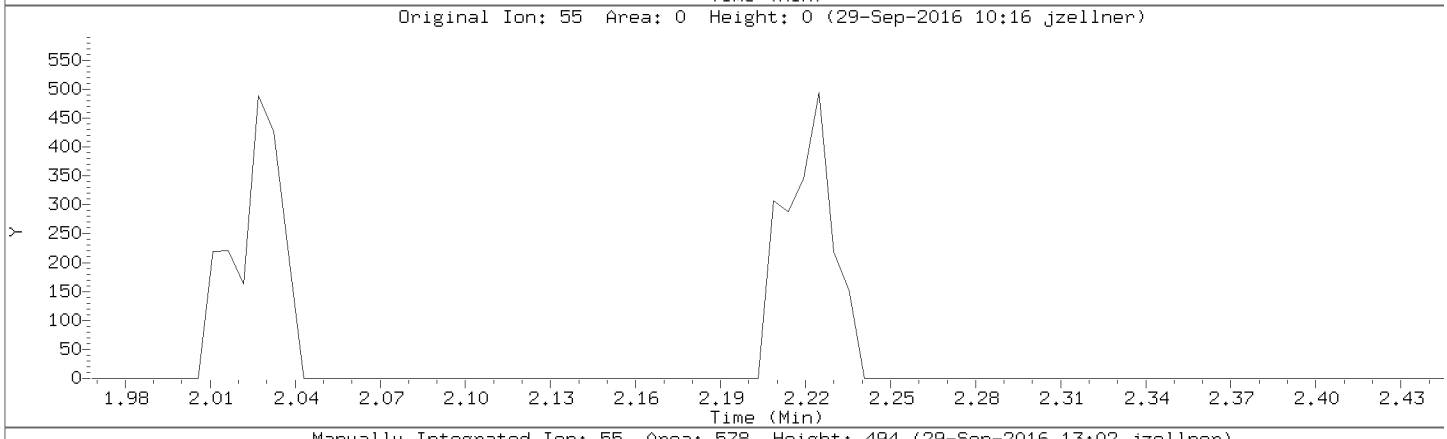


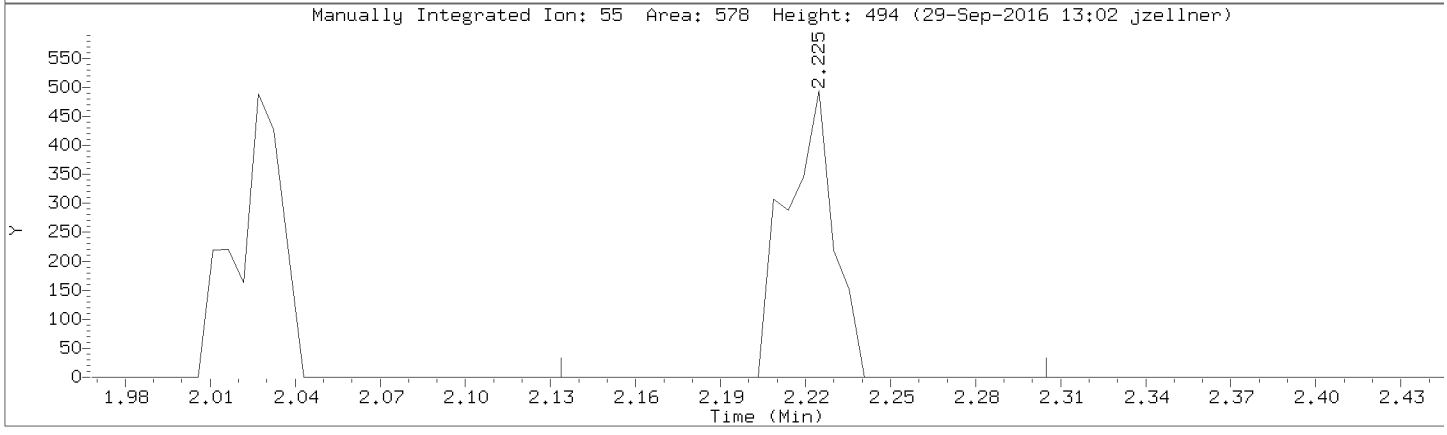
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: n-Hexane Review Code: NI
CAS Number:



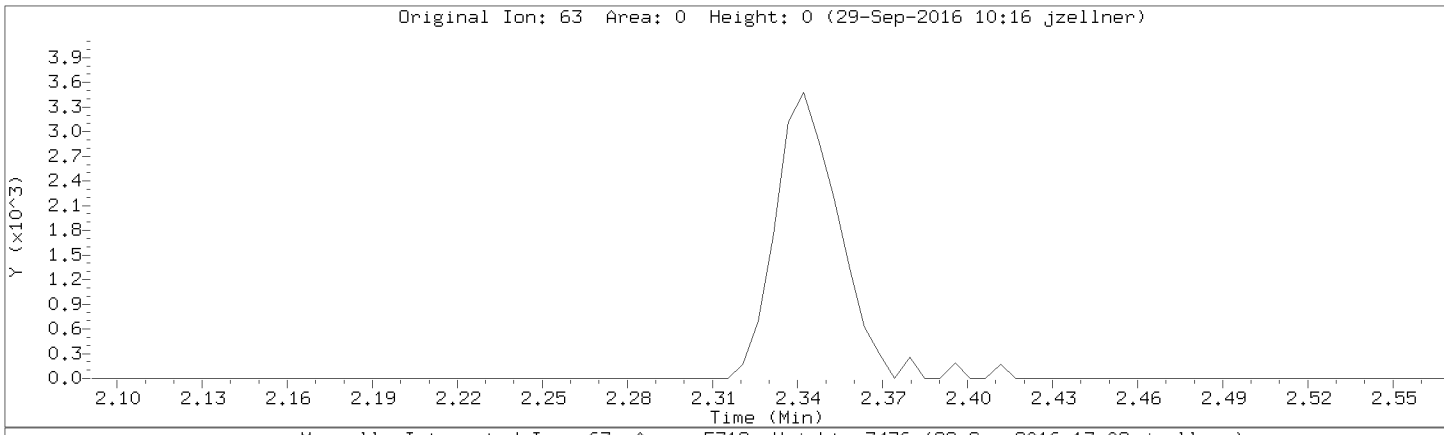


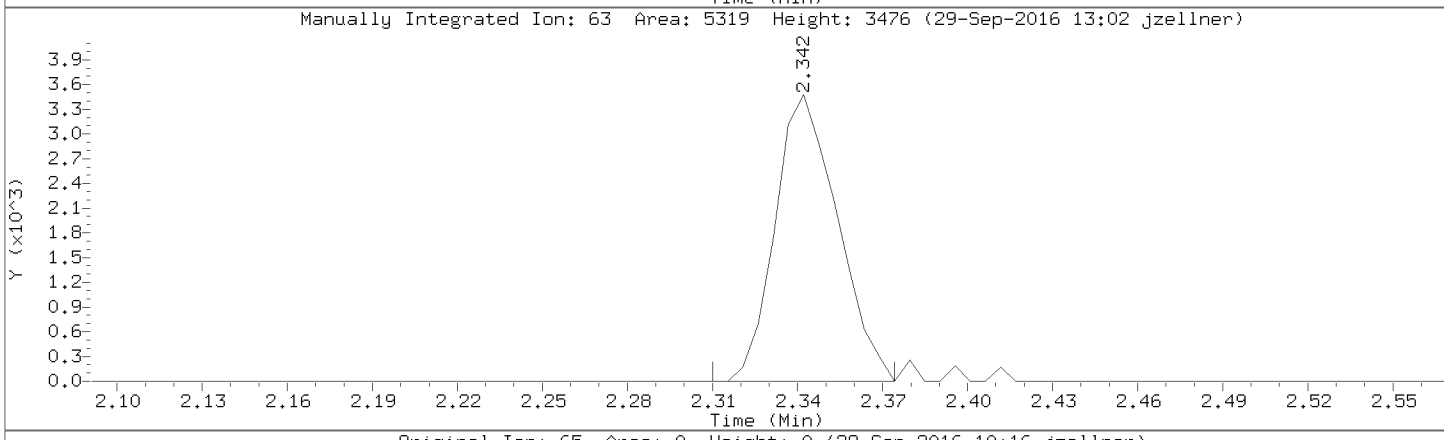


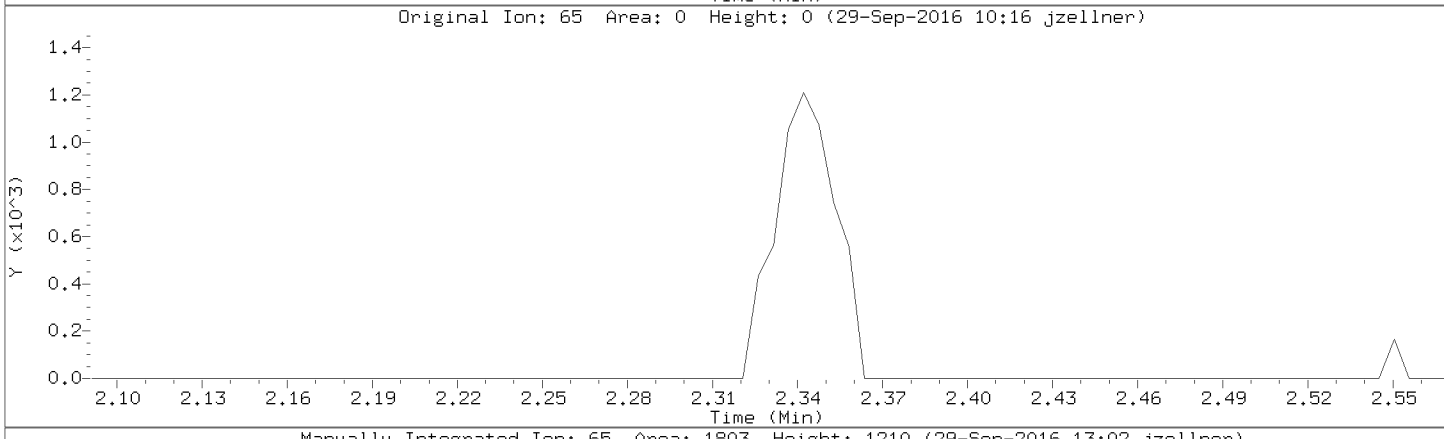


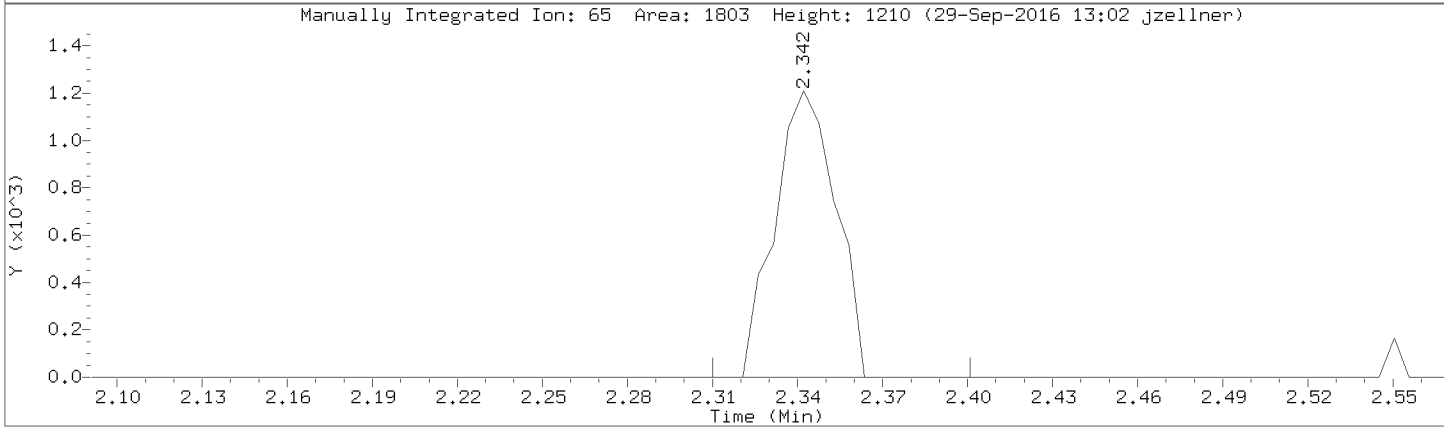
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,1-Dichloroethane Review Code: NI
CAS Number: 75-34-3









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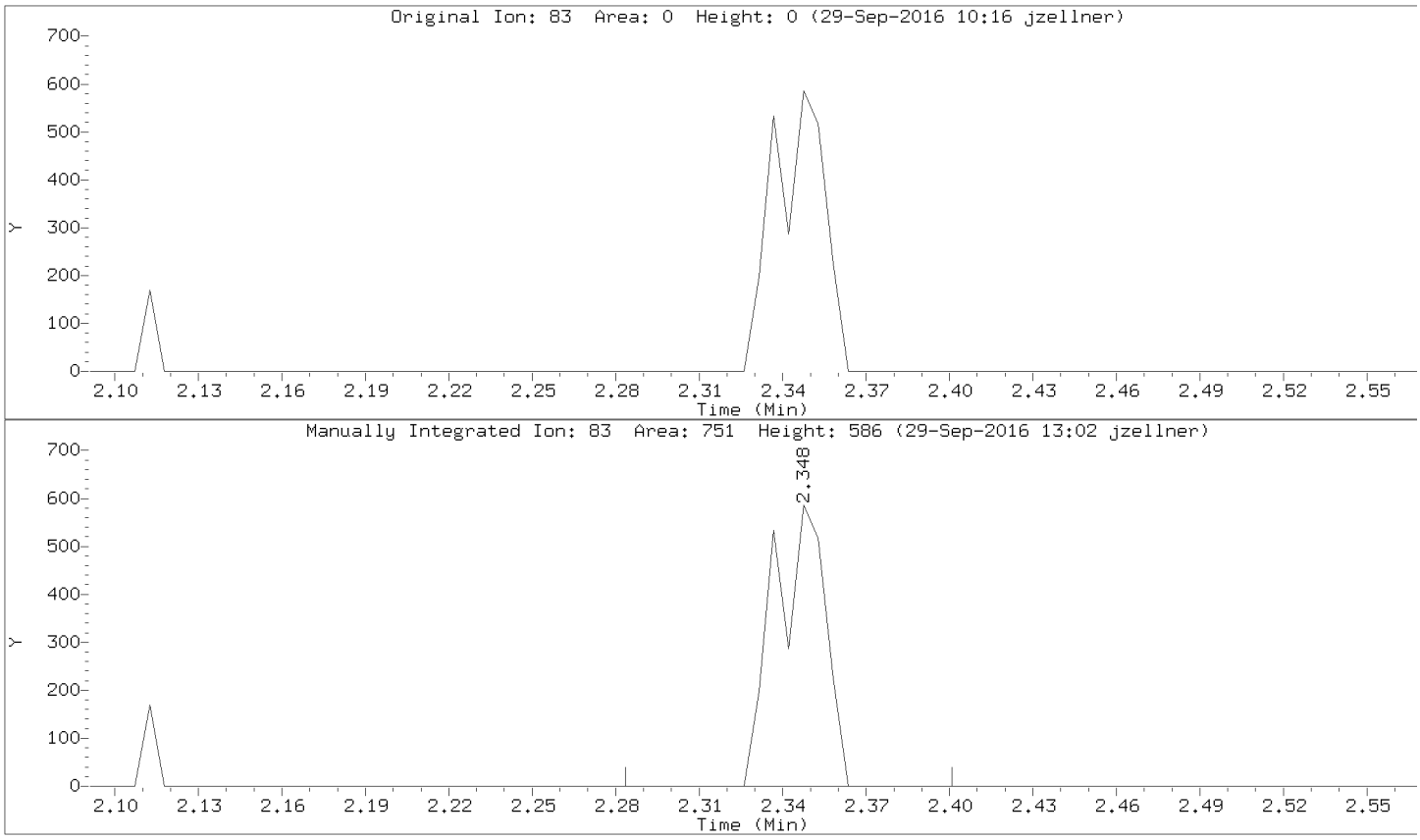
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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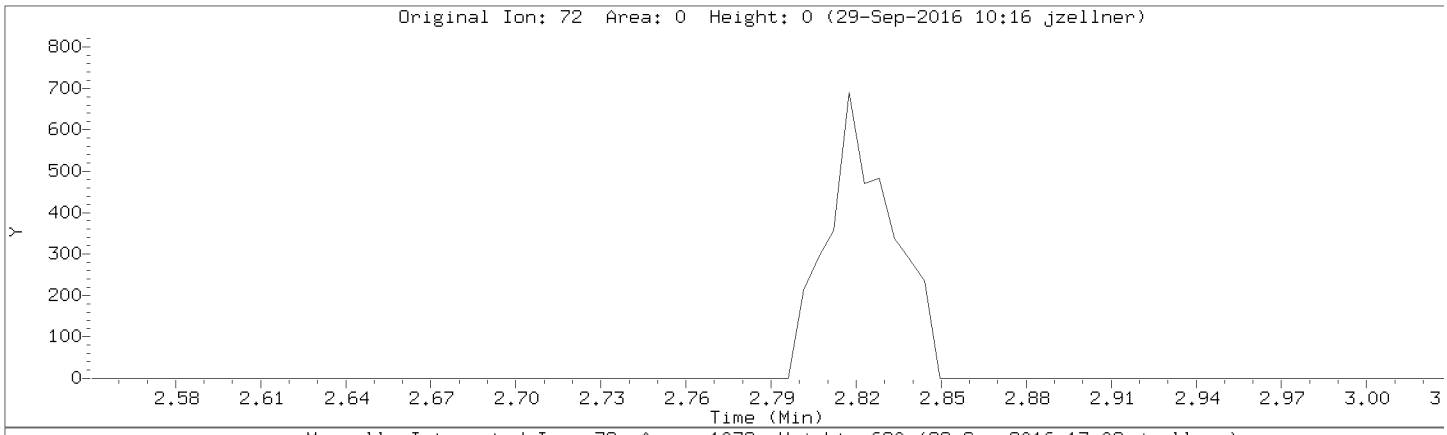
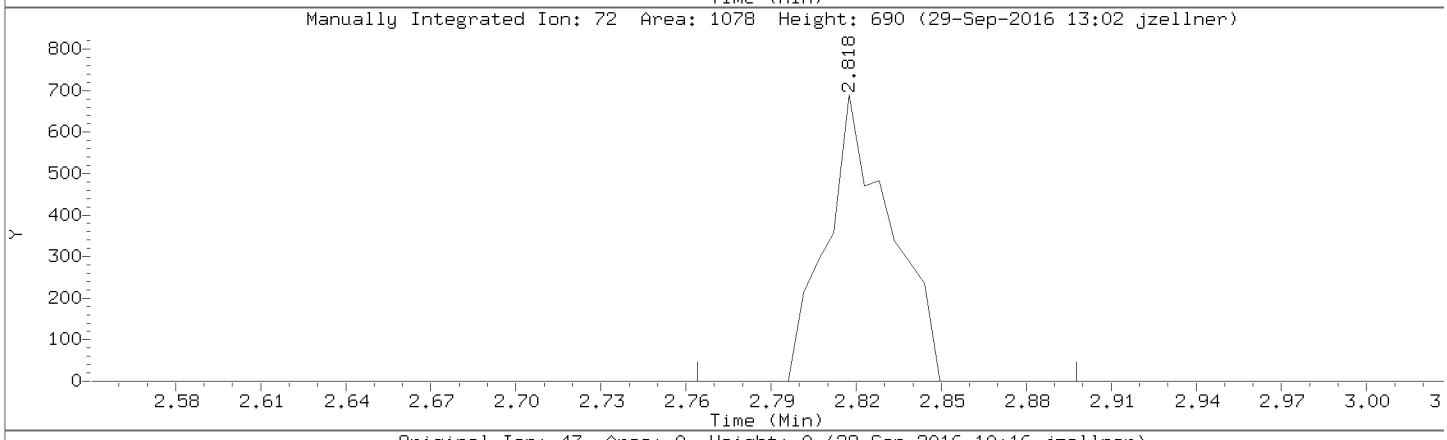
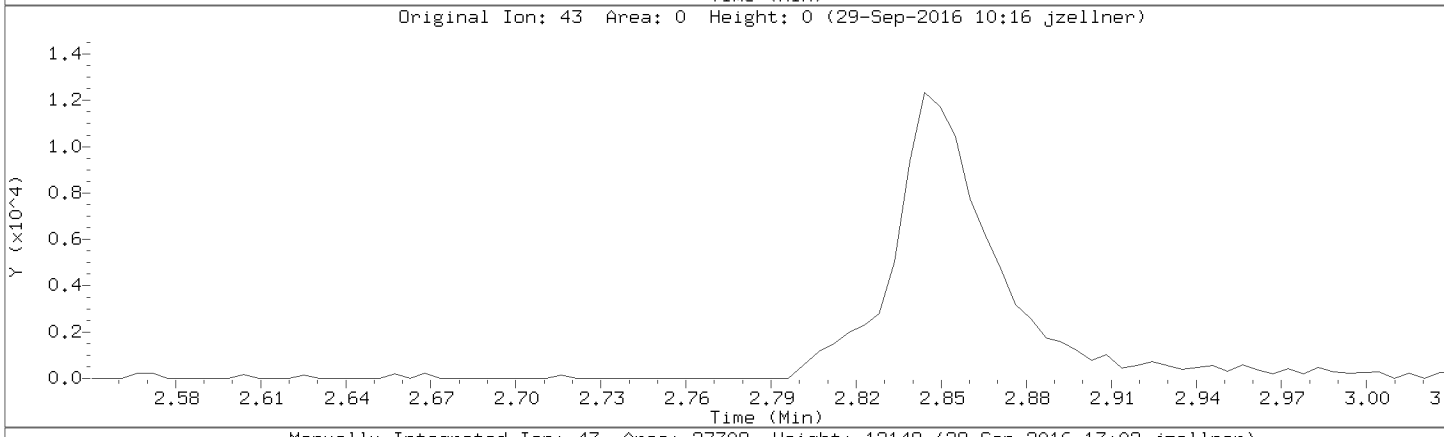
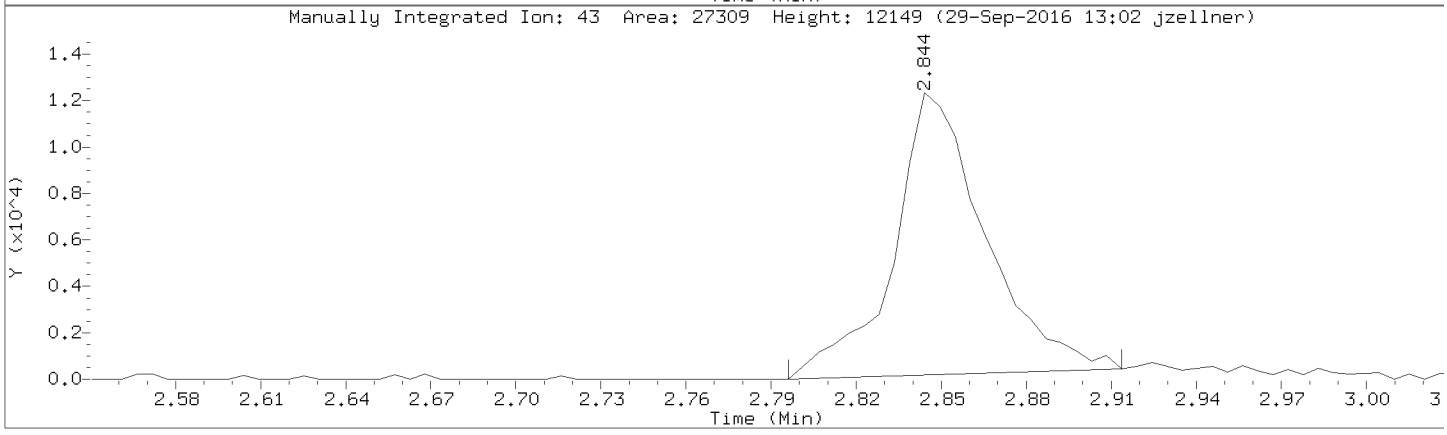
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 2-Butanone Review Code: NI
CAS Number: 78-93-3









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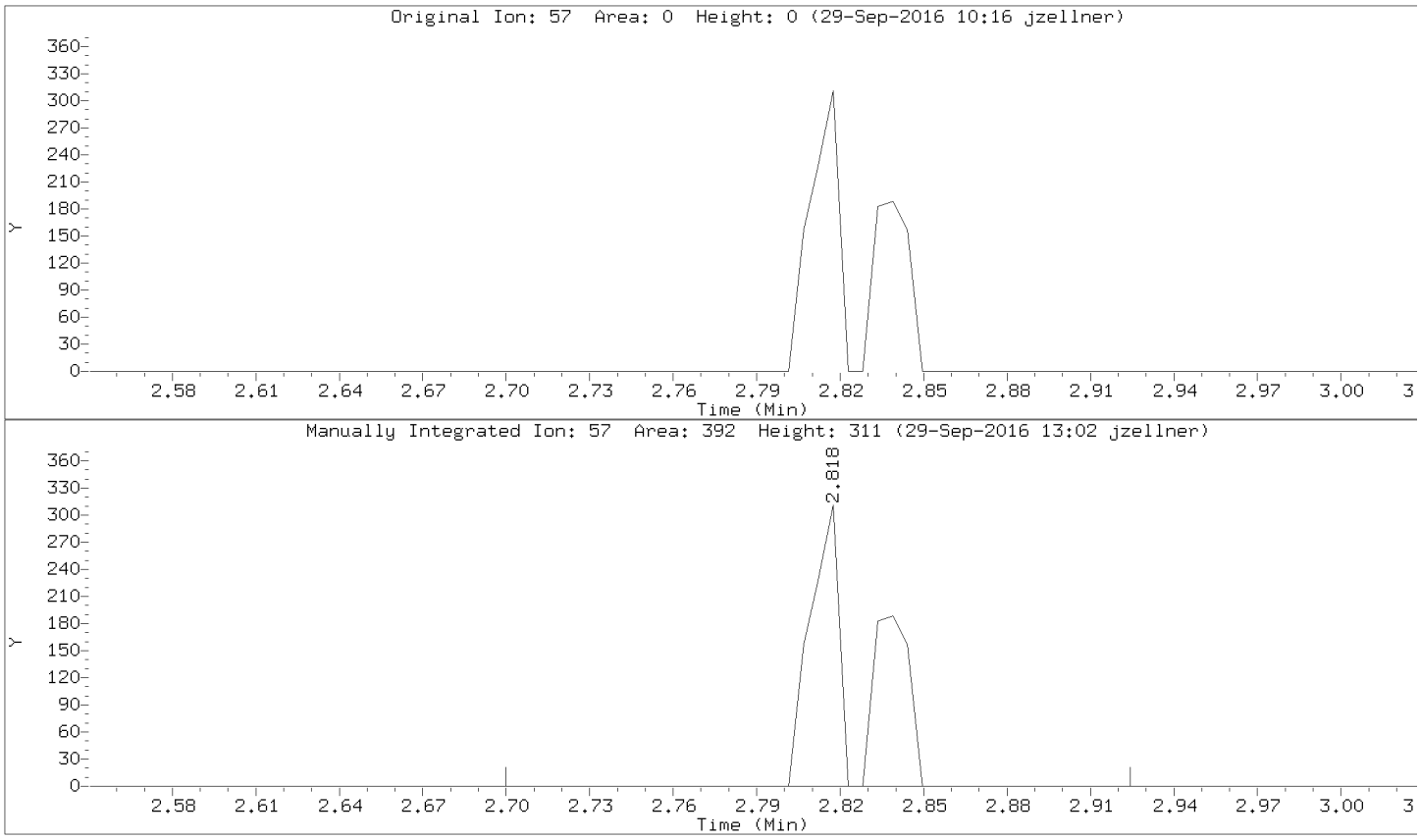
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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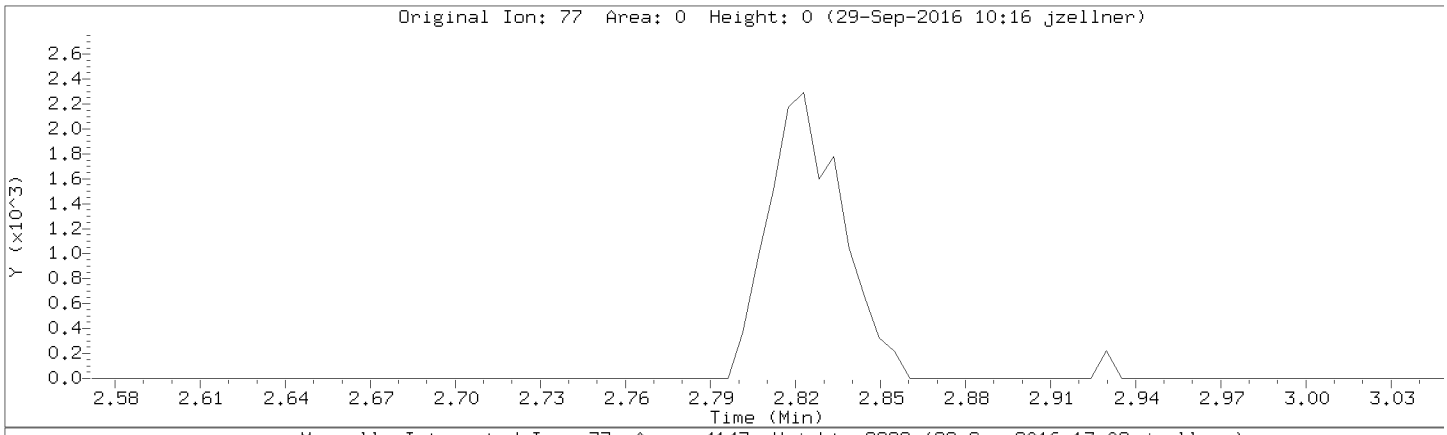
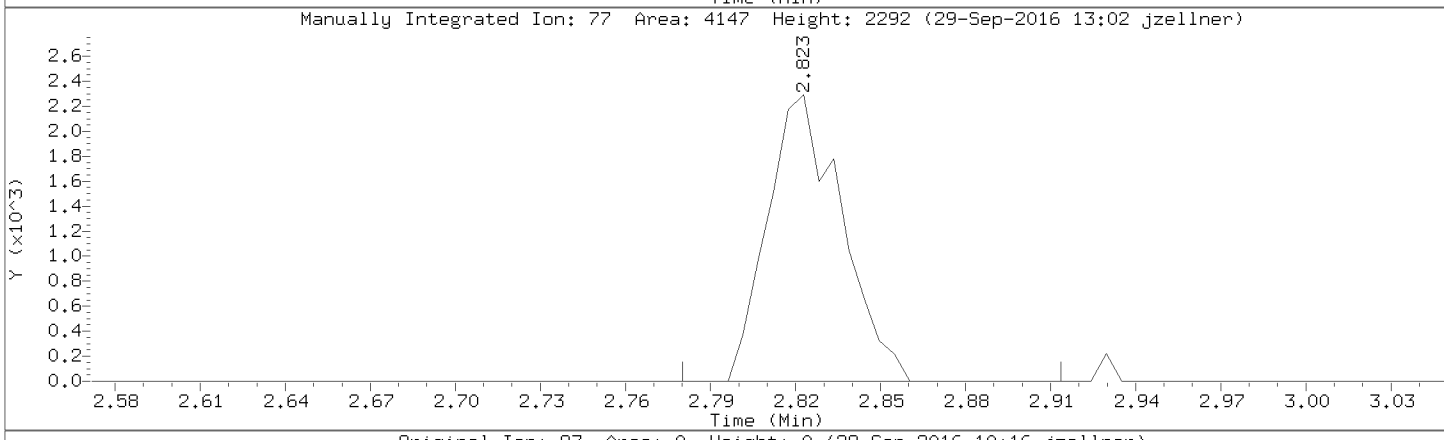
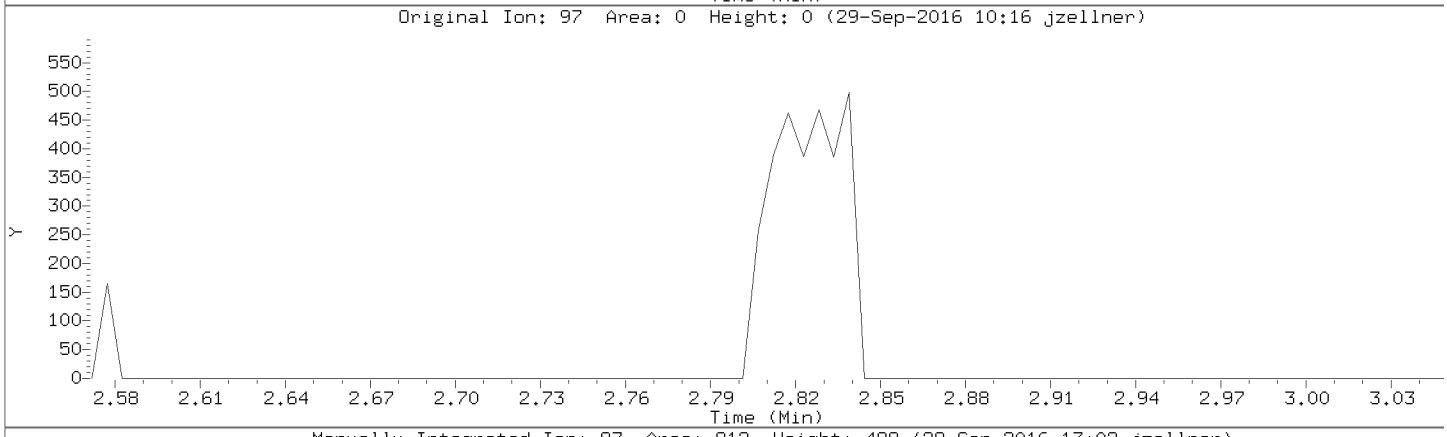
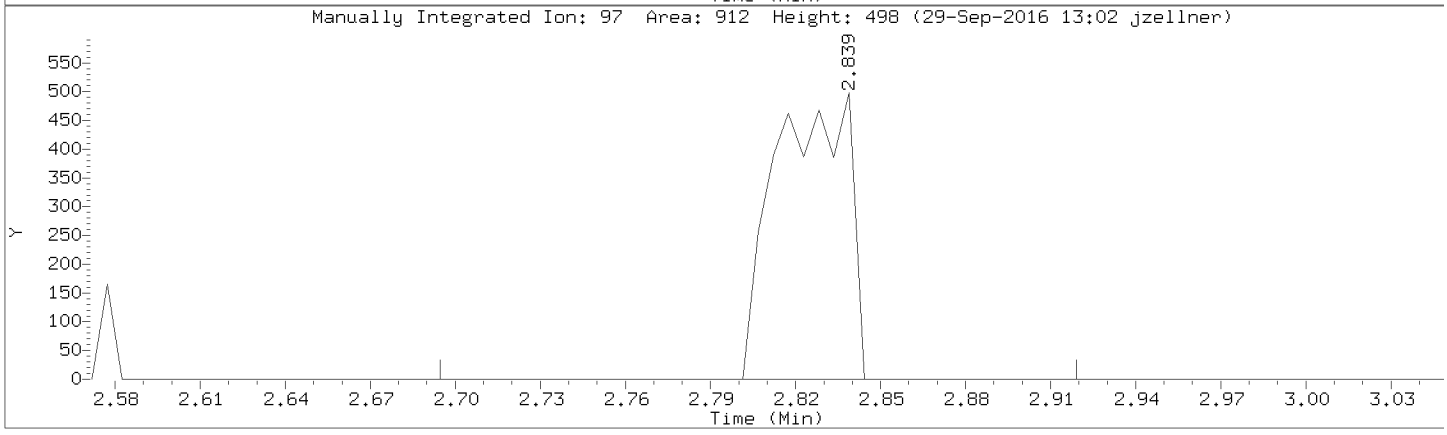
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 2,2-Dichloropropane Review Code: NI
CAS Number: 594-20-7









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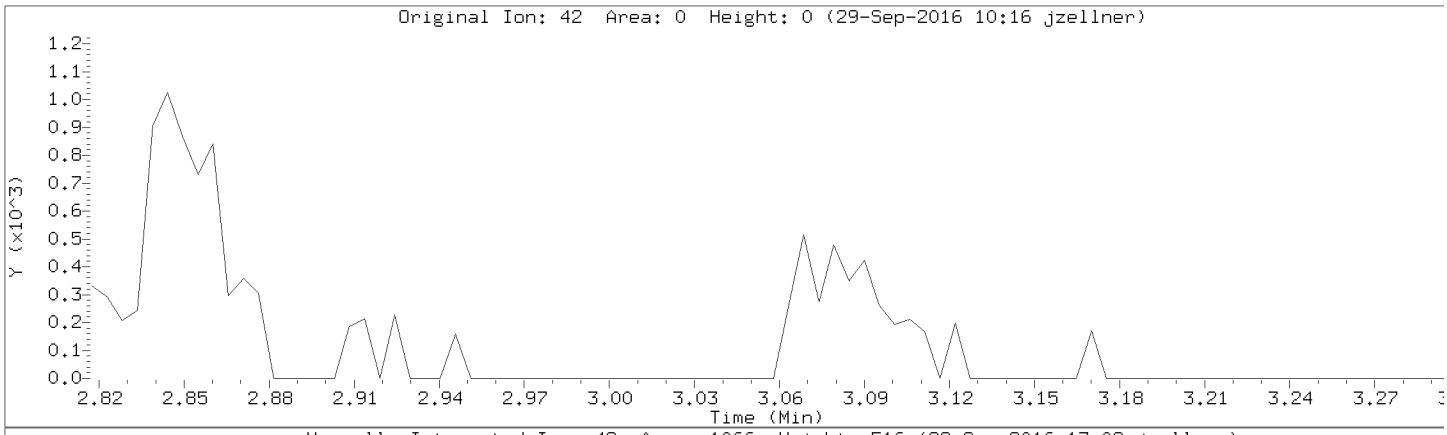
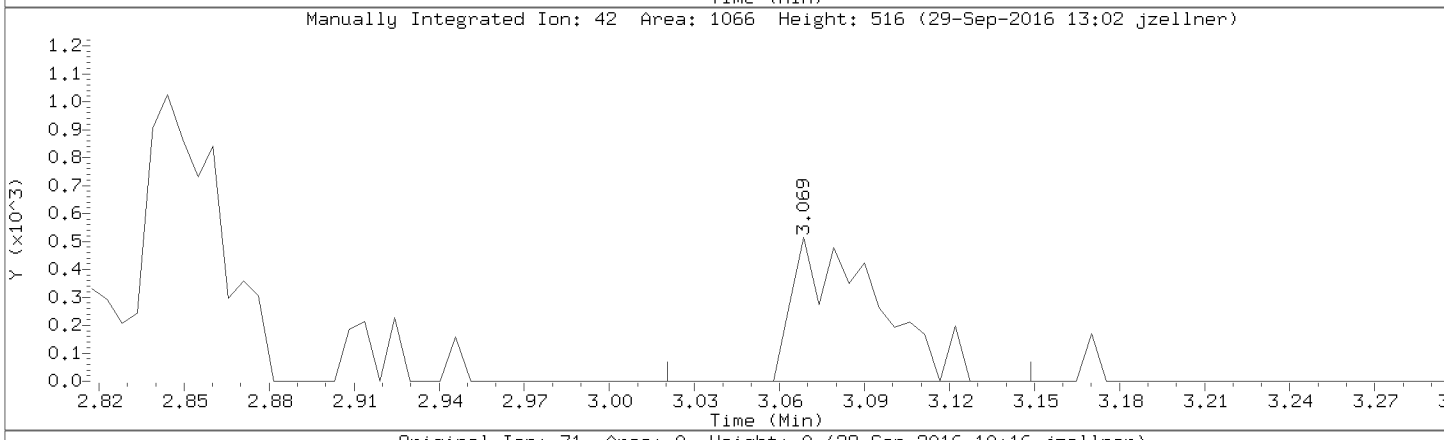
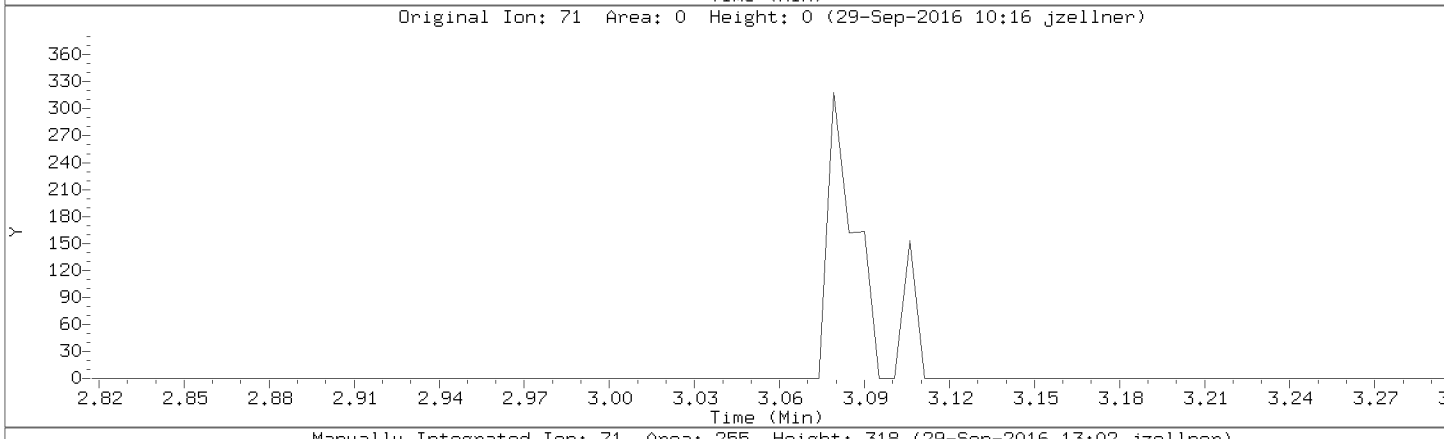
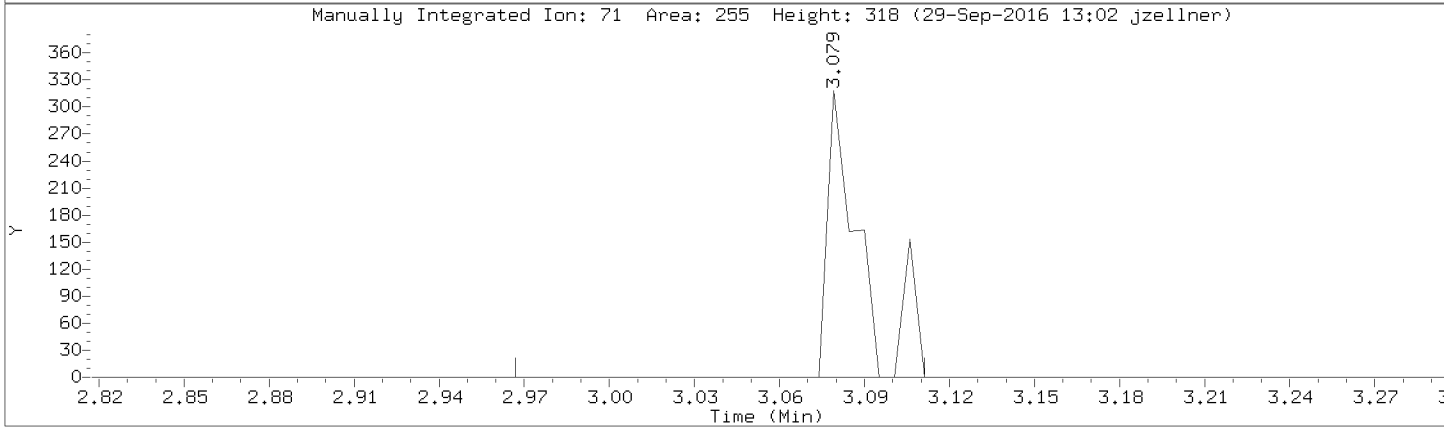
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Tetrahydrofuran Review Code: NI
CAS Number:









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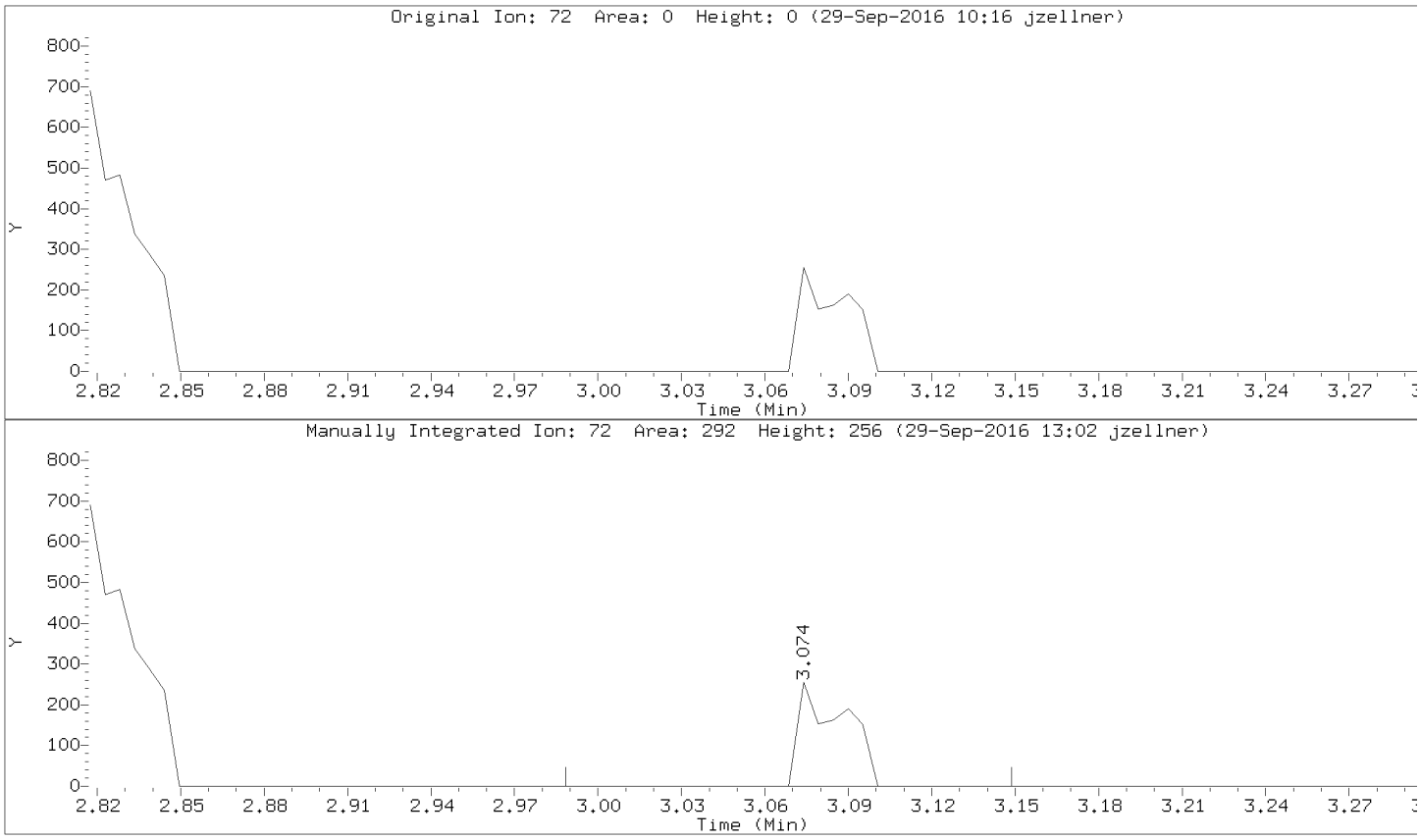
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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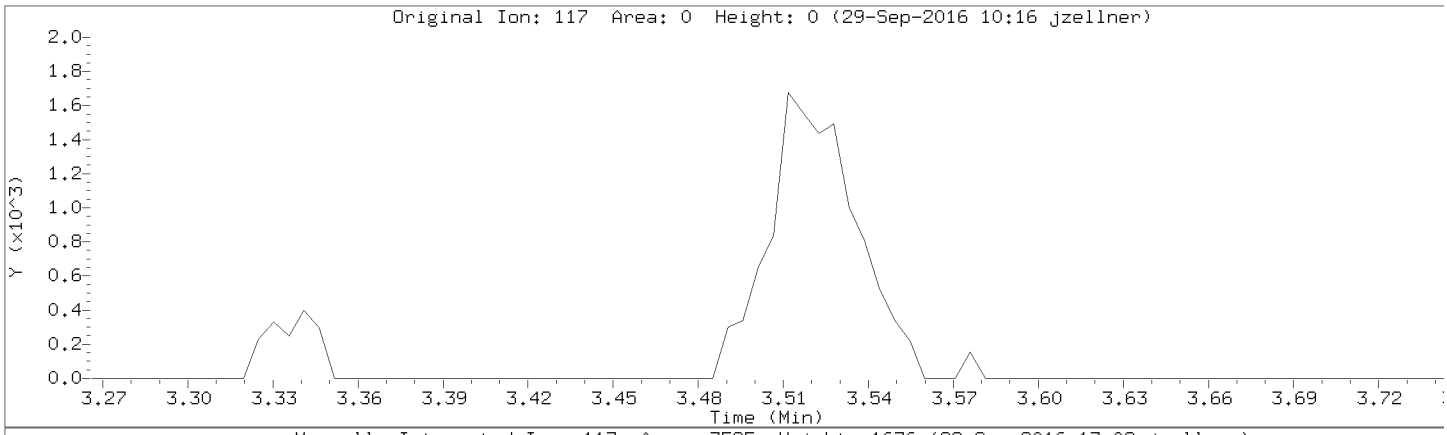
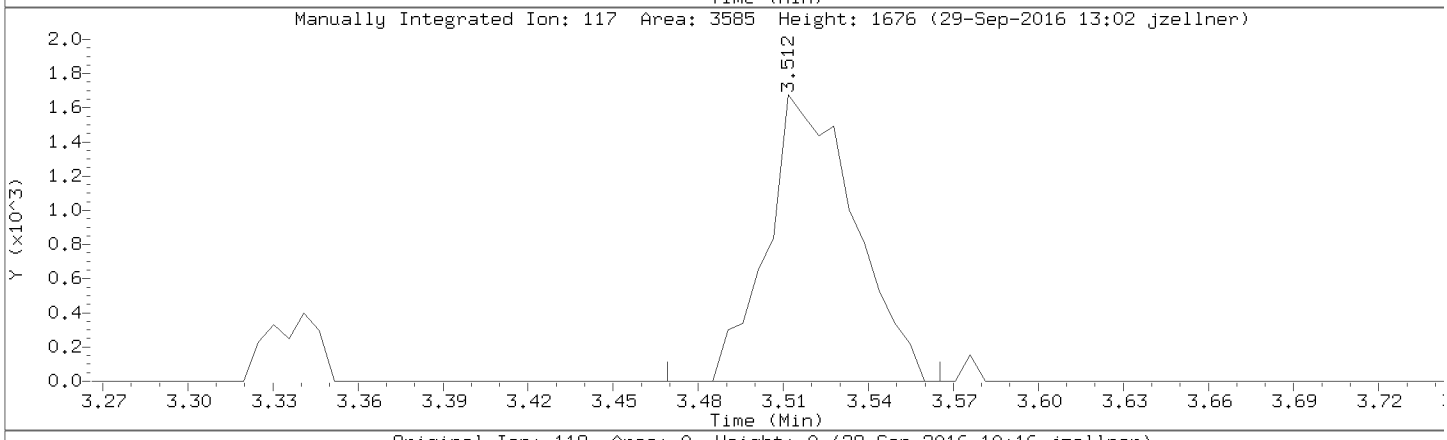
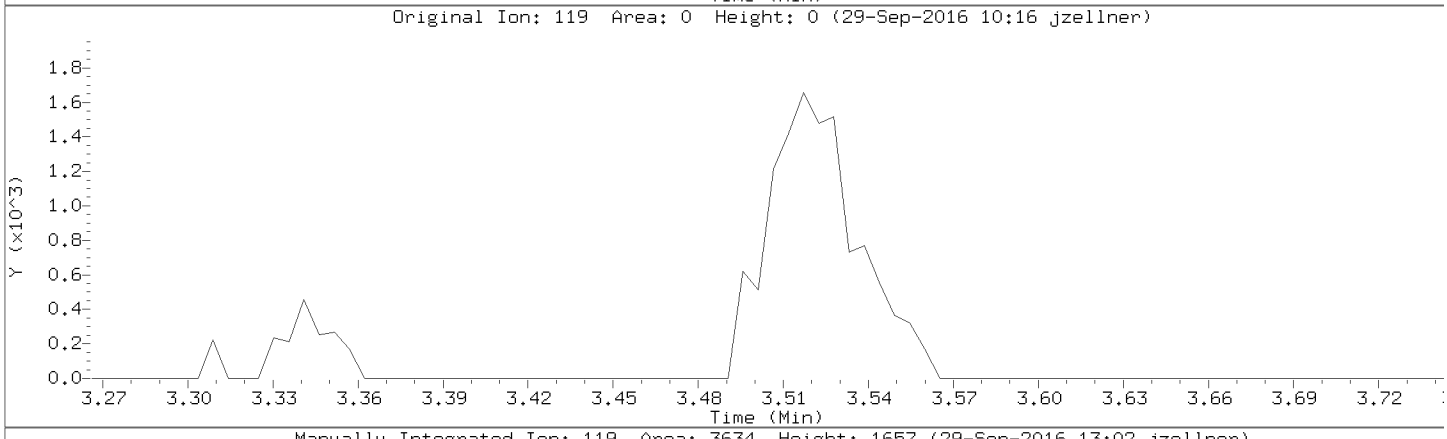
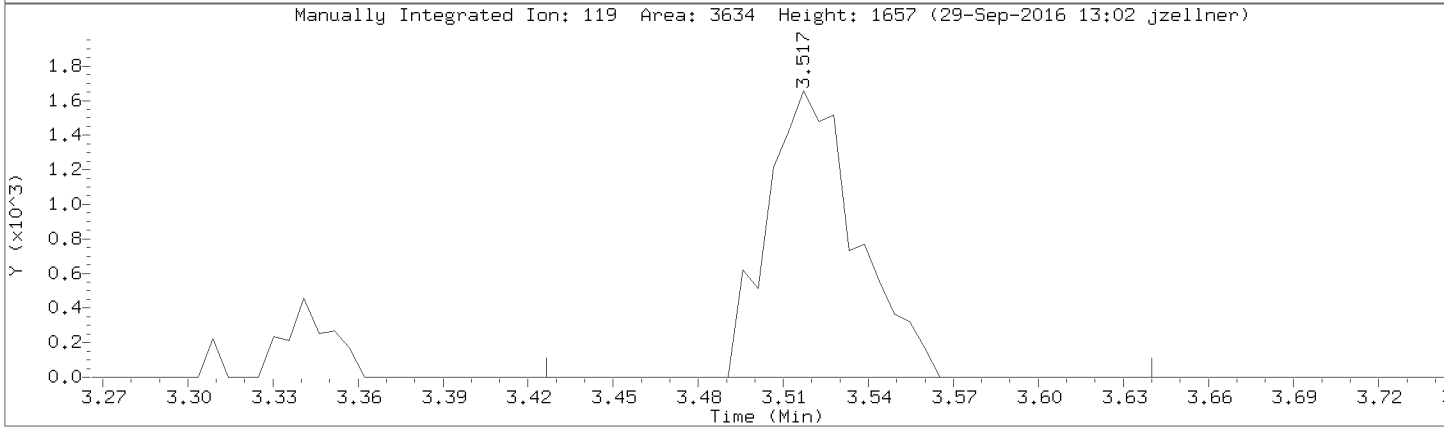
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Carbon Tetrachloride Review Code: NI
CAS Number: 56-23-5









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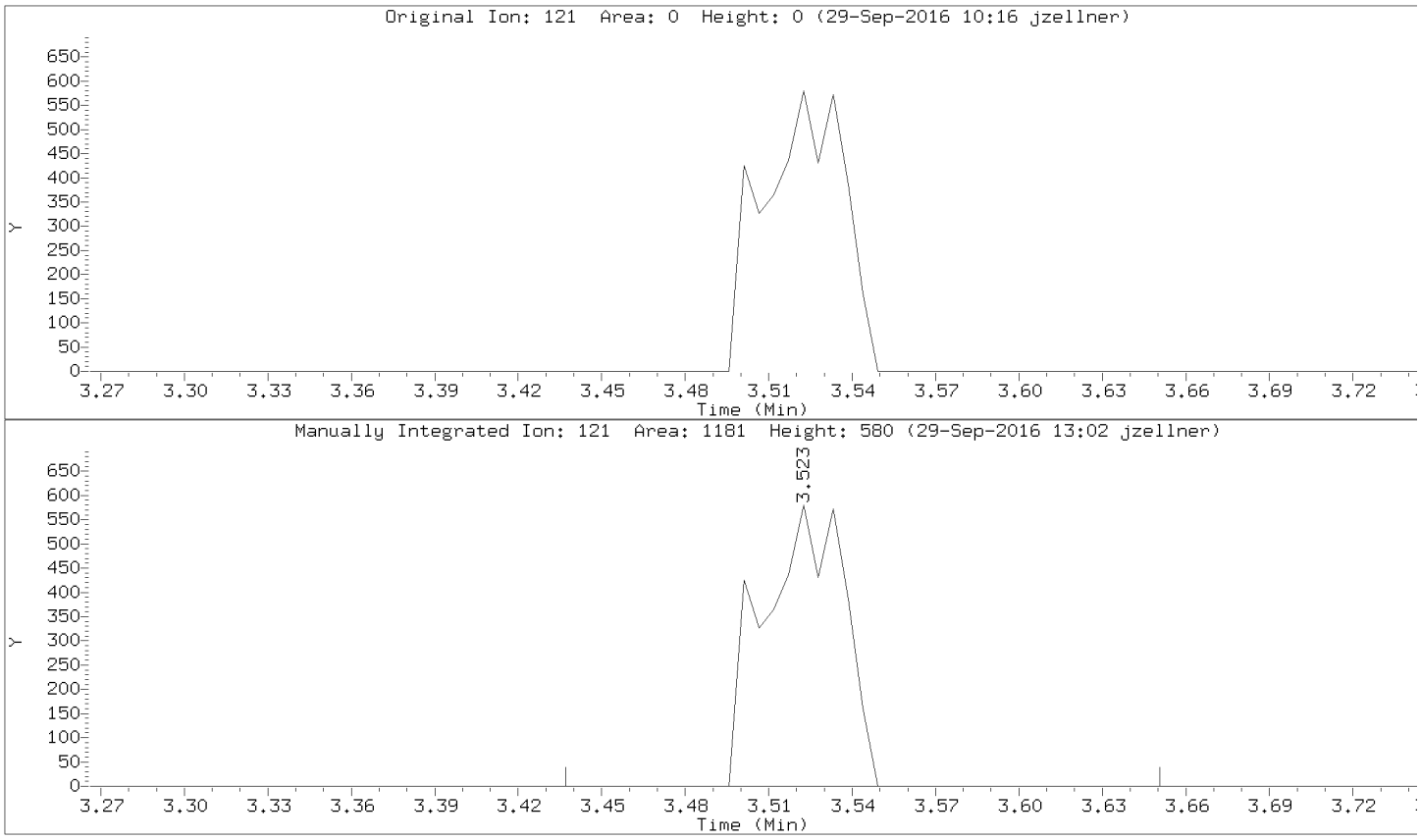
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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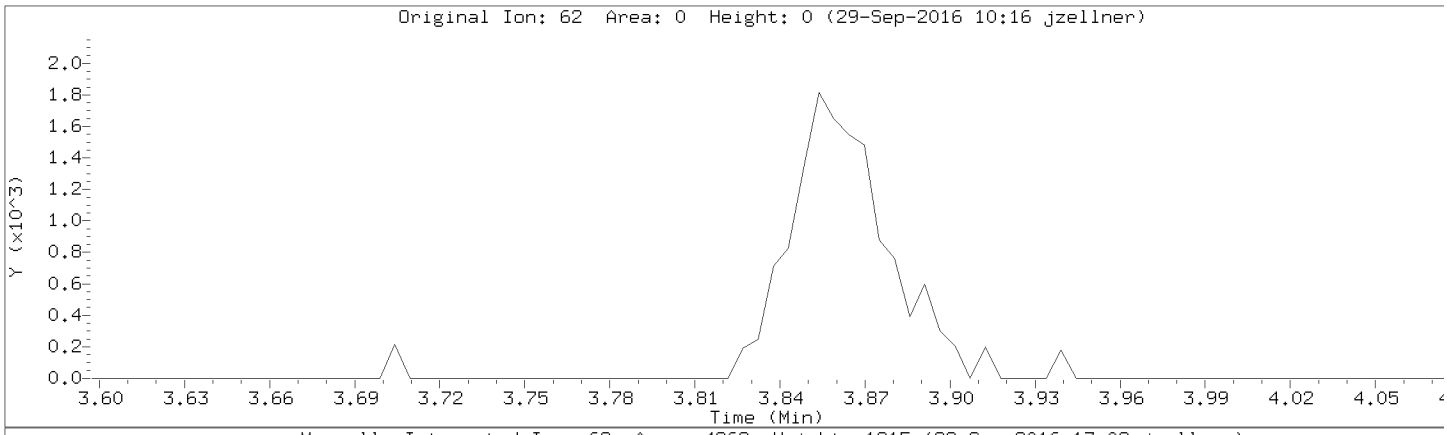
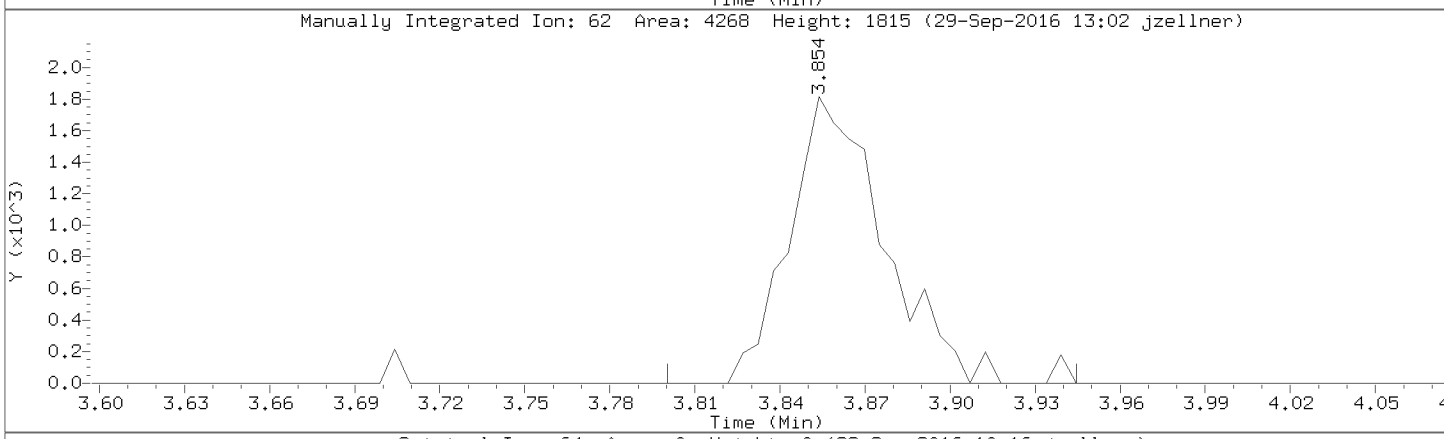
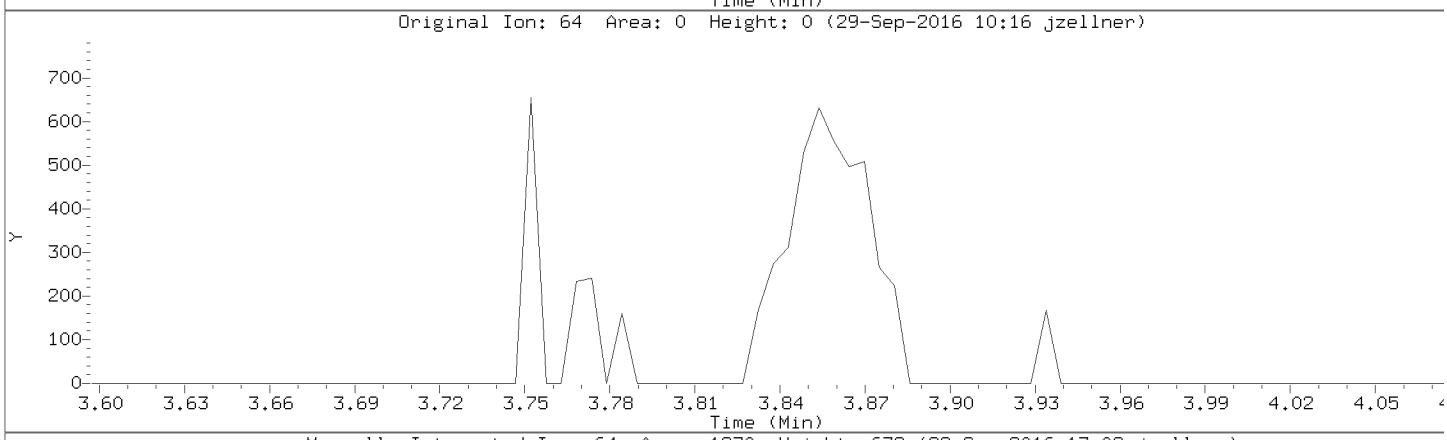
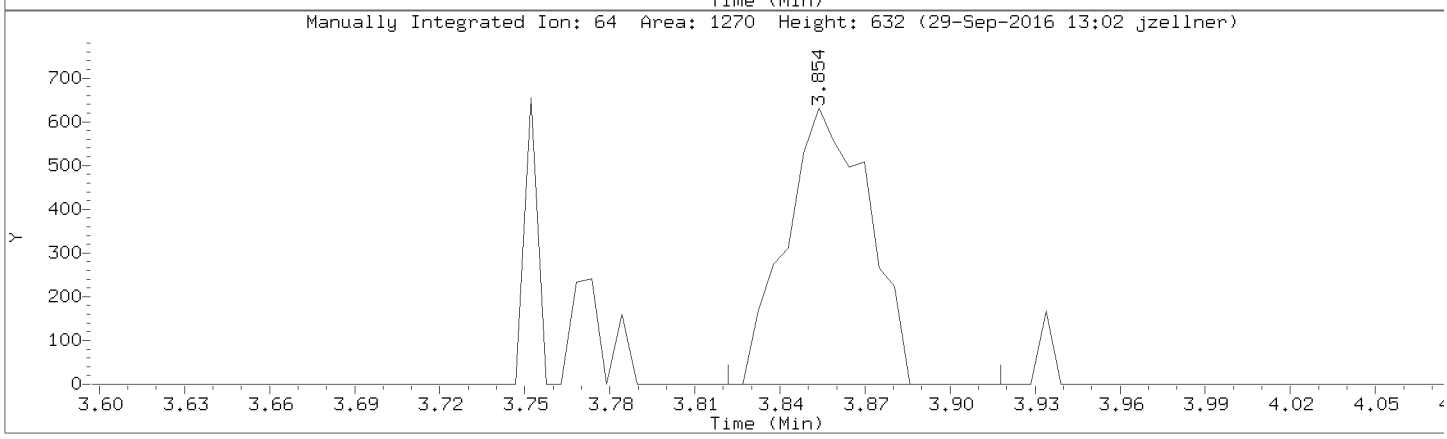
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2









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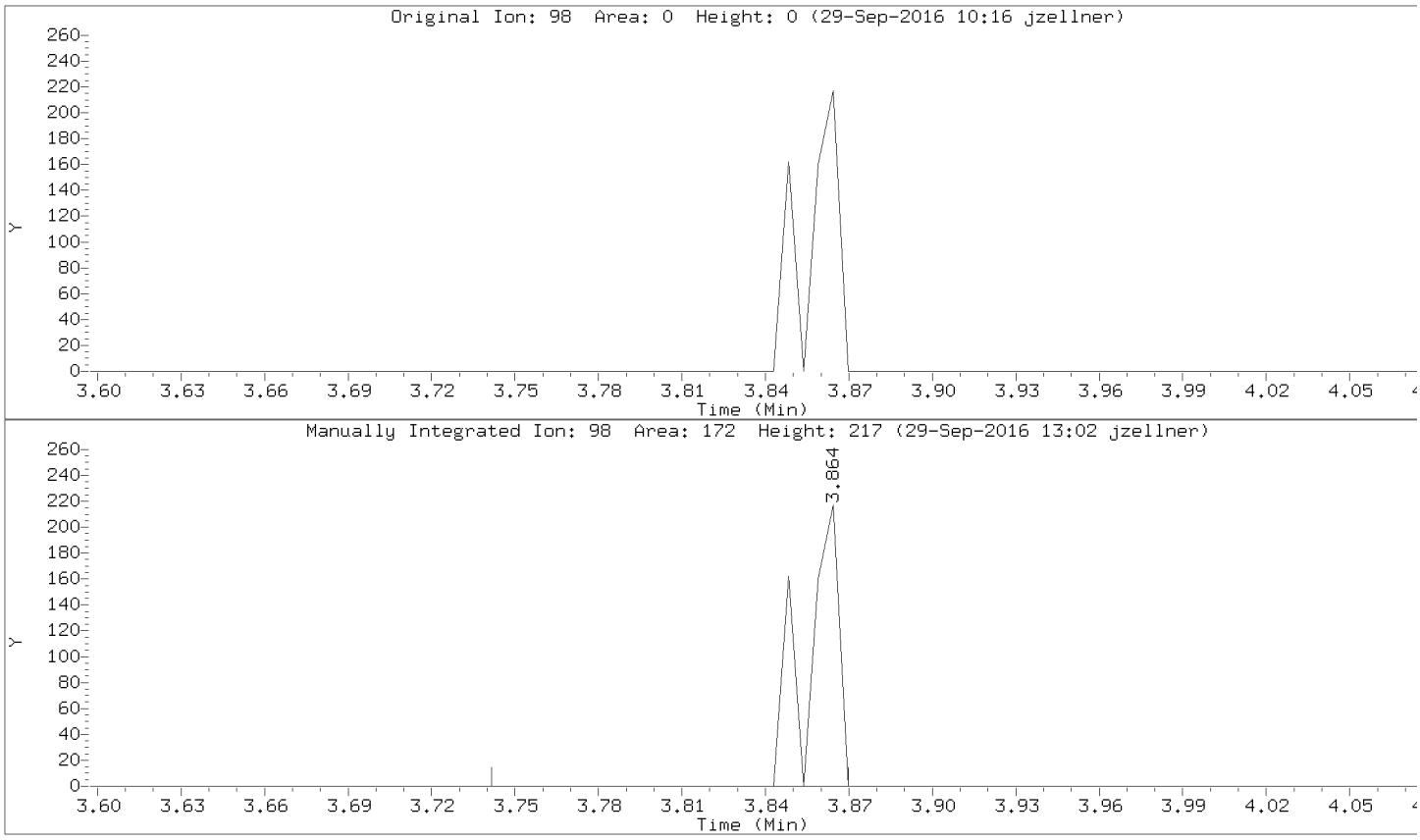
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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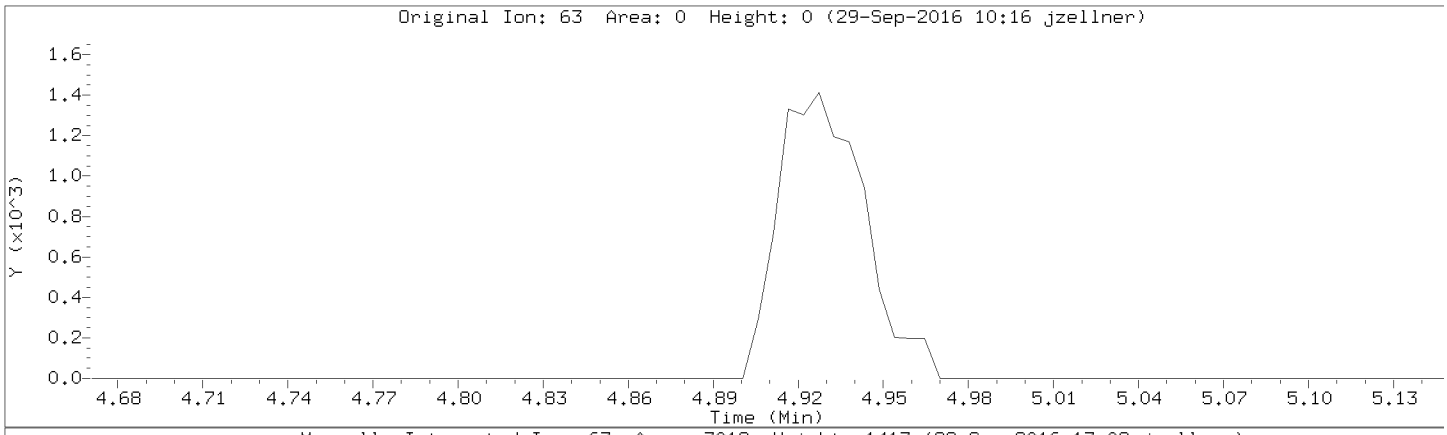
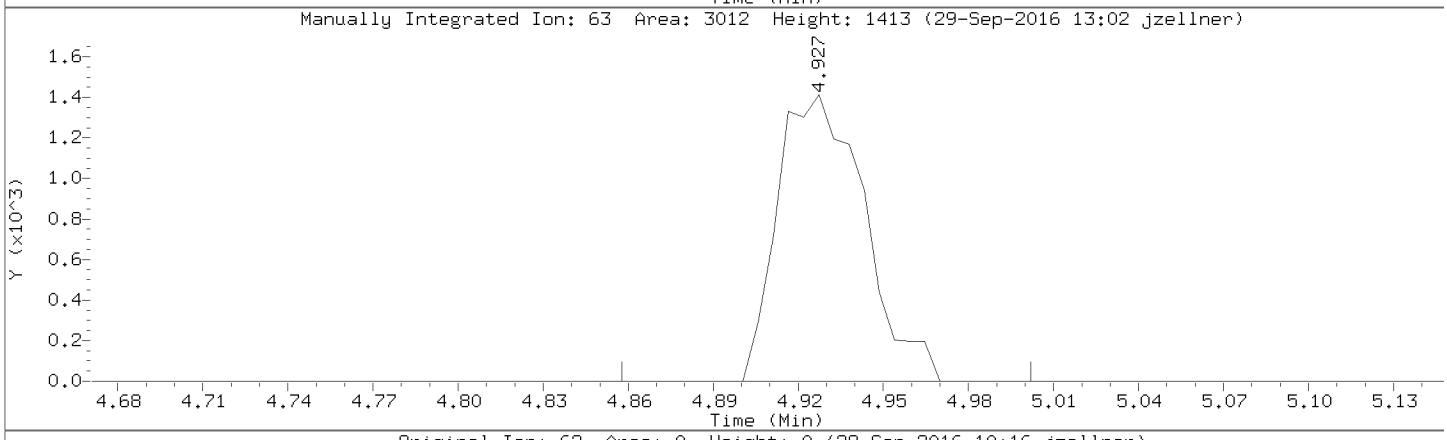
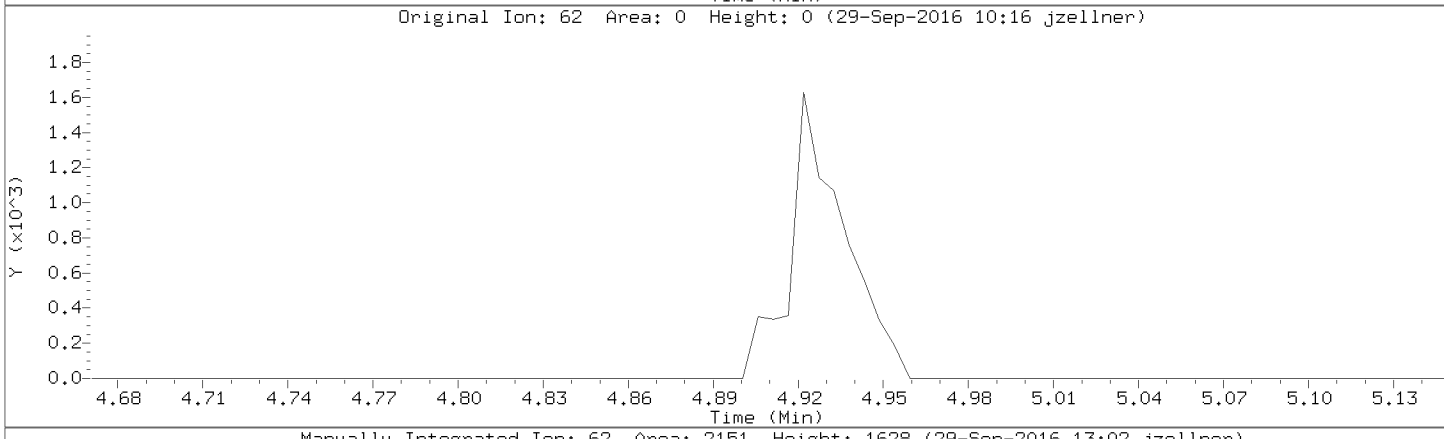
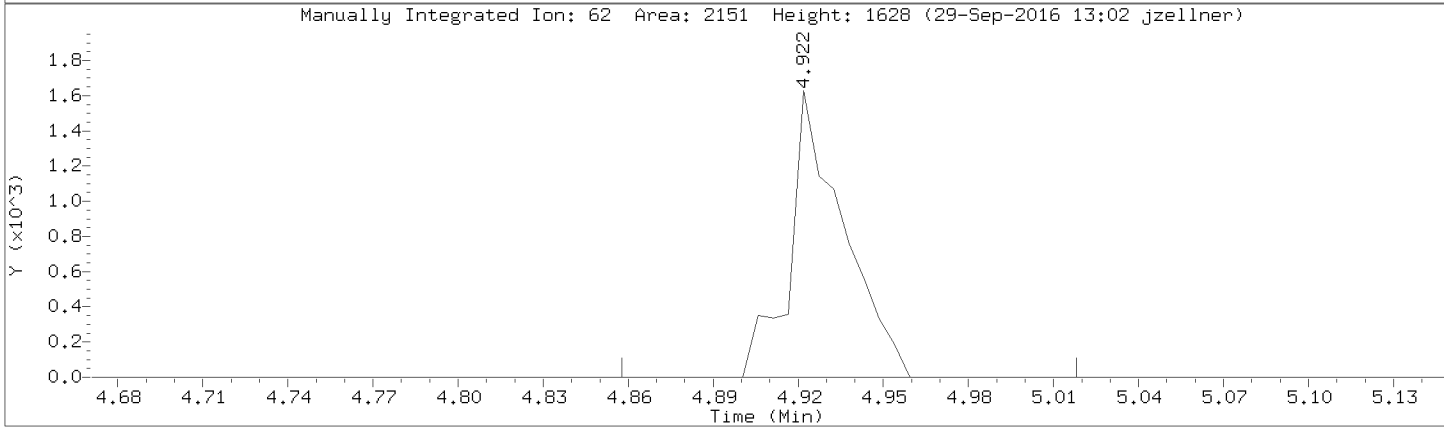
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5









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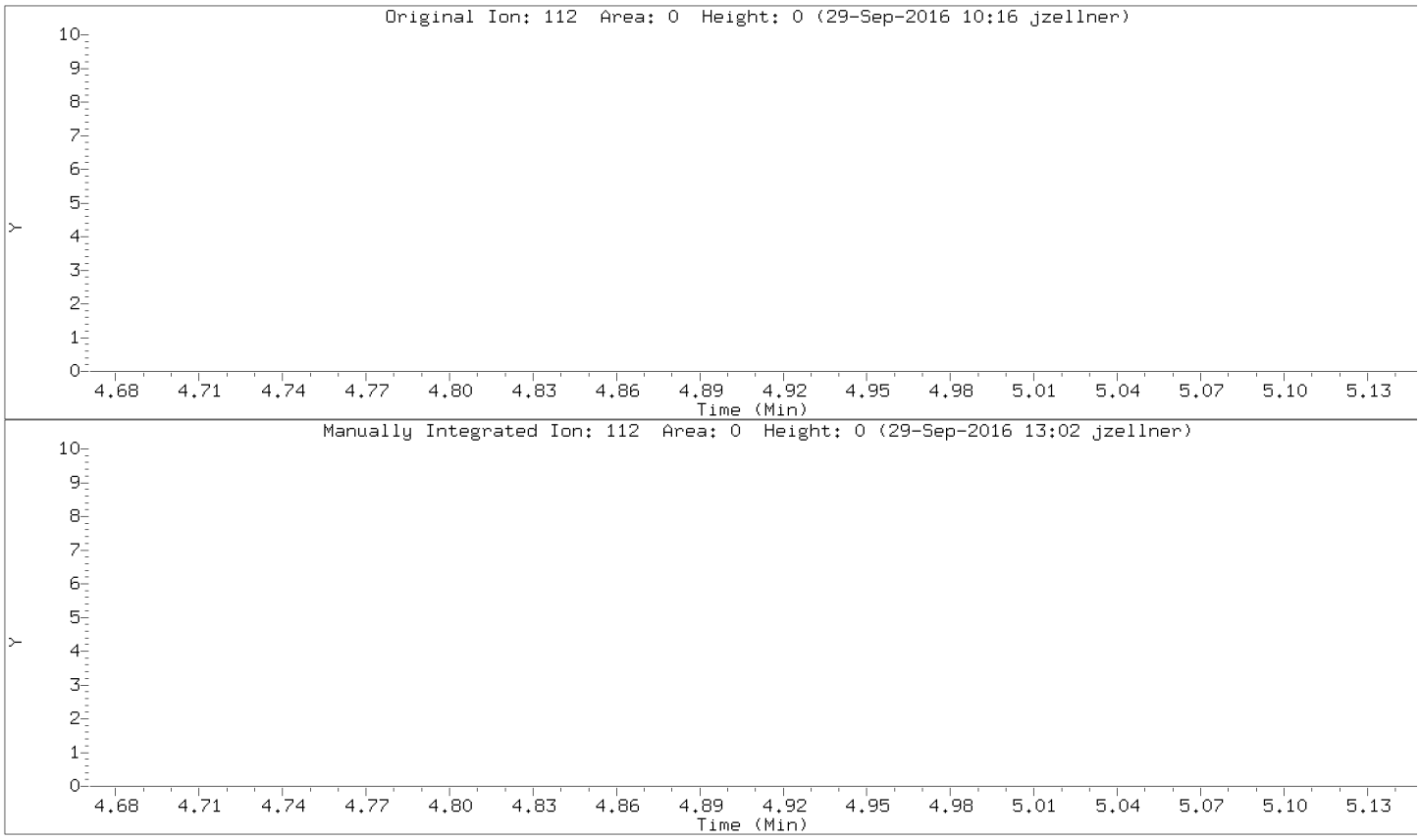
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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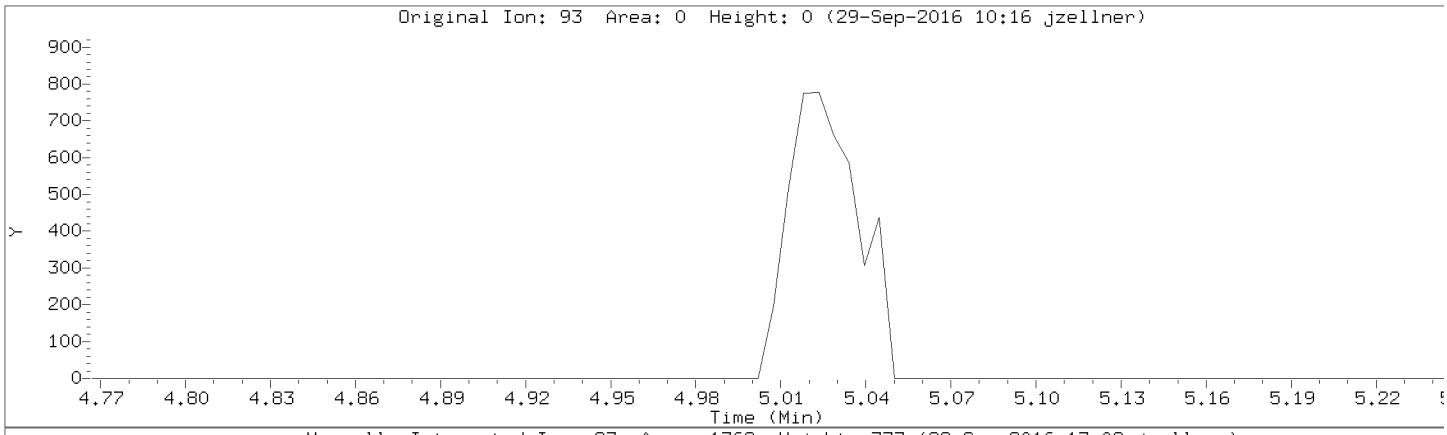
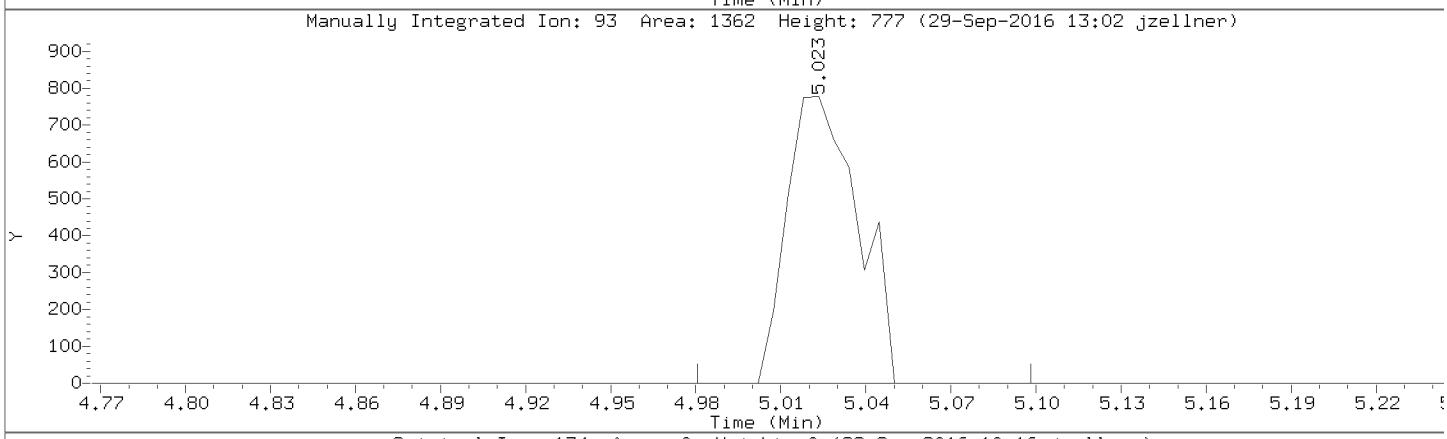
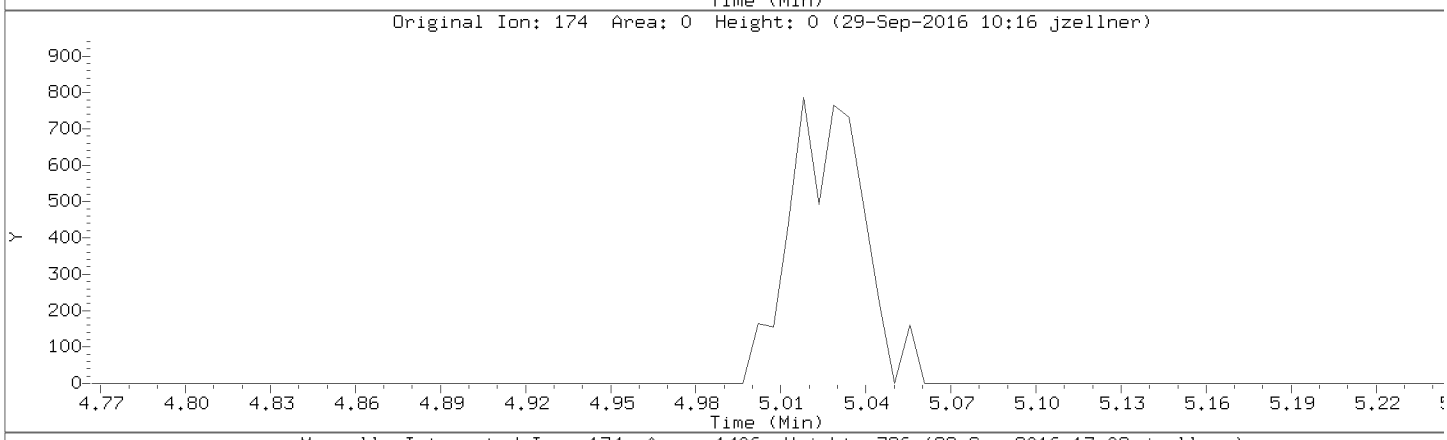
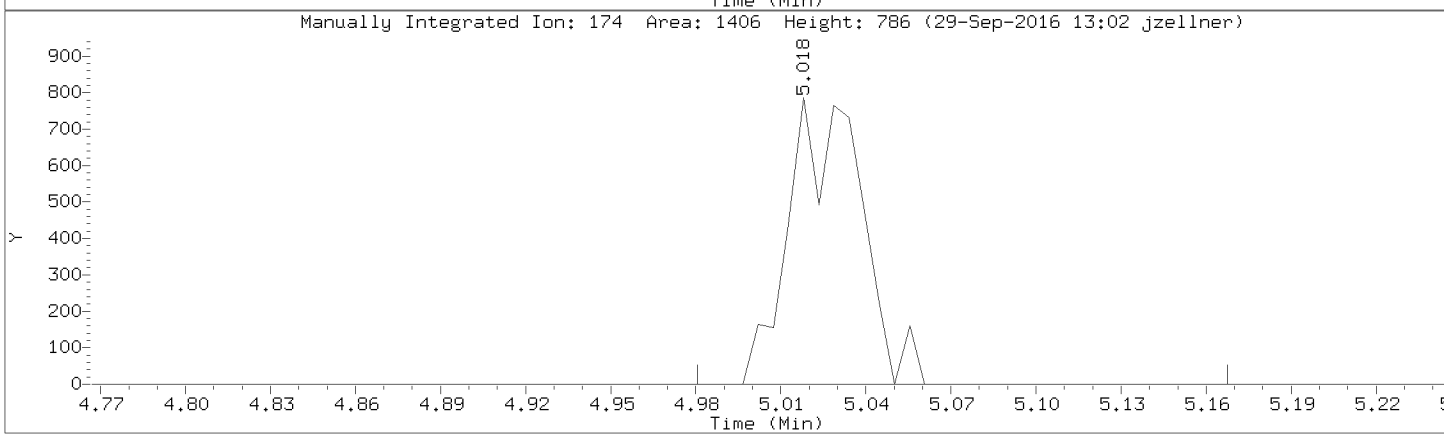
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Dibromomethane Review Code: NI
CAS Number: 74-95-3

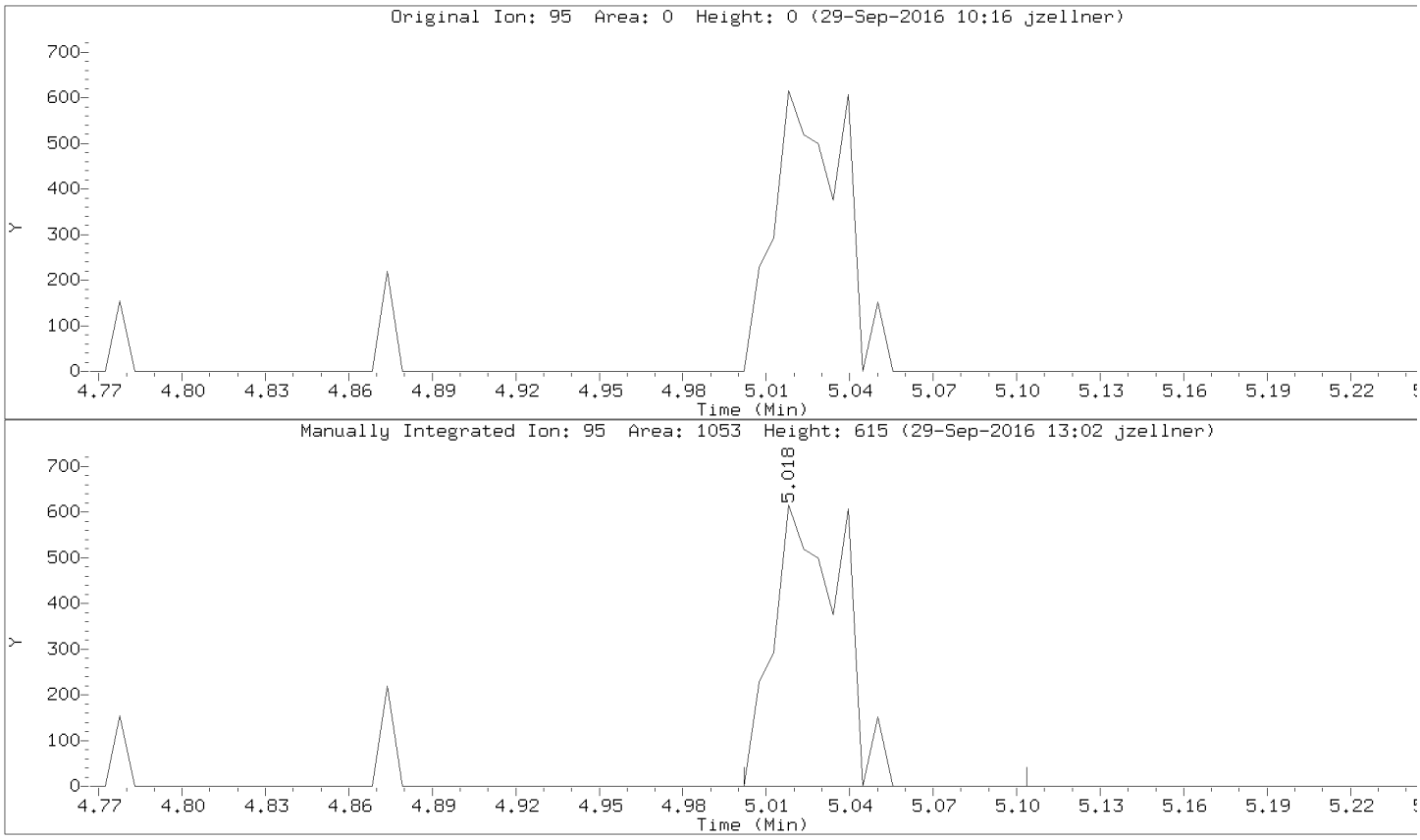






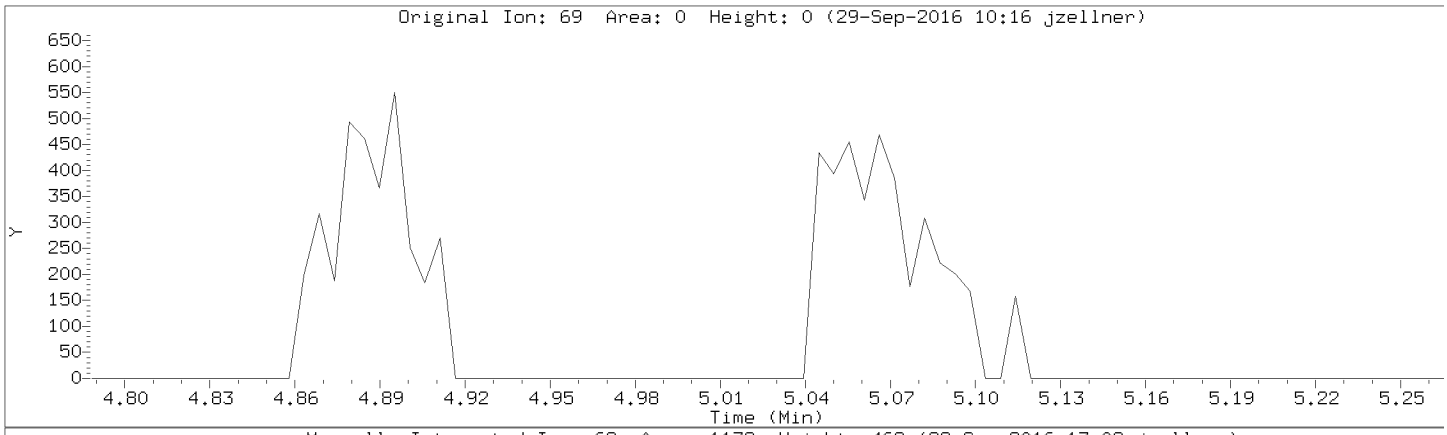


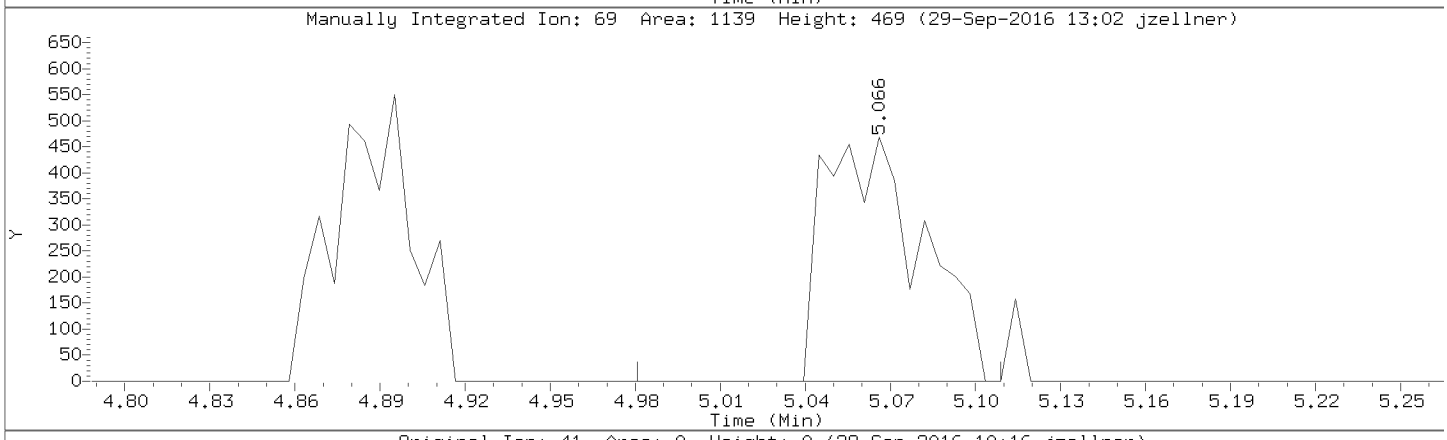
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

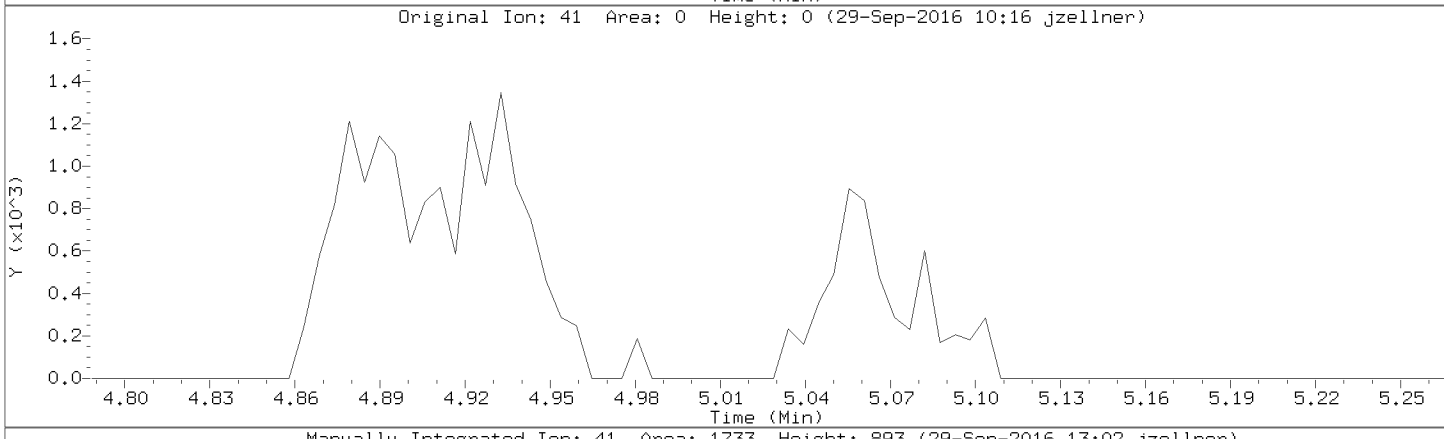


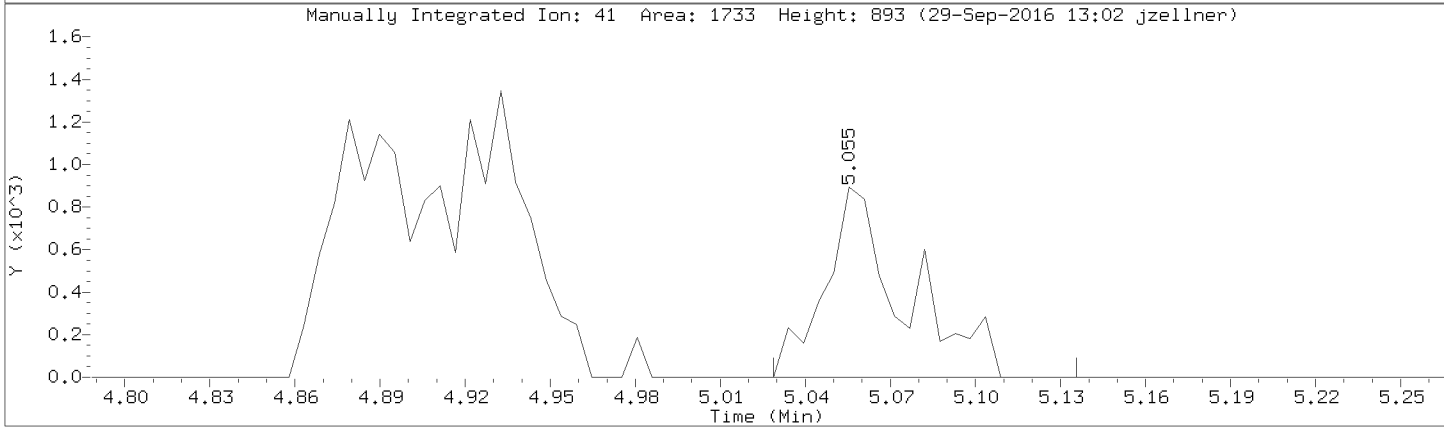
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6

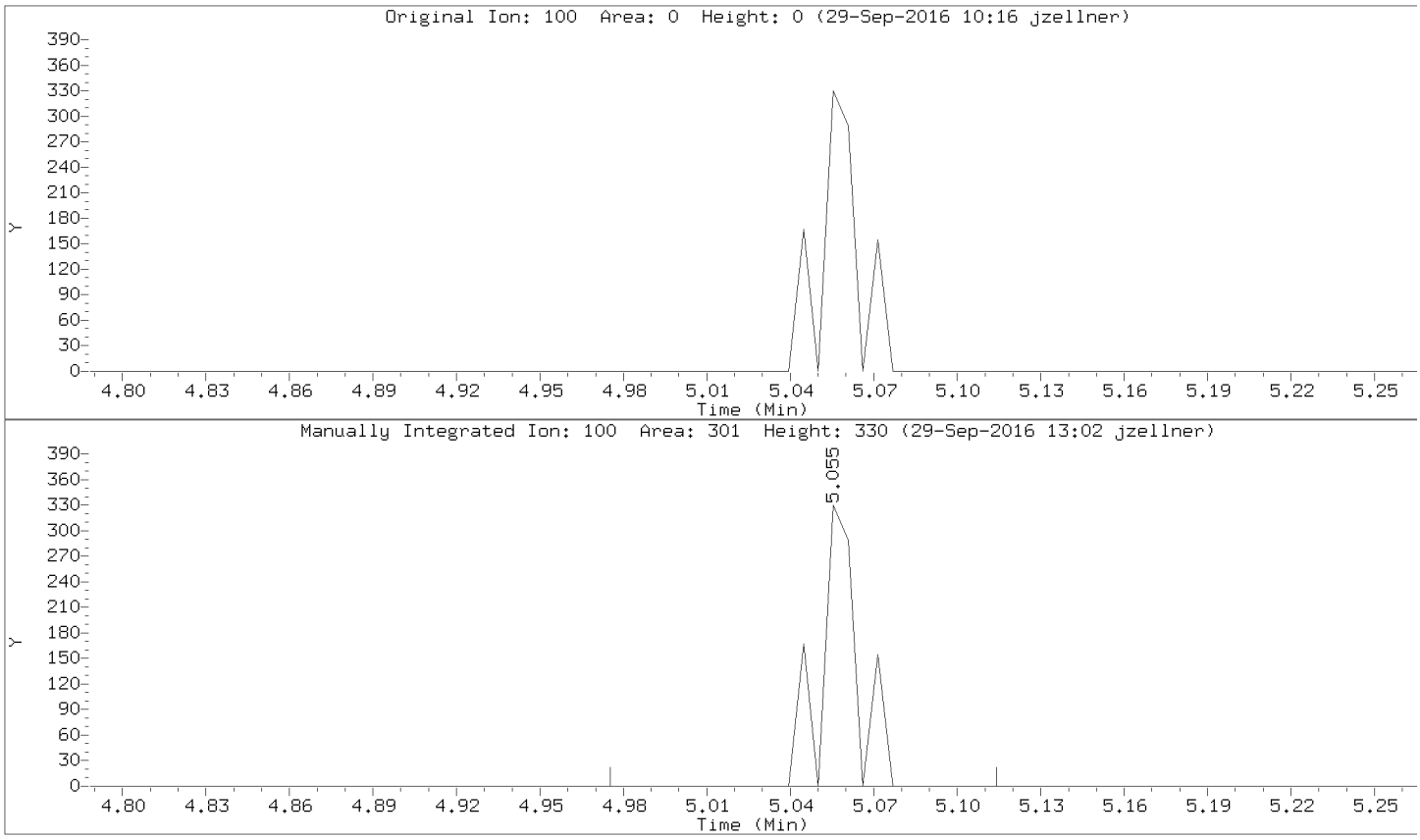






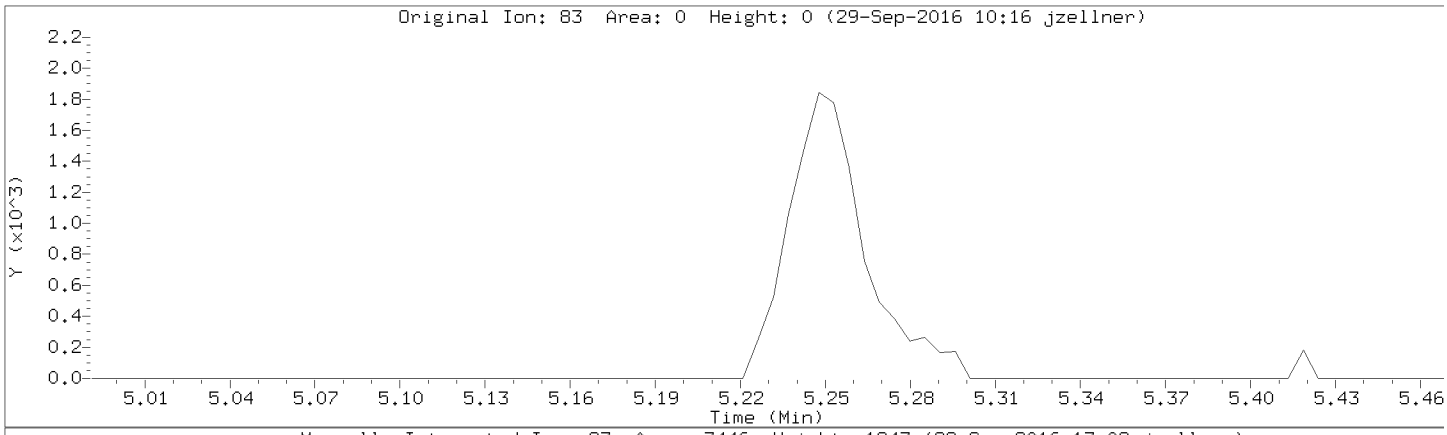


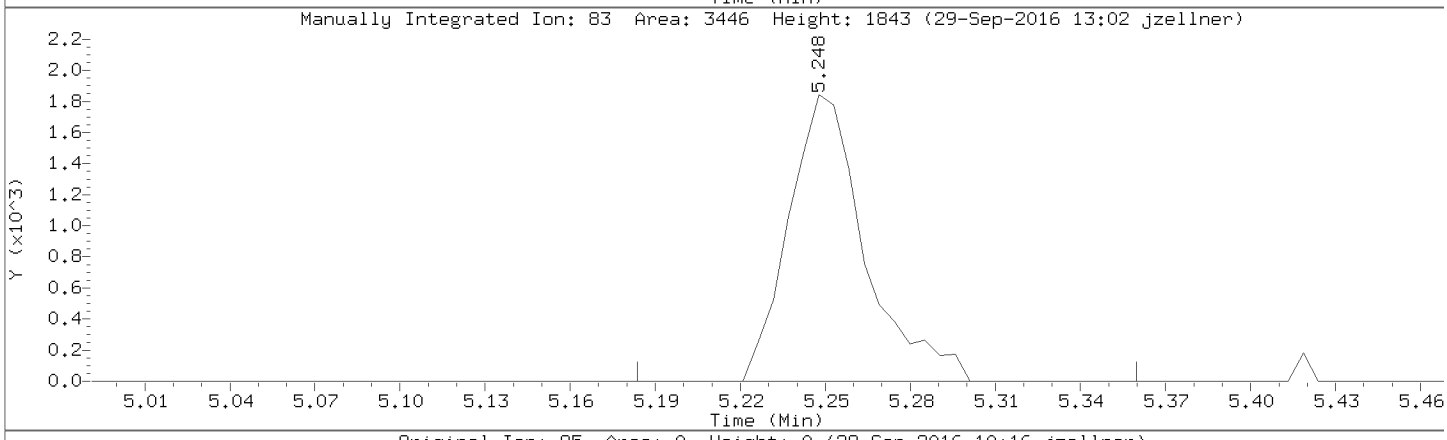
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

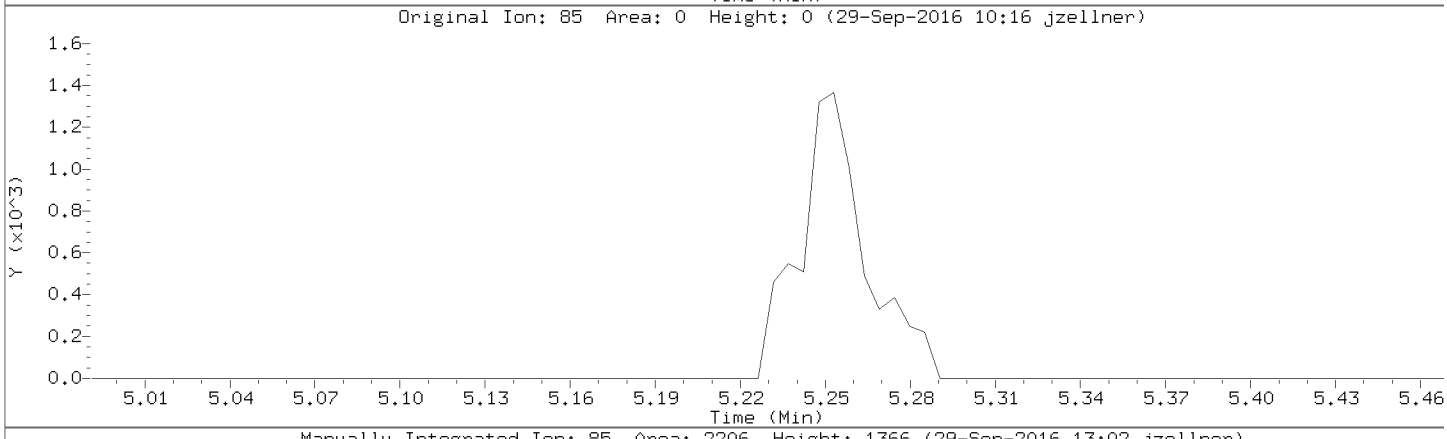


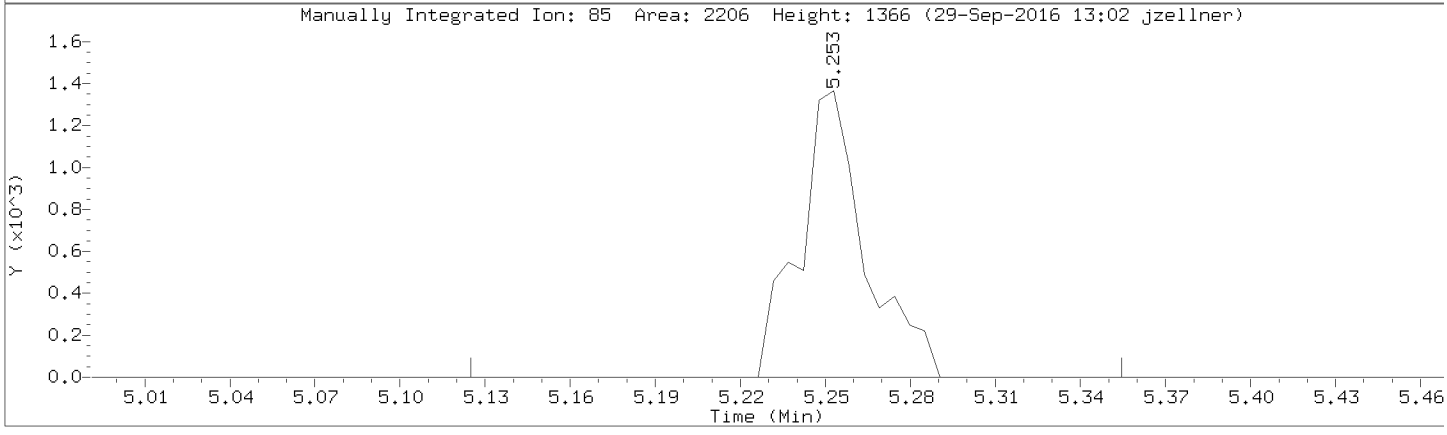
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

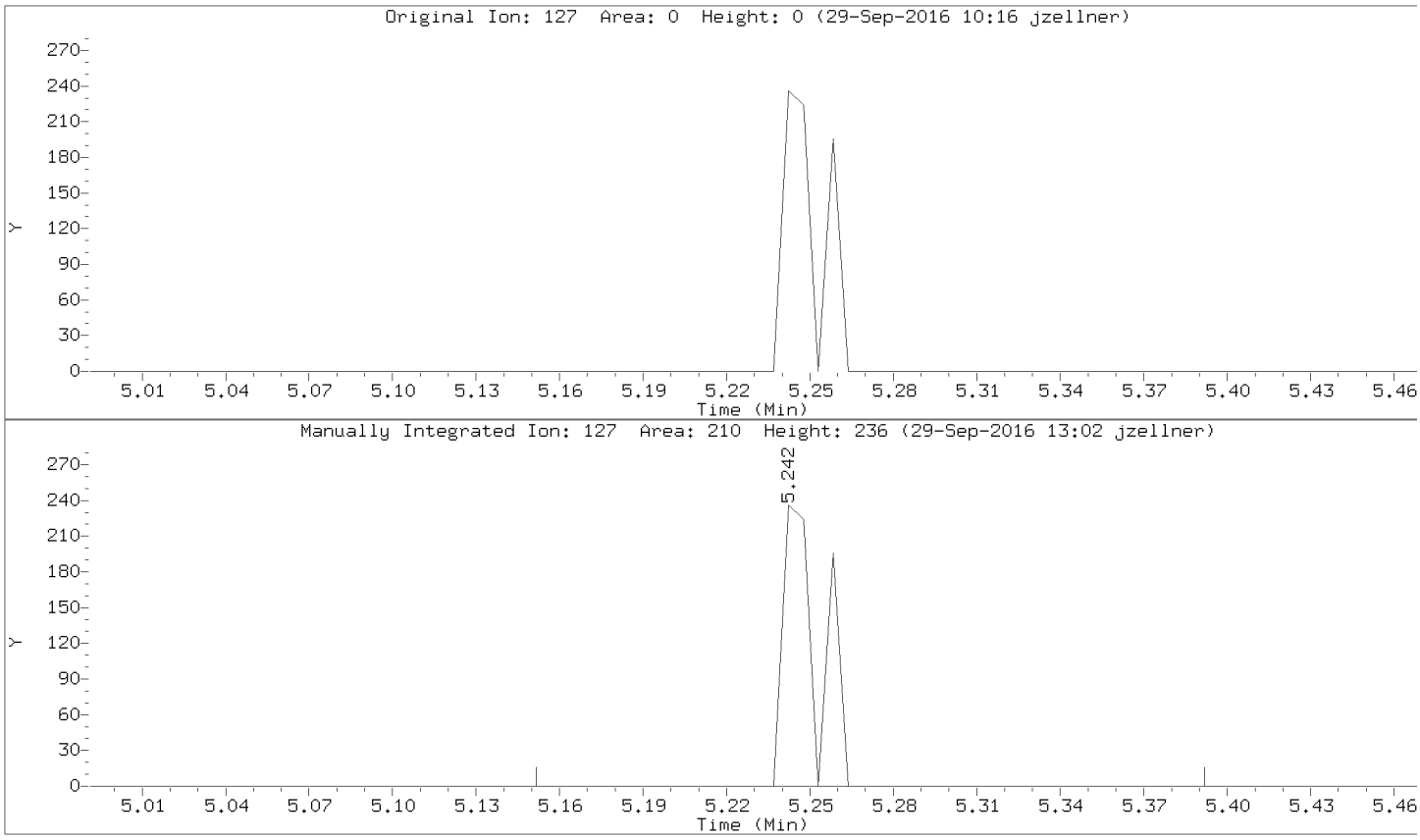






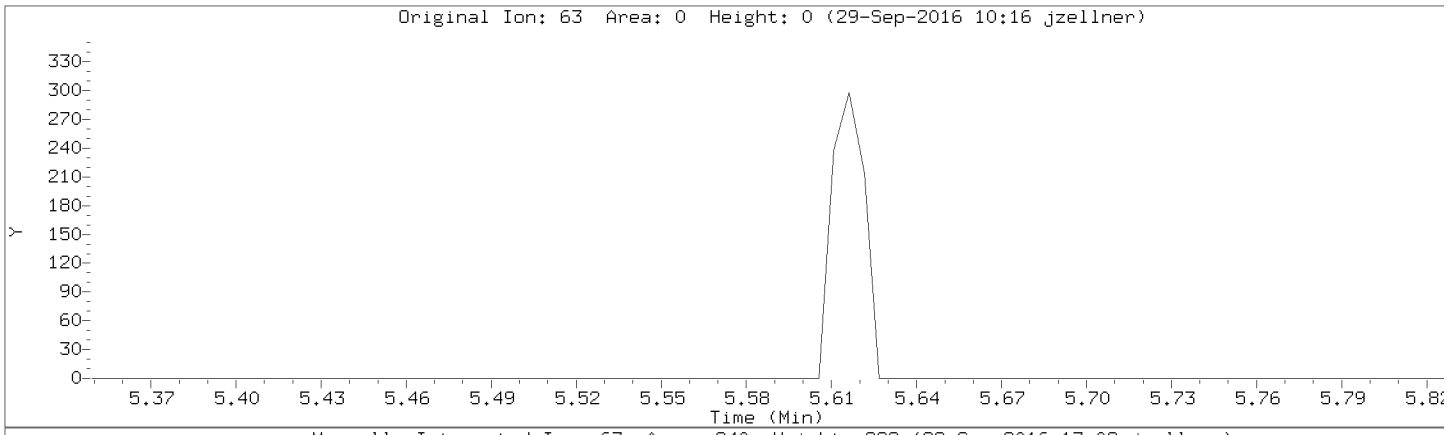


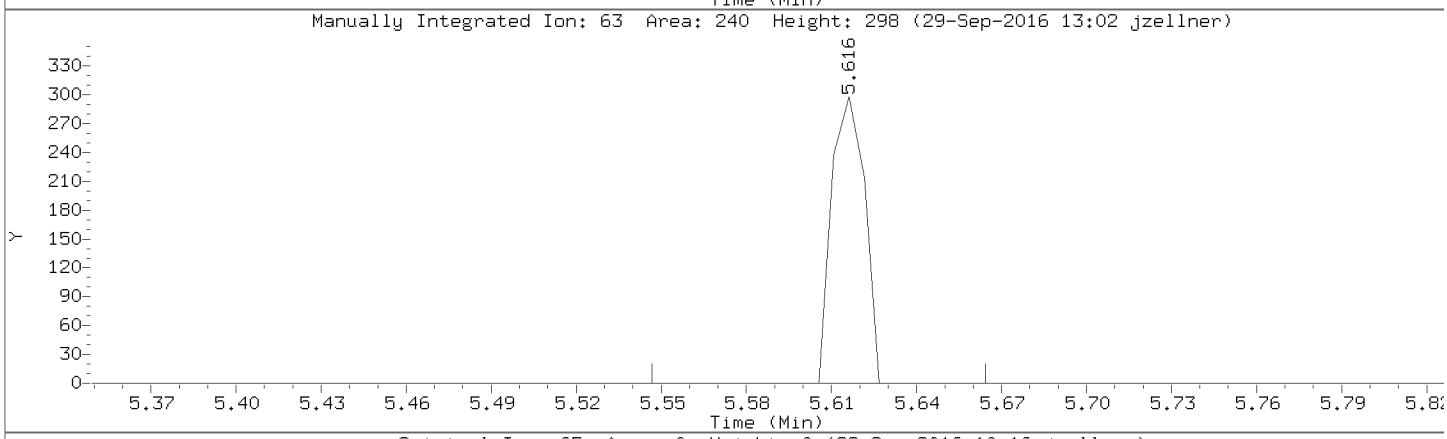
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

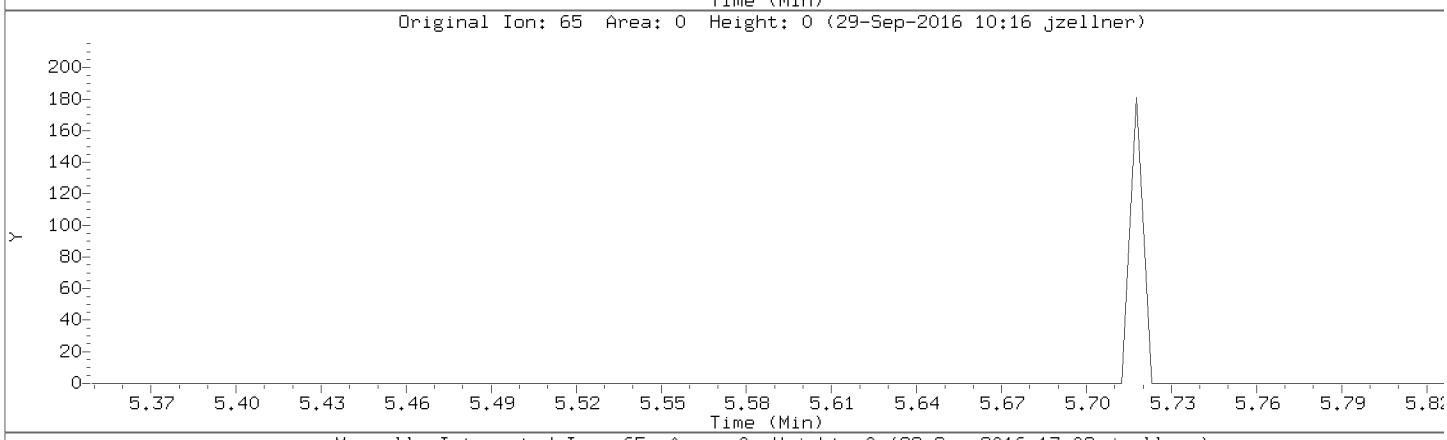


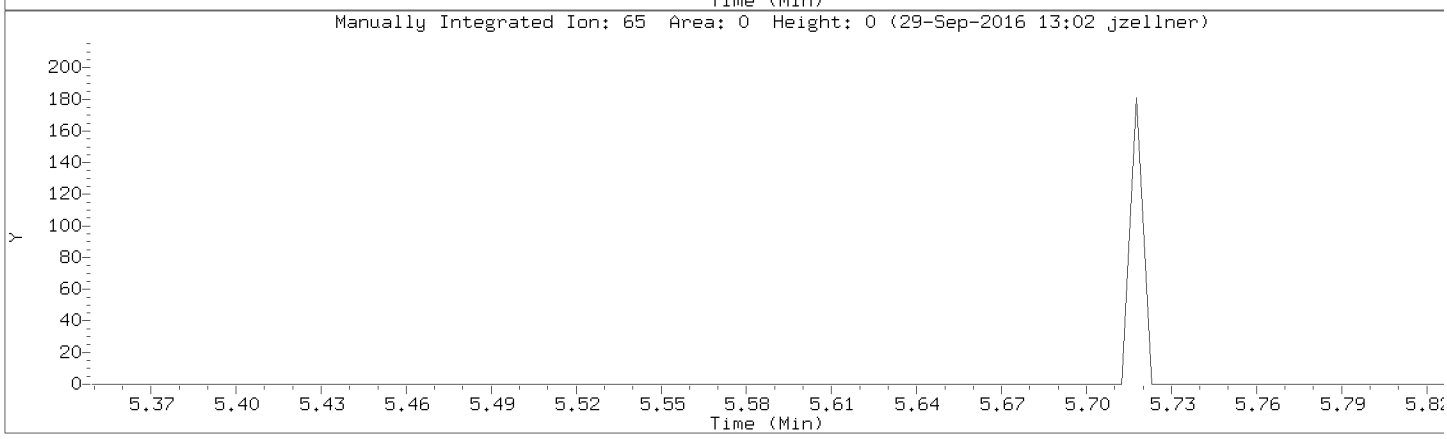
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 2-Chloroethyl vinyl ether Review Code: NI
CAS Number: 110-75-8



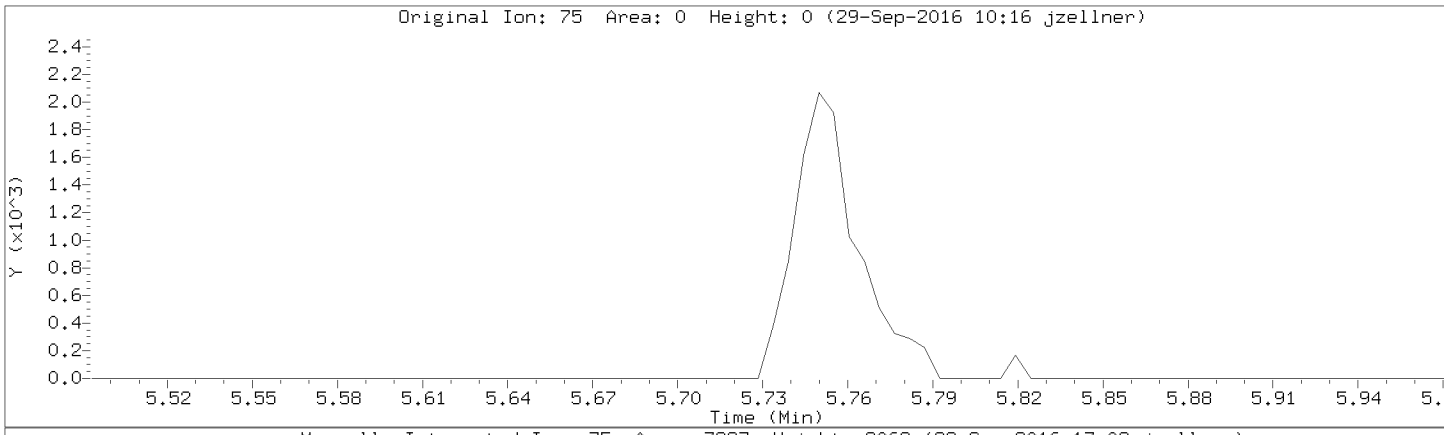


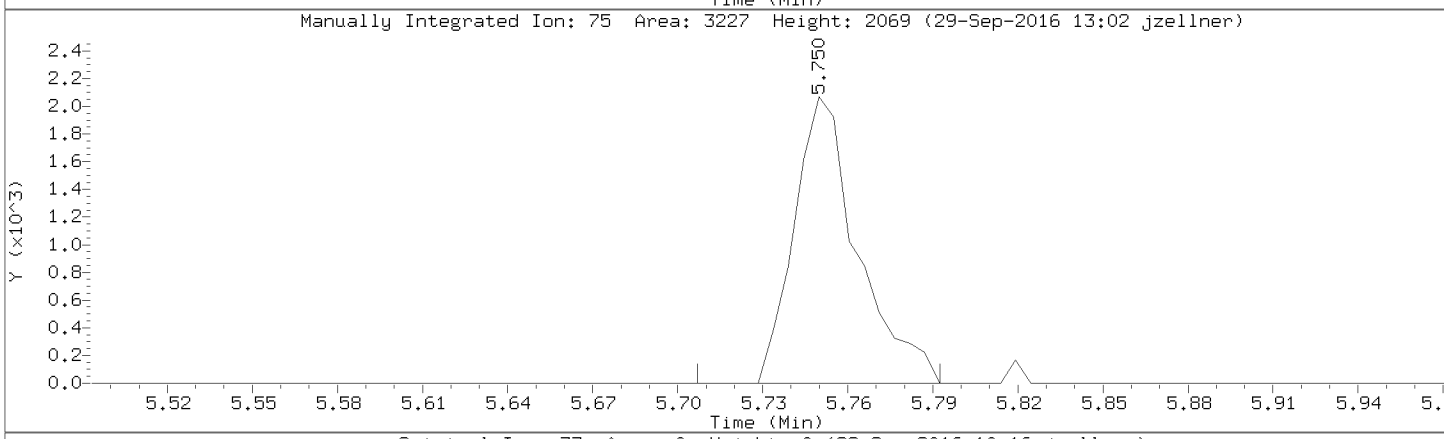


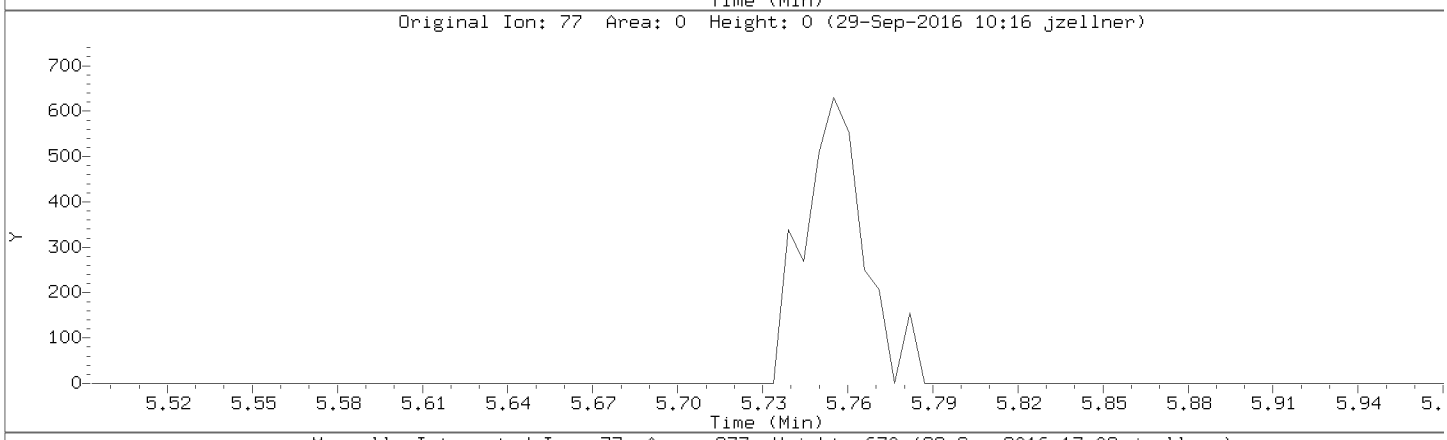


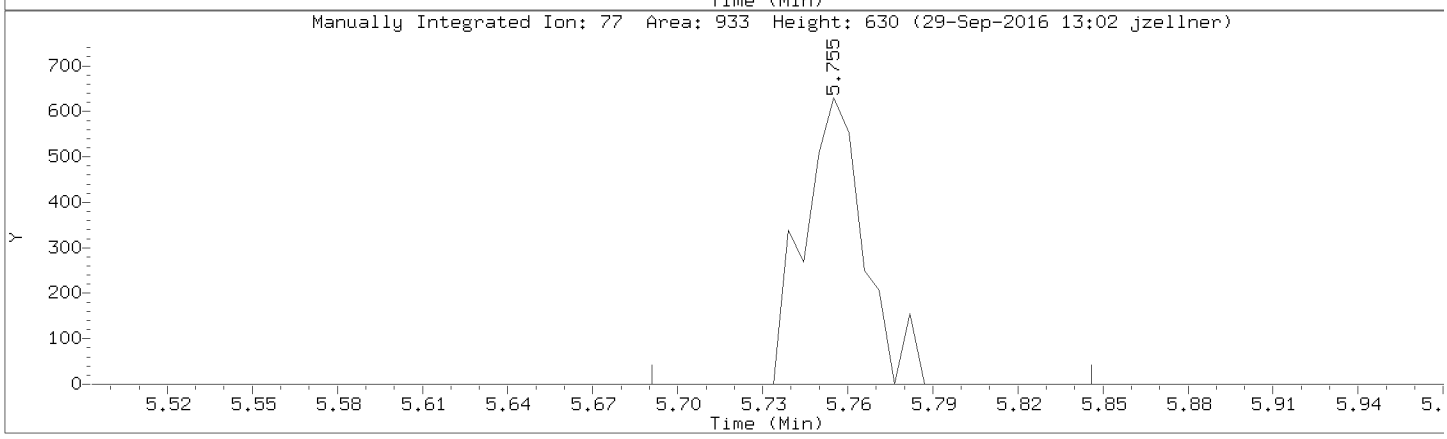
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: cis-1,3-Dichloropropene Review Code: NI
CAS Number: 10061-01-5



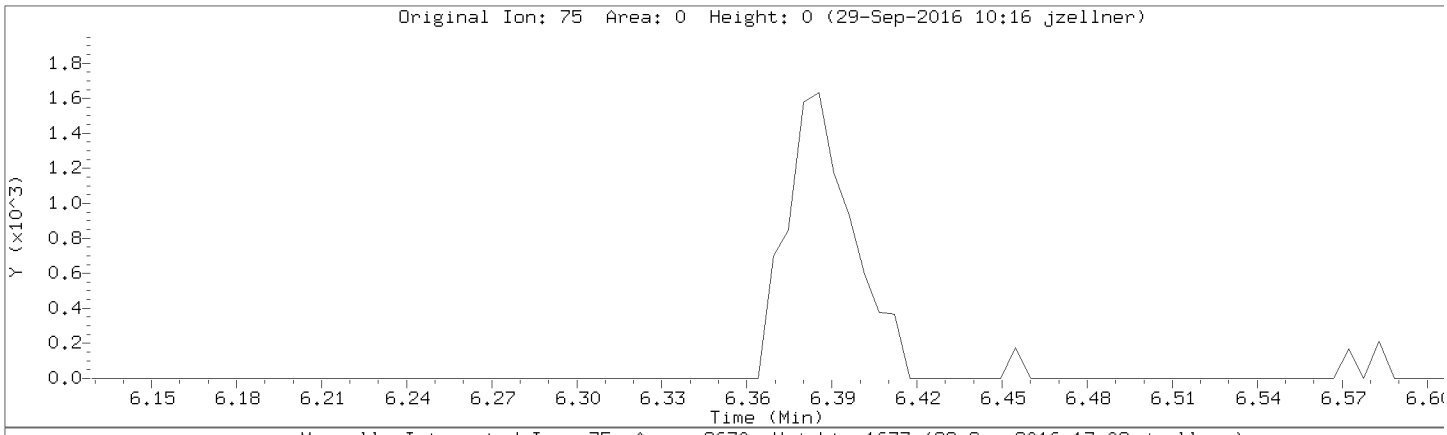


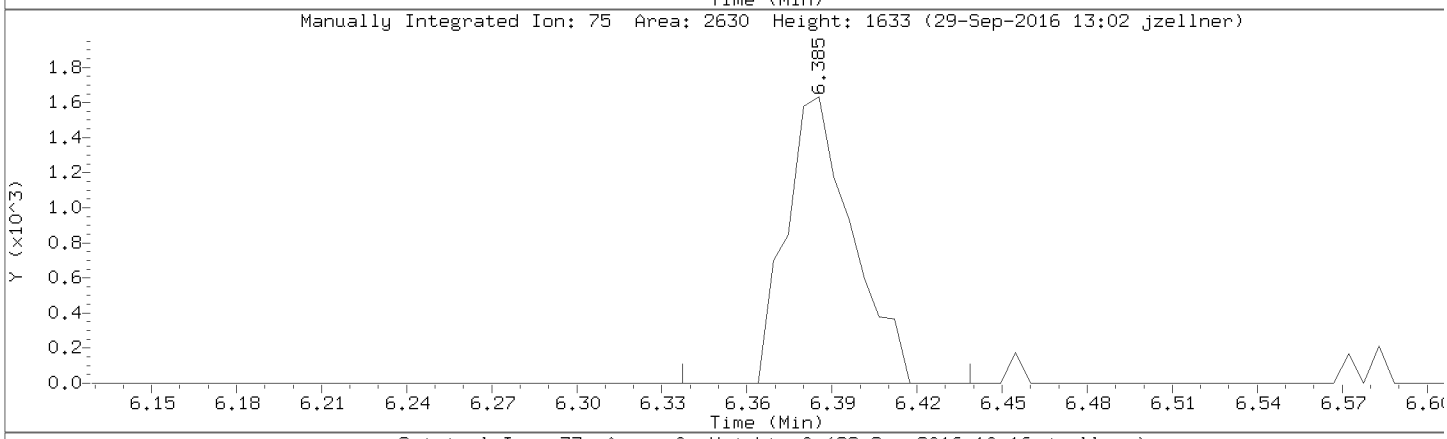


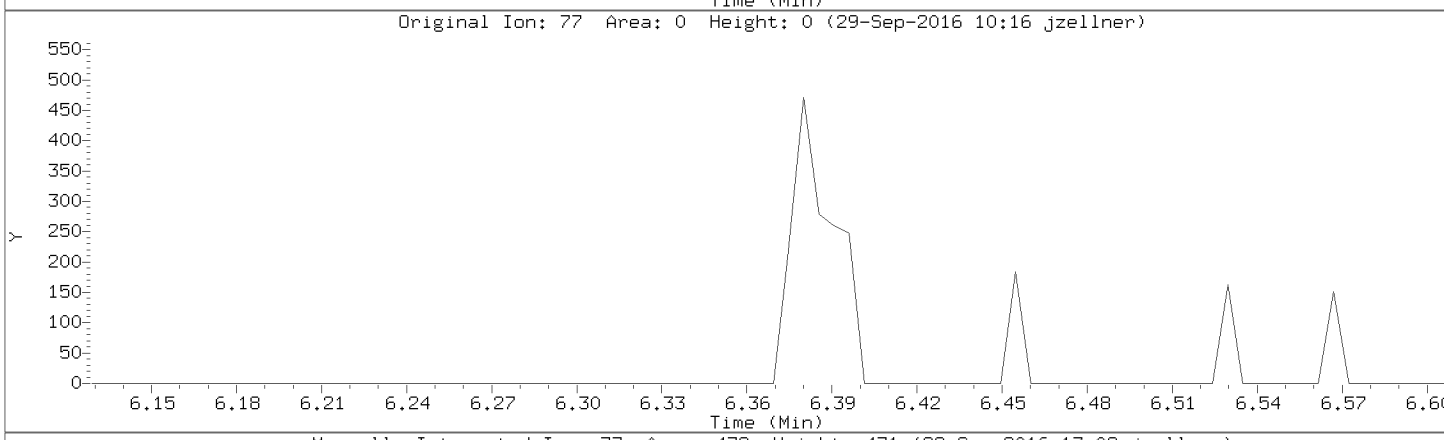


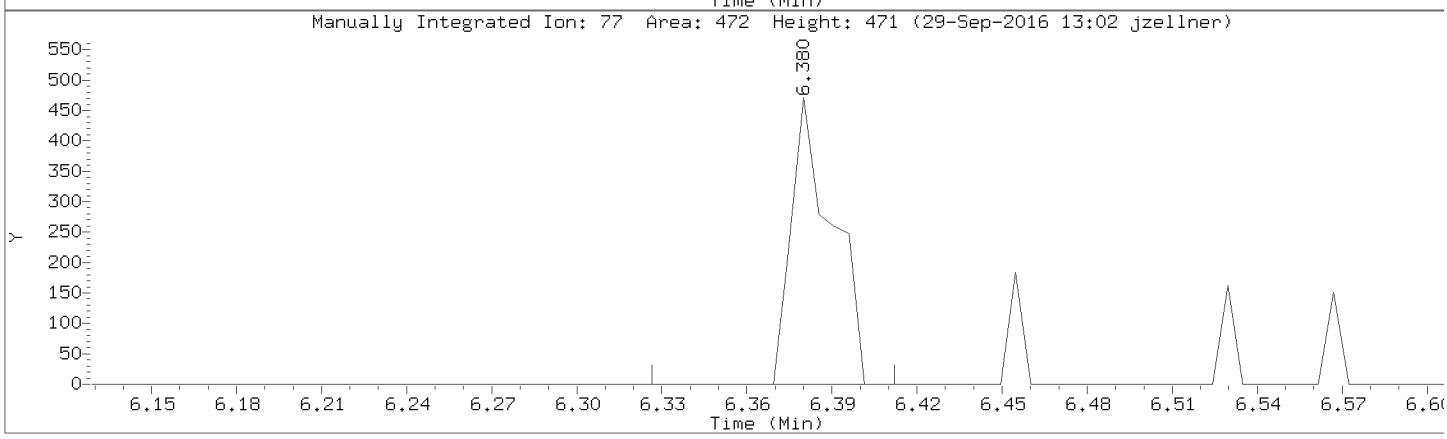
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: trans-1,3-Dichloropropene Review Code: NI
CAS Number: 10061-02-6



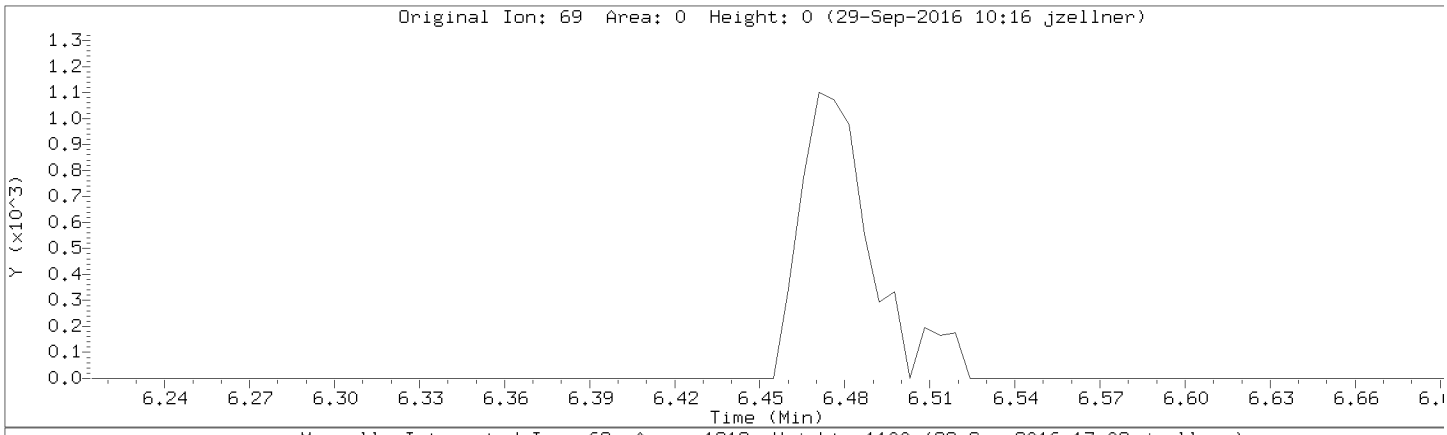


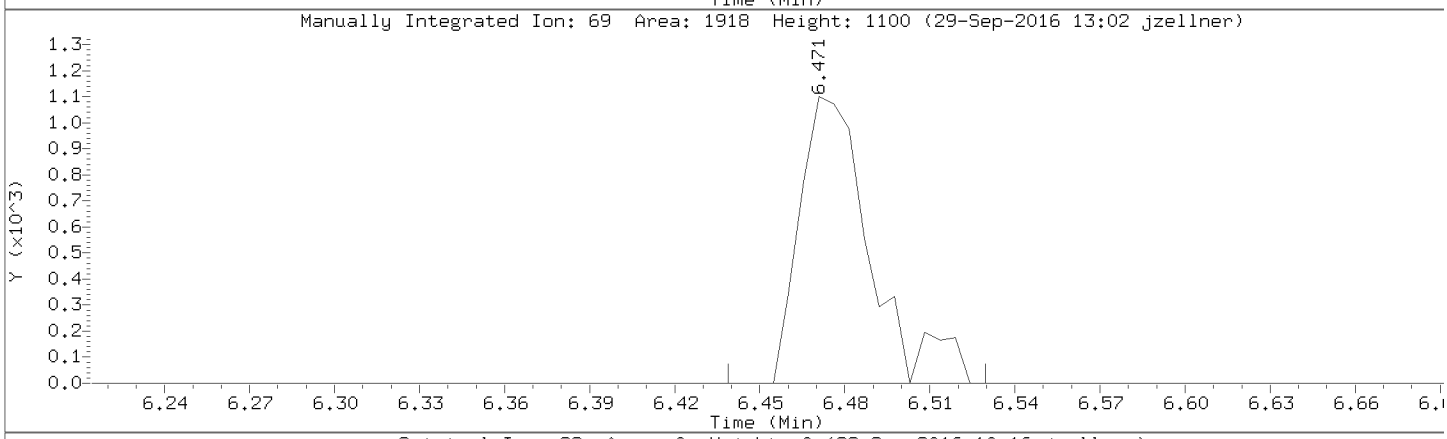


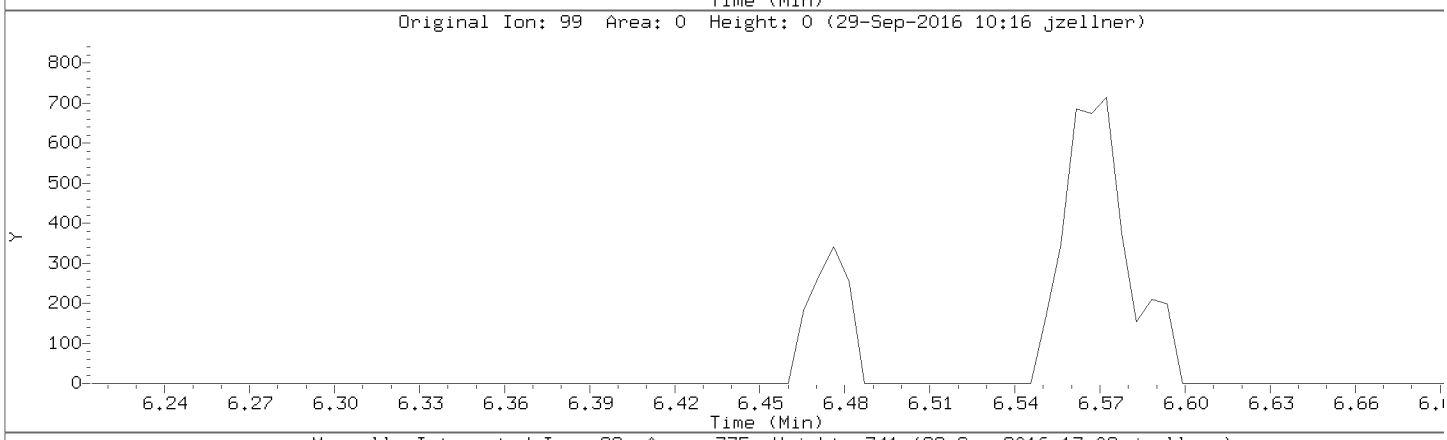


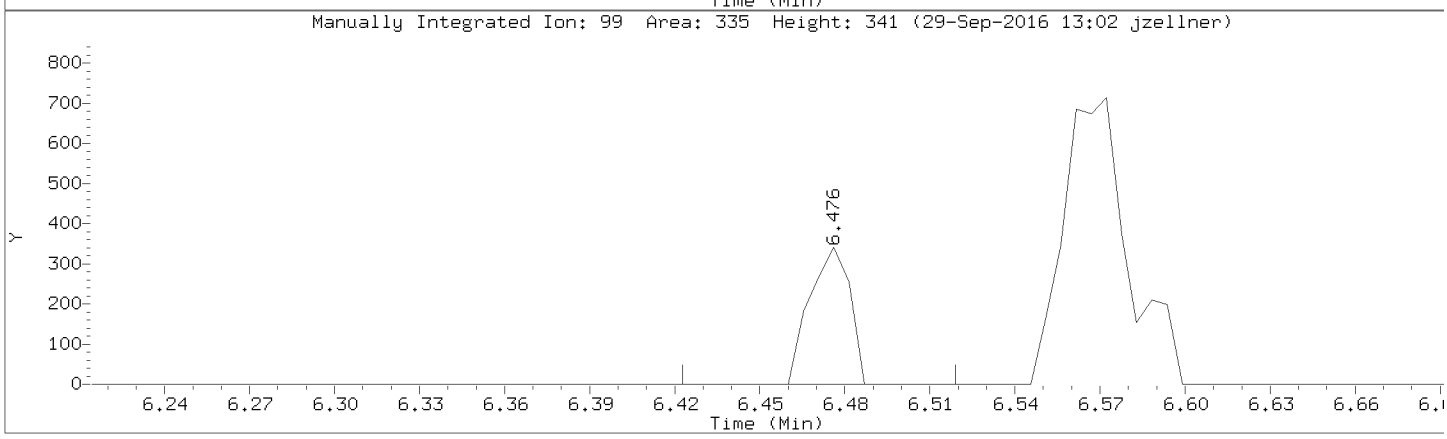
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

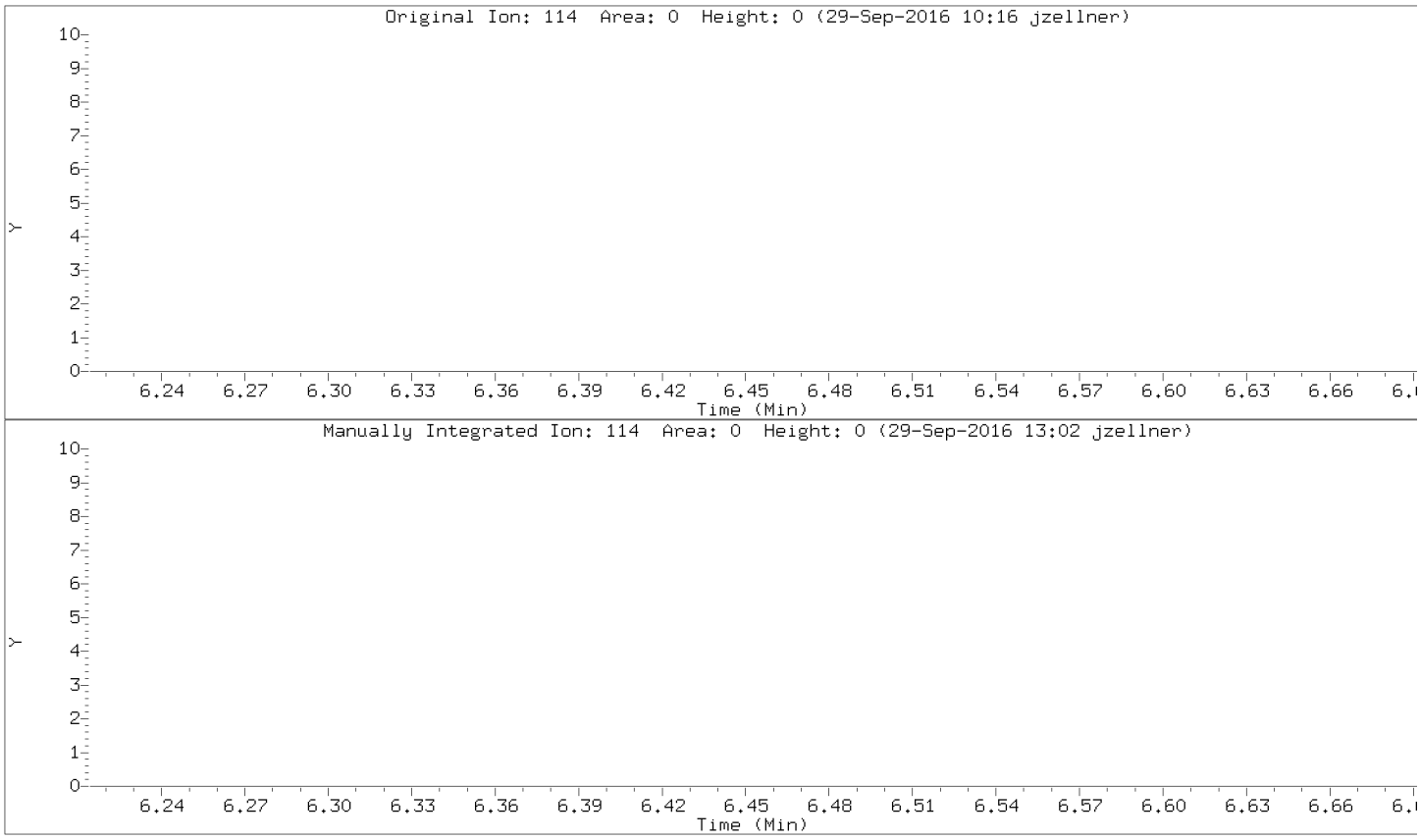








Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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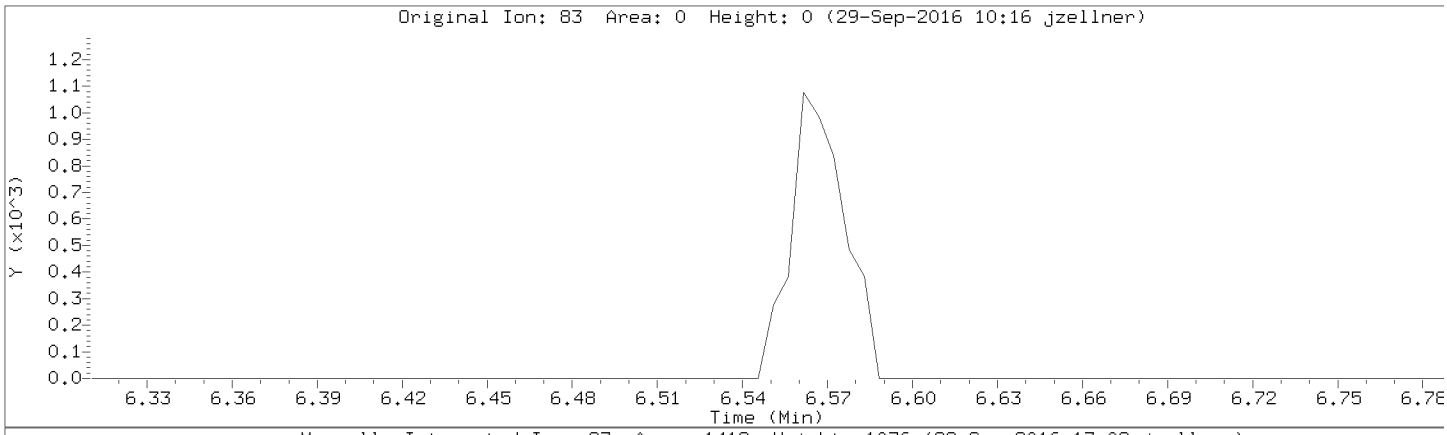
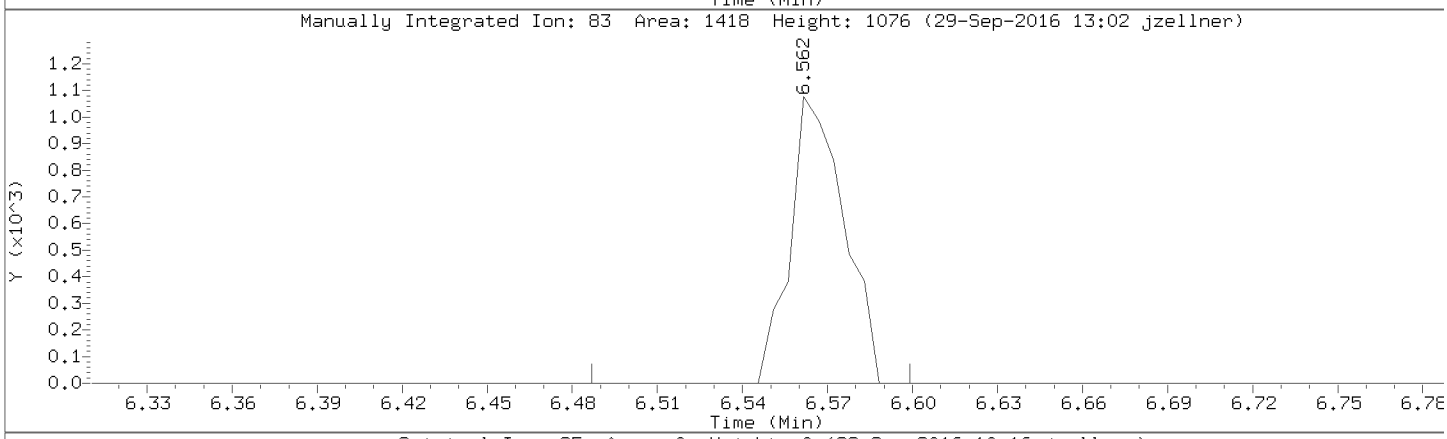
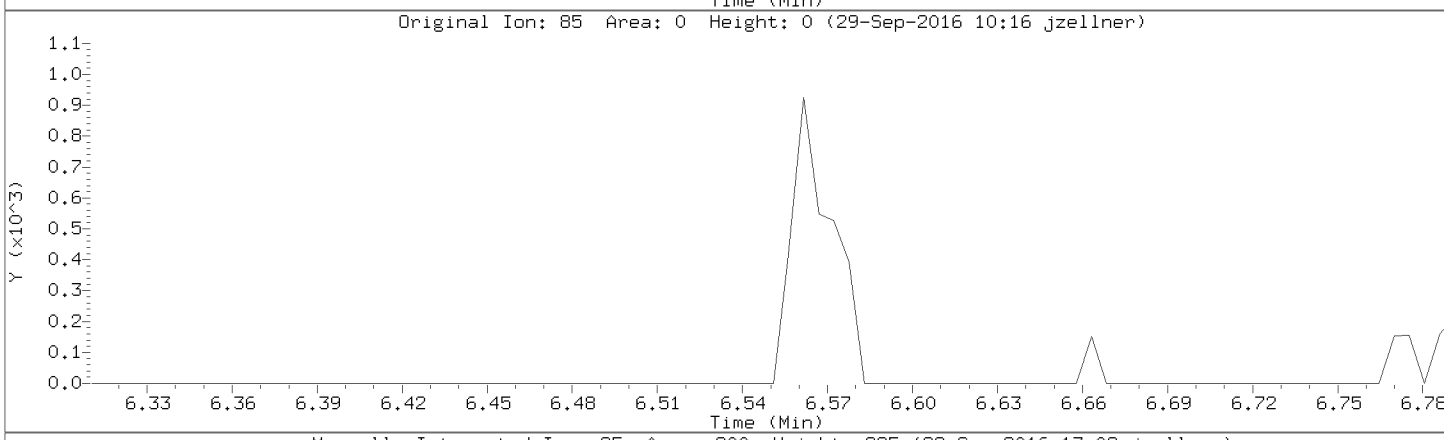
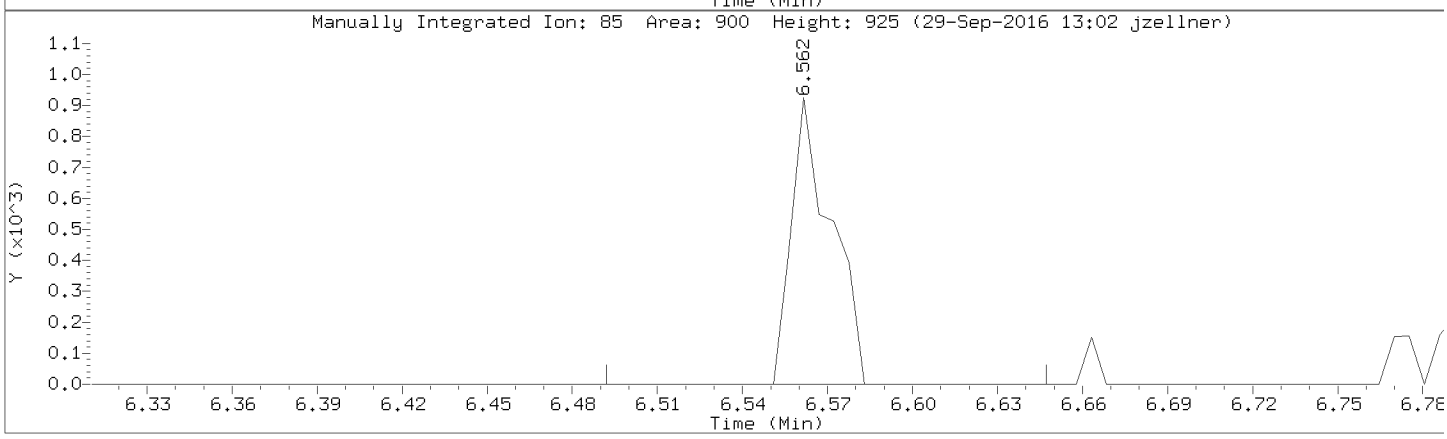
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,1,2-Trichloroethane Review Code: NI
CAS Number: 79-00-5

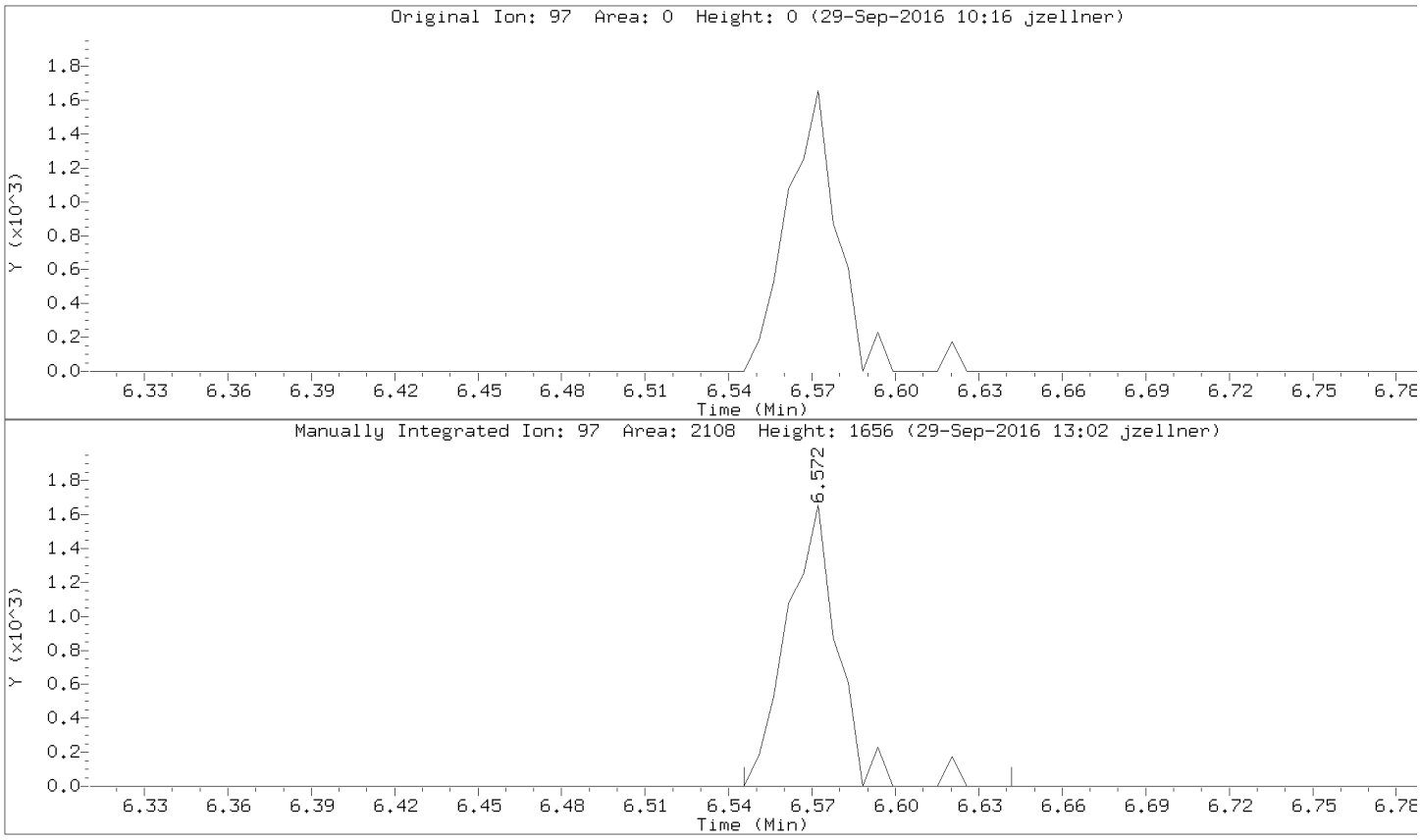






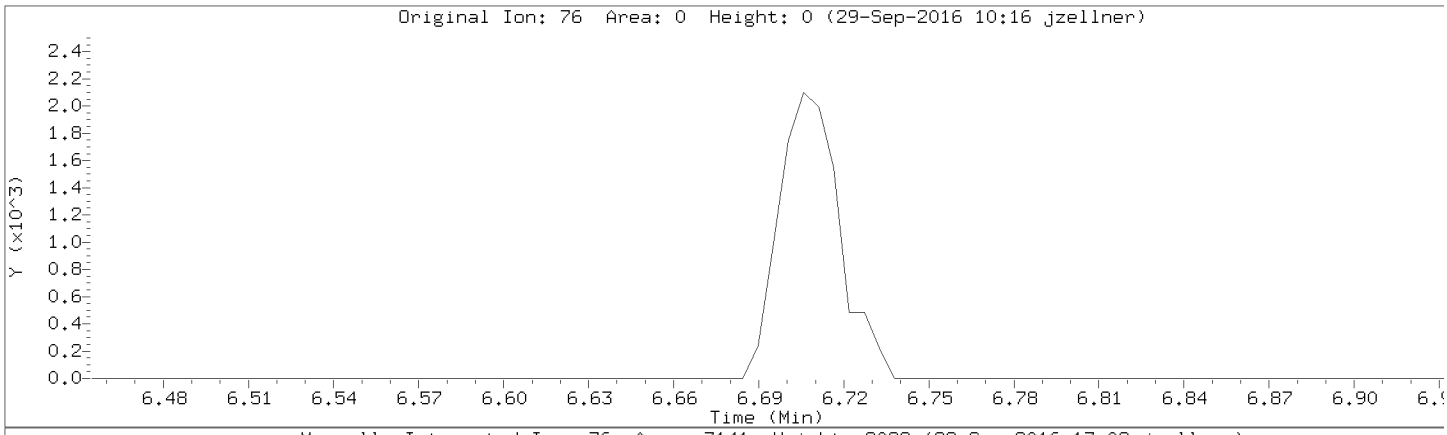


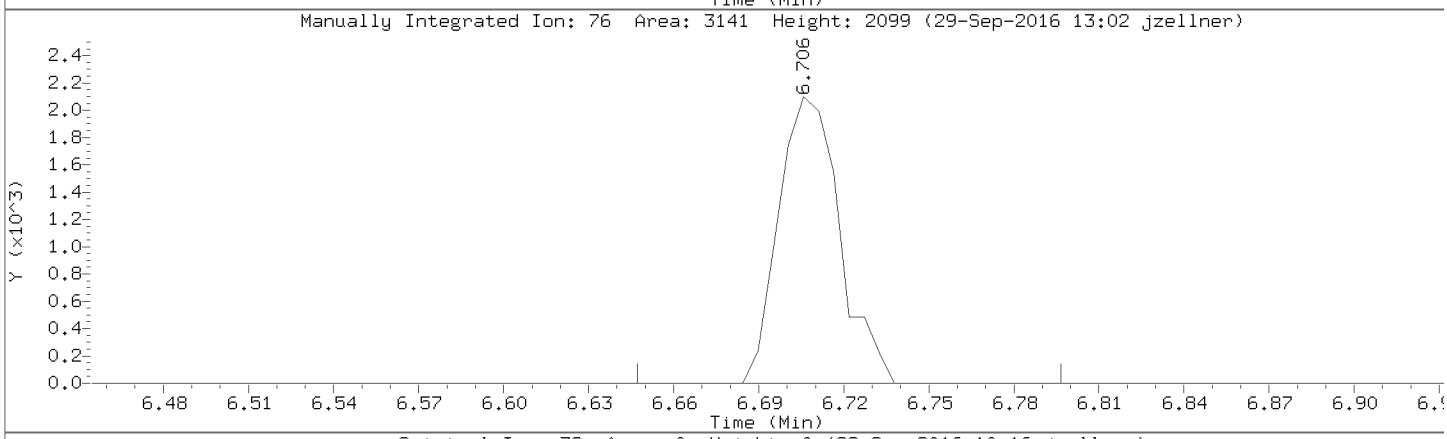
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

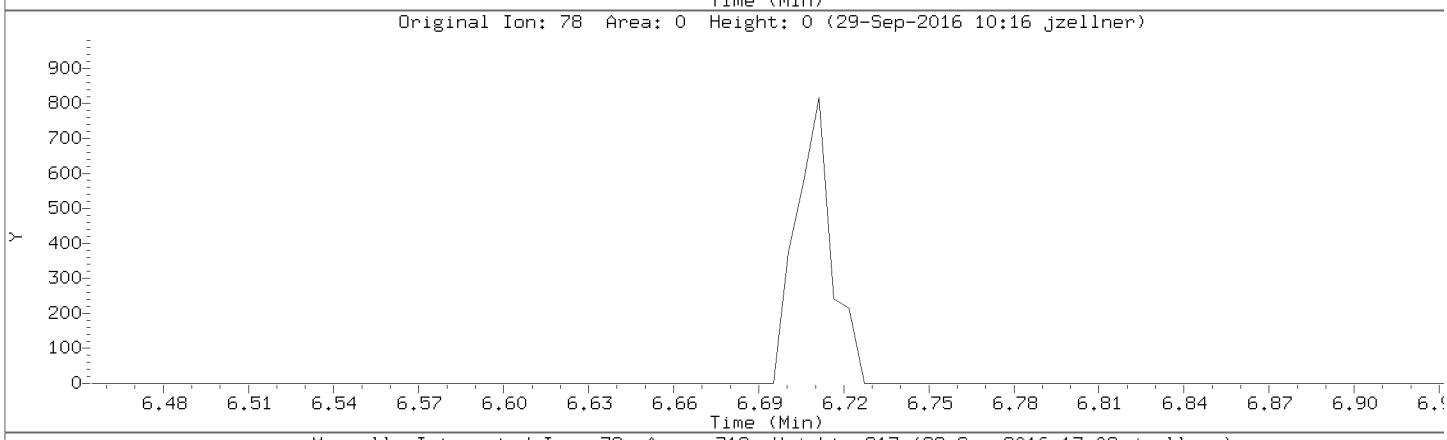


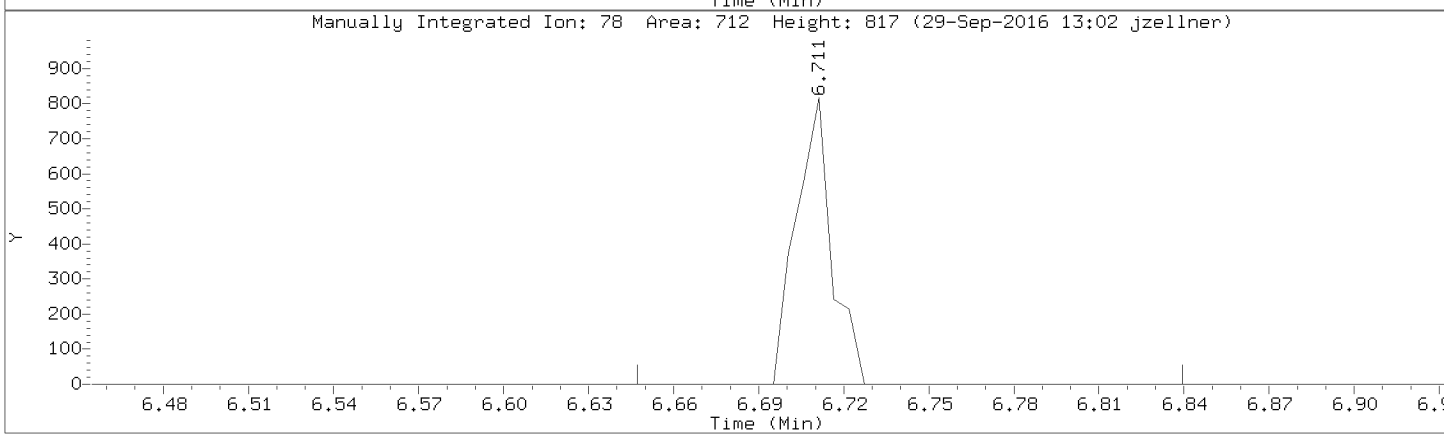
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,3-Dichloropropane Review Code: NI
CAS Number: 142-28-9



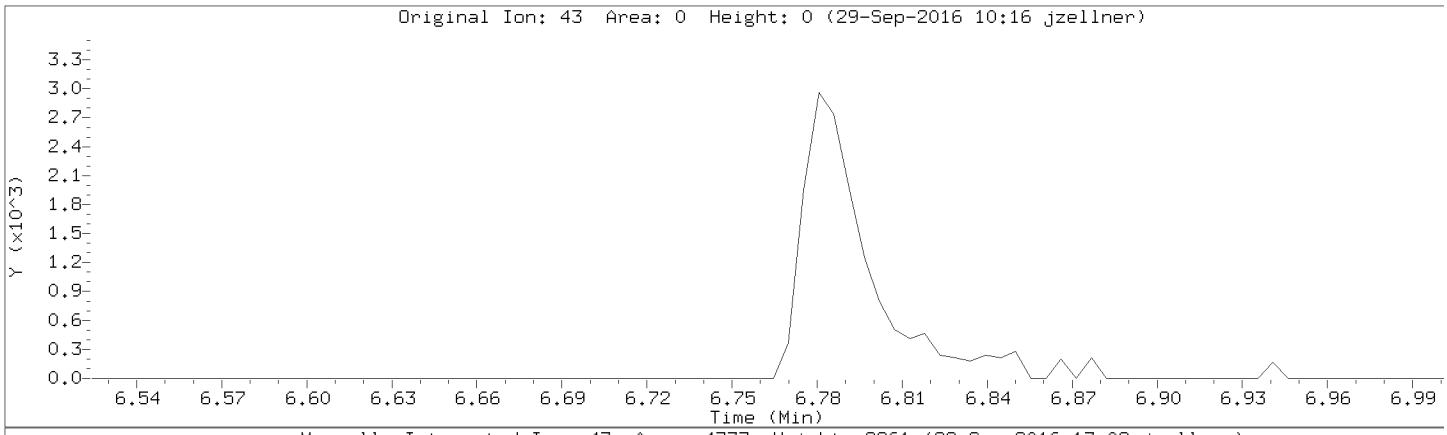


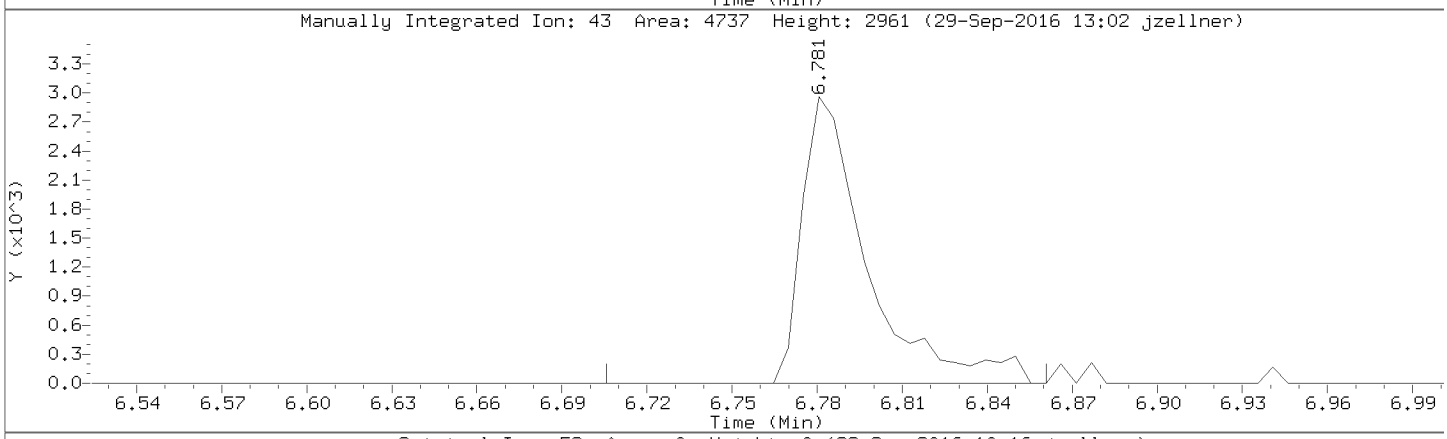


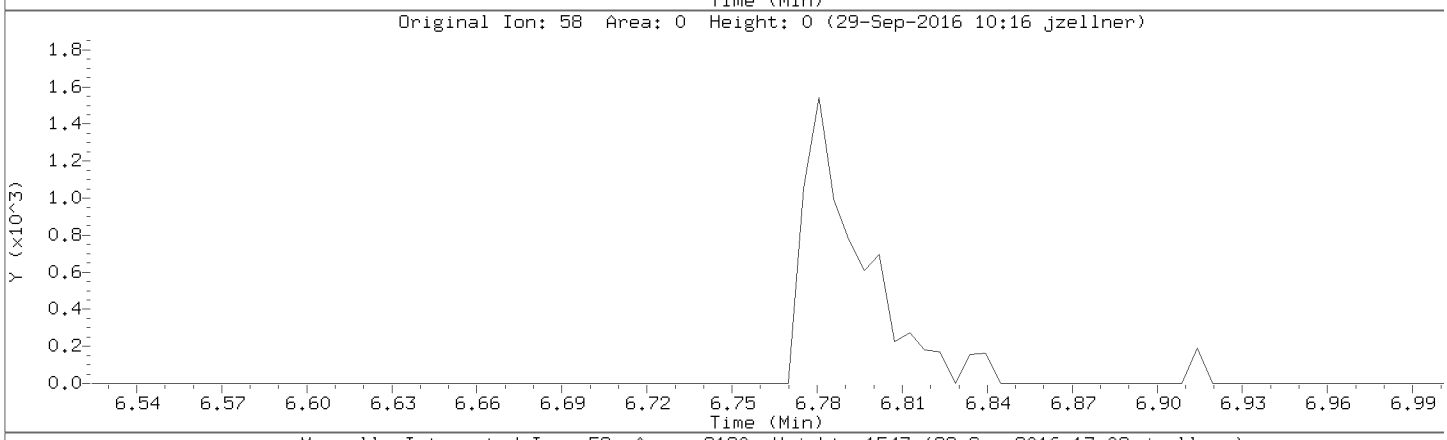


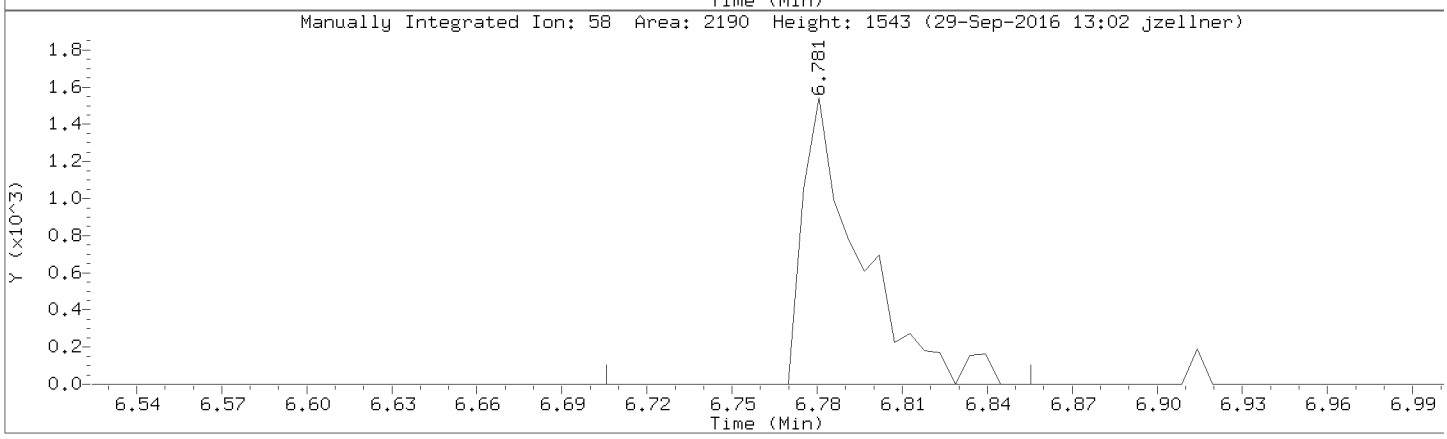
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 2-Hexanone Review Code: NI
CAS Number: 591-78-6

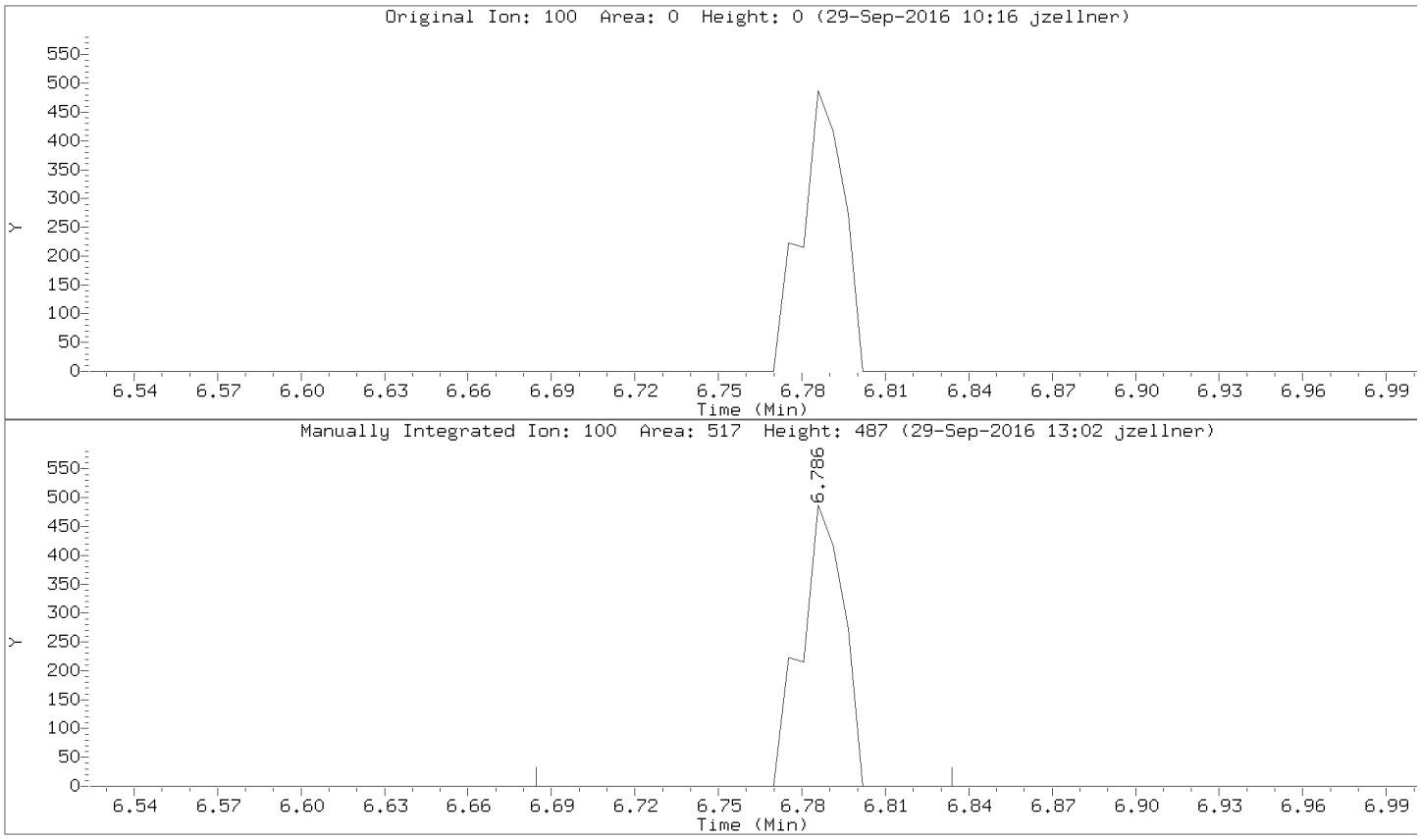






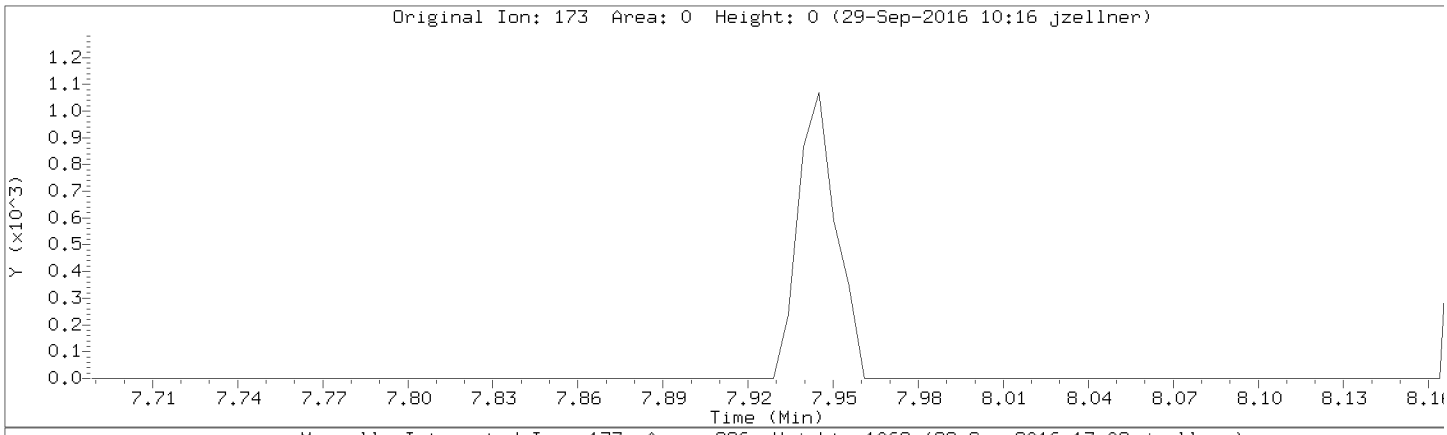


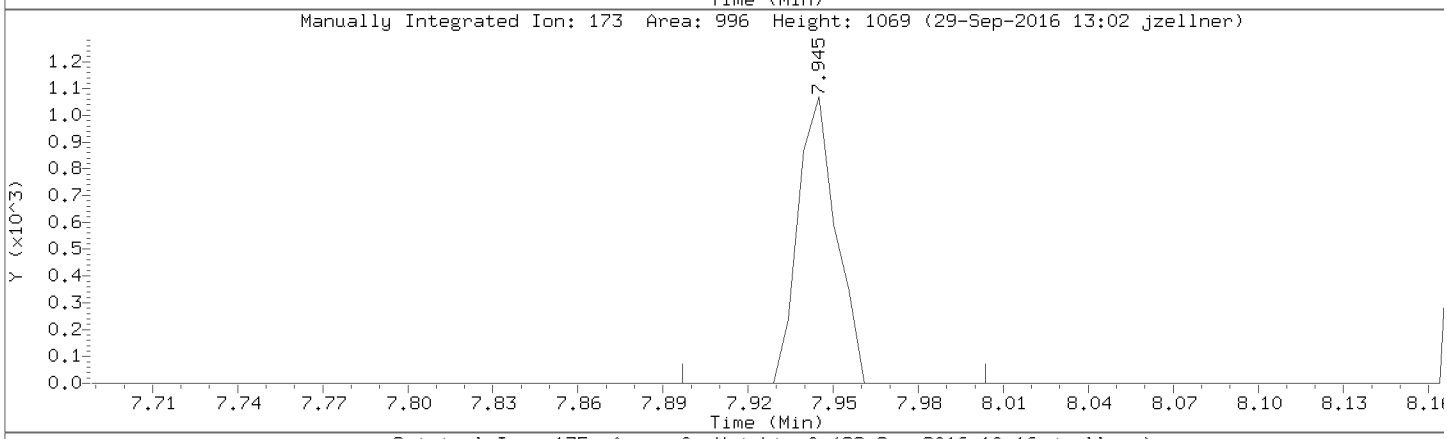
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

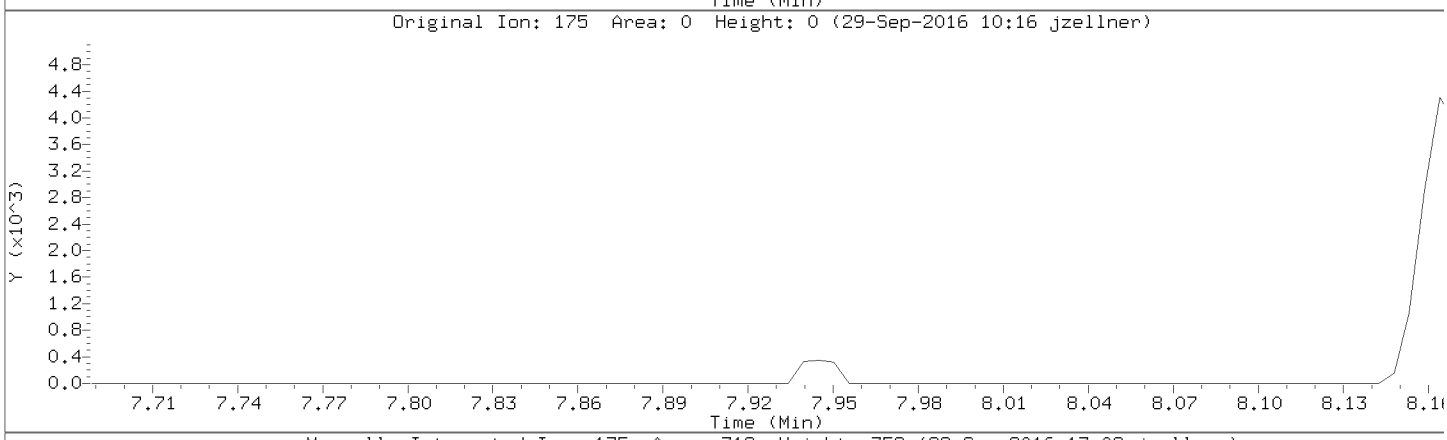


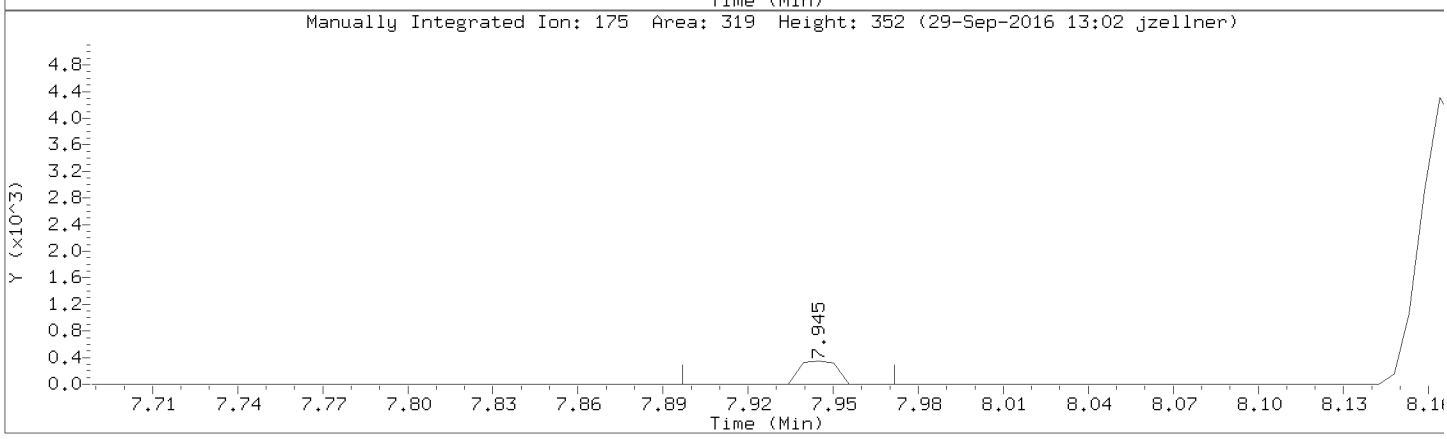
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2

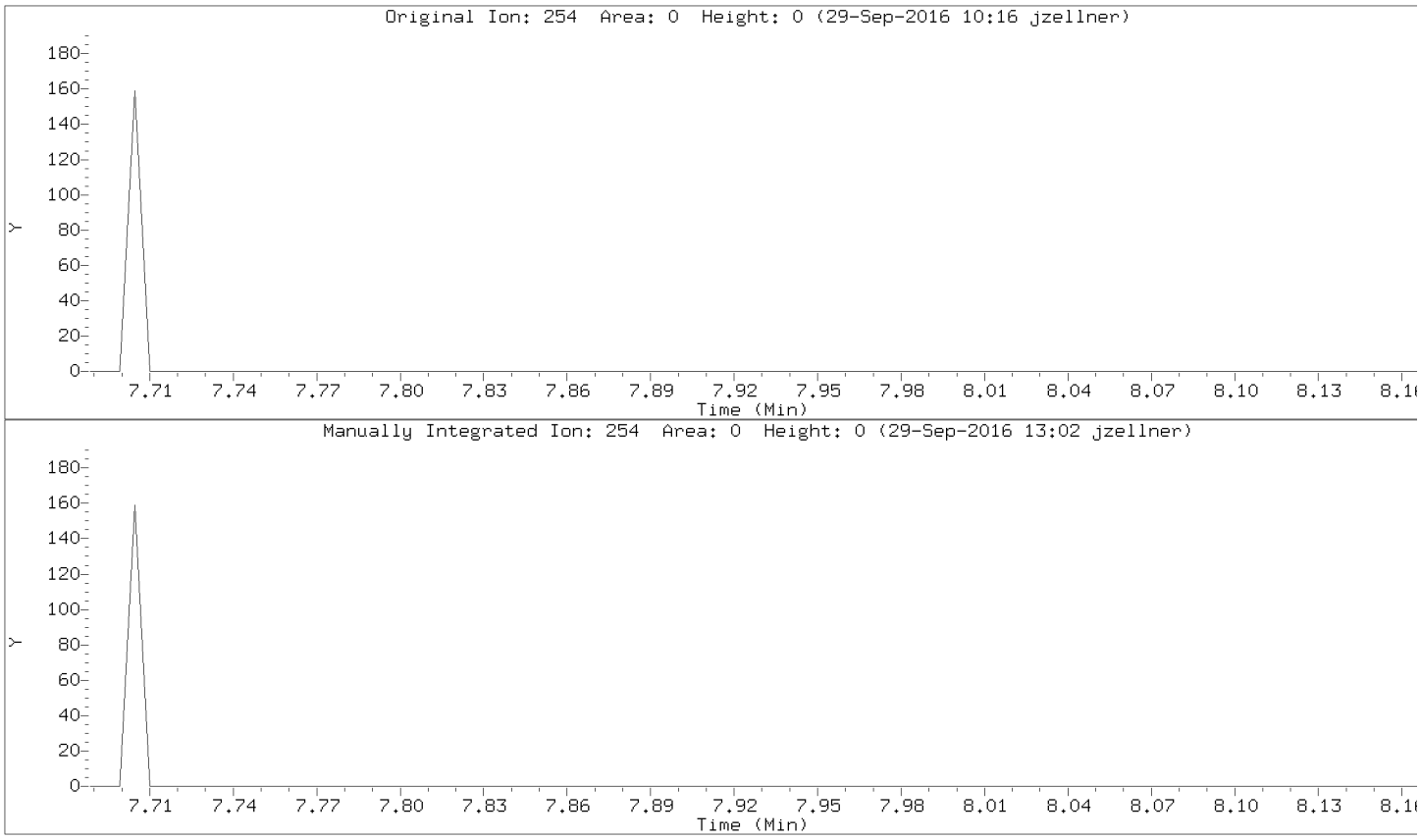






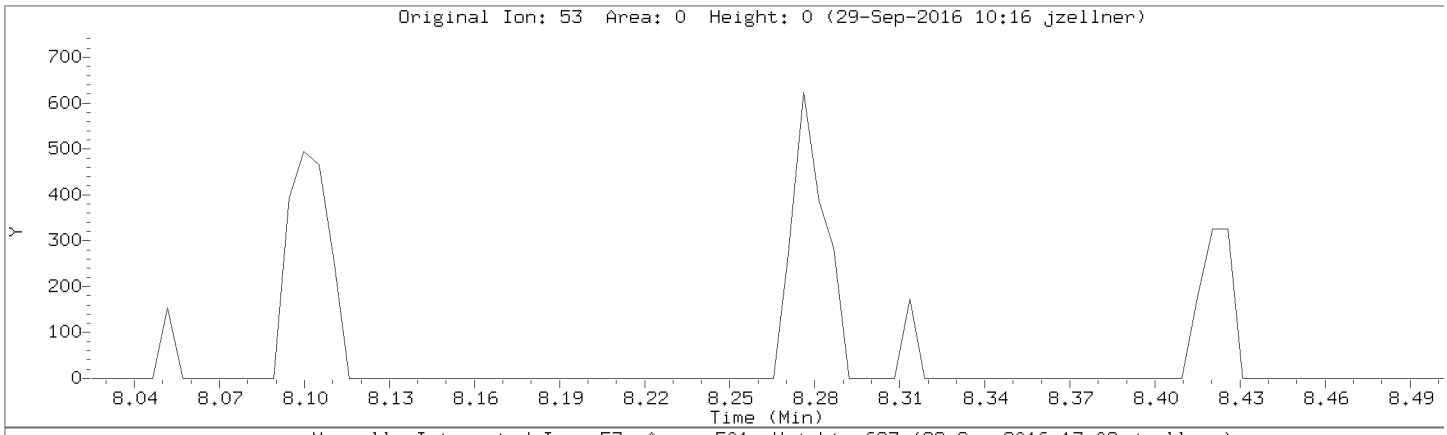


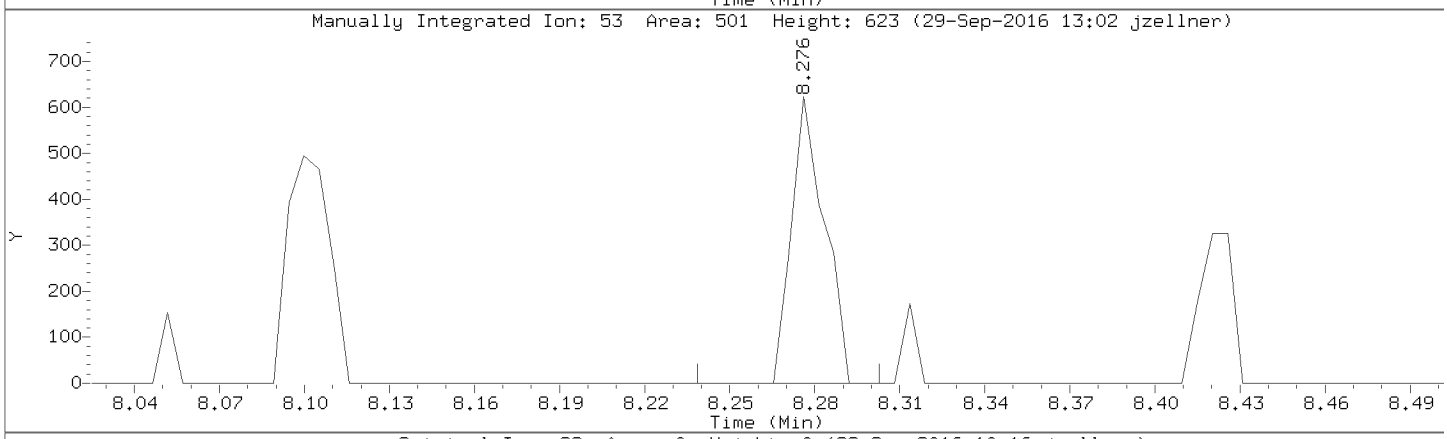
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

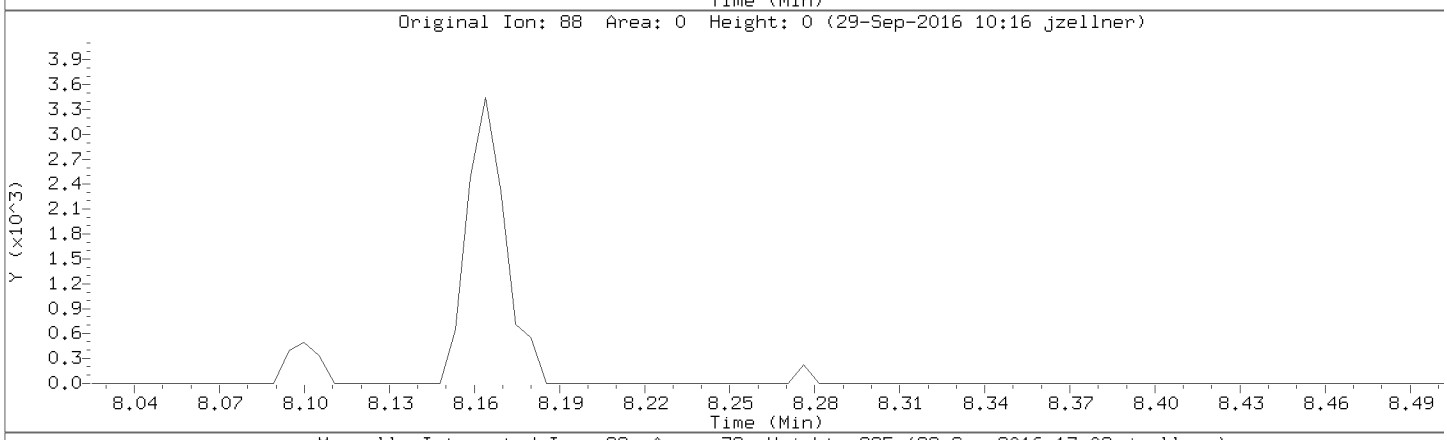


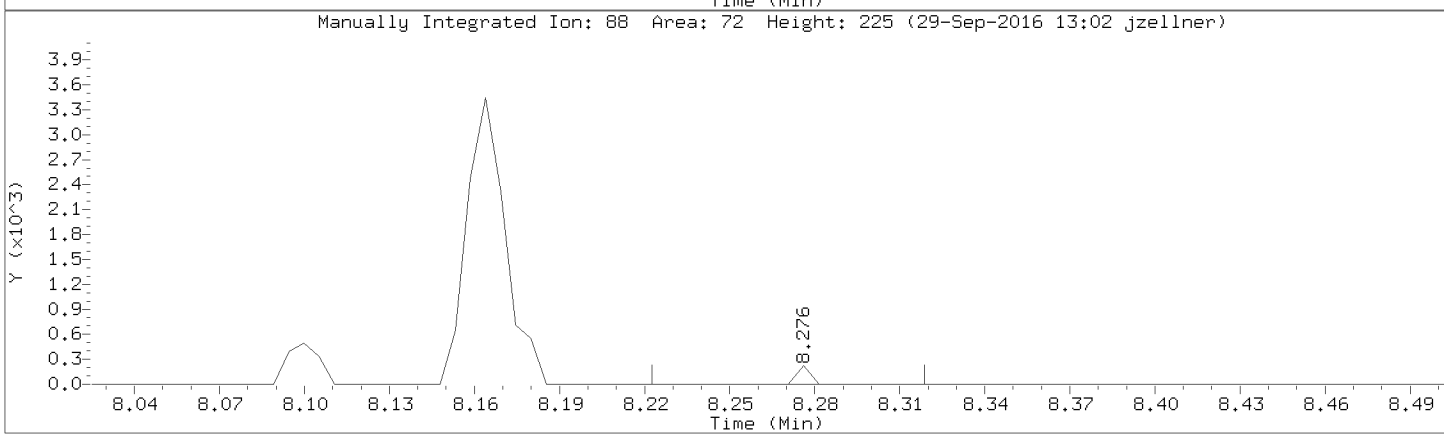
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: trans-1,4-Dichloro-2-butene Review Code: NI
CAS Number:

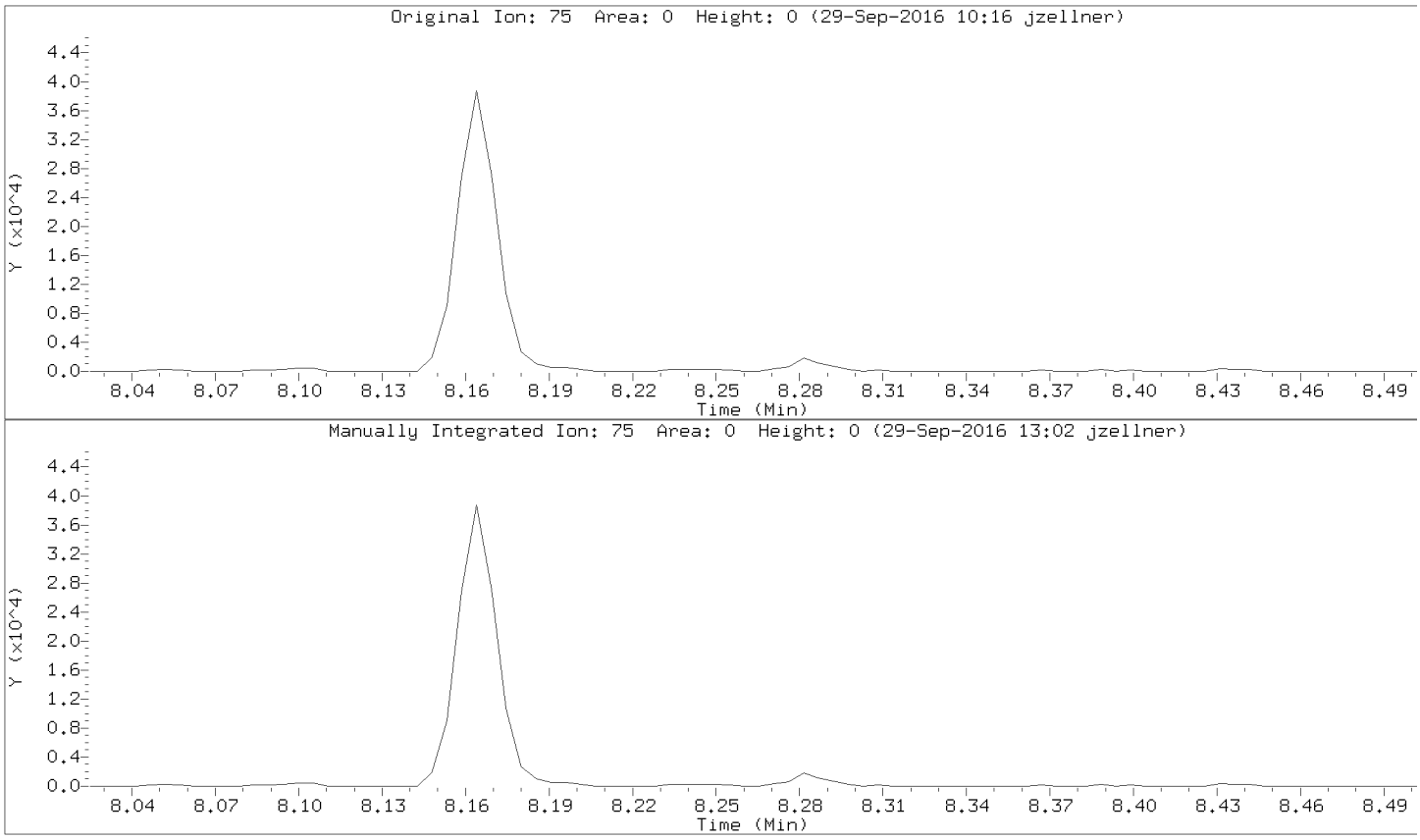






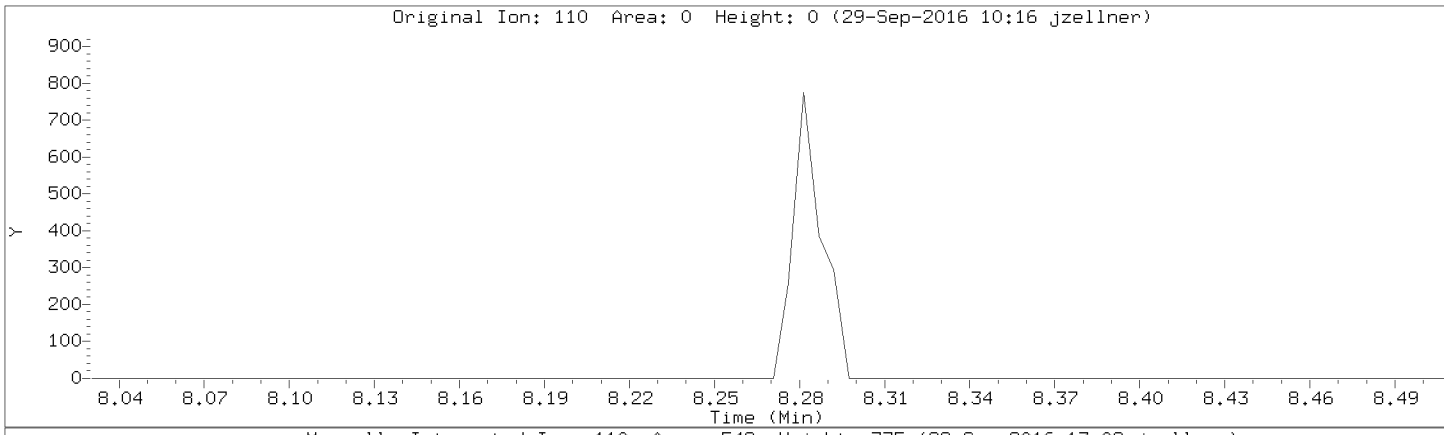


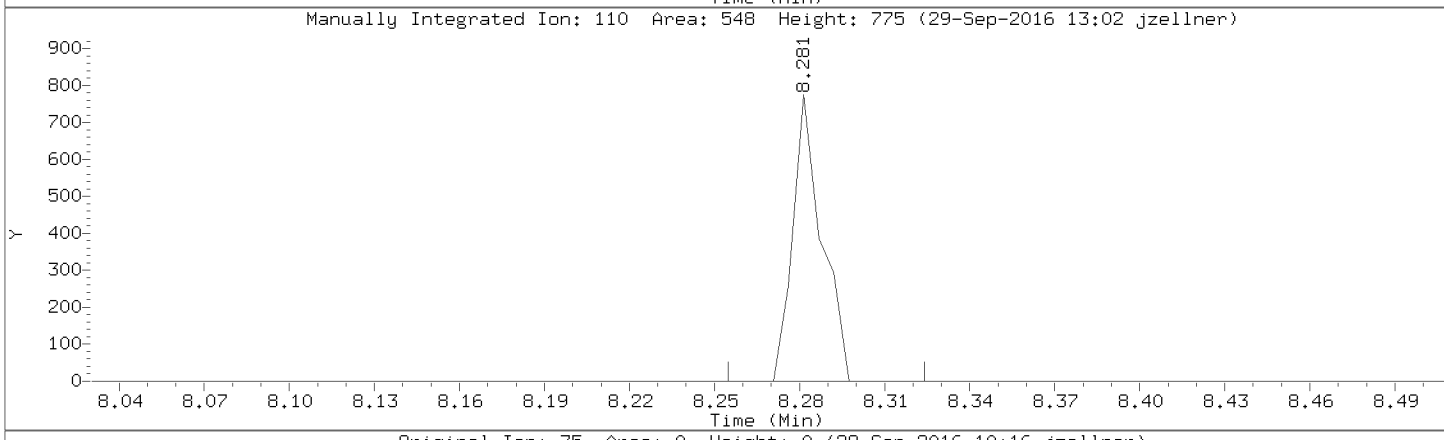
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

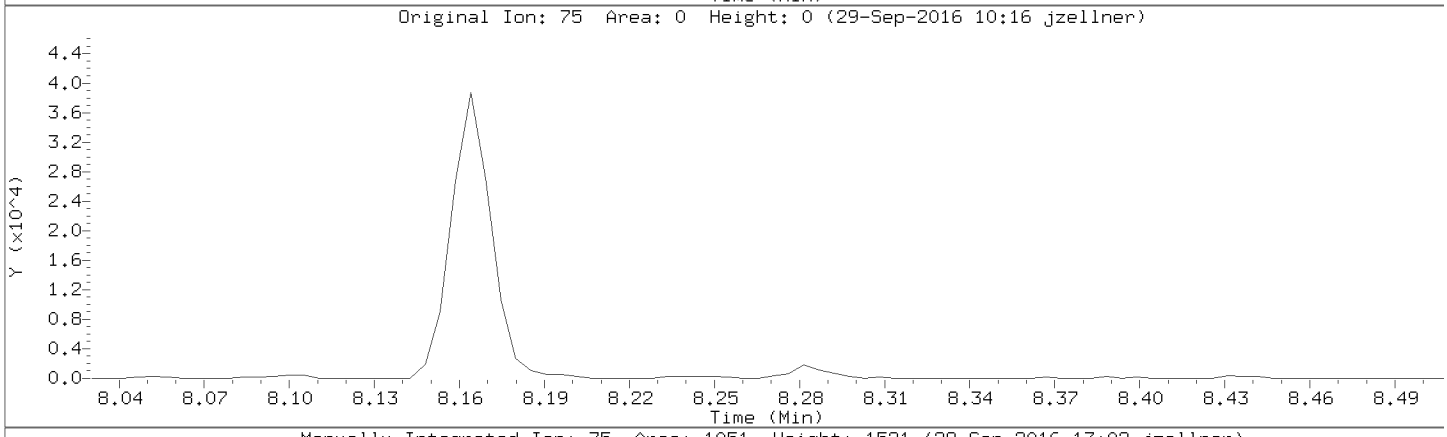


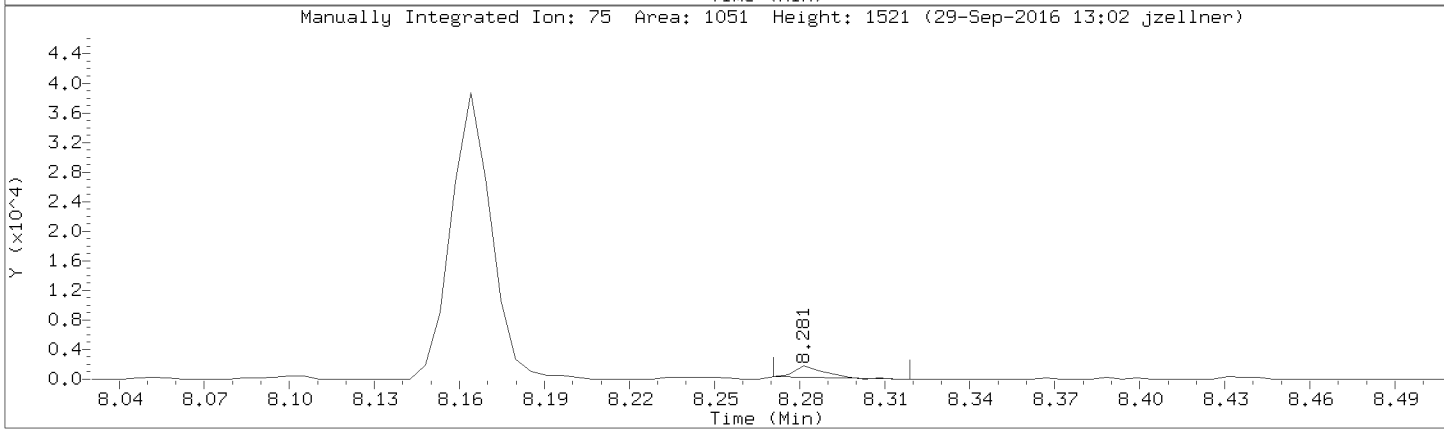
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a02cal.d
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,2,3-Trichloropropane Review Code: NI
CAS Number: 96-18-4









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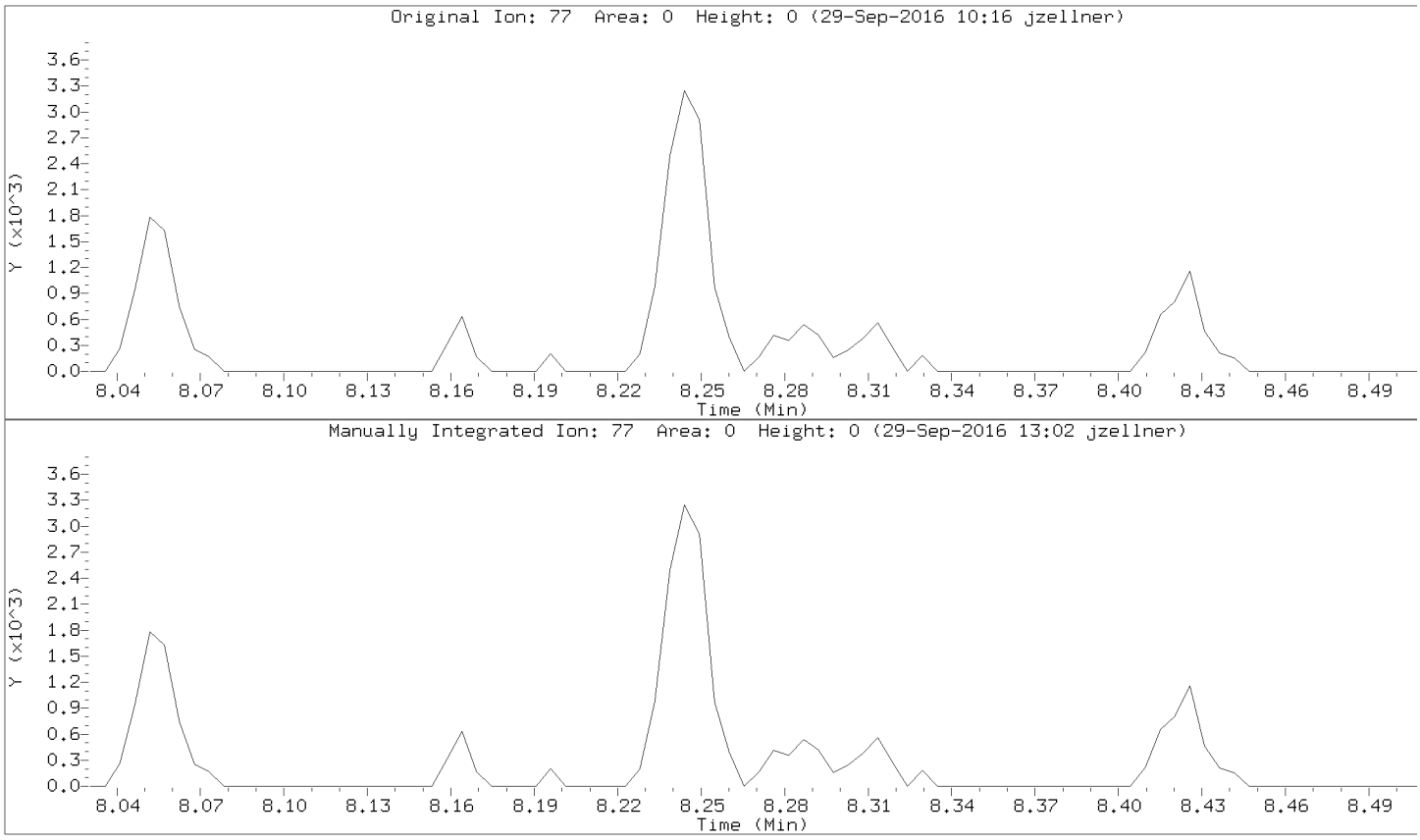
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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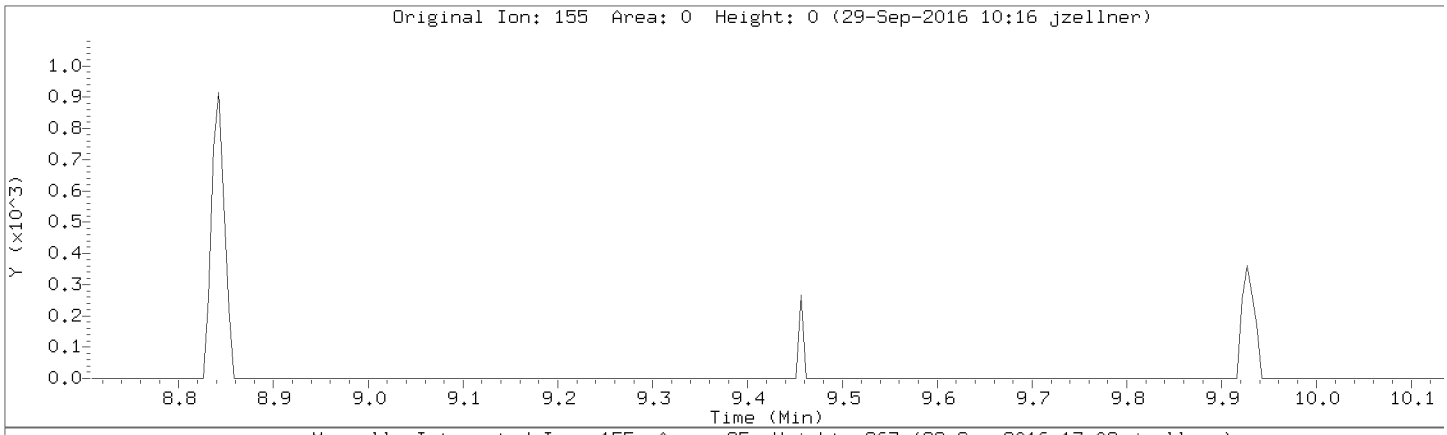
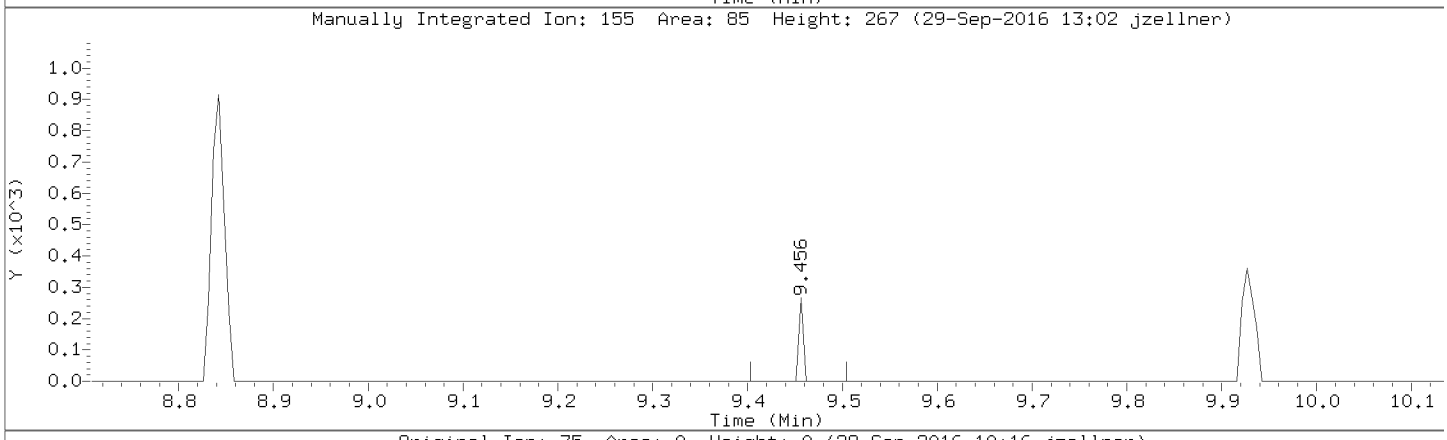
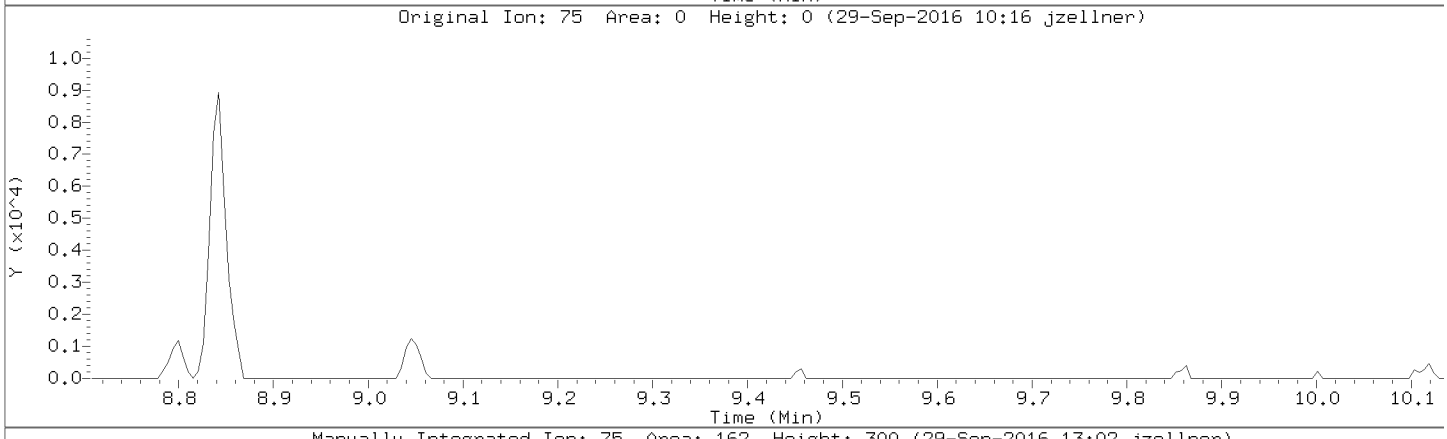
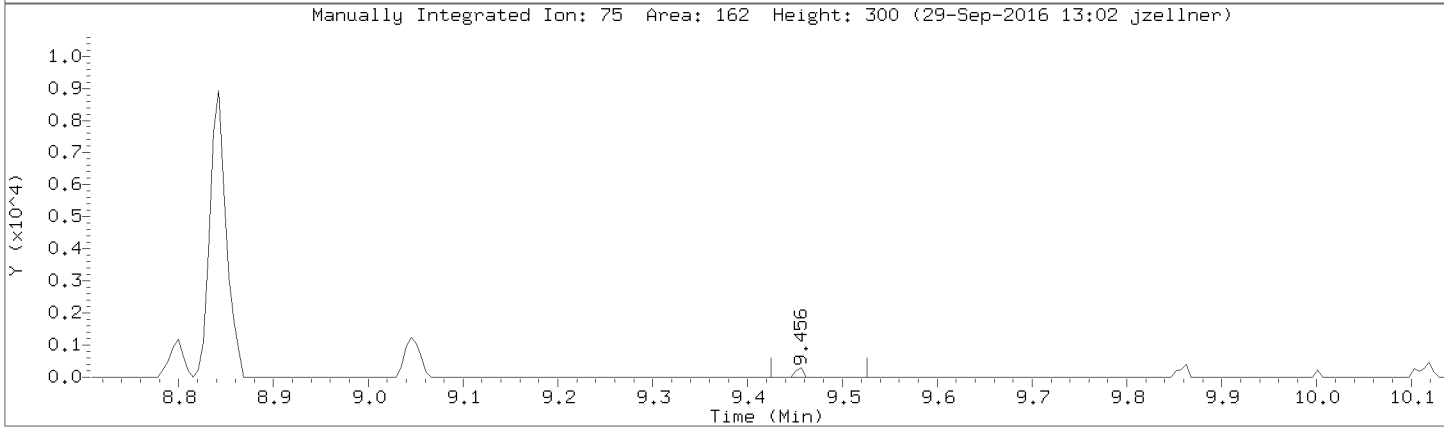
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,2-Dibromo-3-chloropropane Review Code: NI
CAS Number: 96-12-8









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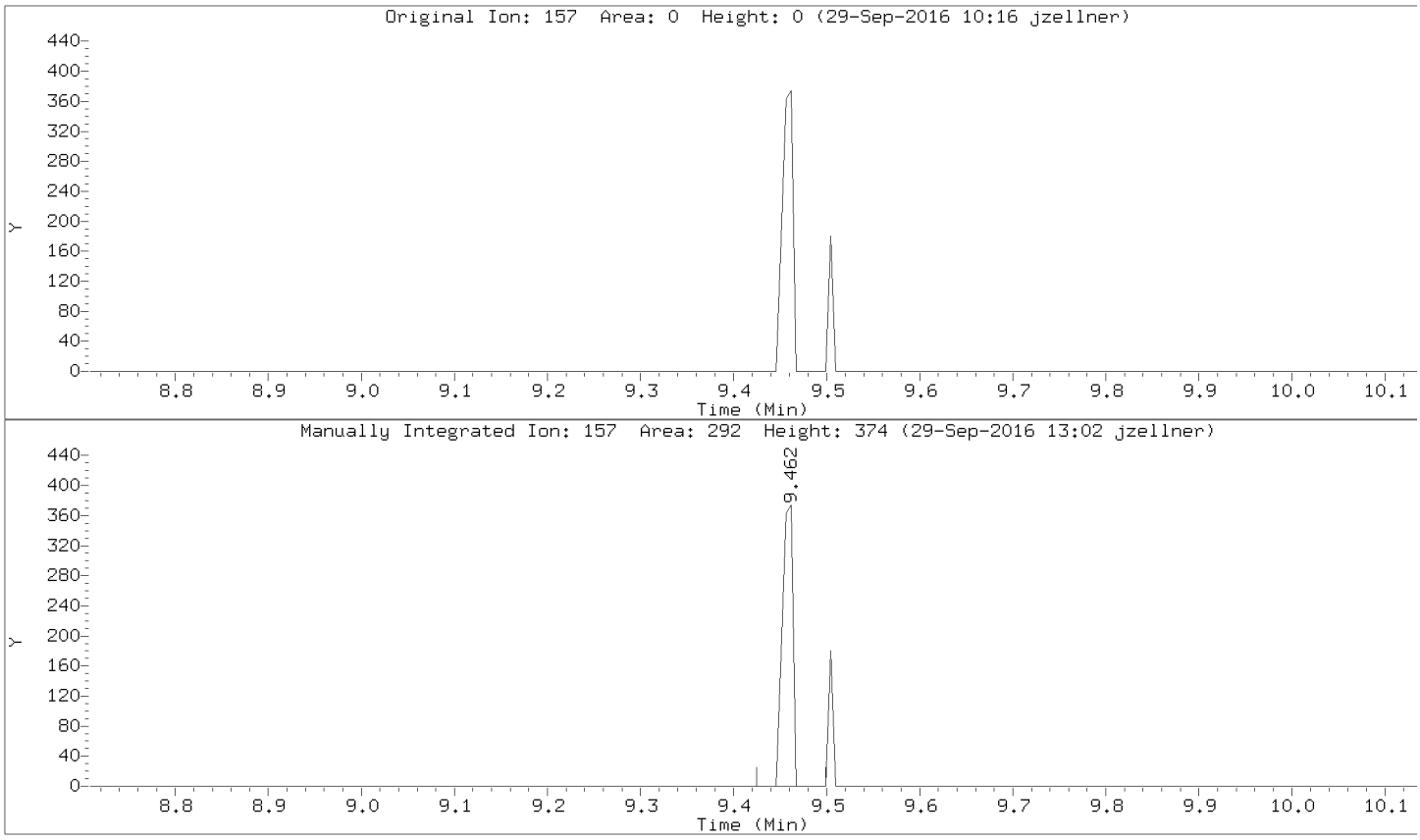
Lab Sample ID: 8260-CAL2,131977:0



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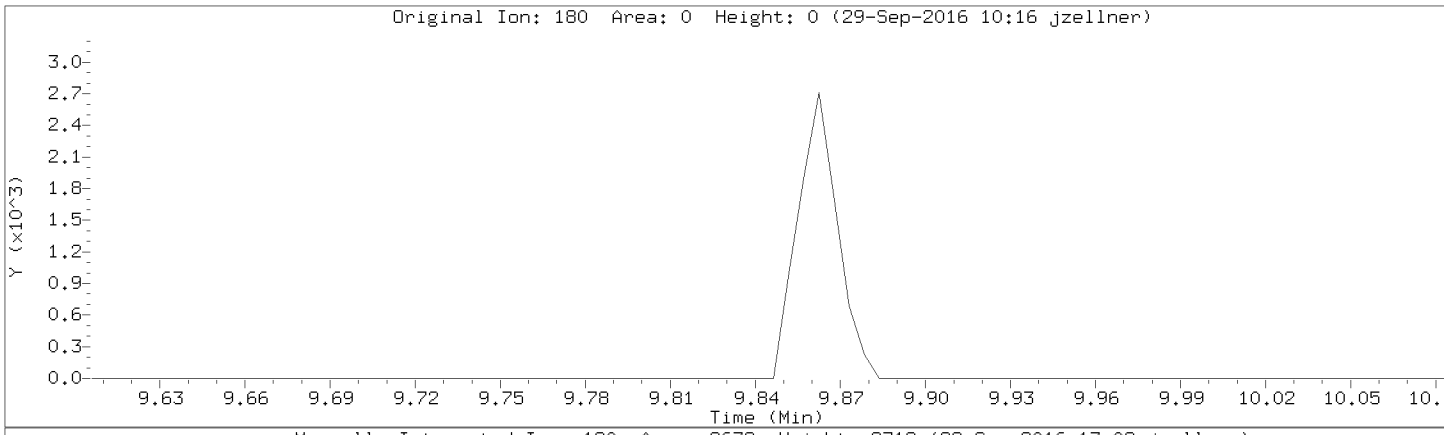
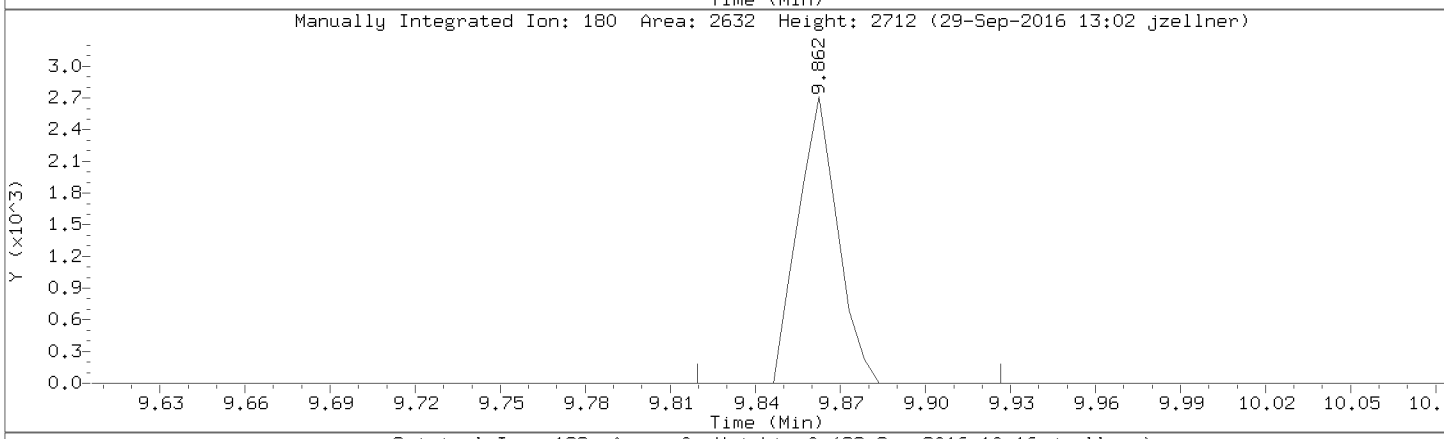
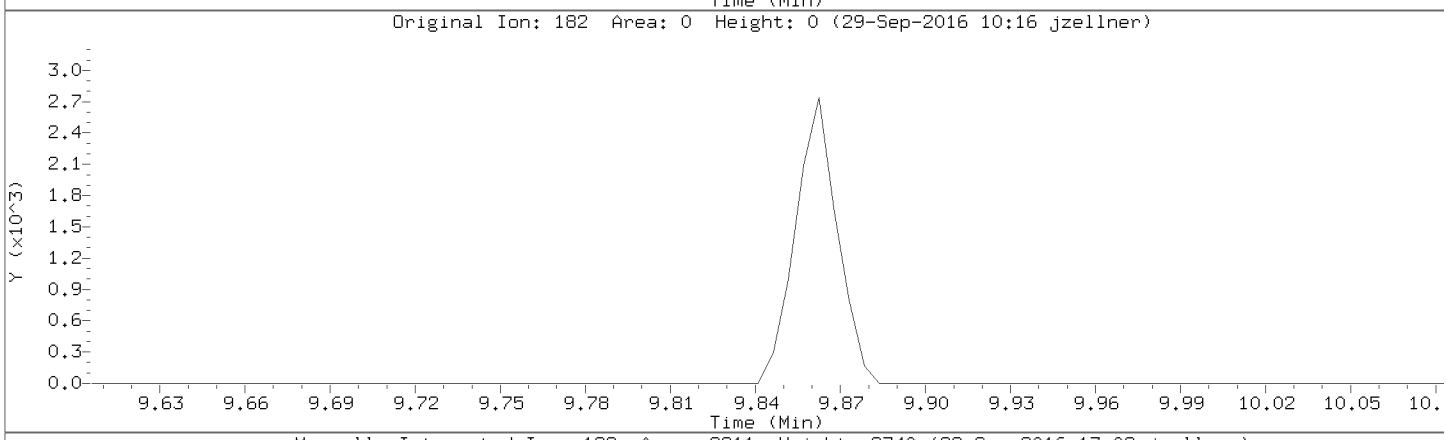
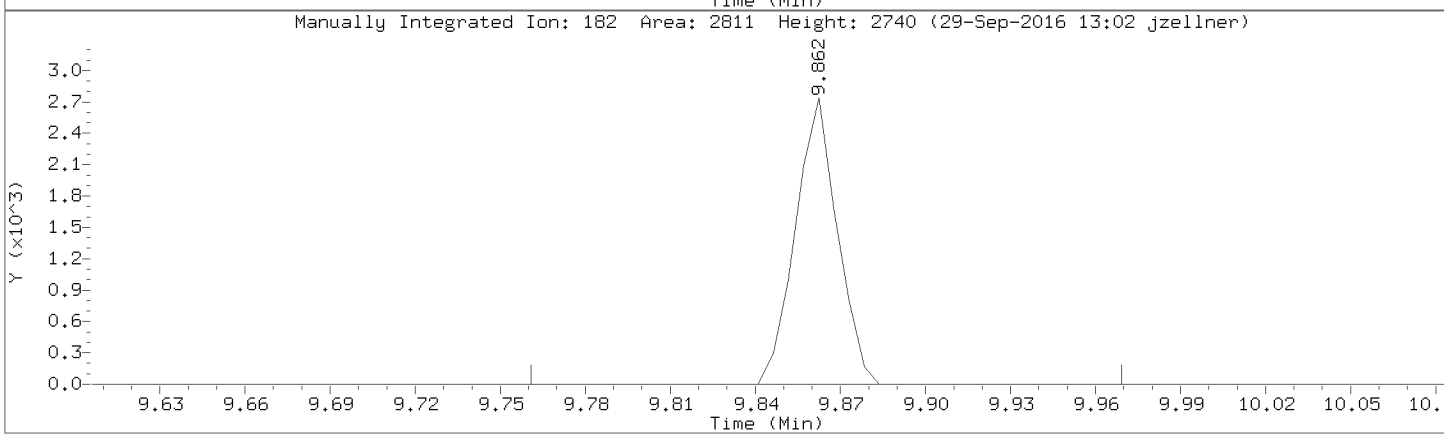
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,2,4-Trichlorobenzene Review Code: NI
CAS Number: 120-82-1









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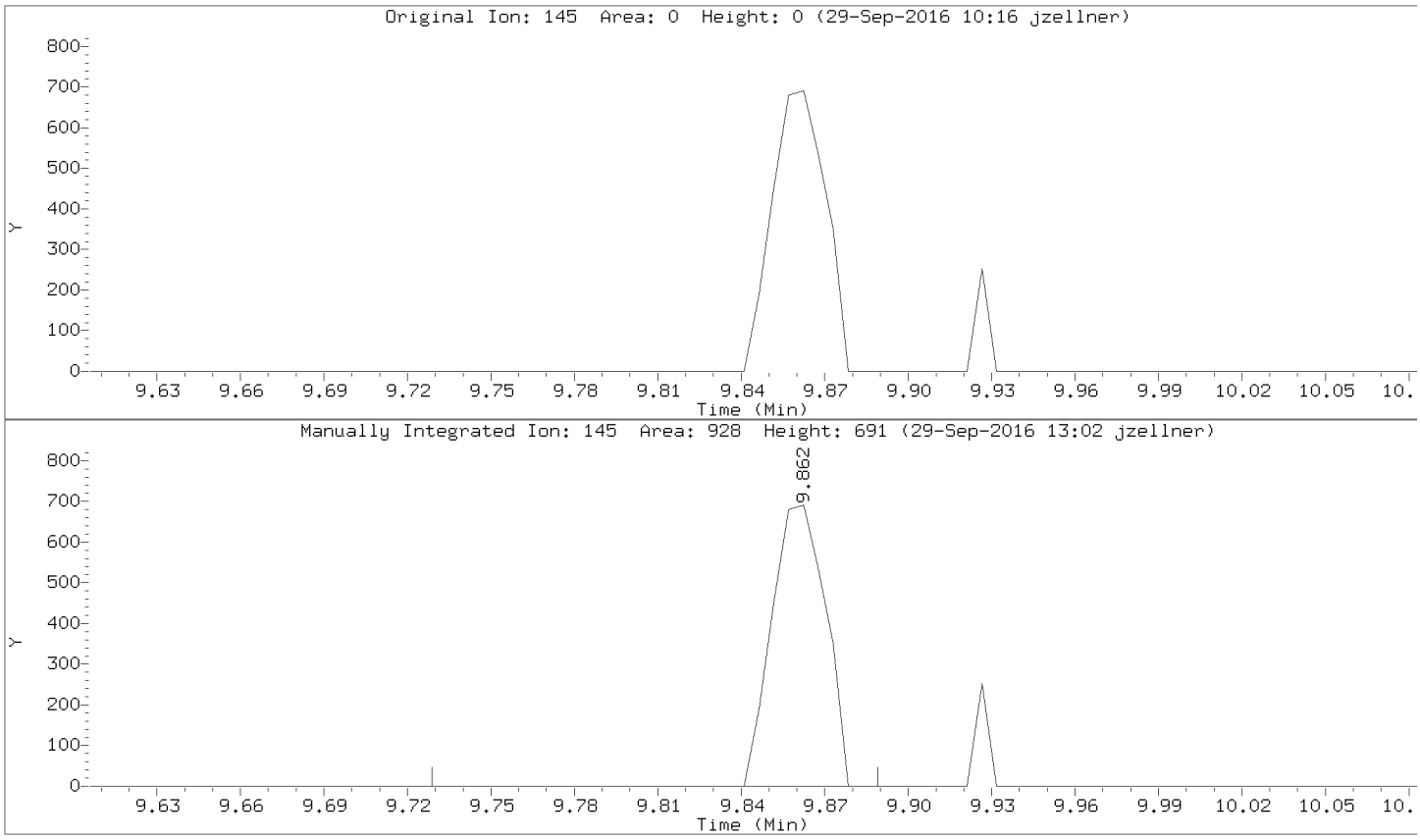
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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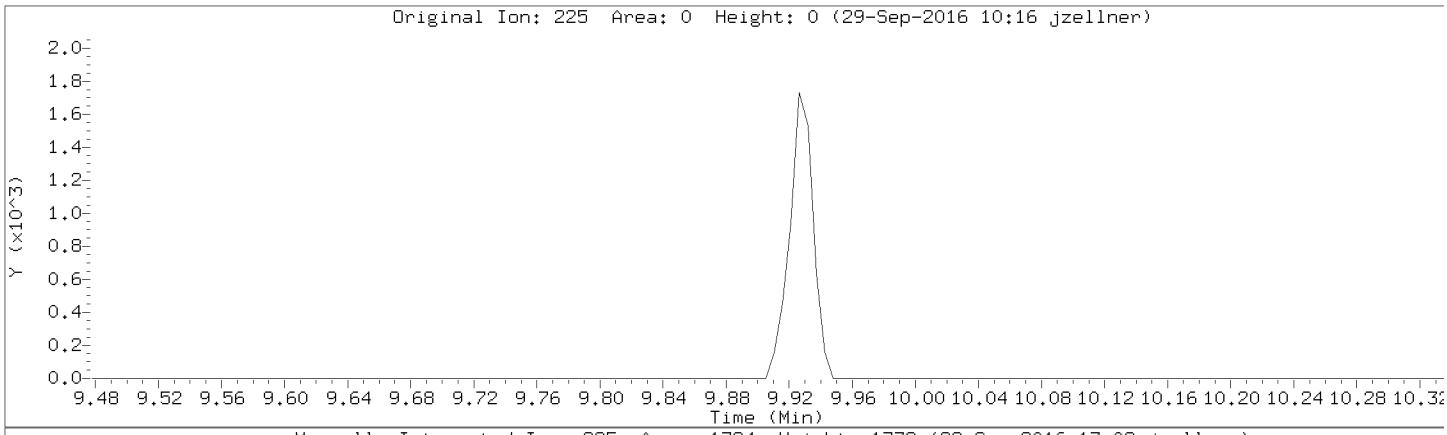
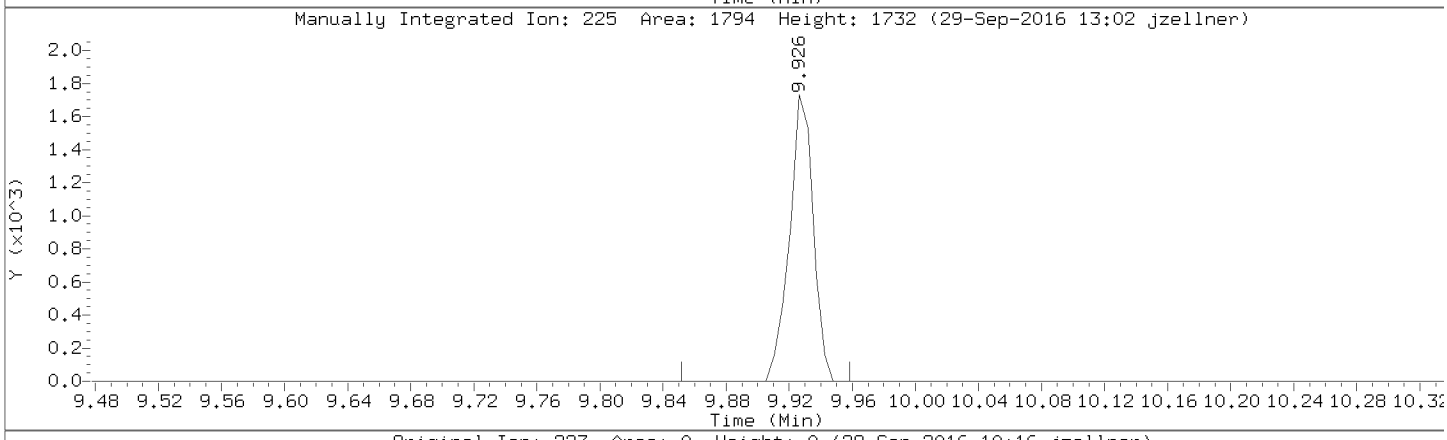
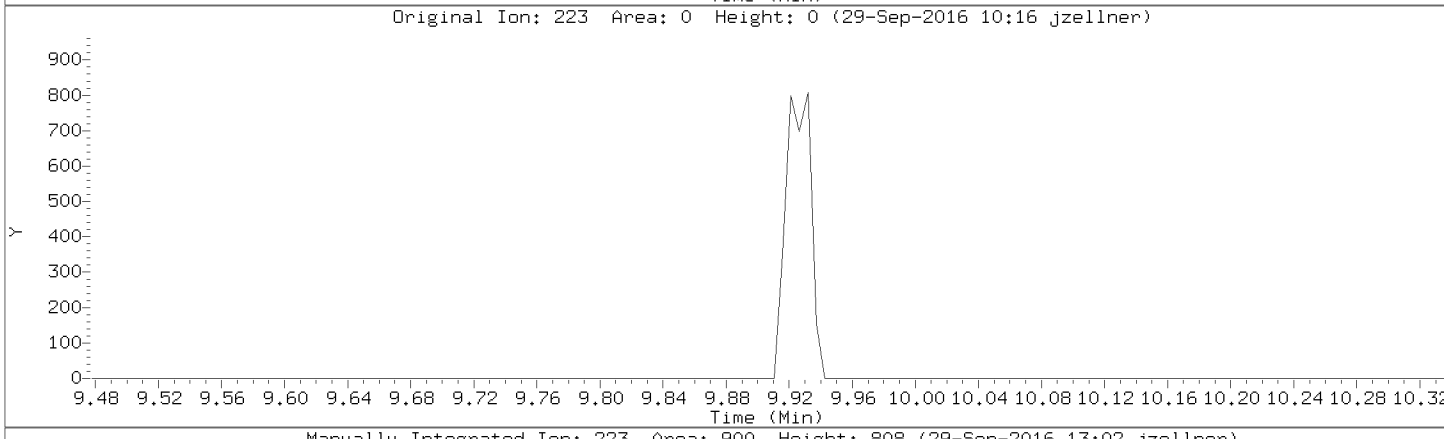
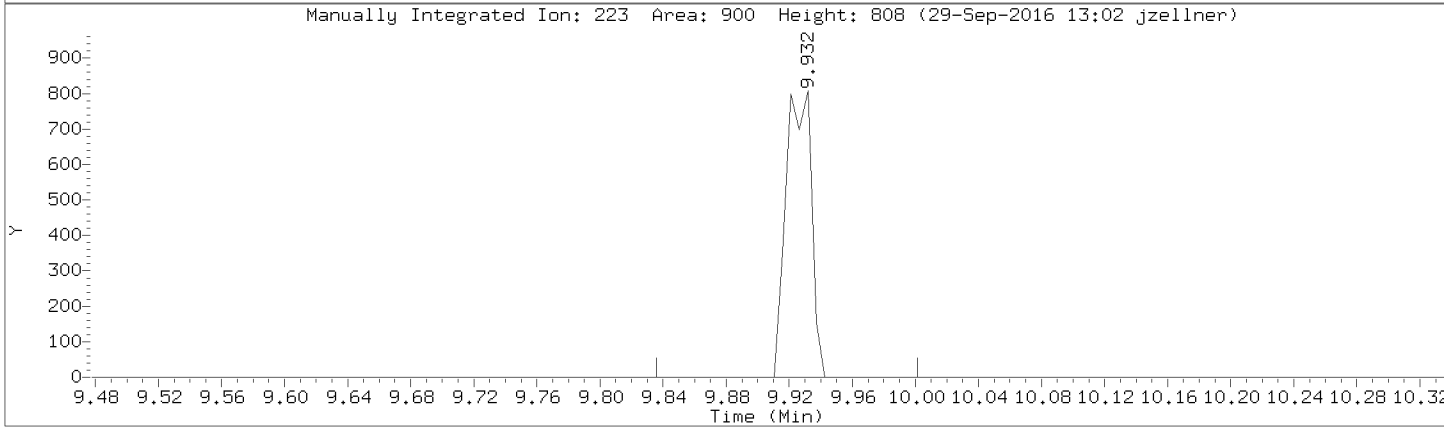
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Hexachlorobutadiene Review Code: NI
CAS Number: 87-68-3









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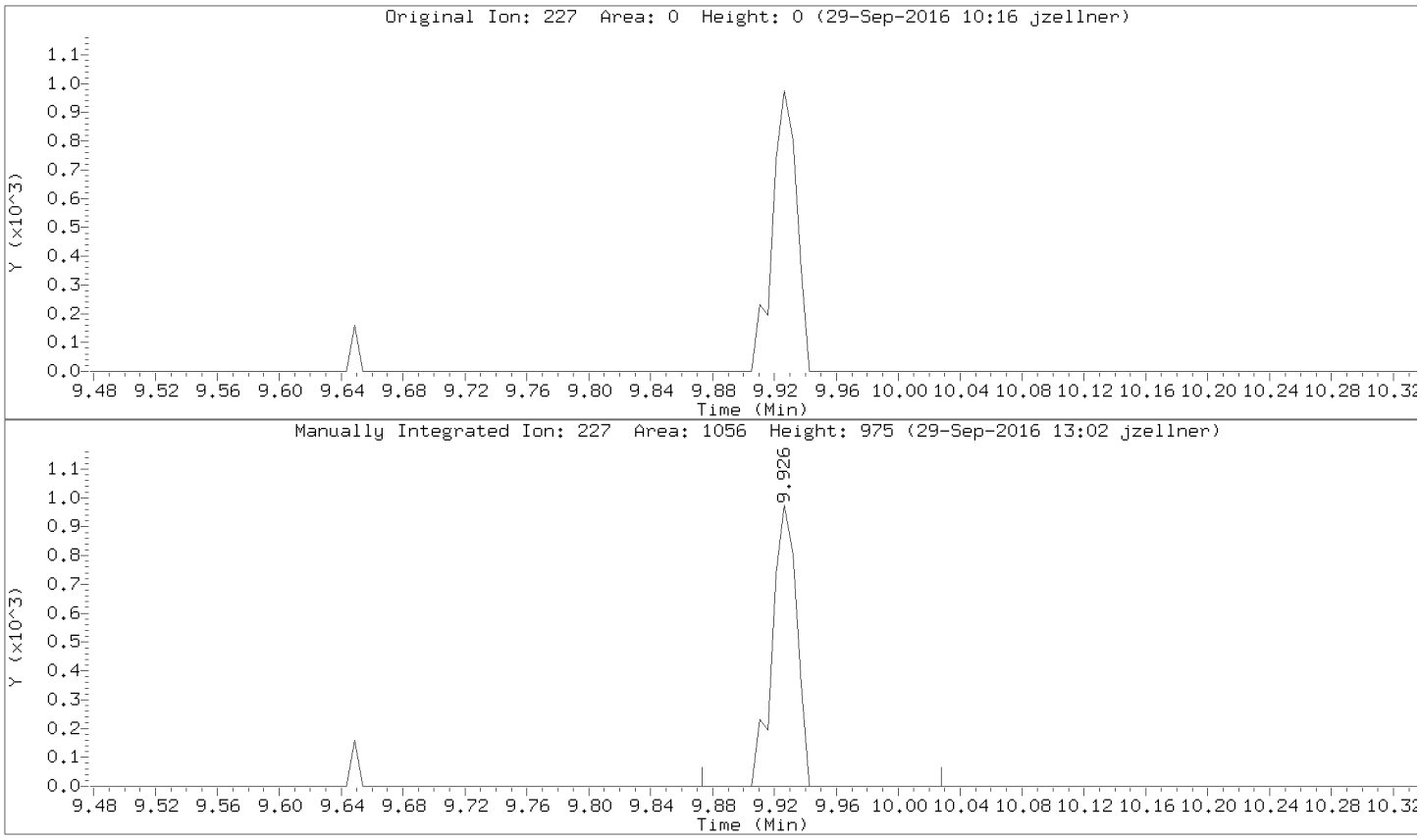
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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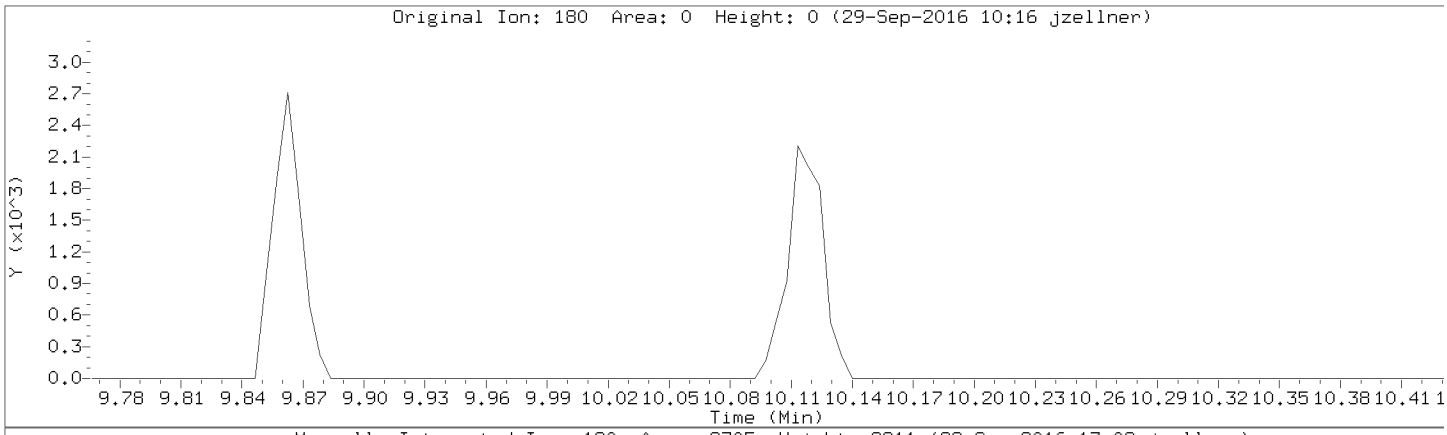
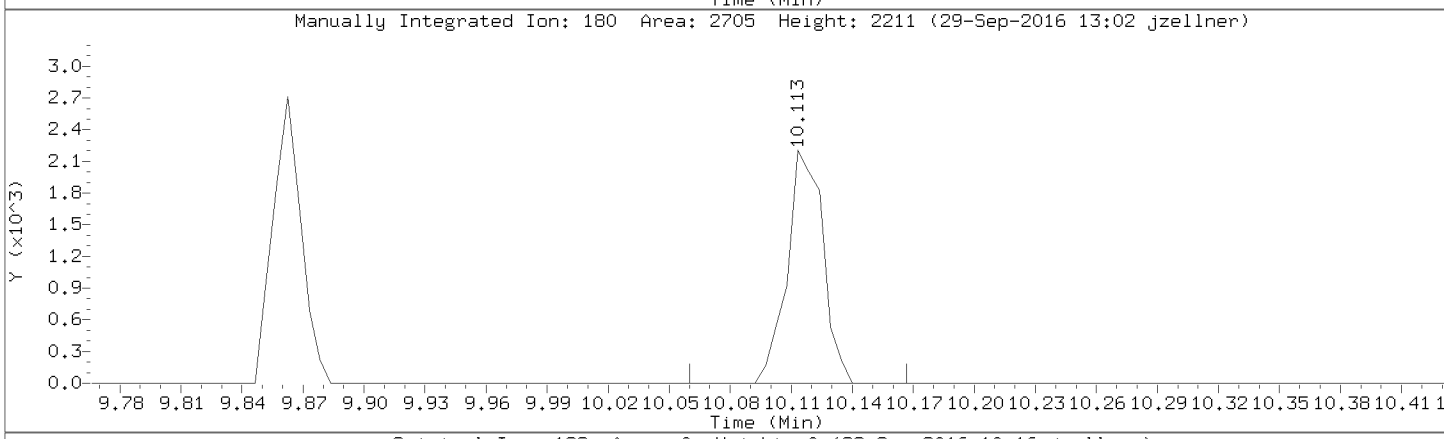
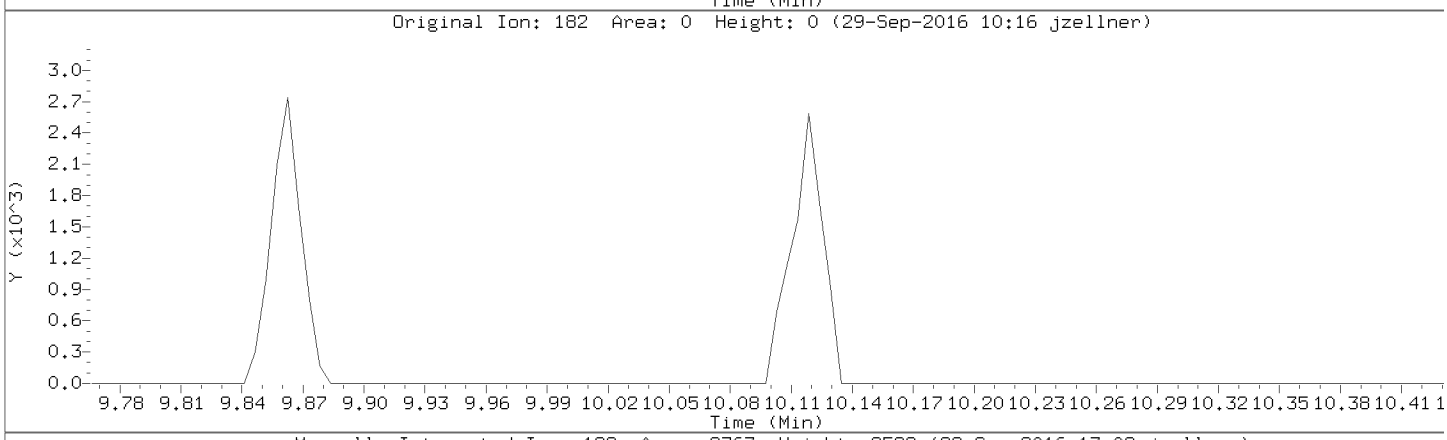
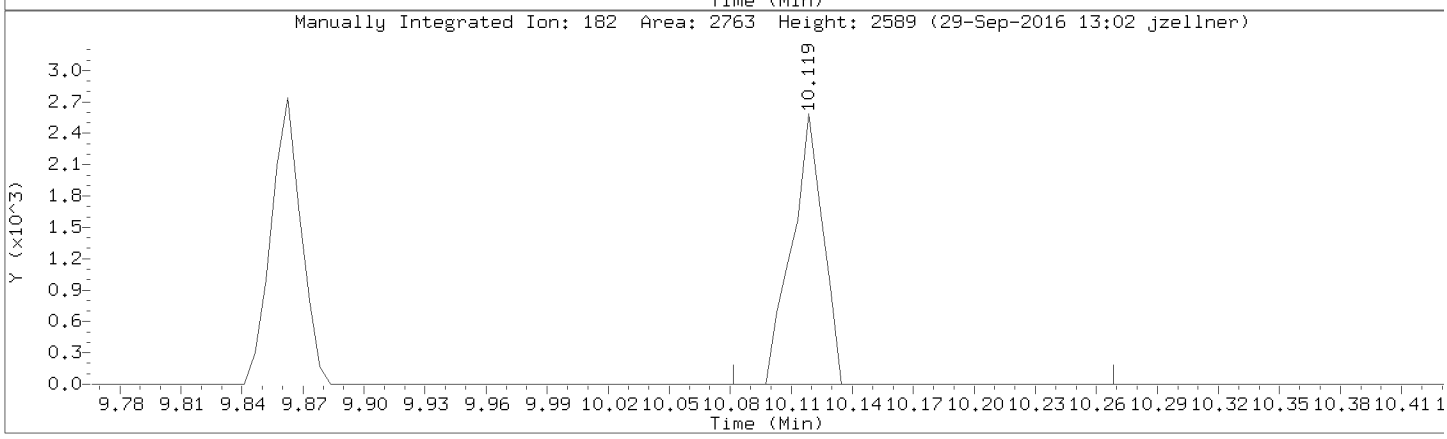
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: 1,2,3-Trichlorobenzene Review Code: NI
CAS Number: 87-61-6









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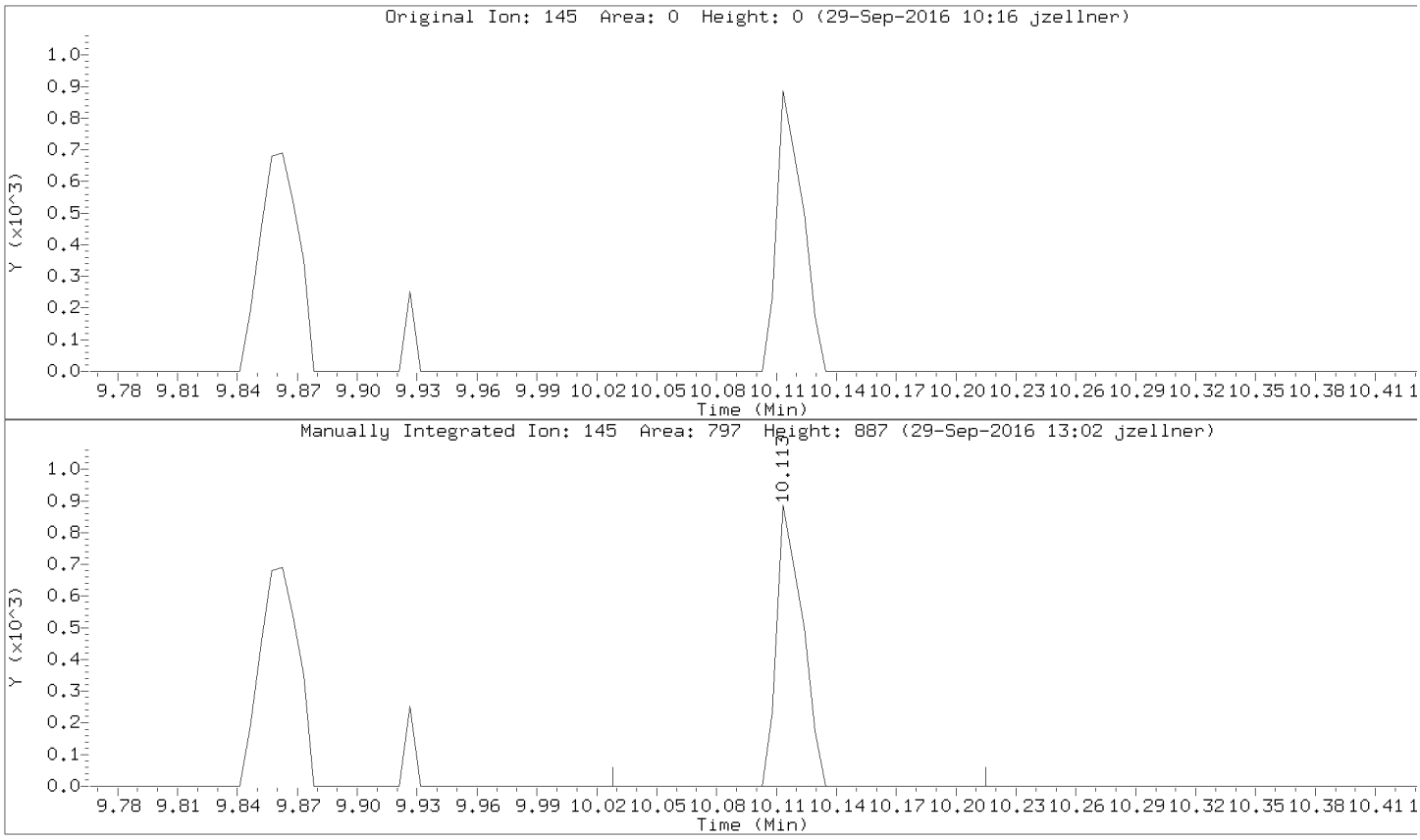
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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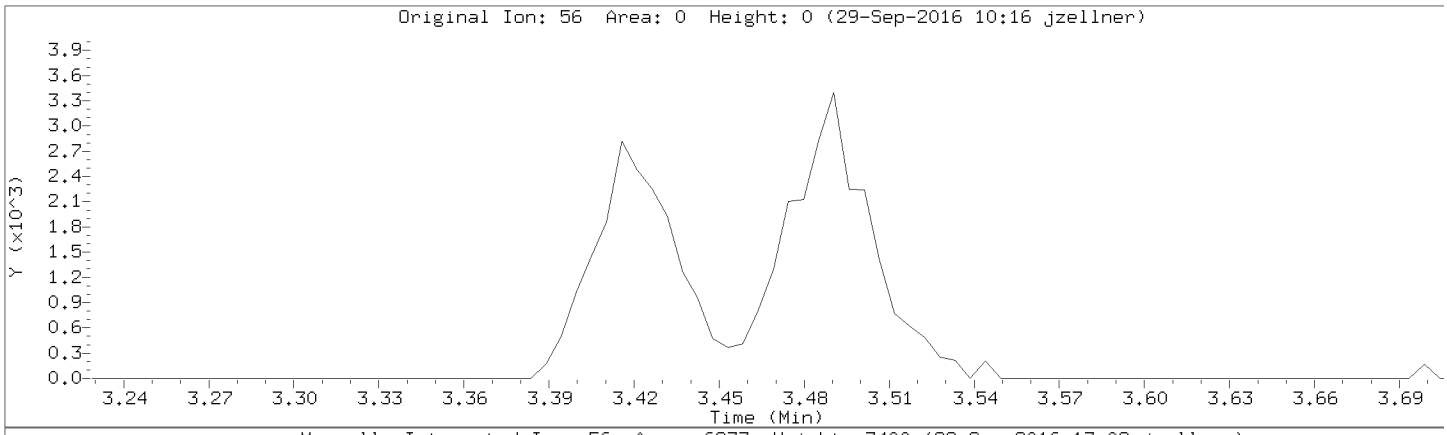
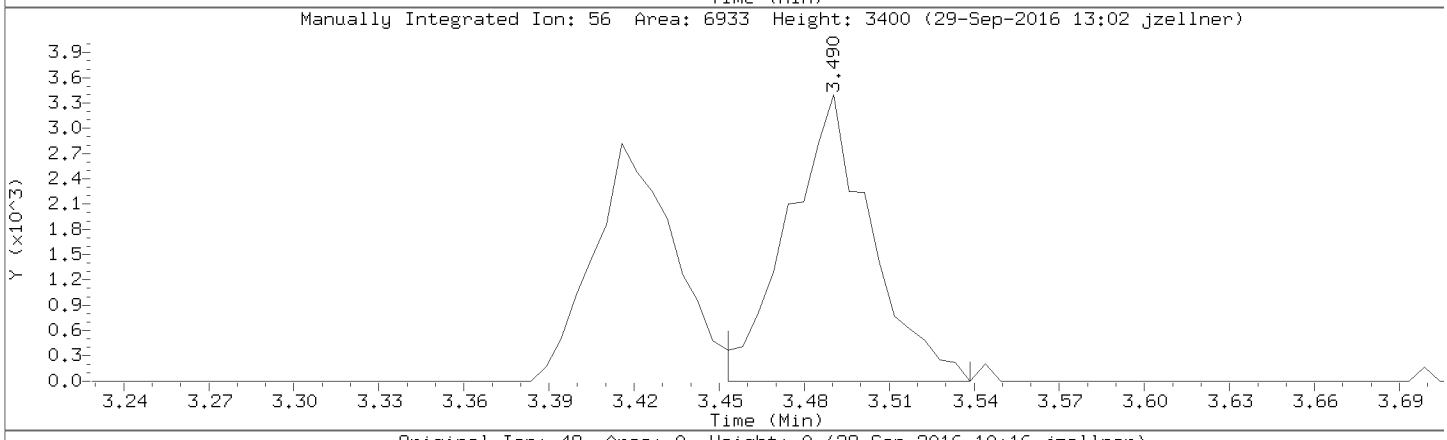
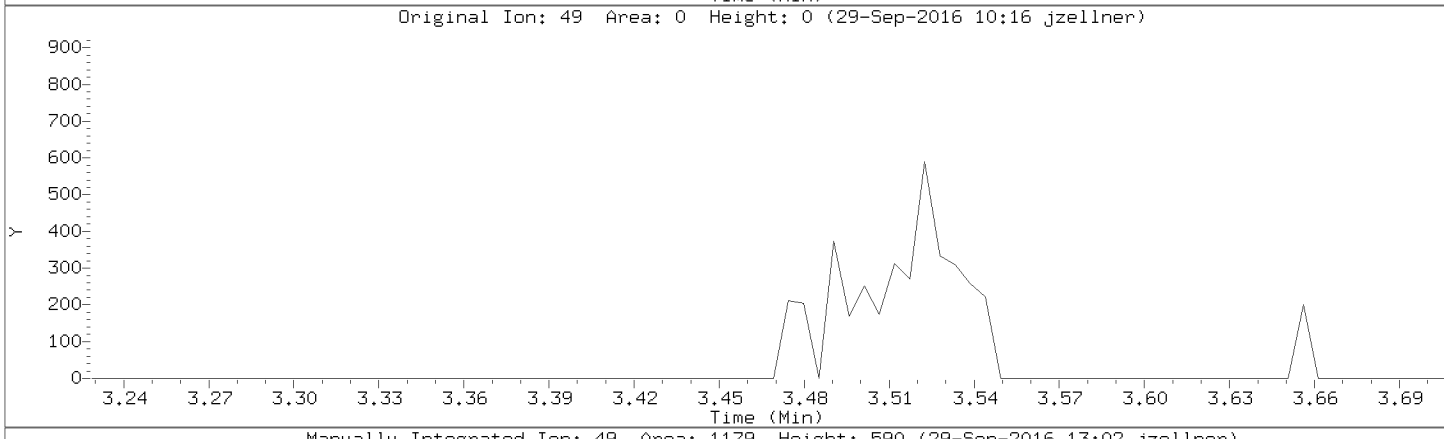
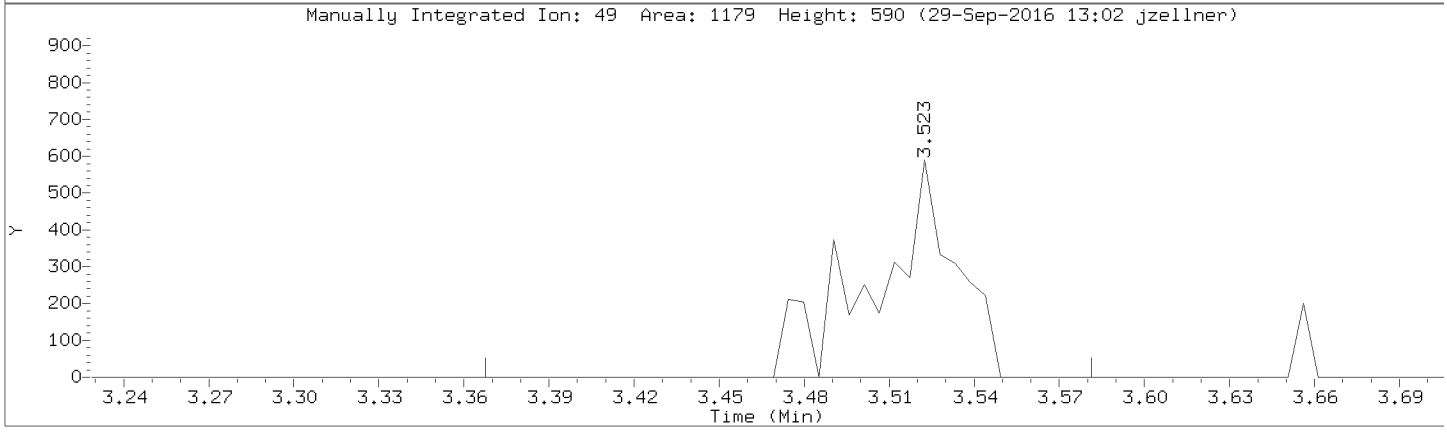
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: n-Butyl chloride Review Code: NI
CAS Number: 109-69-3









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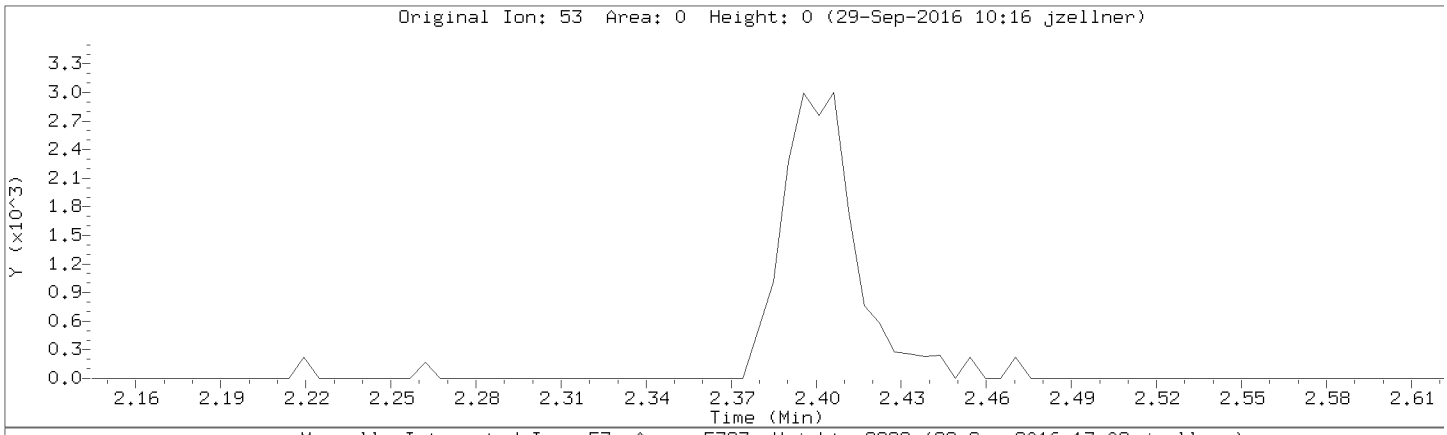
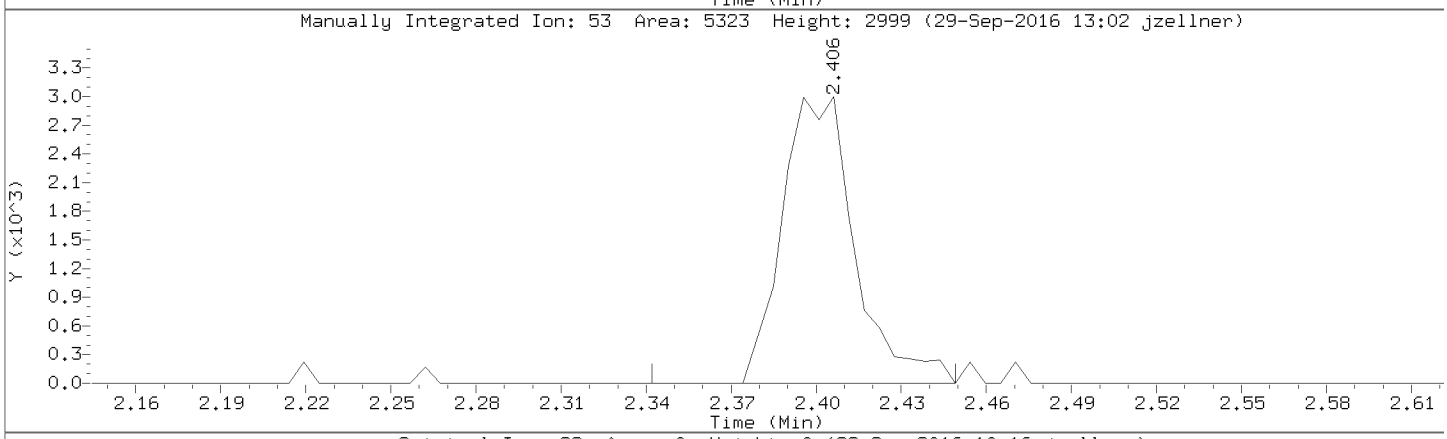
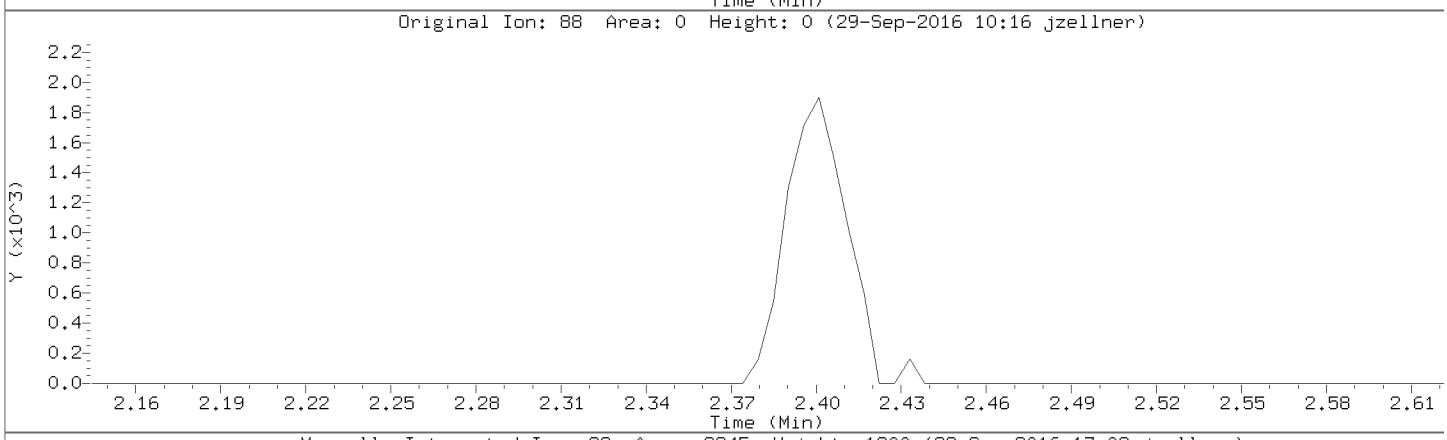
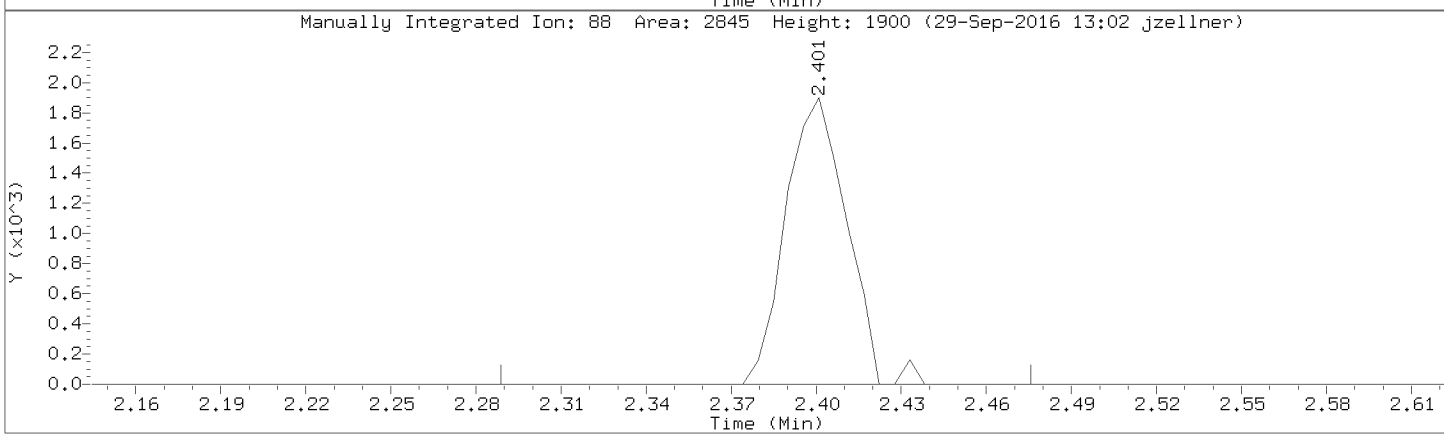
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Chloroprene Review Code: NI
CAS Number: 126-99-8









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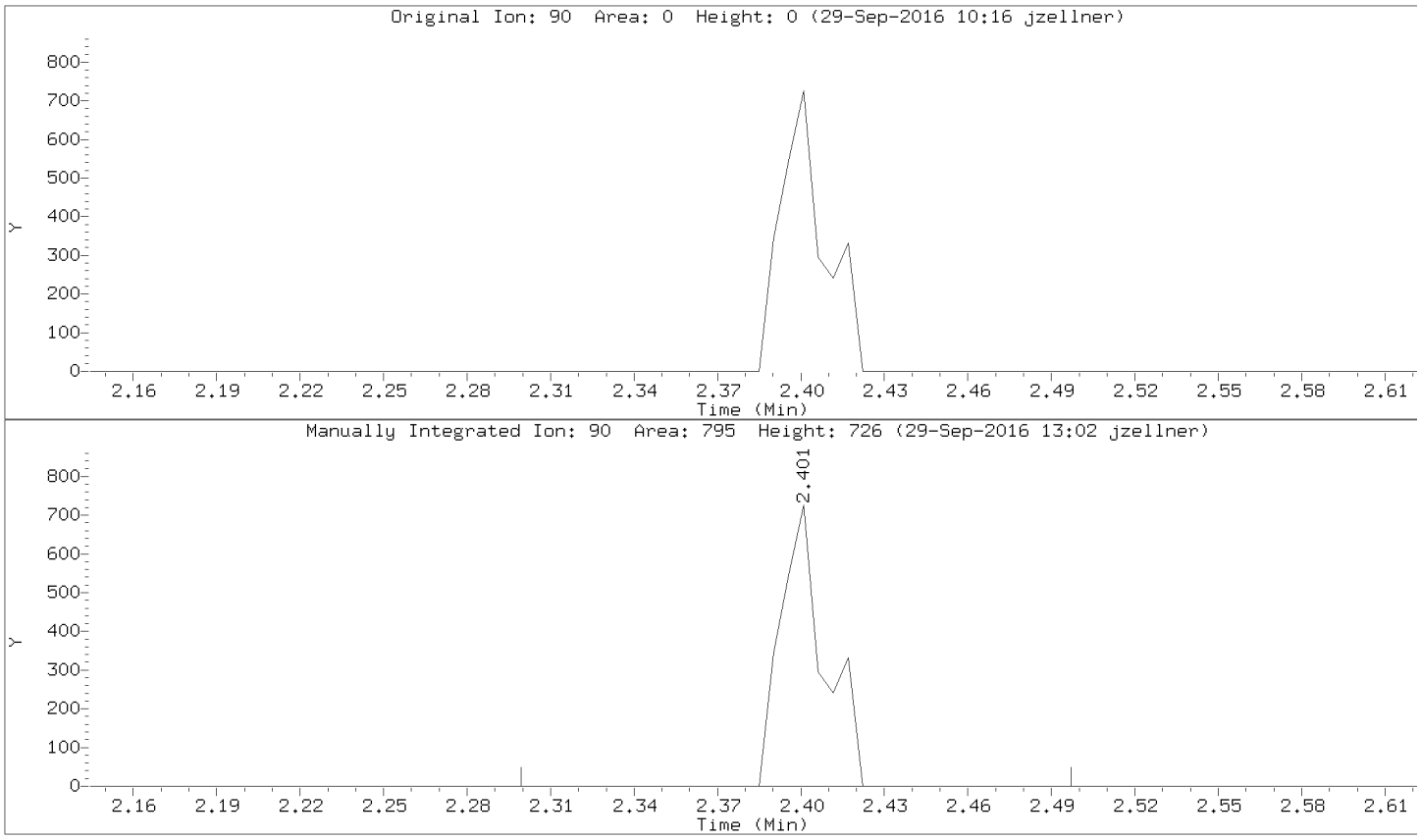
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



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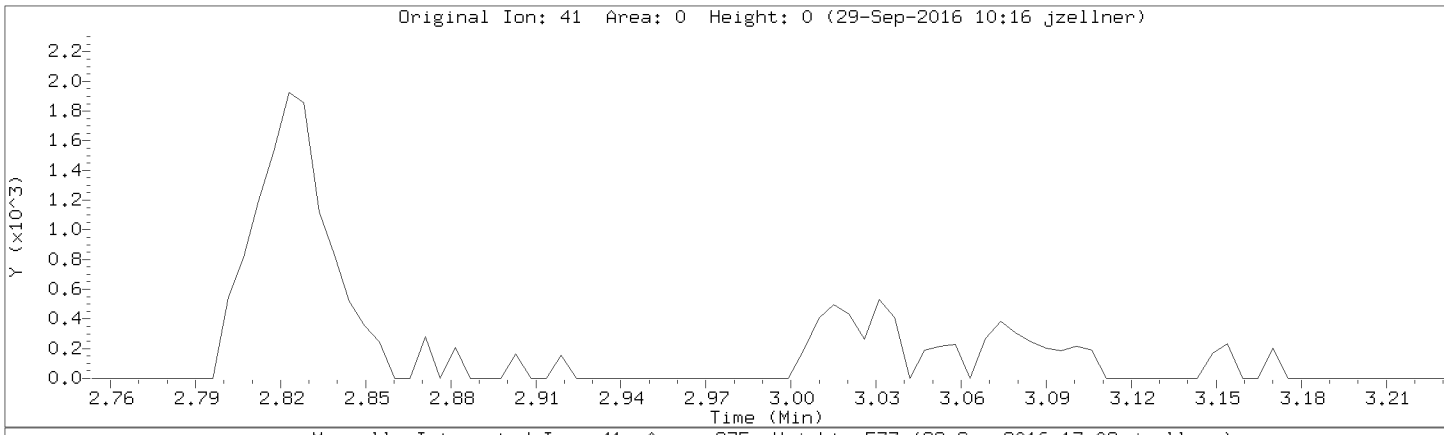
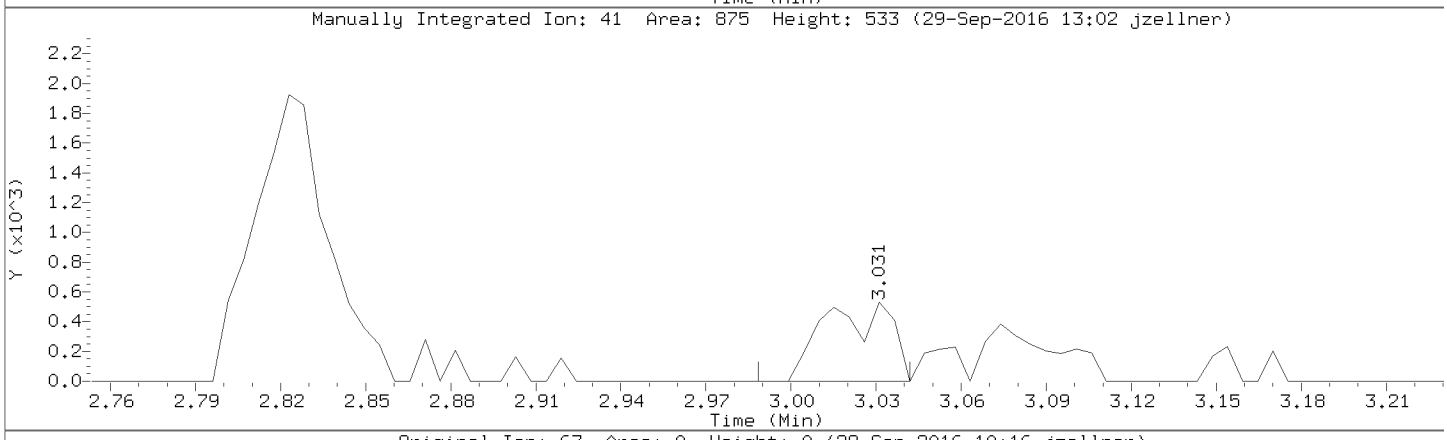
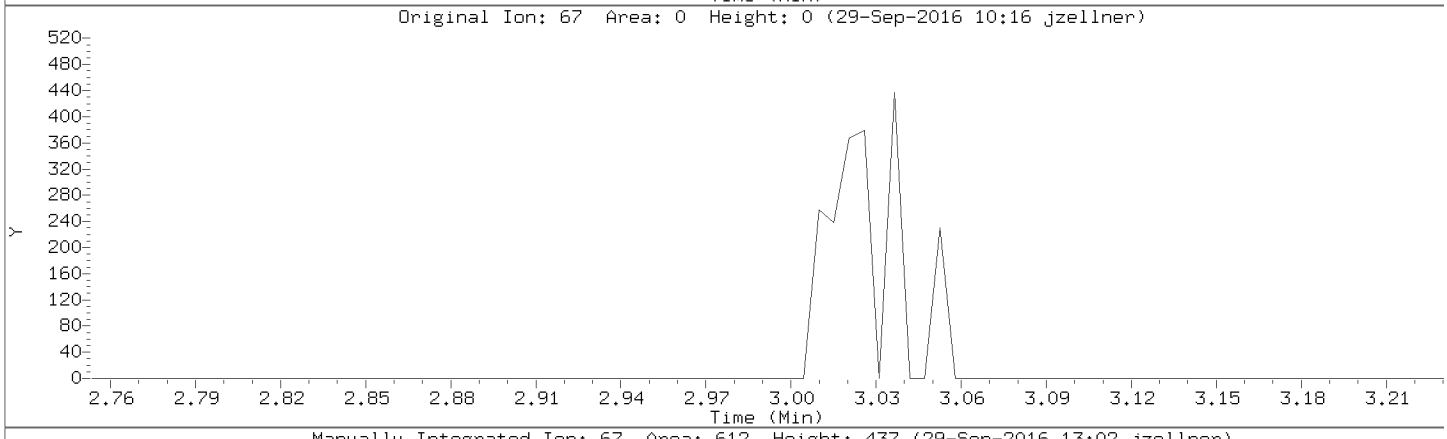
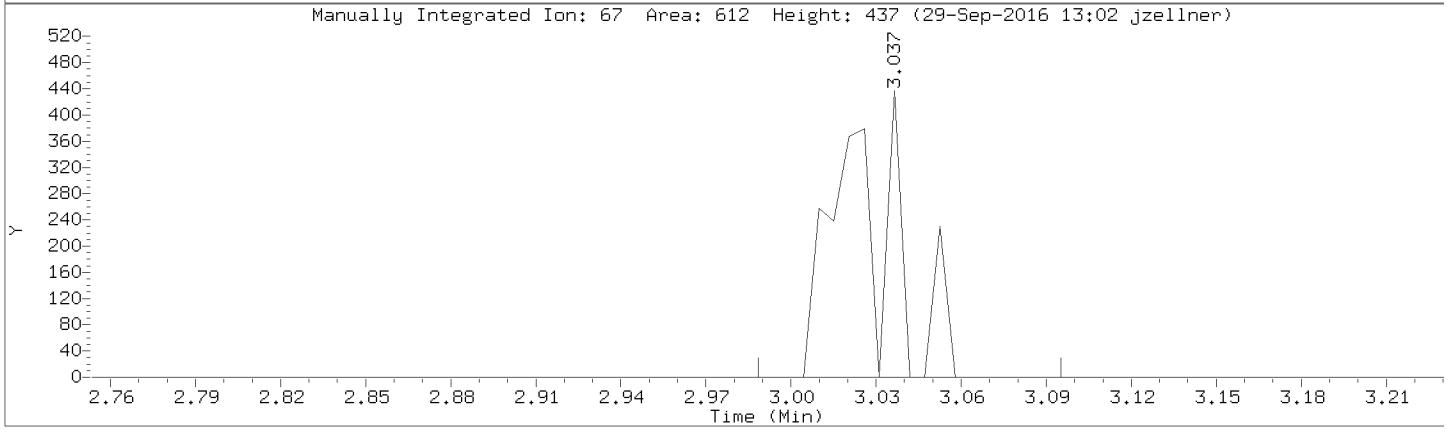
Injection Date: 28-SEP-2016 19:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0

Compound: Methacrylonitrile Review Code: NI
CAS Number: 126-98-7









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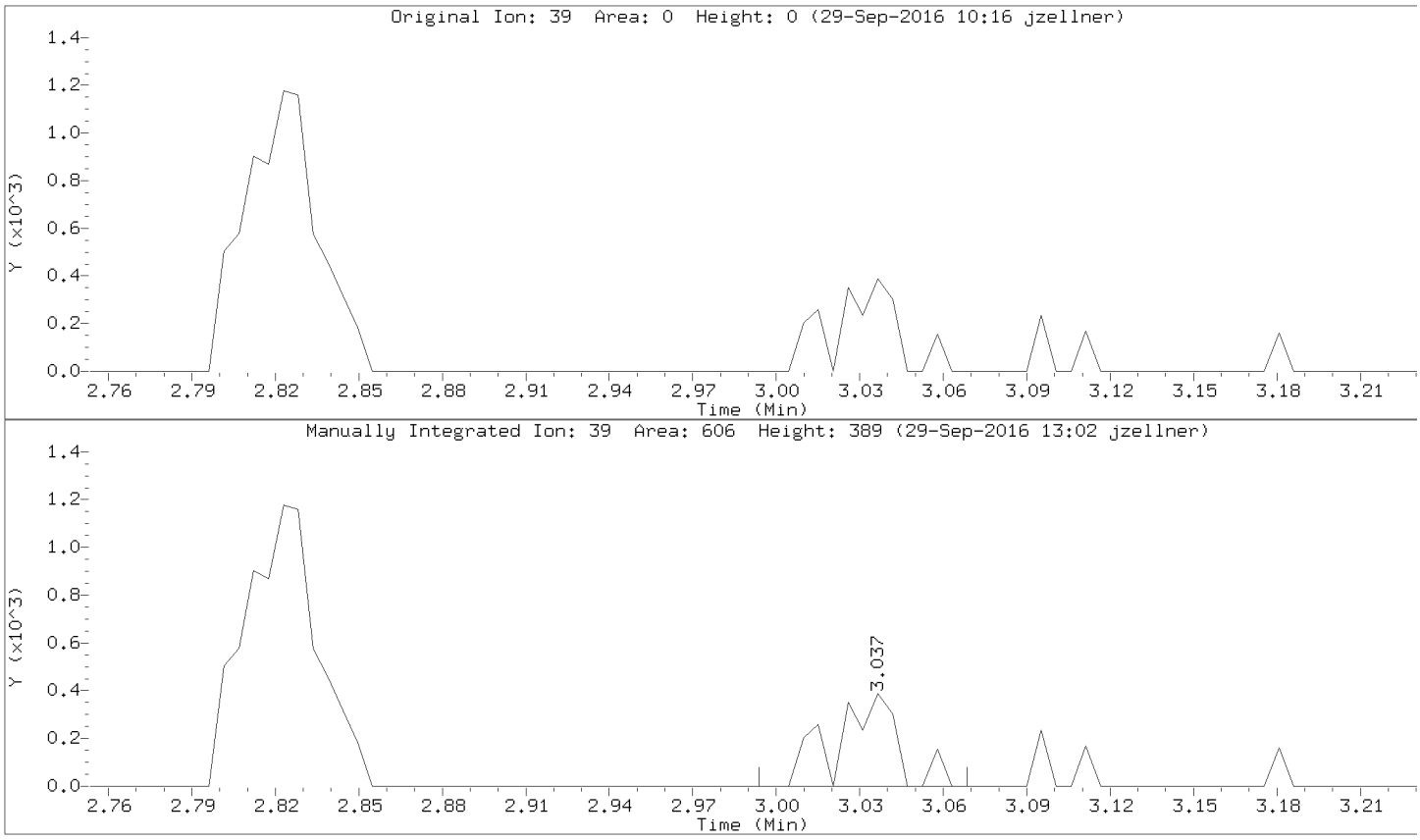
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,131977:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a03cal.d
Lab Smp Id: 8260-CAL3,131978:0
Inj Date : 28-SEP-2016 19:34
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal3,131978:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 19:34 Cal File: a03cal.d
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.909	0.906	(0.218)	8146	5.00000	5.07(T)	
2	Chloromethane	50	0.994	0.992	(0.239)	10443	5.00000	5.30	
3	Vinyl Chloride	62	1.037	1.034	(0.249)	10973	5.00000	5.30	
4	Bromomethane	94	1.181	1.184	(0.284)	4894	5.00000	5.10	
5	Chloroethane	64	1.229	1.227	(0.295)	5927	5.00000	4.84	
6	Trichlorofluoromethane	101	1.342	1.344	(0.322)	12238	5.00000	5.30	
7	Diethyl ether	74	1.465	1.467	(0.352)	4440	5.00000	4.98	
8	1,2-dichlorotrifluoroethane	67	1.486	1.483	(0.357)	10419	5.00000	5.22	
9	Acrolein	56	1.539	1.537	(0.369)	16707	100.000	105	
10	1,1,2trichlorotrifluoroethane	101	1.593	1.590	(0.382)	8574	5.00000	5.03	
11	1,1-Dichloroethene	96	1.598	1.595	(0.384)	7002	5.00000	5.02	
12	Acetone	43	1.603	1.606	(0.385)	6176	25.0000	21.8	
13	Iodomethane	142	1.683	1.681	(0.404)	11619	10.0000	8.83	
14	Carbon Disulfide	76	1.732	1.729	(0.416)	21986	5.00000	5.10	
15	Methyl Acetate	43	1.774	1.772	(0.426)	4704	5.00000	5.51(M)	NI
16	allyl chloride	41	1.790	1.788	(0.430)	25284	10.0000	9.24	
17	Acetonitrile	39	1.790	1.788	(0.430)	19830	5.00000	5.03	
18	Methylene Chloride	84	1.865	1.863	(0.448)	11824	5.00000	5.55	
19	Acrylonitrile	53	1.999	1.996	(0.480)	7353	20.0000	20.4	
20	Methyl-tert-butyl ether	73	2.025	2.028	(0.486)	17443	5.00000	4.62	
21	tert-Butyl Alcohol	59	1.908	1.905	(0.458)	988	10.0000	9.11(QM)	NI
22	1,2-Dichloroethene (trans)	96	2.041	2.039	(0.490)	7412	5.00000	4.72	
23	n-Hexane	57	2.223	2.220	(0.533)	14873	5.00000	4.76	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.335	2.332	(0.560)	45055	20.0000	18.2	
	25 1,1-Dichloroethane	63	2.335	2.343	(0.560)	14319	5.00000	4.85	
	26 Chloroprene	53	2.399	2.396	(0.576)	14533	5.00000	4.76	
	27 2-Butanone	72	2.816	2.802	(0.676)	2337	25.0000	22.2(QM)	NI
	28 1,2-Dichloroethene (cis)	96	2.816	2.818	(0.676)	8488	5.00000	5.04	
	29 2,2-Dichloropropane	77	2.826	2.824	(0.678)	11282	5.00000	4.83	
	30 Propionitrile	54	2.869	2.861	(0.689)	311	5.00000	4.65(QM)	NI
	31 Methacrylonitrile	41	3.013	3.005	(0.723)	3269	5.00000	4.67	
	32 Bromochloromethane	49	3.051	3.048	(0.732)	5991	5.00000	4.96	
	33 Tetrahydrofuran	42	3.083	3.069	(0.740)	2130	5.00000	6.71(M)	NI
	34 Chloroform	83	3.158	3.155	(0.758)	13301	5.00000	4.89	
$	35 Dibromofluoromethane (S)	113	3.334	3.331	(0.800)	72958	50.0000	51.2	
	36 1,1,1-Trichloroethane	97	3.334	3.337	(0.800)	12029	5.00000	4.67	
	37 Cyclohexane	56	3.419	3.422	(0.821)	14610	5.00000	4.73	
	38 n-Butyl chloride	56	3.483	3.481	(0.836)	16598	5.00000	4.30	
	39 Carbon Tetrachloride	117	3.510	3.518	(0.842)	10235	5.00000	4.74	
	40 1,1-Dichloropropene	75	3.526	3.523	(0.846)	11271	5.00000	4.84	
	41 Benzene	78	3.772	3.764	(0.905)	30261	5.00000	4.67	
	42 1,2-Dichloroethane	62	3.857	3.849	(0.926)	9786	5.00000	4.98(M)	NI
	43 2,2,4-Trimethylpentane	57	3.943	3.945	(0.946)	35376	5.00000	4.54	
	44 Isobutyl alcohol	43	3.879	3.881	(0.931)	50318	5.00000	4.76	
*	45 Fluorobenzene (IS)	96	4.167	4.164	(1.000)	314768	50.0000		
	46 Trichloroethene	95	4.626	4.618	(1.110)	8090	5.00000	4.93	
	47 Methylcyclohexane	55	4.888	4.885	(1.173)	11852	5.00000	4.71	
	48 1,2-Dichloropropane	63	4.926	4.923	(1.182)	7383	5.00000	4.86	
	49 Dibromomethane	93	5.027	5.019	(1.206)	3520	5.00000	5.07	
	50 1,4-Dioxane	88	5.032	5.035	(1.208)	349	100.000	101(M)	NI
	51 Methyl methacrylate	69	5.048	5.040	(1.211)	3261	5.00000	4.80(M)	NI
	52 Bromodichloromethane	83	5.251	5.243	(1.260)	7914	5.00000	4.52(M)	NI
	53 2-Chloroethyl vinyl ether	63	5.620	5.601	(0.765)	1193	10.0000	2.31(M)	NI
	54 cis-1,3-Dichloropropene	75	5.748	5.745	(0.783)	8136	5.00000	4.25	
	55 4-Methyl-2-Pentanone	43	5.924	5.916	(0.807)	18820	25.0000	21.4	
$	56 Toluene-d8 (S)	98	6.020	6.018	(0.820)	254005	50.0000	48.1	
	57 Toluene	91	6.095	6.092	(0.830)	27272	5.00000	4.35	
	58 trans-1,3-Dichloropropene	75	6.378	6.381	(0.868)	6556	5.00000	4.22	
	59 Ethyl Methacrylate	69	6.469	6.466	(0.881)	4288	5.00000	3.72(M)	NI
	60 1,1,2-Trichloroethane	83	6.565	6.563	(0.894)	3555	5.00000	4.76	
	61 Tetrachloroethene	166	6.624	6.616	(0.902)	6702	5.00000	4.71	
	62 1,3-Dichloropropane	76	6.704	6.707	(0.913)	7460	5.00000	4.75	
	63 2-Hexanone	43	6.779	6.776	(0.923)	12617	25.0000	22.6	
	64 Dibromochloromethane	129	6.886	6.888	(0.937)	4893	5.00000	4.68	
	65 1,2-Dibromoethane	107	6.971	6.974	(0.949)	3803	5.00000	4.73	
*	66 Chlorobenzene-D5 (IS)	117	7.345	7.342	(1.000)	170241	50.0000		
	67 Chlorobenzene	112	7.366	7.364	(1.003)	16355	5.00000	4.67	
	68 1,1,1,2-Tetrachloroethane	131	7.441	7.444	(1.013)	4948	5.00000	4.48	
	69 Ethylbenzene	106	7.446	7.449	(1.014)	8510	5.00000	4.43	
	70 m&p-Xylene	106	7.543	7.545	(1.027)	20904	10.0000	8.86	
	71 o-Xylene	106	7.810	7.807	(1.063)	9523	5.00000	4.36	
	72 Styrene	104	7.826	7.823	(1.065)	15425	5.00000	4.36	
	73 Bromoform	173	7.943	7.941	(0.898)	2340	5.00000	4.40	
	74 Isopropylbenzene	105	8.055	8.053	(1.097)	27075	5.00000	4.48	
$	75 4-Bromofluorobenzene (S)	95	8.162	8.165	(1.111)	73592	50.0000	48.5	
	76 Bromobenzene	77	8.242	8.245	(1.122)	9083	5.00000	4.57	
	77 1,1,2,2-Tetrachloroethane	83	8.258	8.256	(0.934)	4844	5.00000	5.06	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
78 trans-1,4-Dichloro-2-butene	53	8.280	8.277	(1.127)	1162	5.00000	4.19(M)	WP
79 1,2,3-Trichloropropane	110	8.285	8.282	(0.937)	1606	5.00000	5.28(Q)	
80 n-Propylbenzene	91	8.312	8.309	(0.940)	32163	5.00000	4.70	
81 2-Chlorotoluene	91	8.360	8.362	(0.946)	18827	5.00000	4.92	
82 1,3,5-Trimethylbenzene	105	8.419	8.421	(0.952)	21821	5.00000	4.72	
83 4-Chlorotoluene	126	8.435	8.437	(0.954)	6108	5.00000	4.51	
84 tert-Butylbenzene	119	8.600	8.603	(0.973)	25072	5.00000	4.75	
85 1,2,4-Trimethylbenzene	105	8.638	8.635	(0.977)	21555	5.00000	4.62	
86 sec-Butylbenzene	105	8.728	8.726	(0.987)	29318	5.00000	4.68	
87 1,3-Dichlorobenzene	146	8.798	8.795	(0.995)	11328	5.00000	4.64	
88 p-Isopropyltoluene	119	8.814	8.811	(0.997)	24867	5.00000	4.76	
* 89 1,4-Dichlorobenzene-d4 (IS)	152	8.841	8.843	(1.000)	76165	50.0000		
90 1,4-Dichlorobenzene	146	8.851	8.854	(1.001)	11891	5.00000	4.70	
91 n-Butylbenzene	91	9.033	9.030	(1.022)	21478	5.00000	4.55	
92 1,2-Dichlorobenzene	146	9.043	9.046	(1.023)	10865	5.00000	4.91	
93 1,2,4-Trichlorobenzene	180	9.861	9.858	(1.115)	7500	5.00000	5.11	
94 1,2-Dibromo-3-chloropropane	155	9.455	9.457	(1.069)	629	5.00000	5.10(QM)	NI
95 Hexachlorobutadiene	225	9.925	9.927	(1.123)	4428	5.00000	4.92	
96 Naphthalene	128	10.005	10.002	(1.132)	13762	5.00000	4.59	
97 1,2,3-Trichlorobenzene	180	10.117	10.114	(1.144)	7226	5.00000	5.21	
98 2,methyl-naphthalene	142	10.635	10.632	(1.203)	8966	5.00000	4.58	
99 1-Methylnaphthalene	142	10.742	10.745	(1.215)	7789	5.00000	4.65	

QC Flag Legend

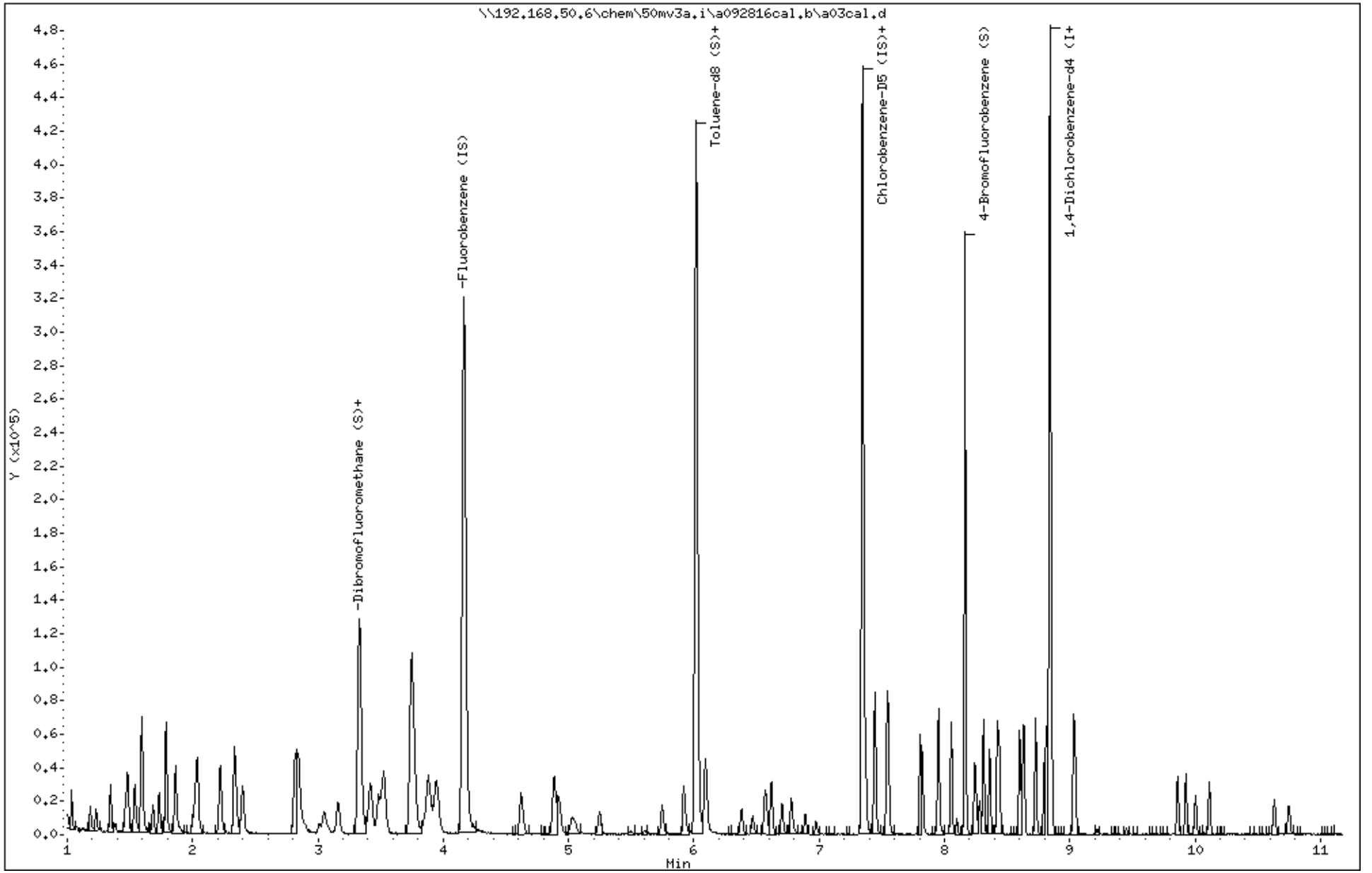
T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.
WP: Indicates that the wrong peak was chosen by the data system.

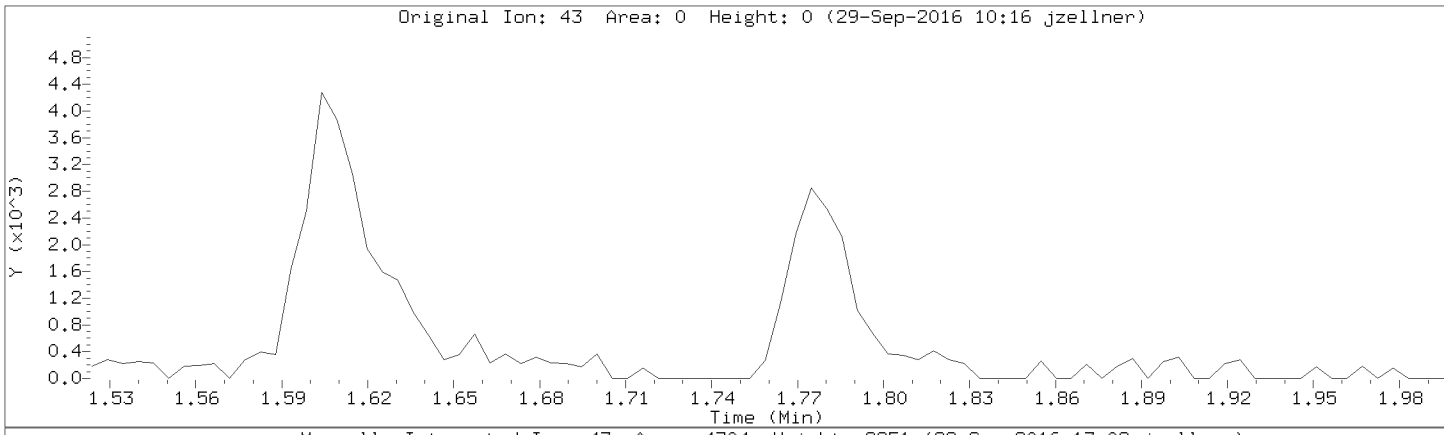
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a03cal.d
Date : 28-SEP-2016 19:34
Client ID:
Sample Info: 8260-CAL3,131978:0
Purge Volume: 5.0
Column phase: DB-624

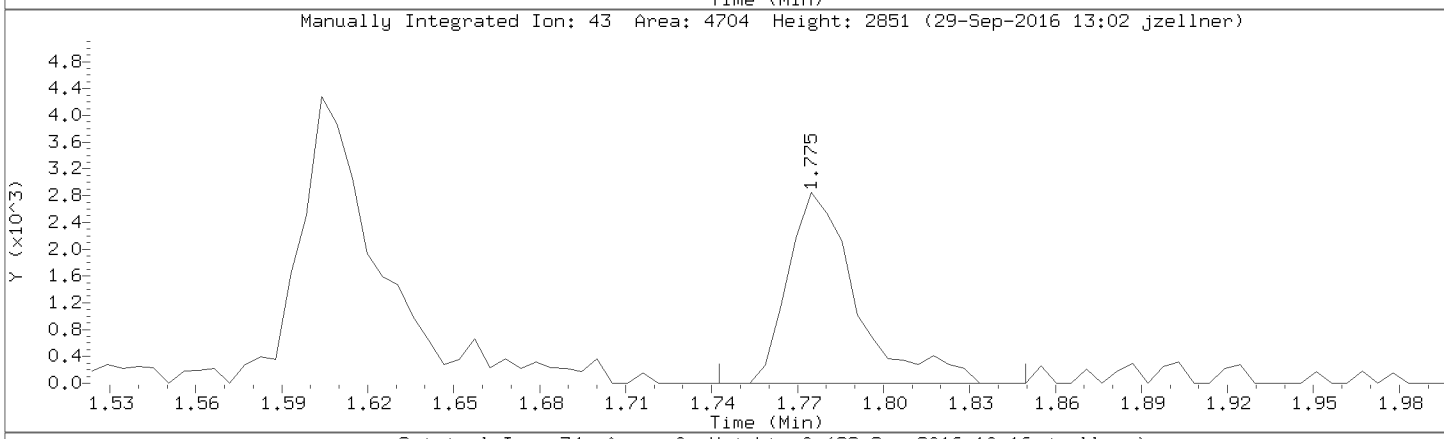
Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18

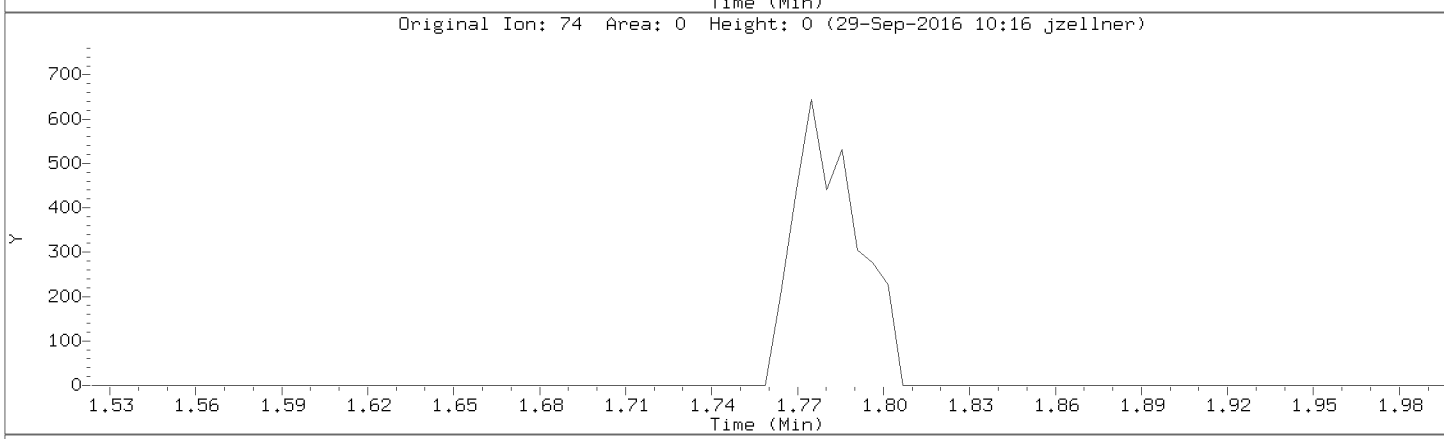


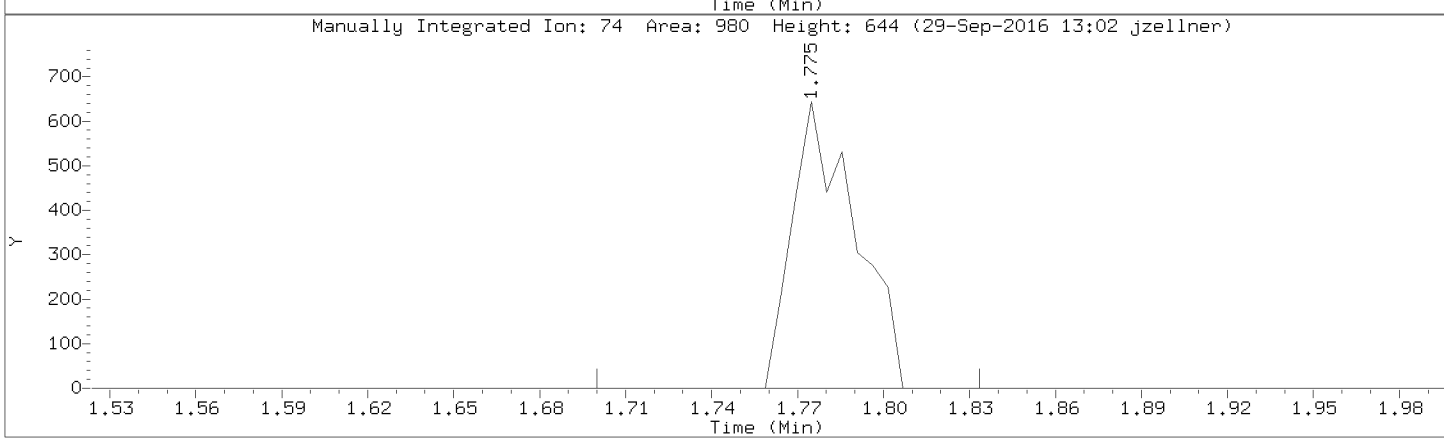
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a03cal.d
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: Methyl Acetate Review Code: NI
CAS Number: 79-20-9









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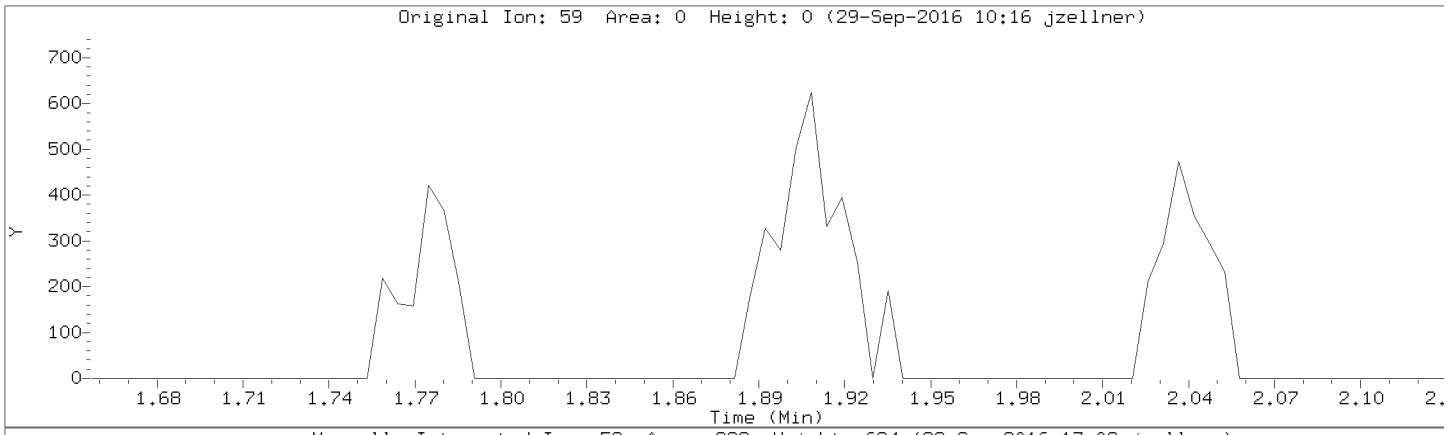
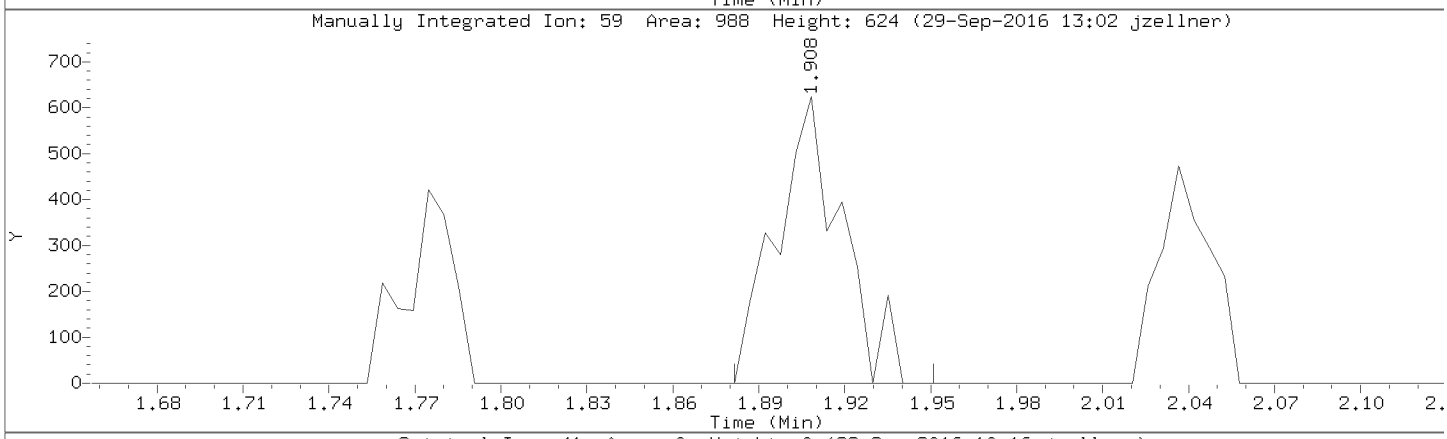
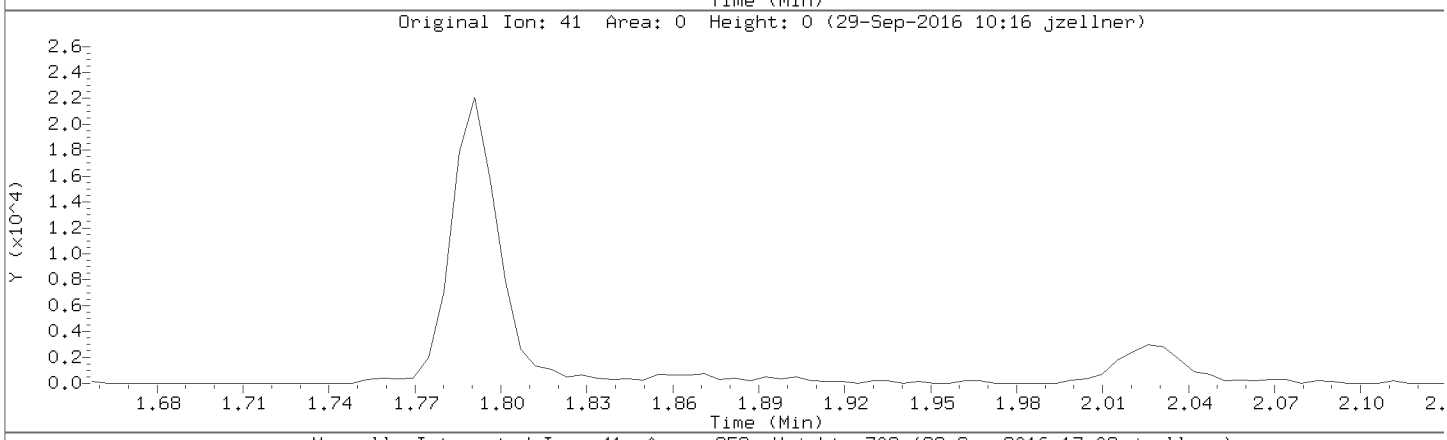
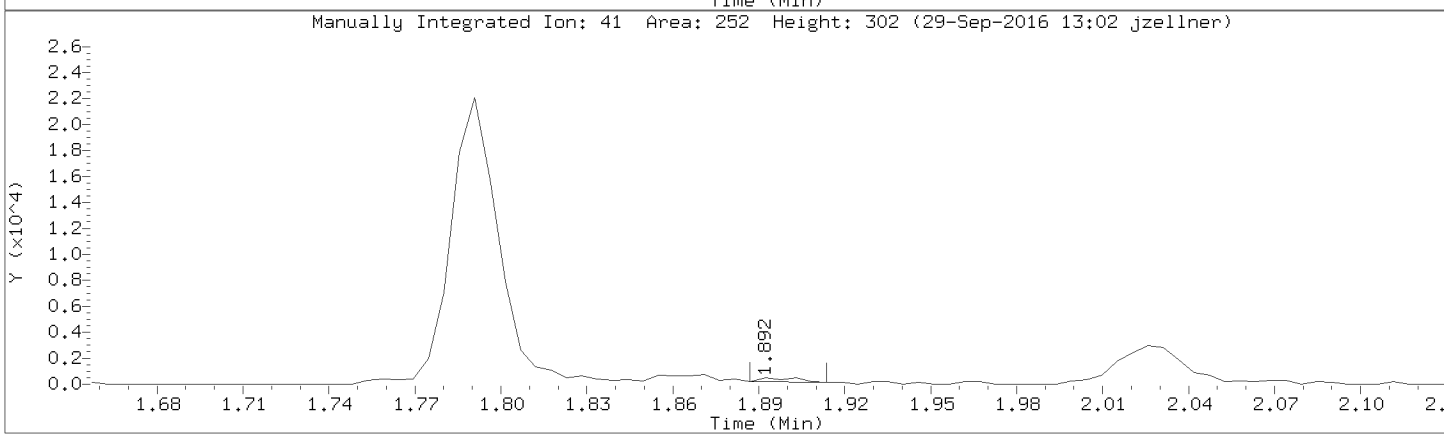
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: tert-Butyl Alcohol Review Code: NI
CAS Number: 75-65-0









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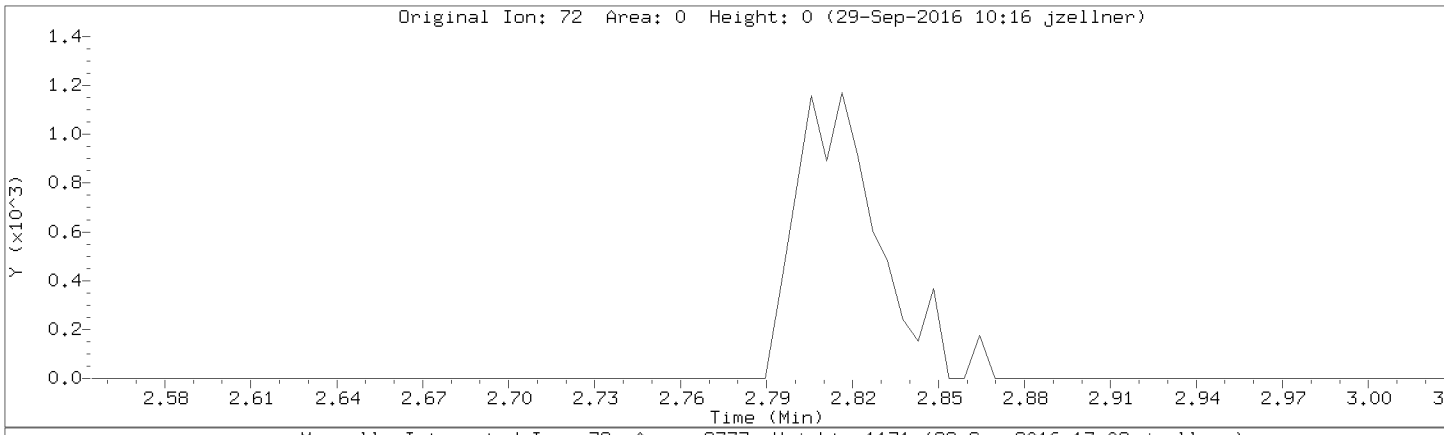
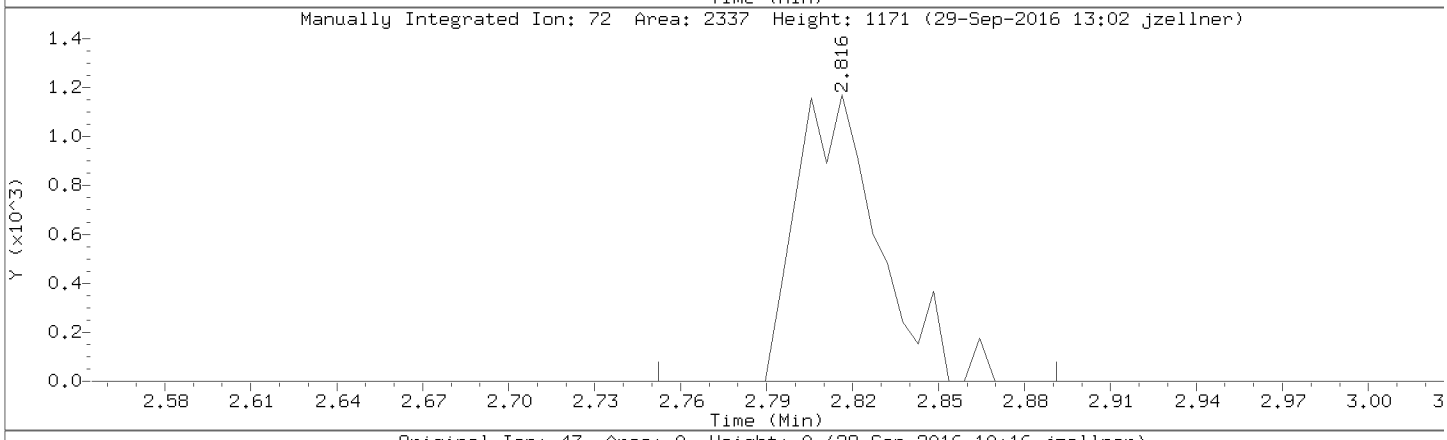
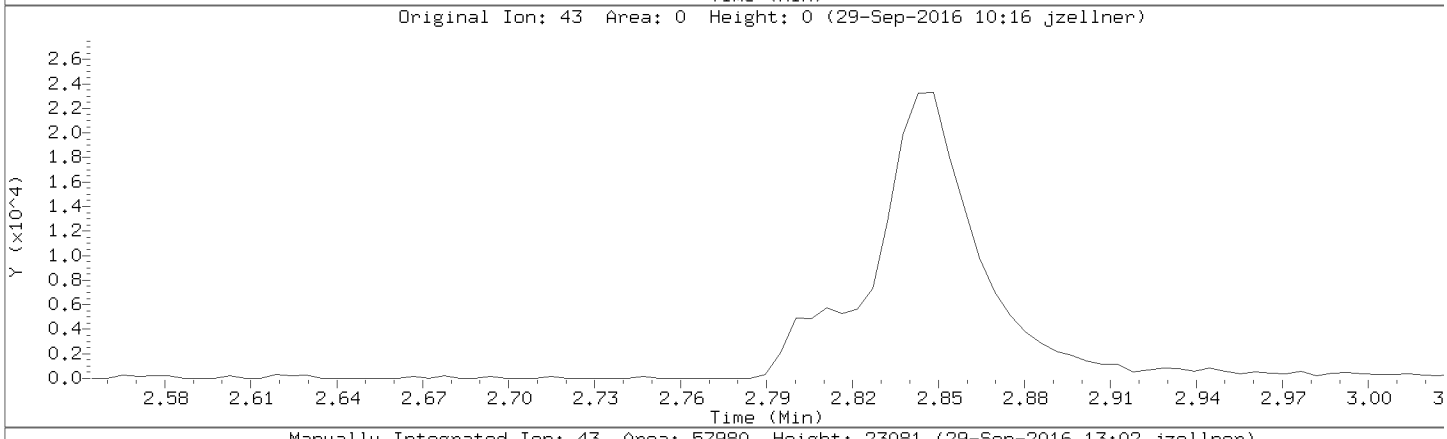
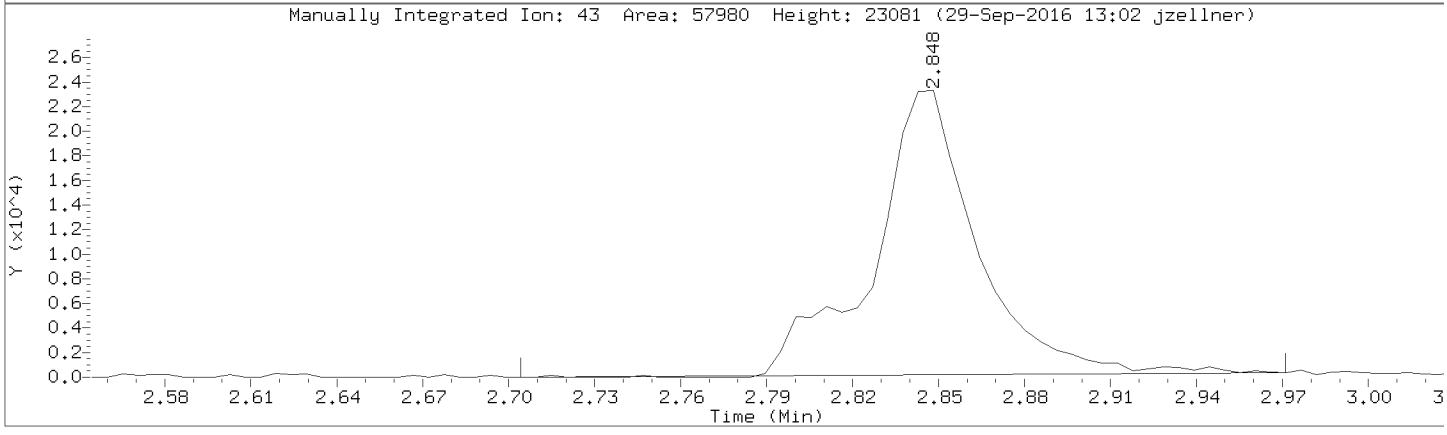
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: 2-Butanone Review Code: NI
CAS Number: 78-93-3









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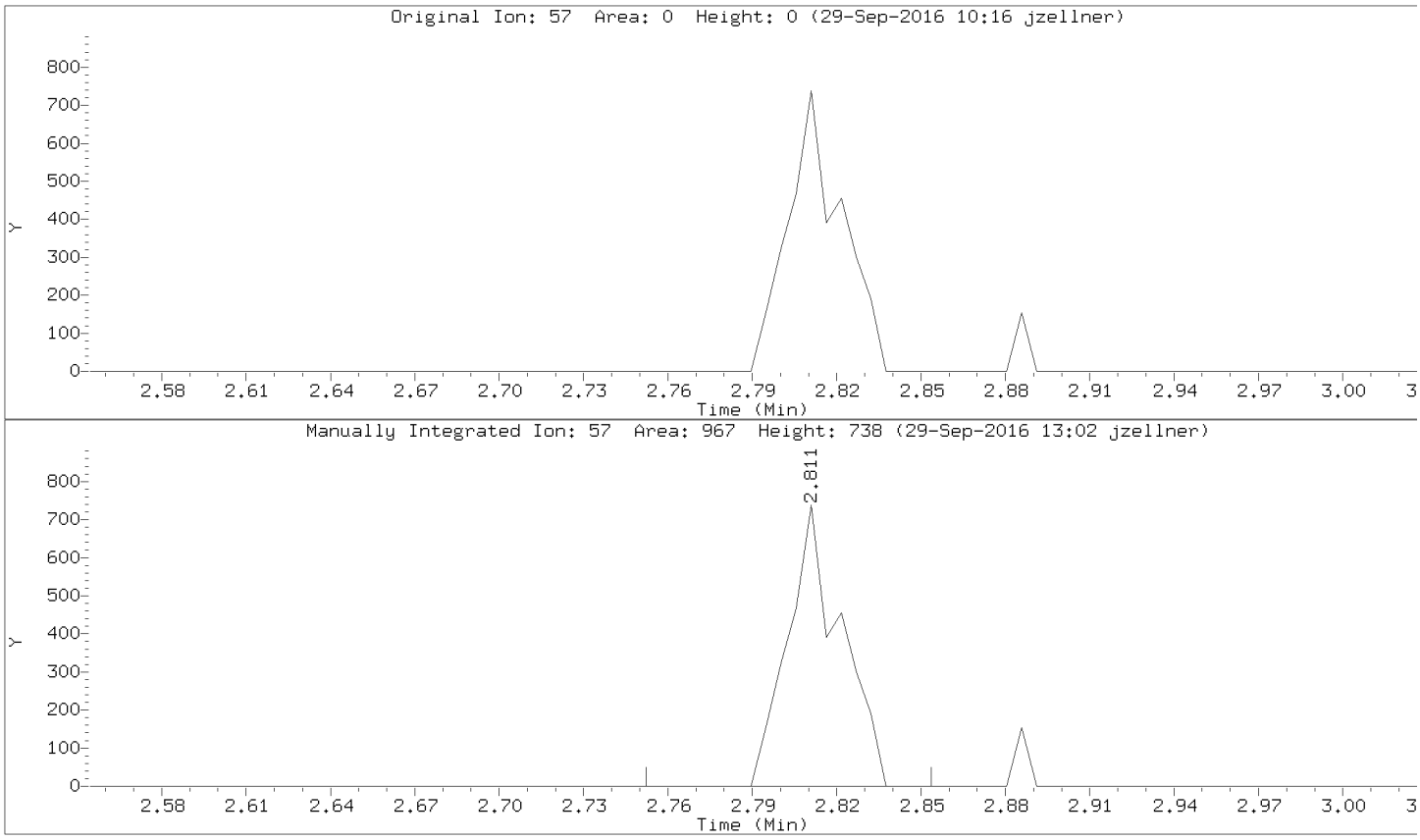
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



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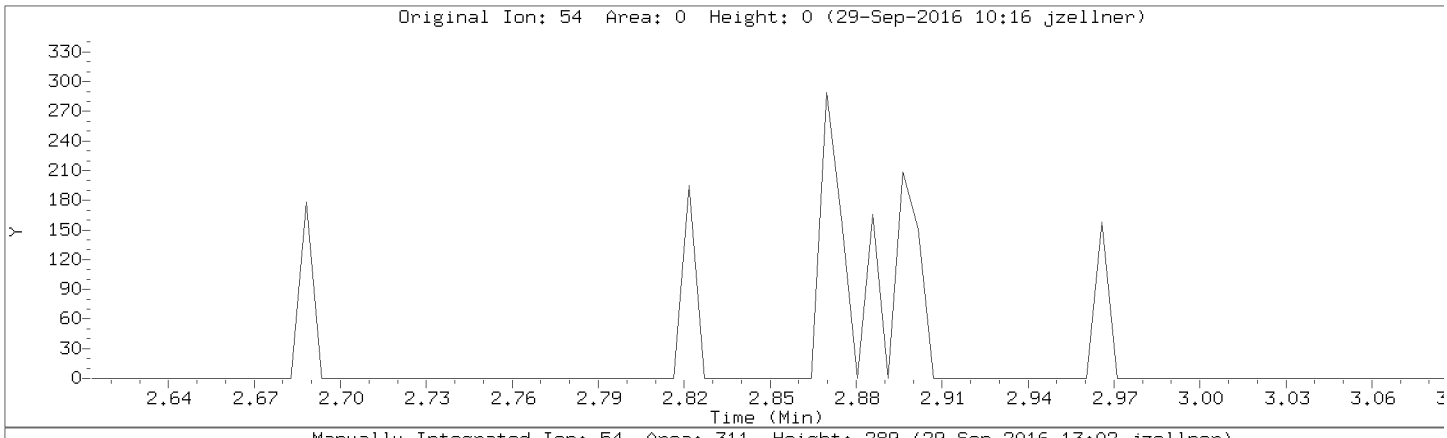
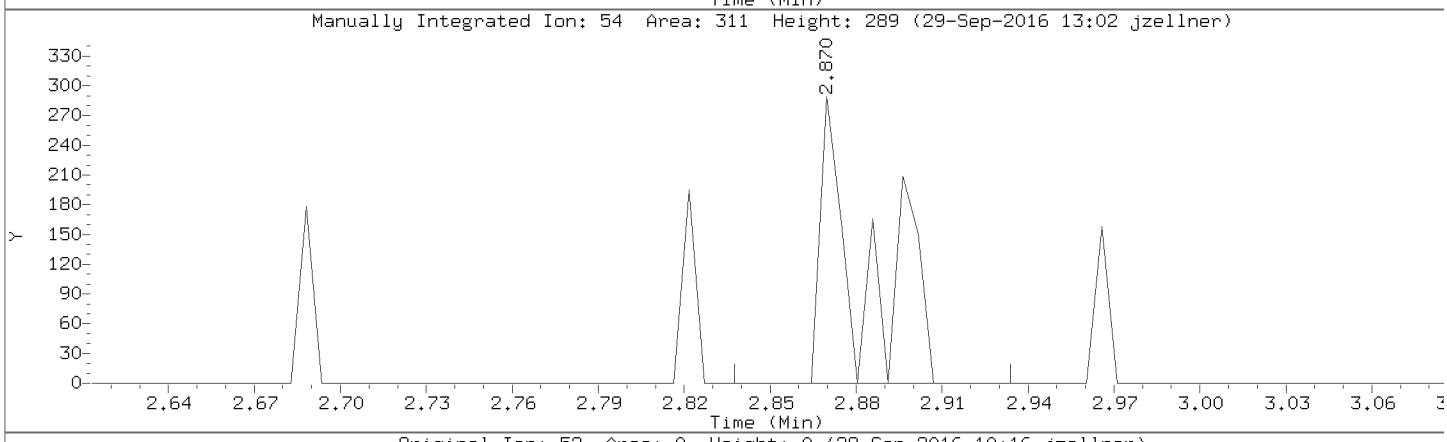
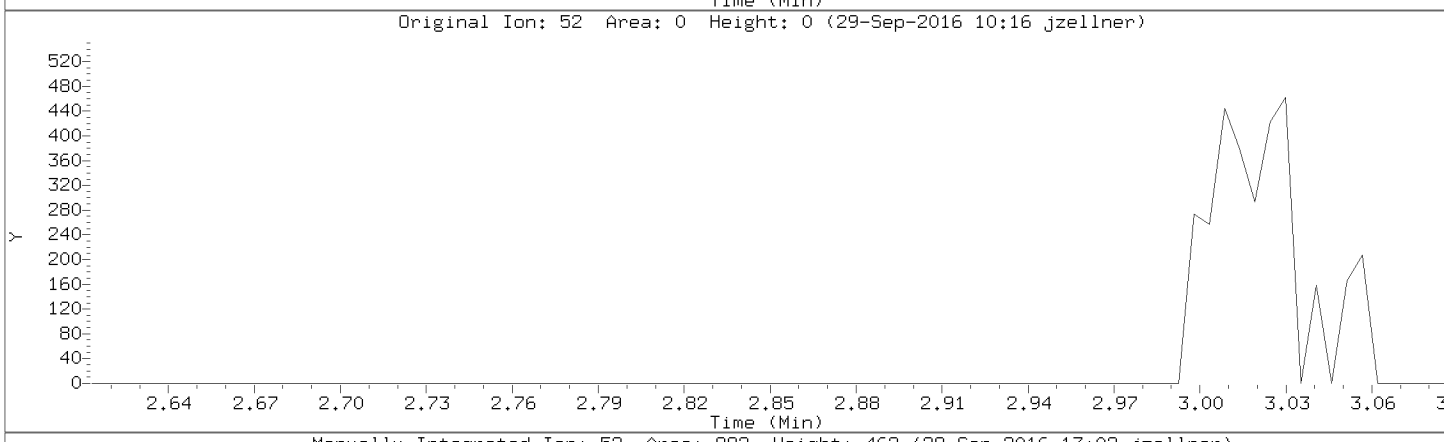
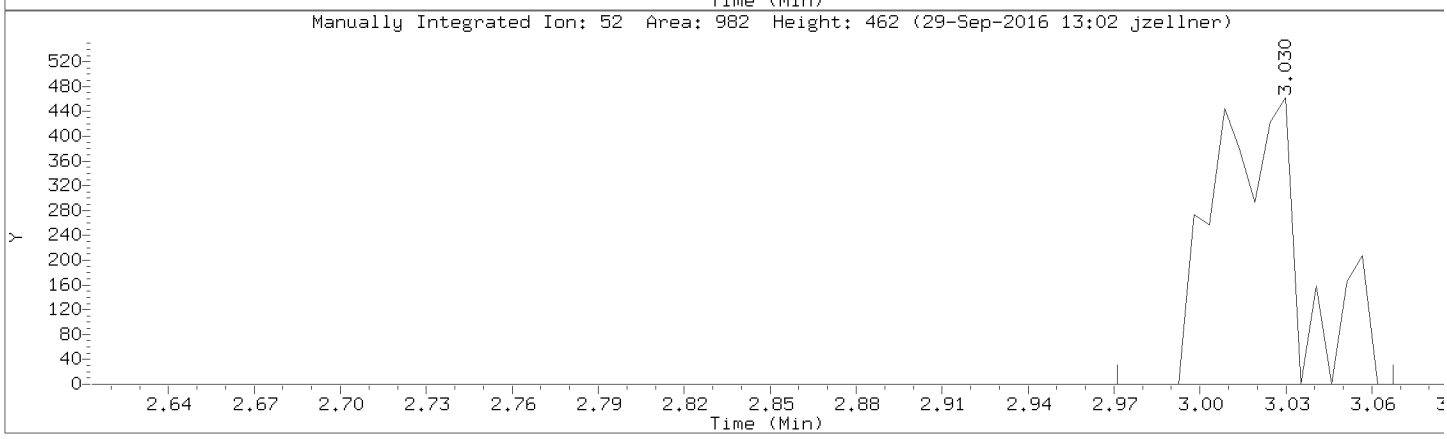
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: Propionitrile Review Code: NI
CAS Number: 107-12-0









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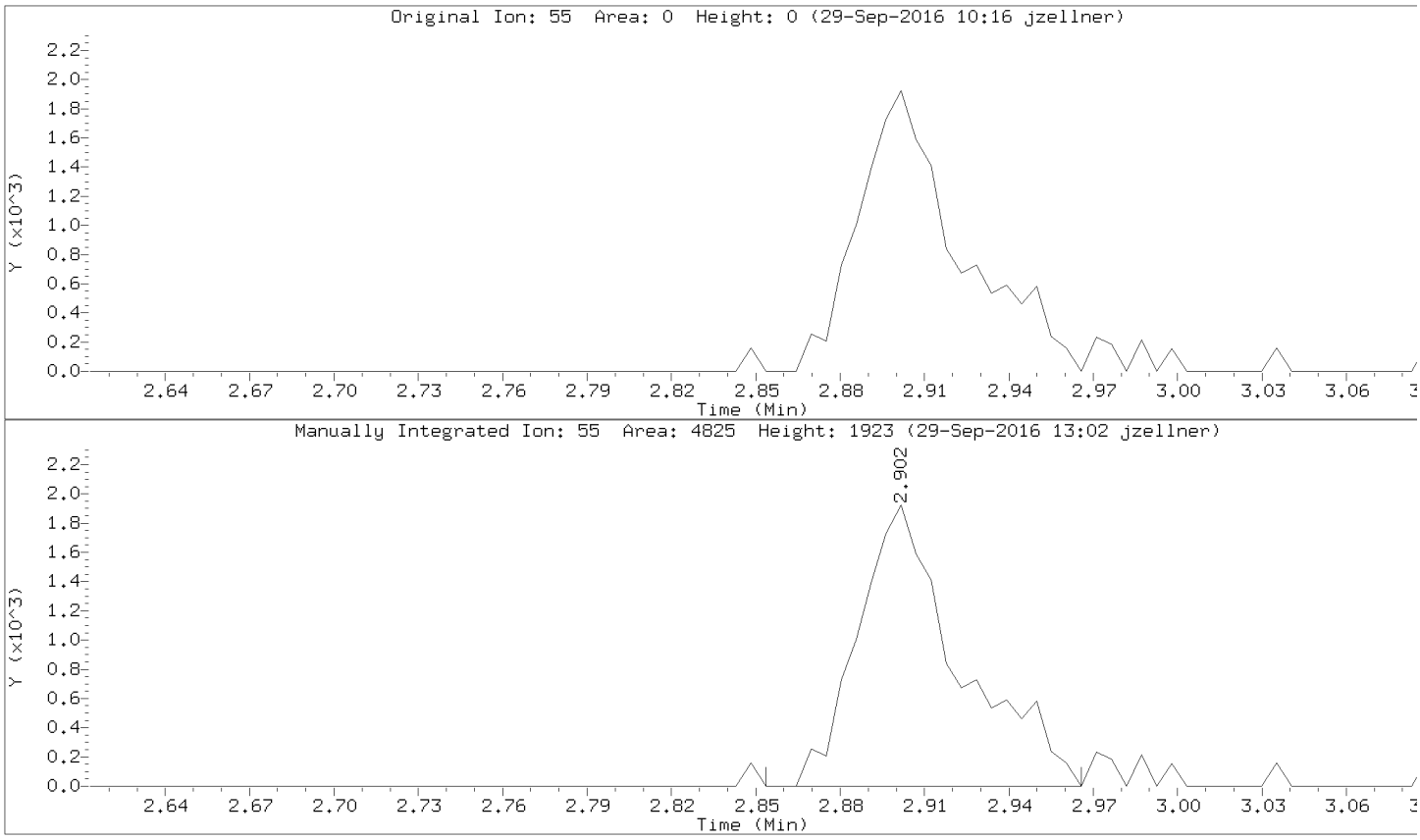
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



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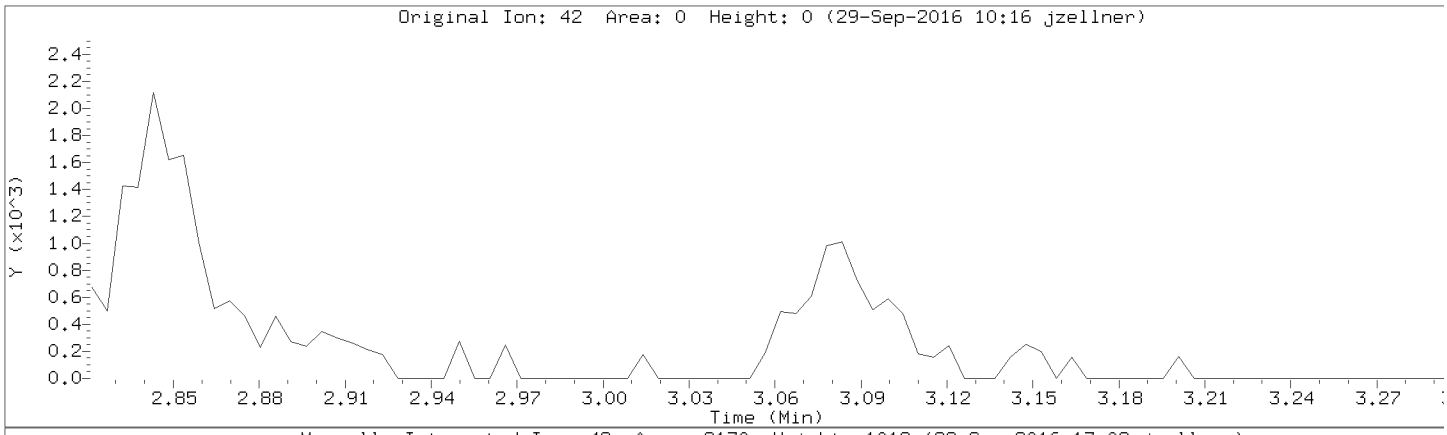
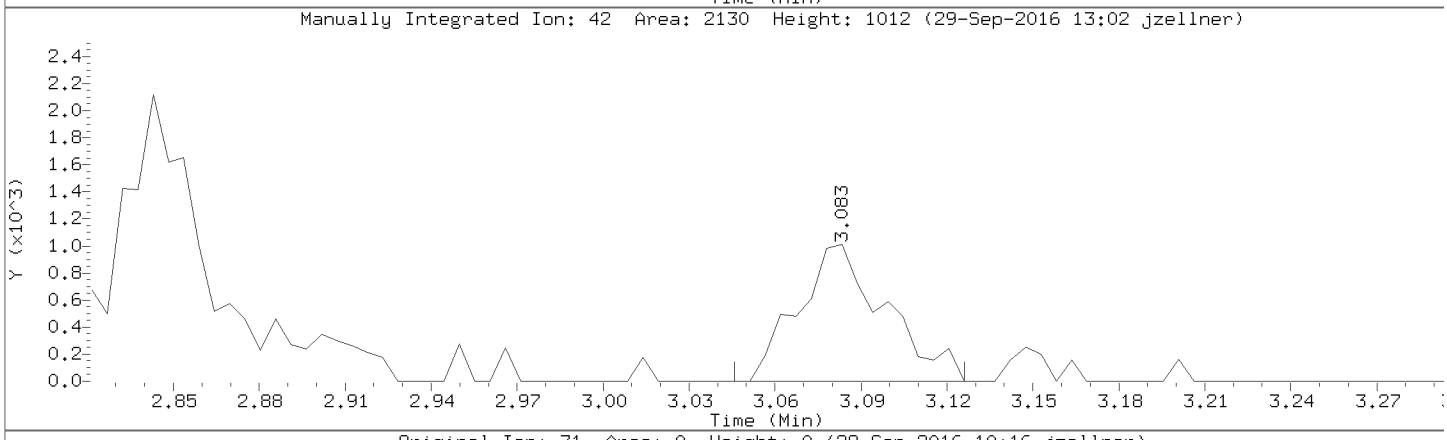
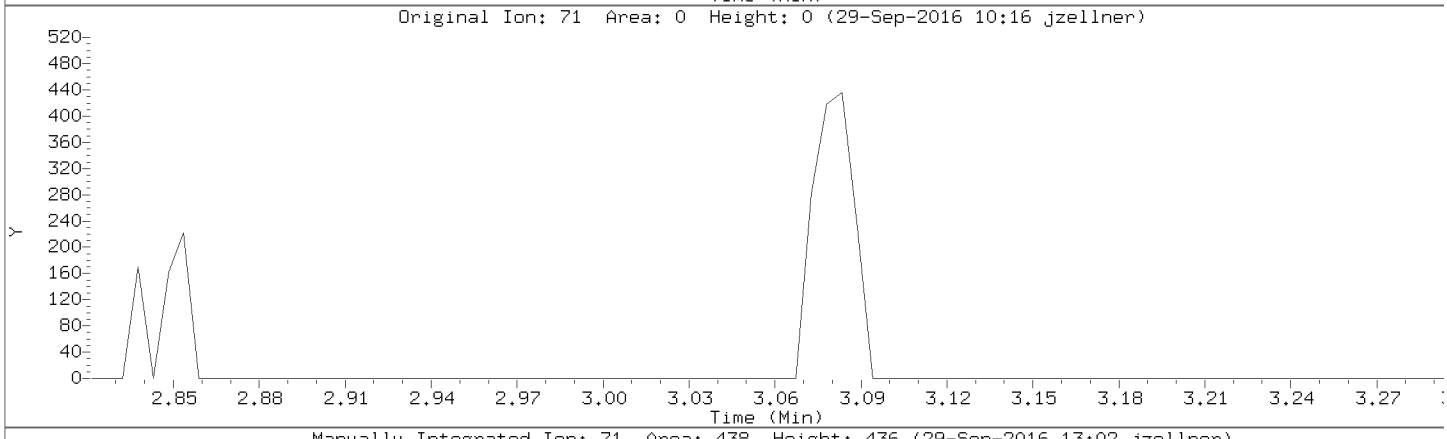
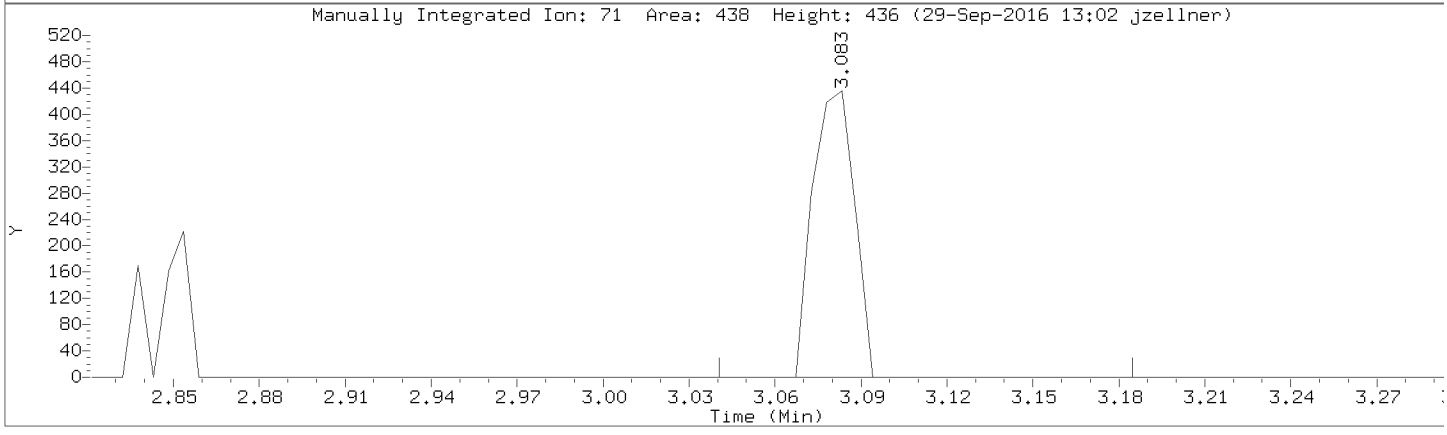
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: Tetrahydrofuran Review Code: NI
CAS Number:









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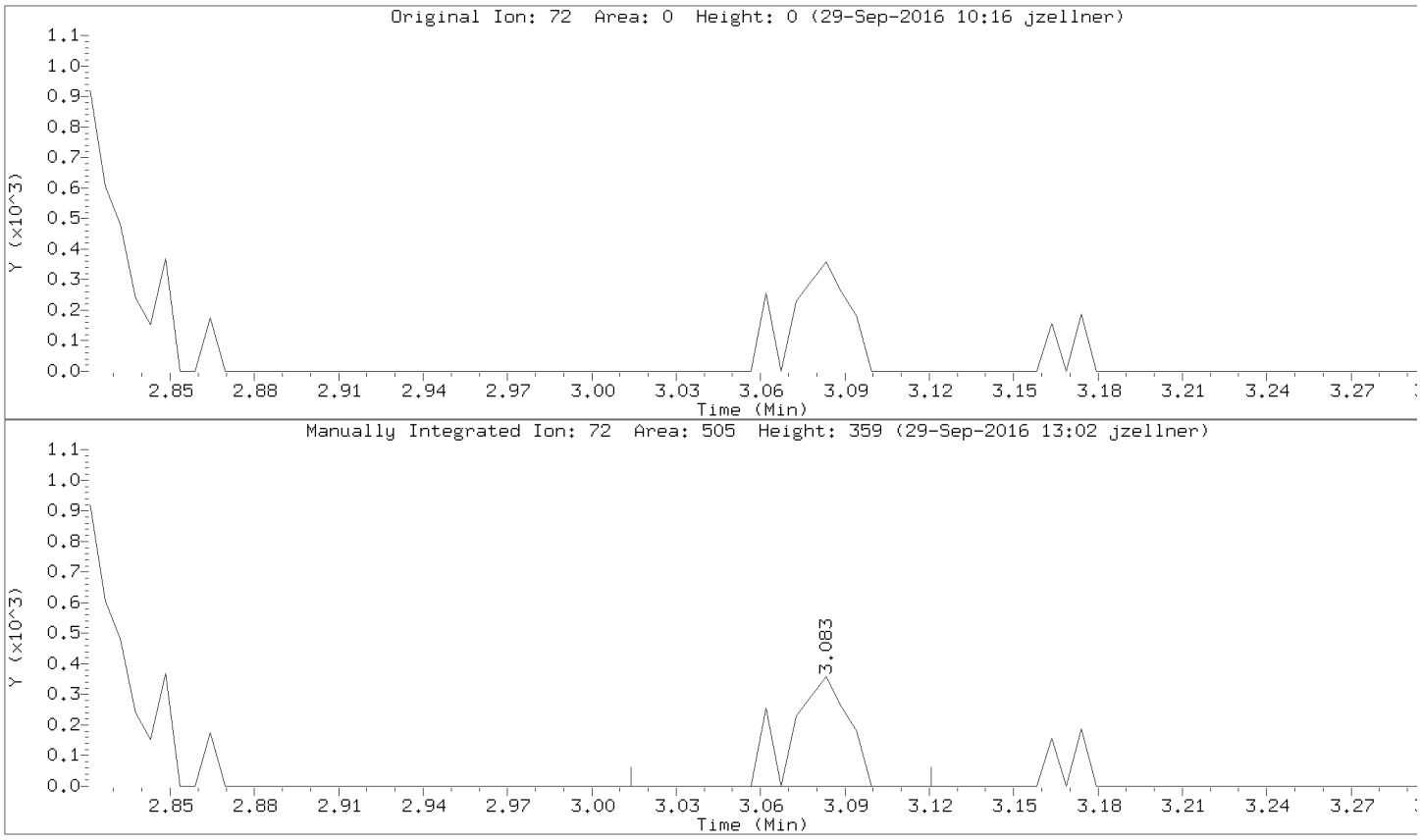
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



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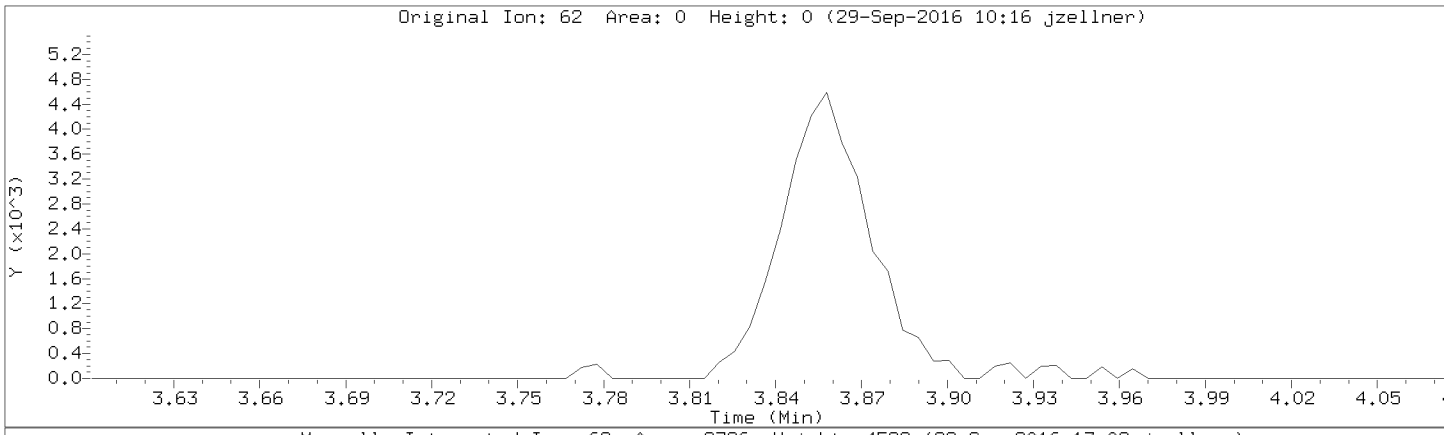
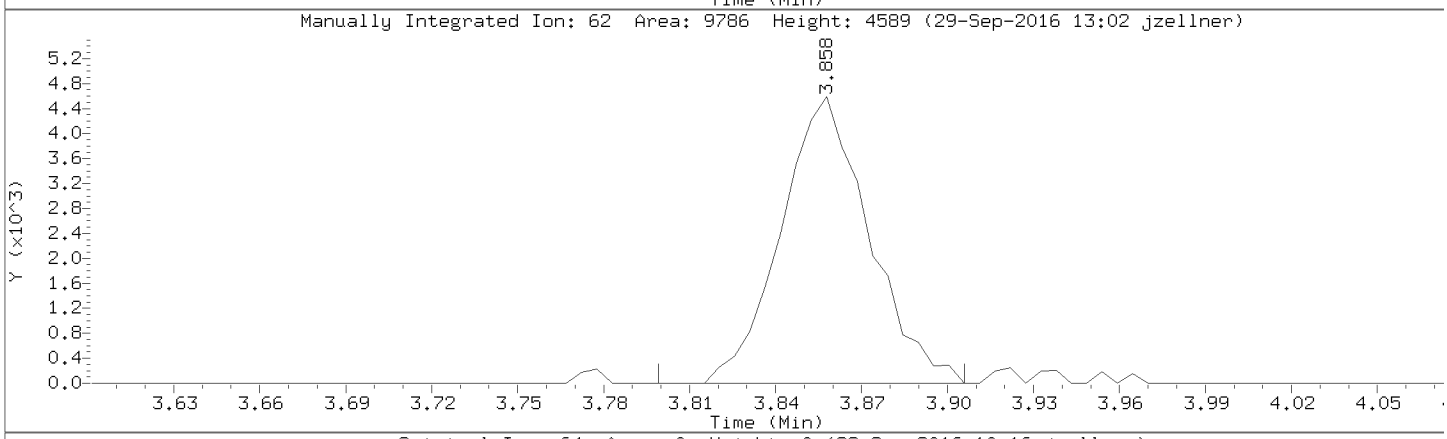
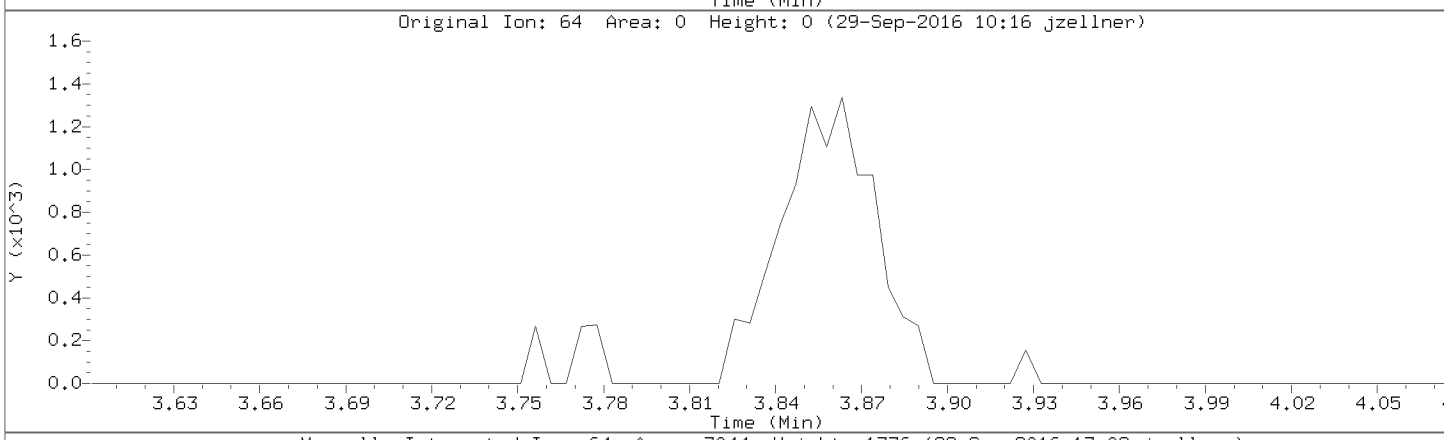
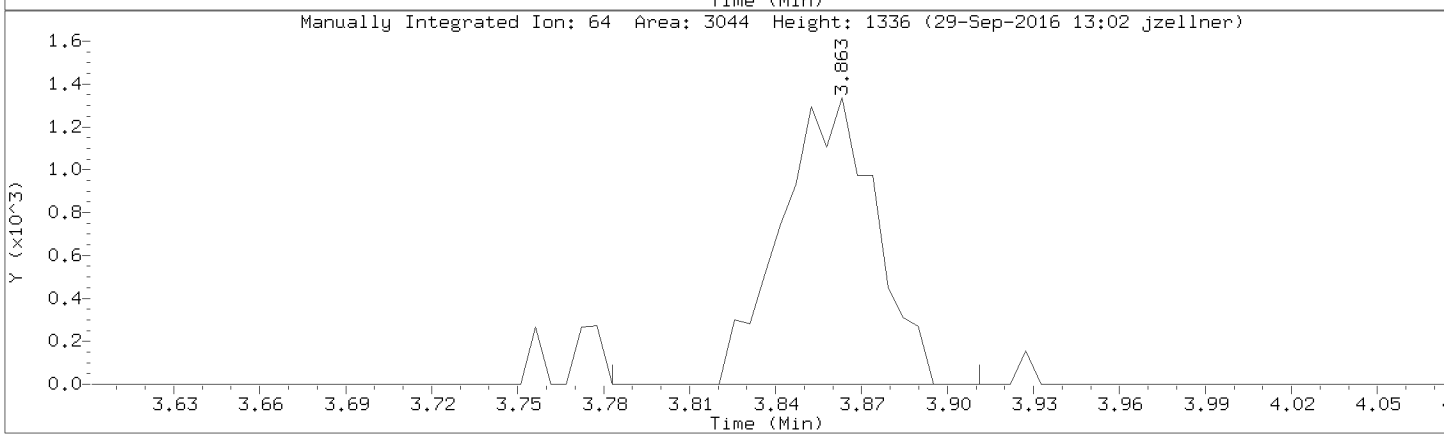
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2









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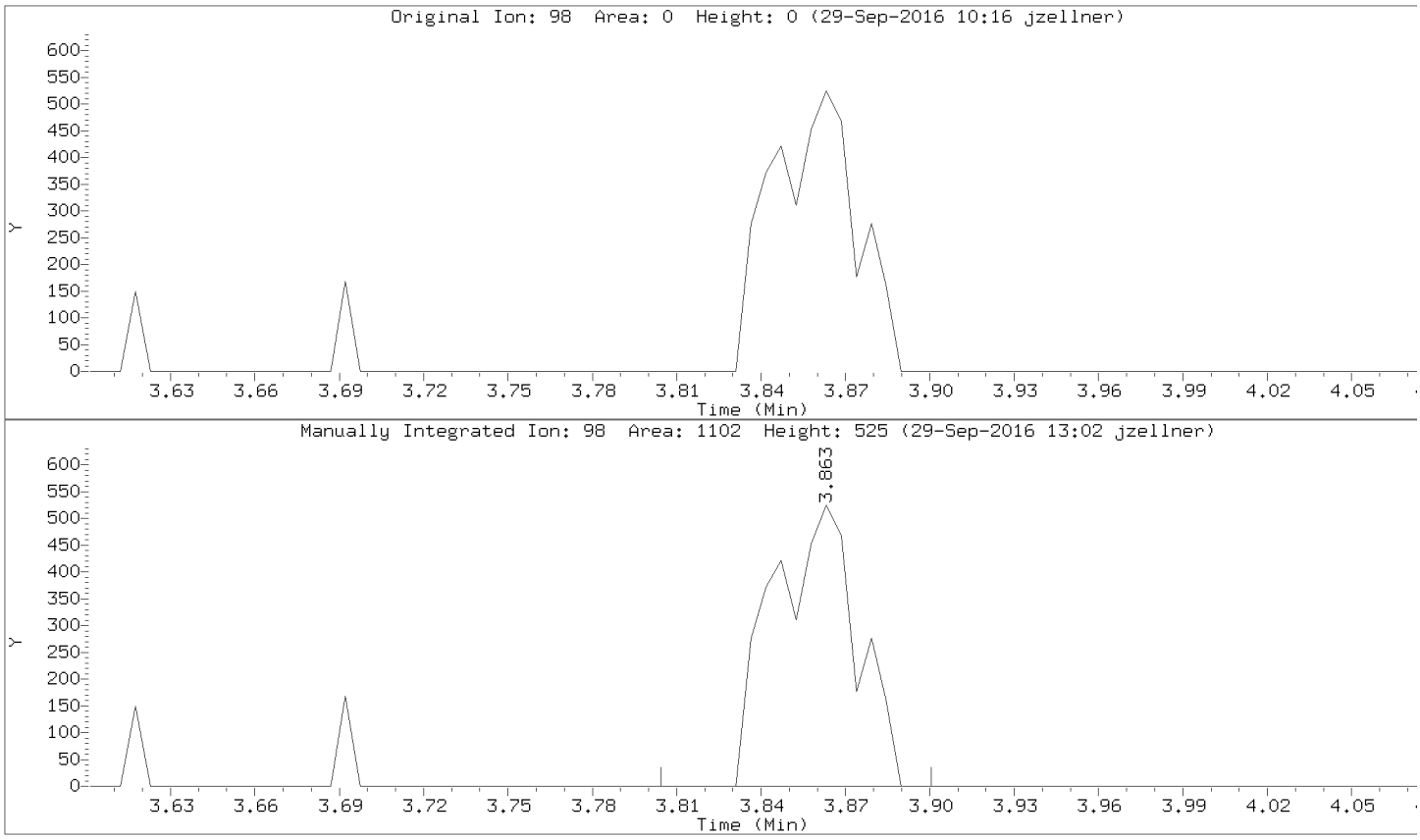
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



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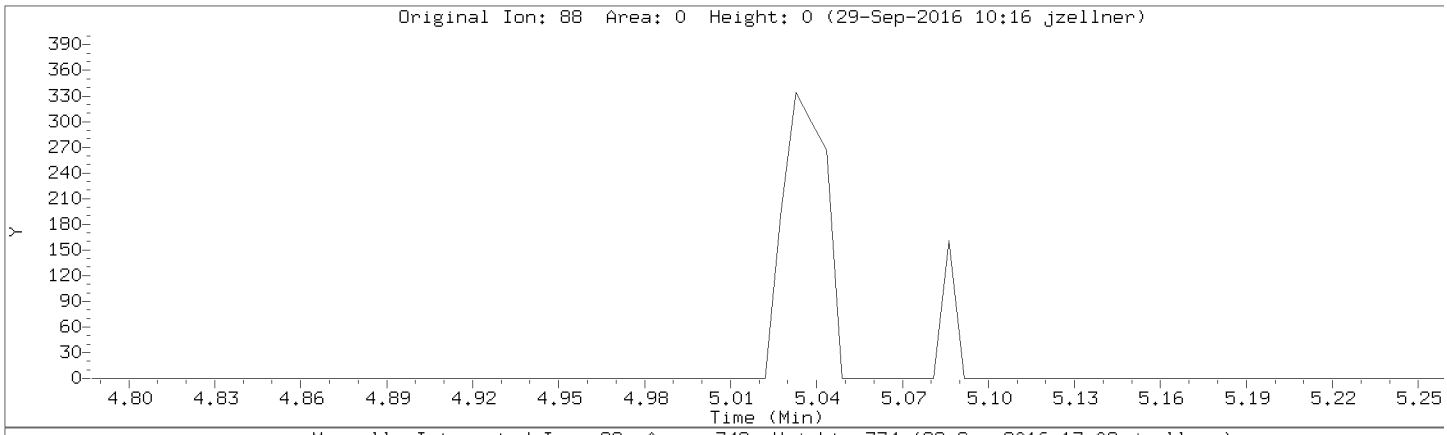
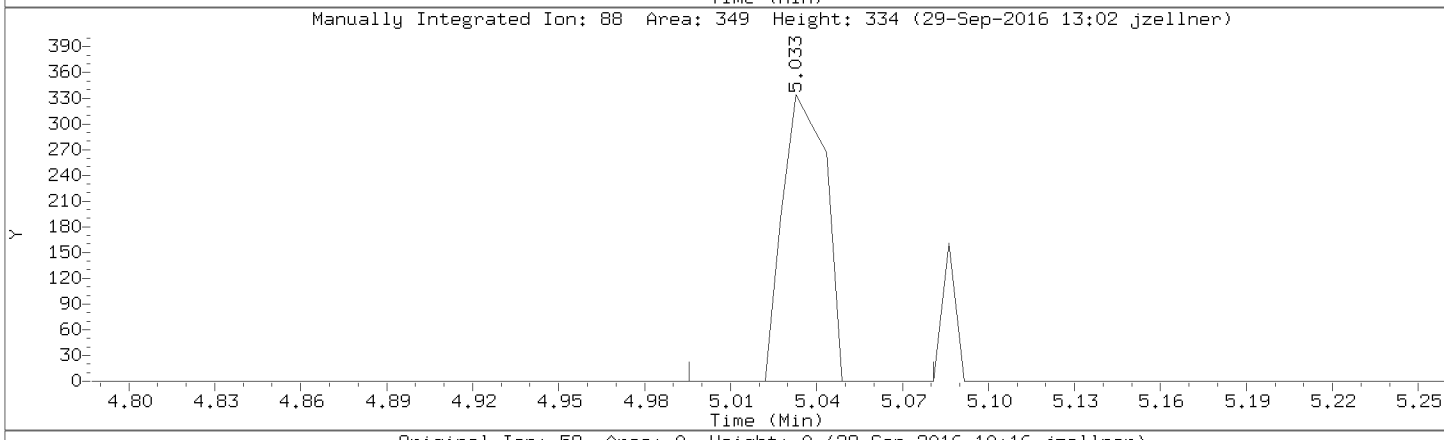
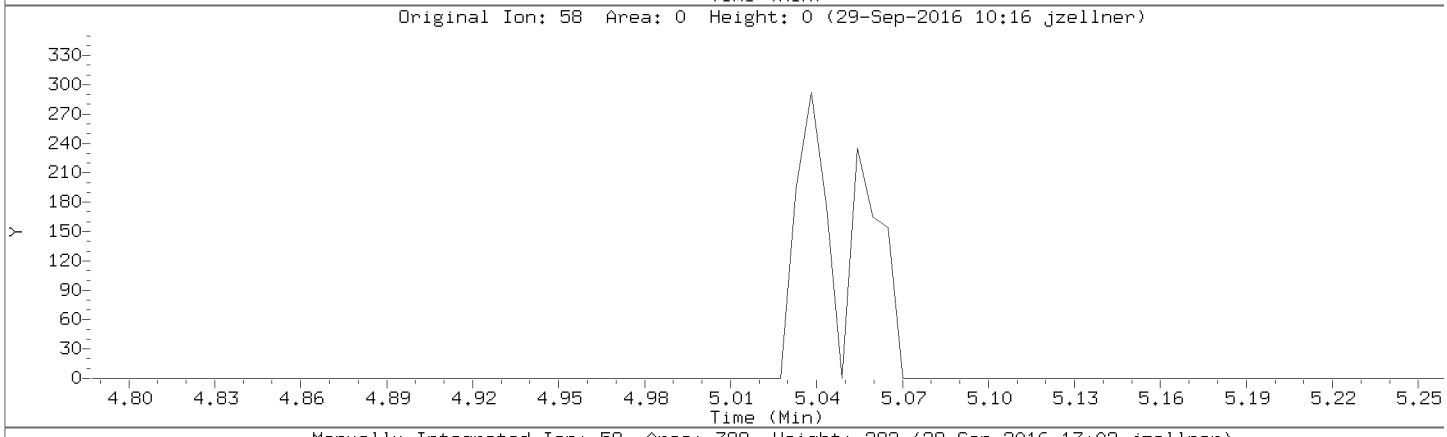
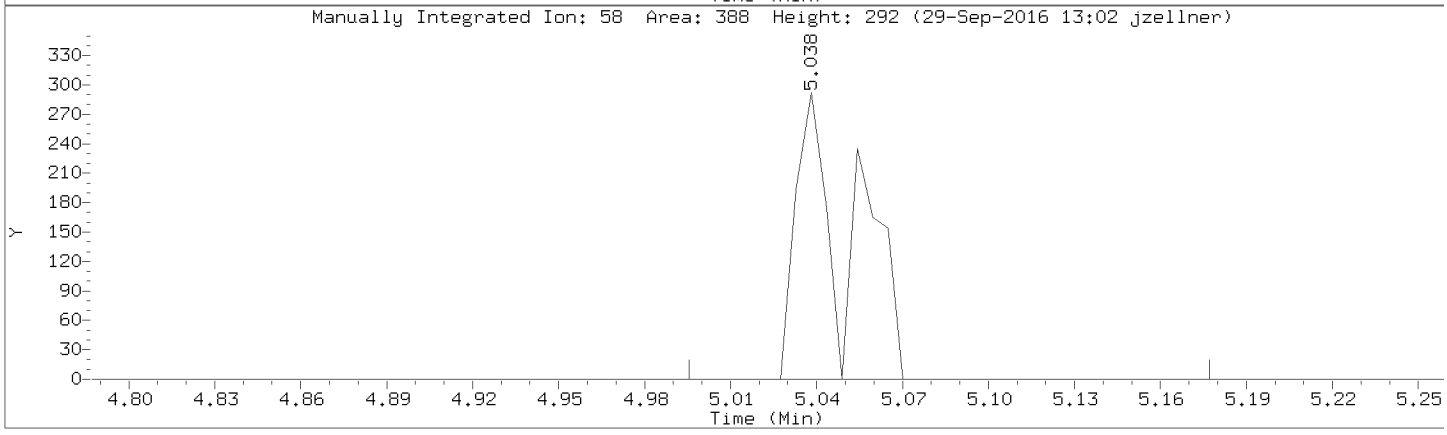
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: 1,4-Dioxane Review Code: NI
CAS Number:









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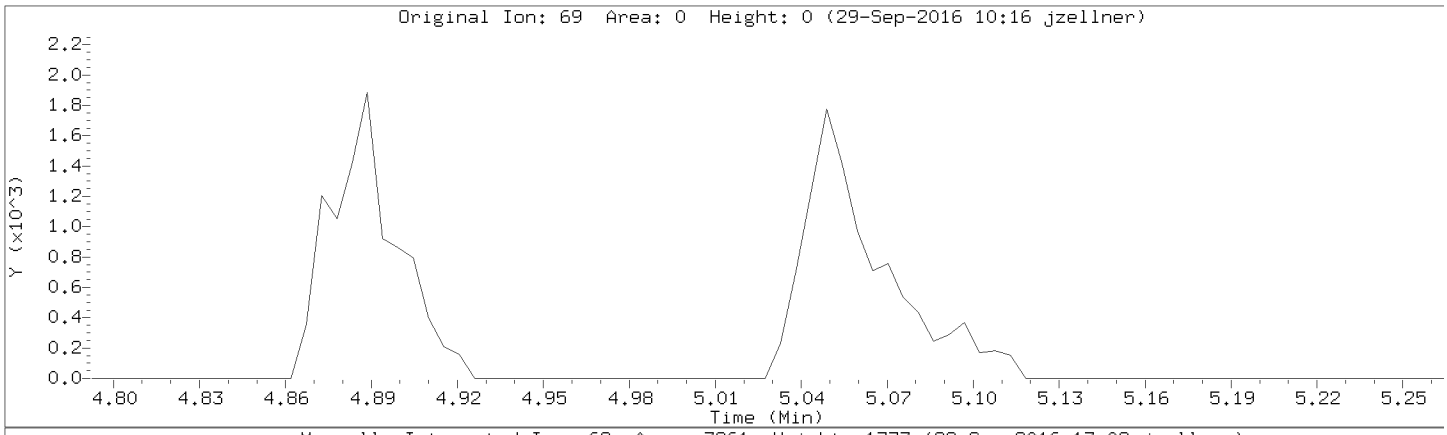
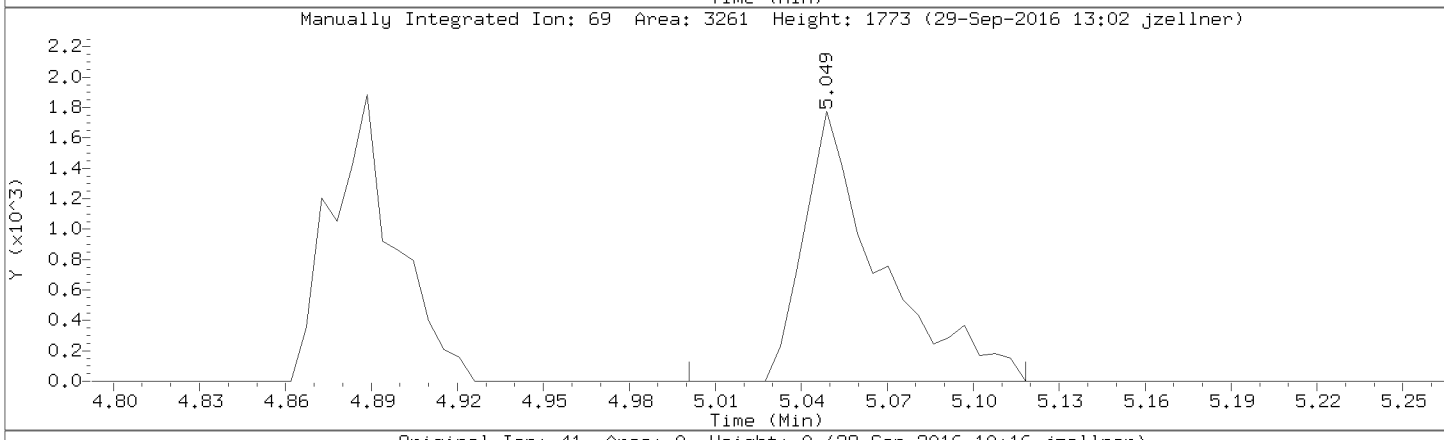
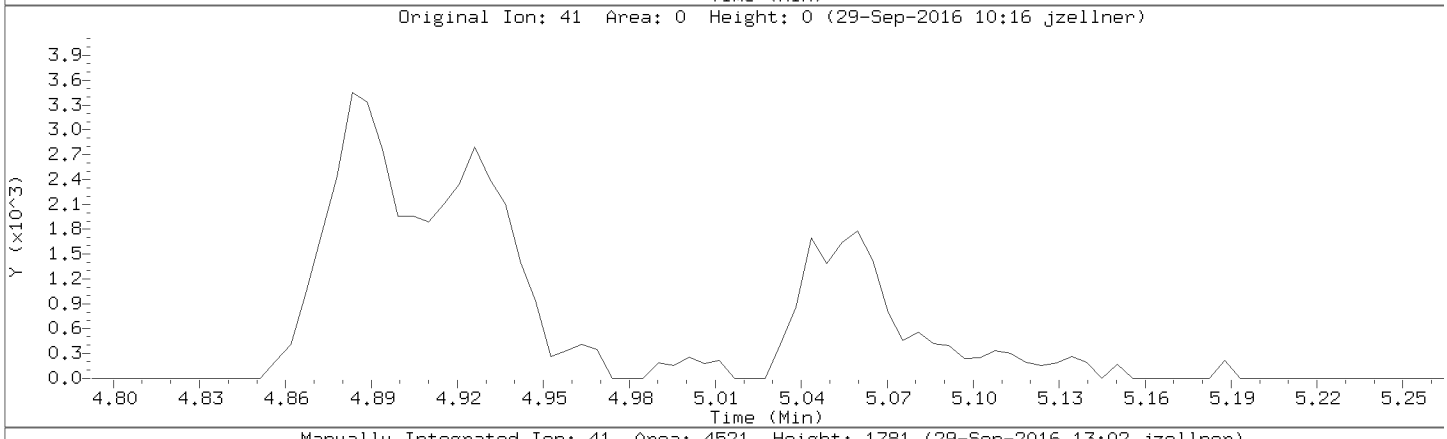
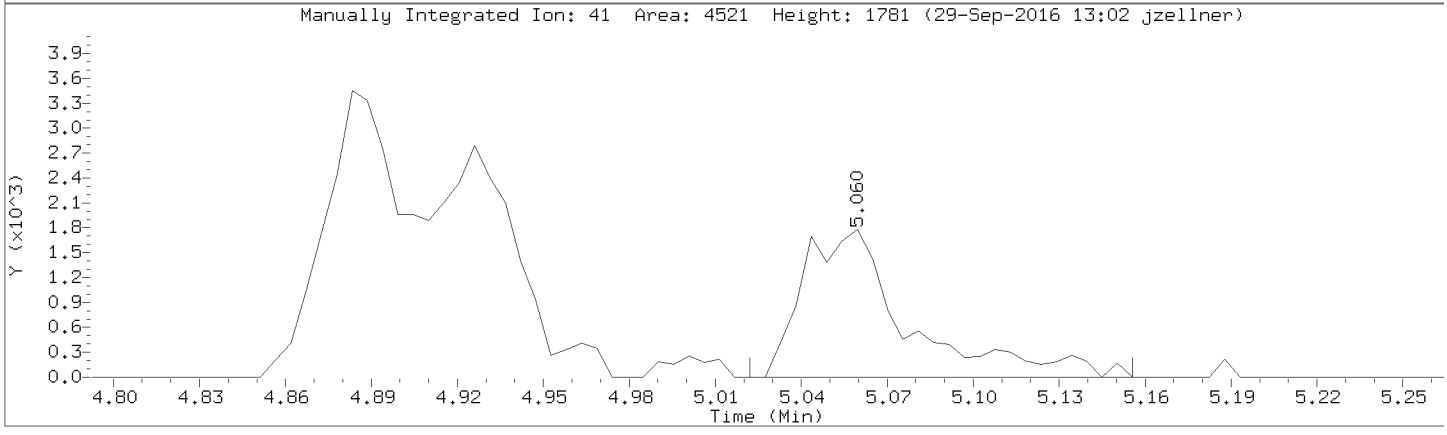
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6









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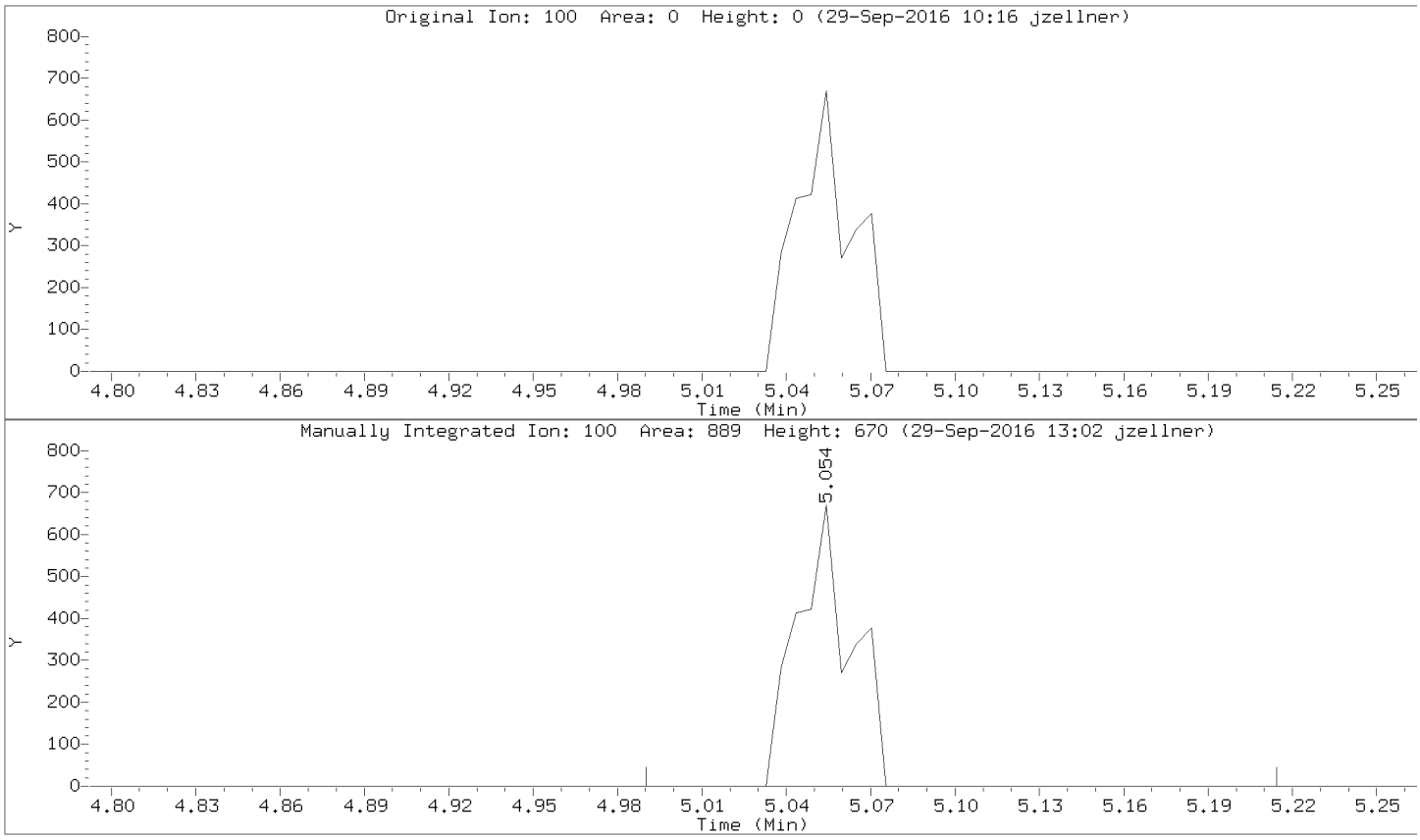
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



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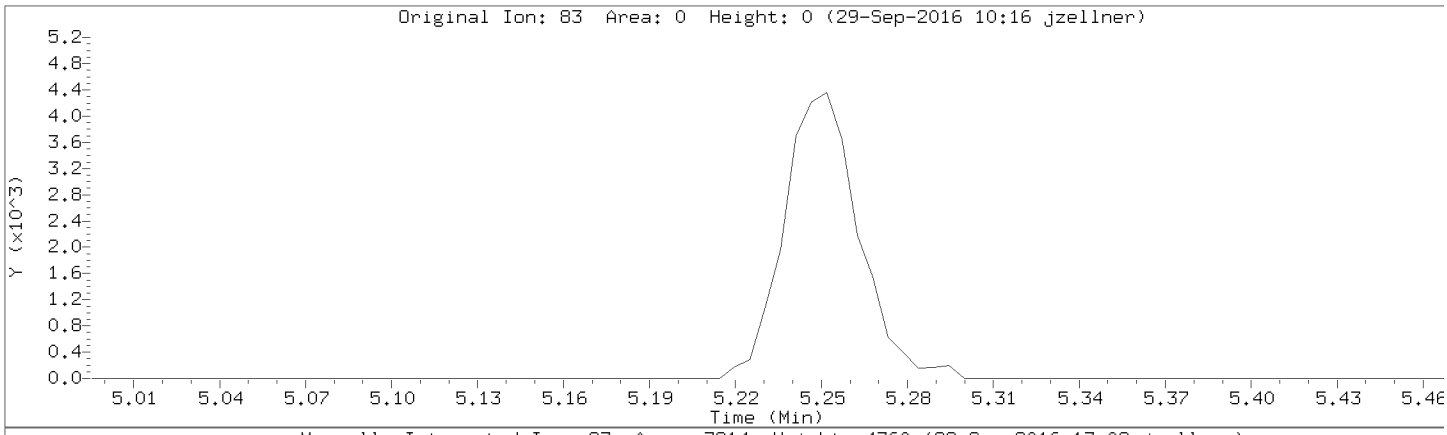
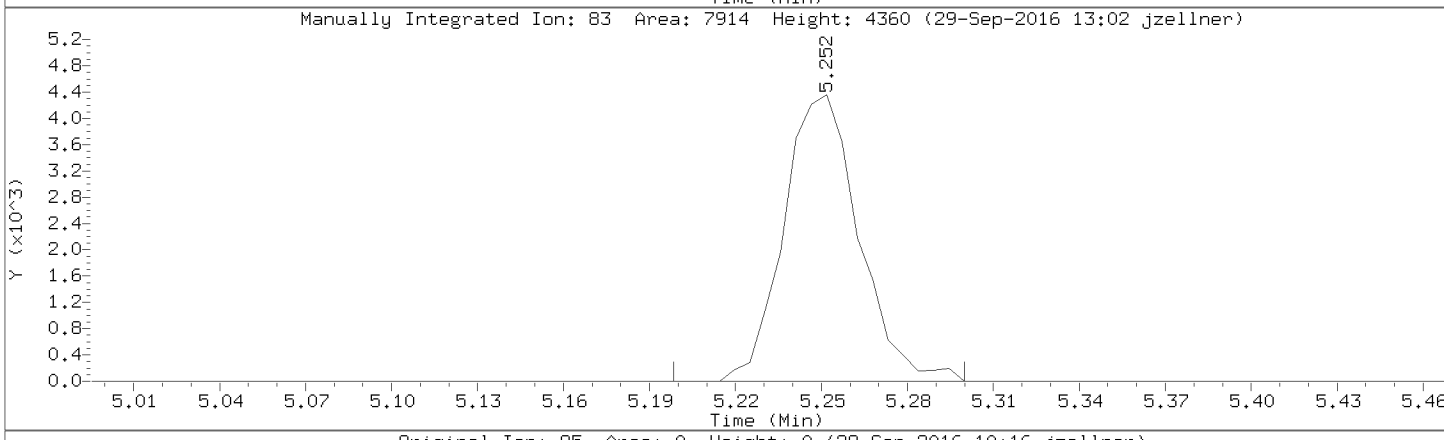
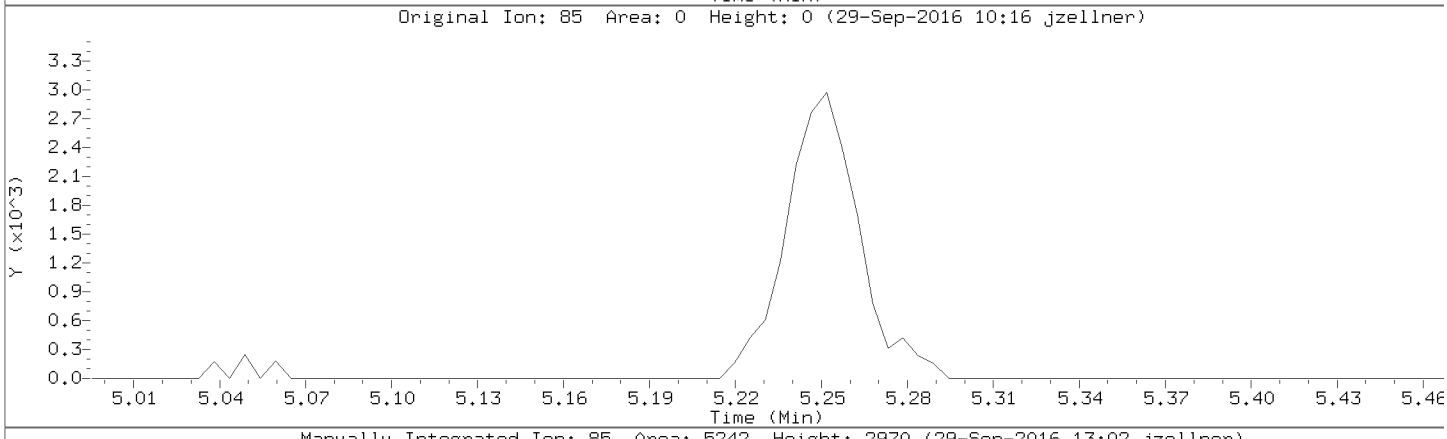
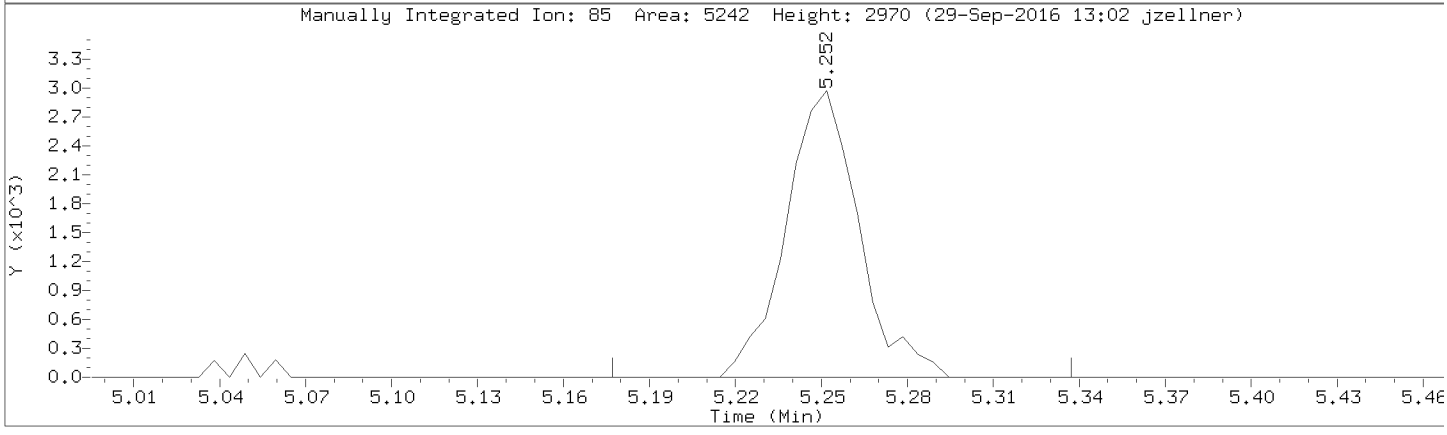
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4









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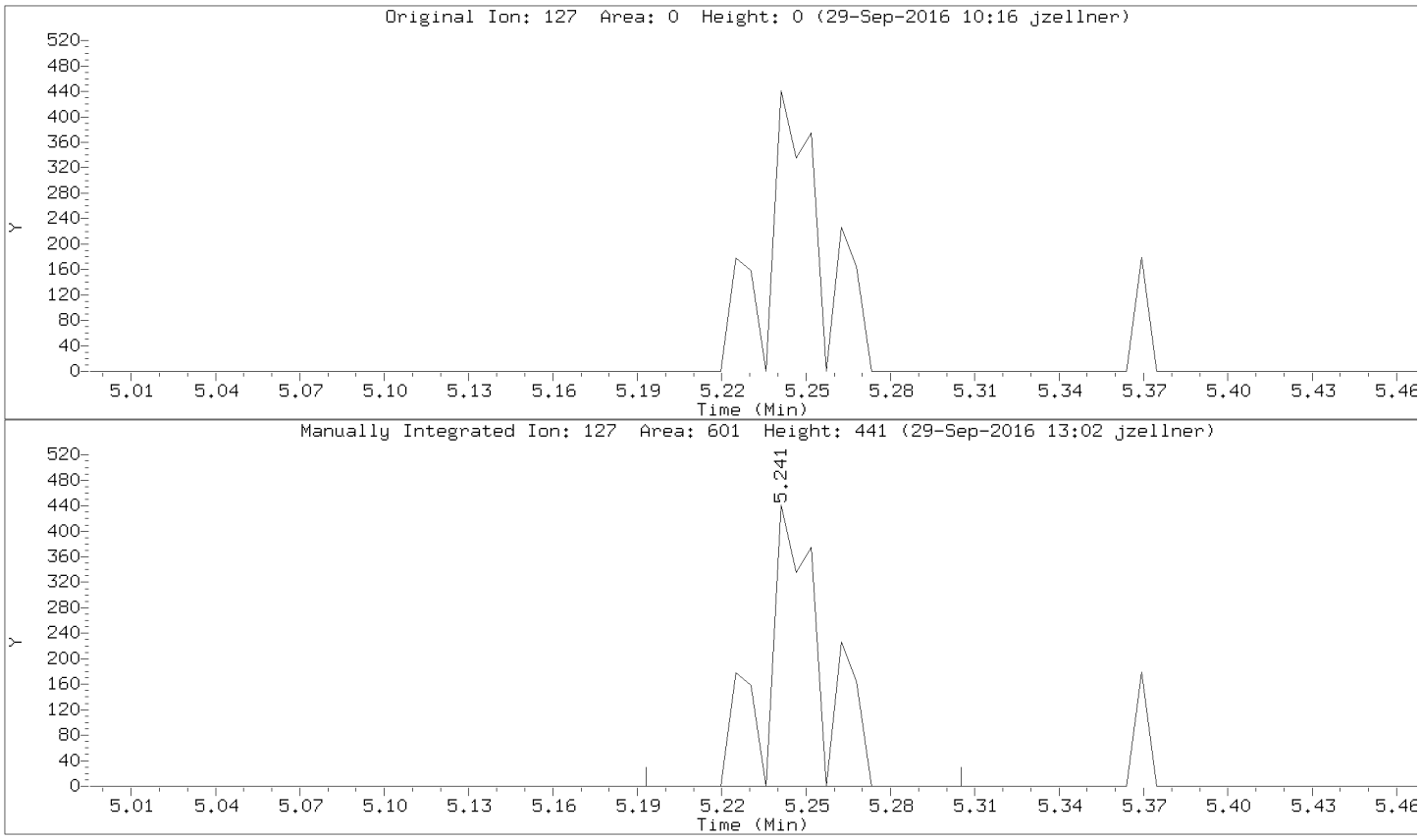
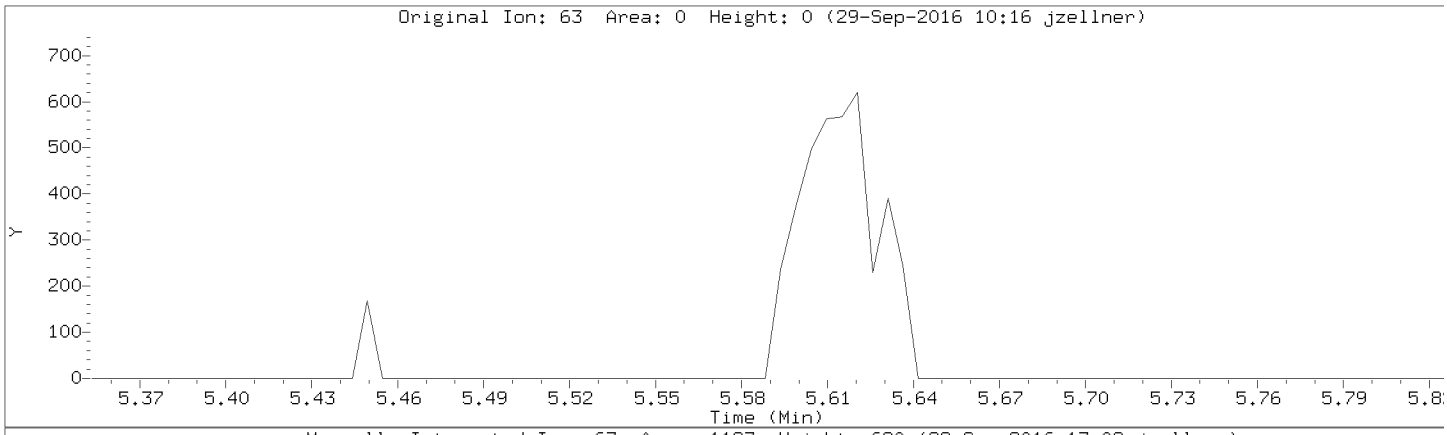
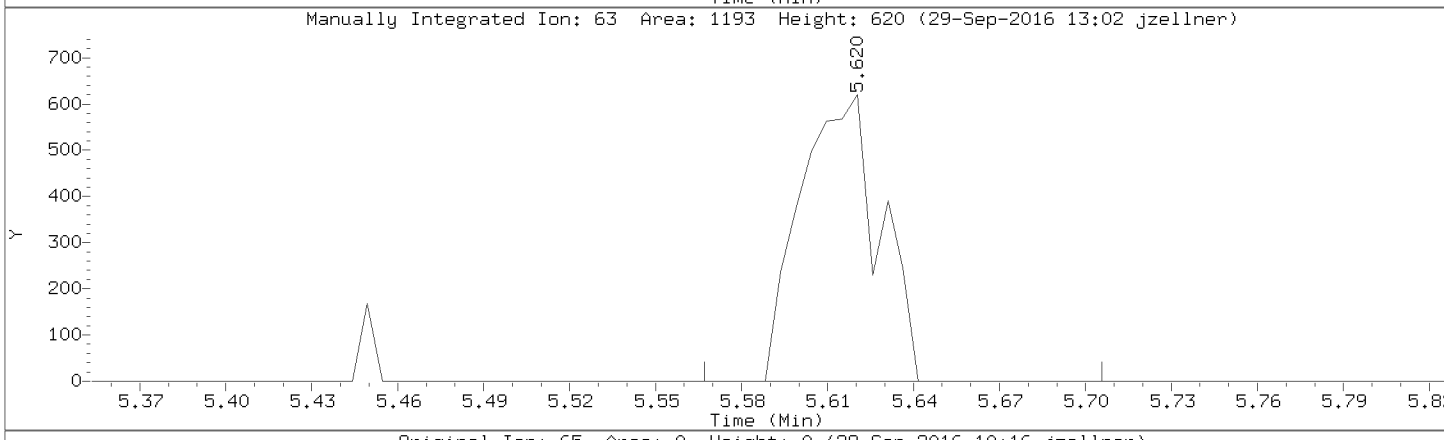
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

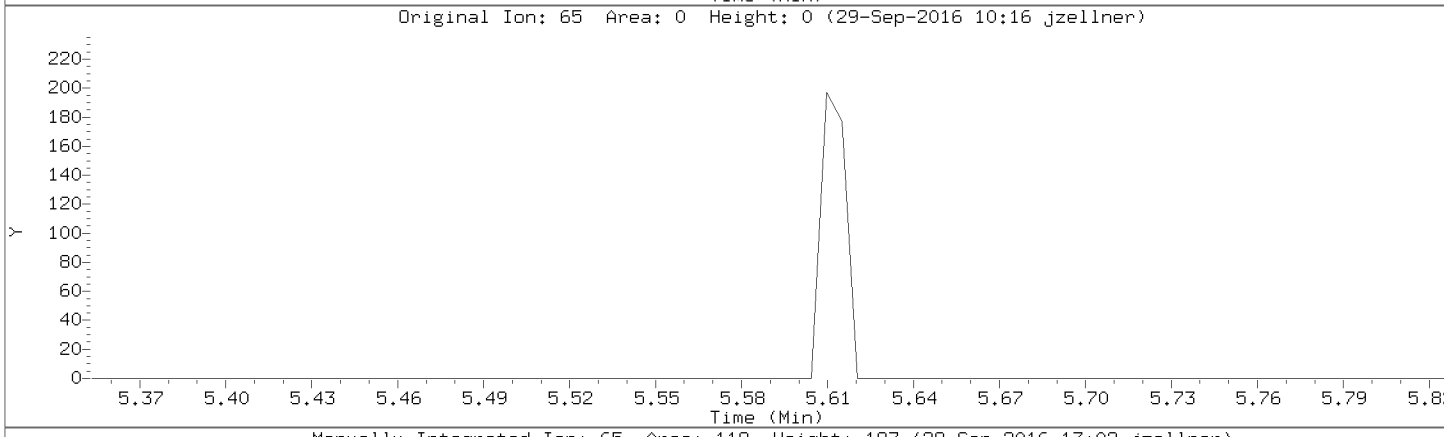


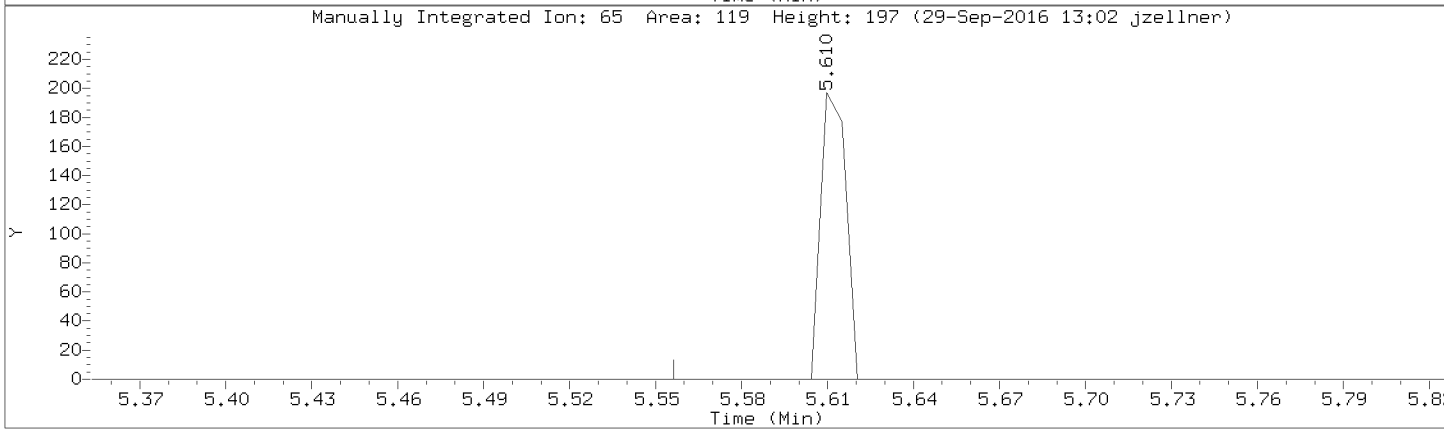
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a03cal.d
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: 2-Chloroethyl vinyl ether Review Code: NI
CAS Number: 110-75-8









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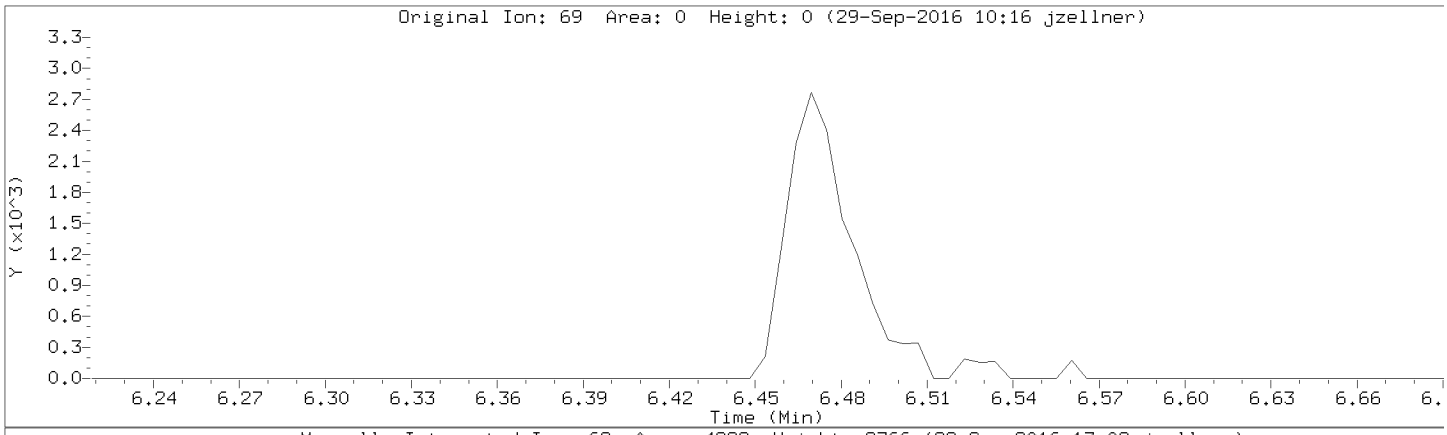
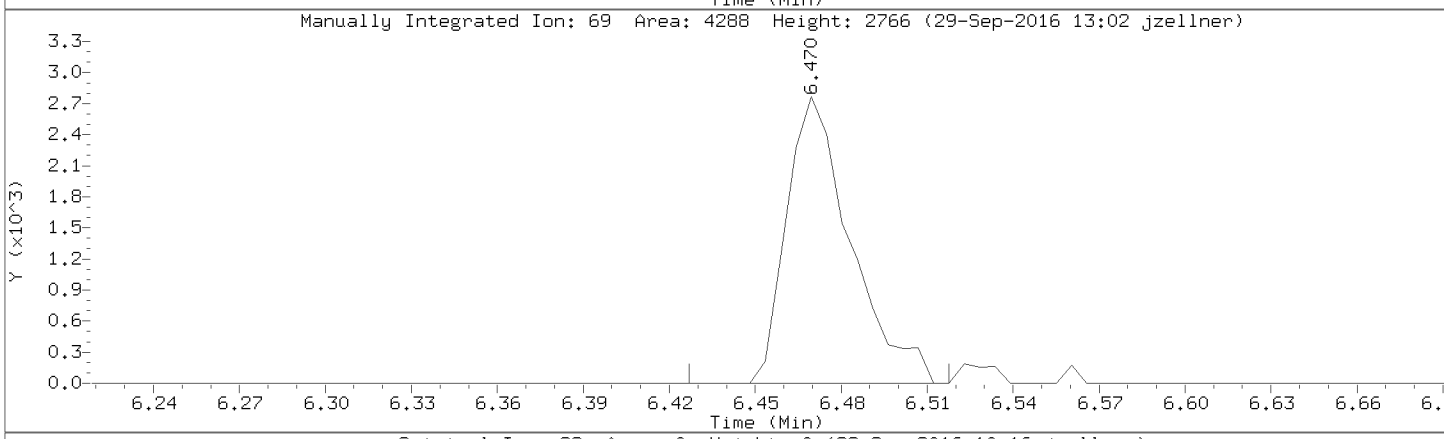
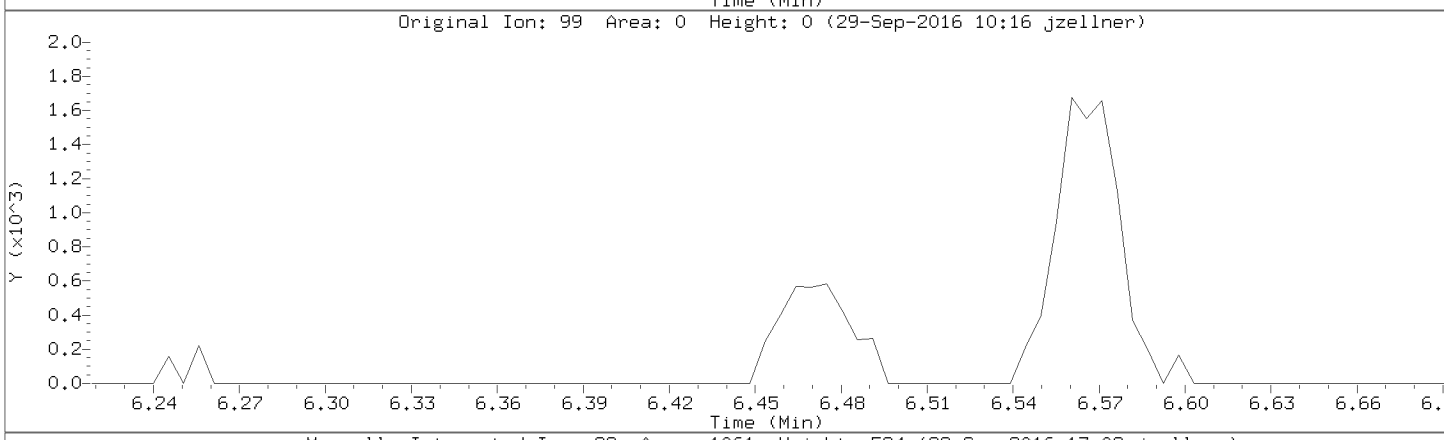
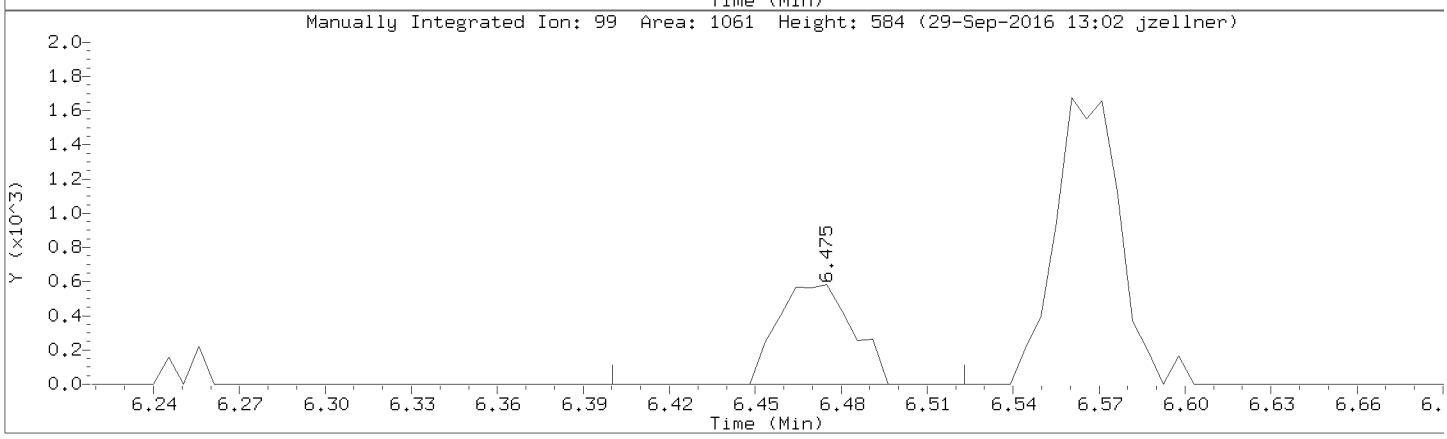
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:









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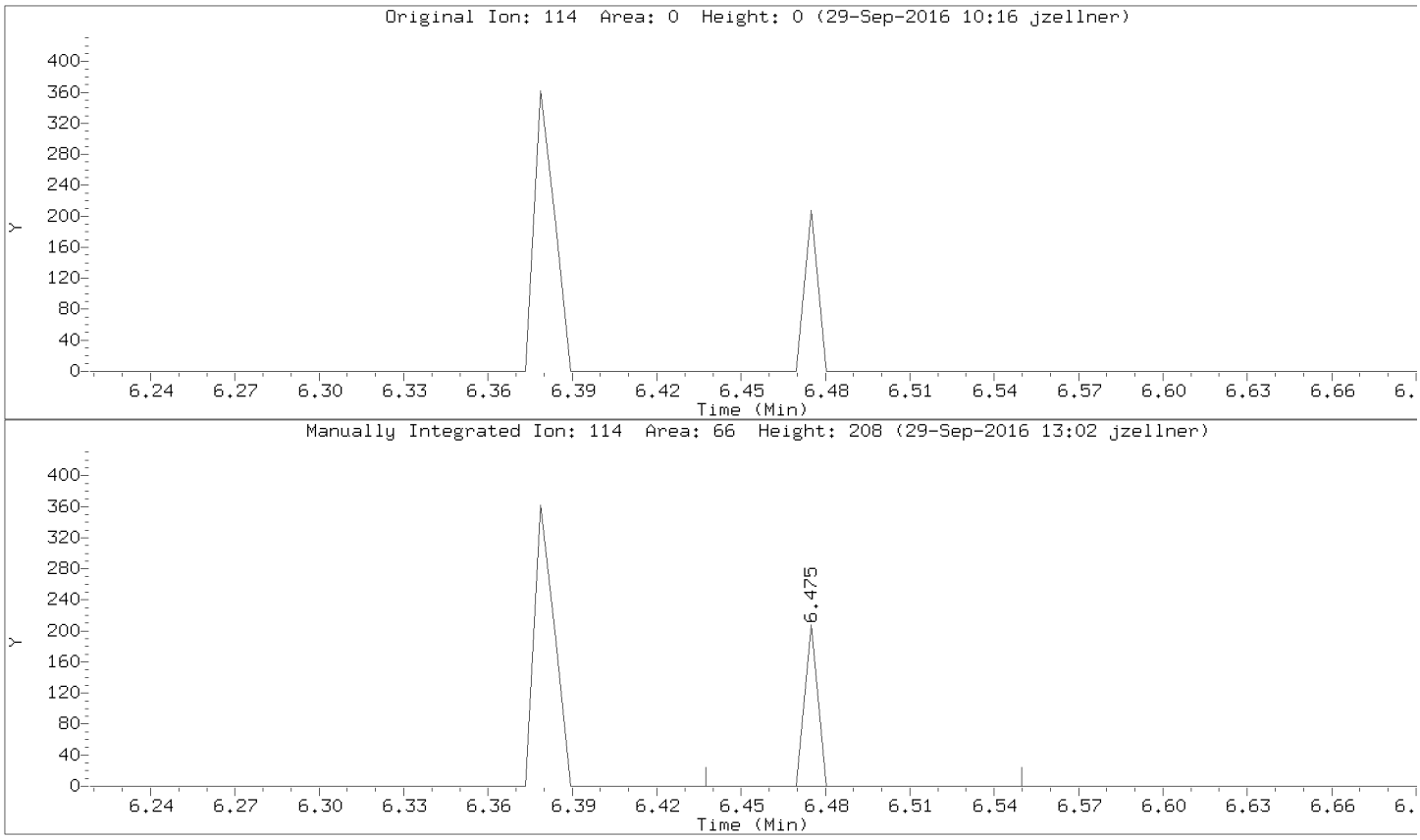
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



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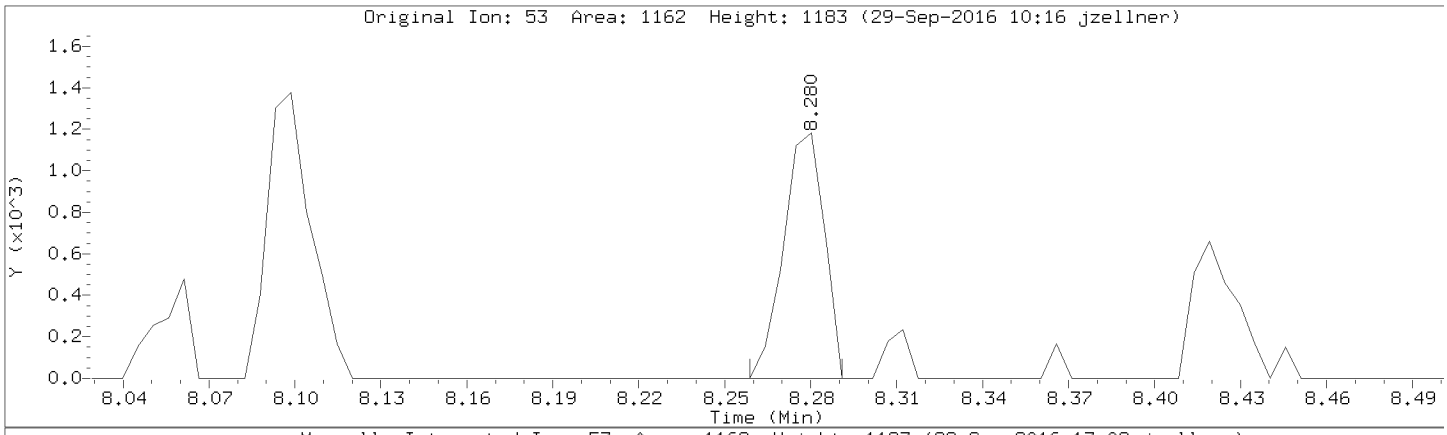
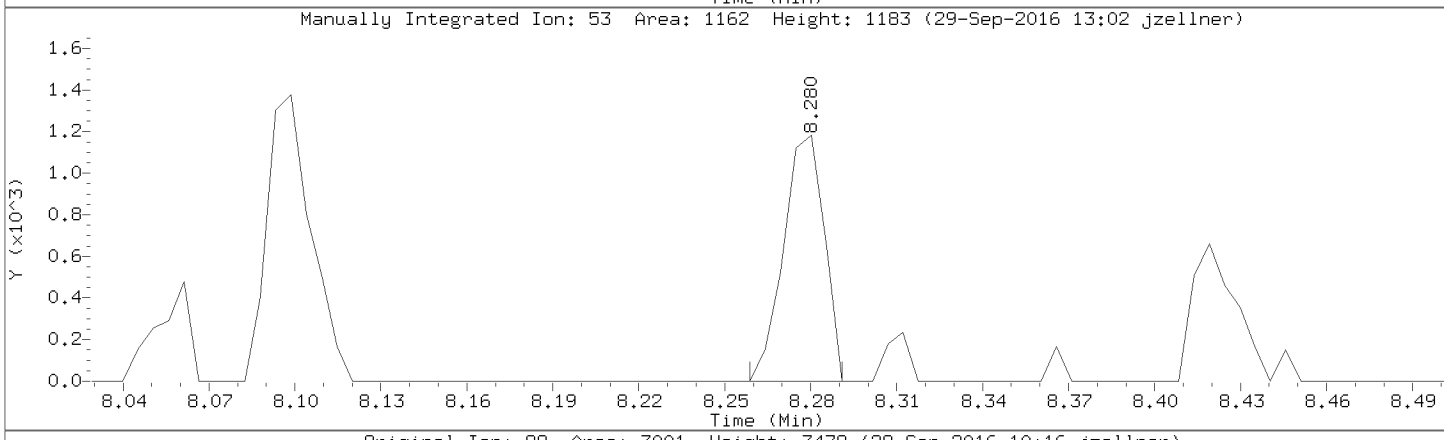
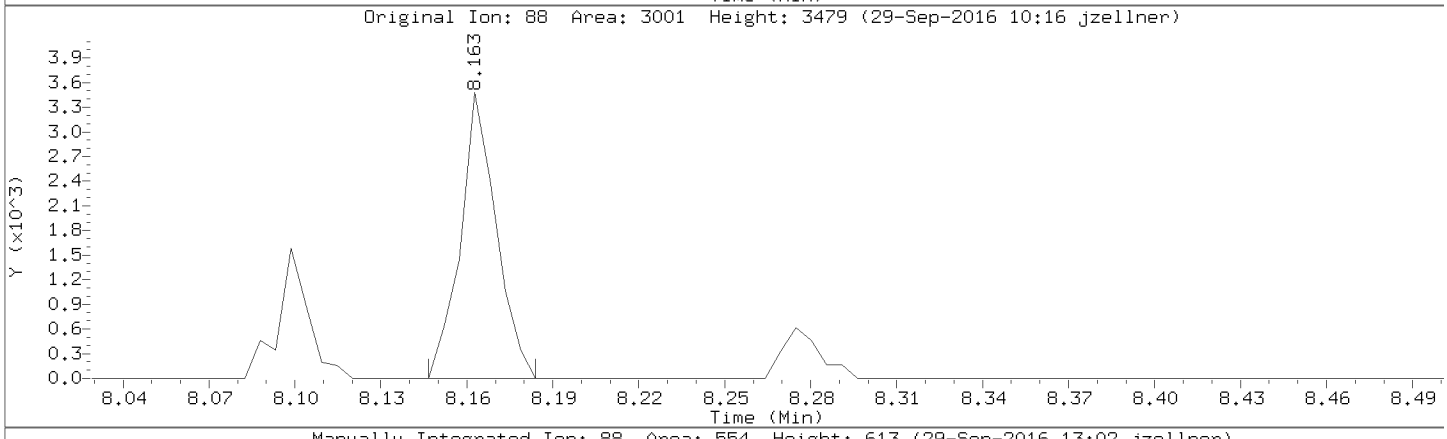
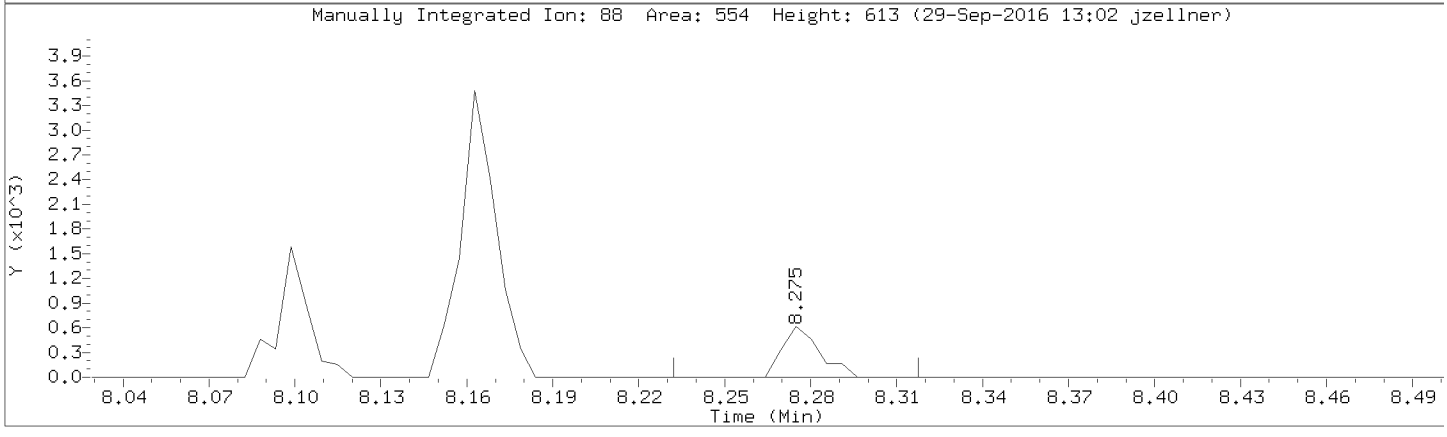
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: trans-1,4-Dichloro-2-butene Review Code: WP
CAS Number:









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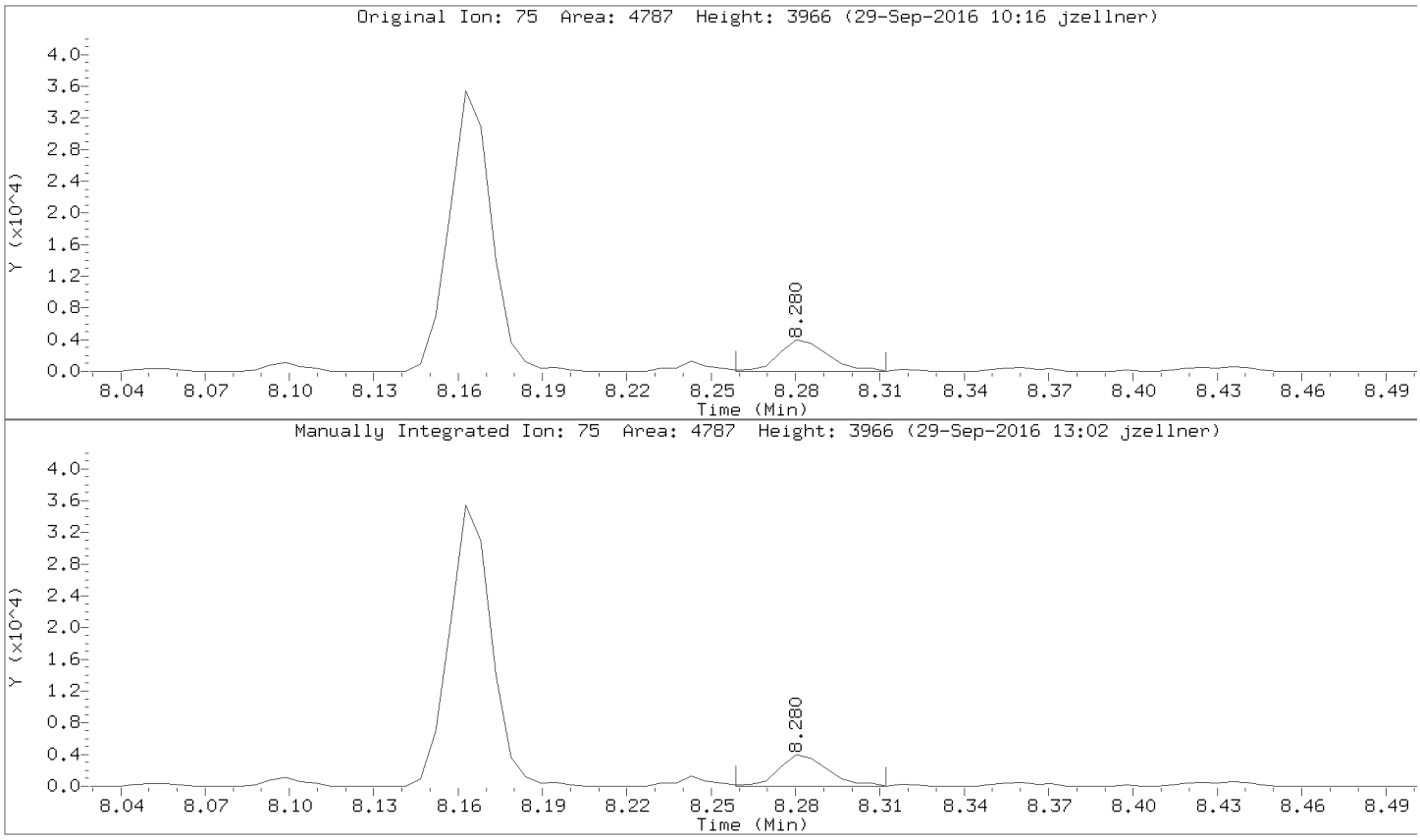
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



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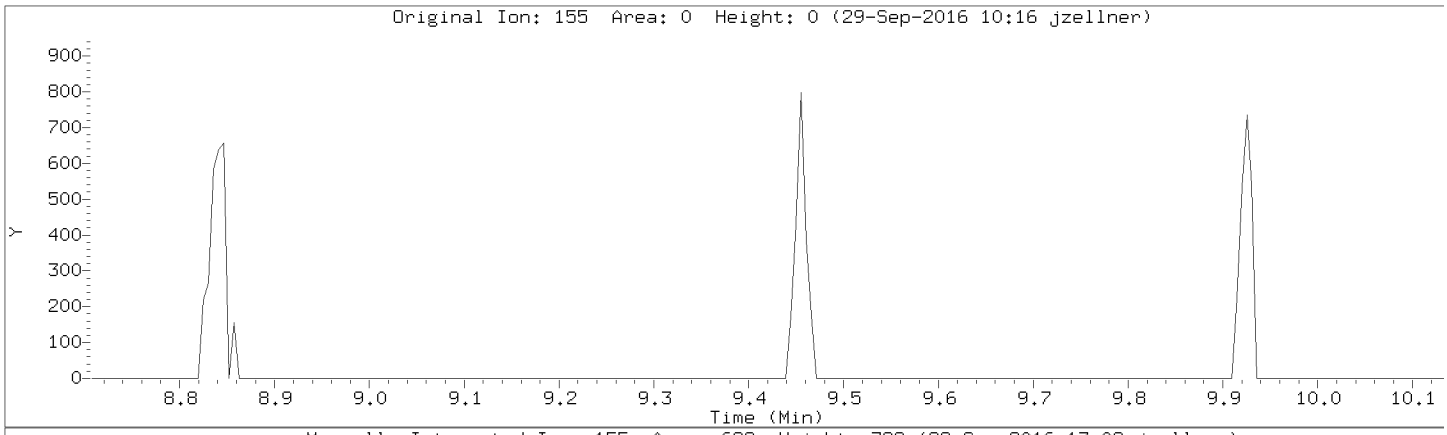
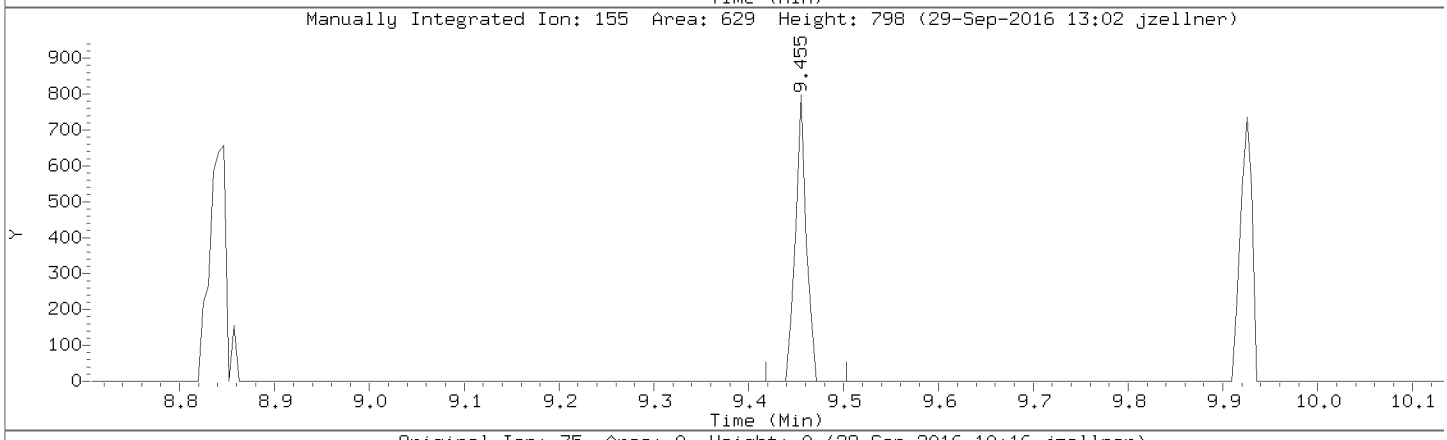
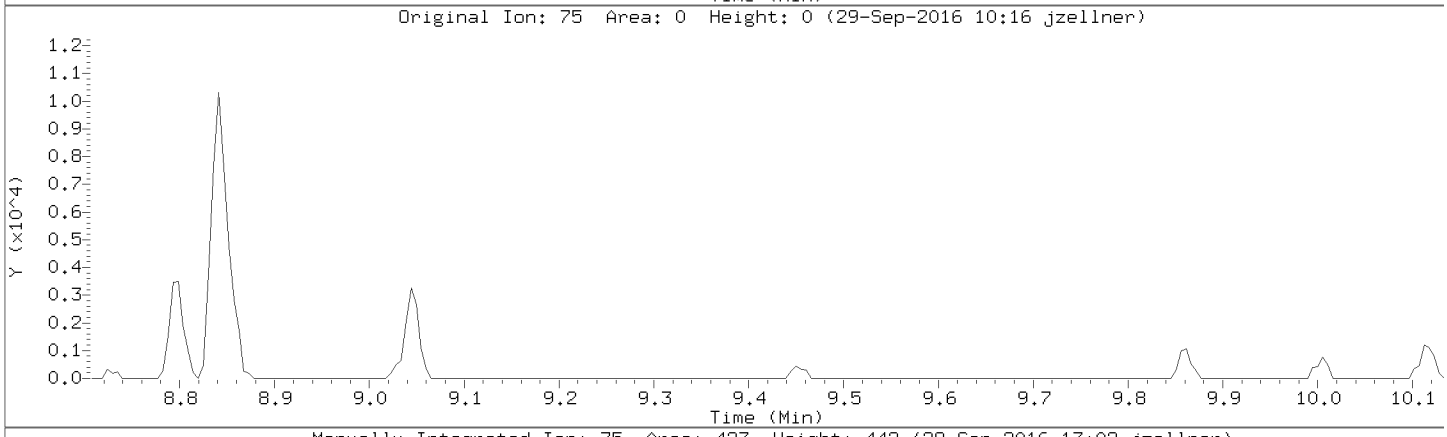
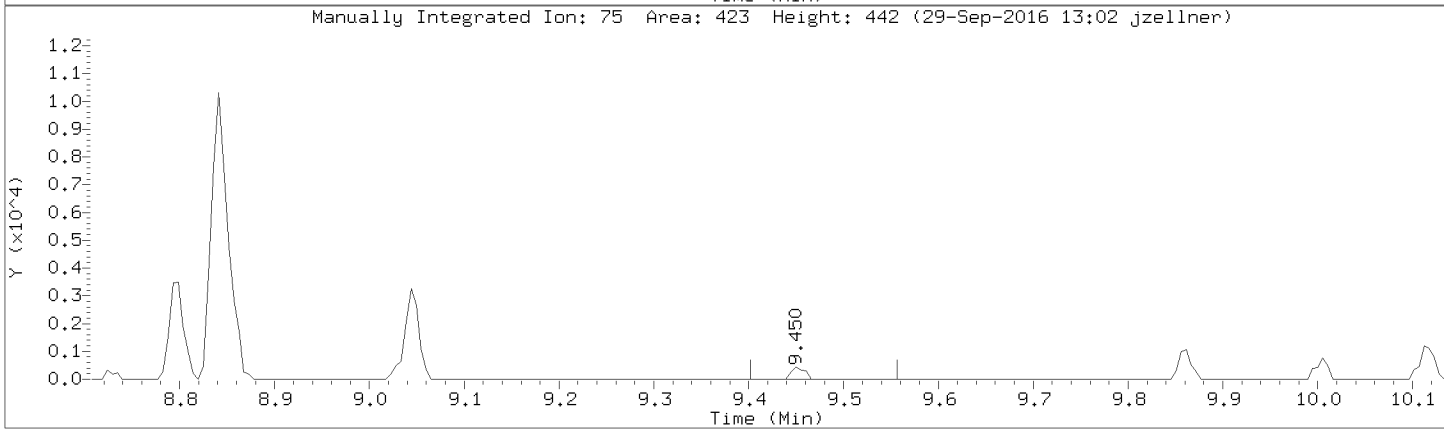
Injection Date: 28-SEP-2016 19:34
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0

Compound: 1,2-Dibromo-3-chloropropane Review Code: NI
CAS Number: 96-12-8









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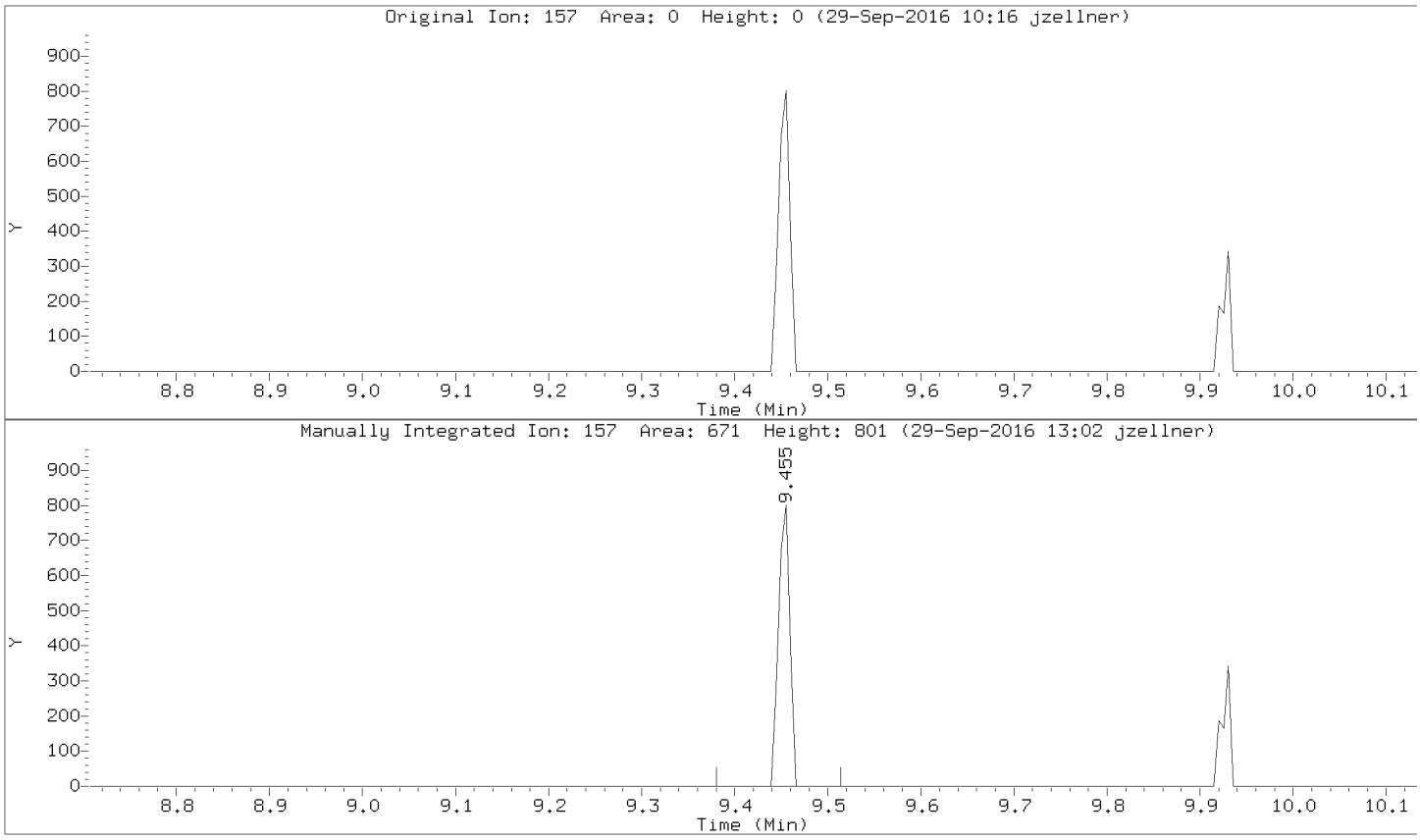
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,131978:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a04cal.d
Lab Smp Id: 8260-CAL4,131979:0
Inj Date : 28-SEP-2016 20:06
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal4,131979:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 20:06 Cal File: a04cal.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.908	0.906	(0.218)	17416	10.0000	9.99	
2	Chloromethane	50	0.994	0.992	(0.239)	20414	10.0000	9.54	
3	Vinyl Chloride	62	1.036	1.034	(0.249)	22709	10.0000	10.1	
4	Bromomethane	94	1.181	1.184	(0.283)	10213	10.0000	9.82	
5	Chloroethane	64	1.229	1.227	(0.295)	13236	10.0000	9.97	
6	Trichlorofluoromethane	101	1.341	1.344	(0.322)	26515	10.0000	10.6	
7	Diethyl ether	74	1.464	1.467	(0.351)	10667	10.0000	11.0	
8	1,2-dichlorotrifluoroethane	67	1.480	1.483	(0.355)	25003	10.0000	11.5	
9	Acrolein	56	1.538	1.537	(0.369)	32247	200.000	187	
10	1,1,2trichlorotrifluoroethane	101	1.592	1.590	(0.382)	21214	10.0000	11.5	
11	1,1-Dichloroethene	96	1.597	1.595	(0.383)	16730	10.0000	11.0	
12	Acetone	43	1.602	1.606	(0.385)	16432	50.0000	53.6	
13	Iodomethane	142	1.683	1.681	(0.404)	29565	20.0000	20.7	
14	Carbon Disulfide	76	1.731	1.729	(0.415)	51017	10.0000	10.9	
15	Methyl Acetate	43	1.773	1.772	(0.426)	8494	10.0000	9.18	
16	allyl chloride	41	1.789	1.788	(0.430)	67326	20.0000	22.7	
17	Acetonitrile	39	1.789	1.788	(0.430)	48465	10.0000	11.3	
18	Methylene Chloride	84	1.864	1.863	(0.448)	19369	10.0000	10.1	
19	Acrylonitrile	53	1.998	1.996	(0.480)	15666	40.0000	40.0	
20	Methyl-tert-butyl ether	73	2.024	2.028	(0.486)	44575	10.0000	10.9	
21	tert-Butyl Alcohol	59	1.907	1.905	(0.458)	2259	20.0000	19.2(QM)	WP
22	1,2-Dichloroethene (trans)	96	2.035	2.039	(0.489)	17765	10.0000	10.4	
23	n-Hexane	57	2.222	2.220	(0.533)	37165	10.0000	11.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.329	2.332	(0.559)	100450	40.0000	37.5	
	25 1,1-Dichloroethane	63	2.340	2.343	(0.562)	34042	10.0000	10.6	
	26 Chloroprene	53	2.398	2.396	(0.576)	37154	10.0000	11.2	
	27 2-Butanone	72	2.804	2.802	(0.673)	6102	50.0000	53.3(Q)	
	28 1,2-Dichloroethene (cis)	96	2.815	2.818	(0.676)	19191	10.0000	10.5	
	29 2,2-Dichloropropane	77	2.815	2.824	(0.676)	26797	10.0000	10.6	
	30 Propionitrile	54	2.884	2.861	(0.692)	1261	10.0000	10.0(Q)	
	31 Methacrylonitrile	41	3.002	3.005	(0.721)	7864	10.0000	10.4	
	32 Bromochloromethane	49	3.055	3.048	(0.733)	15240	10.0000	11.6	
	33 Tetrahydrofuran	42	3.071	3.069	(0.737)	3546	10.0000	10.3	
	34 Chloroform	83	3.157	3.155	(0.758)	31348	10.0000	10.6	
$	35 Dibromofluoromethane (S)	113	3.333	3.331	(0.800)	77342	50.0000	50.1	
	36 1,1,1-Trichloroethane	97	3.333	3.337	(0.800)	30006	10.0000	10.7	
	37 Cyclohexane	56	3.424	3.422	(0.822)	37480	10.0000	11.2	
	38 n-Butyl chloride	56	3.483	3.481	(0.836)	48485	10.0000	11.6	
	39 Carbon Tetrachloride	117	3.520	3.518	(0.845)	26340	10.0000	11.2	
	40 1,1-Dichloropropene	75	3.520	3.523	(0.845)	27577	10.0000	10.9	
	41 Benzene	78	3.771	3.764	(0.905)	76706	10.0000	10.9	
	42 1,2-Dichloroethane	62	3.856	3.849	(0.926)	23016	10.0000	10.8	
	43 2,2,4-Trimethylpentane	57	3.942	3.945	(0.946)	94160	10.0000	11.1	
	44 Isobutyl alcohol	43	3.883	3.881	(0.932)	124139	10.0000	10.8	
*	45 Fluorobenzene (IS)	96	4.166	4.164	(1.000)	341457	50.0000		
	46 Trichloroethene	95	4.620	4.618	(1.109)	19192	10.0000	10.8	
	47 Methylcyclohexane	55	4.887	4.885	(1.173)	30351	10.0000	11.1	
	48 1,2-Dichloropropane	63	4.925	4.923	(1.182)	17911	10.0000	10.9	
	49 Dibromomethane	93	5.026	5.019	(1.206)	8042	10.0000	10.7	
	50 1,4-Dioxane	88	5.031	5.035	(1.208)	2059	200.000	256(M)	NI
	51 Methyl methacrylate	69	5.042	5.040	(1.210)	7534	10.0000	10.2	
	52 Bromodichloromethane	83	5.250	5.243	(1.260)	19941	10.0000	10.5	
	53 2-Chloroethyl vinyl ether	63	5.603	5.601	(0.763)	2076	20.0000	18.6(M)	NI
	54 cis-1,3-Dichloropropene	75	5.742	5.745	(0.782)	20896	10.0000	10.2	
	55 4-Methyl-2-Pentanone	43	5.918	5.916	(0.806)	49130	50.0000	52.4	
$	56 Toluene-d8 (S)	98	6.020	6.018	(0.820)	274856	50.0000	48.8	
	57 Toluene	91	6.094	6.092	(0.830)	69531	10.0000	10.4	
	58 trans-1,3-Dichloropropene	75	6.383	6.381	(0.869)	16951	10.0000	10.2	
	59 Ethyl Methacrylate	69	6.468	6.466	(0.881)	12419	10.0000	10.1(M)	NI
	60 1,1,2-Trichloroethane	83	6.564	6.563	(0.894)	8641	10.0000	10.9	
	61 Tetrachloroethene	166	6.618	6.616	(0.901)	17129	10.0000	11.3	
	62 1,3-Dichloropropane	76	6.703	6.707	(0.913)	17684	10.0000	10.6	
	63 2-Hexanone	43	6.778	6.776	(0.923)	30465	50.0000	51.2	
	64 Dibromochloromethane	129	6.890	6.888	(0.938)	12304	10.0000	11.0	
	65 1,2-Dibromoethane	107	6.976	6.974	(0.950)	9090	10.0000	10.6	
*	66 Chlorobenzene-D5 (IS)	117	7.344	7.342	(1.000)	181512	50.0000		
	67 Chlorobenzene	112	7.365	7.364	(1.003)	39954	10.0000	10.7	
	68 1,1,1,2-Tetrachloroethane	131	7.446	7.444	(1.014)	12518	10.0000	10.6	
	69 Ethylbenzene	106	7.451	7.449	(1.015)	22626	10.0000	11.0	
	70 m&p-Xylene	106	7.547	7.545	(1.028)	55025	20.0000	21.9	
	71 o-Xylene	106	7.809	7.807	(1.063)	25261	10.0000	10.8	
	72 Styrene	104	7.825	7.823	(1.065)	40769	10.0000	10.8	
	73 Bromoform	173	7.942	7.941	(0.898)	5852	10.0000	10.5	
	74 Isopropylbenzene	105	8.054	8.053	(1.097)	70760	10.0000	11.0	
$	75 4-Bromofluorobenzene (S)	95	8.161	8.165	(1.111)	78827	50.0000	48.7	
	76 Bromobenzene	77	8.241	8.245	(1.122)	23372	10.0000	11.0	
	77 1,1,2,2-Tetrachloroethane	83	8.257	8.256	(0.934)	11058	10.0000	11.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.273	8.277	(1.127)	2964	10.0000	10.0	
79	1,2,3-Trichloropropane	110	8.284	8.282	(0.937)	3945	10.0000	12.4(Q)	
80	n-Propylbenzene	91	8.311	8.309	(0.940)	79336	10.0000	11.1	
81	2-Chlorotoluene	91	8.359	8.362	(0.946)	42925	10.0000	10.7	
82	1,3,5-Trimethylbenzene	105	8.423	8.421	(0.953)	54590	10.0000	11.3	
83	4-Chlorotoluene	126	8.434	8.437	(0.954)	16044	10.0000	11.3	
84	tert-Butylbenzene	119	8.599	8.603	(0.973)	62265	10.0000	11.3	
85	1,2,4-Trimethylbenzene	105	8.637	8.635	(0.977)	53484	10.0000	11.0	
86	sec-Butylbenzene	105	8.727	8.726	(0.987)	72264	10.0000	11.0	
87	1,3-Dichlorobenzene	146	8.797	8.795	(0.995)	27203	10.0000	10.6	
88	p-Isopropyltoluene	119	8.813	8.811	(0.997)	60976	10.0000	11.2	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.843	(1.000)	79641	50.0000		
90	1,4-Dichlorobenzene	146	8.856	8.854	(1.002)	28167	10.0000	10.6	
91	n-Butylbenzene	91	9.032	9.030	(1.022)	55048	10.0000	11.1	
92	1,2-Dichlorobenzene	146	9.043	9.046	(1.023)	24407	10.0000	10.6	
93	1,2,4-Trichlorobenzene	180	9.860	9.858	(1.115)	16823	10.0000	11.0	
94	1,2-Dibromo-3-chloropropane	155	9.454	9.457	(1.069)	1395	10.0000	10.8	
95	Hexachlorobutadiene	225	9.924	9.927	(1.123)	10497	10.0000	11.2	
96	Naphthalene	128	9.999	10.002	(1.131)	34389	10.0000	11.0	
97	1,2,3-Trichlorobenzene	180	10.116	10.114	(1.144)	16612	10.0000	11.4	
98	2,methyl-naphthalene	142	10.634	10.632	(1.203)	21446	10.0000	10.5	
99	1-Methylnaphthalene	142	10.752	10.745	(1.216)	18839	10.0000	10.8	

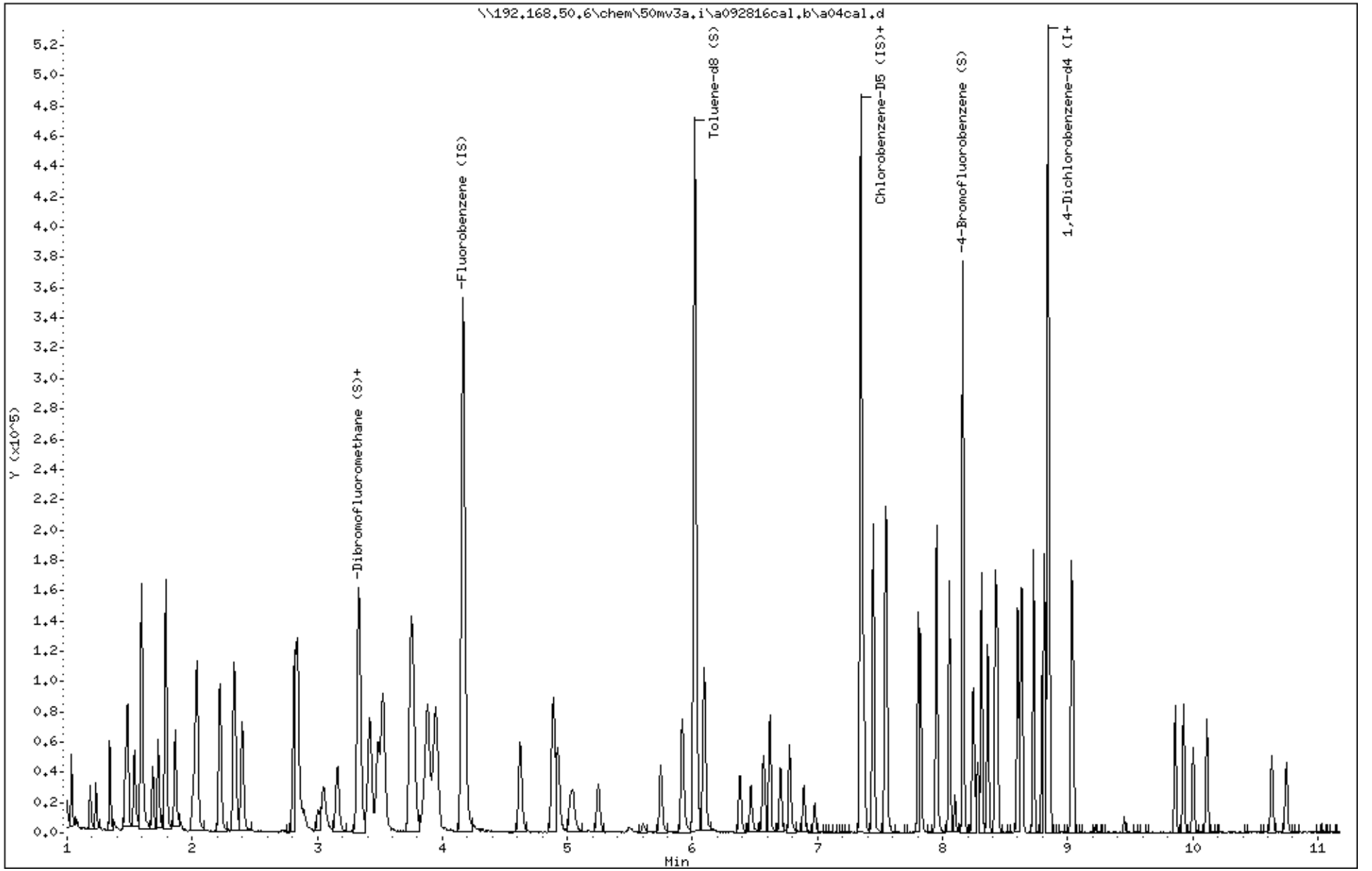
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

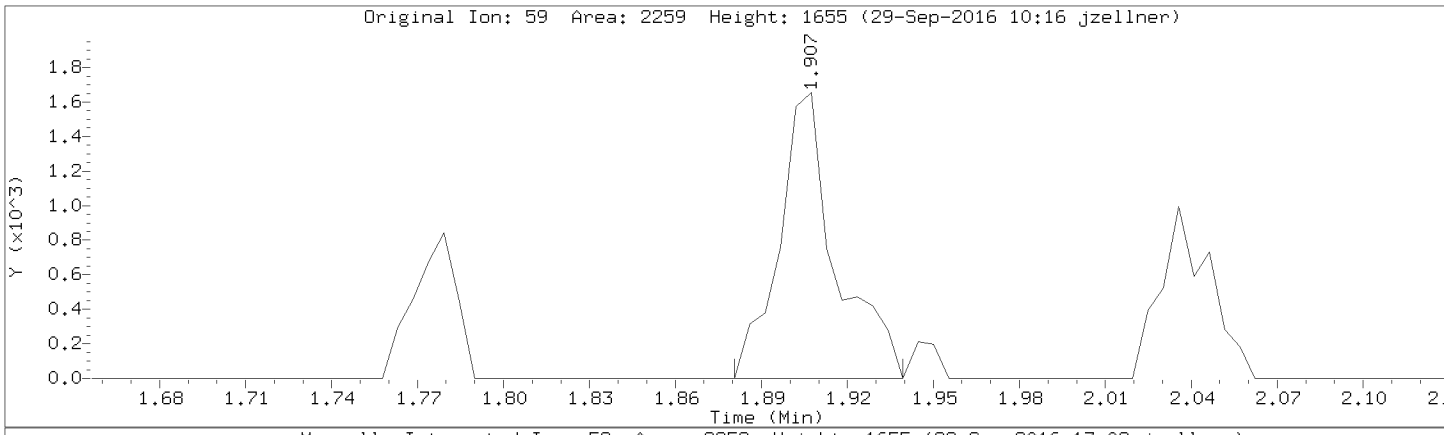
:
WP: Indicates that the wrong peak was chosen by the data system.
NI: Indicates that the peak was not integrated at all by the computer software.

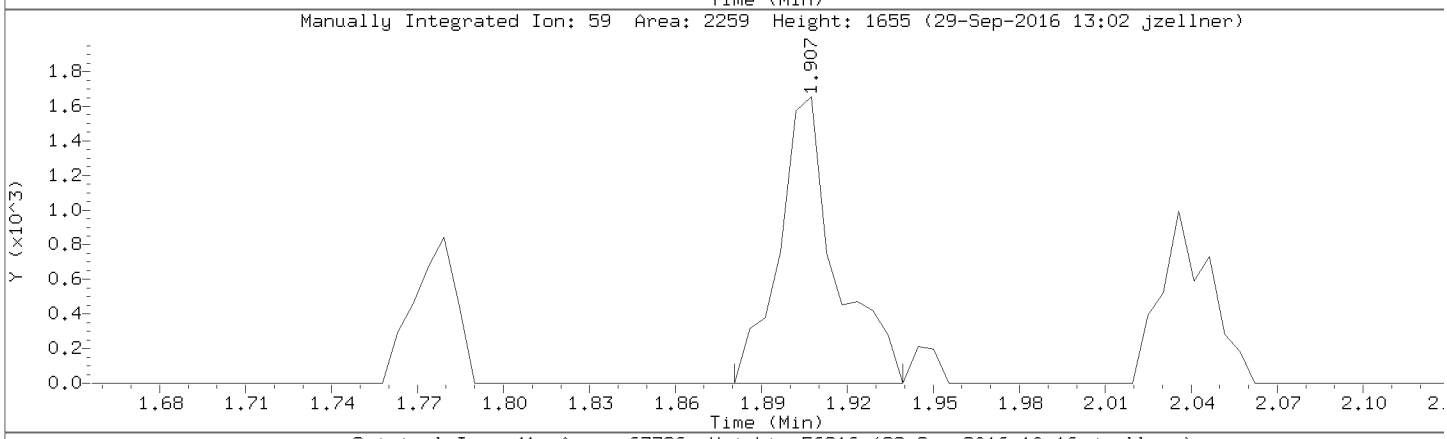
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a04cal.d
Date : 28-SEP-2016 20:06
Client ID:
Instrument: 50mv3a.i
Sample Info: 8260-CAL4,131979:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18

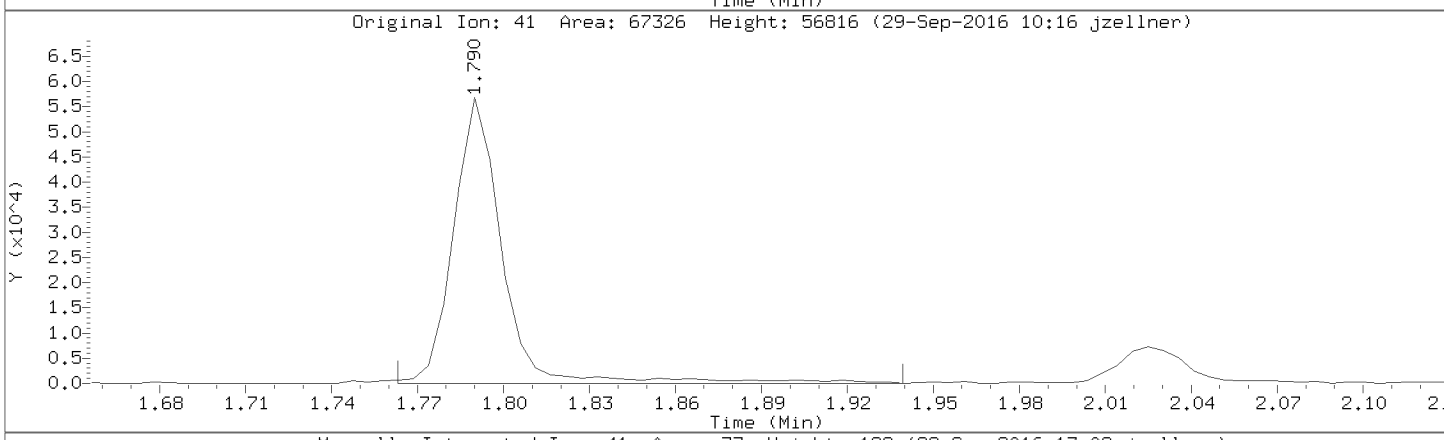


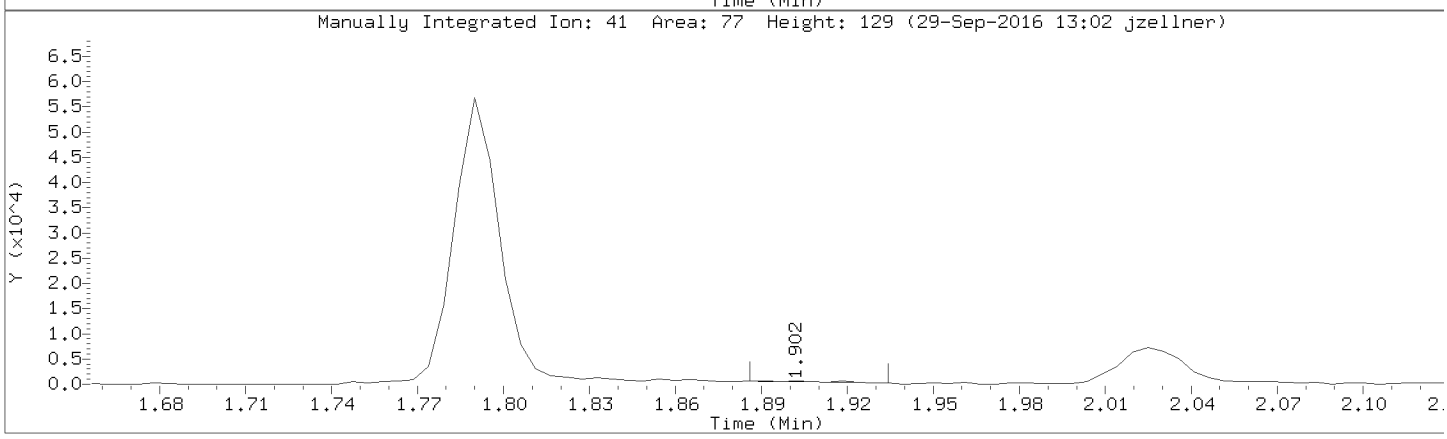
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a04cal.d
Injection Date: 28-SEP-2016 20:06
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,131979:0

Compound: tert-Butyl Alcohol Review Code: WP
CAS Number: 75-65-0



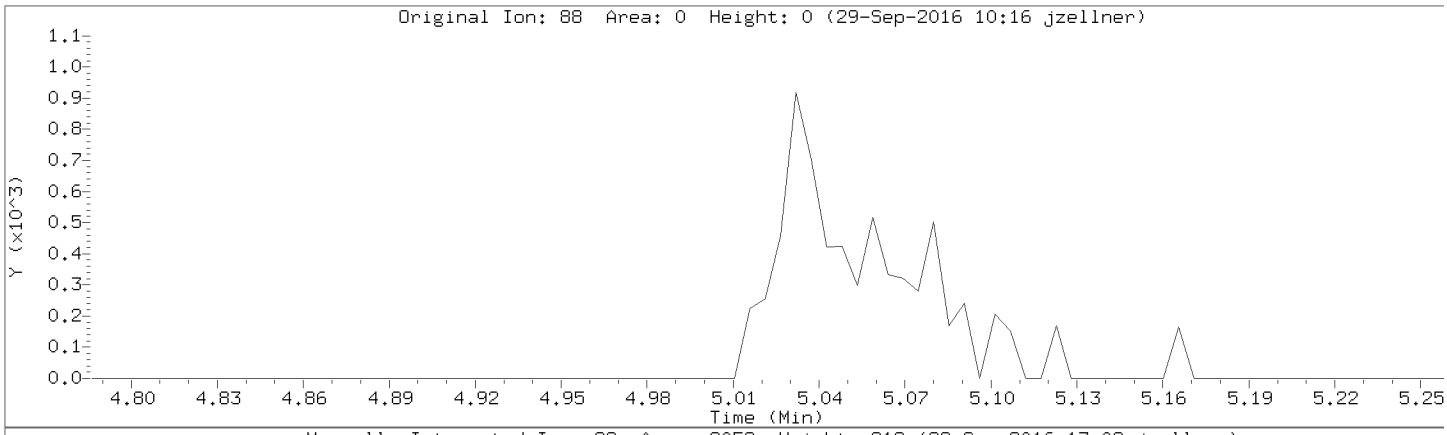


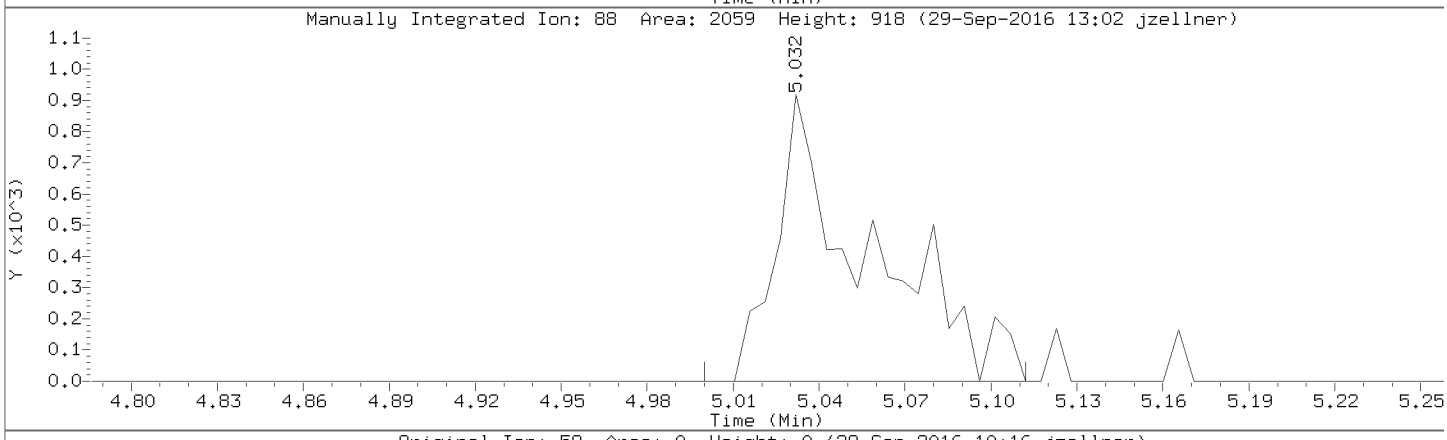


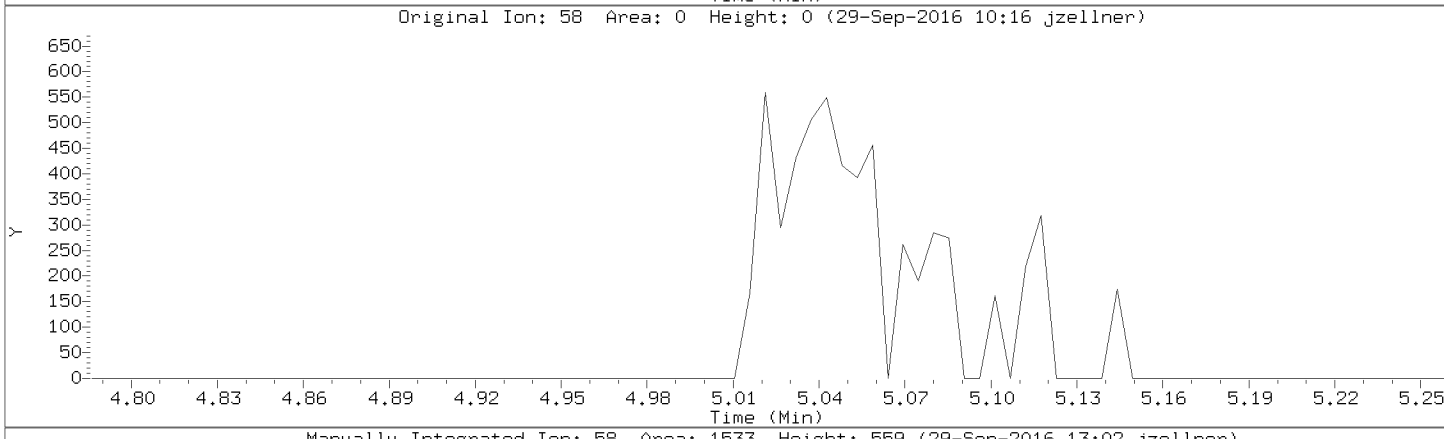


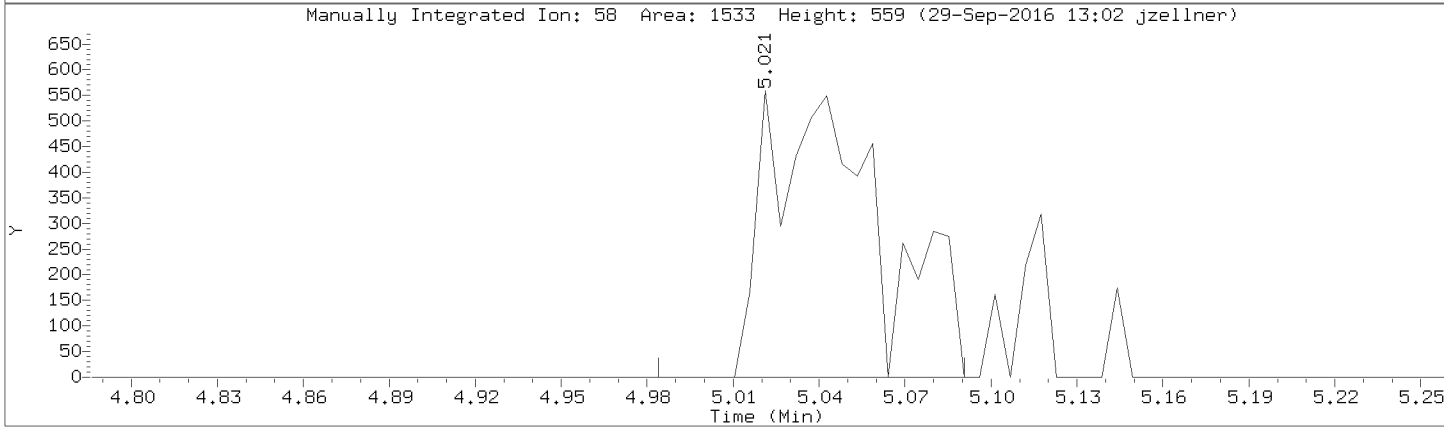
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a04cal.d
Injection Date: 28-SEP-2016 20:06
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,131979:0

Compound: 1,4-Dioxane Review Code: NI
CAS Number:



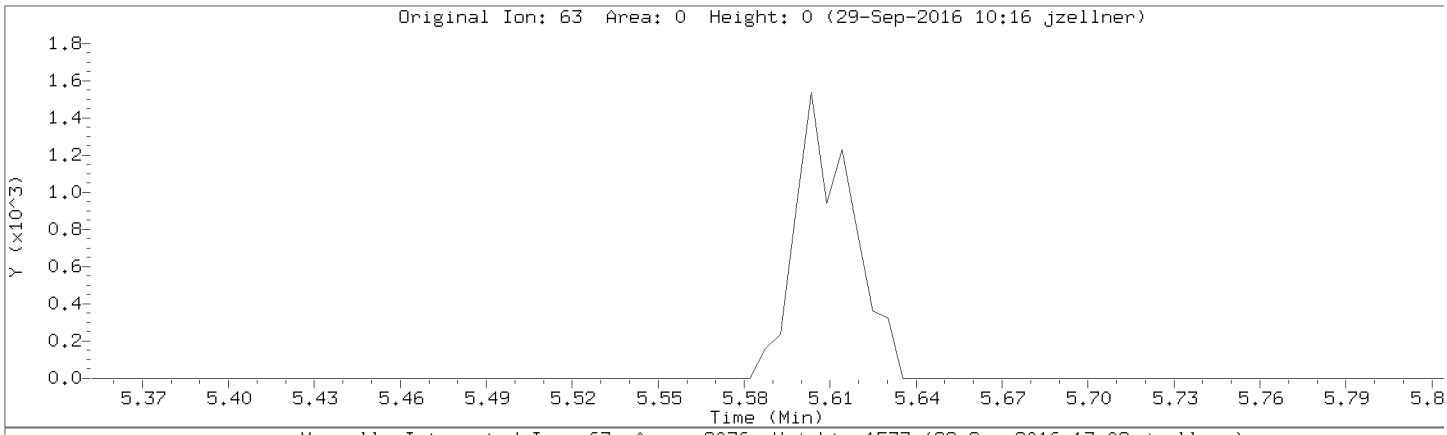


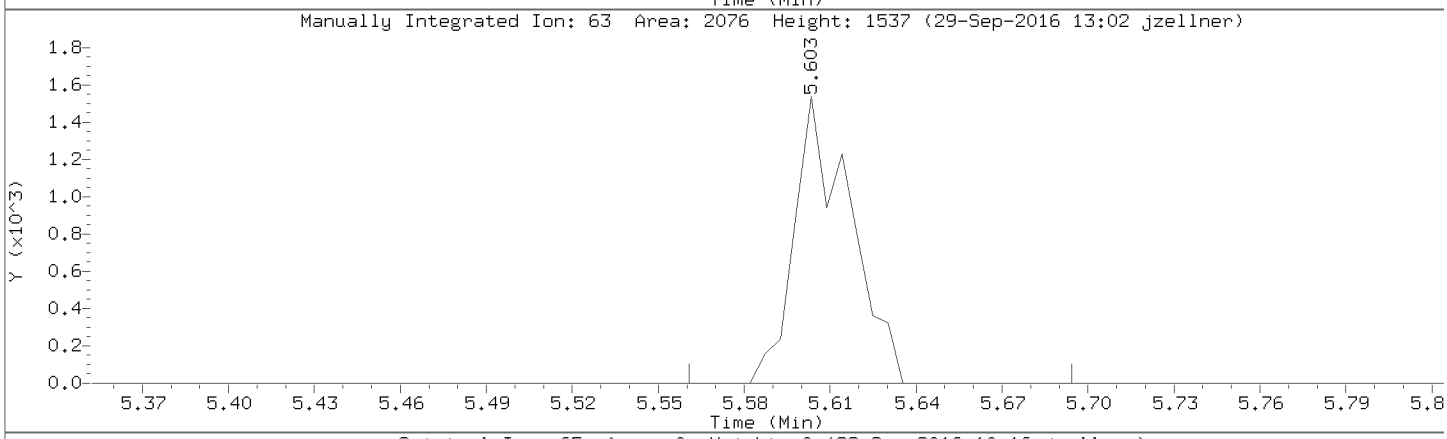


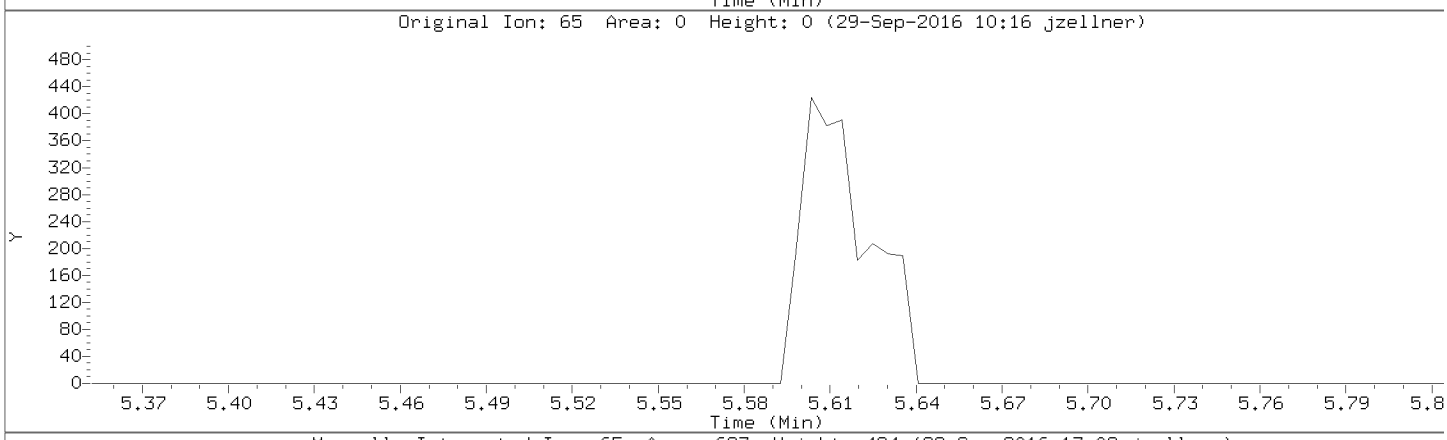


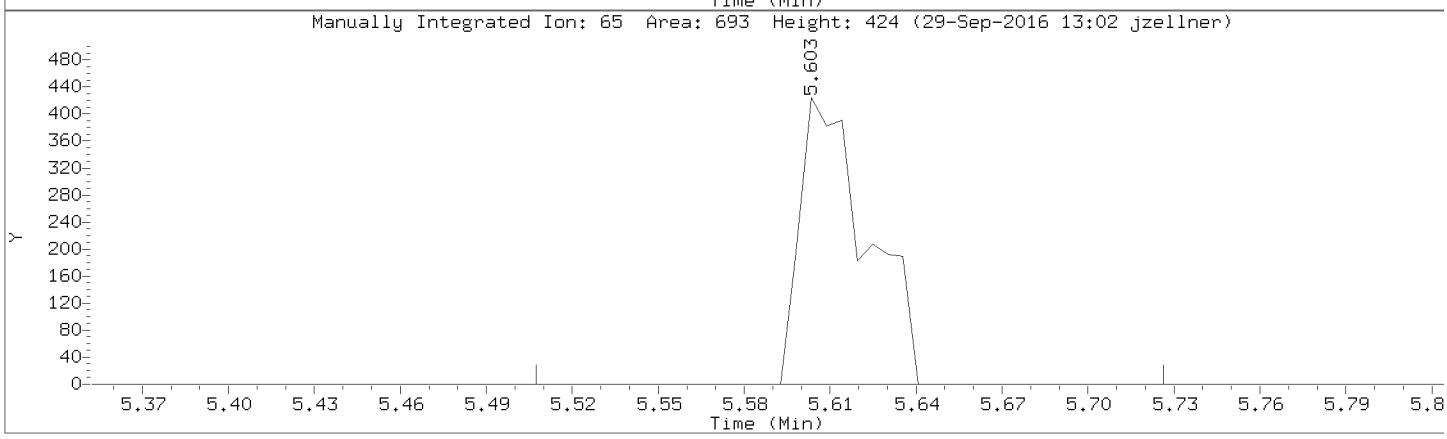
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a04cal.d
Injection Date: 28-SEP-2016 20:06
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,131979:0

Compound: 2-Chloroethyl vinyl ether Review Code: NI
CAS Number: 110-75-8



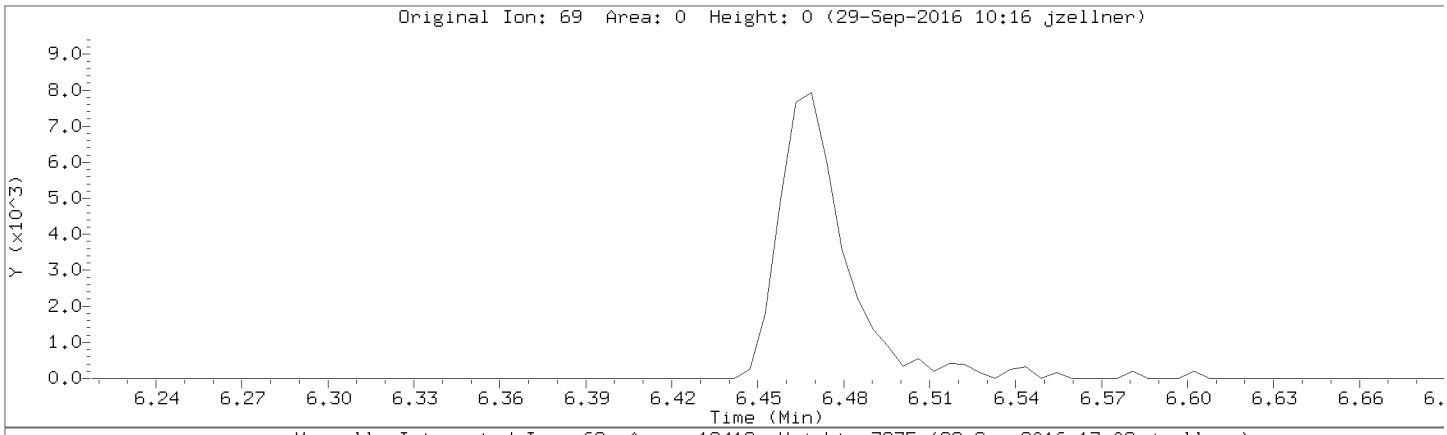


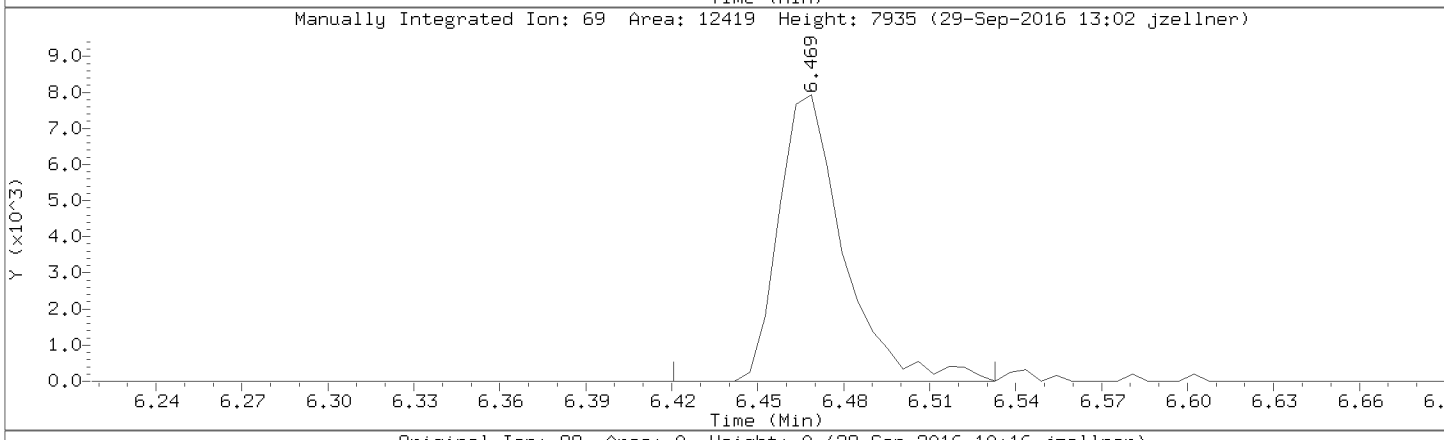


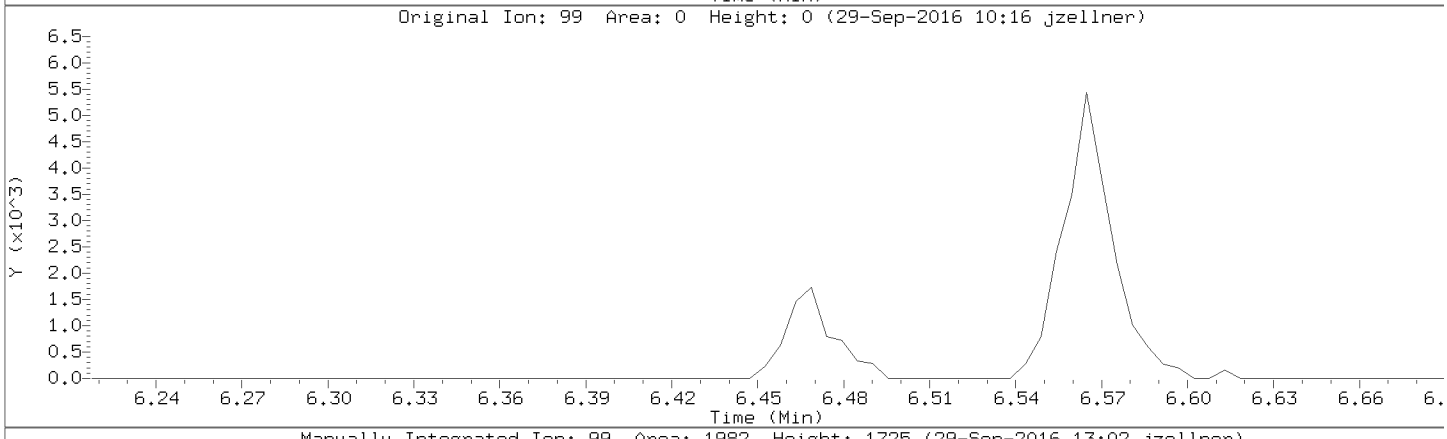


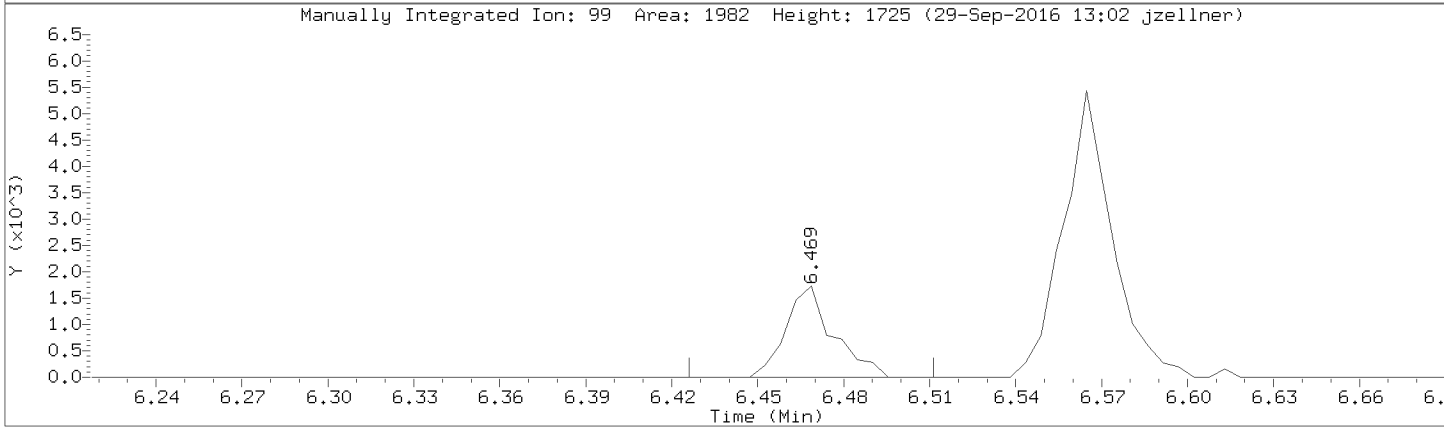
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a04cal.d
Injection Date: 28-SEP-2016 20:06
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,131979:0

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

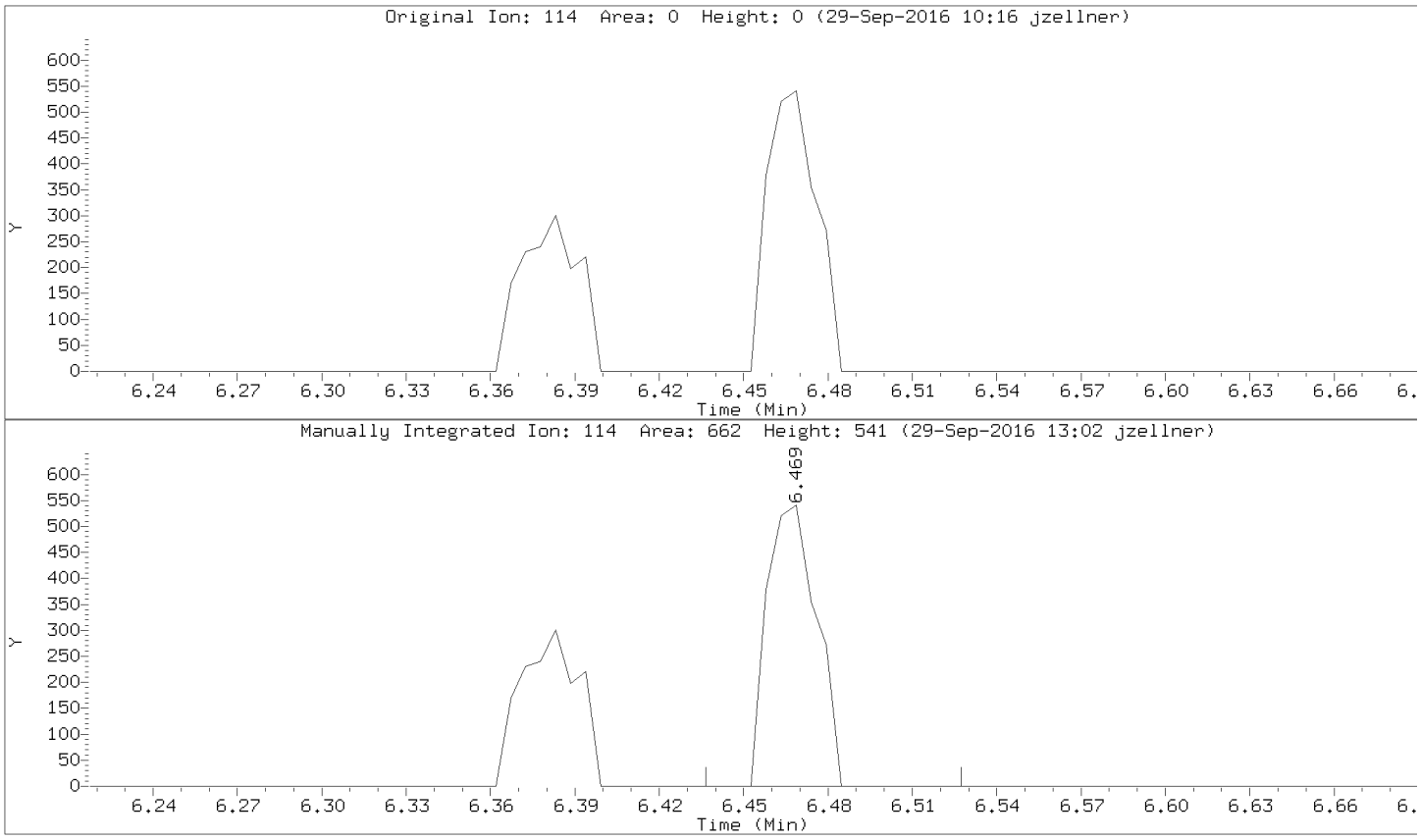








Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a04cal.d
Injection Date: 28-SEP-2016 20:06
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,131979:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a05cal.d
Lab Smp Id: 8260-CAL5,131980:0
Inj Date : 28-SEP-2016 20:39
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal5,131980:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 20:39 Cal File: a05cal.d
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.909	0.906	(0.218)	36417	20.0000	19.6	
2	Chloromethane	50	0.994	0.992	(0.239)	45316	20.0000	19.9	
3	Vinyl Chloride	62	1.037	1.034	(0.249)	46303	20.0000	19.3	
4	Bromomethane	94	1.181	1.184	(0.284)	20898	20.0000	18.8	
5	Chloroethane	64	1.229	1.227	(0.295)	29198	20.0000	20.6	
6	Trichlorofluoromethane	101	1.341	1.344	(0.322)	54638	20.0000	20.5	
7	Diethyl ether	74	1.470	1.467	(0.353)	19842	20.0000	19.2	
8	1,2-dichlorotrifluoroethane	67	1.486	1.483	(0.357)	44276	20.0000	19.2	
9	Acrolein	56	1.539	1.537	(0.369)	70692	400.000	385	
10	1,1,2trichlorotrifluoroethane	101	1.592	1.590	(0.382)	39147	20.0000	19.8	
11	1,1-Dichloroethene	96	1.592	1.595	(0.382)	32367	20.0000	20.0	
12	Acetone	43	1.603	1.606	(0.385)	31482	100.000	96.2	
13	Iodomethane	142	1.683	1.681	(0.404)	63008	40.0000	41.4	
14	Carbon Disulfide	76	1.731	1.729	(0.416)	94512	20.0000	18.9	
15	Methyl Acetate	43	1.774	1.772	(0.426)	18470	20.0000	18.7	
16	allyl chloride	41	1.790	1.788	(0.430)	126534	40.0000	40.0	
17	Acetonitrile	39	1.790	1.788	(0.430)	94111	20.0000	20.6	
18	Methylene Chloride	84	1.865	1.863	(0.448)	34322	20.0000	19.0	
19	Acrylonitrile	53	1.998	1.996	(0.480)	31581	80.0000	75.6	
20	Methyl-tert-butyl ether	73	2.025	2.028	(0.486)	85276	20.0000	19.5	
21	tert-Butyl Alcohol	59	1.902	1.905	(0.457)	4723	40.0000	37.6(Q)	
22	1,2-Dichloroethene (trans)	96	2.036	2.039	(0.489)	35949	20.0000	19.8	
23	n-Hexane	57	2.223	2.220	(0.533)	70017	20.0000	19.4	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.329	2.332	(0.559)	224526	80.0000	78.6	
	25 1,1-Dichloroethane	63	2.340	2.343	(0.562)	67458	20.0000	19.8	
	26 Chloroprene	53	2.399	2.396	(0.576)	69354	20.0000	19.6	
	27 2-Butanone	72	2.799	2.802	(0.672)	11514	100.000	94.4(Q)	
	28 1,2-Dichloroethene (cis)	96	2.821	2.818	(0.677)	36894	20.0000	18.9	
	29 2,2-Dichloropropane	77	2.821	2.824	(0.677)	53864	20.0000	19.9	
	30 Propionitrile	54	2.853	2.861	(0.685)	3273	20.0000	20.5(QM)	WP
	31 Methacrylonitrile	41	3.013	3.005	(0.723)	14316	20.0000	17.7	
	32 Bromochloromethane	49	3.051	3.048	(0.732)	29223	20.0000	20.9	
	33 Tetrahydrofuran	42	3.072	3.069	(0.737)	7096	20.0000	19.3	
	34 Chloroform	83	3.163	3.155	(0.759)	62076	20.0000	19.7	
$	35 Dibromofluoromethane (S)	113	3.334	3.331	(0.800)	80566	50.0000	48.9	
	36 1,1,1-Trichloroethane	97	3.334	3.337	(0.800)	57558	20.0000	19.3	
	37 Cyclohexane	56	3.419	3.422	(0.821)	69119	20.0000	19.3	
	38 n-Butyl chloride	56	3.483	3.481	(0.836)	91530	20.0000	20.5	
	39 Carbon Tetrachloride	117	3.515	3.518	(0.844)	49832	20.0000	20.0	
	40 1,1-Dichloropropene	75	3.521	3.523	(0.845)	51375	20.0000	19.1	
	41 Benzene	78	3.766	3.764	(0.904)	147864	20.0000	19.7	
	42 1,2-Dichloroethane	62	3.852	3.849	(0.924)	44775	20.0000	19.7	
	43 2,2,4-Trimethylpentane	57	3.948	3.945	(0.947)	181670	20.0000	20.1	
	44 Isobutyl alcohol	43	3.878	3.881	(0.931)	252148	20.0000	20.6	
*	45 Fluorobenzene (IS)	96	4.167	4.164	(1.000)	364255	50.0000		
	46 Trichloroethene	95	4.621	4.618	(1.109)	36696	20.0000	19.3	
	47 Methylcyclohexane	55	4.888	4.885	(1.173)	57558	20.0000	19.8	
	48 1,2-Dichloropropane	63	4.925	4.923	(1.182)	34249	20.0000	19.5	
	49 Dibromomethane	93	5.021	5.019	(1.205)	15769	20.0000	19.6	
	50 1,4-Dioxane	88	5.032	5.035	(1.208)	3708	400.000	386	
	51 Methyl methacrylate	69	5.043	5.040	(1.210)	16163	20.0000	20.5	
	52 Bromodichloromethane	83	5.246	5.243	(1.259)	40765	20.0000	20.1	
	53 2-Chloroethyl vinyl ether	63	5.604	5.601	(0.763)	4170	40.0000	56.1	
	54 cis-1,3-Dichloropropene	75	5.748	5.745	(0.783)	43210	20.0000	19.9	
	55 4-Methyl-2-Pentanone	43	5.919	5.916	(0.806)	99224	100.000	99.5	
$	56 Toluene-d8 (S)	98	6.020	6.018	(0.820)	309902	50.0000	51.8	
	57 Toluene	91	6.095	6.092	(0.830)	137410	20.0000	19.3	
	58 trans-1,3-Dichloropropene	75	6.378	6.381	(0.868)	34978	20.0000	19.9	
	59 Ethyl Methacrylate	69	6.469	6.466	(0.881)	26193	20.0000	20.0	
	60 1,1,2-Trichloroethane	83	6.560	6.563	(0.893)	17234	20.0000	20.4	
	61 Tetrachloroethene	166	6.618	6.616	(0.901)	32365	20.0000	20.0	
	62 1,3-Dichloropropane	76	6.704	6.707	(0.913)	35776	20.0000	20.1	
	63 2-Hexanone	43	6.773	6.776	(0.922)	64702	100.000	102	
	64 Dibromochloromethane	129	6.891	6.888	(0.938)	23037	20.0000	19.4	
	65 1,2-Dibromoethane	107	6.976	6.974	(0.950)	18950	20.0000	20.8	
*	66 Chlorobenzene-D5 (IS)	117	7.345	7.342	(1.000)	193061	50.0000		
	67 Chlorobenzene	112	7.366	7.364	(1.003)	79223	20.0000	19.9	
	68 1,1,1,2-Tetrachloroethane	131	7.446	7.444	(1.014)	26433	20.0000	21.1	
	69 Ethylbenzene	106	7.446	7.449	(1.014)	43185	20.0000	19.8	
	70 m&p-Xylene	106	7.548	7.545	(1.028)	107058	40.0000	40.0	
	71 o-Xylene	106	7.809	7.807	(1.063)	48766	20.0000	19.7	
	72 Styrene	104	7.825	7.823	(1.065)	79501	20.0000	19.8	
	73 Bromoform	173	7.943	7.941	(0.898)	12131	20.0000	19.7	
	74 Isopropylbenzene	105	8.055	8.053	(1.097)	135568	20.0000	19.8	
$	75 4-Bromofluorobenzene (S)	95	8.162	8.165	(1.111)	84518	50.0000	49.1	
	76 Bromobenzene	77	8.242	8.245	(1.122)	42623	20.0000	18.9	
	77 1,1,2,2-Tetrachloroethane	83	8.253	8.256	(0.934)	22533	20.0000	20.3	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.274	8.277	(1.127)	6446	20.0000	20.5(Q)	
79	1,2,3-Trichloropropane	110	8.279	8.282	(0.937)	6657	20.0000	18.9	
80	n-Propylbenzene	91	8.311	8.309	(0.940)	153881	20.0000	19.4	
81	2-Chlorotoluene	91	8.360	8.362	(0.946)	84963	20.0000	19.2	
82	1,3,5-Trimethylbenzene	105	8.418	8.421	(0.952)	104589	20.0000	19.5	
83	4-Chlorotoluene	126	8.434	8.437	(0.954)	31268	20.0000	20.0	
84	tert-Butylbenzene	119	8.600	8.603	(0.973)	120770	20.0000	19.8	
85	1,2,4-Trimethylbenzene	105	8.637	8.635	(0.977)	104800	20.0000	19.4	
86	sec-Butylbenzene	105	8.728	8.726	(0.987)	142705	20.0000	19.6	
87	1,3-Dichlorobenzene	146	8.798	8.795	(0.995)	54021	20.0000	19.1	
88	p-Isopropyltoluene	119	8.814	8.811	(0.997)	119461	20.0000	19.7	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.843	(1.000)	88226	50.0000		
90	1,4-Dichlorobenzene	146	8.856	8.854	(1.002)	56547	20.0000	19.3	
91	n-Butylbenzene	91	9.033	9.030	(1.022)	104973	20.0000	19.2	
92	1,2-Dichlorobenzene	146	9.043	9.046	(1.023)	48779	20.0000	19.0	
93	1,2,4-Trichlorobenzene	180	9.860	9.858	(1.115)	34149	20.0000	20.1	
94	1,2-Dibromo-3-chloropropane	155	9.454	9.457	(1.069)	2773	20.0000	19.4	
95	Hexachlorobutadiene	225	9.924	9.927	(1.123)	20234	20.0000	19.4	
96	Naphthalene	128	9.999	10.002	(1.131)	67318	20.0000	19.4	
97	1,2,3-Trichlorobenzene	180	10.117	10.114	(1.144)	31385	20.0000	19.5	
98	2,methyl-naphthalene	142	10.635	10.632	(1.203)	44223	20.0000	19.5	
99	1-Methylnaphthalene	142	10.747	10.745	(1.216)	40173	20.0000	20.7	

QC Flag Legend

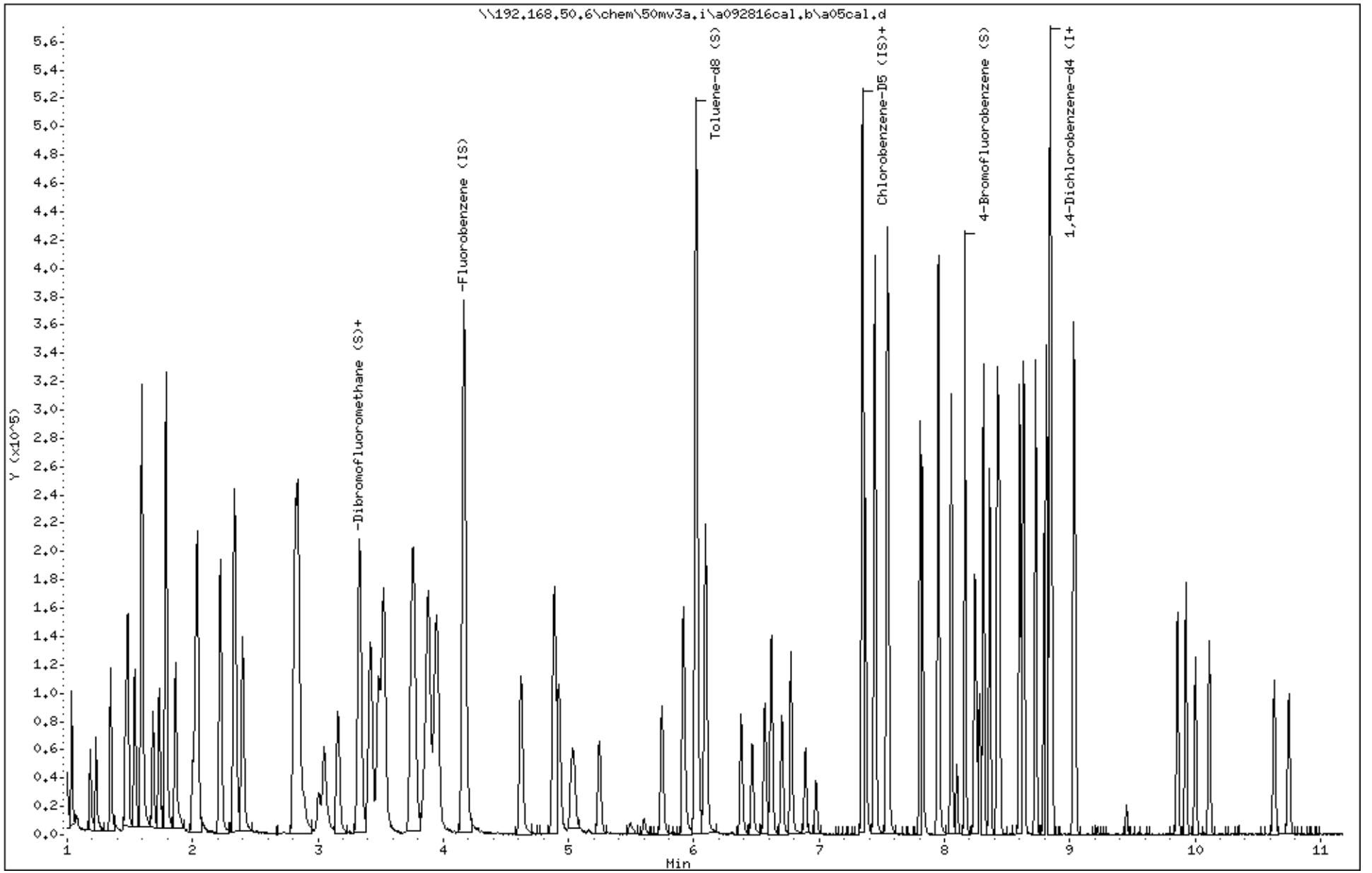
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:
WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a05cal.d
Date : 28-SEP-2016 20:39
Client ID:
Sample Info: 8260-CAL5,131980:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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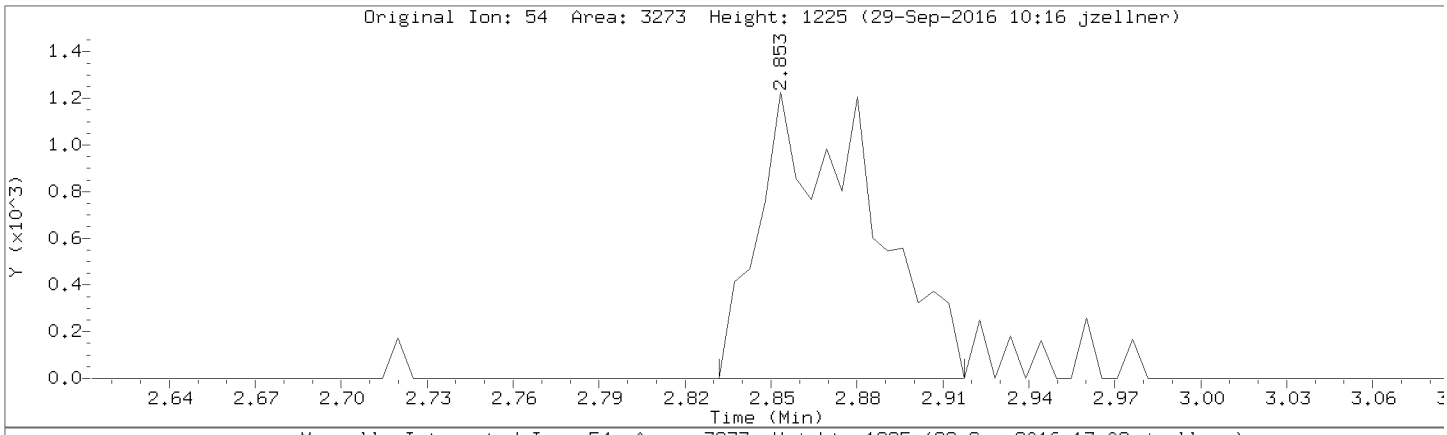
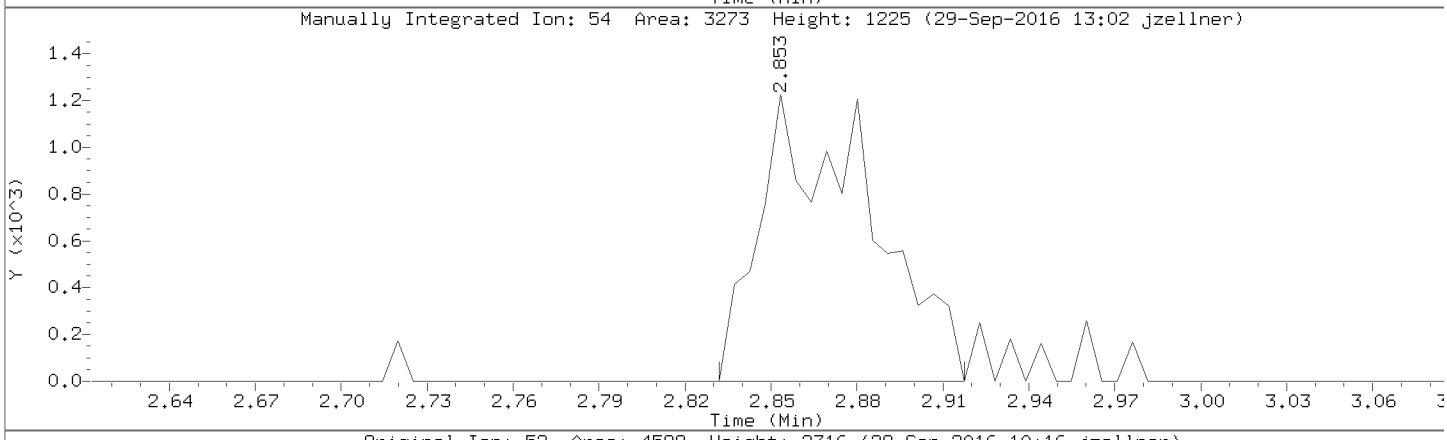
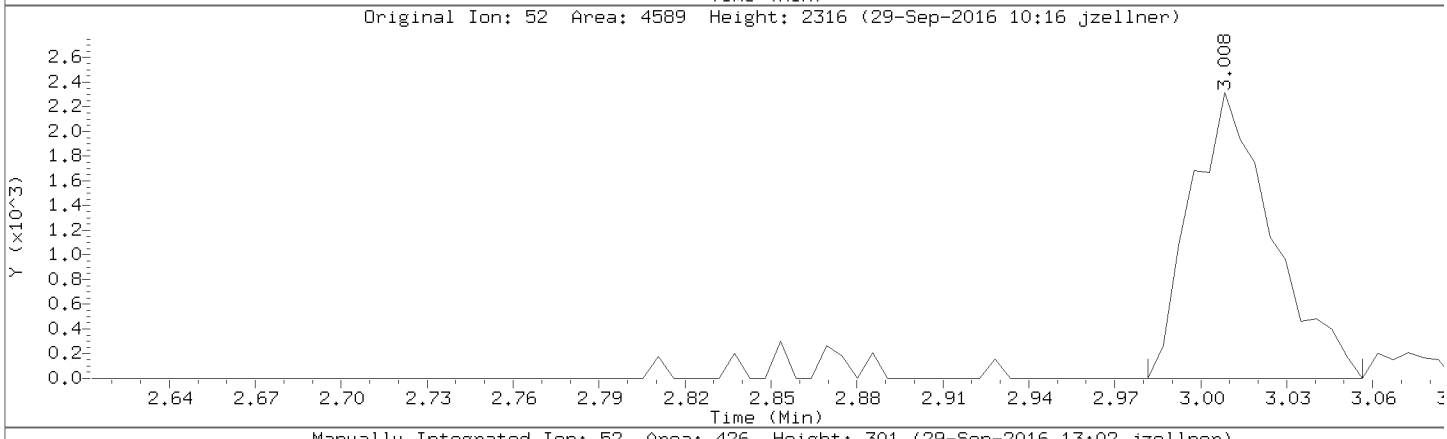
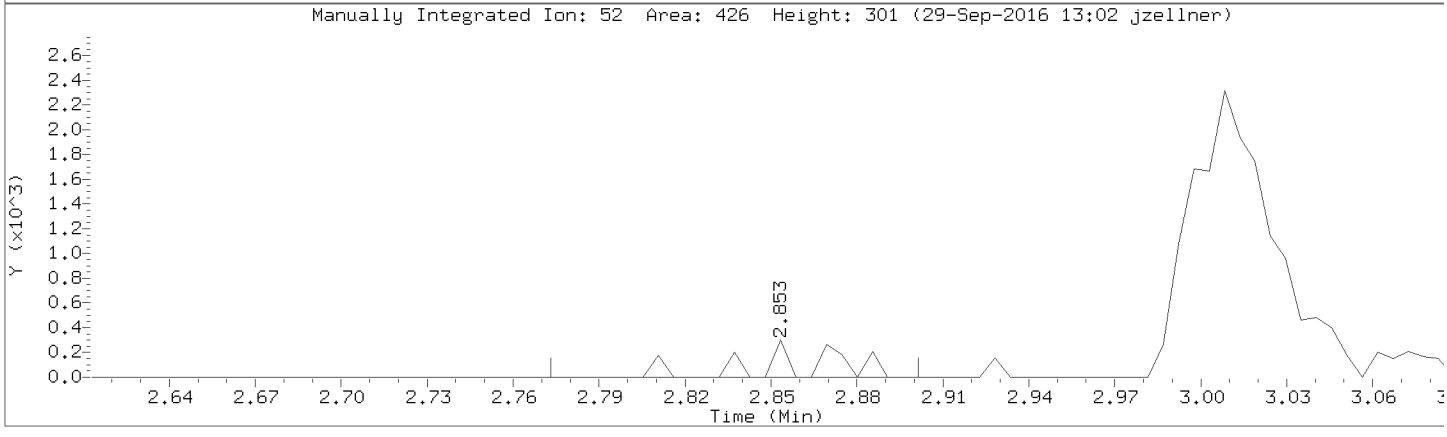
Injection Date: 28-SEP-2016 20:39
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,131980:0

Compound: Propionitrile Review Code: WP
CAS Number: 107-12-0









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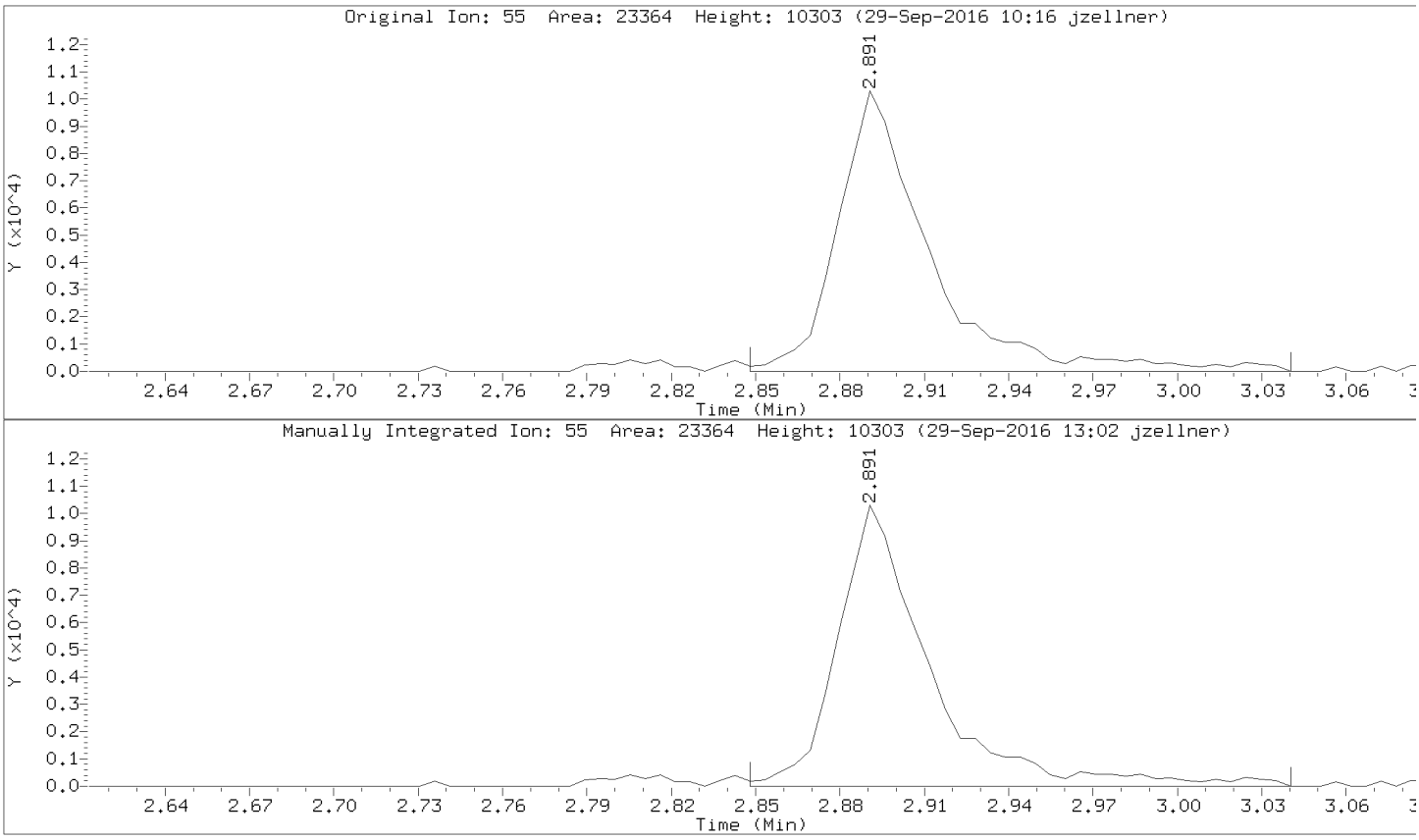
Injection Date: 28-SEP-2016 20:39
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,131980:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a06cal.d
Lab Smp Id: 8260-CAL6,131981:0
Inj Date : 28-SEP-2016 21:11
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal6,131981:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 21:11 Cal File: a06cal.d
Als bottle: 13 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.906	0.906	(0.218)	99238	50.0000	53.7	
2	Chloromethane	50	0.992	0.992	(0.238)	109827	50.0000	48.4	
3	Vinyl Chloride	62	1.034	1.034	(0.249)	123746	50.0000	51.9	
4	Bromomethane	94	1.184	1.184	(0.284)	57236	50.0000	51.9	
5	Chloroethane	64	1.227	1.227	(0.295)	74709	50.0000	53.0	
6	Trichlorofluoromethane	101	1.344	1.344	(0.323)	133968	50.0000	50.4	
7	Diethyl ether	74	1.467	1.467	(0.352)	48048	50.0000	46.8	
8	1,2-dichlorotrifluoroethane	67	1.483	1.483	(0.356)	115072	50.0000	50.1	
9	Acrolein	56	1.537	1.537	(0.369)	175944	1000.00	963	
10	1,1,2trichlorotrifluoroethane	101	1.590	1.590	(0.382)	96867	50.0000	49.3	
11	1,1-Dichloroethene	96	1.595	1.595	(0.383)	83810	50.0000	52.2	
12	Acetone	43	1.606	1.606	(0.386)	74697	250.000	230	
13	Iodomethane	142	1.681	1.681	(0.404)	171369	100.000	113	
14	Carbon Disulfide	76	1.729	1.729	(0.415)	239677	50.0000	48.3	
15	Methyl Acetate	43	1.772	1.772	(0.425)	46310	50.0000	47.2	
16	allyl chloride	41	1.788	1.788	(0.429)	338721	100.000	108	
17	Acetonitrile	39	1.788	1.788	(0.429)	243003	50.0000	53.5	
18	Methylene Chloride	84	1.862	1.863	(0.447)	80769	50.0000	49.5	
19	Acrylonitrile	53	1.996	1.996	(0.479)	81941	200.000	197	
20	Methyl-tert-butyl ether	73	2.028	2.028	(0.487)	212292	50.0000	48.9	
21	tert-Butyl Alcohol	59	1.905	1.905	(0.458)	11718	100.000	93.8	
22	1,2-Dichloroethene (trans)	96	2.039	2.039	(0.490)	91334	50.0000	50.5	
23	n-Hexane	57	2.220	2.220	(0.533)	182880	50.0000	50.9	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.332	2.332	(0.560)	608200	200.000	214	
	25 1,1-Dichloroethane	63	2.343	2.343	(0.563)	173085	50.0000	51.0	
	26 Chloroprene	53	2.396	2.396	(0.576)	181347	50.0000	51.6	
	27 2-Butanone	72	2.802	2.802	(0.673)	30457	250.000	251	
	28 1,2-Dichloroethene (cis)	96	2.818	2.818	(0.677)	100116	50.0000	51.6	
	29 2,2-Dichloropropane	77	2.824	2.824	(0.678)	139977	50.0000	52.0	
	30 Propionitrile	54	2.861	2.861	(0.687)	9071	50.0000	52.3(M)	LT
	31 Methacrylonitrile	41	3.005	3.005	(0.722)	37024	50.0000	46.0	
	32 Bromochloromethane	49	3.048	3.048	(0.732)	69298	50.0000	49.8	
	33 Tetrahydrofuran	42	3.069	3.069	(0.737)	15076	50.0000	41.2	
	34 Chloroform	83	3.155	3.155	(0.758)	153994	50.0000	49.2	
$	35 Dibromofluoromethane (S)	113	3.331	3.331	(0.800)	78847	50.0000	48.1	
	36 1,1,1-Trichloroethane	97	3.337	3.337	(0.801)	148574	50.0000	50.1	
	37 Cyclohexane	56	3.422	3.422	(0.822)	185229	50.0000	52.0	
	38 n-Butyl chloride	56	3.481	3.481	(0.836)	229492	50.0000	51.6	
	39 Carbon Tetrachloride	117	3.518	3.518	(0.845)	131130	50.0000	52.8	
	40 1,1-Dichloropropene	75	3.523	3.523	(0.846)	141273	50.0000	52.8	
	41 Benzene	78	3.764	3.764	(0.904)	370618	50.0000	49.7	
	42 1,2-Dichloroethane	62	3.849	3.849	(0.924)	110633	50.0000	48.9	
	43 2,2,4-Trimethylpentane	57	3.945	3.945	(0.947)	478018	50.0000	53.3	
	44 Isobutyl alcohol	43	3.881	3.881	(0.932)	635386	50.0000	52.2	
*	45 Fluorobenzene (IS)	96	4.164	4.164	(1.000)	362291	50.0000		
	46 Trichloroethene	95	4.618	4.618	(1.109)	93770	50.0000	49.7	
	47 Methylcyclohexane	55	4.885	4.885	(1.173)	154428	50.0000	53.3	
	48 1,2-Dichloropropane	63	4.923	4.923	(1.182)	89770	50.0000	51.3	
	49 Dibromomethane	93	5.019	5.019	(1.205)	40546	50.0000	50.7	
	50 1,4-Dioxane	88	5.035	5.035	(1.209)	10178	1000.00	949	
	51 Methyl methacrylate	69	5.040	5.040	(1.210)	38767	50.0000	49.5	
	52 Bromodichloromethane	83	5.243	5.243	(1.259)	104397	50.0000	51.8	
	53 2-Chloroethyl vinyl ether	63	5.601	5.601	(0.763)	7575	100.000	120	
	54 cis-1,3-Dichloropropene	75	5.745	5.745	(0.782)	127433	50.0000	58.4	
	55 4-Methyl-2-Pentanone	43	5.916	5.916	(0.806)	284480	250.000	284	
$	56 Toluene-d8 (S)	98	6.018	6.018	(0.820)	327567	50.0000	54.5	
	57 Toluene	91	6.092	6.092	(0.830)	380791	50.0000	53.4	
	58 trans-1,3-Dichloropropene	75	6.381	6.381	(0.869)	101134	50.0000	57.2	
	59 Ethyl Methacrylate	69	6.466	6.466	(0.881)	74227	50.0000	56.6	
	60 1,1,2-Trichloroethane	83	6.563	6.563	(0.894)	43003	50.0000	50.6	
	61 Tetrachloroethene	166	6.616	6.616	(0.901)	81452	50.0000	50.2	
	62 1,3-Dichloropropane	76	6.707	6.707	(0.913)	90931	50.0000	50.8	
	63 2-Hexanone	43	6.776	6.776	(0.923)	161949	250.000	255	
	64 Dibromochloromethane	129	6.888	6.888	(0.938)	60884	50.0000	51.1	
	65 1,2-Dibromoethane	107	6.974	6.974	(0.950)	46808	50.0000	51.1	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.342	(1.000)	193875	50.0000		
	67 Chlorobenzene	112	7.364	7.364	(1.003)	194195	50.0000	48.7	
	68 1,1,1,2-Tetrachloroethane	131	7.444	7.444	(1.014)	64975	50.0000	51.6	
	69 Ethylbenzene	106	7.449	7.449	(1.015)	111157	50.0000	50.8	
	70 m&p-Xylene	106	7.545	7.545	(1.028)	279392	100.000	104	
	71 o-Xylene	106	7.807	7.807	(1.063)	129353	50.0000	52.0	
	72 Styrene	104	7.823	7.823	(1.065)	215710	50.0000	53.6	
	73 Bromoform	173	7.941	7.941	(0.898)	32068	50.0000	51.5	
	74 Isopropylbenzene	105	8.053	8.053	(1.097)	363868	50.0000	52.8	
$	75 4-Bromofluorobenzene (S)	95	8.165	8.165	(1.112)	87999	50.0000	50.9	
	76 Bromobenzene	77	8.245	8.245	(1.123)	114275	50.0000	50.5	
	77 1,1,2,2-Tetrachloroethane	83	8.256	8.256	(0.934)	55009	50.0000	49.1	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.277	8.277	(1.127)	15878	50.0000	50.3	
79	1,2,3-Trichloropropane	110	8.282	8.282	(0.937)	18107	50.0000	50.9	
80	n-Propylbenzene	91	8.309	8.309	(0.940)	410855	50.0000	51.4	
81	2-Chlorotoluene	91	8.362	8.362	(0.946)	230533	50.0000	51.5	
82	1,3,5-Trimethylbenzene	105	8.421	8.421	(0.952)	285109	50.0000	52.7	
83	4-Chlorotoluene	126	8.437	8.437	(0.954)	83333	50.0000	52.6	
84	tert-Butylbenzene	119	8.603	8.603	(0.973)	322343	50.0000	52.2	
85	1,2,4-Trimethylbenzene	105	8.635	8.635	(0.976)	280244	50.0000	51.4	
86	sec-Butylbenzene	105	8.726	8.726	(0.987)	385517	50.0000	52.5	
87	1,3-Dichlorobenzene	146	8.795	8.795	(0.995)	140086	50.0000	49.0	
88	p-Isopropyltoluene	119	8.811	8.811	(0.996)	321784	50.0000	52.6	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.843	(1.000)	89140	50.0000		
90	1,4-Dichlorobenzene	146	8.854	8.854	(1.001)	141544	50.0000	47.8	
91	n-Butylbenzene	91	9.030	9.030	(1.021)	282806	50.0000	51.2	
92	1,2-Dichlorobenzene	146	9.046	9.046	(1.023)	127234	50.0000	49.1	
93	1,2,4-Trichlorobenzene	180	9.858	9.858	(1.115)	85592	50.0000	49.9	
94	1,2-Dibromo-3-chloropropane	155	9.457	9.457	(1.069)	6584	50.0000	45.6	
95	Hexachlorobutadiene	225	9.927	9.927	(1.123)	52439	50.0000	49.8	
96	Naphthalene	128	10.002	10.002	(1.131)	171185	50.0000	48.8	
97	1,2,3-Trichlorobenzene	180	10.114	10.114	(1.144)	77799	50.0000	47.9	
98	2,methyl-naphthalene	142	10.632	10.632	(1.202)	114561	50.0000	50.0	
99	1-Methylnaphthalene	142	10.745	10.745	(1.215)	97699	50.0000	49.8	

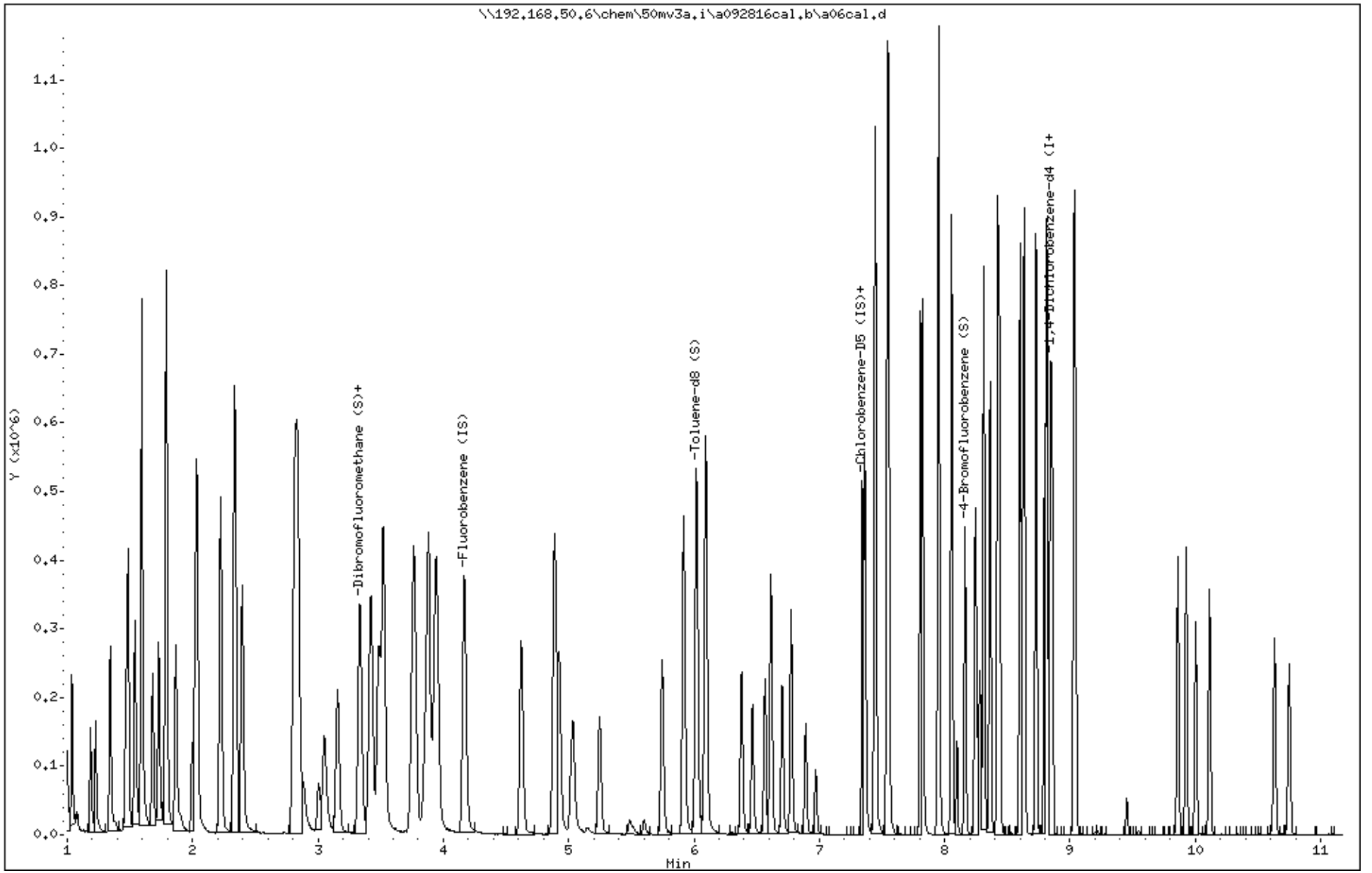
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).

Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a06cal.d
Date : 28-SEP-2016 21:11
Client ID:
Instrument: 50mv3a.i
Sample Info: 8260-CAL6,131981:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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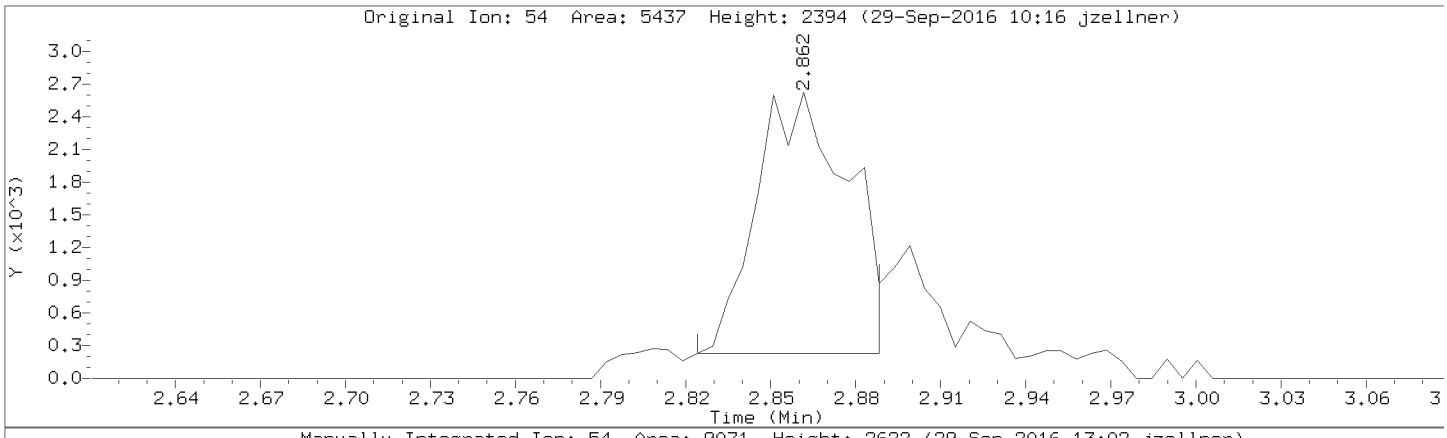
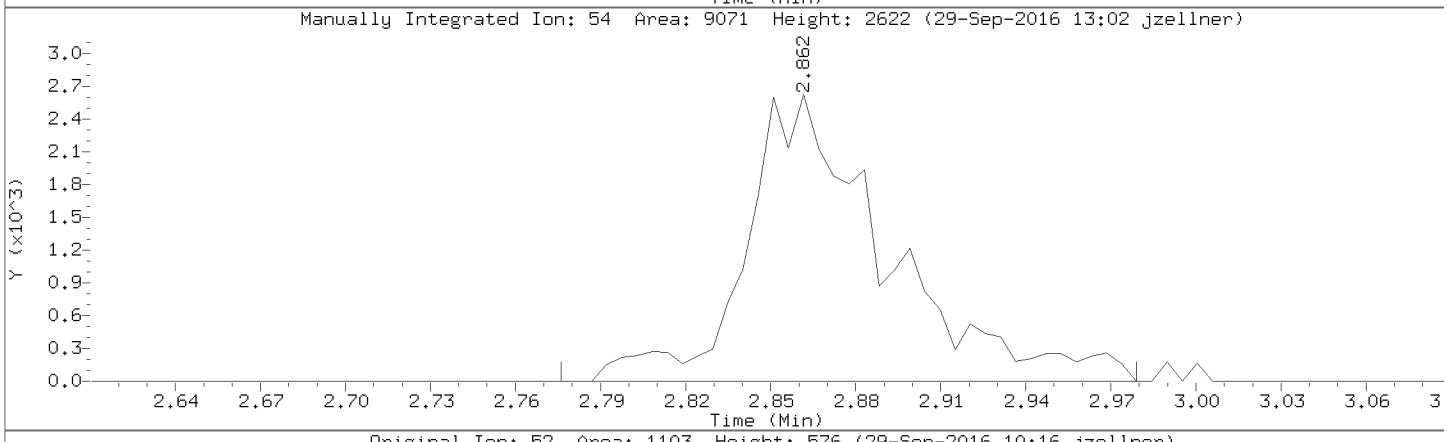
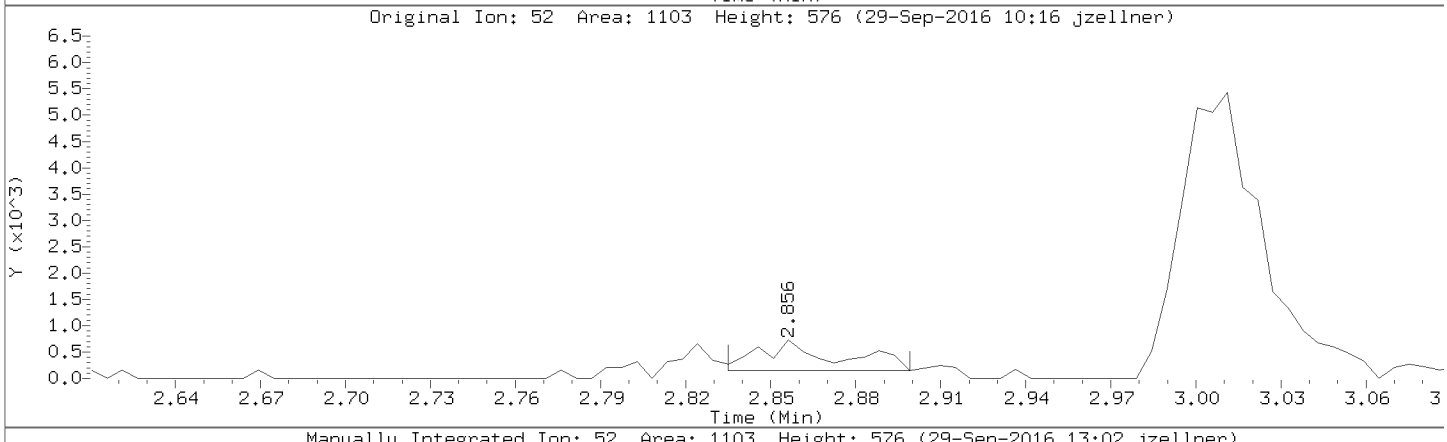
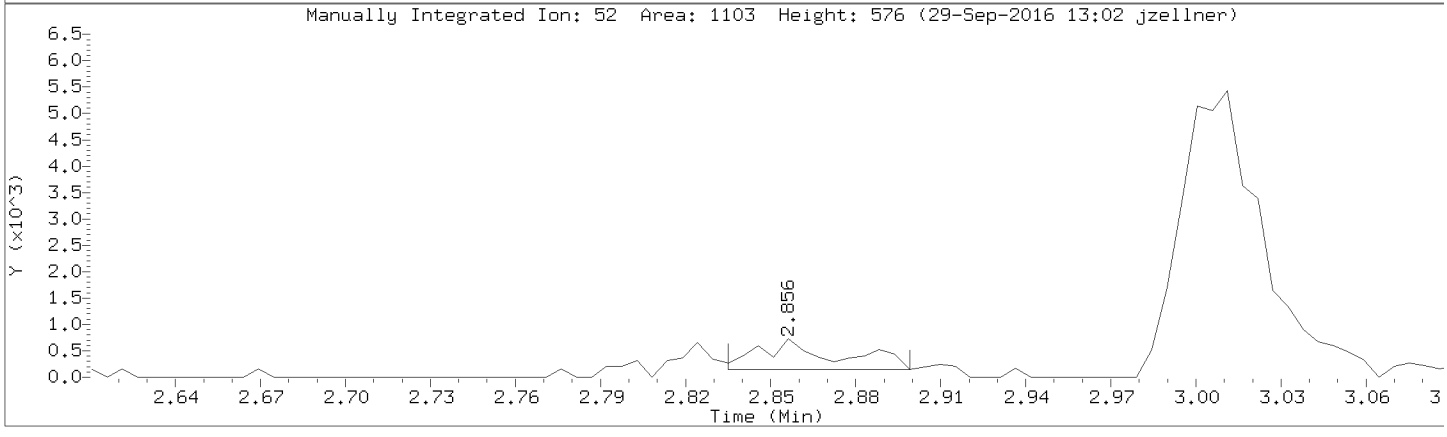
Injection Date: 28-SEP-2016 21:11
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL6,131981:0

Compound: Propionitrile Review Code: LT
CAS Number: 107-12-0

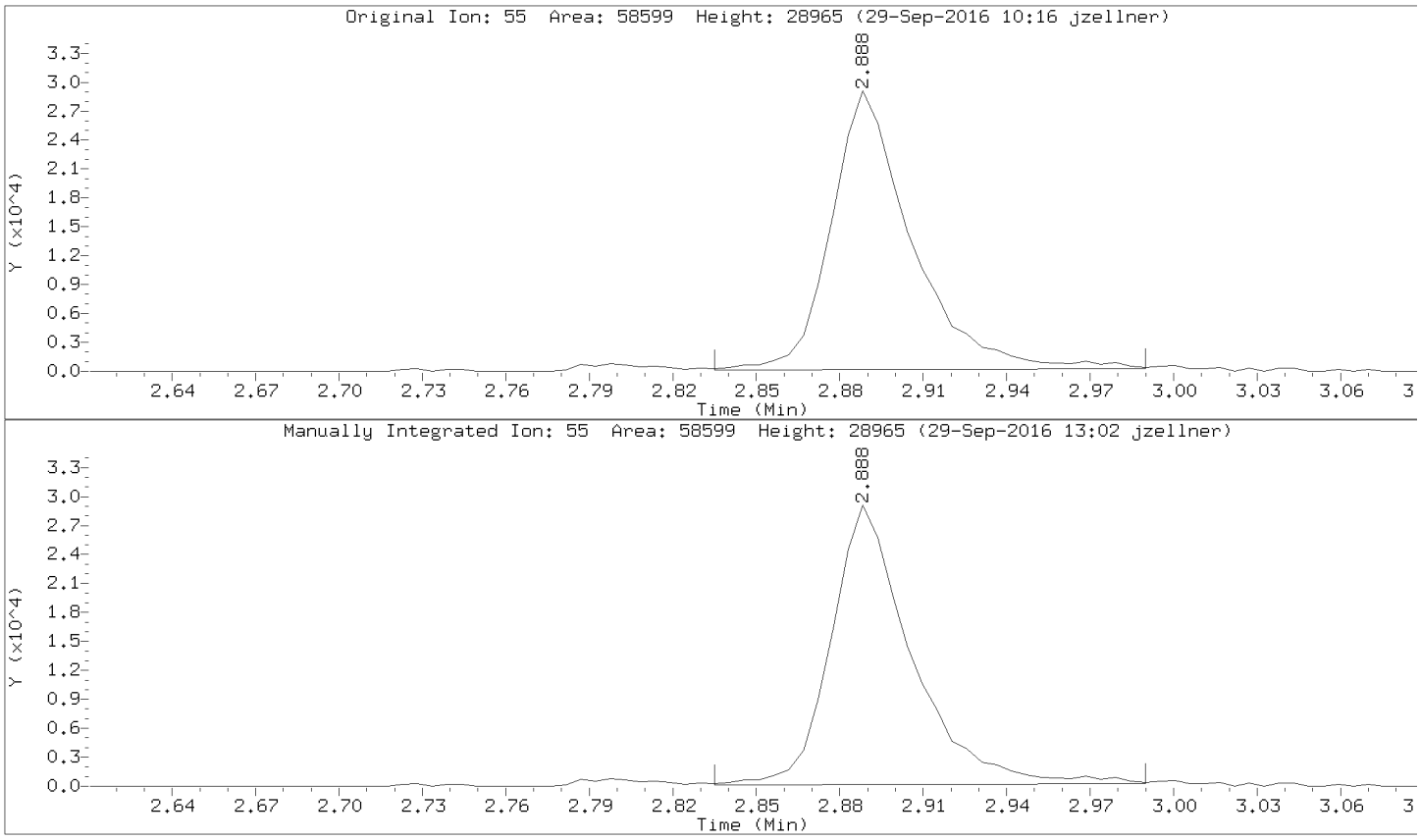








Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a06cal.d
Injection Date: 28-SEP-2016 21:11
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL6,131981:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a07cal.d
Lab Smp Id: 8260-CAL7,131982:0
Inj Date : 28-SEP-2016 21:43
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal7,131982:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 21:43 Cal File: a07cal.d
Als bottle: 15 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.906	0.906	(0.218)	301754	150.000	143	
2	Chloromethane	50	0.992	0.992	(0.238)	376839	150.000	145	
3	Vinyl Chloride	62	1.035	1.034	(0.249)	406437	150.000	149	
4	Bromomethane	94	1.179	1.184	(0.283)	210839	150.000	167	
5	Chloroethane	64	1.227	1.227	(0.295)	249817	150.000	155	
6	Trichlorofluoromethane	101	1.339	1.344	(0.322)	438798	150.000	145	
7	Diethyl ether	74	1.467	1.467	(0.352)	160736	150.000	137	
8	1,2-dichlorotrifluoroethane	67	1.483	1.483	(0.356)	376594	150.000	143	
9	Acrolein	56	1.537	1.537	(0.369)	633370	3000.00	3030	
10	1,1,2trichlorotrifluoroethane	101	1.590	1.590	(0.382)	330507	150.000	147	
11	1,1-Dichloroethene	96	1.595	1.595	(0.383)	262564	150.000	143	
12	Acetone	43	1.606	1.606	(0.386)	250233	750.000	673	
13	Iodomethane	142	1.681	1.681	(0.404)	559407	300.000	323	
14	Carbon Disulfide	76	1.729	1.729	(0.415)	796213	150.000	140	
15	Methyl Acetate	43	1.772	1.772	(0.425)	162956	150.000	145	
16	allyl chloride	41	1.788	1.788	(0.429)	1073730	300.000	298	
17	Acetonitrile	39	1.788	1.788	(0.429)	738384	150.000	142	
18	Methylene Chloride	84	1.862	1.863	(0.447)	268152	150.000	150	
19	Acrylonitrile	53	1.996	1.996	(0.479)	288958	600.000	609	
20	Methyl-tert-butyl ether	73	2.023	2.028	(0.486)	758881	150.000	153	
21	tert-Butyl Alcohol	59	1.905	1.905	(0.458)	42768	300.000	300(Q)	
22	1,2-Dichloroethene (trans)	96	2.033	2.039	(0.488)	323747	150.000	157	
23	n-Hexane	57	2.220	2.220	(0.533)	628938	150.000	153	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.327	2.332	(0.559)	2220457	600.000	684	
	25 1,1-Dichloroethane	63	2.338	2.343	(0.561)	611031	150.000	158	
	26 Chloroprene	53	2.397	2.396	(0.576)	628654	150.000	156	
	27 2-Butanone	72	2.797	2.802	(0.672)	109204	750.000	788	
	28 1,2-Dichloroethene (cis)	96	2.813	2.818	(0.676)	340485	150.000	154	
	29 2,2-Dichloropropane	77	2.818	2.824	(0.677)	480496	150.000	156	
	30 Propionitrile	54	2.856	2.861	(0.686)	29955	150.000	146(Q)	
	31 Methacrylonitrile	41	3.005	3.005	(0.722)	134137	150.000	146	
	32 Bromochloromethane	49	3.048	3.048	(0.732)	222130	150.000	140	
	33 Tetrahydrofuran	42	3.064	3.069	(0.736)	58591	150.000	140	
	34 Chloroform	83	3.155	3.155	(0.758)	531822	150.000	148	
$	35 Dibromofluoromethane (S)	113	3.331	3.331	(0.800)	95336	50.0000	50.9	
	36 1,1,1-Trichloroethane	97	3.331	3.337	(0.800)	505849	150.000	149	
	37 Cyclohexane	56	3.422	3.422	(0.822)	618689	150.000	152	
	38 n-Butyl chloride	56	3.481	3.481	(0.836)	786534	150.000	155	
	39 Carbon Tetrachloride	117	3.513	3.518	(0.844)	440803	150.000	155	
	40 1,1-Dichloropropene	75	3.524	3.523	(0.846)	462798	150.000	151	
	41 Benzene	78	3.764	3.764	(0.904)	1257662	150.000	148	
	42 1,2-Dichloroethane	62	3.849	3.849	(0.924)	376104	150.000	146	
	43 2,2,4-Trimethylpentane	57	3.945	3.945	(0.947)	1622858	150.000	158	
	44 Isobutyl alcohol	43	3.881	3.881	(0.932)	2198024	150.000	158	
*	45 Fluorobenzene (IS)	96	4.164	4.164	(1.000)	413936	50.0000		
	46 Trichloroethene	95	4.618	4.618	(1.109)	311404	150.000	144	
	47 Methylcyclohexane	55	4.885	4.885	(1.173)	507506	150.000	153	
	48 1,2-Dichloropropane	63	4.923	4.923	(1.182)	292623	150.000	146	
	49 Dibromomethane	93	5.019	5.019	(1.205)	135707	150.000	148	
	50 1,4-Dioxane	88	5.030	5.035	(1.208)	38670	3000.00	3000	
	51 Methyl methacrylate	69	5.040	5.040	(1.210)	147244	150.000	165	
	52 Bromodichloromethane	83	5.243	5.243	(1.259)	351342	150.000	152	
	53 2-Chloroethyl vinyl ether	63	5.601	5.601	(0.763)	20979	300.000	298	
	54 cis-1,3-Dichloropropene	75	5.745	5.745	(0.782)	432128	150.000	160	
	55 4-Methyl-2-Pentanone	43	5.916	5.916	(0.806)	1026862	750.000	827	
$	56 Toluene-d8 (S)	98	6.018	6.018	(0.820)	374049	50.0000	50.2	
	57 Toluene	91	6.093	6.092	(0.830)	1293356	150.000	146	
	58 trans-1,3-Dichloropropene	75	6.376	6.381	(0.868)	356197	150.000	162	
	59 Ethyl Methacrylate	69	6.466	6.466	(0.881)	280534	150.000	172	
	60 1,1,2-Trichloroethane	83	6.563	6.563	(0.894)	158645	150.000	150	
	61 Tetrachloroethene	166	6.616	6.616	(0.901)	307581	150.000	153	
	62 1,3-Dichloropropane	76	6.707	6.707	(0.913)	334336	150.000	151	
	63 2-Hexanone	43	6.776	6.776	(0.923)	662331	750.000	840	
	64 Dibromochloromethane	129	6.888	6.888	(0.938)	235147	150.000	159	
	65 1,2-Dibromoethane	107	6.974	6.974	(0.950)	175761	150.000	155	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.342	(1.000)	240520	50.0000		
	67 Chlorobenzene	112	7.364	7.364	(1.003)	735801	150.000	149	
	68 1,1,1,2-Tetrachloroethane	131	7.444	7.444	(1.014)	254962	150.000	163	
	69 Ethylbenzene	106	7.449	7.449	(1.015)	428313	150.000	158	
	70 m&p-Xylene	106	7.545	7.545	(1.028)	1047436	300.000	314	
	71 o-Xylene	106	7.807	7.807	(1.063)	484684	150.000	157	
	72 Styrene	104	7.823	7.823	(1.065)	844877	150.000	169	
	73 Bromoform	173	7.941	7.941	(0.898)	127002	150.000	160	
	74 Isopropylbenzene	105	8.053	8.053	(1.097)	1380614	150.000	162	
$	75 4-Bromofluorobenzene (S)	95	8.165	8.165	(1.112)	114969	50.0000	53.6	
	76 Bromobenzene	77	8.245	8.245	(1.123)	437338	150.000	156	
	77 1,1,2,2-Tetrachloroethane	83	8.256	8.256	(0.934)	214424	150.000	150	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
78 trans-1,4-Dichloro-2-butene	53	8.277	8.277	(1.127)	66145	150.000	169	
79 1,2,3-Trichloropropane	110	8.282	8.282	(0.937)	64579	150.000	142(Q)	
80 n-Propylbenzene	91	8.314	8.309	(0.940)	1568132	150.000	154	
81 2-Chlorotoluene	91	8.363	8.362	(0.946)	872209	150.000	153	
82 1,3,5-Trimethylbenzene	105	8.421	8.421	(0.952)	1080902	150.000	157	
83 4-Chlorotoluene	126	8.437	8.437	(0.954)	309532	150.000	153	
84 tert-Butylbenzene	119	8.603	8.603	(0.973)	1238337	150.000	157	
85 1,2,4-Trimethylbenzene	105	8.635	8.635	(0.976)	1060154	150.000	152	
86 sec-Butylbenzene	105	8.726	8.726	(0.987)	1451878	150.000	155	
87 1,3-Dichlorobenzene	146	8.795	8.795	(0.995)	525469	150.000	144	
88 p-Isopropyltoluene	119	8.811	8.811	(0.996)	1204799	150.000	154	
* 89 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.843	(1.000)	113620	50.0000		
90 1,4-Dichlorobenzene	146	8.854	8.854	(1.001)	525079	150.000	139	
91 n-Butylbenzene	91	9.030	9.030	(1.021)	1100075	150.000	156	
92 1,2-Dichlorobenzene	146	9.046	9.046	(1.023)	473254	150.000	143	
93 1,2,4-Trichlorobenzene	180	9.858	9.858	(1.115)	300205	150.000	137	
94 1,2-Dibromo-3-chloropropane	155	9.452	9.457	(1.069)	25562	150.000	139	
95 Hexachlorobutadiene	225	9.927	9.927	(1.123)	178824	150.000	133	
96 Naphthalene	128	10.002	10.002	(1.131)	621427	150.000	139	
97 1,2,3-Trichlorobenzene	180	10.114	10.114	(1.144)	275391	150.000	133	
98 2,methyl-naphthalene	142	10.627	10.632	(1.202)	424377	150.000	145	
99 1-Methylnaphthalene	142	10.745	10.745	(1.215)	371251	150.000	149	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

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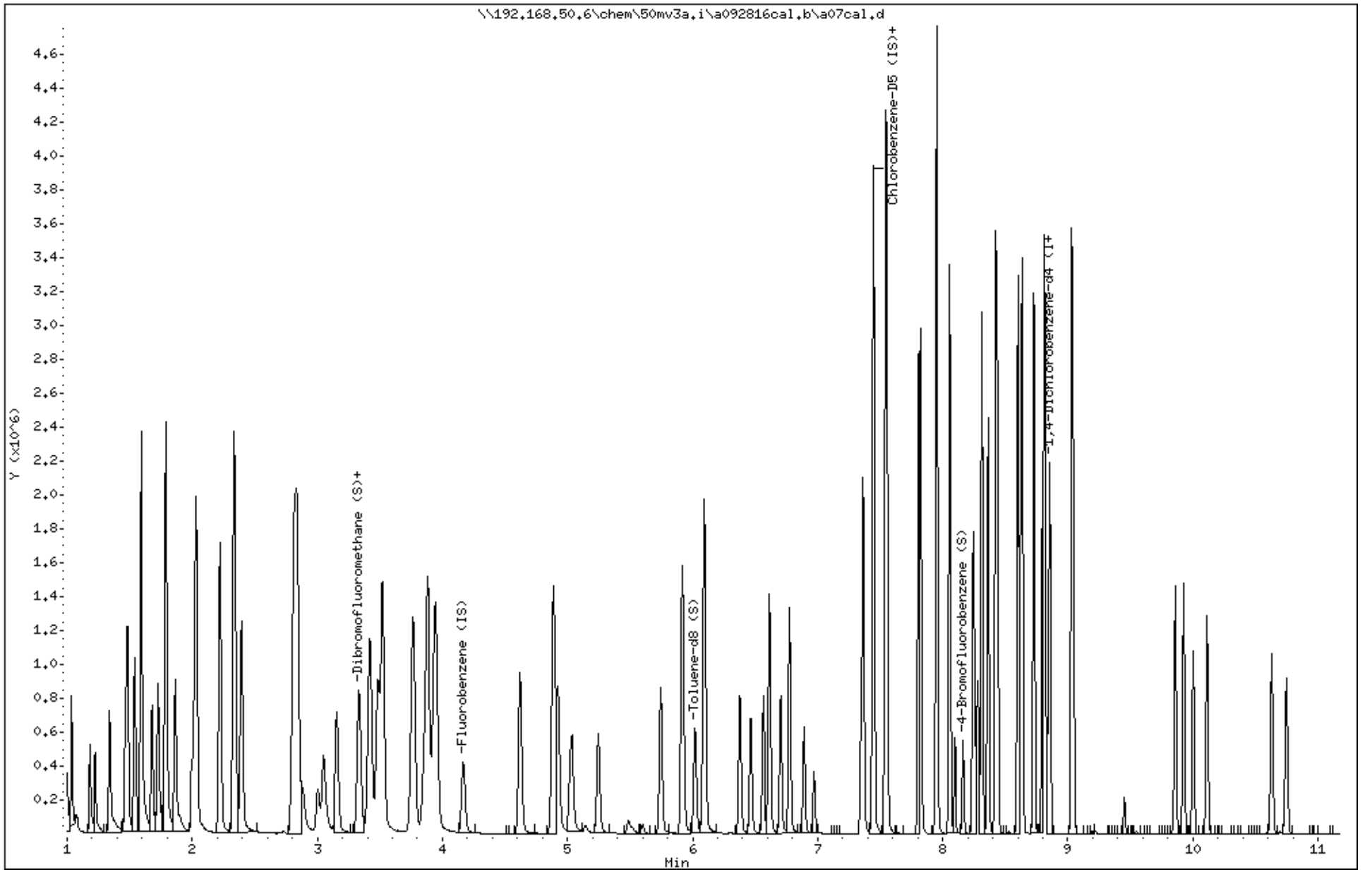
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a07cal.d
Date : 28-SEP-2016 21:43
Client ID:
Instrument: 50mv3a.i
Sample Info: 8260-CAL7,131982:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a07cal.d
Injection Date: 28-SEP-2016 21:43
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL7,131982:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a08cal.d
Lab Smp Id: 8260-CAL8,131983:0
Inj Date : 28-SEP-2016 22:15
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-cal8,131983:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 17 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.907	0.906	(0.218)	622145	300.000	284	
2	Chloromethane	50	0.993	0.992	(0.238)	808035	300.000	301	
3	Vinyl Chloride	62	1.035	1.034	(0.249)	826038	300.000	293	
4	Bromomethane	94	1.174	1.184	(0.282)	392558	300.000	301	
5	Chloroethane	64	1.222	1.227	(0.294)	451150	300.000	271	
6	Trichlorofluoromethane	101	1.340	1.344	(0.322)	856380	300.000	273	
7	Diethyl ether	74	1.463	1.467	(0.351)	345707	300.000	285	
8	1,2-dichlorotrifluoroethane	67	1.479	1.483	(0.355)	746324	300.000	275	
9	Acrolein	56	1.538	1.537	(0.369)	1251671	6000.00	5790	
10	1,1,2trichlorotrifluoroethane	101	1.586	1.590	(0.381)	697674	300.000	300	
11	1,1-Dichloroethene	96	1.591	1.595	(0.382)	561494	300.000	296	
12	Acetone	43	1.607	1.606	(0.386)	503206	1500.00	1310	
13	Iodomethane	142	1.676	1.681	(0.403)	1213722	600.000	678	
14	Carbon Disulfide	76	1.724	1.729	(0.414)	1778220	300.000	303	
15	Methyl Acetate	43	1.773	1.772	(0.426)	346672	300.000	298	
16	allyl chloride	41	1.789	1.788	(0.429)	2071803	600.000	556(M)	NI
17	Acetonitrile	39	1.789	1.788	(0.429)	1465910	300.000	273	
18	Methylene Chloride	84	1.863	1.863	(0.447)	594696	300.000	326	
19	Acrylonitrile	53	1.997	1.996	(0.479)	617114	1200.00	1260	
20	Methyl-tert-butyl ether	73	2.024	2.028	(0.486)	1632089	300.000	318	
21	tert-Butyl Alcohol	59	1.906	1.905	(0.458)	89414	600.000	605(QM)	WP
22	1,2-Dichloroethene (trans)	96	2.034	2.039	(0.488)	696991	300.000	326	
23	n-Hexane	57	2.221	2.220	(0.533)	1361351	300.000	320	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.328	2.332	(0.559)	4431246	1200.00	1320	
	25 1,1-Dichloroethane	63	2.339	2.343	(0.562)	1264151	300.000	315	
	26 Chloroprene	53	2.392	2.396	(0.574)	1305192	300.000	314	
	27 2-Butanone	72	2.803	2.802	(0.673)	231893	1500.00	1620(Q)	
	28 1,2-Dichloroethene (cis)	96	2.814	2.818	(0.676)	733512	300.000	320	
	29 2,2-Dichloropropane	77	2.819	2.824	(0.677)	1008624	300.000	317	
	30 Propionitrile	54	2.857	2.861	(0.686)	64683	300.000	302(Q)	
	31 Methacrylonitrile	41	3.006	3.005	(0.722)	357342	300.000	375	
	32 Bromochloromethane	49	3.049	3.048	(0.732)	457605	300.000	278	
	33 Tetrahydrofuran	42	3.070	3.069	(0.737)	116914	300.000	270	
	34 Chloroform	83	3.156	3.155	(0.758)	1132075	300.000	306	
$	35 Dibromofluoromethane (S)	113	3.332	3.331	(0.800)	97428	50.0000	50.3	
	36 1,1,1-Trichloroethane	97	3.332	3.337	(0.800)	1059442	300.000	302	
	37 Cyclohexane	56	3.418	3.422	(0.821)	1309578	300.000	311	
	38 n-Butyl chloride	56	3.482	3.481	(0.836)	1635359	300.000	311	
	39 Carbon Tetrachloride	117	3.519	3.518	(0.845)	921988	300.000	314	
	40 1,1-Dichloropropene	75	3.524	3.523	(0.846)	957285	300.000	302	
	41 Benzene	78	3.765	3.764	(0.904)	2653698	300.000	301	
	42 1,2-Dichloroethane	62	3.850	3.849	(0.924)	769594	300.000	288	
	43 2,2,4-Trimethylpentane	57	3.946	3.945	(0.947)	3268177	300.000	308(MH)	LT
	44 Isobutyl alcohol	43	3.882	3.881	(0.932)	4475776	300.000	311	
*	45 Fluorobenzene (IS)	96	4.165	4.164	(1.000)	428468	50.0000		
	46 Trichloroethene	95	4.619	4.618	(1.109)	650078	300.000	291	
	47 Methylcyclohexane	55	4.886	4.885	(1.173)	1081667	300.000	316	
	48 1,2-Dichloropropane	63	4.924	4.923	(1.182)	634522	300.000	307	
	49 Dibromomethane	93	5.020	5.019	(1.205)	283948	300.000	300	
	50 1,4-Dioxane	88	5.031	5.035	(1.208)	81036	6000.00	6010	
	51 Methyl methacrylate	69	5.041	5.040	(1.210)	307226	300.000	332	
	52 Bromodichloromethane	83	5.250	5.243	(1.260)	754310	300.000	316	
	53 2-Chloroethyl vinyl ether	63	5.597	5.601	(0.762)	41955	600.000	597	
	54 cis-1,3-Dichloropropene	75	5.741	5.745	(0.782)	918821	300.000	327	
	55 4-Methyl-2-Pentanone	43	5.923	5.916	(0.807)	2072417	1500.00	1610	
$	56 Toluene-d8 (S)	98	6.019	6.018	(0.820)	391944	50.0000	50.7	
	57 Toluene	91	6.093	6.092	(0.830)	2771332	300.000	302	
	58 trans-1,3-Dichloropropene	75	6.377	6.381	(0.868)	747348	300.000	329	
	59 Ethyl Methacrylate	69	6.467	6.466	(0.881)	590157	300.000	350	
	60 1,1,2-Trichloroethane	83	6.563	6.563	(0.894)	332844	300.000	304	
	61 Tetrachloroethene	166	6.617	6.616	(0.901)	647535	300.000	310	
	62 1,3-Dichloropropane	76	6.708	6.707	(0.913)	695816	300.000	302	
	63 2-Hexanone	43	6.777	6.776	(0.923)	1339738	1500.00	1640	
	64 Dibromochloromethane	129	6.889	6.888	(0.938)	490310	300.000	320	
	65 1,2-Dibromoethane	107	6.975	6.974	(0.950)	364275	300.000	309	
*	66 Chlorobenzene-D5 (IS)	117	7.343	7.342	(1.000)	249470	50.0000		
	67 Chlorobenzene	112	7.370	7.364	(1.004)	1570650	300.000	306	
	68 1,1,1,2-Tetrachloroethane	131	7.445	7.444	(1.014)	529600	300.000	327	
	69 Ethylbenzene	106	7.450	7.449	(1.015)	906347	300.000	322	
	70 m&p-Xylene	106	7.552	7.545	(1.028)	2214171	600.000	640	
	71 o-Xylene	106	7.808	7.807	(1.063)	1023740	300.000	320	
	72 Styrene	104	7.824	7.823	(1.065)	1817430	300.000	351	
	73 Bromoform	173	7.941	7.941	(0.898)	270488	300.000	320	
	74 Isopropylbenzene	105	8.054	8.053	(1.097)	2930938	300.000	330	
$	75 4-Bromofluorobenzene (S)	95	8.166	8.165	(1.112)	120375	50.0000	54.1	
	76 Bromobenzene	77	8.246	8.245	(1.123)	941519	300.000	323	
	77 1,1,2,2-Tetrachloroethane	83	8.257	8.256	(0.934)	439913	300.000	288	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)		REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.278	8.277	(1.127)	138118	300.000	340	(Q)	
79	1,2,3-Trichloropropane	110	8.283	8.282	(0.937)	131236	300.000	271		
80	n-Propylbenzene	91	8.315	8.309	(0.941)	3361048	300.000	309		
81	2-Chlorotoluene	91	8.363	8.362	(0.946)	1876832	300.000	308		
82	1,3,5-Trimethylbenzene	105	8.422	8.421	(0.953)	2351768	300.000	320		
83	4-Chlorotoluene	126	8.438	8.437	(0.955)	653930	300.000	304		
84	tert-Butylbenzene	119	8.604	8.603	(0.973)	2709262	300.000	323		
85	1,2,4-Trimethylbenzene	105	8.636	8.635	(0.977)	2322122	300.000	313		
86	sec-Butylbenzene	105	8.727	8.726	(0.987)	3223272	300.000	323		
87	1,3-Dichlorobenzene	146	8.796	8.795	(0.995)	1182488	300.000	304		
88	p-Isopropyltoluene	119	8.812	8.811	(0.997)	2743151	300.000	330		
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.843	(1.000)	121204	50.0000		(Q)	
90	1,4-Dichlorobenzene	146	8.855	8.854	(1.002)	1161387	300.000	288		
91	n-Butylbenzene	91	9.031	9.030	(1.022)	2489002	300.000	331		
92	1,2-Dichlorobenzene	146	9.047	9.046	(1.024)	1063735	300.000	302		
93	1,2,4-Trichlorobenzene	180	9.859	9.858	(1.115)	757658	300.000	325		
94	1,2-Dibromo-3-chloropropane	155	9.453	9.457	(1.069)	64002	300.000	326		
95	Hexachlorobutadiene	225	9.923	9.927	(1.123)	458708	300.000	320		
96	Naphthalene	128	9.998	10.002	(1.131)	1474006	300.000	309		
97	1,2,3-Trichlorobenzene	180	10.115	10.114	(1.144)	686832	300.000	311		
98	2,methyl-naphthalene	142	10.628	10.632	(1.202)	1048748	300.000	337		
99	1-Methylnaphthalene	142	10.746	10.745	(1.216)	922456	300.000	346		

QC Flag Legend

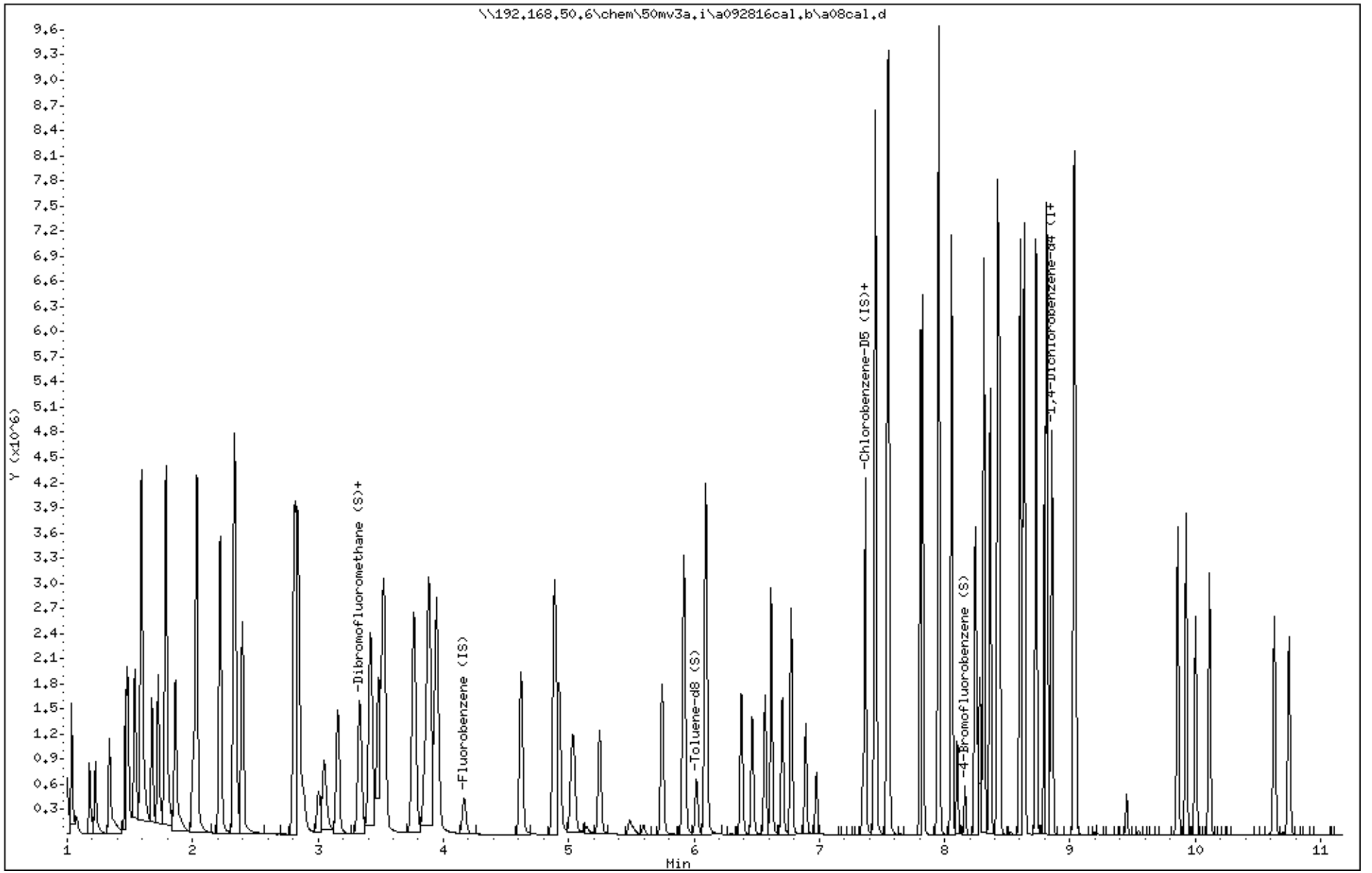
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.
WP: Indicates that the wrong peak was chosen by the data system.
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).

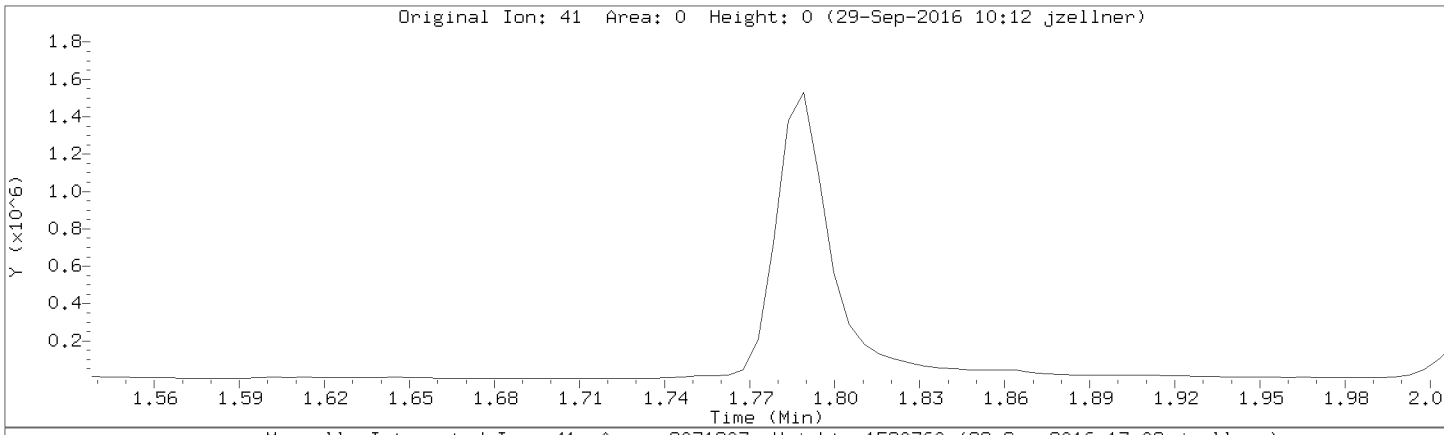
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a08cal.d
Date : 28-SEP-2016 22:15
Client ID:
Sample Info: 8260-CAL8,131983:0
Purge Volume: 5.0
Column phase: DB-624

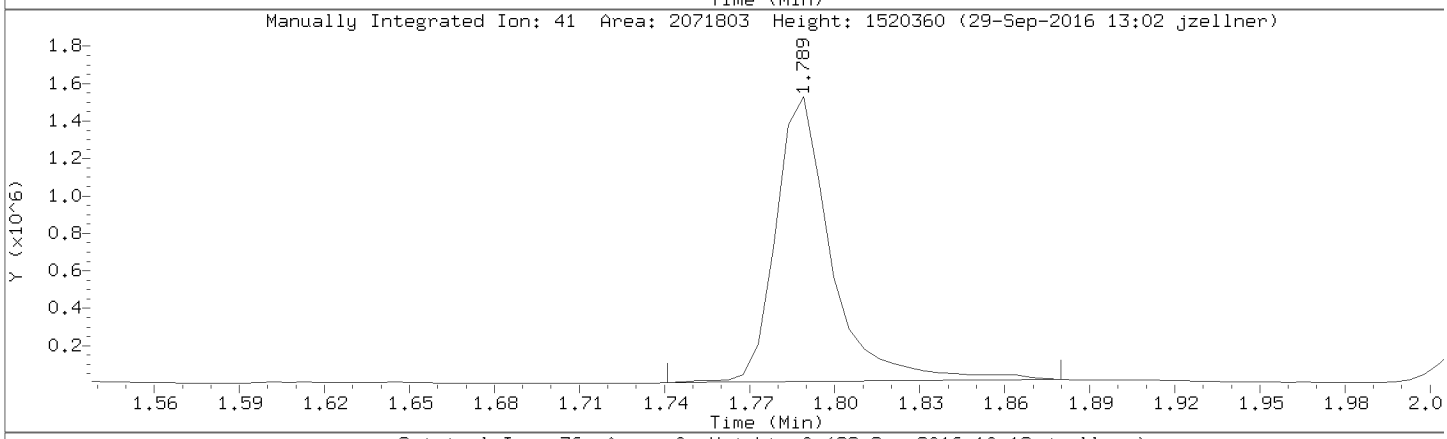
Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18

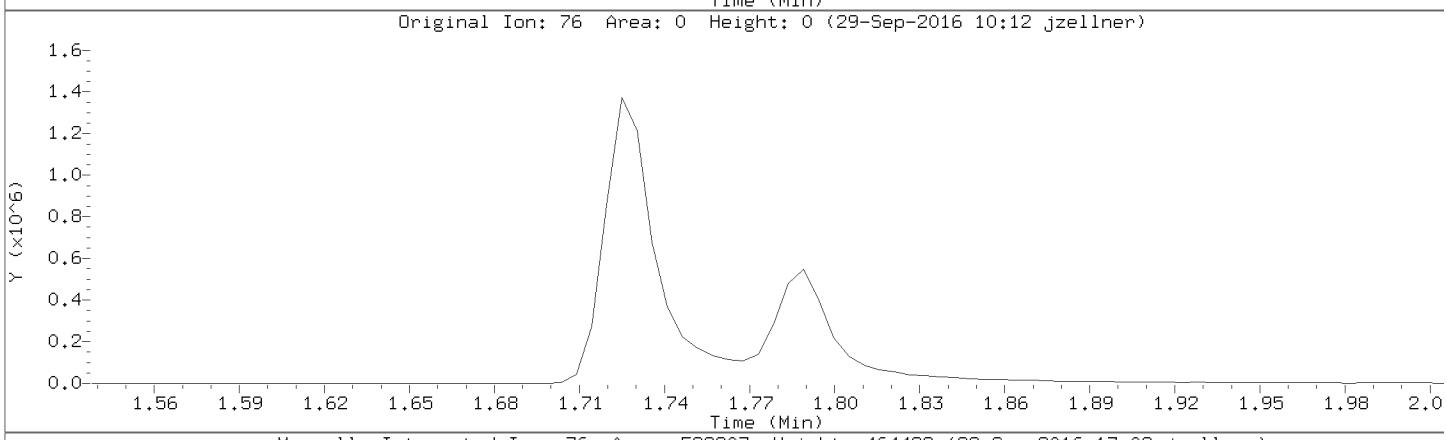


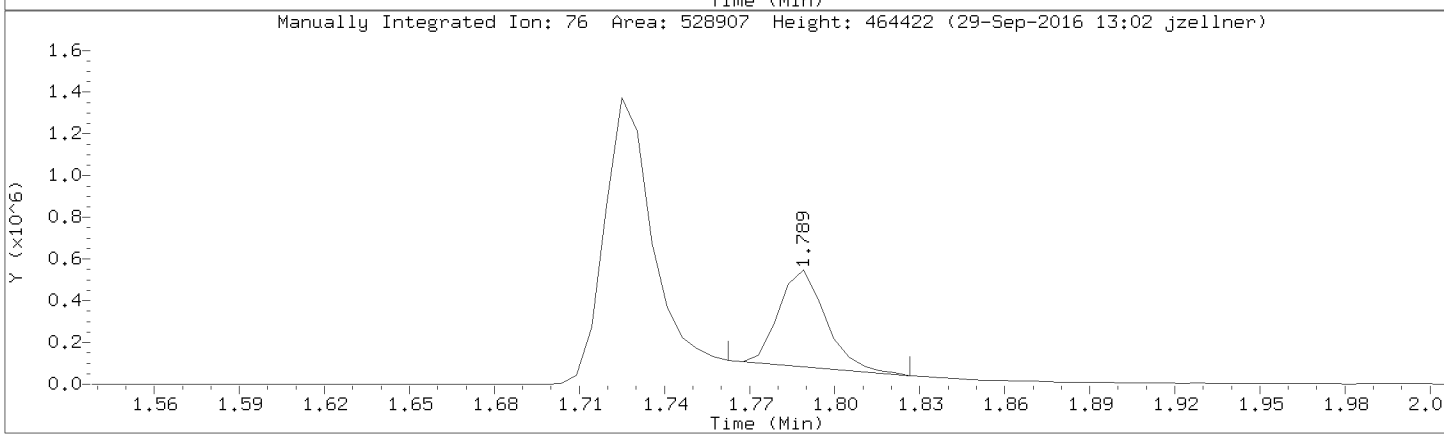
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a08cal.d
Injection Date: 28-SEP-2016 22:15
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL8,131983:0

Compound: allyl chloride Review Code: NI
CAS Number: 107-05-1



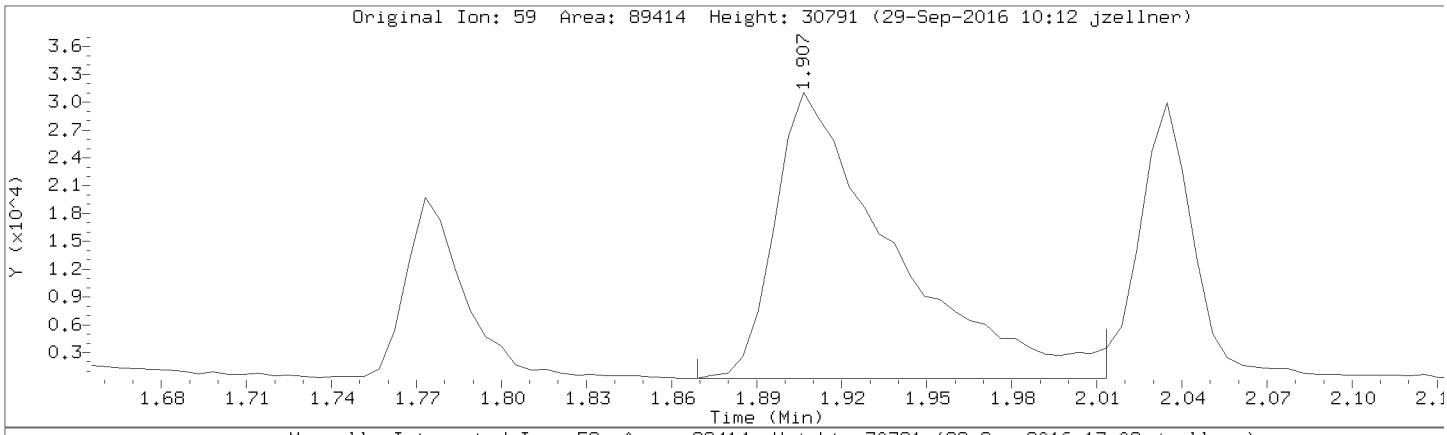


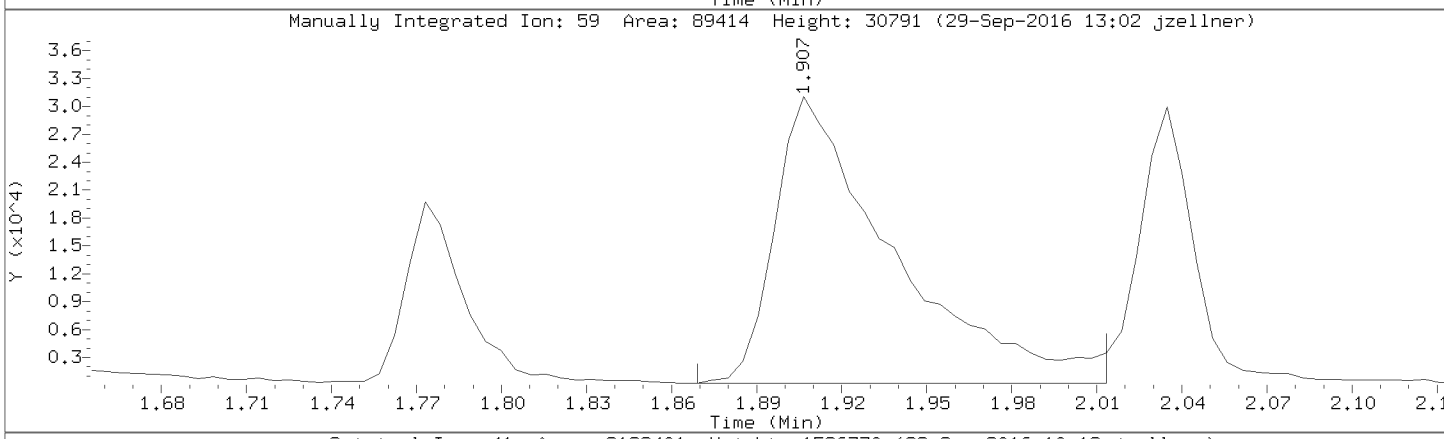


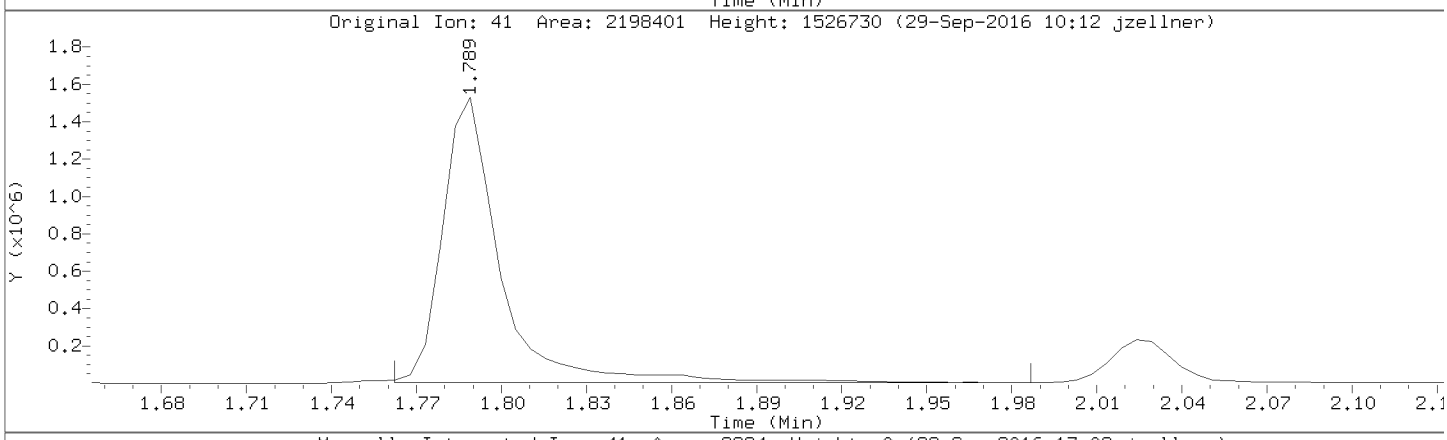


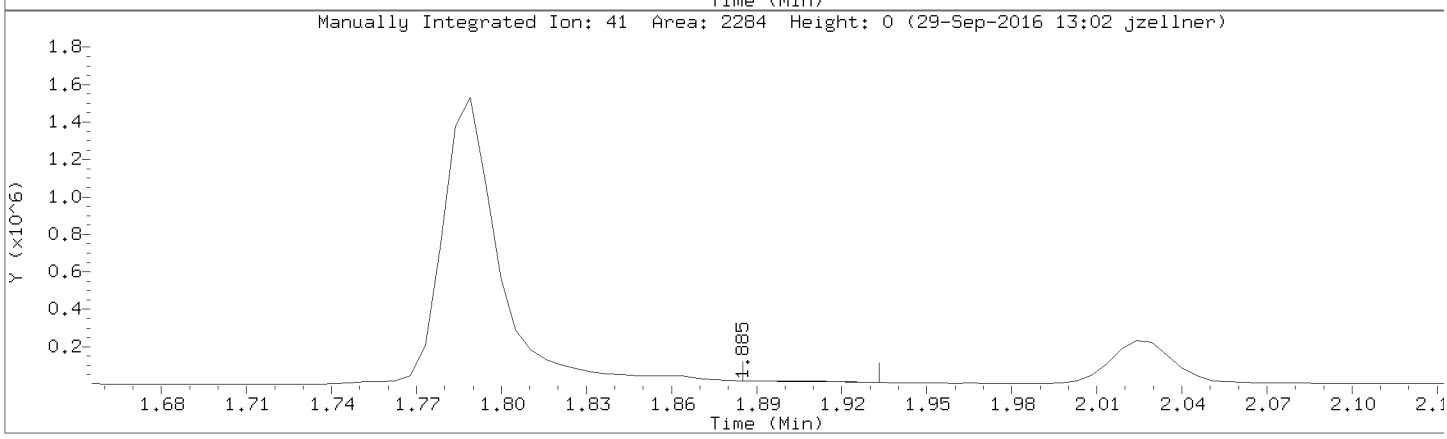
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a08cal.d
Injection Date: 28-SEP-2016 22:15
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL8,131983:0

Compound: tert-Butyl Alcohol Review Code: WP
CAS Number: 75-65-0



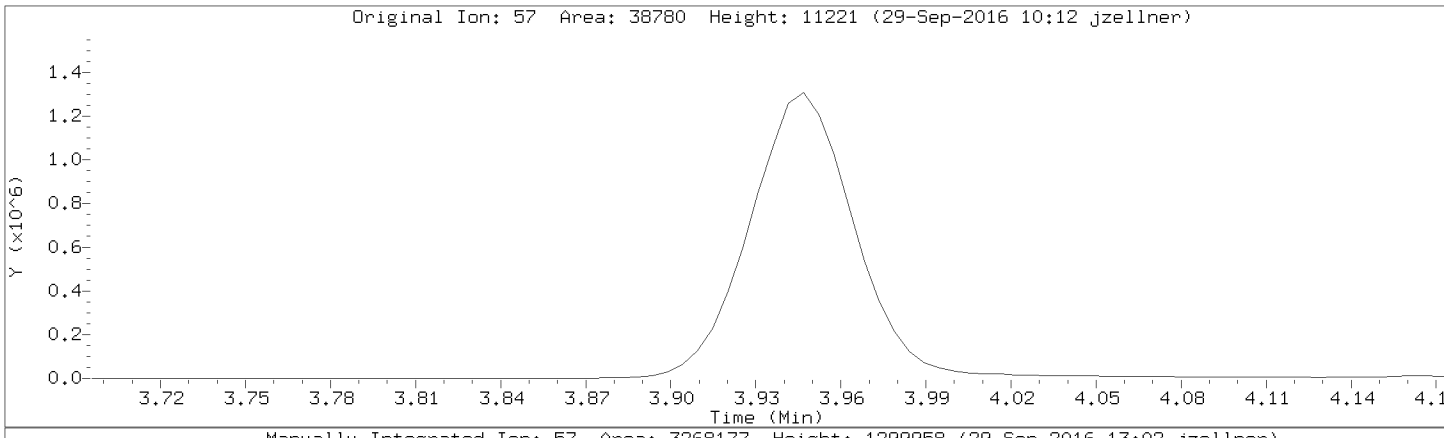


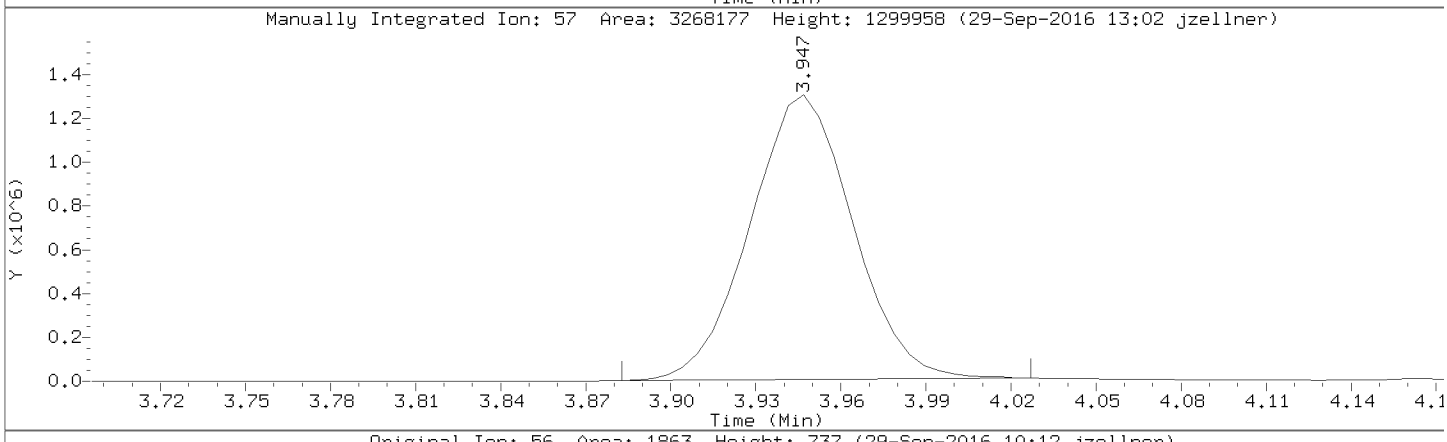


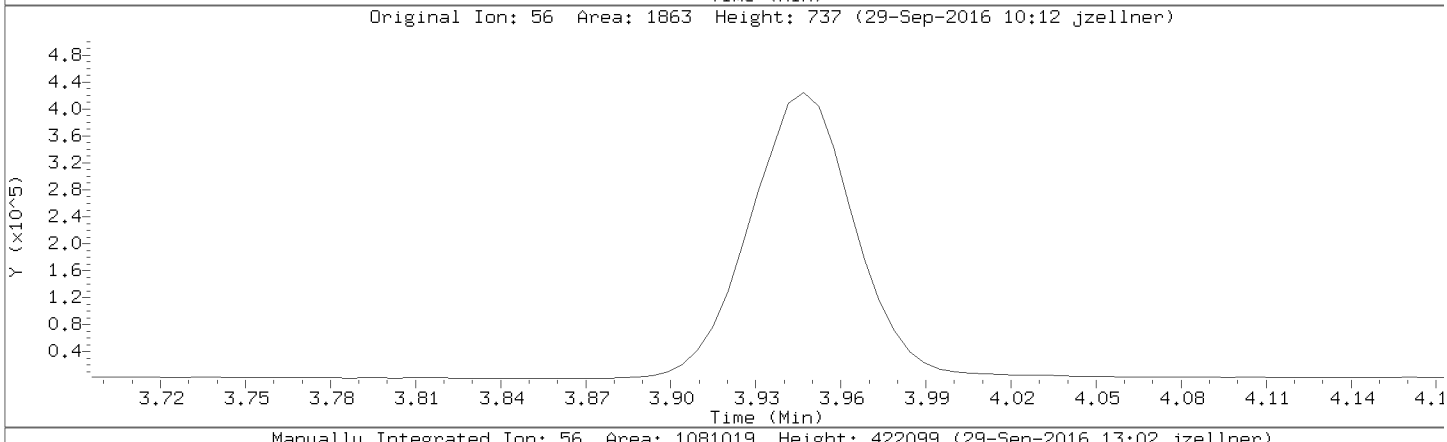


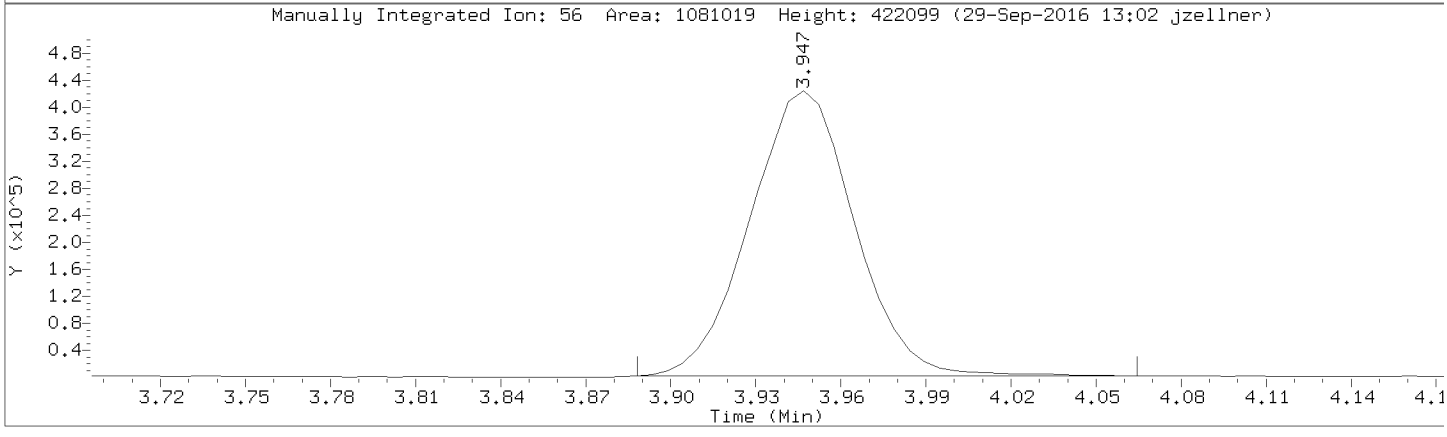
Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b/a08cal.d
Injection Date: 28-SEP-2016 22:15
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL8,131983:0

Compound: 2,2,4-Trimethylpentane Review Code: LT
CAS Number: 540-84-1









Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b01cal.d
Lab Smp Id: 8260-CAL1,128587:0
Inj Date : 16-AUG-2016 10:36
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal1,128587:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 10:36 Cal File: b01cal.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	2 Chloromethane	50	0.996	0.996	(0.239)	4434	1.00000	1.57	
	3 Vinyl Chloride	62	1.044	1.044	(0.250)	2225	1.00000	0.862(M)	
	4 Bromomethane	94	1.194	1.194	(0.286)	1226	1.00000	0.952(Q)	
	6 Trichlorofluoromethane	101	1.348	1.348	(0.323)	2597	1.00000	0.831	
	7 Diethyl ether	74	1.477	1.477	(0.354)	1269	1.00000	1.31	
	8 1,2-dichlorotrifluoroethane	67	1.493	1.493	(0.358)	3339	1.00000	1.44	
	9 Acrolein	56	1.551	1.551	(0.372)	3269	20.0000	37.7	
	10 1,1,2trichlorotrifluoroethane	101	1.600	1.600	(0.383)	1747	1.00000	0.915	
	13 Iodomethane	142	1.690	1.690	(0.405)	2537	2.00000	1.47	
	16 allyl chloride	41	1.797	1.797	(0.431)	5662	2.00000	2.07	
	17 Acetonitrile	39	1.797	1.797	(0.431)	4813	1.00000	1.16	
	18 Methylene Chloride	84	1.872	1.872	(0.449)	4090	1.00000	2.15	
	21 Methyl-tert-butyl ether	73	2.037	2.037	(0.488)	4326	1.00000	1.02	
	22 1,2-Dichloroethene (trans)	96	2.048	2.048	(0.491)	1753	1.00000	0.988	
	28 1,2-Dichloroethene (cis)	96	2.828	2.828	(0.678)	1645	1.00000	0.910(Q)	
	34 Chloroform	83	3.175	3.175	(0.761)	3315	1.00000	1.10	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	79493	50.0000	48.6	
	36 1,1,1-Trichloroethane	97	3.346	3.346	(0.802)	3018	1.00000	1.05	
	37 Cyclohexane	56	3.432	3.432	(0.822)	3448	1.00000	1.15	
	40 Benzene	78	3.773	3.773	(0.904)	7864	1.00000	1.12(M)	NI
	43 2,2,4-Trimethylpentane	57	3.950	3.950	(0.946)	9033	1.00000	1.15	
*	44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	349285	50.0000		
	45 Trichloroethene	95	4.628	4.628	(1.109)	1802	1.00000	1.01	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
$	55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	338548	50.0000	50.2	
	56 Toluene	91	6.097	6.097	(0.830)	9433	1.00000	1.18	
	60 Tetrachloroethene	166	6.625	6.625	(0.902)	1888	1.00000	0.945	
	63 Dibromochloromethane	129	6.893	6.893	(0.938)	1524	1.00000	1.04	
	64 1,2-Dibromoethane	107	6.978	6.978	(0.950)	1302	1.00000	1.14	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	254955	50.0000		
	66 Chlorobenzene	112	7.368	7.368	(1.003)	5246	1.00000	1.08	
	67 1,1,1,2-Tetrachloroethane	131	7.443	7.443	(1.013)	1849	1.00000	1.11	
	68 Ethylbenzene	106	7.453	7.453	(1.015)	2878	1.00000	0.996	
	69 m&p-Xylene	106	7.549	7.549	(1.028)	7053	2.00000	2.02	
	70 o-Xylene	106	7.811	7.811	(1.063)	3203	1.00000	0.968	
	71 Styrene	104	7.827	7.827	(1.065)	5498	1.00000	1.00	
	73 Isopropylbenzene	105	8.057	8.057	(1.097)	9519	1.00000	1.05	
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	119444	50.0000	49.4	
	75 Bromobenzene	77	8.244	8.244	(1.122)	3379	1.00000	1.14	
	76 1,1,2,2-Tetrachloroethane	83	8.254	8.254	(0.934)	1240	1.00000	0.912	
	79 n-Propylbenzene	91	8.313	8.313	(0.940)	10891	1.00000	1.05	
	80 2-Chlorotoluene	91	8.361	8.361	(0.946)	6392	1.00000	1.09	
	81 1,3,5-Trimethylbenzene	105	8.425	8.425	(0.953)	8488	1.00000	1.14	
	82 4-Chlorotoluene	126	8.436	8.436	(0.954)	2341	1.00000	1.08	
	83 tert-Butylbenzene	119	8.602	8.602	(0.973)	9211	1.00000	1.06	
	84 1,2,4-Trimethylbenzene	105	8.639	8.639	(0.977)	8309	1.00000	1.10	
	85 sec-Butylbenzene	105	8.730	8.730	(0.987)	10562	1.00000	1.06	
	86 1,3-Dichlorobenzene	146	8.799	8.799	(0.995)	4474	1.00000	1.08	
	87 p-Isopropyltoluene	119	8.815	8.815	(0.997)	9498	1.00000	1.10	
*	88 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	130468	50.0000		
	89 1,4-Dichlorobenzene	146	8.858	8.858	(1.002)	4889	1.00000	1.14(Q)	
	90 n-Butylbenzene	91	9.034	9.034	(1.022)	8343	1.00000	1.08	
	91 1,2-Dichlorobenzene	146	9.045	9.045	(1.023)	4195	1.00000	1.09	
	93 1,2,4-Trichlorobenzene	180	9.878	9.878	(1.117)	2978	1.00000	1.14	
	95 Naphthalene	128	10.022	10.022	(1.133)	6289	1.00000	1.15	
	96 1,2,3-Trichlorobenzene	180	10.135	10.135	(1.146)	2509	1.00000	1.08	
	97 2,methyl-naphthalene	142	10.658	10.658	(1.205)	4309	1.00000	1.18	
	98 1-Methylnaphthalene	142	10.770	10.770	(1.218)	3751	1.00000	1.19	

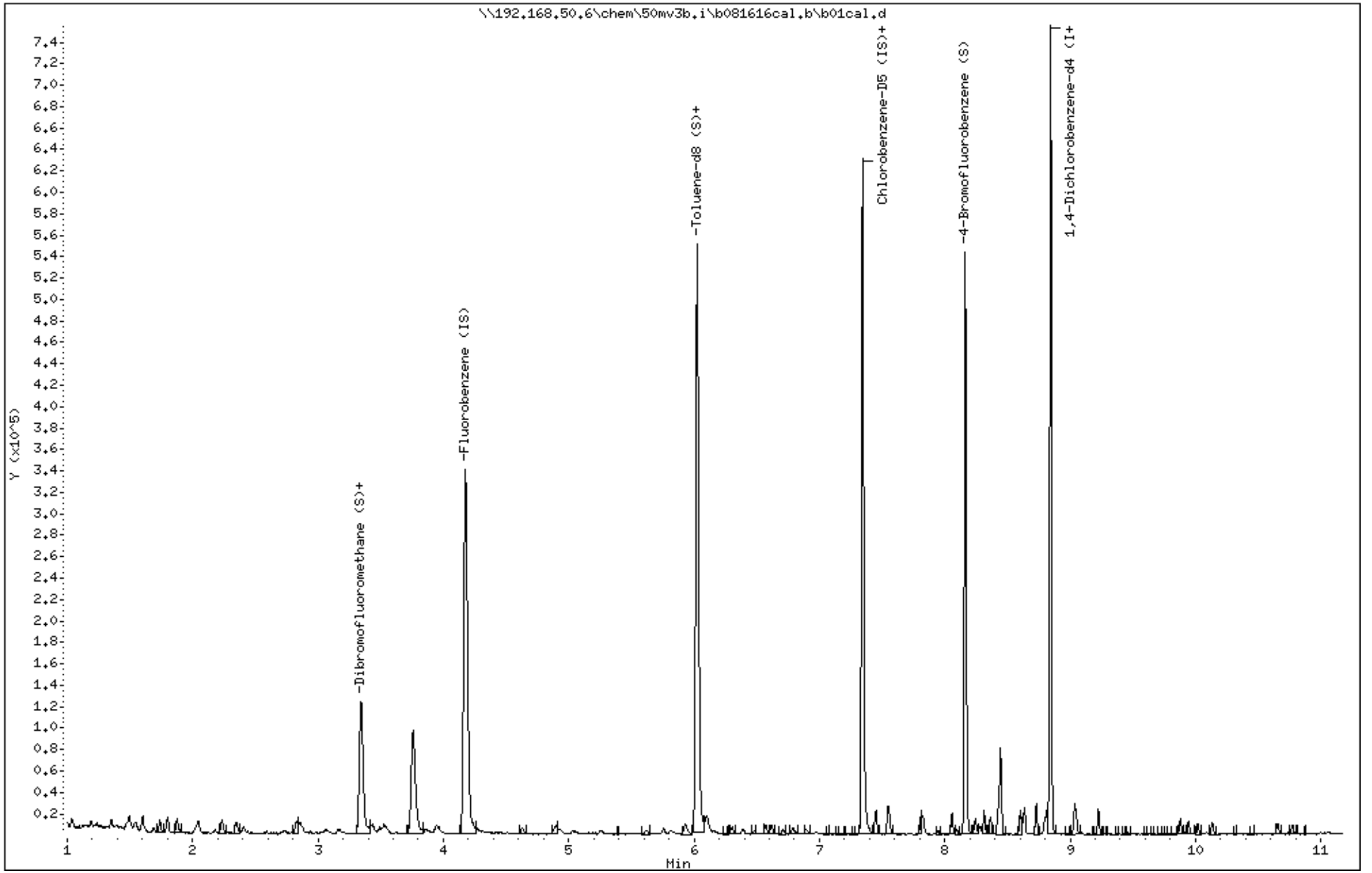
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

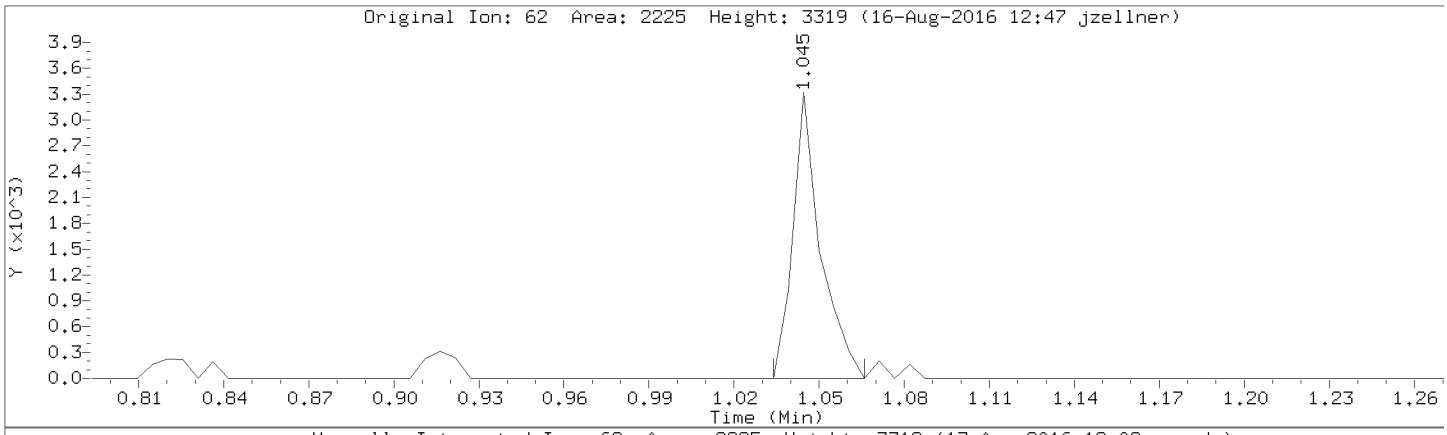
:
NI: Indicates that the peak was not integrated at all by the computer software.

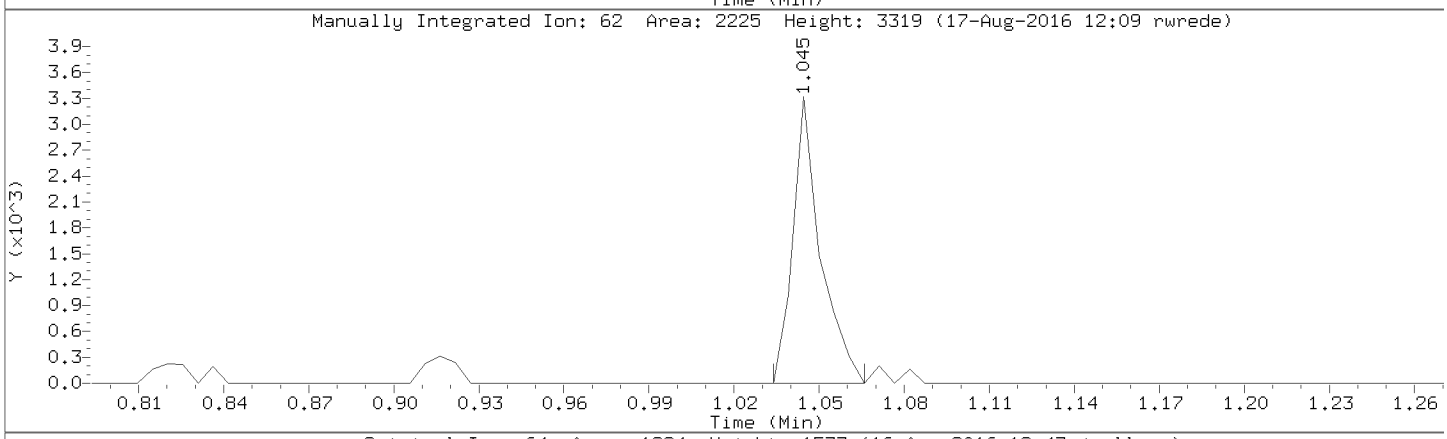
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b01cal.d
Date : 16-AUG-2016 10:36
Client ID:
Instrument: 50mv3b.i
Sample Info: 8260-CAL1,128587:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18

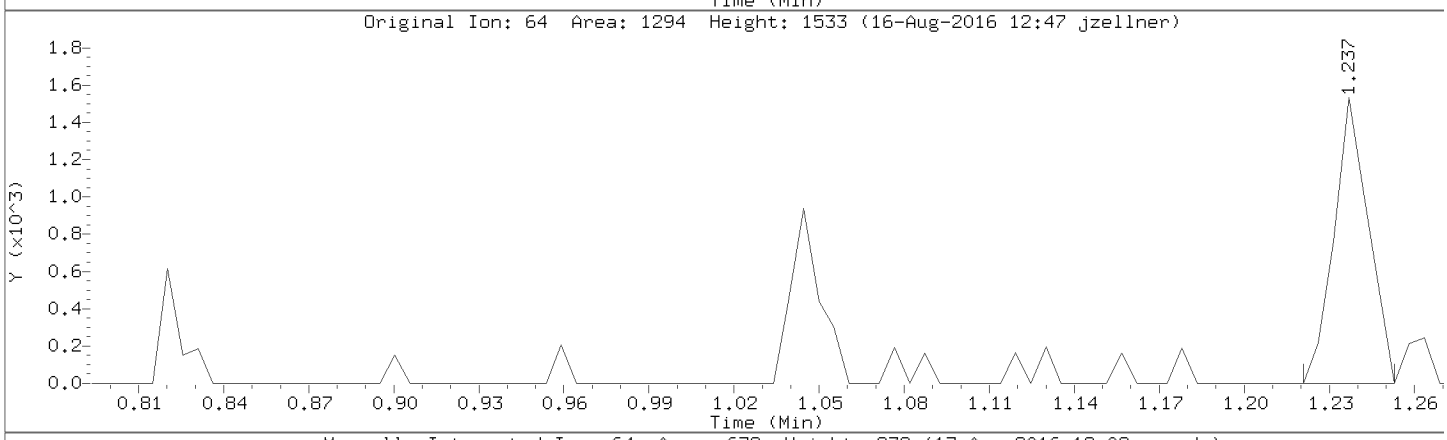


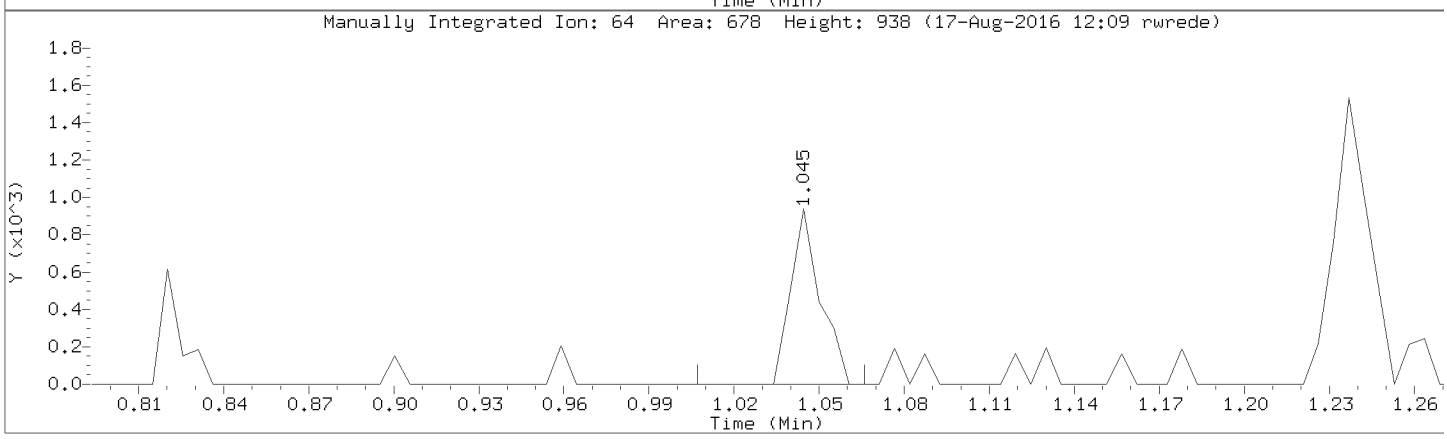
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b01cal.d
Injection Date: 16-AUG-2016 10:36
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL1,128587:0

Compound: Vinyl Chloride Review Code:
CAS Number: 75-01-4



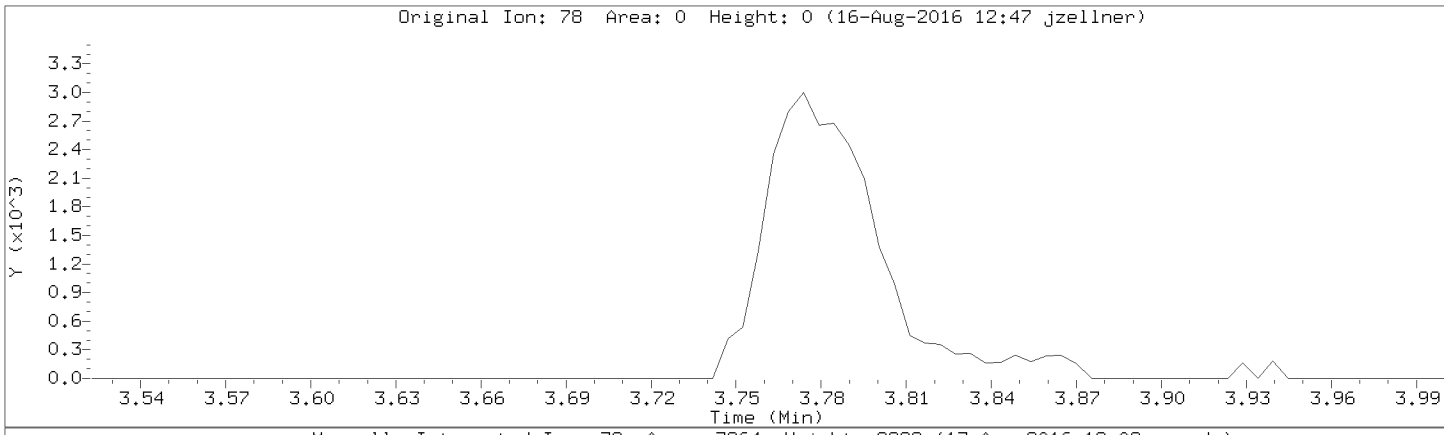


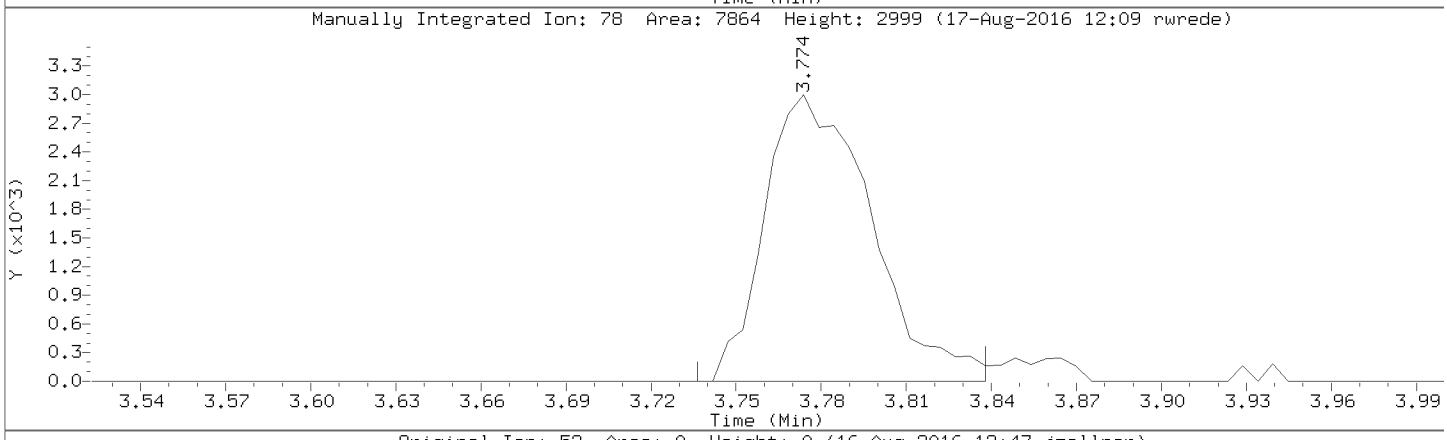


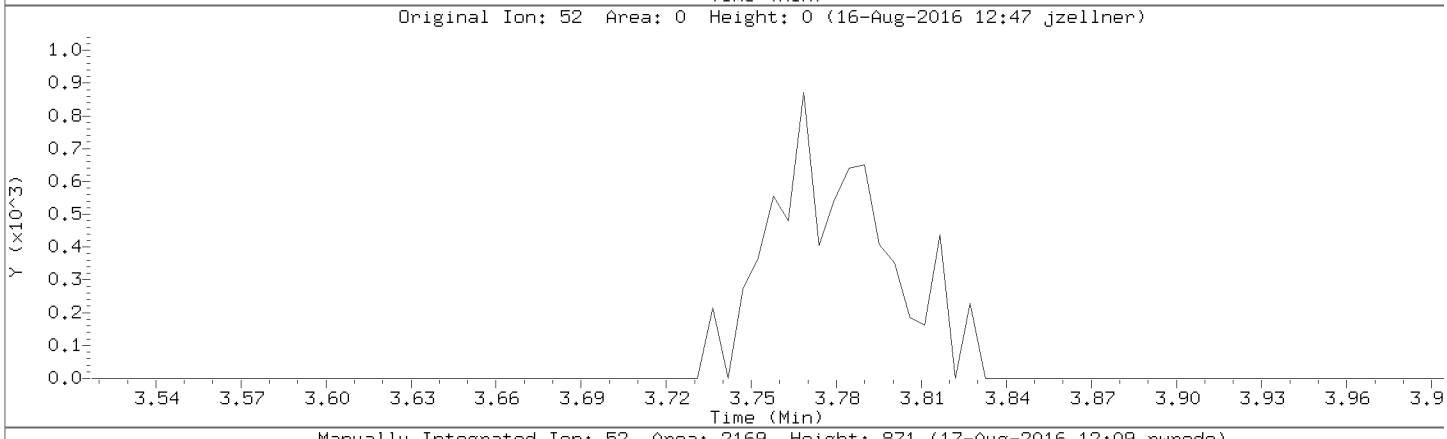


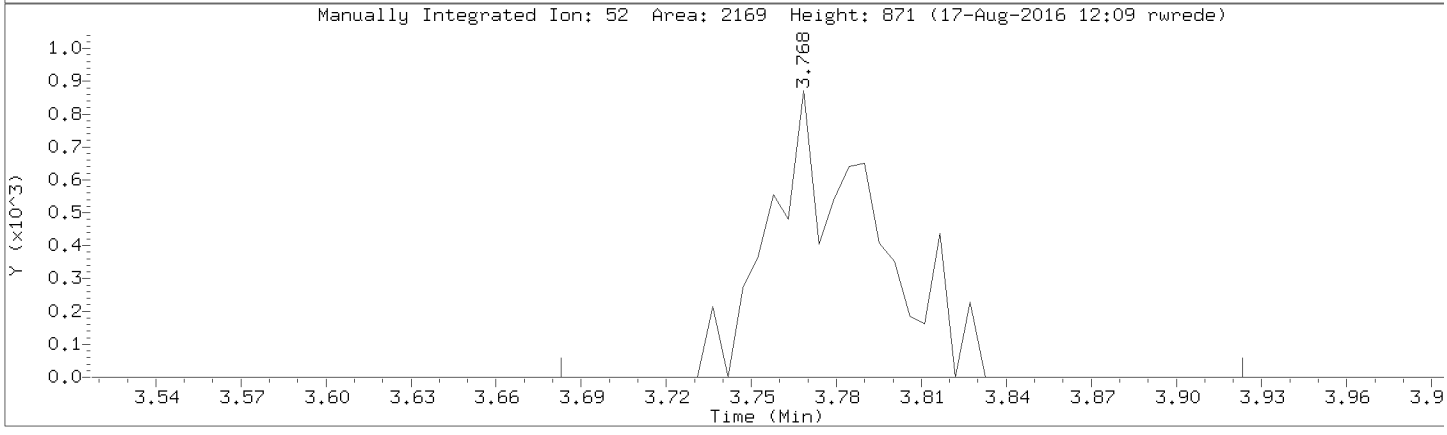
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b01cal.d
Injection Date: 16-AUG-2016 10:36
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL1,128587:0

Compound: Benzene Review Code: NI
CAS Number: 71-43-2

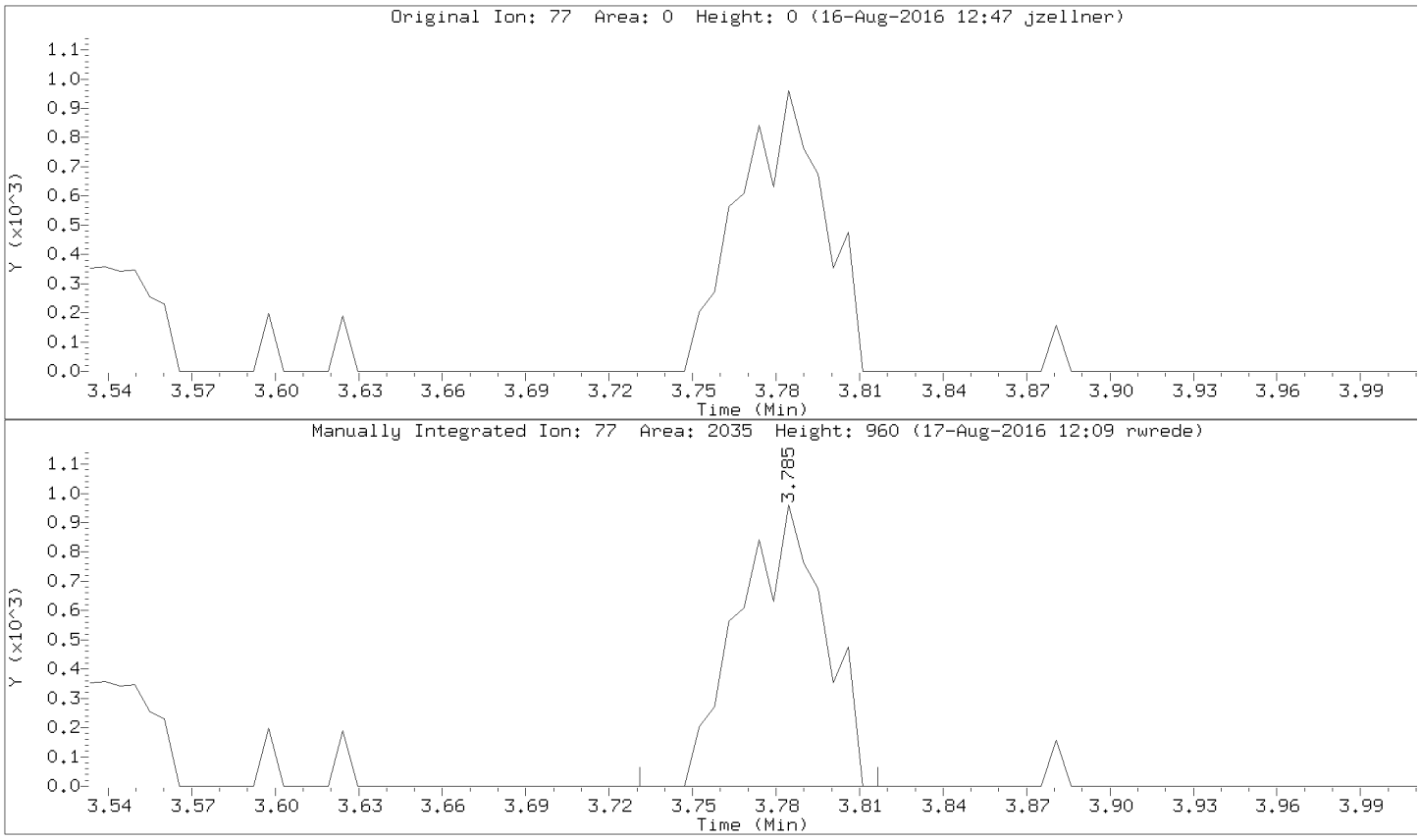








Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b01cal.d
Injection Date: 16-AUG-2016 10:36
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL1,128587:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b02cal.d
Lab Smp Id: 8260-CAL2,128588:0
Inj Date : 16-AUG-2016 11:08
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal2,128588:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 11:08 Cal File: b02cal.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.919	0.913	(0.220)	5225	2.00000	2.02(T)	
2	Chloromethane	50	0.999	0.996	(0.239)	6846	2.00000	2.49	
3	Vinyl Chloride	62	1.047	1.044	(0.251)	5058	2.00000	2.01	
4	Bromomethane	94	1.191	1.194	(0.285)	2544	2.00000	2.02	
5	Chloroethane	64	1.239	1.234	(0.297)	2924	2.00000	2.01(M)	NI
6	Trichlorofluoromethane	101	1.351	1.348	(0.324)	5895	2.00000	1.93	
7	Diethyl ether	74	1.474	1.477	(0.353)	1533	2.00000	1.63(Q)	
8	1,2-dichlorotrifluoroethane	67	1.490	1.493	(0.357)	4629	2.00000	2.05	
9	Acrolein	56	1.544	1.551	(0.370)	3555	40.0000	42.0	
10	1,1,2trichlorotrifluoroethane	101	1.602	1.600	(0.384)	3398	2.00000	1.82	
11	1,1-Dichloroethene	96	1.602	1.602	(0.384)	2667	2.00000	1.77	
12	Acetone	43	1.613	1.613	(0.386)	4044	10.0000	13.0	
13	Iodomethane	142	1.688	1.690	(0.404)	4554	4.00000	2.70	
14	Carbon Disulfide	76	1.736	1.736	(0.416)	15234	2.00000	2.59	
16	allyl chloride	41	1.800	1.797	(0.431)	10225	4.00000	3.84	
17	Acetonitrile	39	1.795	1.797	(0.430)	7044	2.00000	1.73	
18	Methylene Chloride	84	1.875	1.872	(0.449)	4986	2.00000	2.69	
19	tert-Butyl Alcohol	59	1.918	1.917	(0.459)	852	4.00000	6.01(M)	NI
20	Acrylonitrile	53	2.014	2.008	(0.482)	2670	8.00000	7.07	
21	Methyl-tert-butyl ether	73	2.035	2.037	(0.487)	7583	2.00000	1.83	
22	1,2-Dichloroethene (trans)	96	2.051	2.048	(0.491)	3286	2.00000	1.90	
23	n-Hexane	57	2.233	2.233	(0.535)	7210	2.00000	2.26	
24	Vinyl Acetate	43	2.345	2.339	(0.561)	18992	8.00000	7.21	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	25 1,1-Dichloroethane	63	2.350	2.350	(0.563)	5407	2.00000	1.84(M)	NI
	26 Chloroprene	53	2.409	2.409	(0.577)	4903	2.00000	1.72(M)	NI
	27 2-Butanone	72	2.826	2.809	(0.677)	1261	10.0000	10.2(QM)	NI
	28 1,2-Dichloroethene (cis)	96	2.831	2.828	(0.678)	3074	2.00000	1.74(Q)	
	29 2,2-Dichloropropane	77	2.831	2.831	(0.678)	5174	2.00000	1.90	
	32 Bromochloromethane	49	3.061	3.060	(0.733)	2190	2.00000	1.89	
	33 Tetrahydrofuran	42	3.098	3.082	(0.742)	1268	2.00000	3.26(M)	NI
	34 Chloroform	83	3.173	3.175	(0.760)	5954	2.00000	2.02	
$	35 Dibromofluoromethane (S)	113	3.344	3.341	(0.801)	79035	50.0000	49.5	
	36 1,1,1-Trichloroethane	97	3.349	3.346	(0.802)	5102	2.00000	1.82	
	37 Cyclohexane	56	3.429	3.432	(0.821)	6176	2.00000	2.11	
	151 n-Butyl chloride	56	3.488	3.493	(0.835)	7375	2.00000	1.91	
	38 Carbon Tetrachloride	117	3.531	3.530	(0.845)	4425	2.00000	1.83	
	39 1,1-Dichloropropene	75	3.536	3.536	(0.847)	4484	2.00000	1.88	
	40 Benzene	78	3.771	3.773	(0.903)	13244	2.00000	1.97	
	41 1,2-Dichloroethane	62	3.872	3.862	(0.927)	3475	2.00000	1.88(M)	NI
	42 Isobutyl alcohol	43	3.952	3.958	(0.946)	3646	2.00000	2.47(QM)	NI
	43 2,2,4-Trimethylpentane	57	3.952	3.950	(0.946)	13136	2.00000	1.71	
*	44 Fluorobenzene (IS)	96	4.177	4.174	(1.000)	340886	50.0000		
	45 Trichloroethene	95	4.636	4.628	(1.110)	3324	2.00000	1.90	
	46 Methylcyclohexane	55	4.893	4.892	(1.171)	5100	2.00000	2.08	
	47 1,2-Dichloropropane	63	4.930	4.930	(1.180)	3375	2.00000	2.12(M)	NI
	48 Methyl methacrylate	69	5.063	5.047	(1.212)	1363	2.00000	1.70(QM)	NI
	49 Dibromomethane	93	5.031	5.026	(1.205)	1410	2.00000	1.81	
	50 1,4-Dioxane	88	5.063	5.042	(1.212)	210	40.0000	22.3(QM)	NI
	51 Bromodichloromethane	83	5.256	5.250	(1.258)	3981	2.00000	1.95(M)	NI
	52 2-Chloroethyl vinyl ether	63	5.614	5.608	(0.764)	2663	4.00000	3.82(M)	NI
	53 cis-1,3-Dichloropropene	75	5.752	5.747	(0.783)	4304	2.00000	1.76	
	54 4-Methyl-2-Pentanone	43	5.929	5.923	(0.807)	9704	10.0000	9.46	
$	55 Toluene-d8 (S)	98	6.025	6.022	(0.820)	331718	50.0000	50.0	
	56 Toluene	91	6.100	6.097	(0.831)	15687	2.00000	2.00	
	57 trans-1,3-Dichloropropene	75	6.388	6.383	(0.870)	3508	2.00000	1.72	
	58 Ethyl Methacrylate	69	6.473	6.468	(0.881)	3153	2.00000	1.89(M)	NI
	59 1,1,2-Trichloroethane	83	6.564	6.564	(0.894)	1729	2.00000	1.80	
	60 Tetrachloroethene	166	6.623	6.625	(0.902)	3658	2.00000	1.86	
	61 1,3-Dichloropropane	76	6.708	6.708	(0.913)	3474	2.00000	1.81(M)	NI
	62 2-Hexanone	43	6.783	6.778	(0.924)	7112	10.0000	10.0(M)	NI
	63 Dibromochloromethane	129	6.895	6.893	(0.939)	2437	2.00000	1.68	
	64 1,2-Dibromoethane	107	6.981	6.978	(0.951)	1959	2.00000	1.75	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	250868	50.0000		
	66 Chlorobenzene	112	7.365	7.368	(1.003)	9076	2.00000	1.90	
	67 1,1,1,2-Tetrachloroethane	131	7.440	7.443	(1.013)	3001	2.00000	1.82	
	68 Ethylbenzene	106	7.451	7.453	(1.015)	5563	2.00000	1.96	
	69 m&p-Xylene	106	7.552	7.549	(1.028)	13021	4.00000	3.79	
	70 o-Xylene	106	7.814	7.811	(1.064)	6091	2.00000	1.87	
	71 Styrene	104	7.825	7.827	(1.065)	9771	2.00000	1.81	
	72 Bromoform	173	7.948	7.942	(0.899)	1667	2.00000	1.93(M)	NI
	73 Isopropylbenzene	105	8.054	8.057	(1.097)	16165	2.00000	1.81	
$	74 4-Bromofluorobenzene (S)	95	8.167	8.164	(1.112)	116329	50.0000	48.9	
	75 Bromobenzene	77	8.247	8.244	(1.123)	5255	2.00000	1.80	
	76 1,1,2,2-Tetrachloroethane	83	8.257	8.254	(0.934)	2549	2.00000	1.89	
	77 trans-1,4-Dichloro-2-butene	53	8.279	8.273	(1.127)	653	2.00000	1.68(QM)	NI
	78 1,2,3-Trichloropropane	110	8.284	8.284	(0.937)	936	2.00000	2.16(QM)	NI
	79 n-Propylbenzene	91	8.311	8.313	(0.940)	19409	2.00000	1.88	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
80	2-Chlorotoluene	91	8.364	8.361	(0.946)	10651	2.00000	1.83	
81	1,3,5-Trimethylbenzene	105	8.423	8.425	(0.953)	13827	2.00000	1.86	
82	4-Chlorotoluene	126	8.439	8.436	(0.955)	4186	2.00000	1.94	
83	tert-Butylbenzene	119	8.605	8.602	(0.973)	16377	2.00000	1.89	
84	1,2,4-Trimethylbenzene	105	8.637	8.639	(0.977)	13959	2.00000	1.87	
85	sec-Butylbenzene	105	8.727	8.730	(0.987)	17546	2.00000	1.78	
86	1,3-Dichlorobenzene	146	8.797	8.799	(0.995)	7607	2.00000	1.84	
87	p-Isopropyltoluene	119	8.813	8.815	(0.997)	15699	2.00000	1.83	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.842	(1.000)	129578	50.0000		
89	1,4-Dichlorobenzene	146	8.856	8.858	(1.002)	8321	2.00000	1.95	
90	n-Butylbenzene	91	9.032	9.034	(1.022)	13549	2.00000	1.77	
91	1,2-Dichlorobenzene	146	9.048	9.045	(1.024)	7461	2.00000	1.96	
92	1,2-Dibromo-3-chloropropane	155	9.459	9.459	(1.070)	519	2.00000	2.13(M)	NI
93	1,2,4-Trichlorobenzene	180	9.876	9.878	(1.117)	5032	2.00000	1.95	
94	Hexachlorobutadiene	225	9.934	9.929	(1.124)	2716	2.00000	1.90	
95	Naphthalene	128	10.015	10.022	(1.133)	10565	2.00000	1.94	
96	1,2,3-Trichlorobenzene	180	10.127	10.135	(1.146)	4559	2.00000	1.97	
97	2,methyl-naphthalene	142	10.650	10.658	(1.205)	6923	2.00000	1.91	
98	1-Methylnaphthalene	142	10.762	10.770	(1.218)	6095	2.00000	1.95	

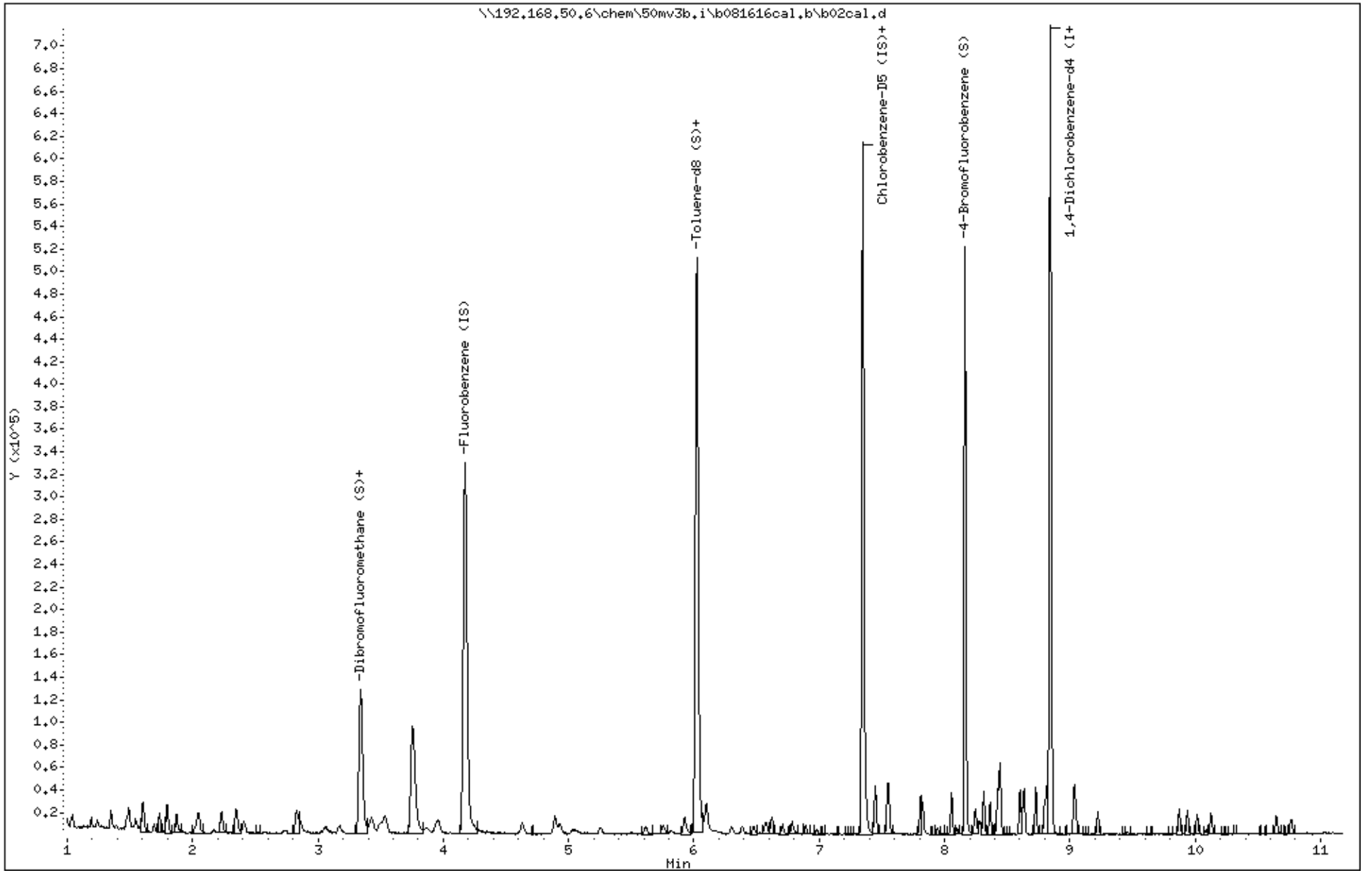
QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b02cal.d
Date : 16-AUG-2016 11:08
Client ID:
Instrument: 50mv3b.i
Sample Info: 8260-CAL2,128588:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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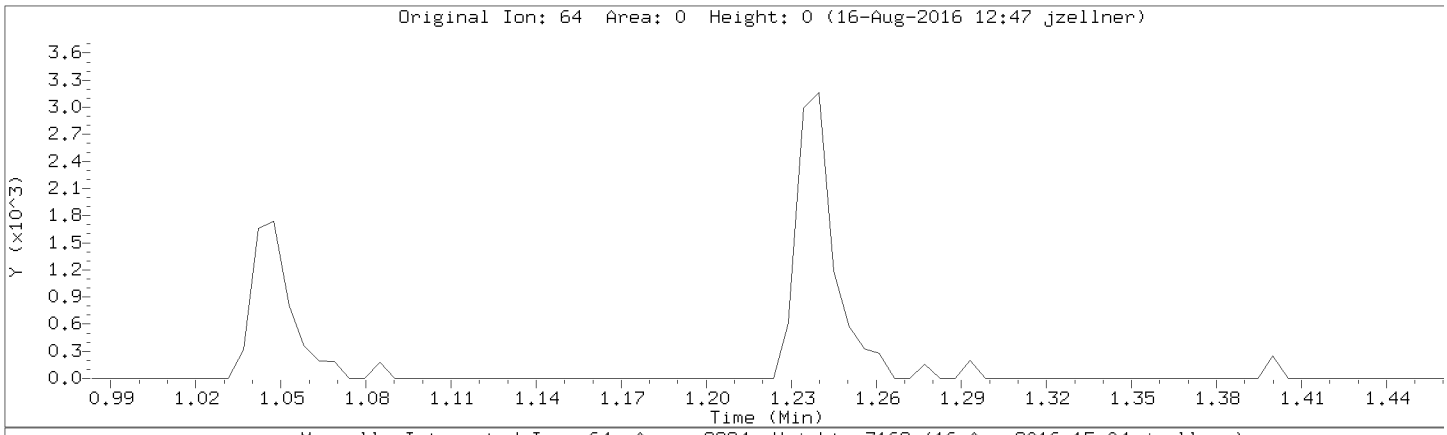
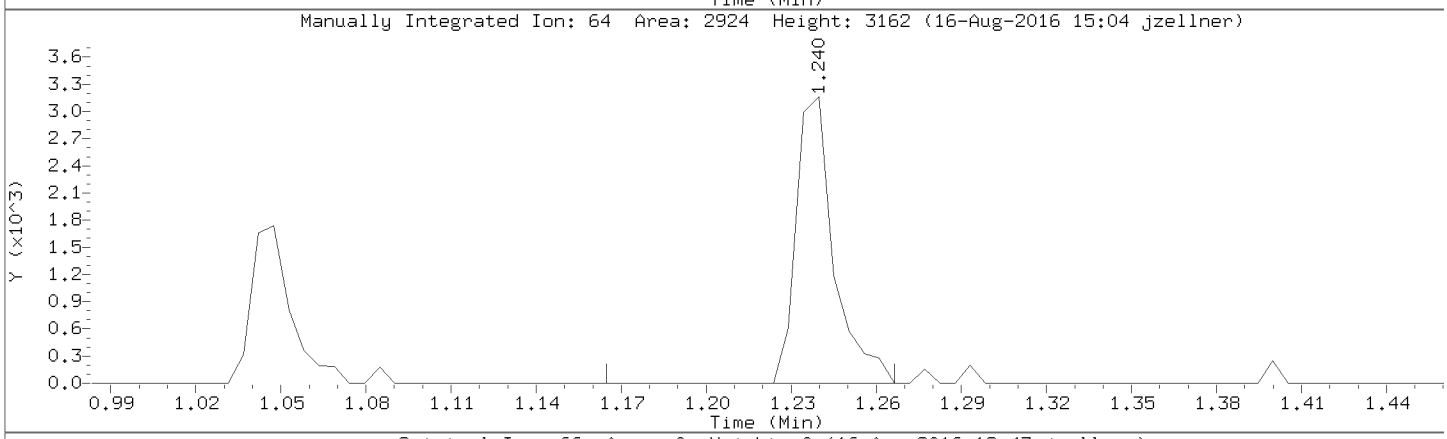
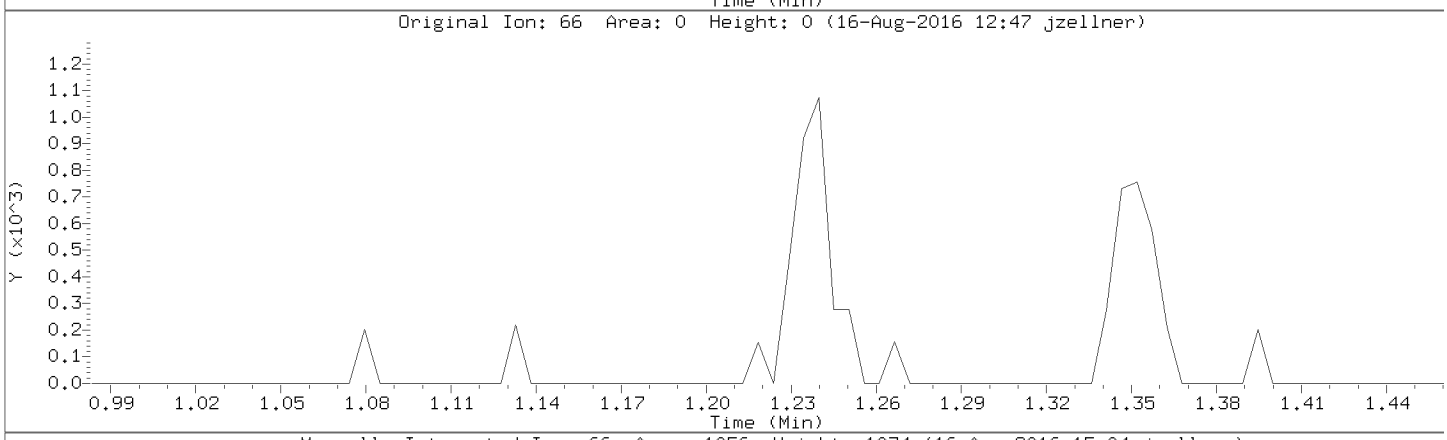
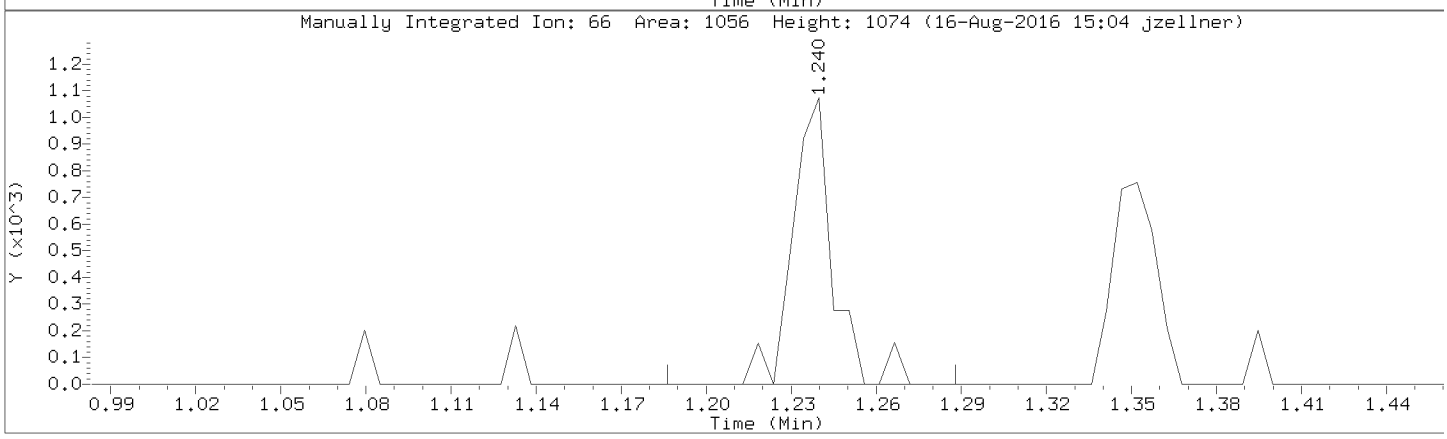
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Chloroethane Review Code: NI
CAS Number: 75-00-3









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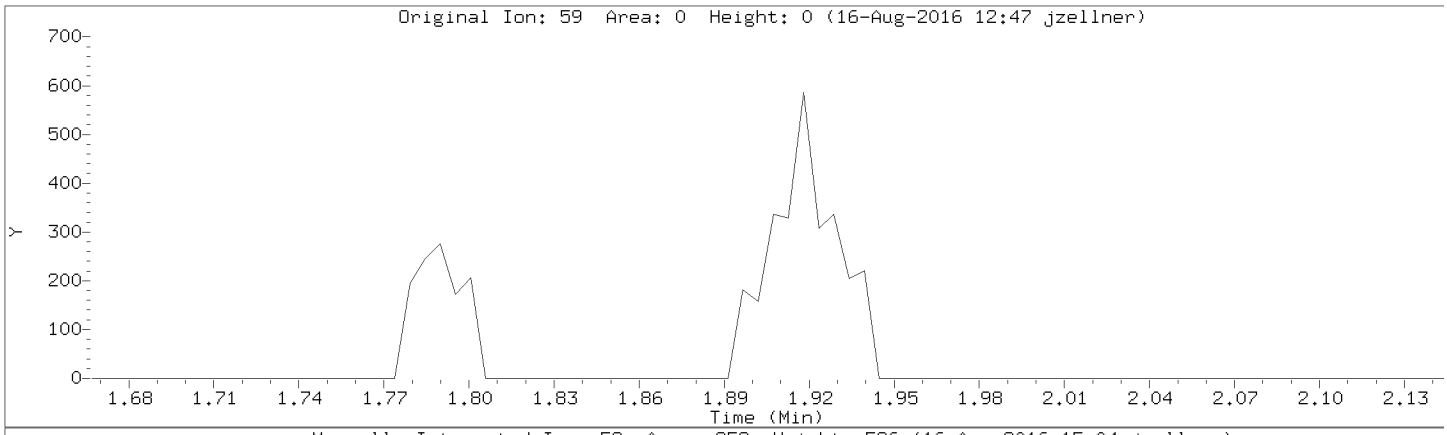
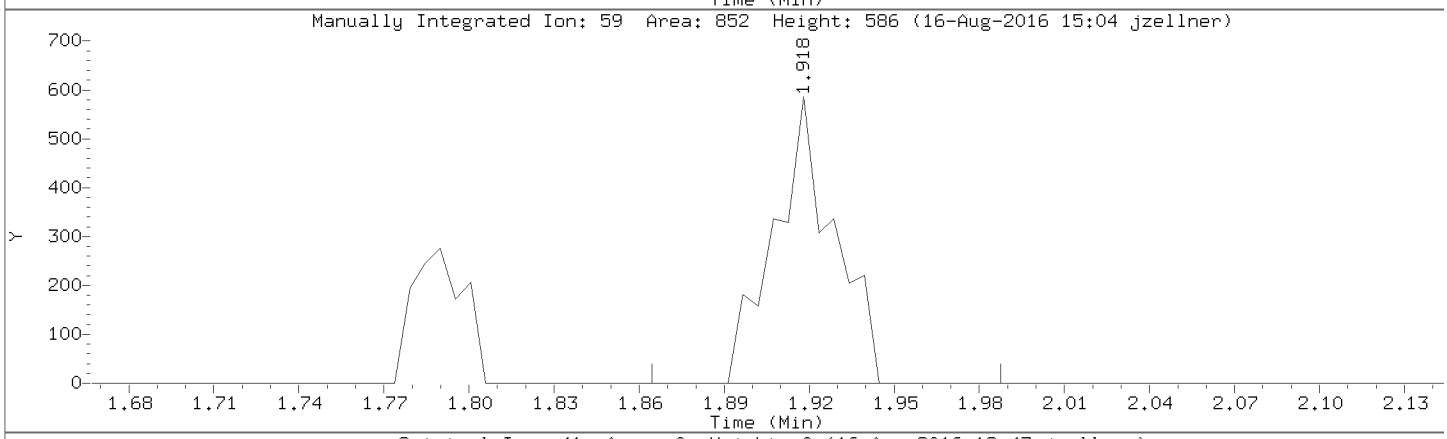
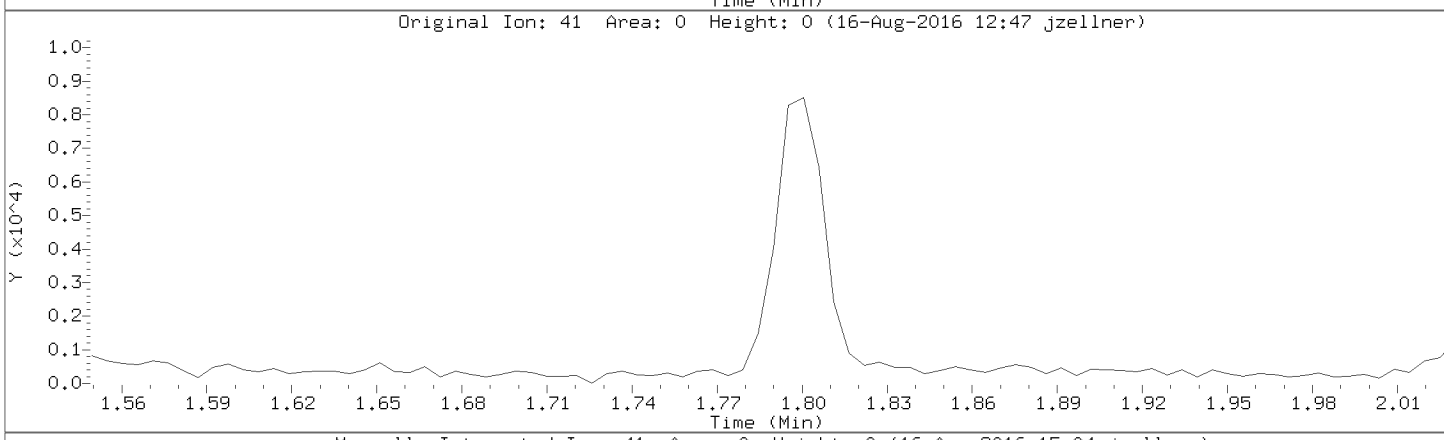
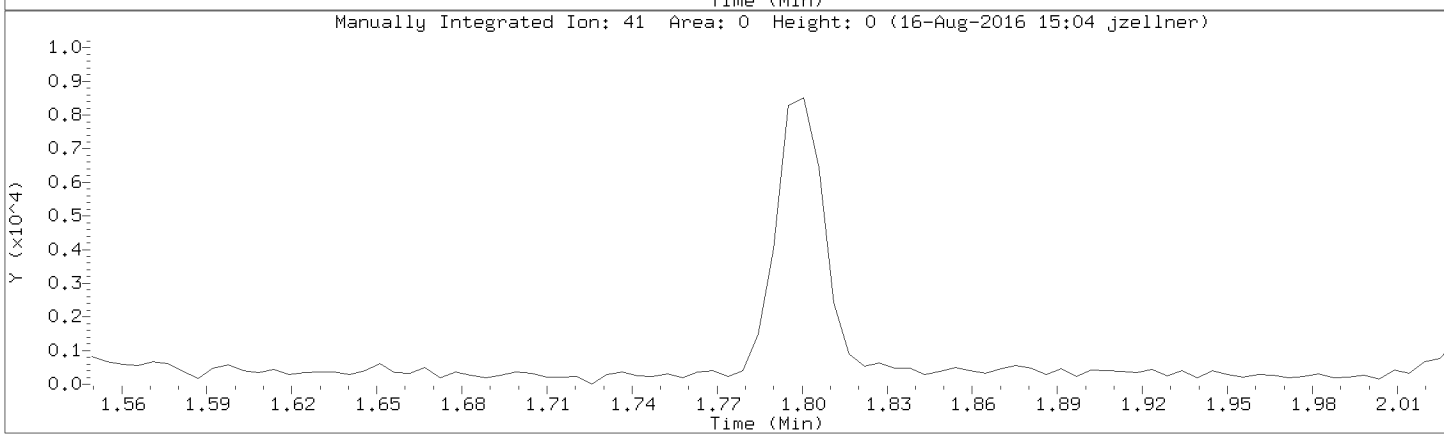
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: tert-Butyl Alcohol Review Code: NI
CAS Number: 75-65-0









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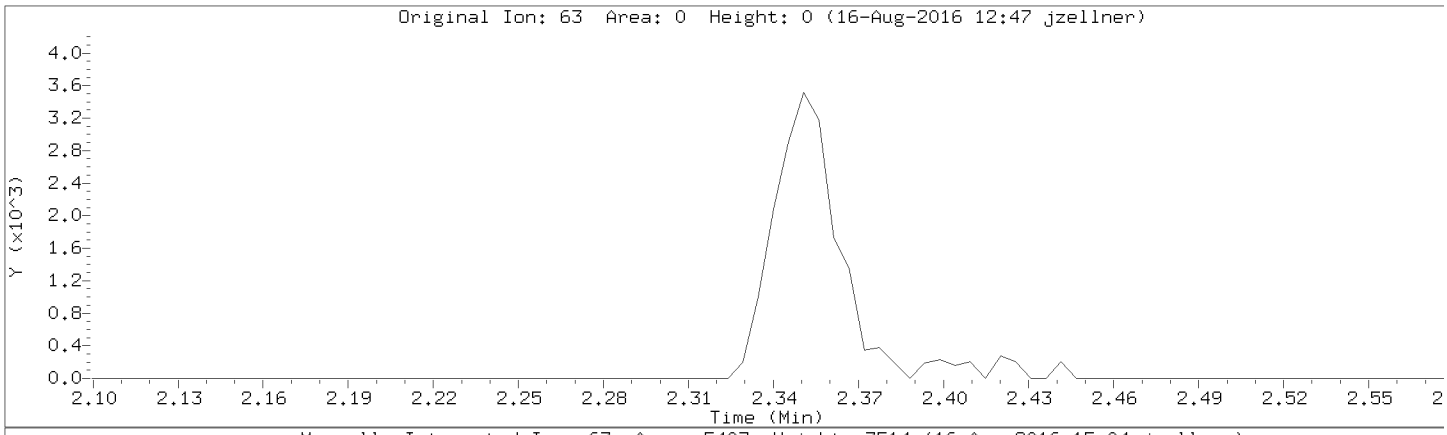
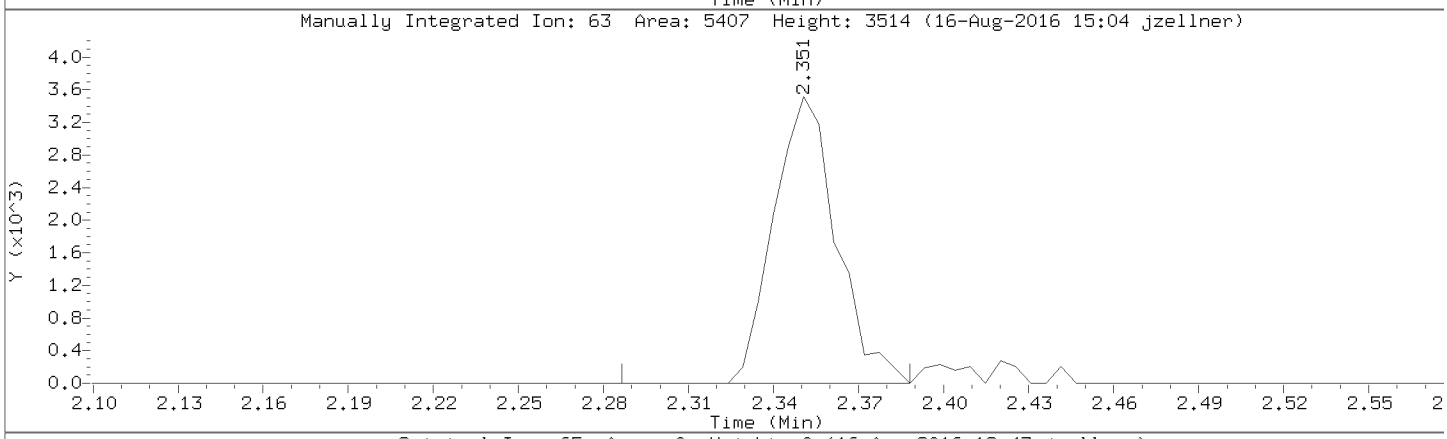
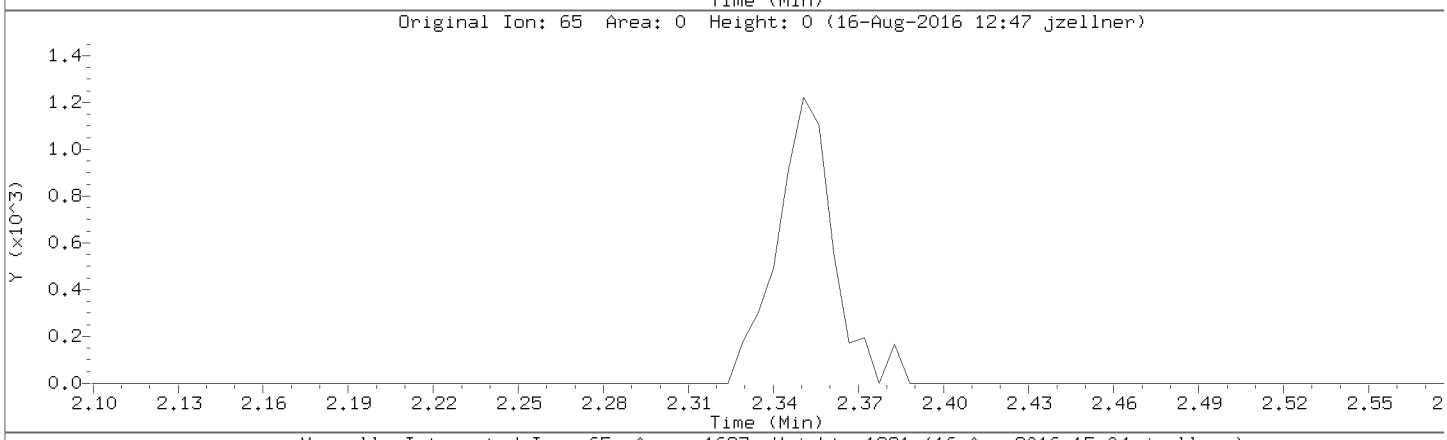
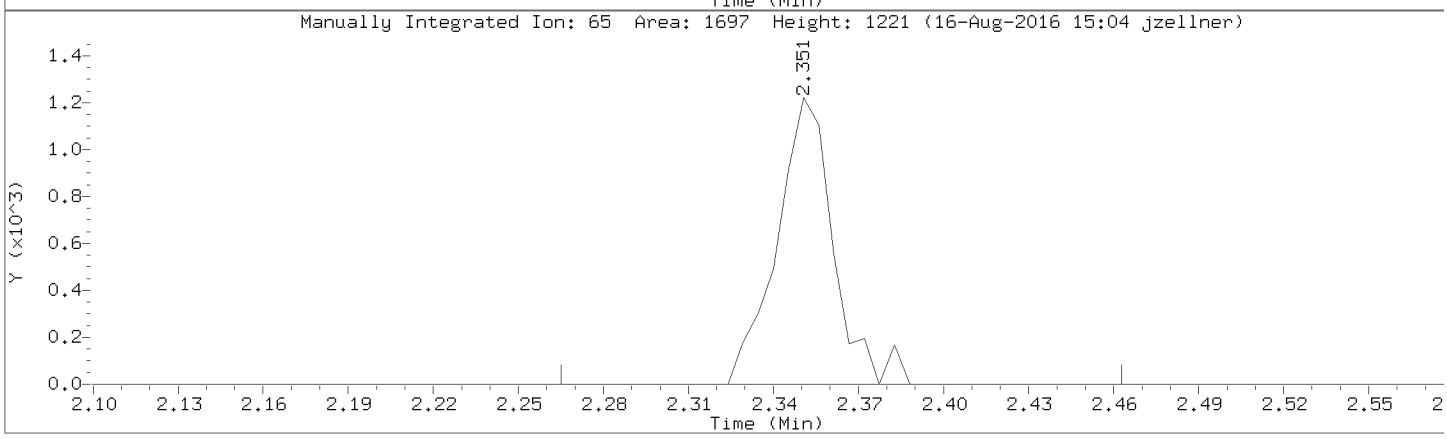
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 1,1-Dichloroethane Review Code: NI
CAS Number: 75-34-3









Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
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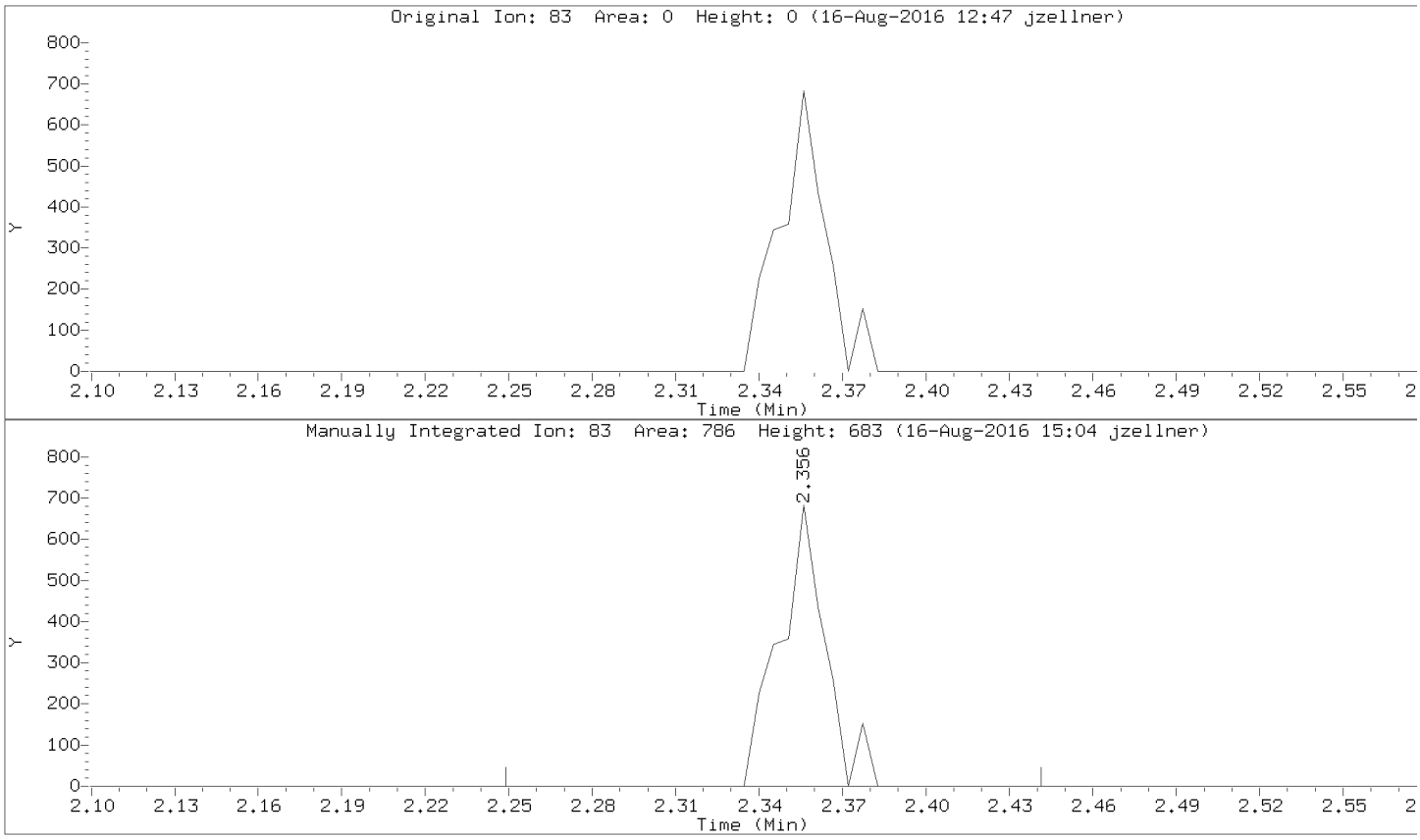
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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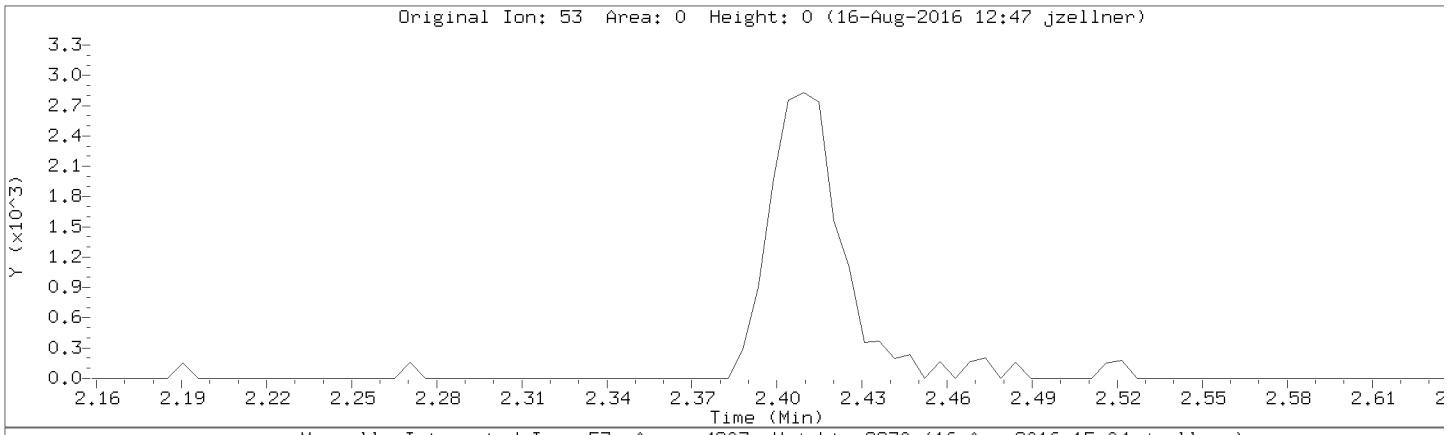
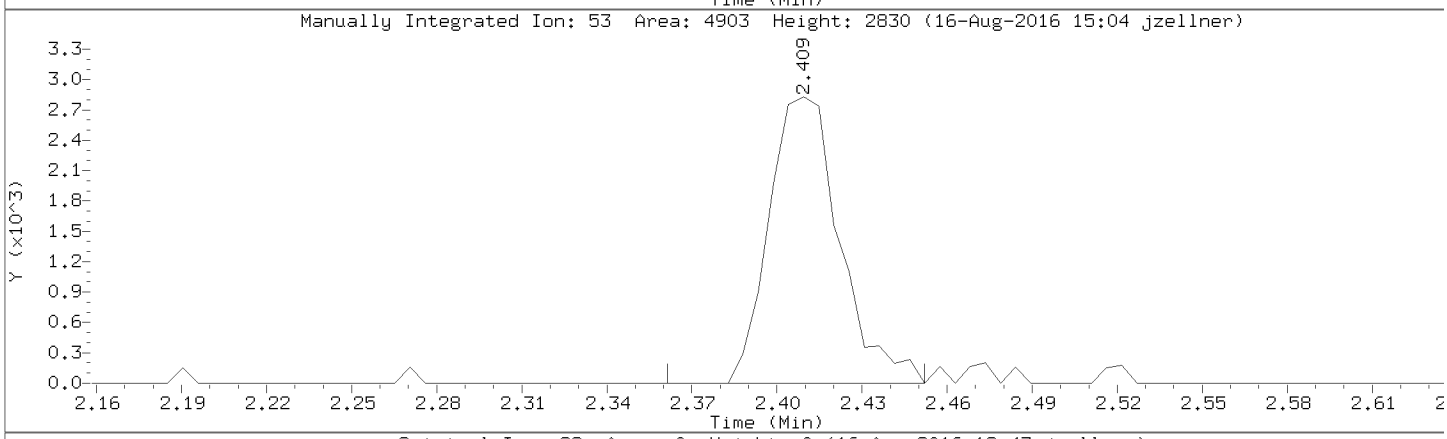
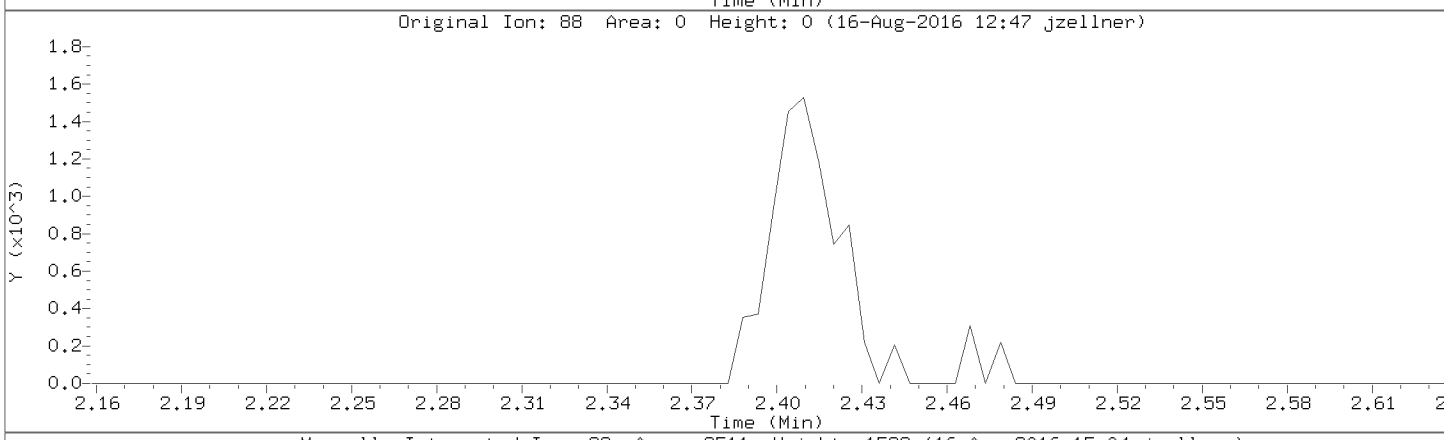
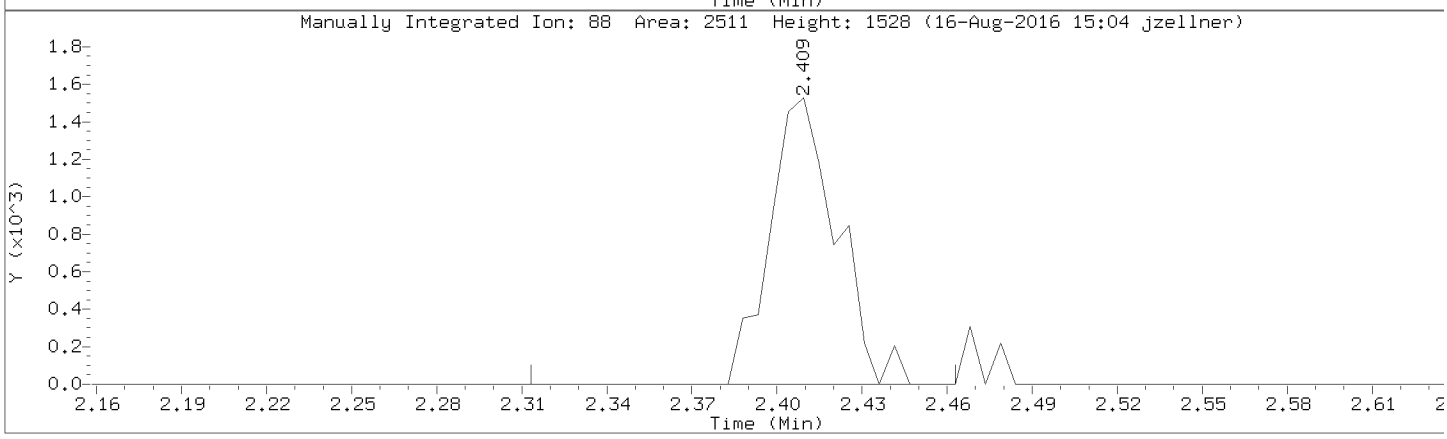
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Chloroprene Review Code: NI
CAS Number: 126-99-8









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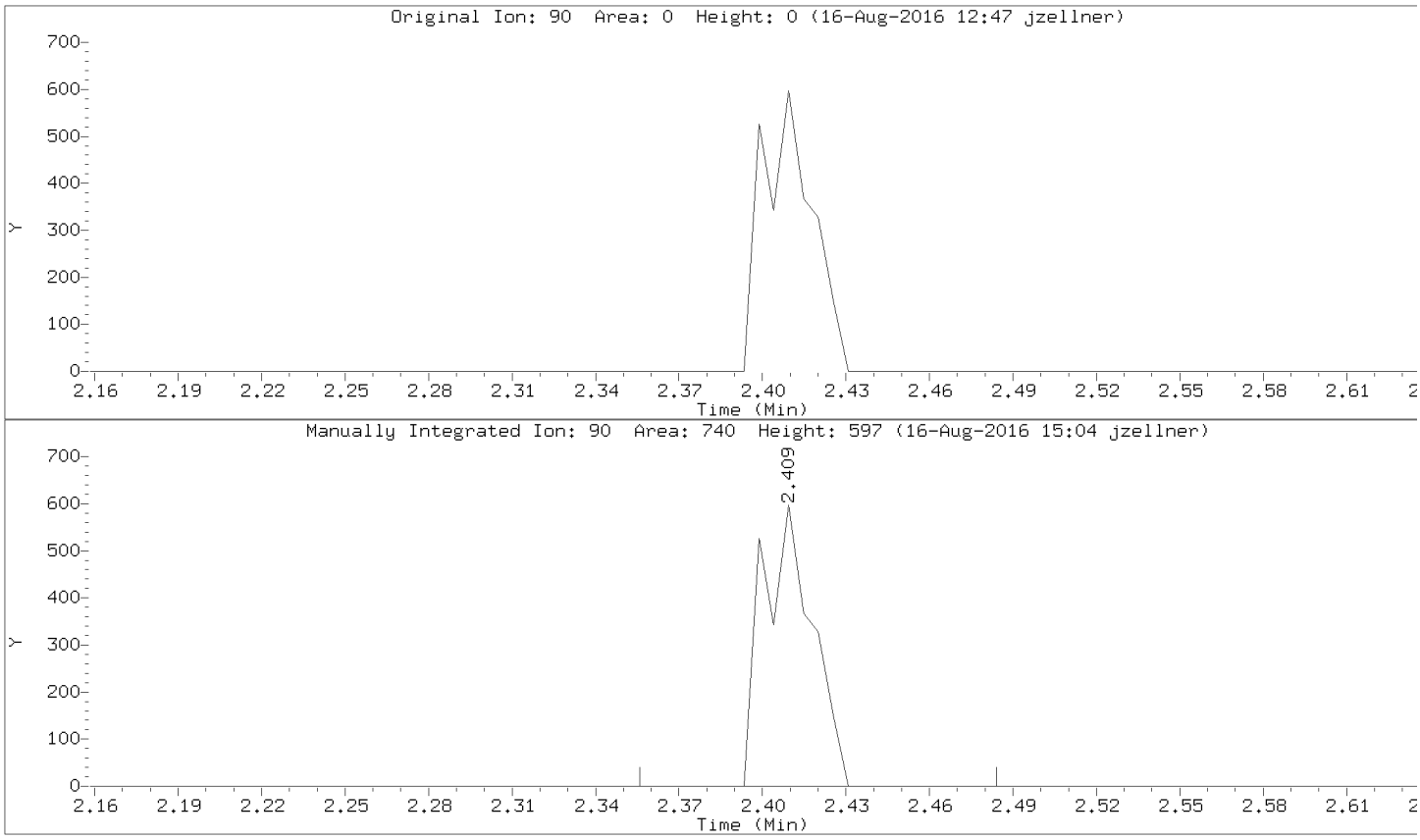
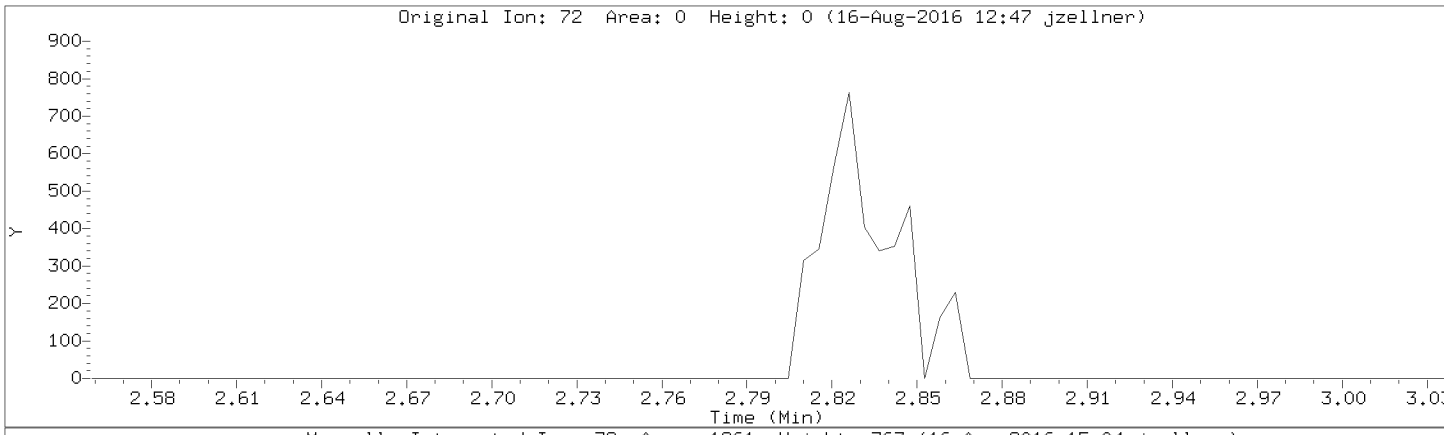
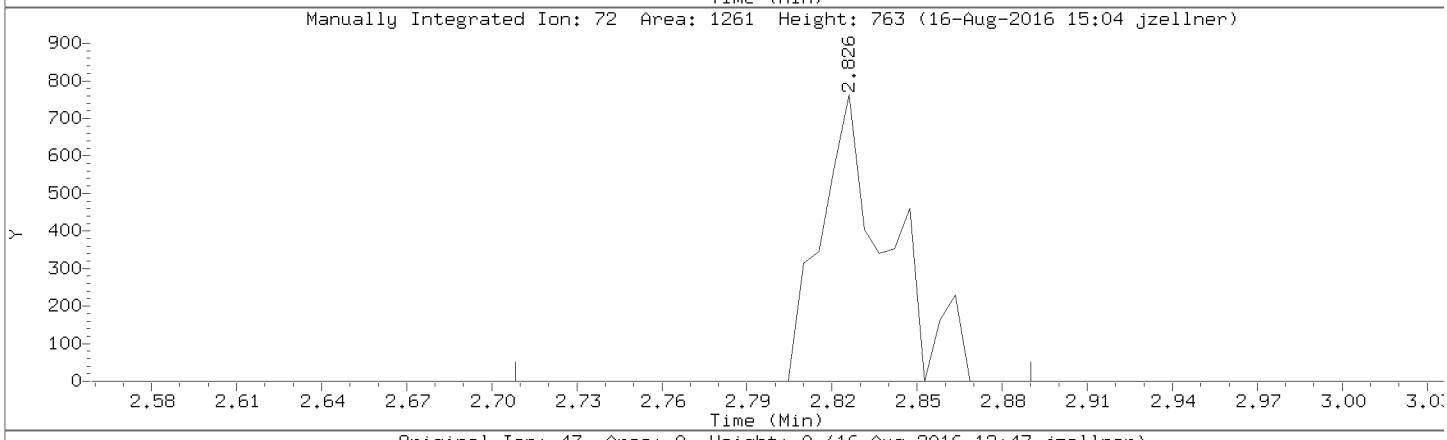
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

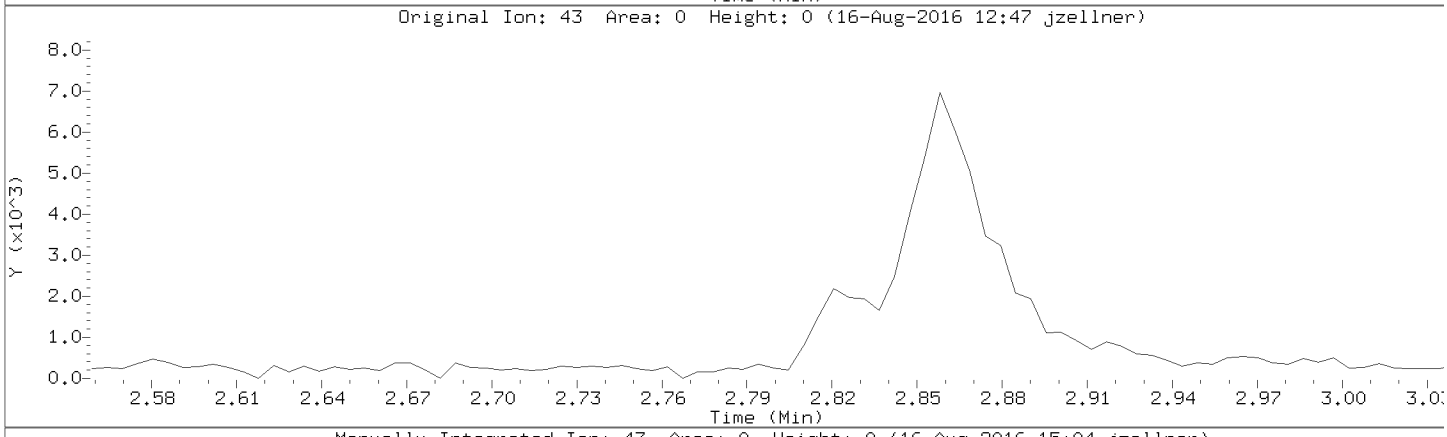


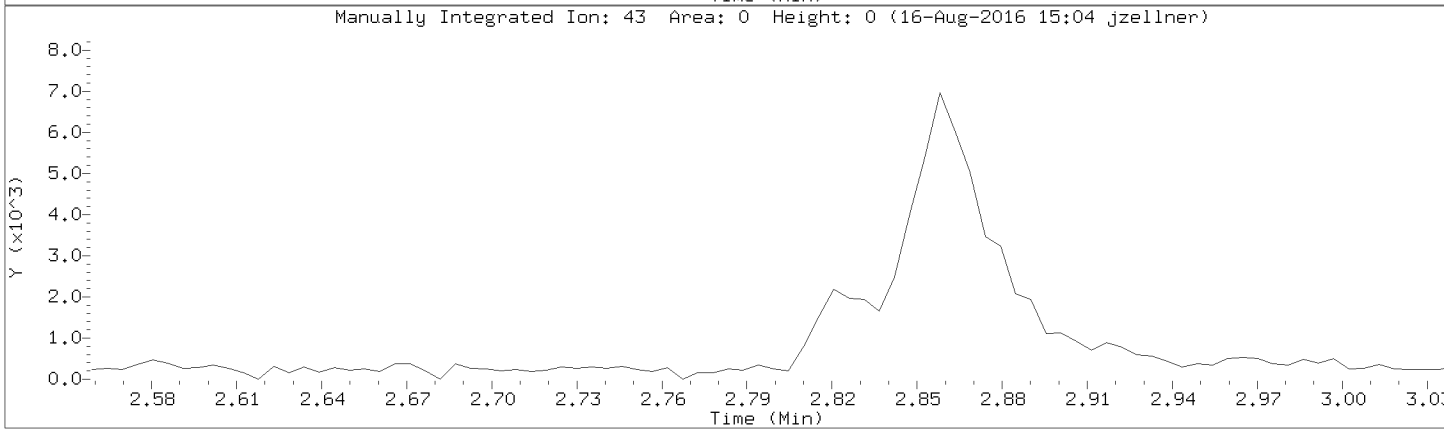
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 2-Butanone Review Code: NI
CAS Number: 78-93-3









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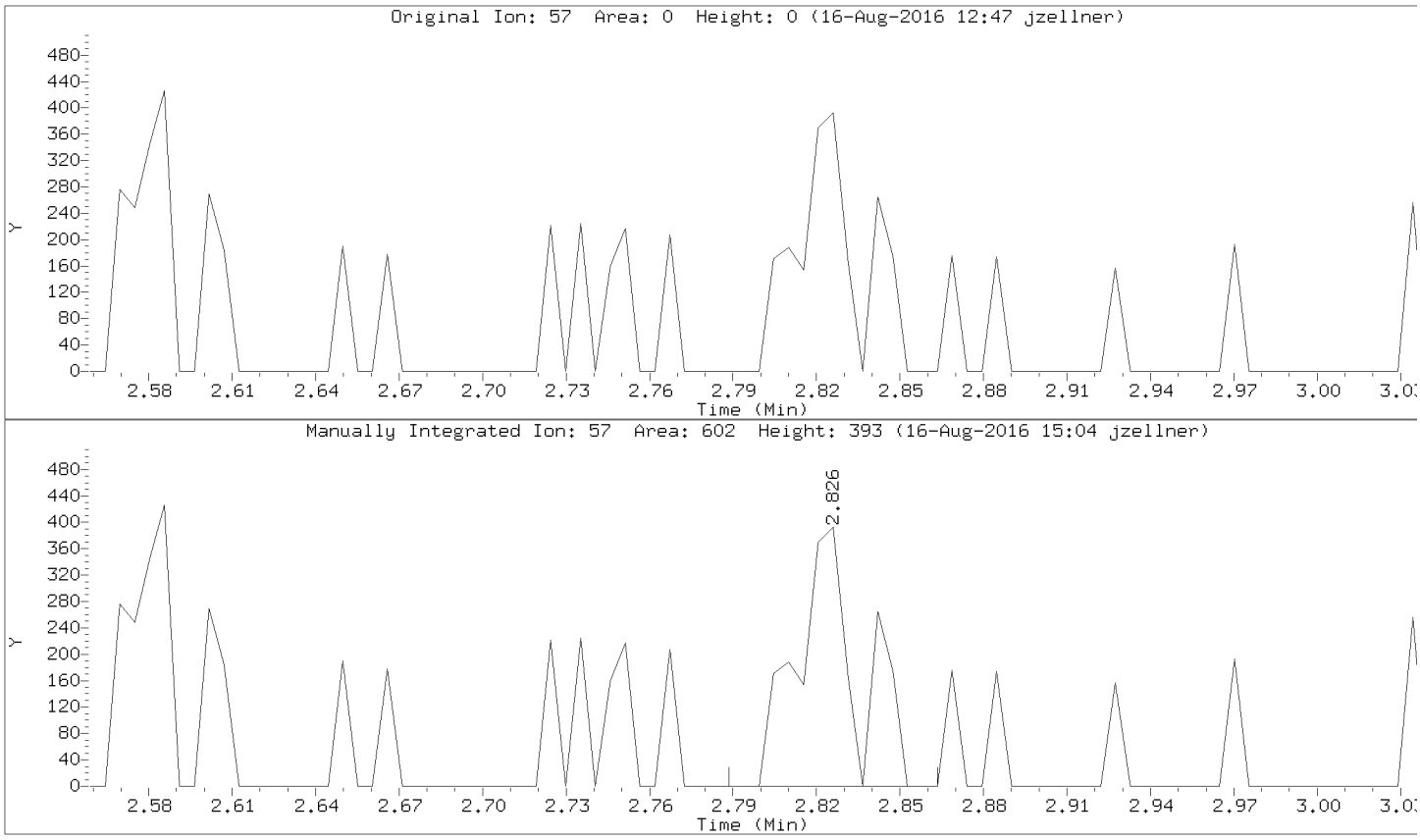
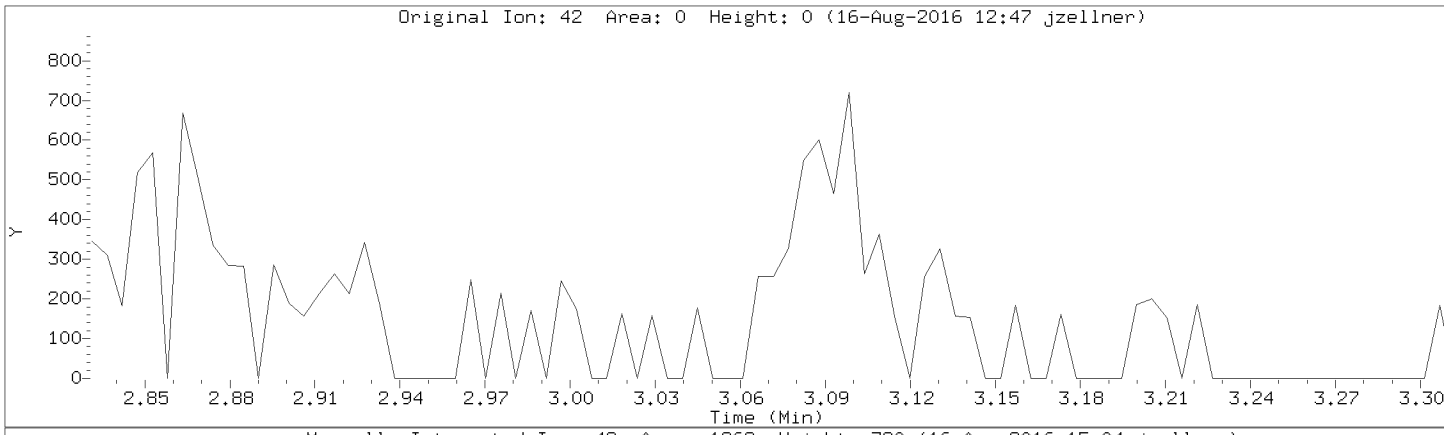
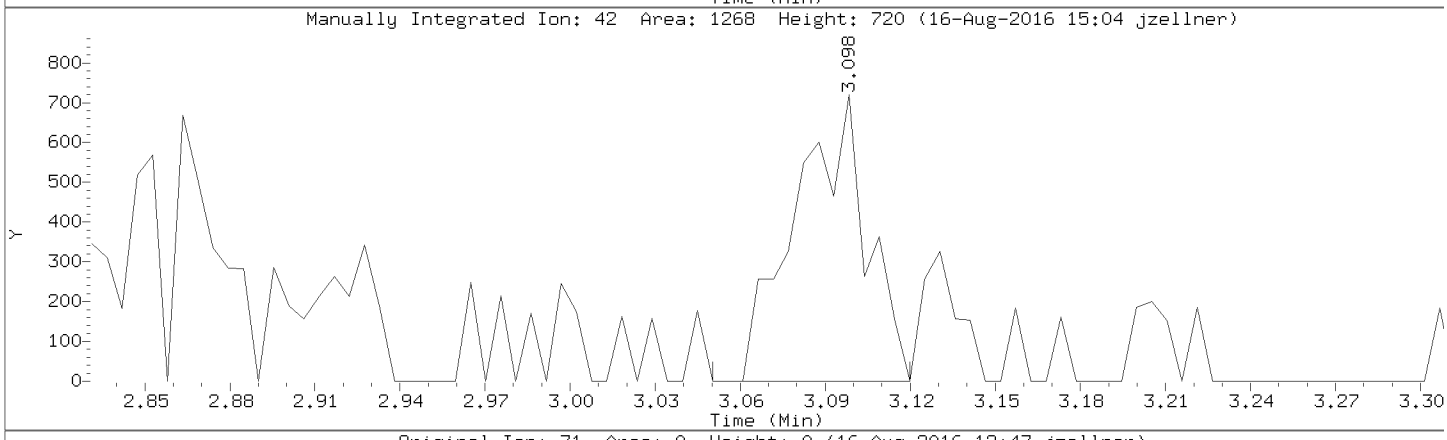
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

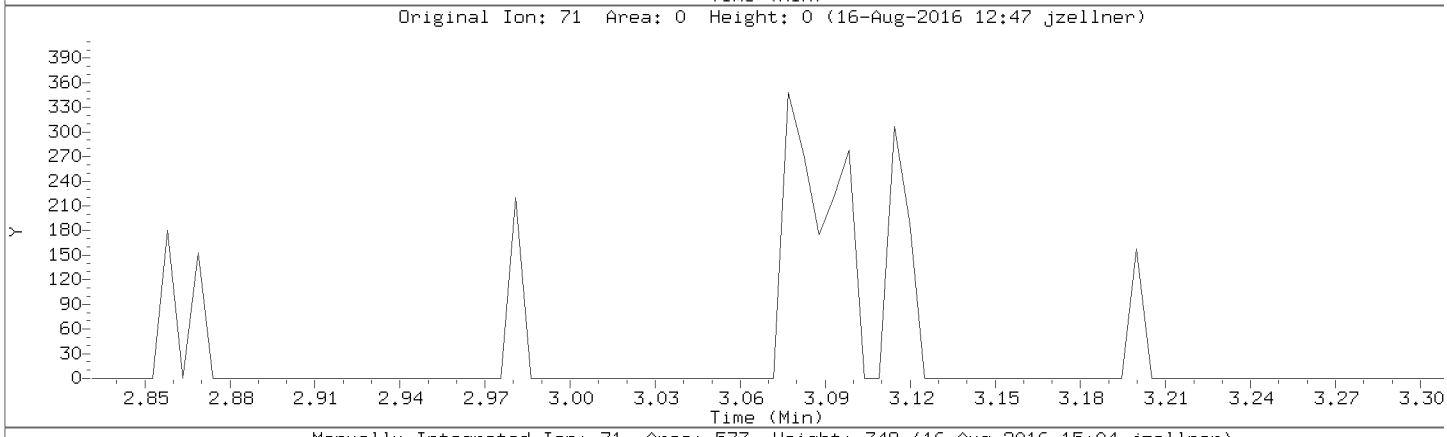


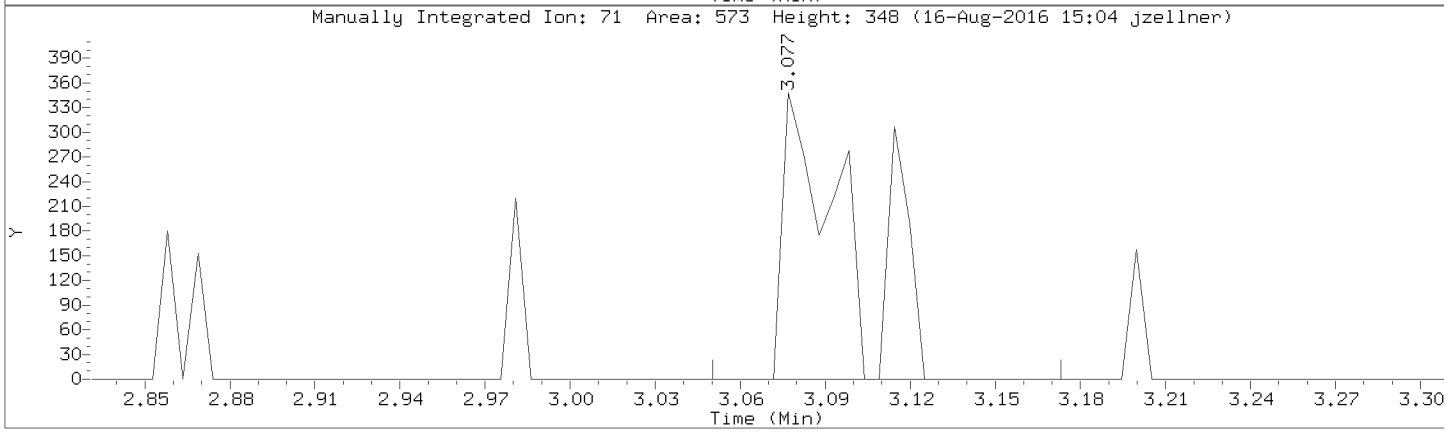
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Tetrahydrofuran Review Code: NI
CAS Number:









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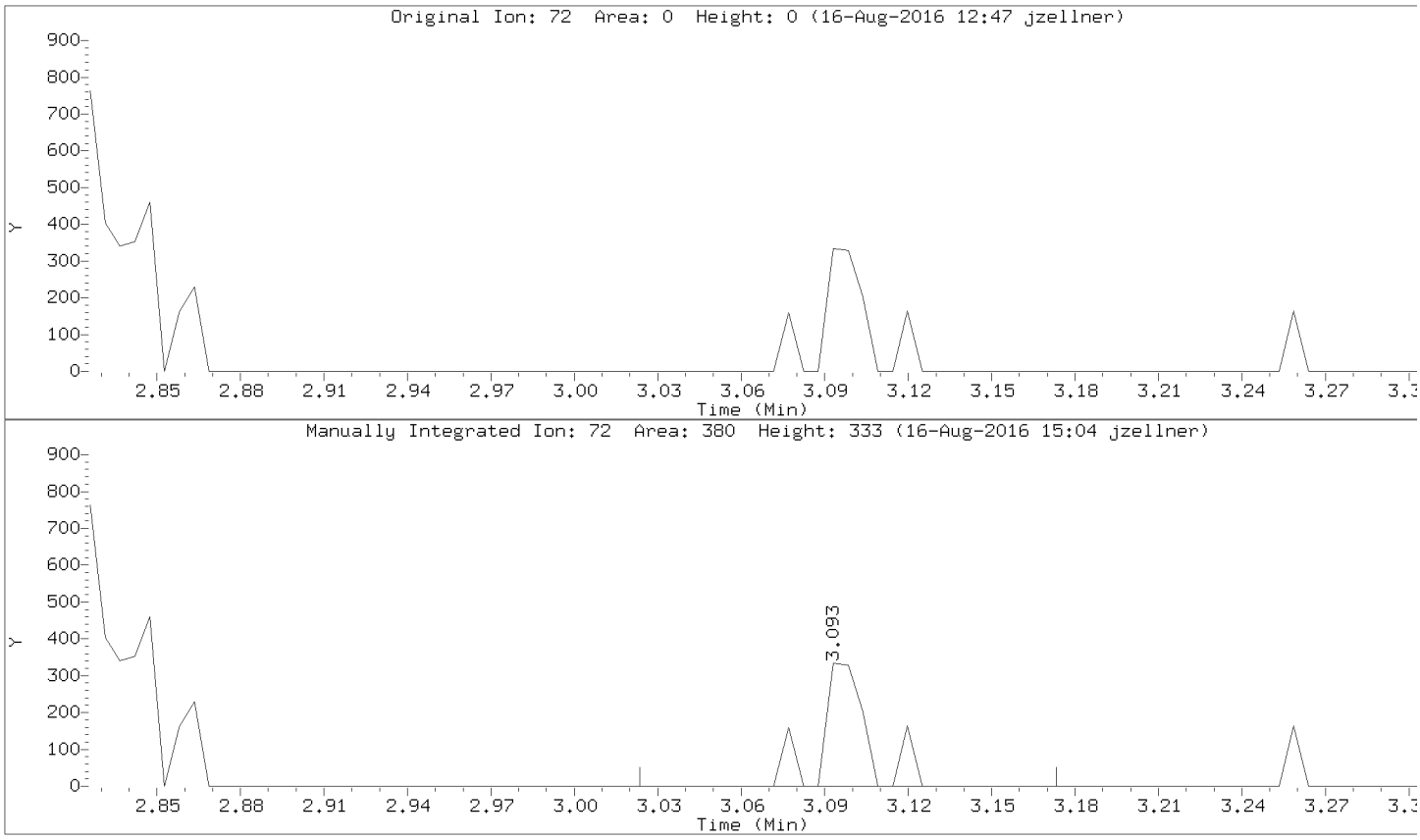
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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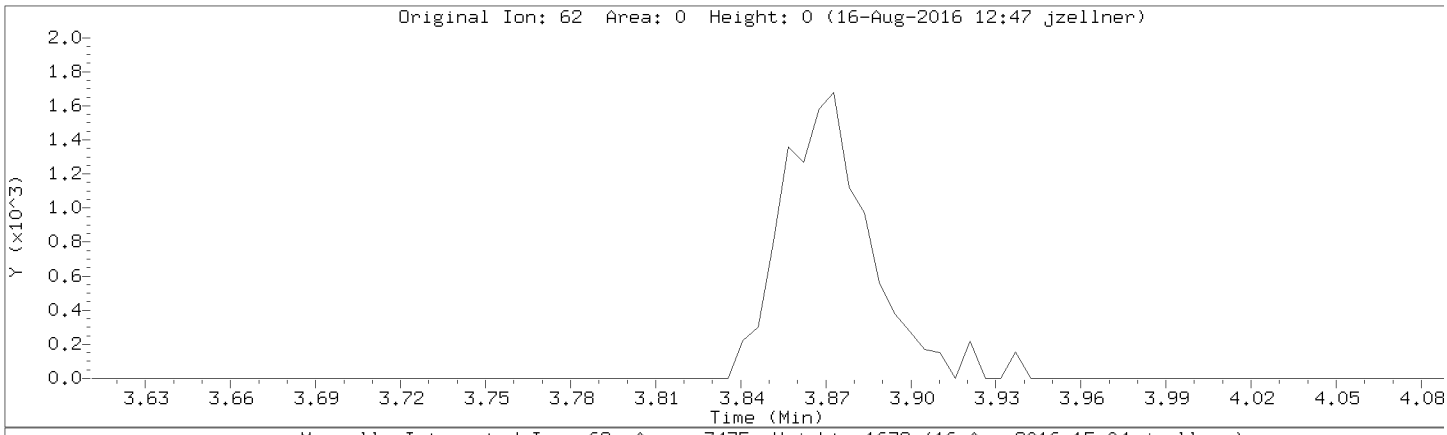
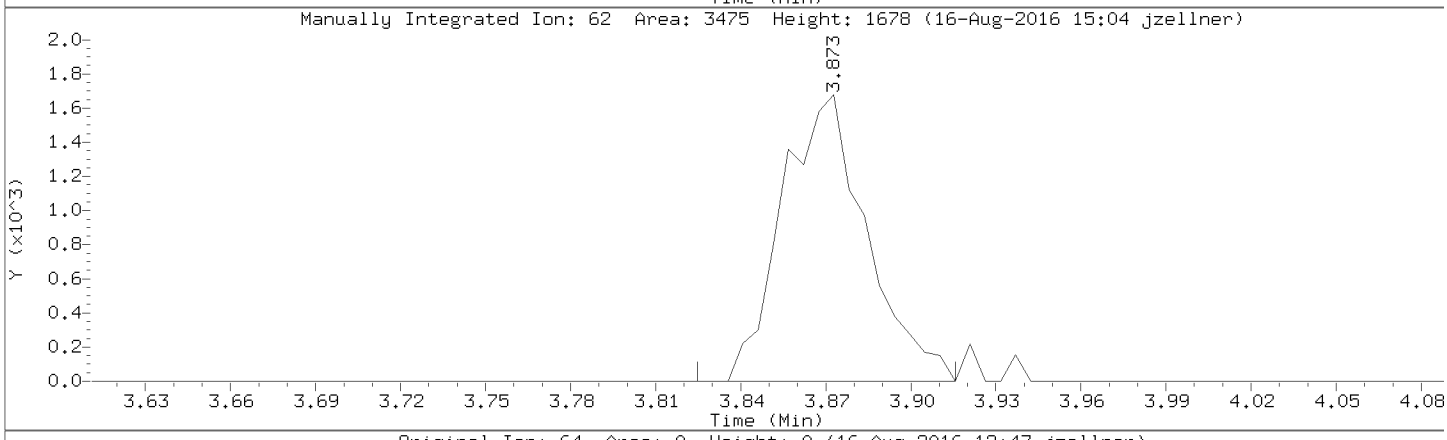
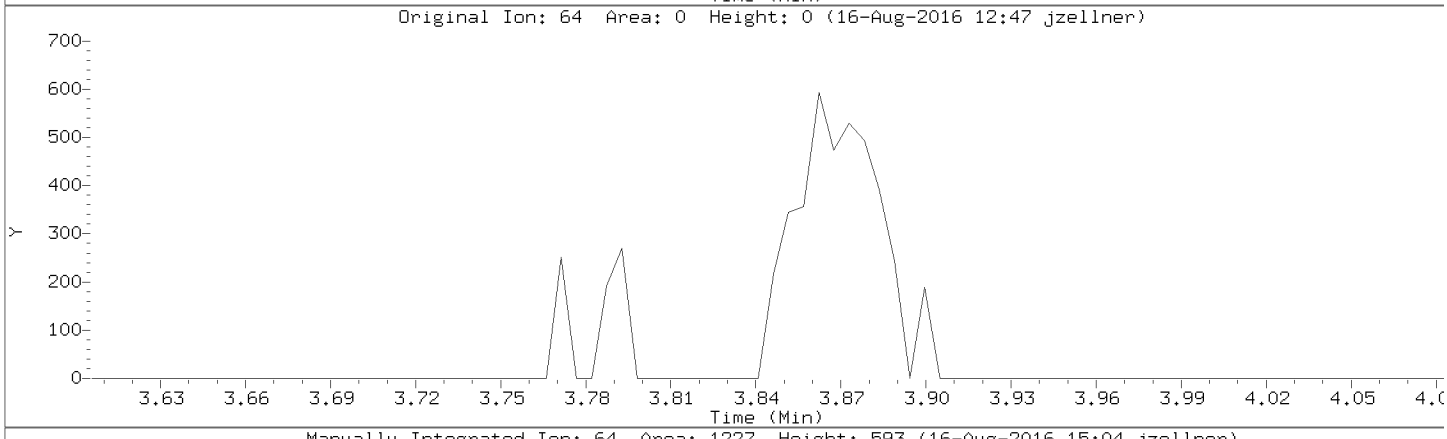
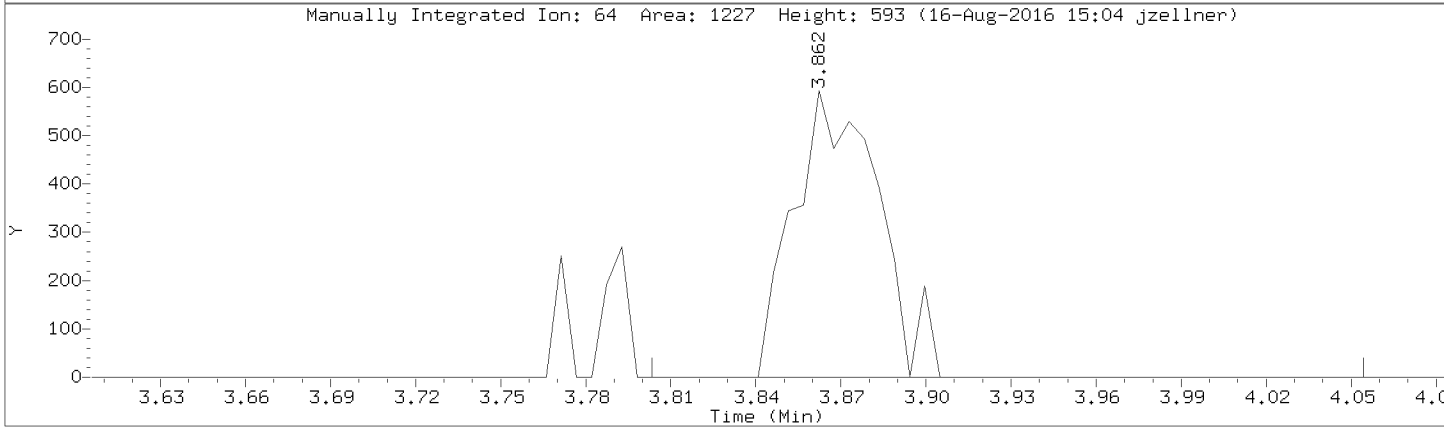
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2









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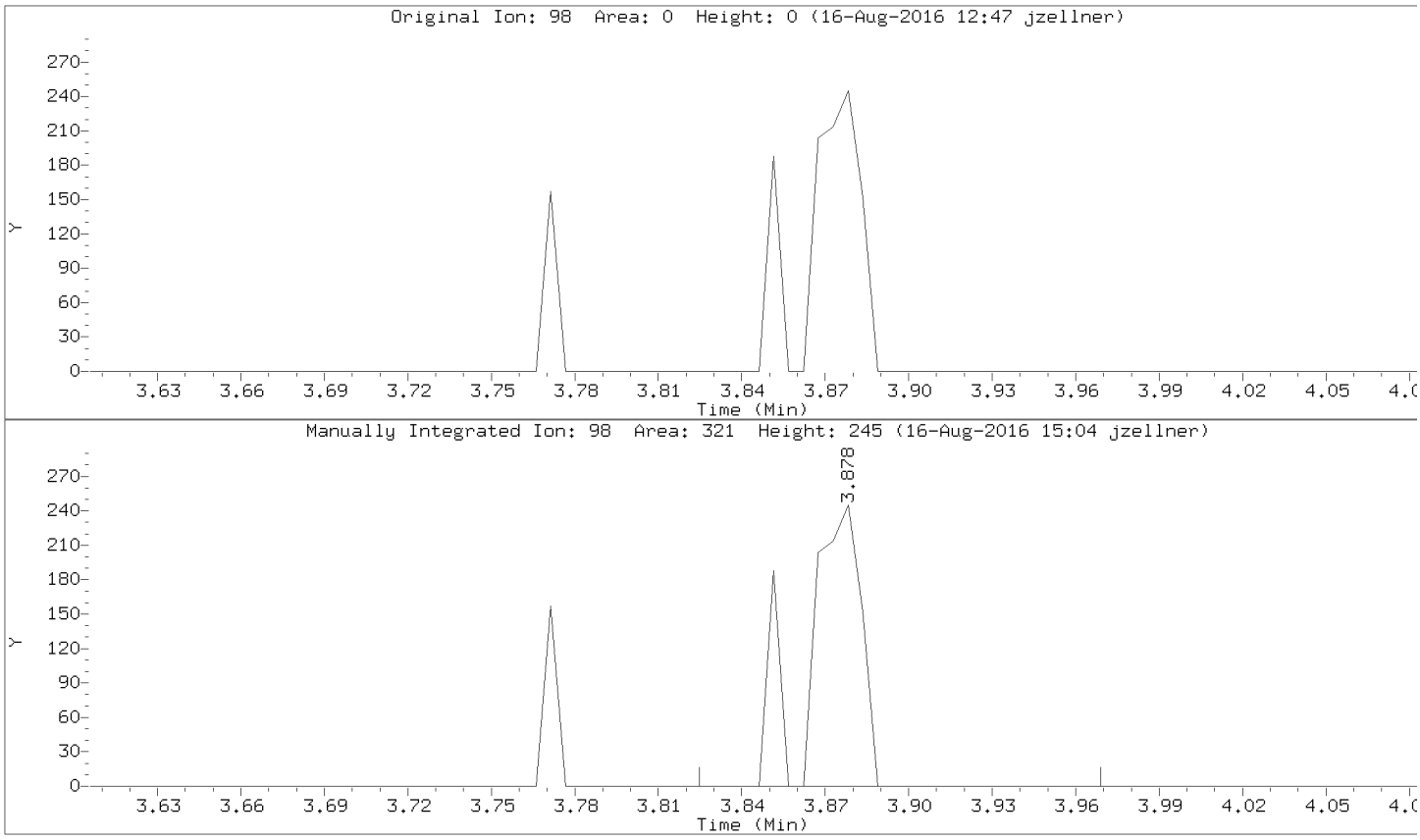
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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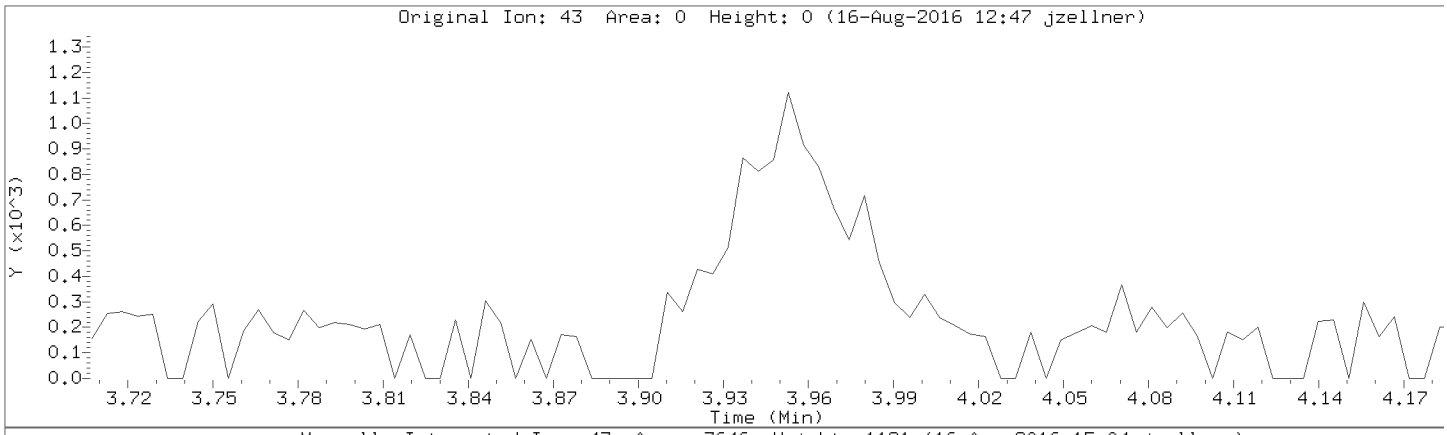
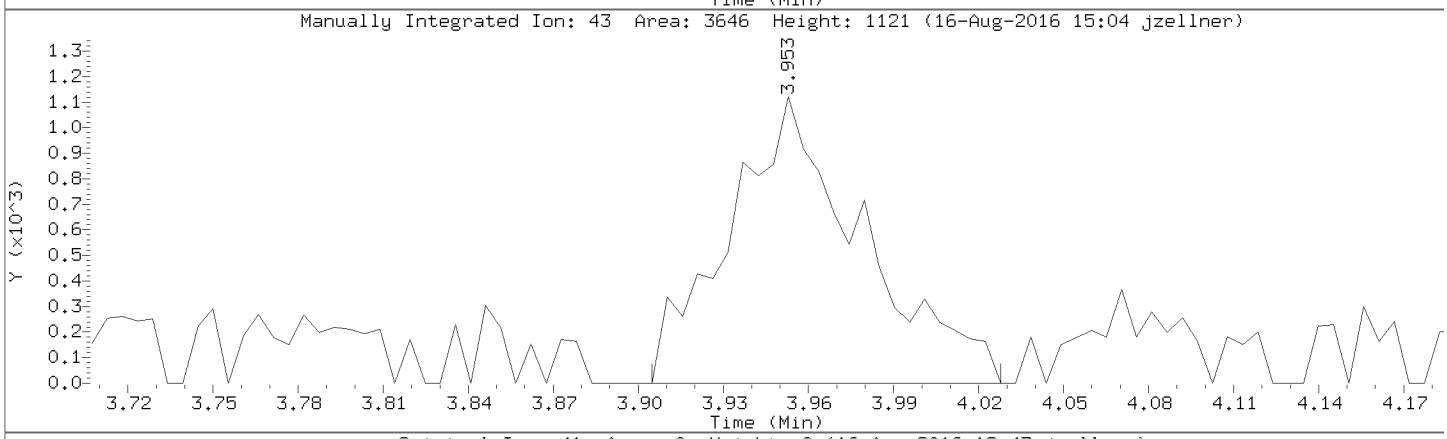
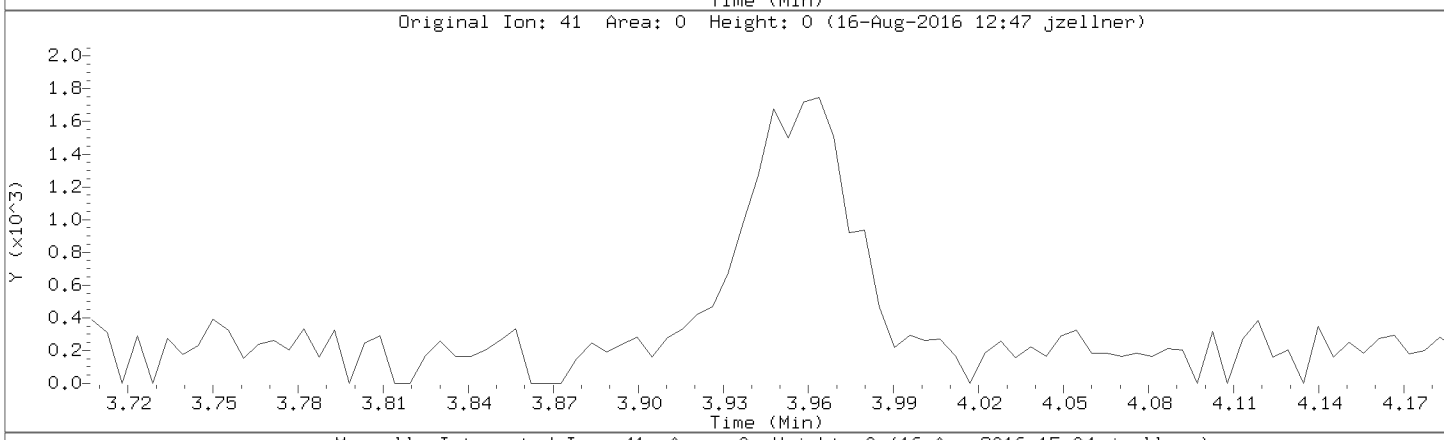
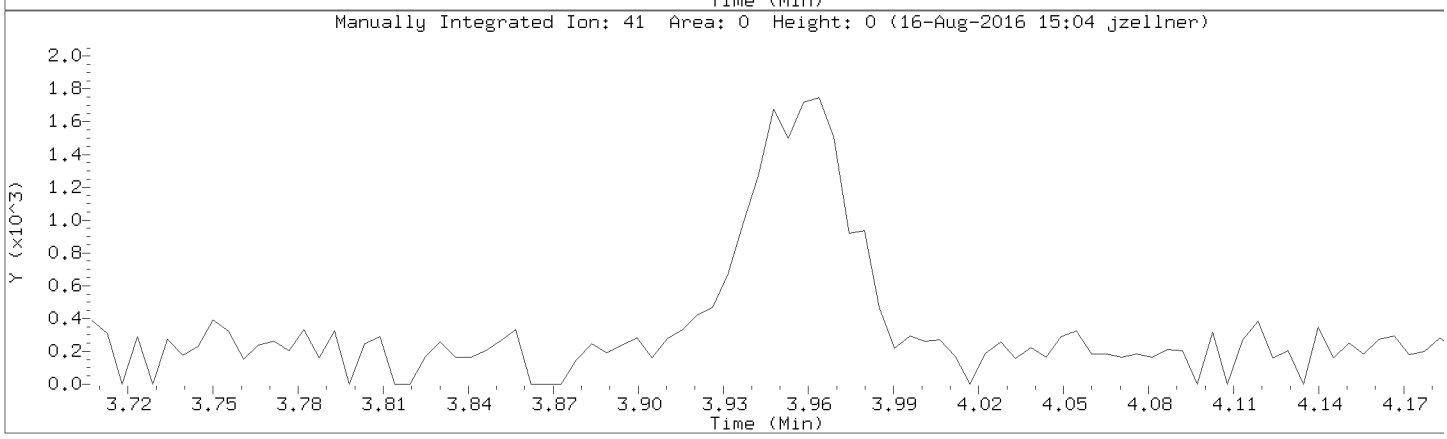
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Isobutyl alcohol Review Code: NI
CAS Number: 78-83-1

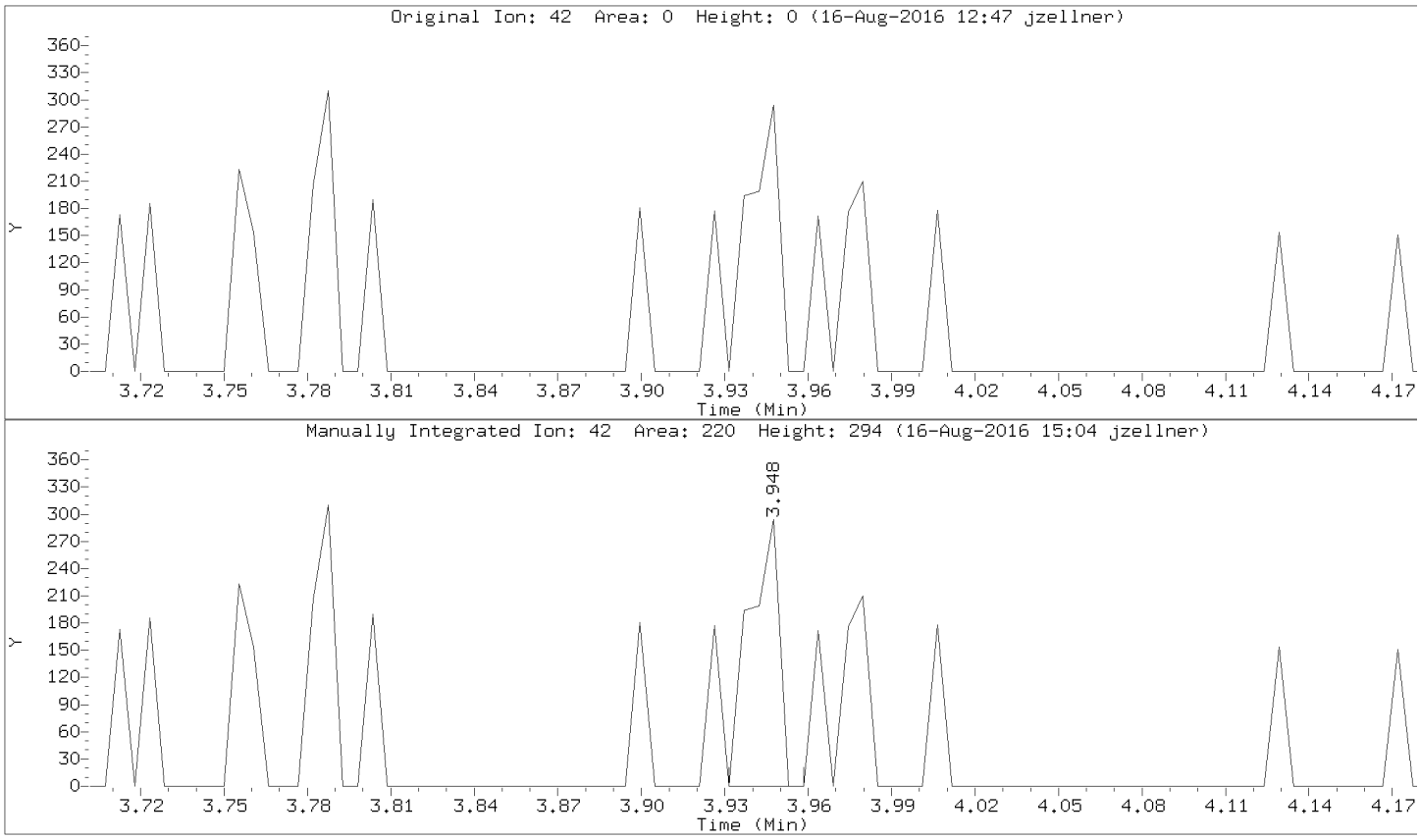








Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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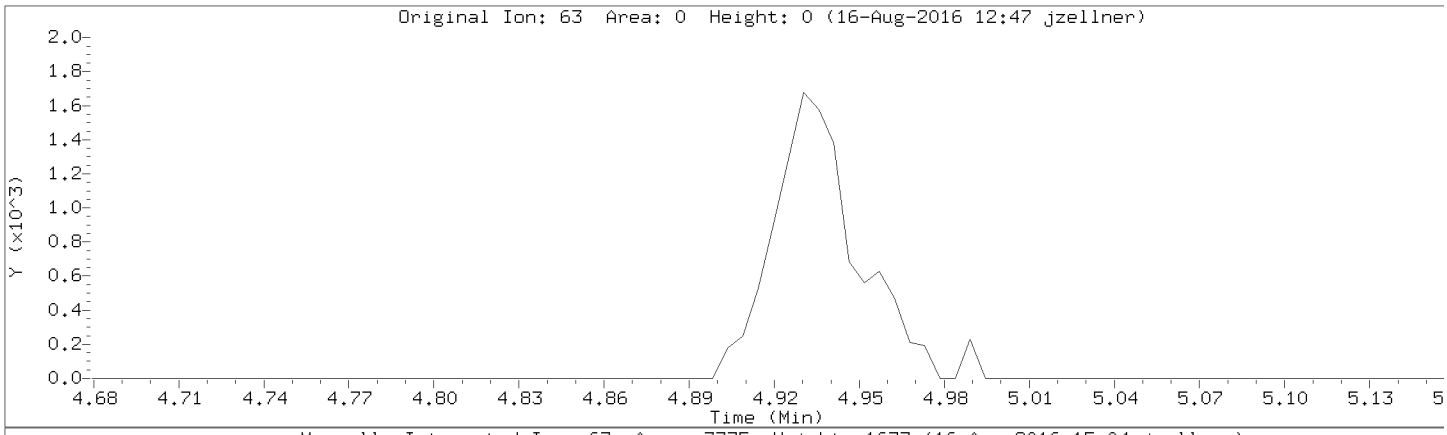
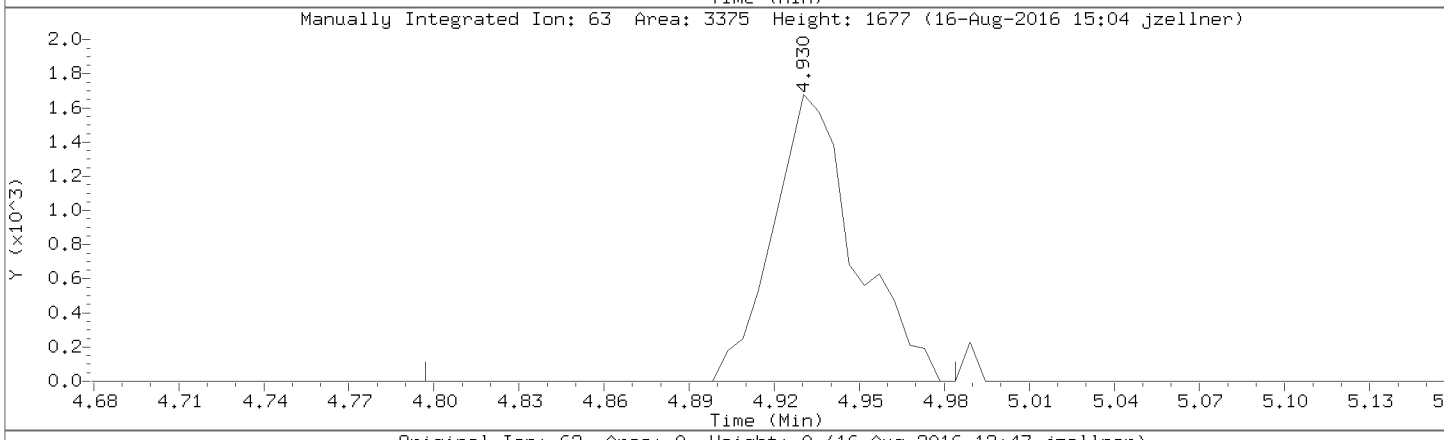
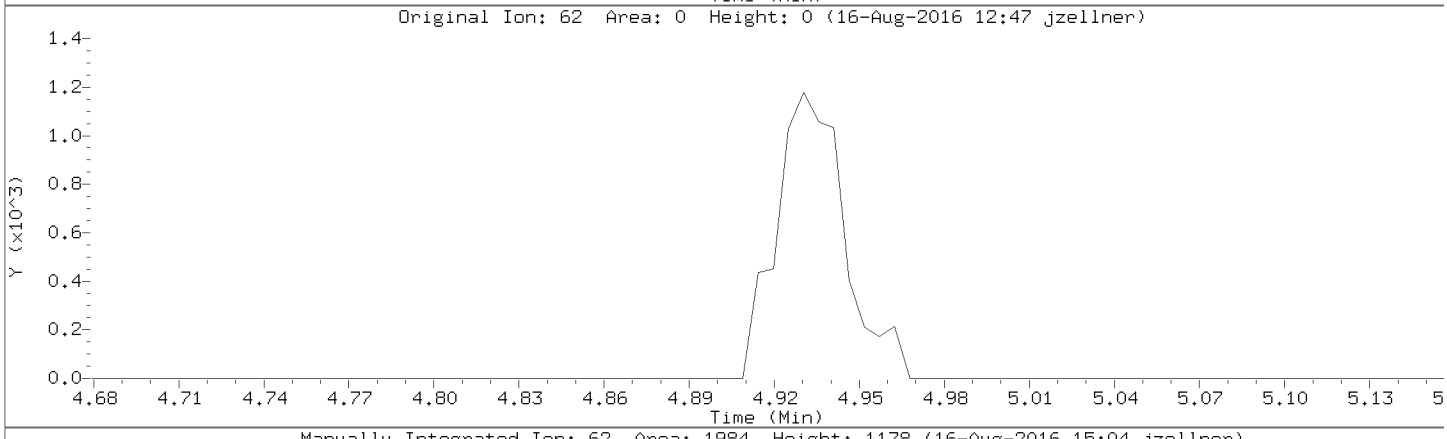
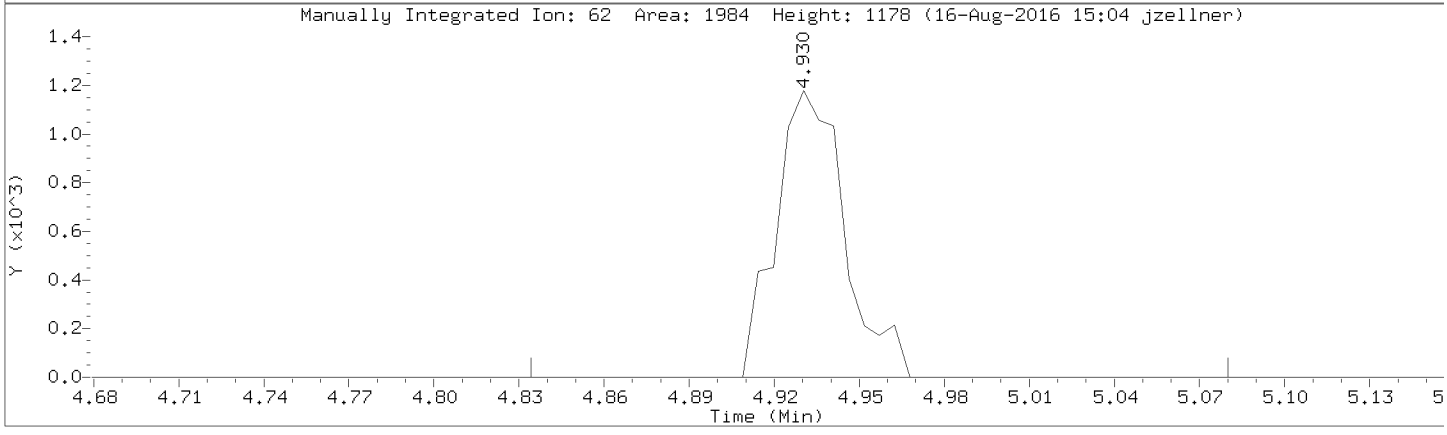
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 1,2-Dichloropropane Review Code: NI
CAS Number: 78-87-5









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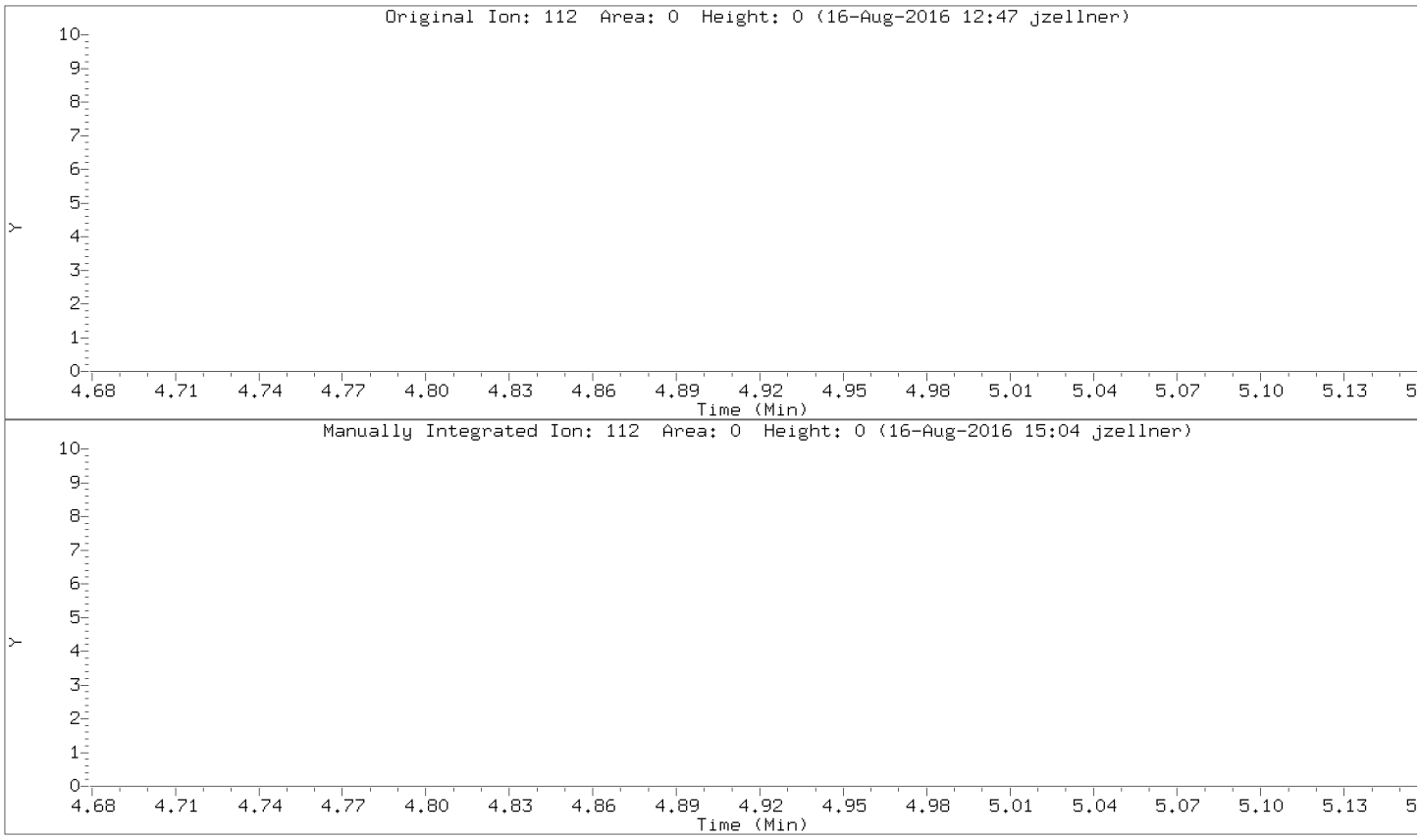
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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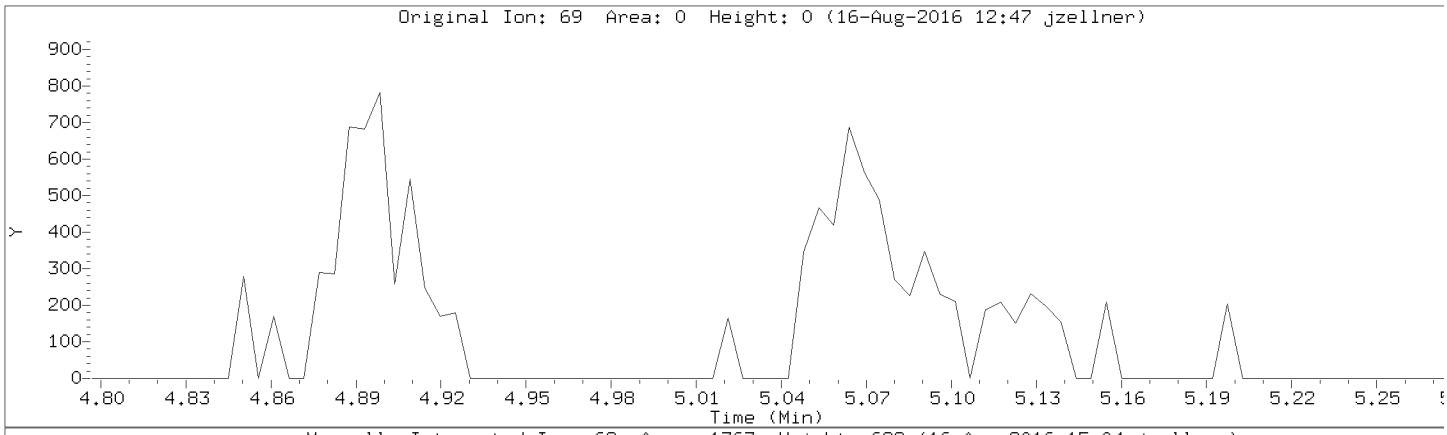
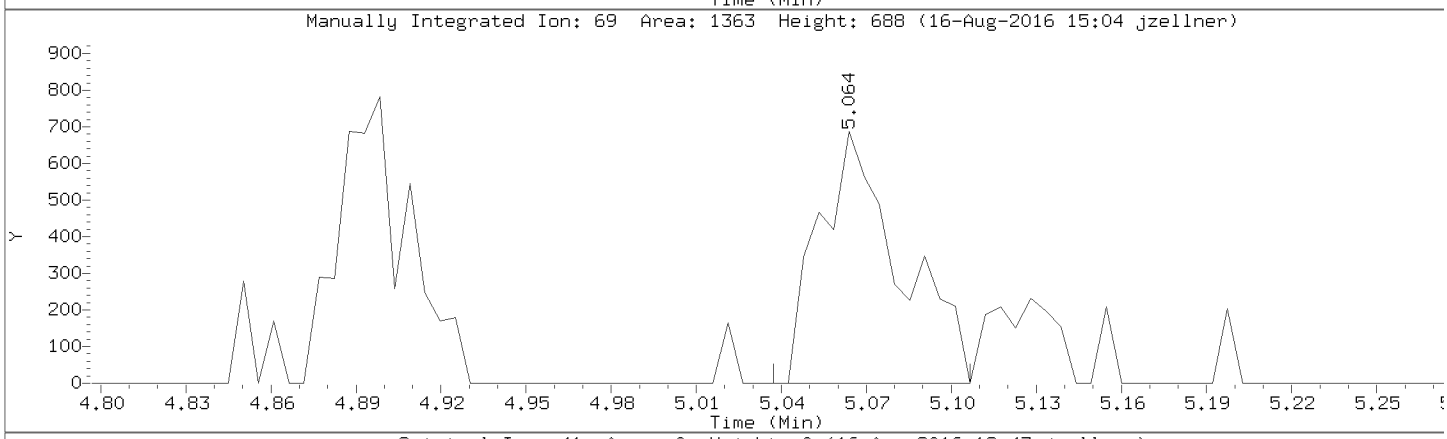
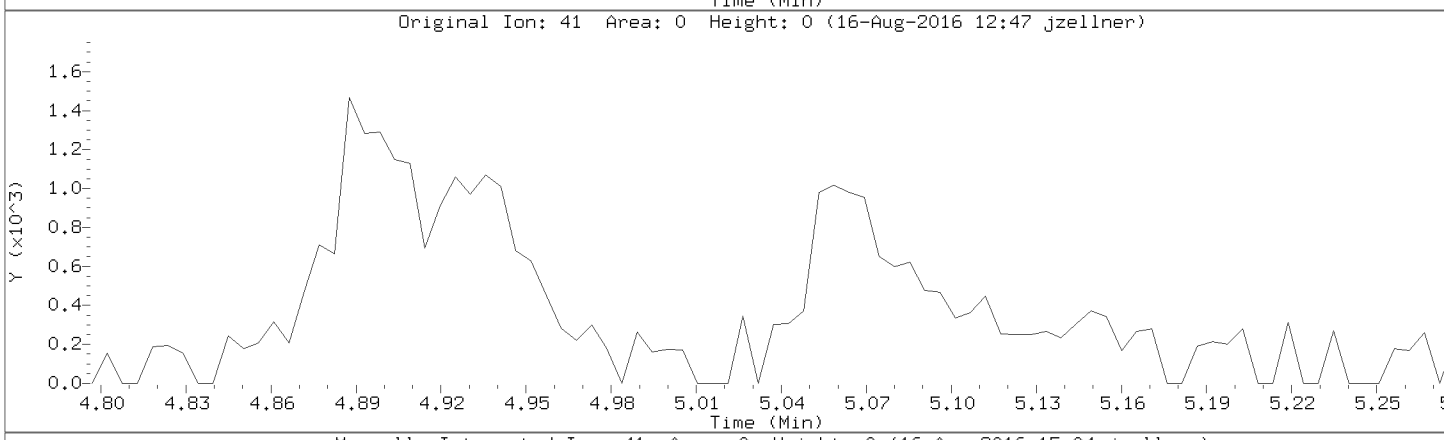
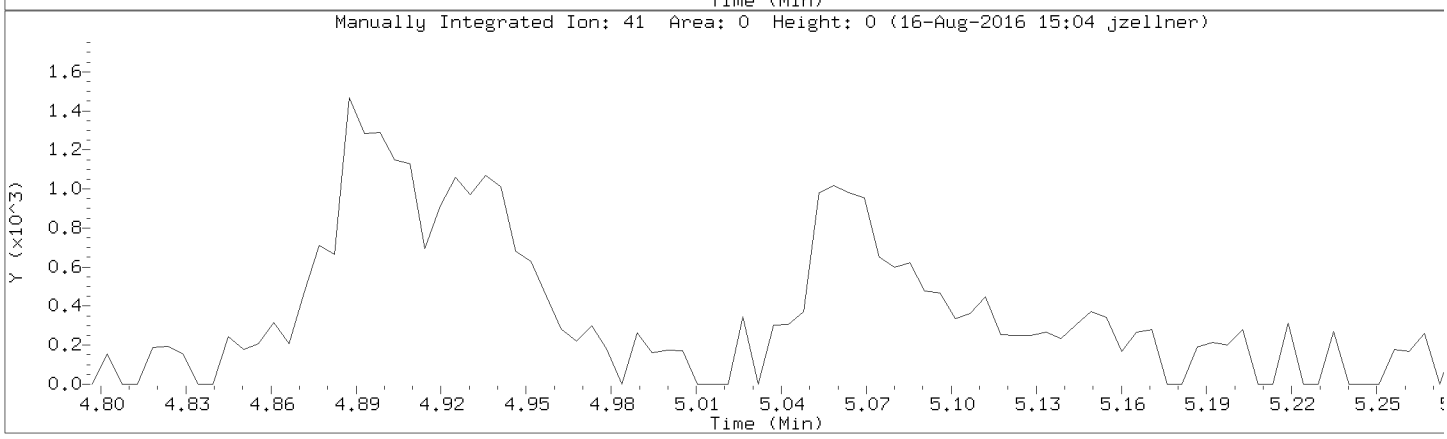
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Methyl methacrylate Review Code: NI
CAS Number: 80-62-6









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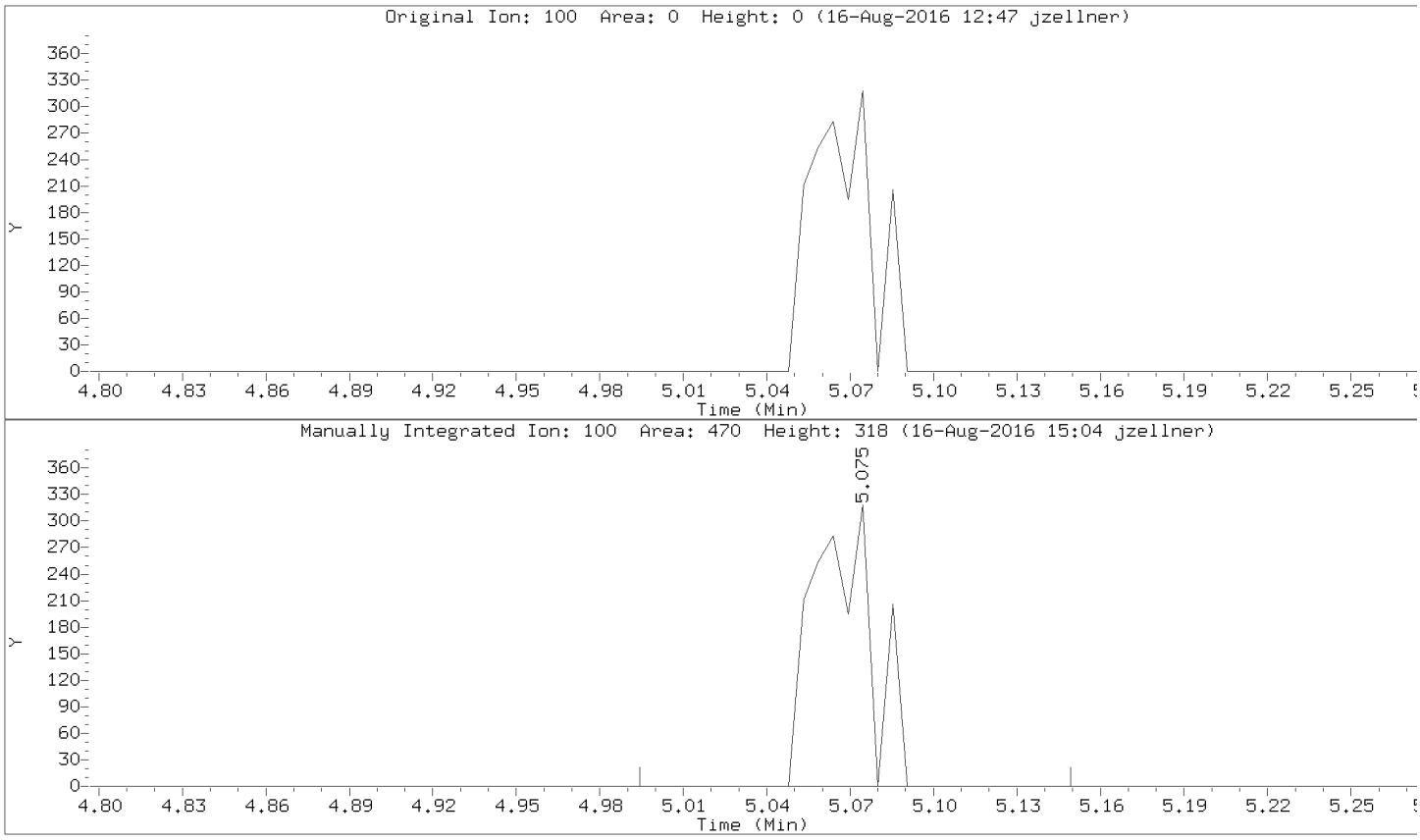
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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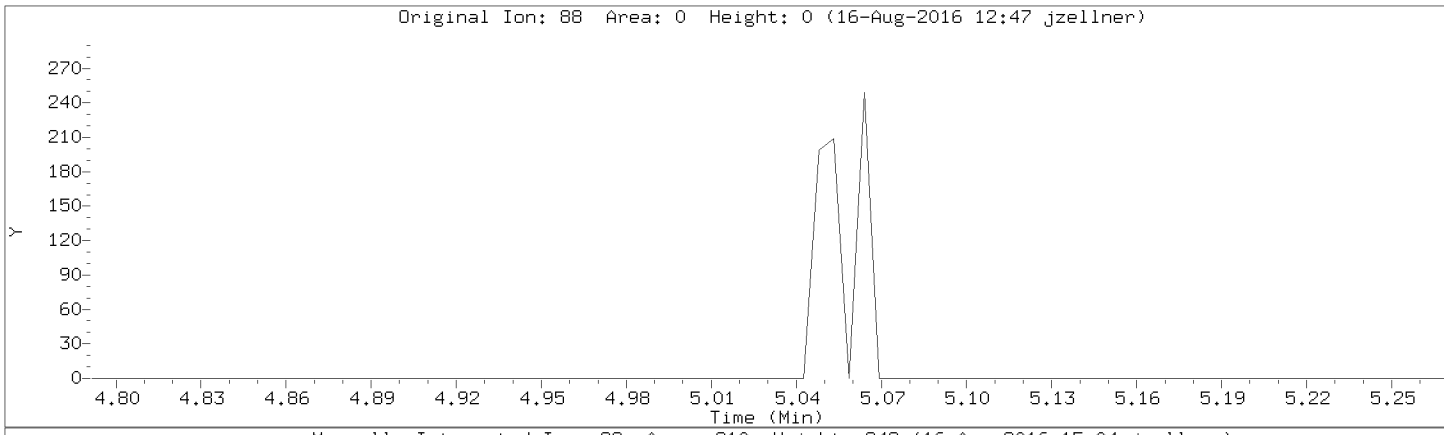
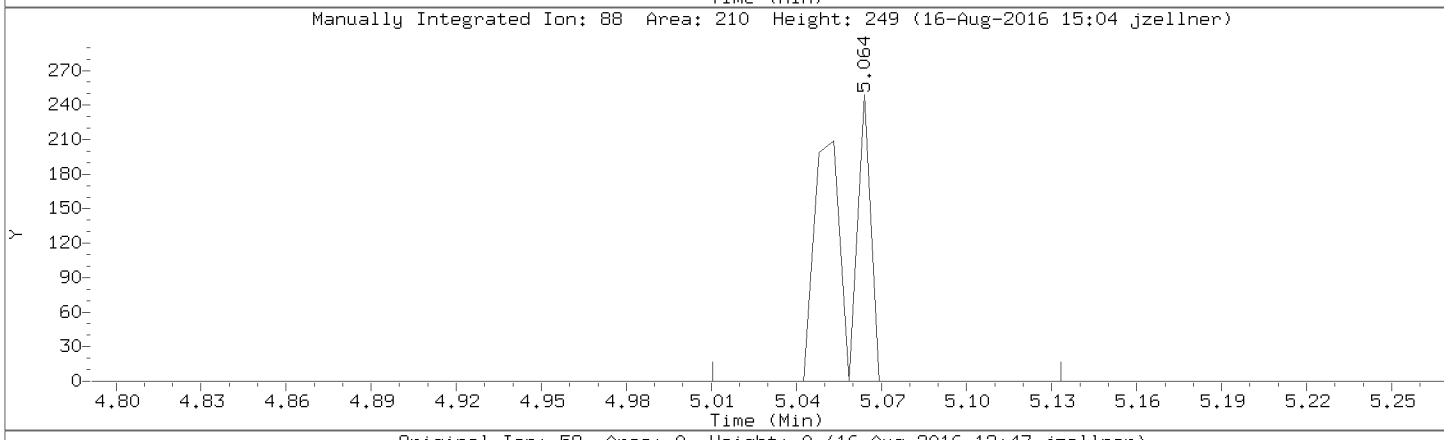
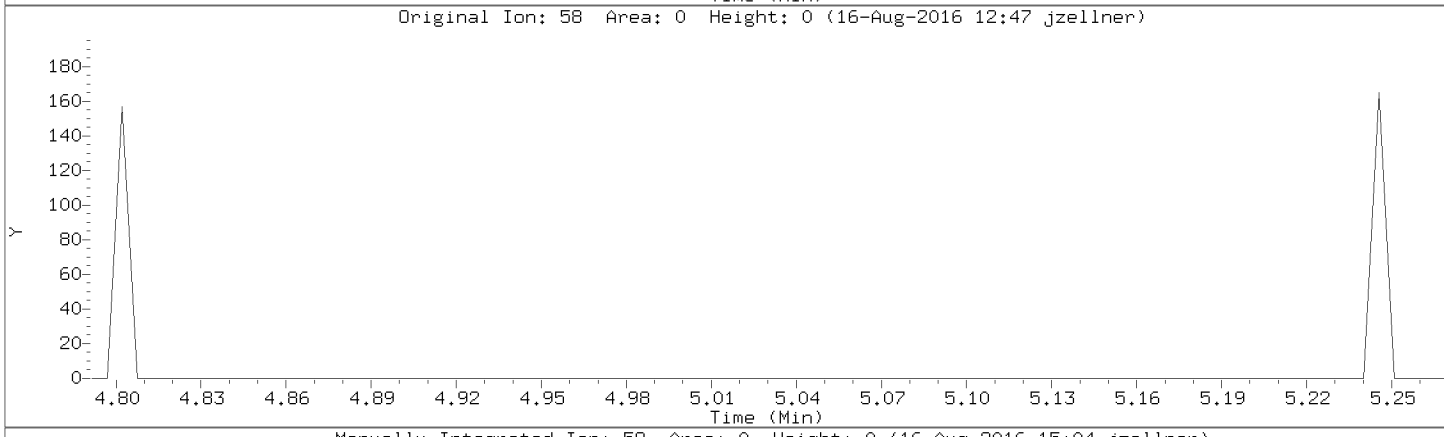
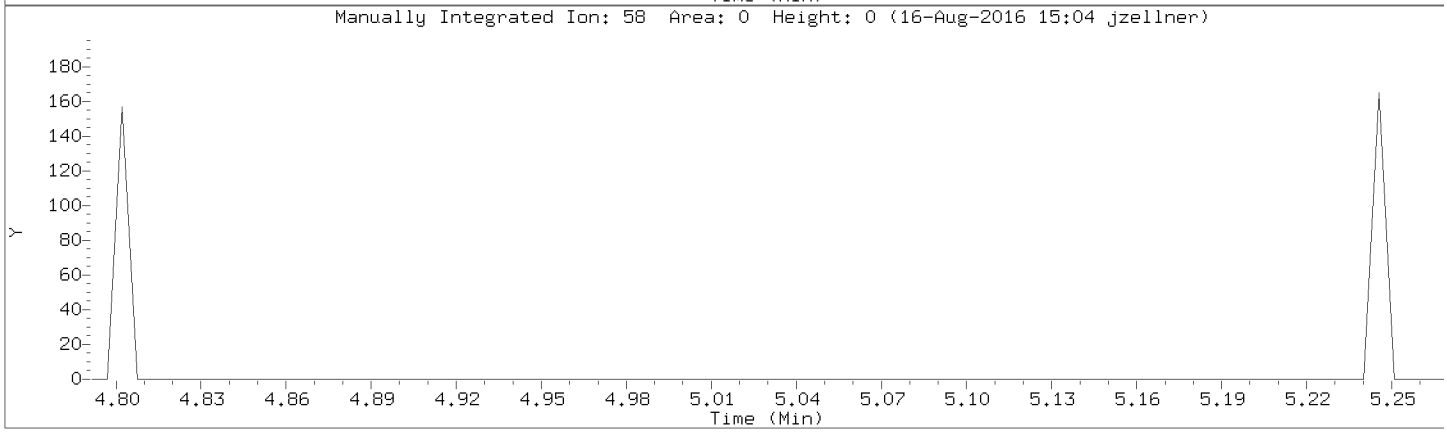
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 1,4-Dioxane Review Code: NI
CAS Number:



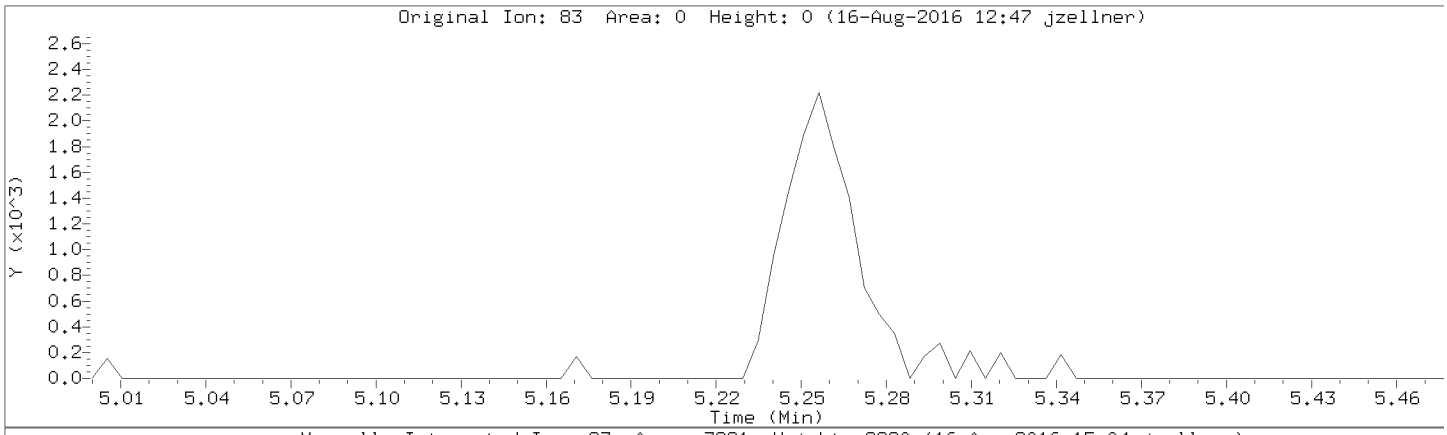


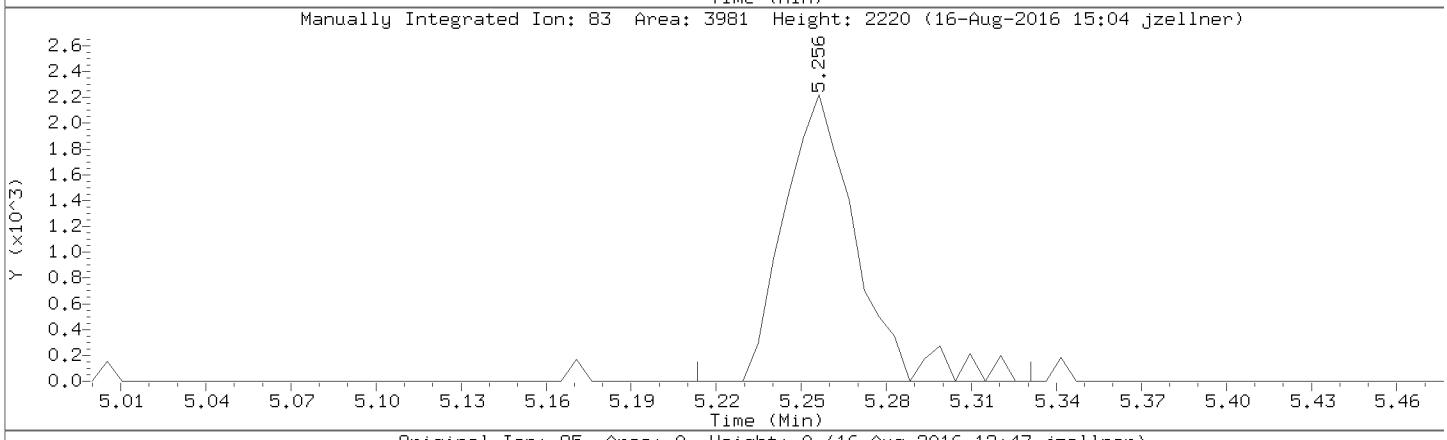


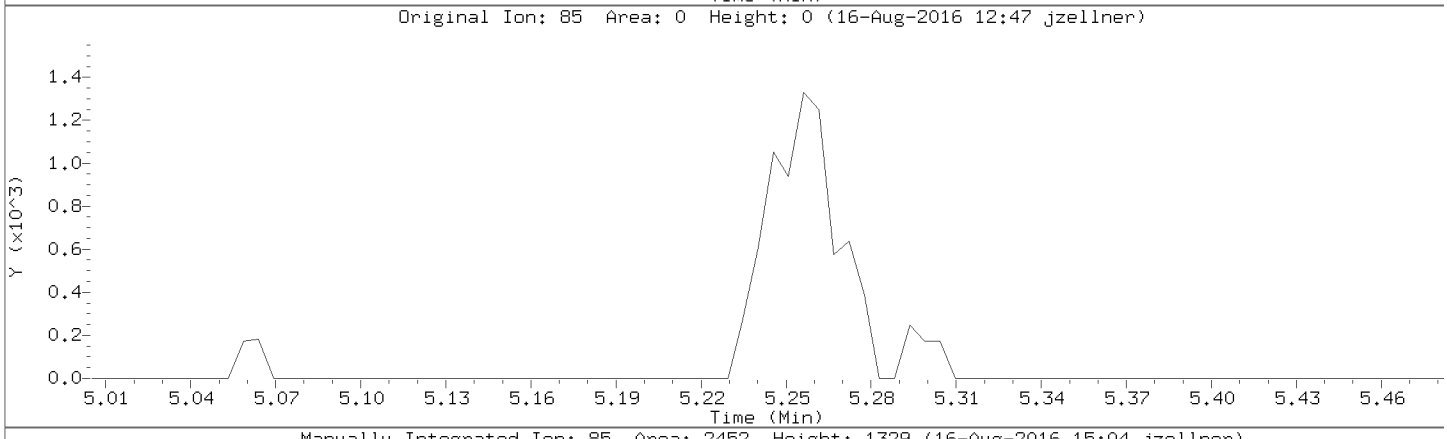


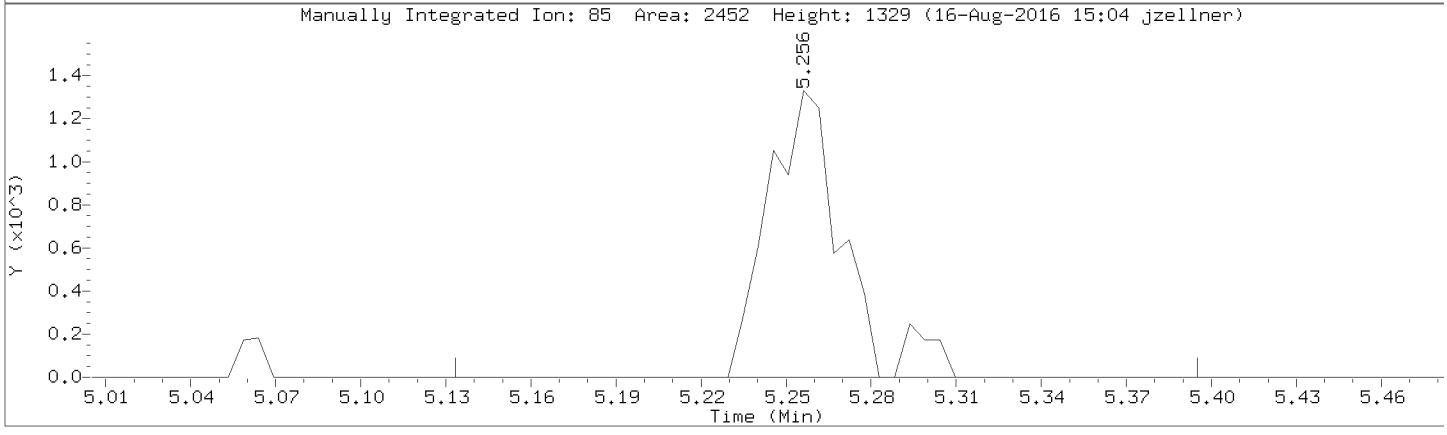
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

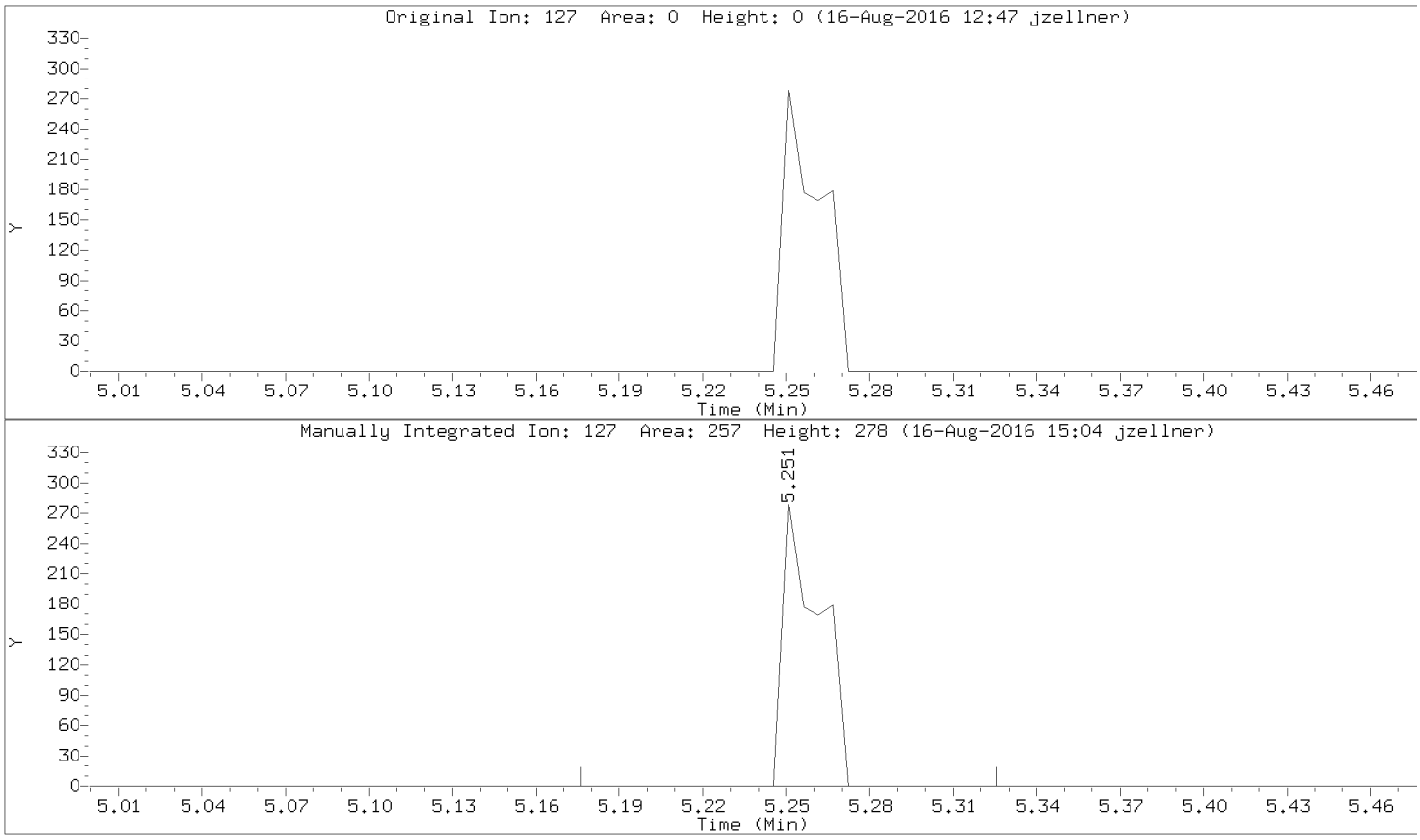






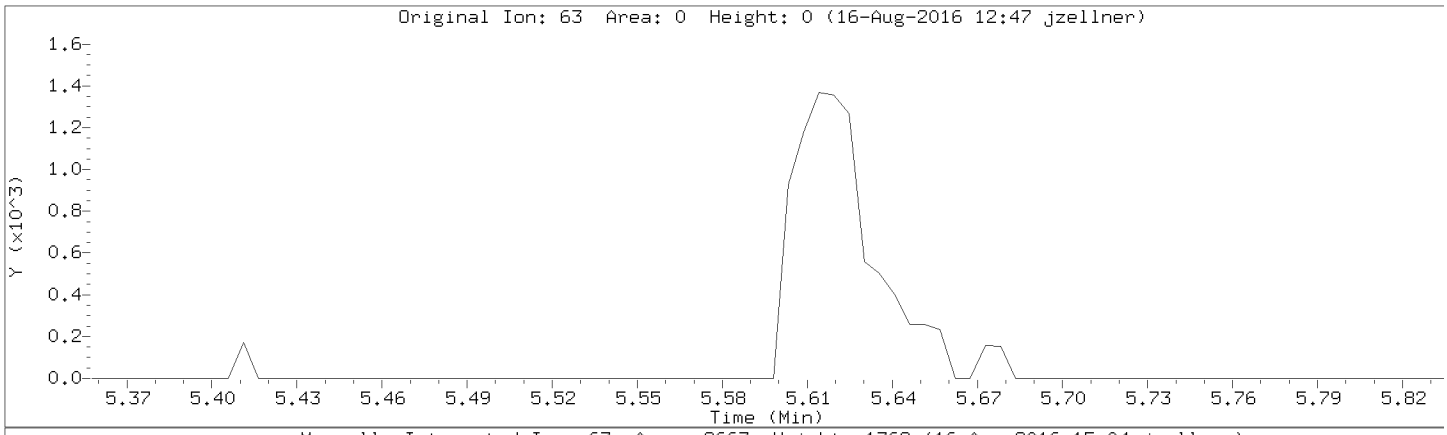


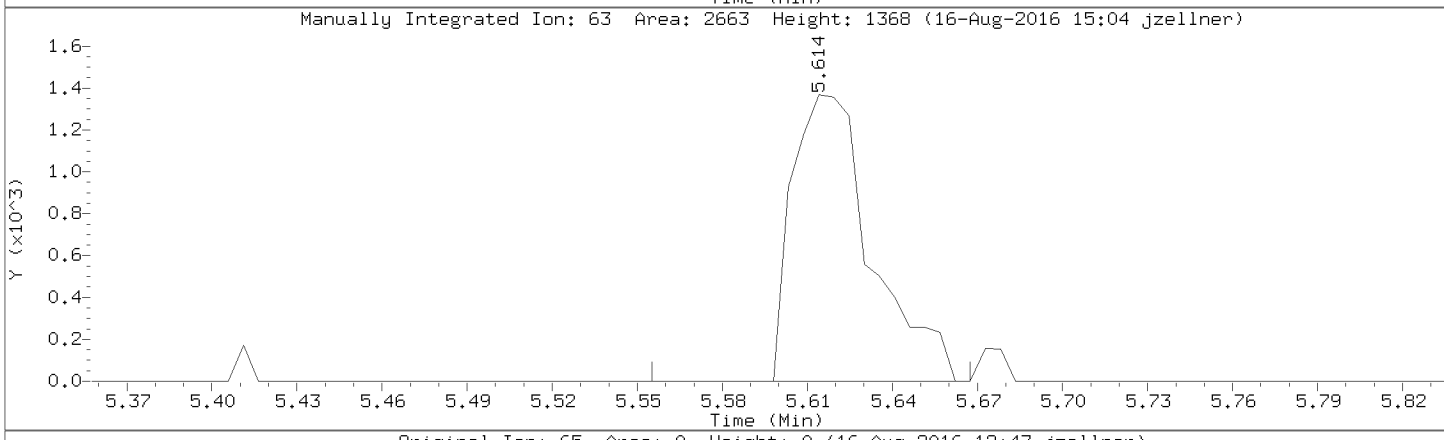
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

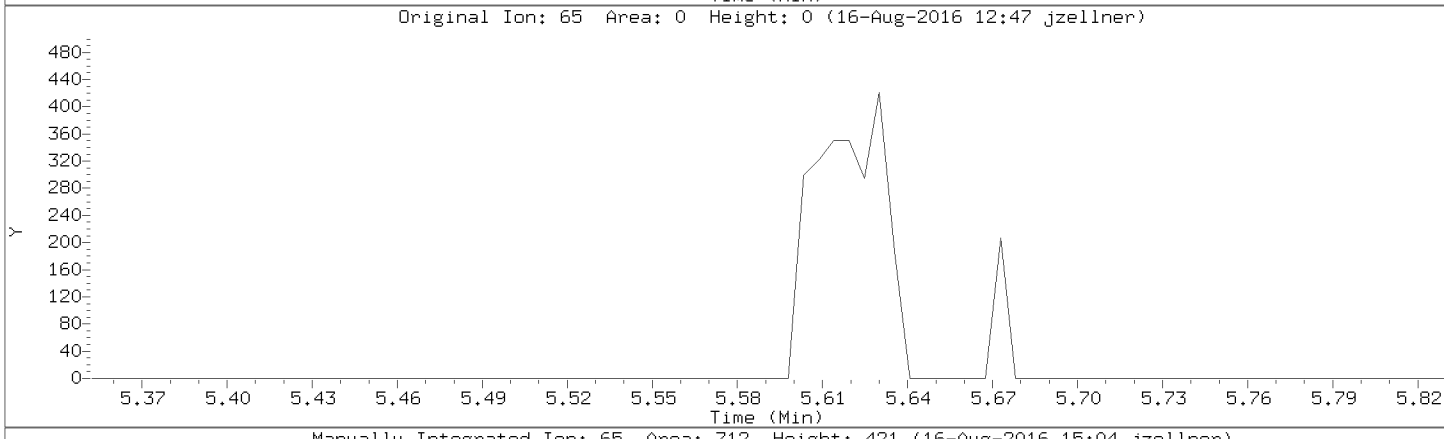


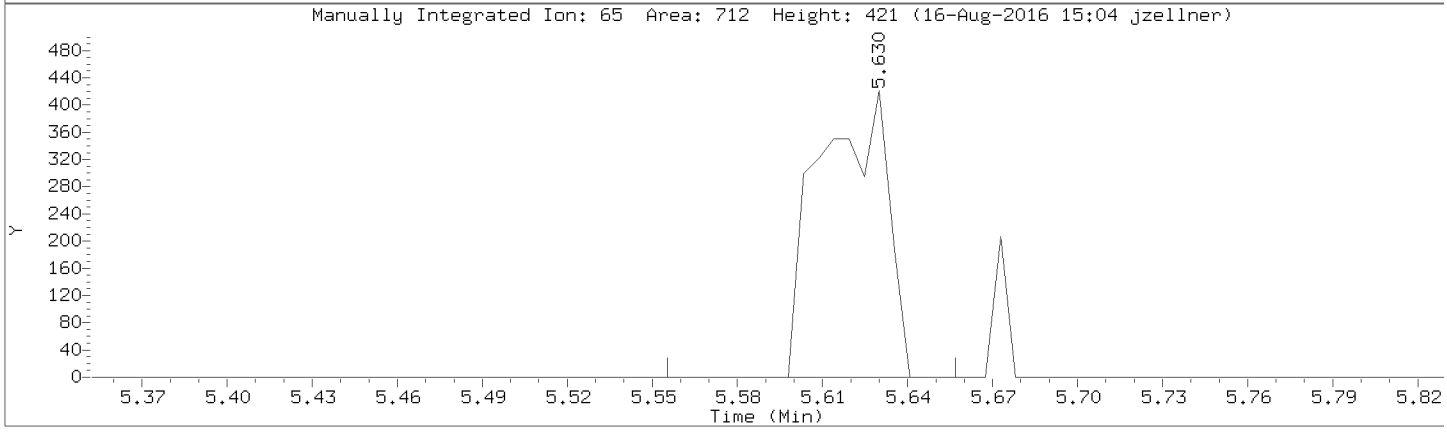
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 2-Chloroethyl vinyl ether Review Code: NI
CAS Number: 110-75-8



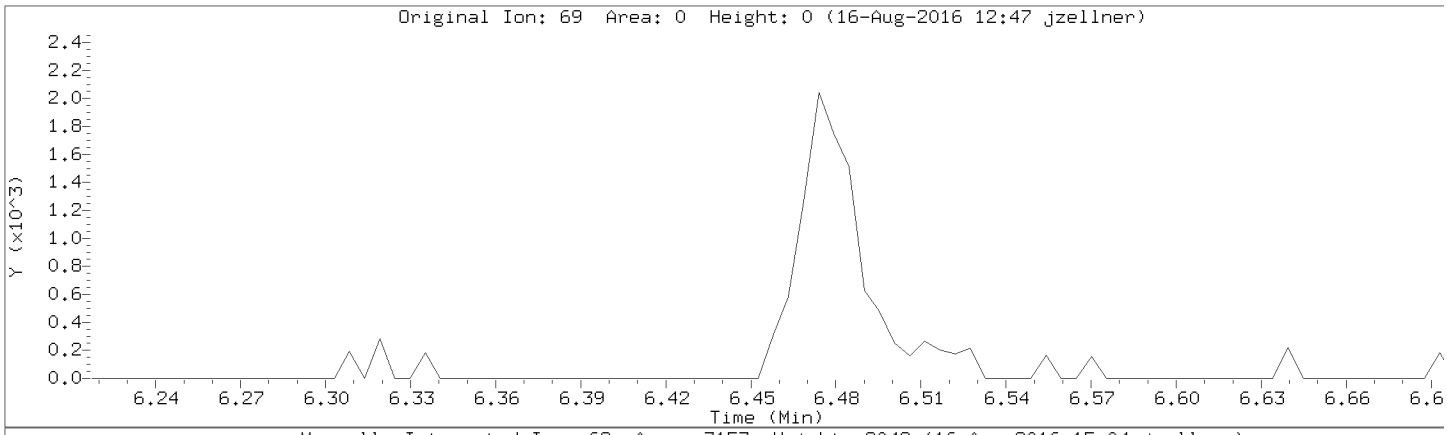


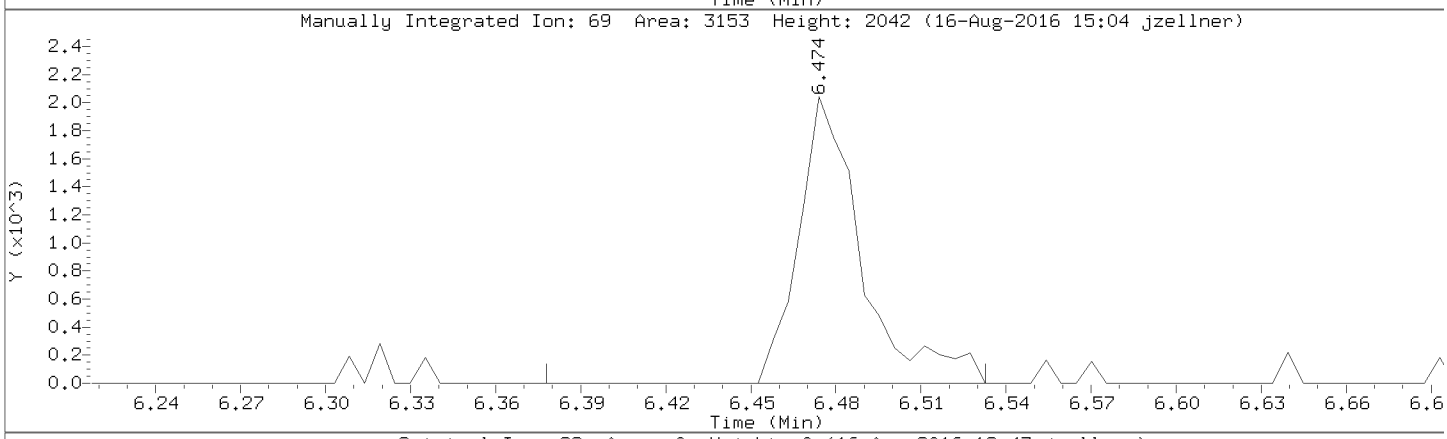


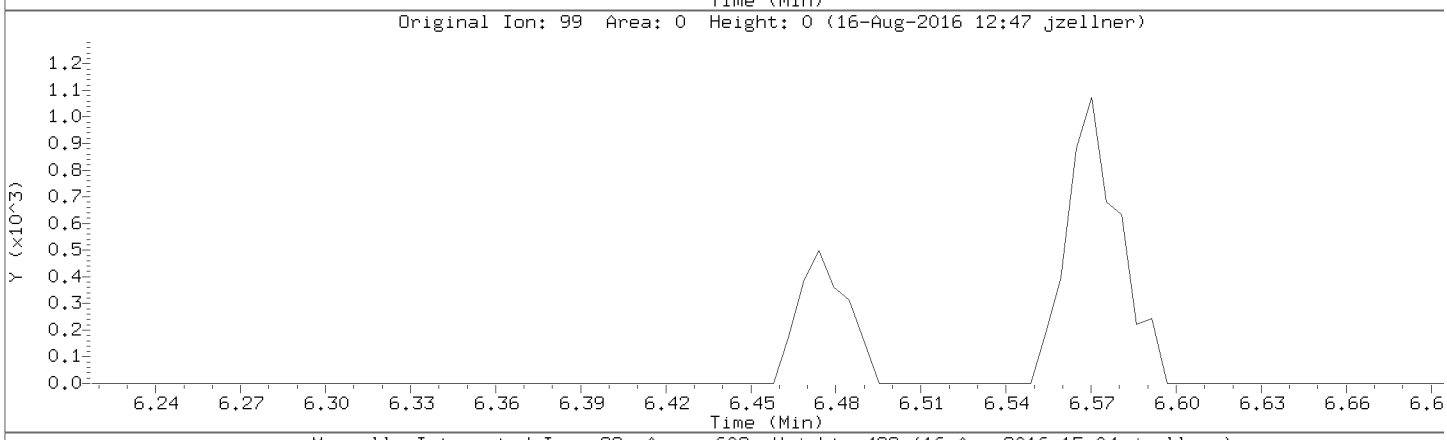


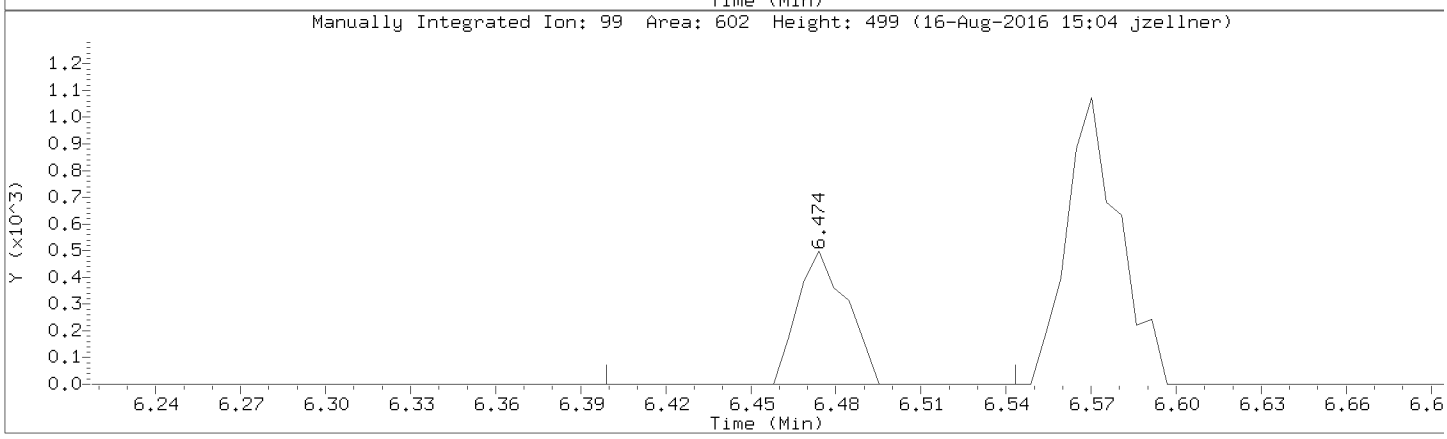
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:

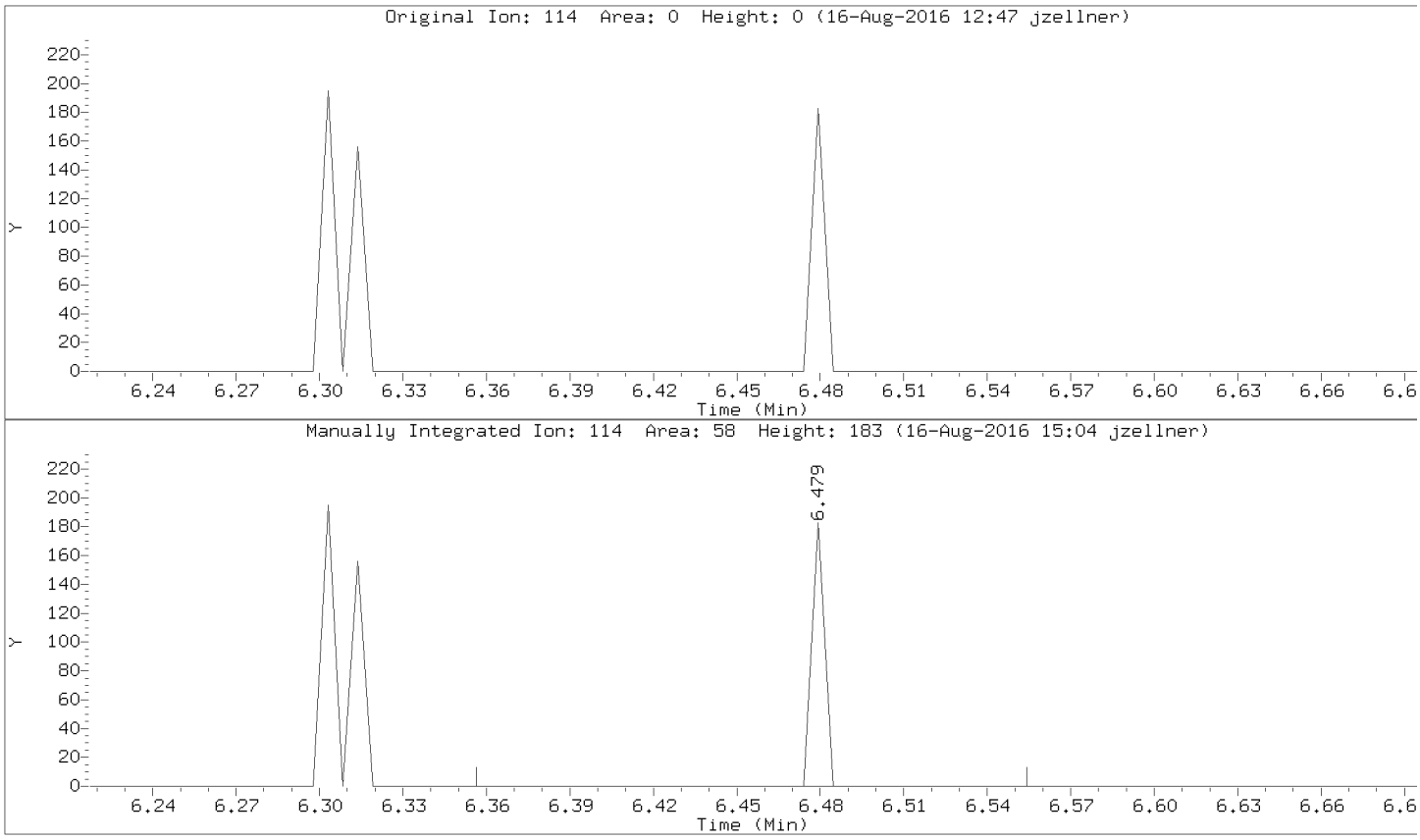






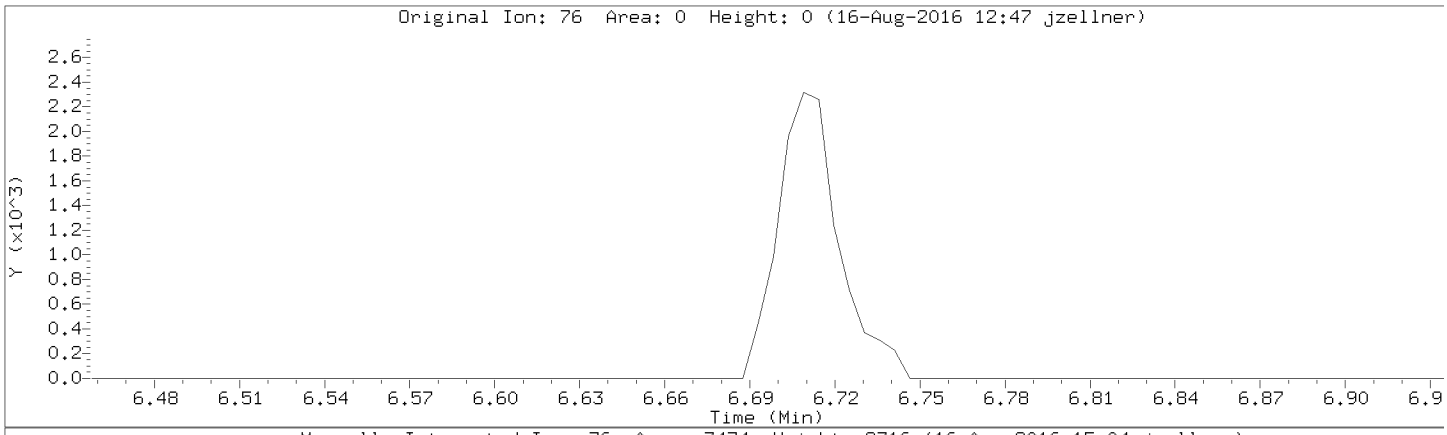


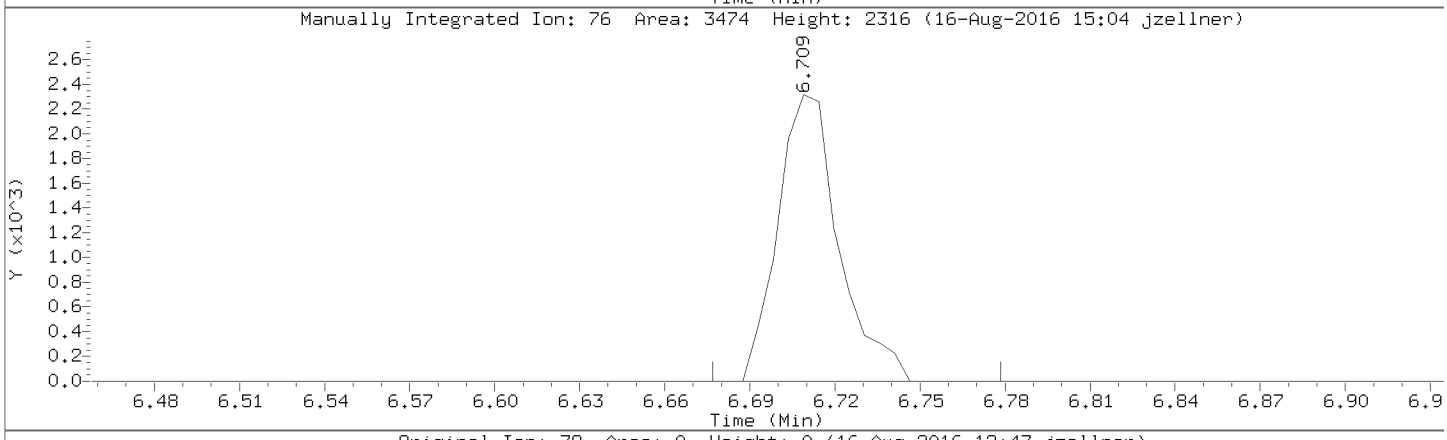
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

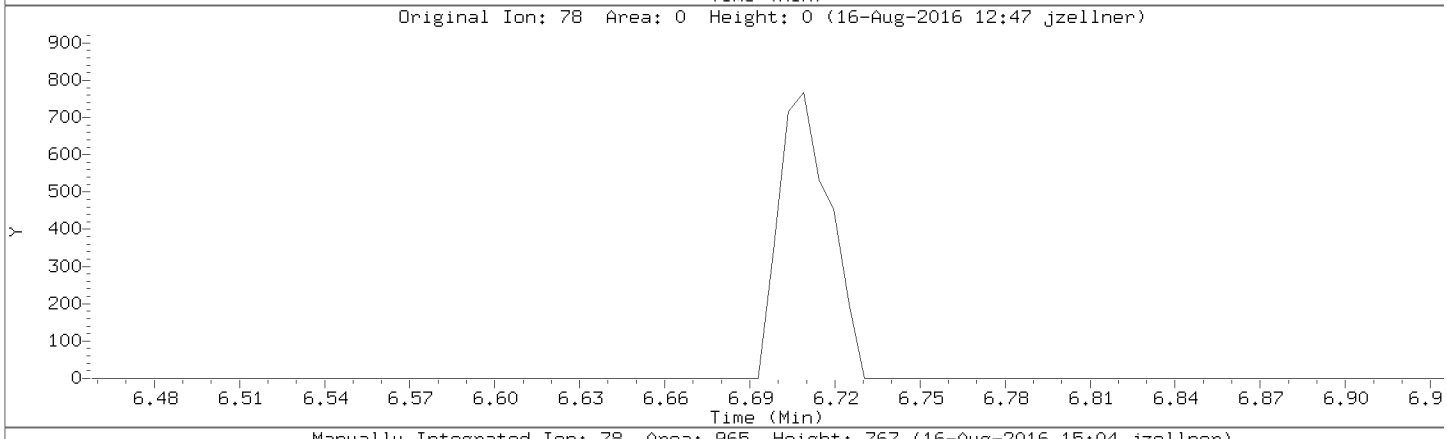


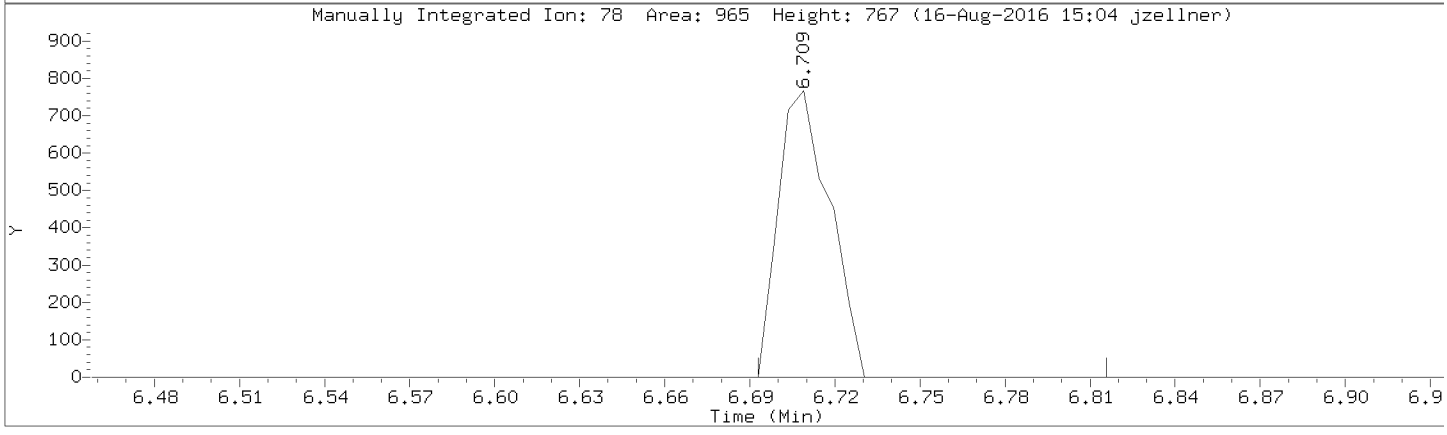
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 1,3-Dichloropropane Review Code: NI
CAS Number: 142-28-9



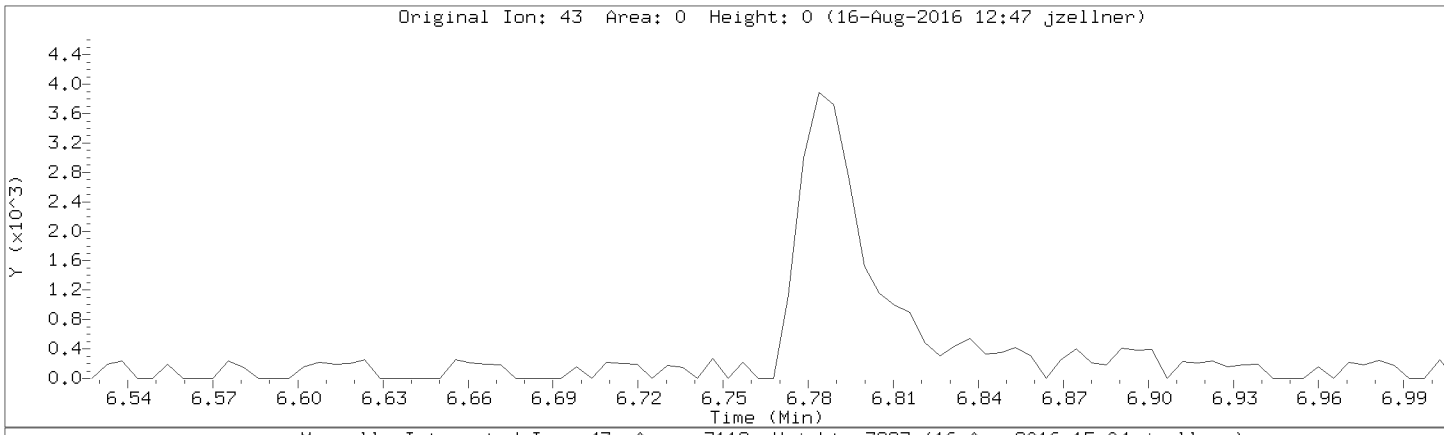


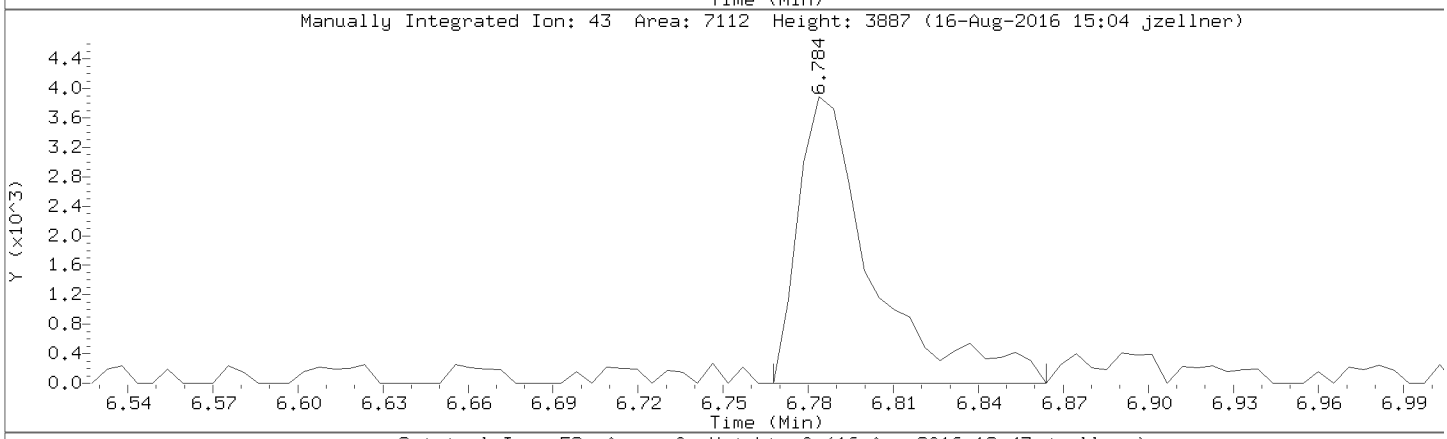


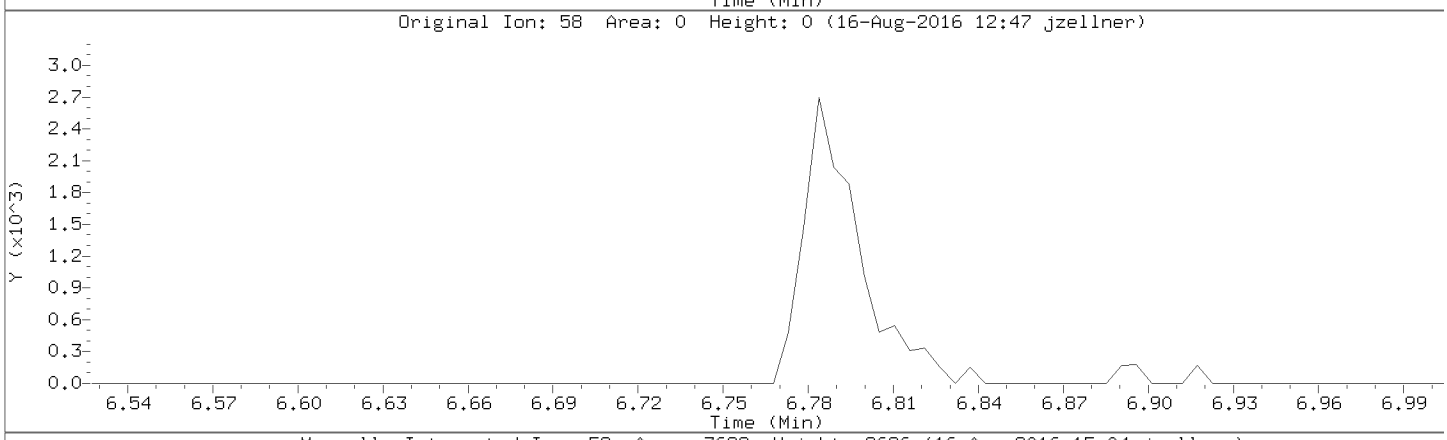


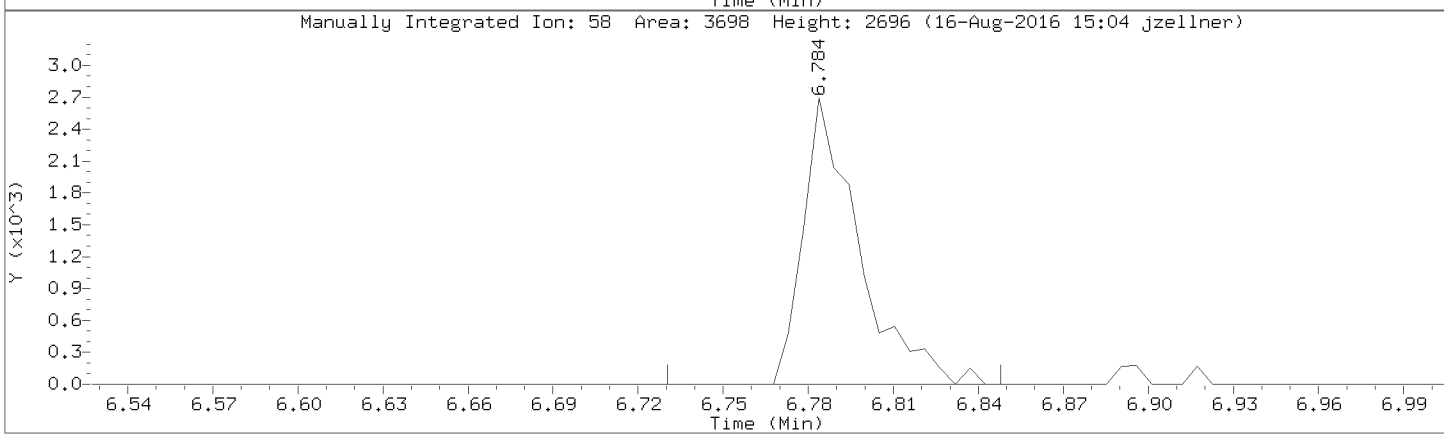
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 2-Hexanone Review Code: NI
CAS Number: 591-78-6









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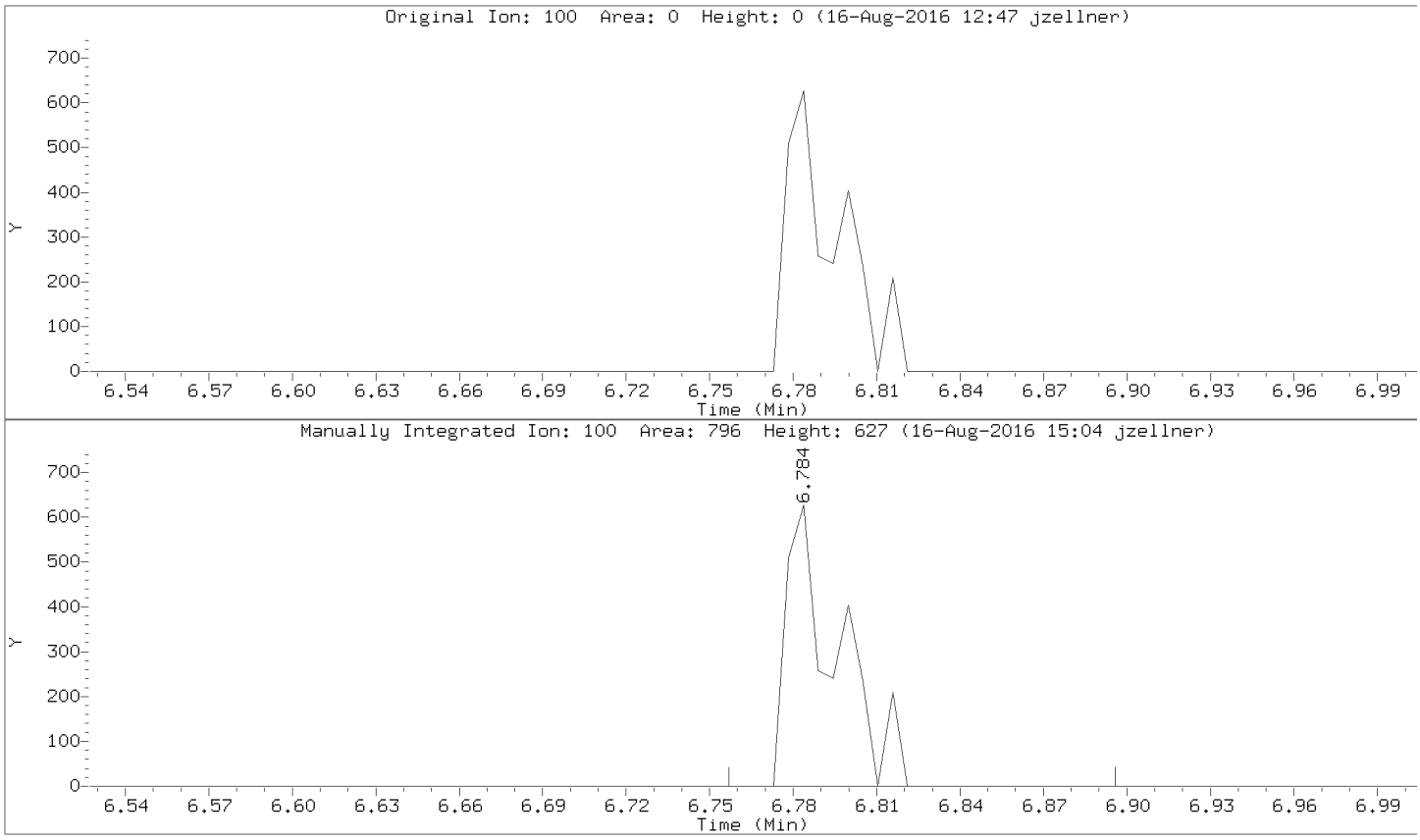
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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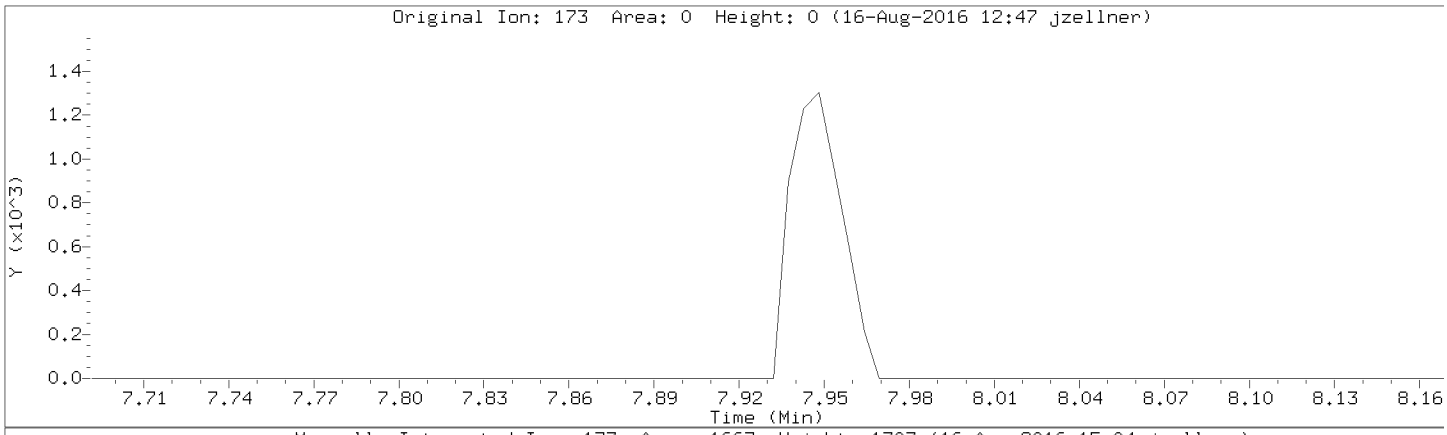
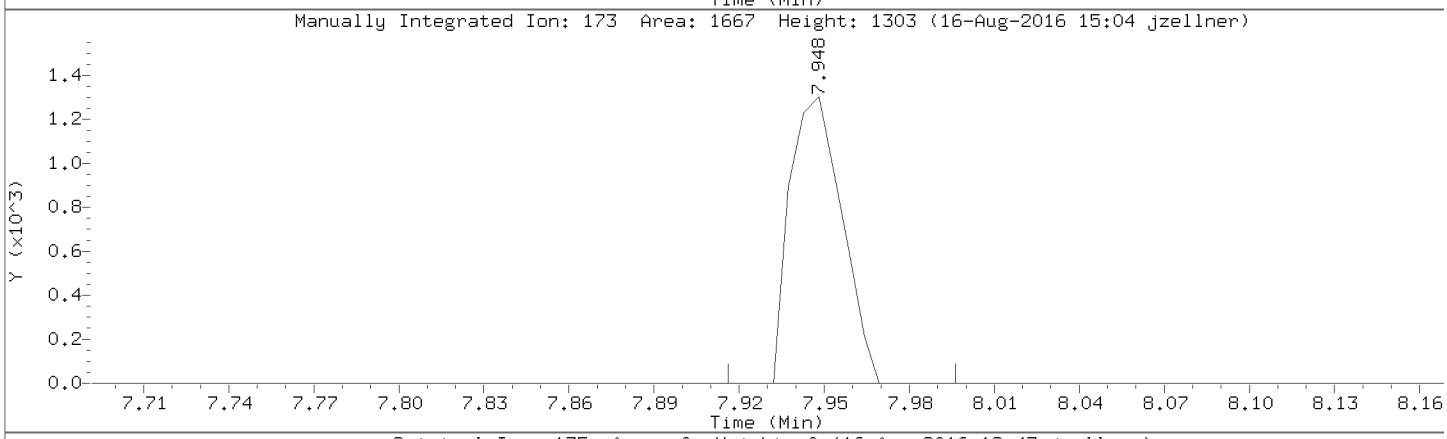
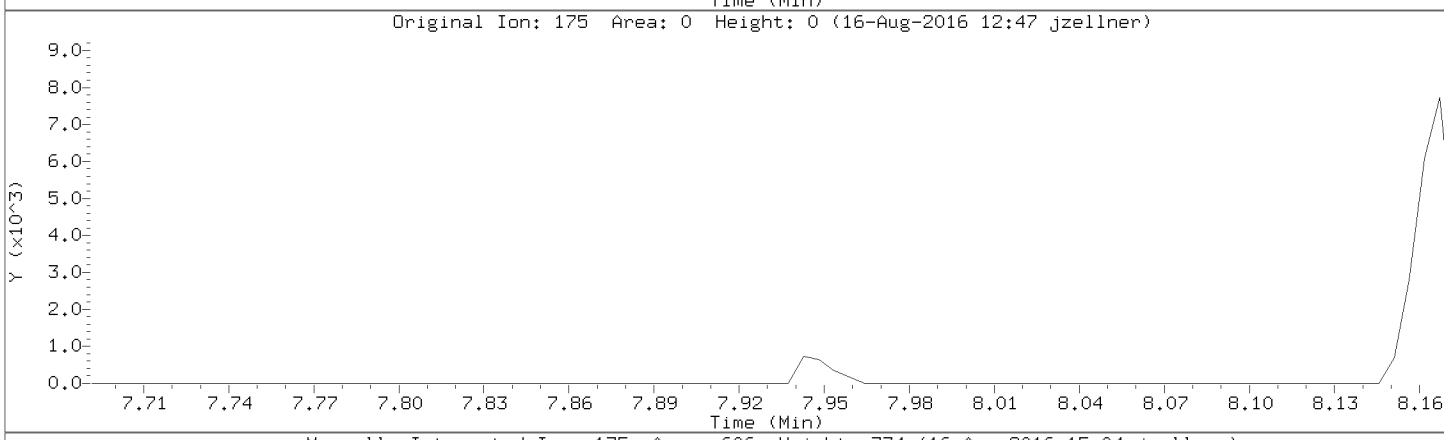
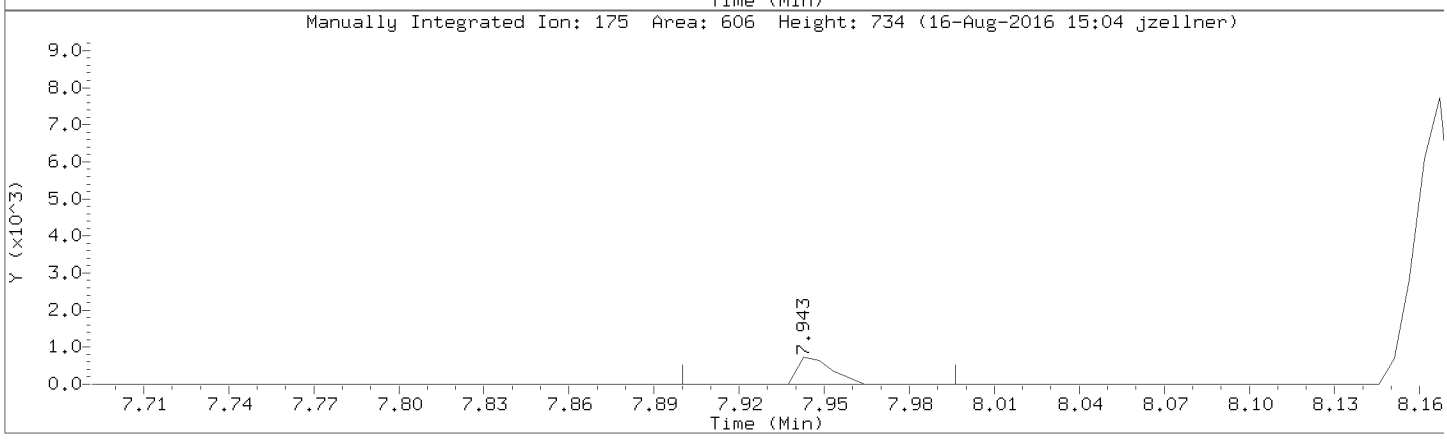
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2









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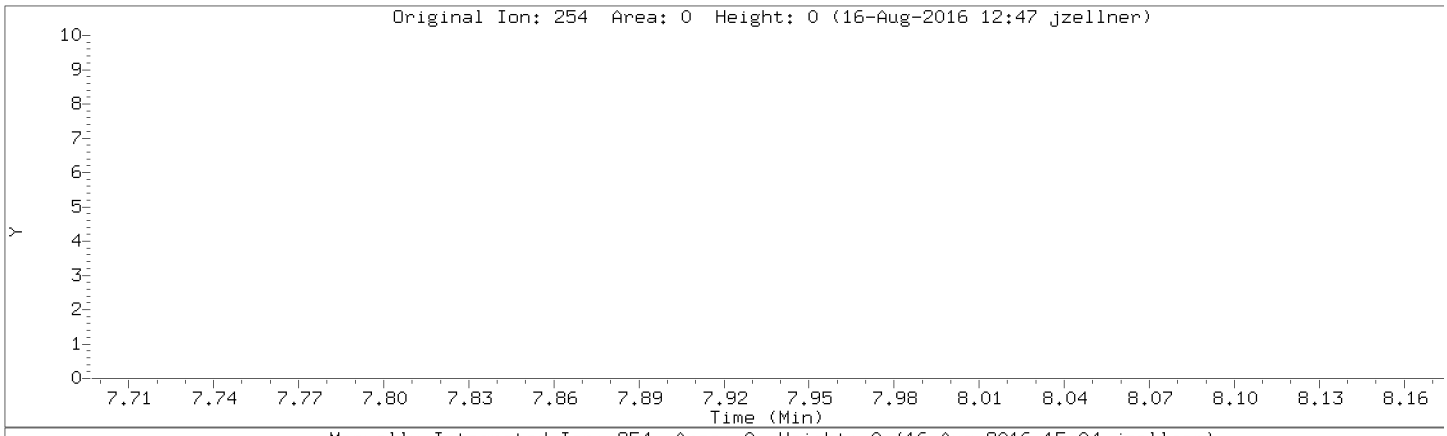
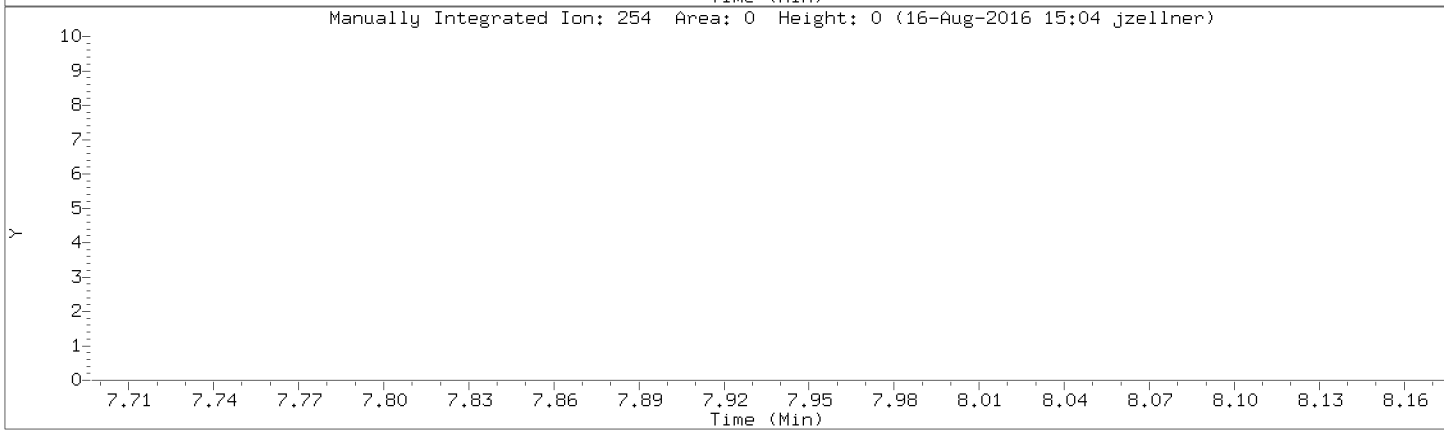
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0





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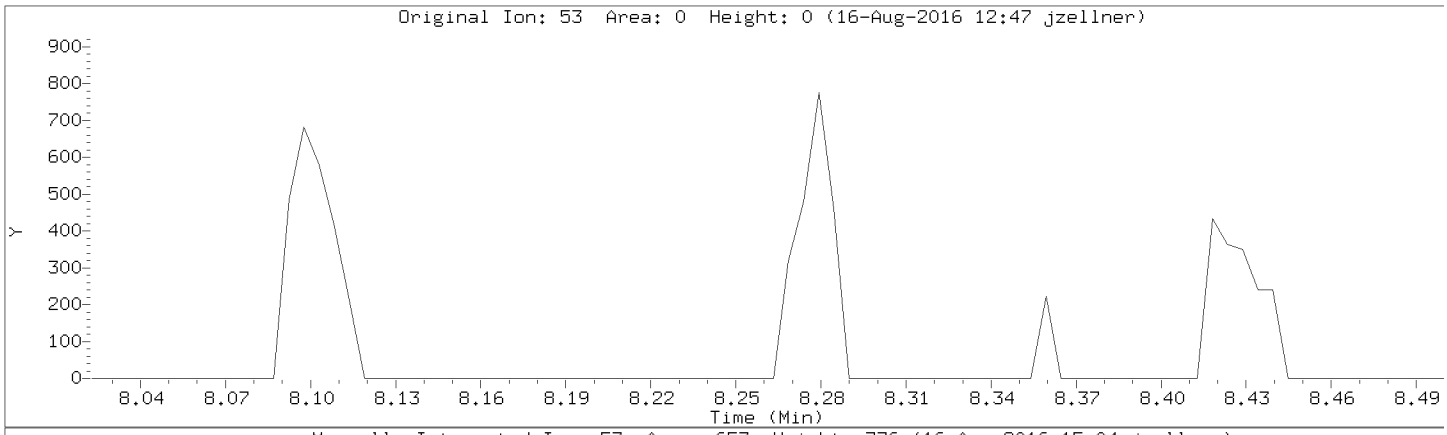
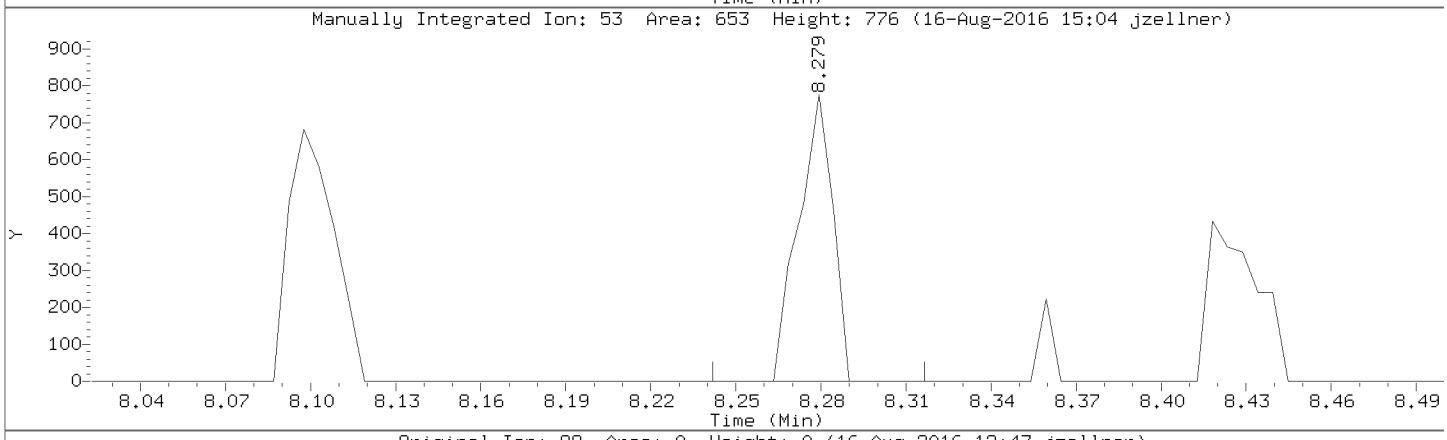
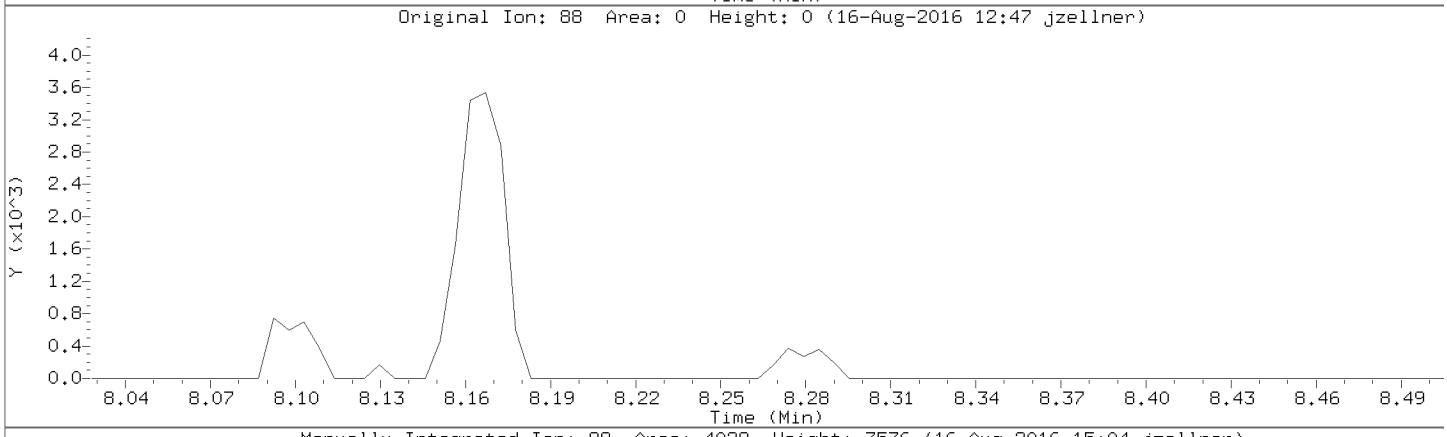
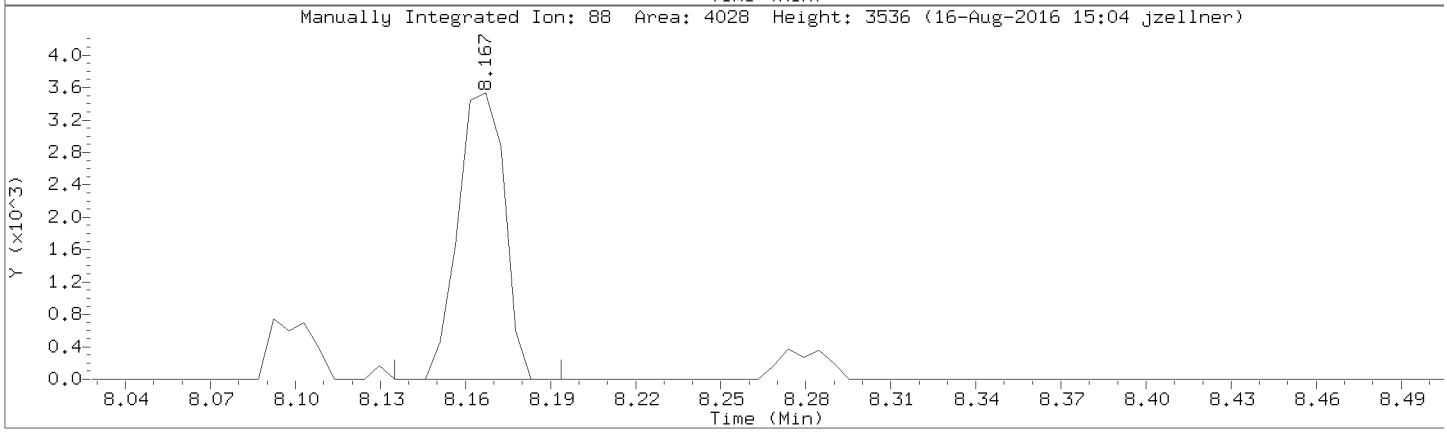
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: trans-1,4-Dichloro-2-butene Review Code: NI
CAS Number:









Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
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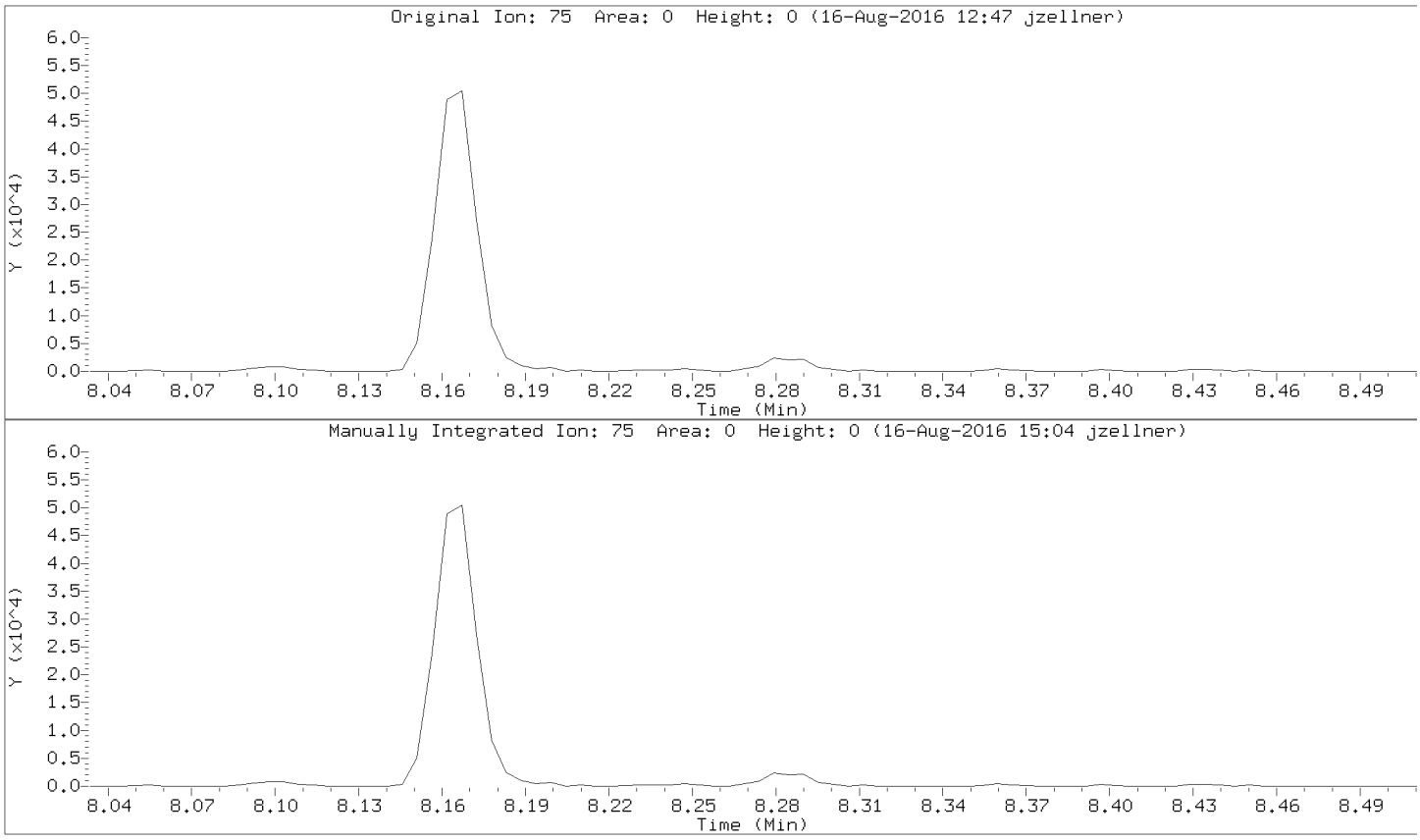
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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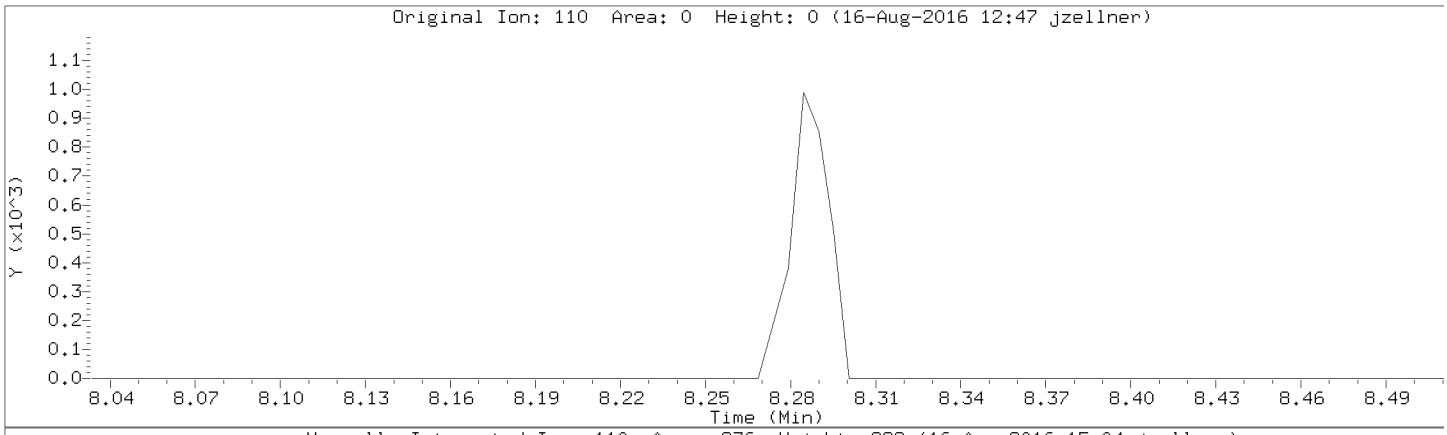
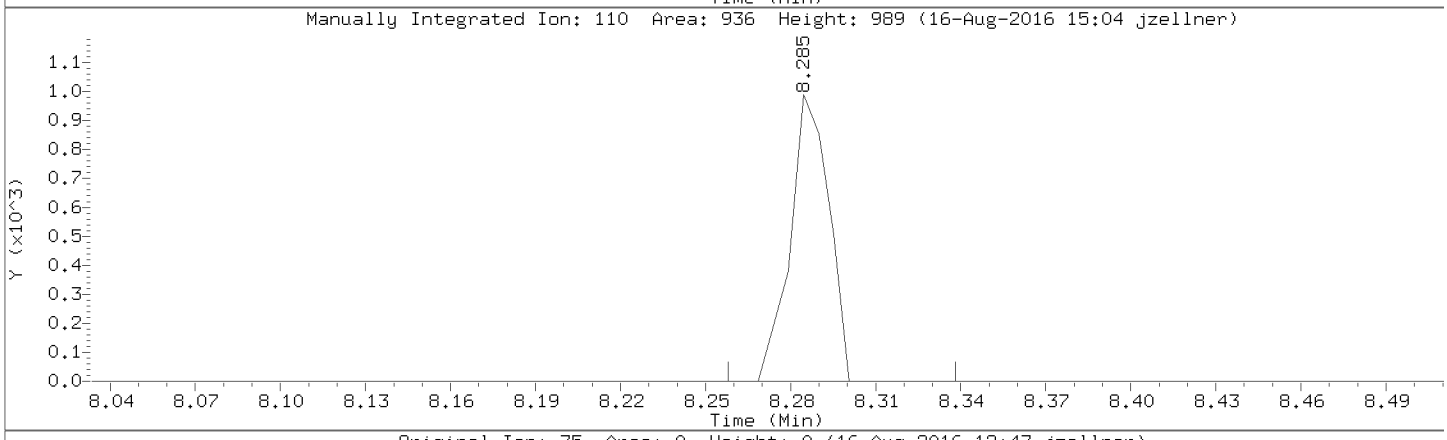
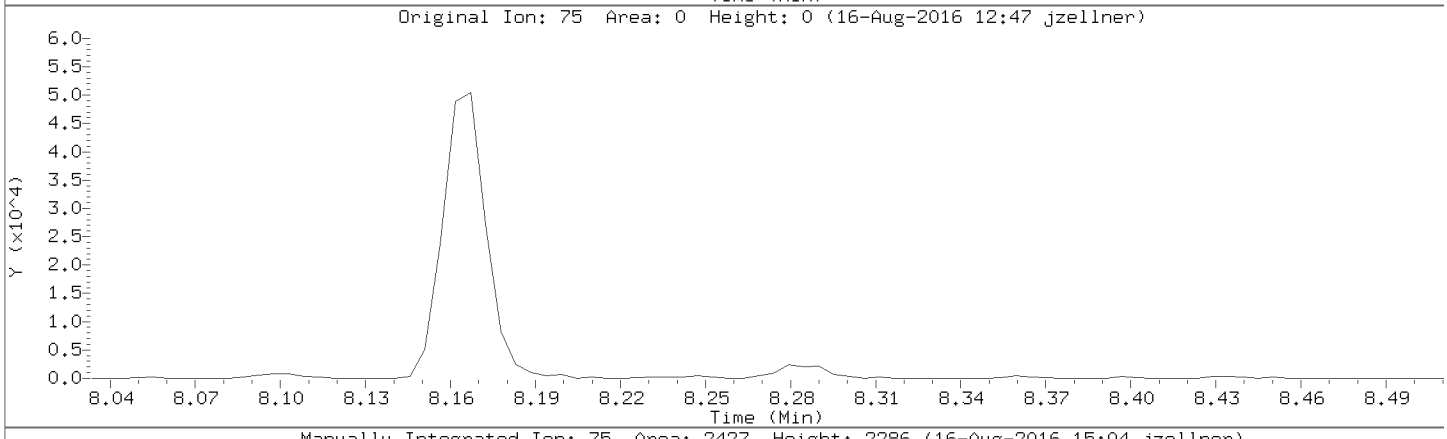
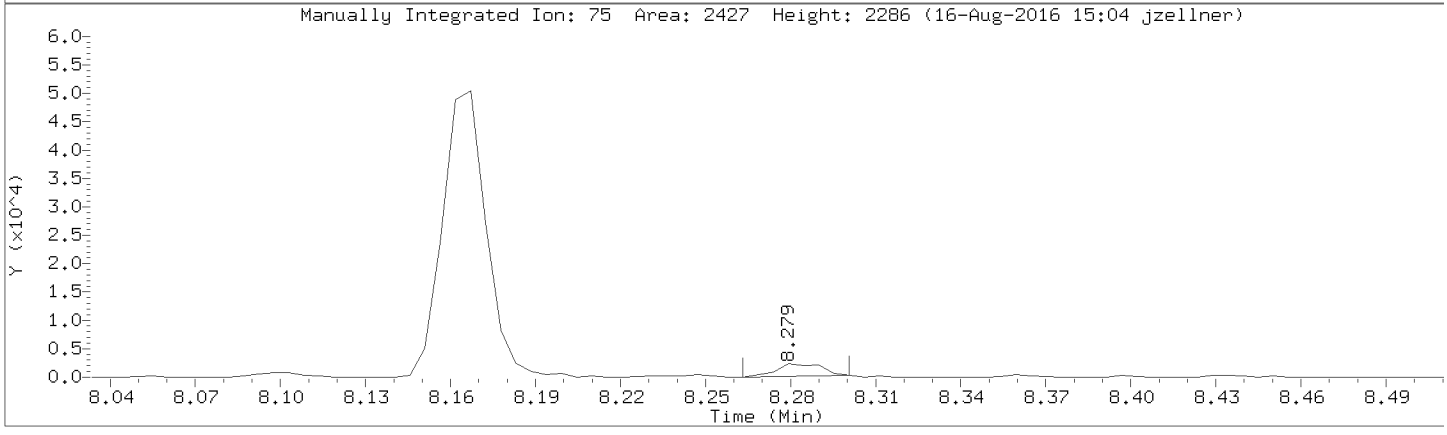
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 1,2,3-Trichloropropane Review Code: NI
CAS Number: 96-18-4









Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
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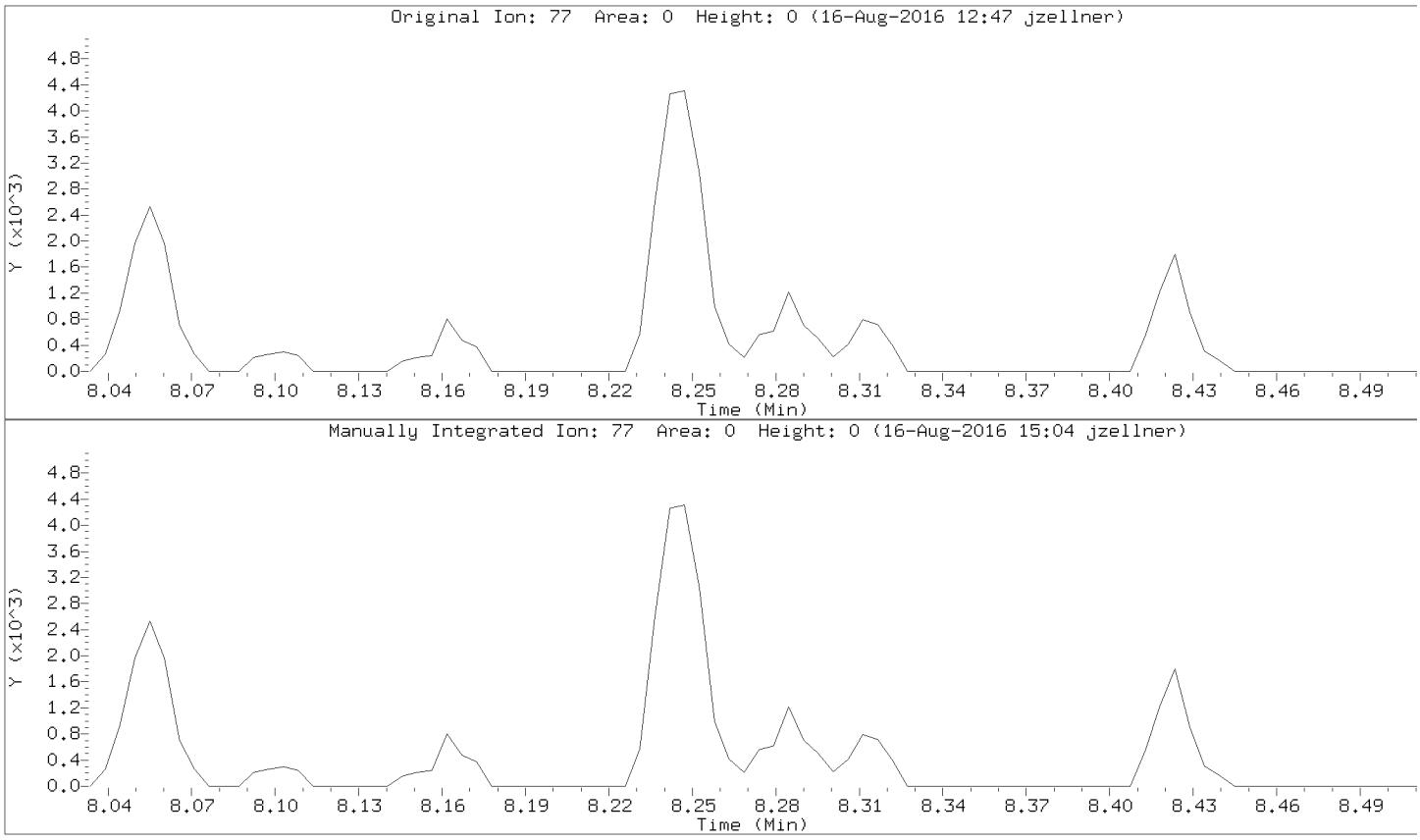
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



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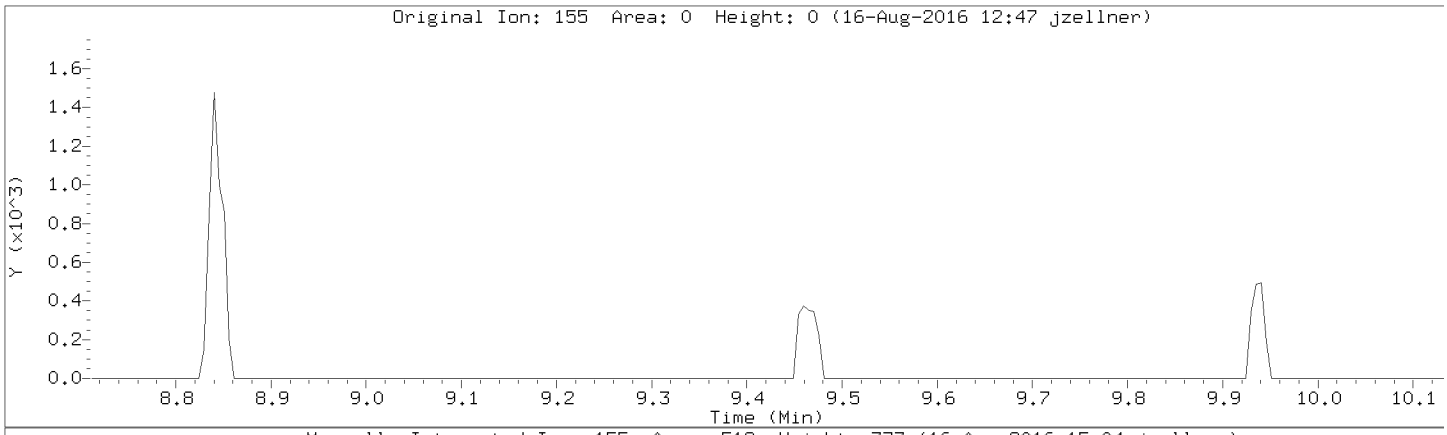
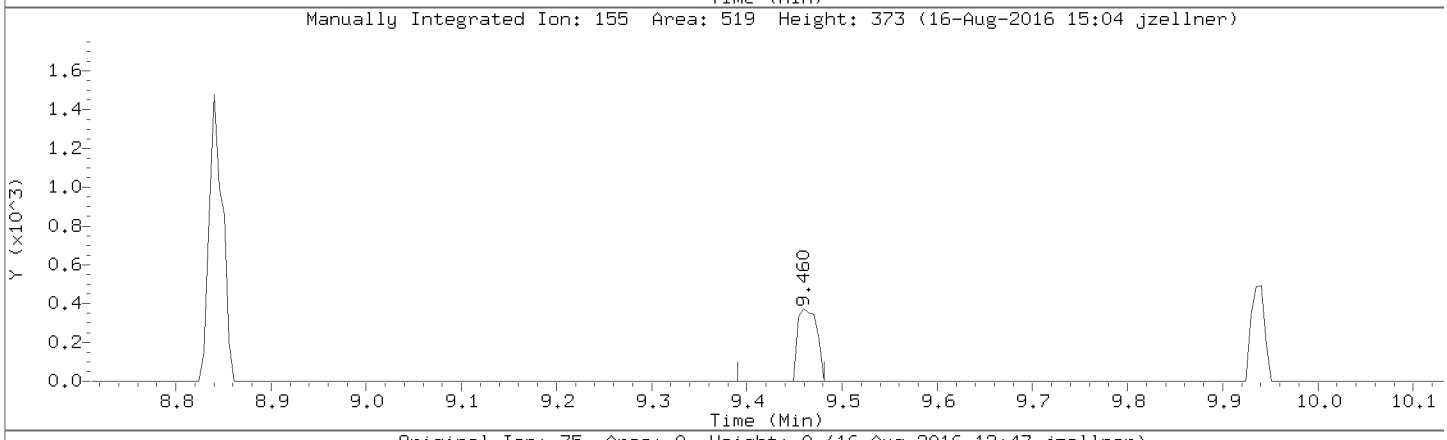
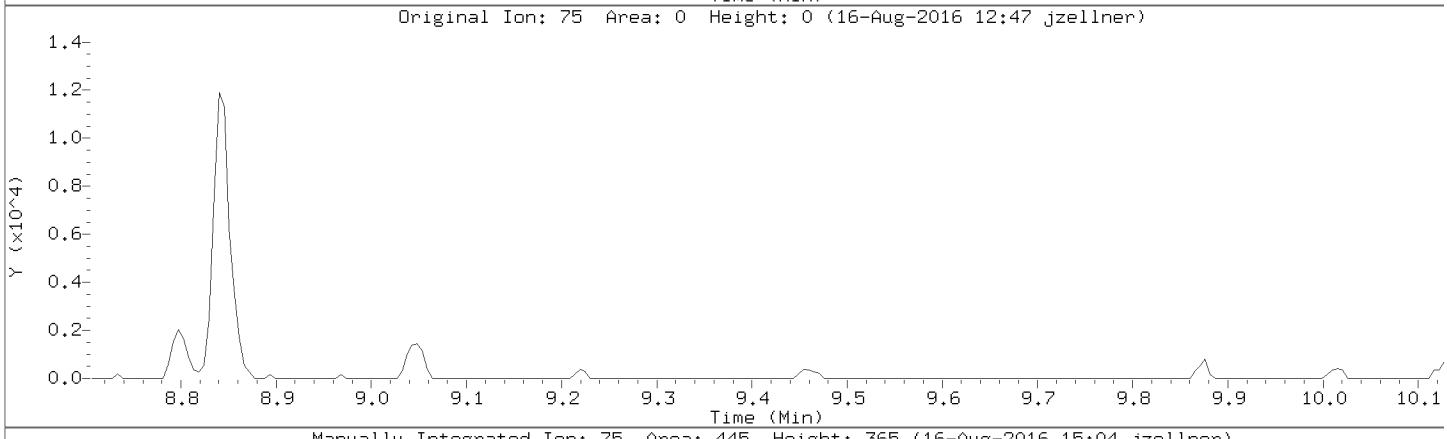
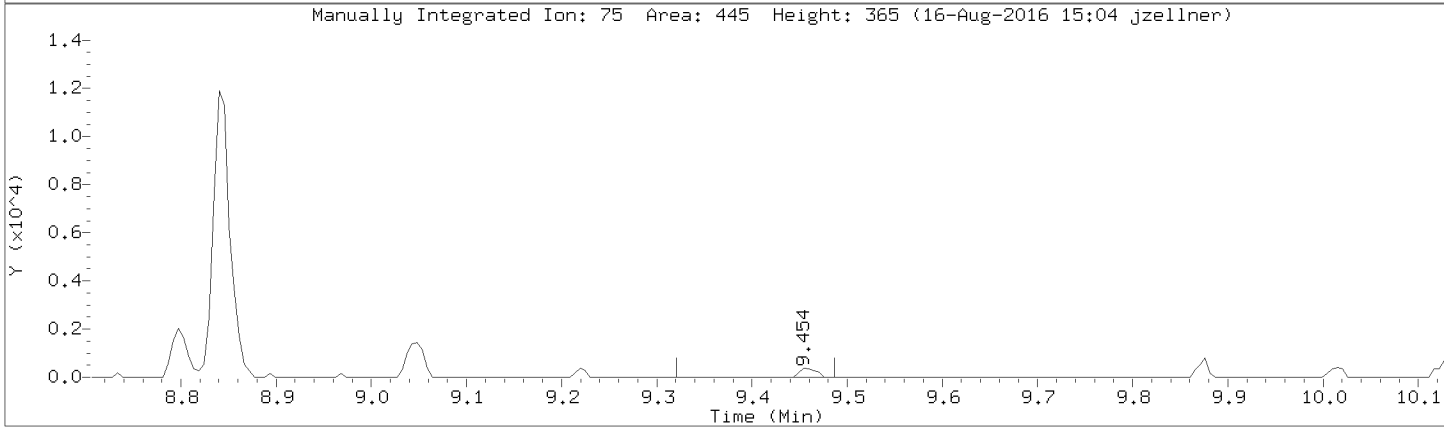
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0

Compound: 1,2-Dibromo-3-chloropropane Review Code: NI
CAS Number: 96-12-8

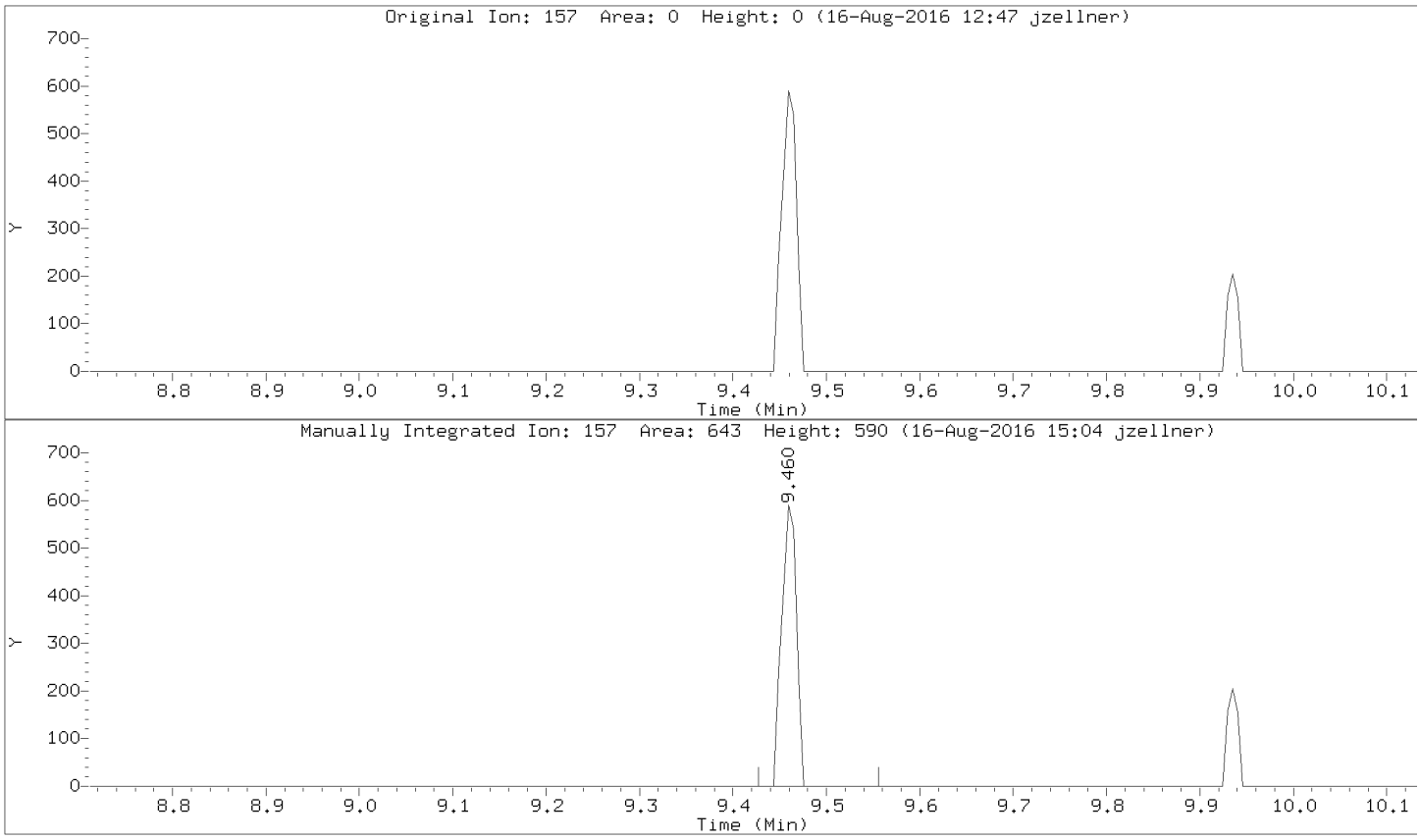








Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b02cal.d
Injection Date: 16-AUG-2016 11:08
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL2,128588:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b03cal.d
Lab Smp Id: 8260-CAL3,128589:0
Inj Date : 16-AUG-2016 11:40
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal3,128589:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 11:40 Cal File: b03cal.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.913	0.913	(0.219)	11723	5.00000	4.69(T)	
2	Chloromethane	50	0.998	0.996	(0.239)	13661	5.00000	5.12	
3	Vinyl Chloride	62	1.047	1.044	(0.251)	11748	5.00000	4.81	
4	Bromomethane	94	1.191	1.194	(0.286)	5465	5.00000	4.48	
5	Chloroethane	64	1.239	1.234	(0.297)	7268	5.00000	5.15	
6	Trichlorofluoromethane	101	1.351	1.348	(0.324)	14123	5.00000	4.78	
7	Diethyl ether	74	1.474	1.477	(0.353)	4396	5.00000	4.81	
8	1,2-dichlorotrifluoroethane	67	1.490	1.493	(0.357)	11043	5.00000	5.04	
9	Acrolein	56	1.543	1.551	(0.370)	9190	100.000	112	
10	1,1,2trichlorotrifluoroethane	101	1.602	1.600	(0.384)	8923	5.00000	4.94	
11	1,1-Dichloroethene	96	1.602	1.602	(0.384)	7072	5.00000	4.85	
12	Acetone	43	1.613	1.613	(0.387)	7603	25.0000	25.2	
13	Iodomethane	142	1.693	1.690	(0.406)	13632	10.0000	8.33	
14	Carbon Disulfide	76	1.736	1.736	(0.416)	29482	5.00000	5.18	
15	Methyl Acetate	43	1.784	1.784	(0.428)	6094	5.00000	5.77	
16	allyl chloride	41	1.800	1.797	(0.432)	23985	10.0000	9.29	
17	Acetonitrile	39	1.800	1.797	(0.432)	19220	5.00000	4.88	
18	Methylene Chloride	84	1.869	1.872	(0.448)	10084	5.00000	5.60	
19	tert-Butyl Alcohol	59	1.912	1.917	(0.458)	1123	10.0000	8.92(M)	WP
20	Acrylonitrile	53	2.013	2.008	(0.483)	7578	20.0000	20.7	
21	Methyl-tert-butyl ether	73	2.035	2.037	(0.488)	19567	5.00000	4.88	
22	1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	8217	5.00000	4.90	
23	n-Hexane	57	2.232	2.233	(0.535)	15095	5.00000	4.87	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.339	2.339	(0.561)	47668	20.0000	18.7	
	25 1,1-Dichloroethane	63	2.350	2.350	(0.563)	13256	5.00000	4.64	
	26 Chloroprene	53	2.409	2.409	(0.577)	13545	5.00000	4.92	
	27 2-Butanone	72	2.814	2.809	(0.675)	2732	25.0000	22.8(QM)	NI
	28 1,2-Dichloroethene (cis)	96	2.825	2.828	(0.677)	8556	5.00000	5.00	
	29 2,2-Dichloropropane	77	2.830	2.831	(0.679)	13217	5.00000	5.00	
	30 Propionitrile	54	2.895	2.868	(0.694)	816	5.00000	5.59(QM)	NI
	31 Methacrylonitrile	41	3.023	3.012	(0.725)	2663	5.00000	4.49	
	32 Bromochloromethane	49	3.055	3.060	(0.732)	6024	5.00000	5.36	
	33 Tetrahydrofuran	42	3.092	3.082	(0.741)	2156	5.00000	6.39(M)	NI
	34 Chloroform	83	3.167	3.175	(0.759)	13153	5.00000	4.60	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	78731	50.0000	50.9	
	36 1,1,1-Trichloroethane	97	3.338	3.346	(0.800)	13106	5.00000	4.84	
	37 Cyclohexane	56	3.429	3.432	(0.822)	13332	5.00000	4.71	
	151 n-Butyl chloride	56	3.493	3.493	(0.837)	18393	5.00000	4.92	
	38 Carbon Tetrachloride	117	3.530	3.530	(0.846)	11348	5.00000	4.84	
	39 1,1-Dichloropropene	75	3.536	3.536	(0.848)	10796	5.00000	4.67	
	40 Benzene	78	3.776	3.773	(0.905)	32064	5.00000	4.84	
	41 1,2-Dichloroethane	62	3.861	3.862	(0.926)	8629	5.00000	4.82(M)	NI
	42 Isobutyl alcohol	43	3.957	3.958	(0.949)	6863	5.00000	4.80(QM)	NI
	43 2,2,4-Trimethylpentane	57	3.947	3.950	(0.946)	35505	5.00000	4.76	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	330383	50.0000		
	45 Trichloroethene	95	4.625	4.628	(1.109)	8652	5.00000	5.11	
	46 Methylcyclohexane	55	4.887	4.892	(1.172)	11432	5.00000	4.80	
	47 1,2-Dichloropropane	63	4.930	4.930	(1.182)	7220	5.00000	4.68	
	48 Methyl methacrylate	69	5.052	5.047	(1.211)	3429	5.00000	4.42(Q)	
	49 Dibromomethane	93	5.036	5.026	(1.207)	3804	5.00000	5.03	
	50 1,4-Dioxane	88	5.042	5.042	(1.209)	647	100.000	140(M)	NI
	51 Bromodichloromethane	83	5.255	5.250	(1.260)	9515	5.00000	4.81(M)	NI
	52 2-Chloroethyl vinyl ether	63	5.613	5.608	(0.764)	6332	10.0000	9.32	
	53 cis-1,3-Dichloropropene	75	5.752	5.747	(0.783)	11474	5.00000	4.81	
	54 4-Methyl-2-Pentanone	43	5.923	5.923	(0.807)	23418	25.0000	23.4	
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	324558	50.0000	50.1	
	56 Toluene	91	6.099	6.097	(0.831)	36372	5.00000	4.74	
	57 trans-1,3-Dichloropropene	75	6.382	6.383	(0.869)	9378	5.00000	4.70	
	58 Ethyl Methacrylate	69	6.468	6.468	(0.881)	7855	5.00000	4.82(M)	NI
	59 1,1,2-Trichloroethane	83	6.564	6.564	(0.894)	4724	5.00000	5.05	
	60 Tetrachloroethene	166	6.617	6.625	(0.901)	9902	5.00000	5.16	
	61 1,3-Dichloropropane	76	6.708	6.708	(0.913)	8758	5.00000	4.68	
	62 2-Hexanone	43	6.783	6.778	(0.924)	16955	25.0000	24.5	
	63 Dibromochloromethane	129	6.895	6.893	(0.939)	6543	5.00000	4.63	
	64 1,2-Dibromoethane	107	6.980	6.978	(0.951)	4786	5.00000	4.38	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	244917	50.0000		
	66 Chlorobenzene	112	7.370	7.368	(1.004)	22701	5.00000	4.87	
	67 1,1,1,2-Tetrachloroethane	131	7.445	7.443	(1.014)	7336	5.00000	4.57	
	68 Ethylbenzene	106	7.450	7.453	(1.015)	13363	5.00000	4.81	
	69 m&p-Xylene	106	7.547	7.549	(1.028)	32470	10.0000	9.68	
	70 o-Xylene	106	7.808	7.811	(1.063)	16066	5.00000	5.05	
	71 Styrene	104	7.824	7.827	(1.065)	25347	5.00000	4.81	
	72 Bromoform	173	7.942	7.942	(0.898)	3827	5.00000	4.65	
	73 Isopropylbenzene	105	8.054	8.057	(1.097)	41628	5.00000	4.77	
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	117400	50.0000	50.6	
	75 Bromobenzene	77	8.246	8.244	(1.123)	14035	5.00000	4.92	
	76 1,1,2,2-Tetrachloroethane	83	8.257	8.254	(0.934)	6750	5.00000	5.25	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.273	8.273	(1.127)	1845	5.00000	4.87(Q)	
78	1,2,3-Trichloropropane	110	8.284	8.284	(0.937)	2041	5.00000	4.94	
79	n-Propylbenzene	91	8.310	8.313	(0.940)	49116	5.00000	5.00	
80	2-Chlorotoluene	91	8.358	8.361	(0.946)	27222	5.00000	4.93	
81	1,3,5-Trimethylbenzene	105	8.423	8.425	(0.953)	35241	5.00000	4.99	
82	4-Chlorotoluene	126	8.439	8.436	(0.955)	10579	5.00000	5.14	
83	tert-Butylbenzene	119	8.604	8.602	(0.973)	40798	5.00000	4.95	
84	1,2,4-Trimethylbenzene	105	8.636	8.639	(0.977)	36282	5.00000	5.10	
85	sec-Butylbenzene	105	8.727	8.730	(0.987)	46402	5.00000	4.95	
86	1,3-Dichlorobenzene	146	8.796	8.799	(0.995)	19980	5.00000	5.09	
87	p-Isopropyltoluene	119	8.812	8.815	(0.997)	39942	5.00000	4.90	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	123344	50.0000		
89	1,4-Dichlorobenzene	146	8.855	8.858	(1.002)	19993	5.00000	4.93	
90	n-Butylbenzene	91	9.031	9.034	(1.022)	35772	5.00000	4.91	
91	1,2-Dichlorobenzene	146	9.047	9.045	(1.024)	18766	5.00000	5.18	
92	1,2-Dibromo-3-chloropropane	155	9.459	9.459	(1.070)	1191	5.00000	5.15	
93	1,2,4-Trichlorobenzene	180	9.870	9.878	(1.117)	12200	5.00000	4.96	
94	Hexachlorobutadiene	225	9.934	9.929	(1.124)	6884	5.00000	5.05	
95	Naphthalene	128	10.014	10.022	(1.133)	24738	5.00000	4.77	
96	1,2,3-Trichlorobenzene	180	10.126	10.135	(1.146)	10990	5.00000	5.00	
97	2,methyl-naphthalene	142	10.644	10.658	(1.204)	16581	5.00000	4.82	
98	1-Methylnaphthalene	142	10.762	10.770	(1.218)	14689	5.00000	4.93	
99	Isopropyl Acetate	61	1.602	1.602	(0.384)	11710	25.0000	24.6	
100	Ethyl Acetate	88	2.403	2.409	(0.576)	7988	50.0000	51.6(QM)	WP

QC Flag Legend

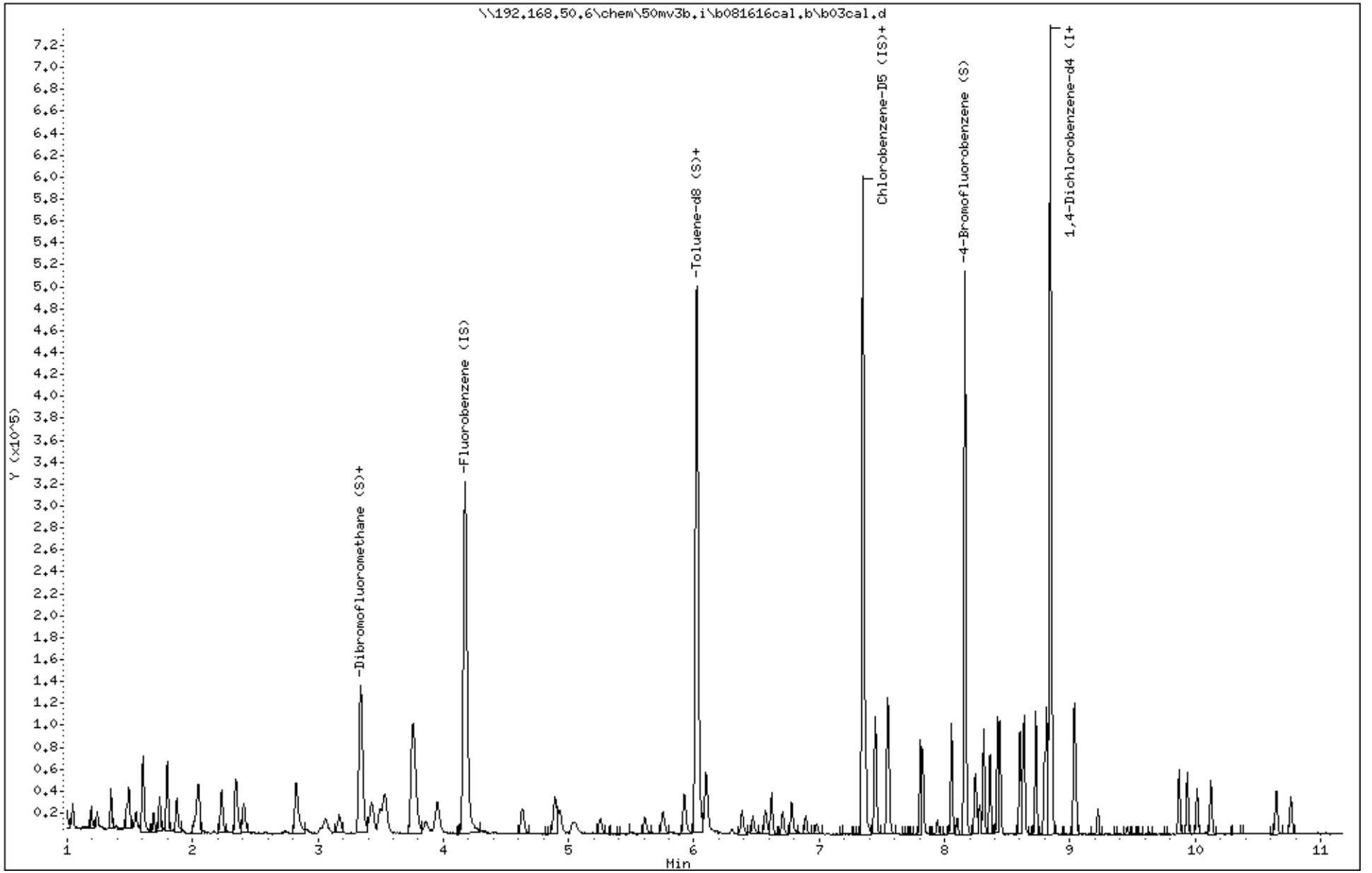
T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:
WP: Indicates that the wrong peak was chosen by the data system.
NI: Indicates that the peak was not integrated at all by the computer software.

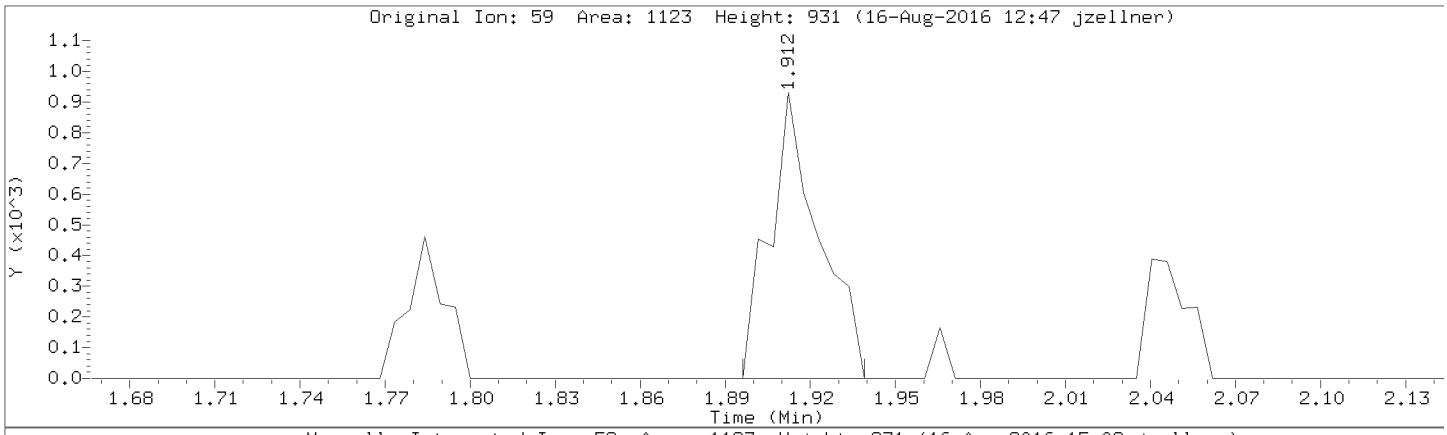
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b03cal.d
Date : 16-AUG-2016 11:40
Client ID:
Sample Info: 8260-CAL3,128589:0
Purge Volume: 5.0
Column phase: DB-624

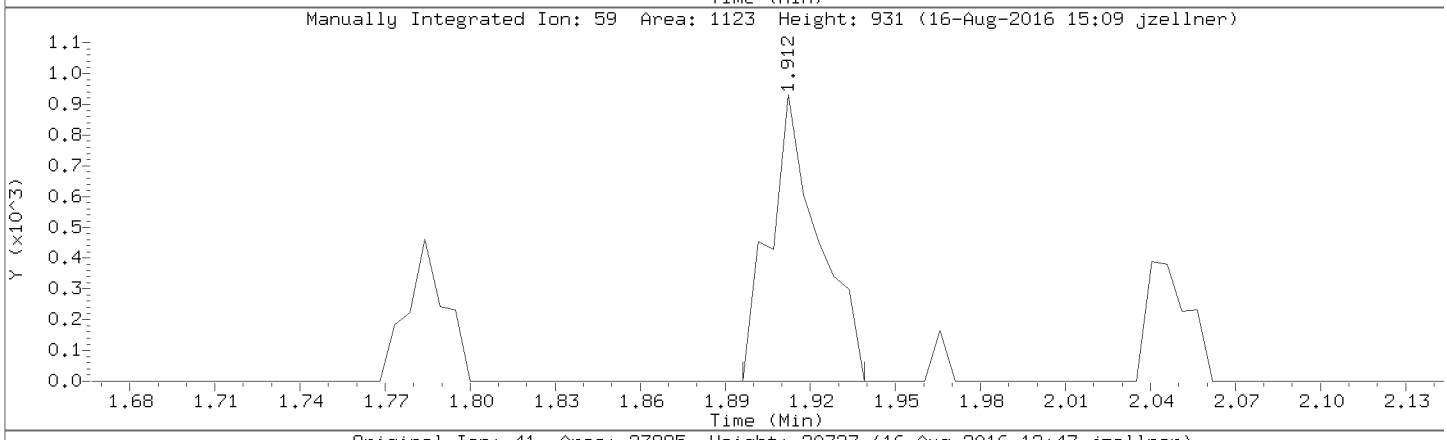
Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18

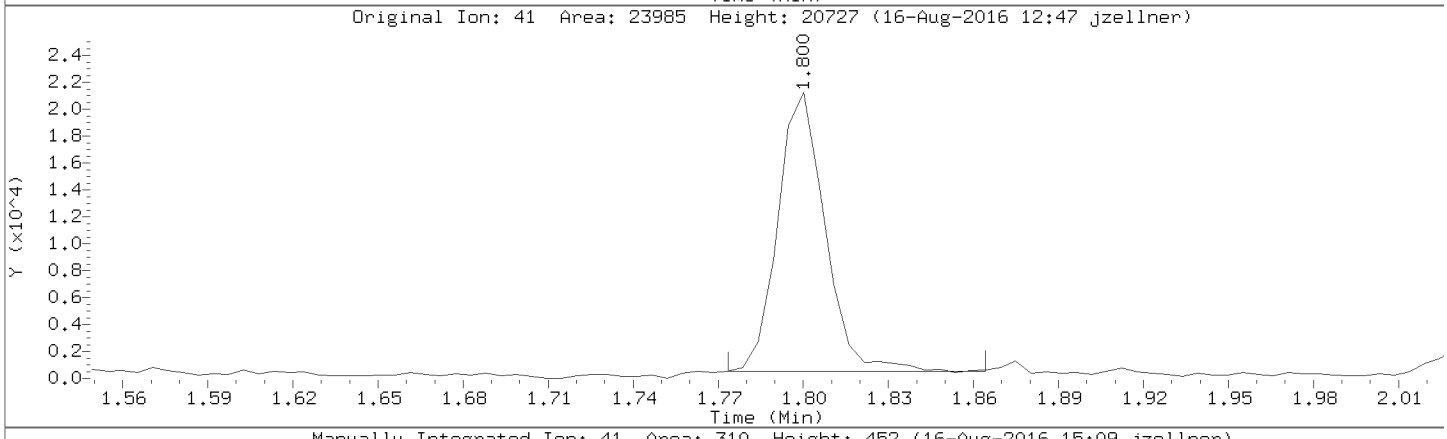


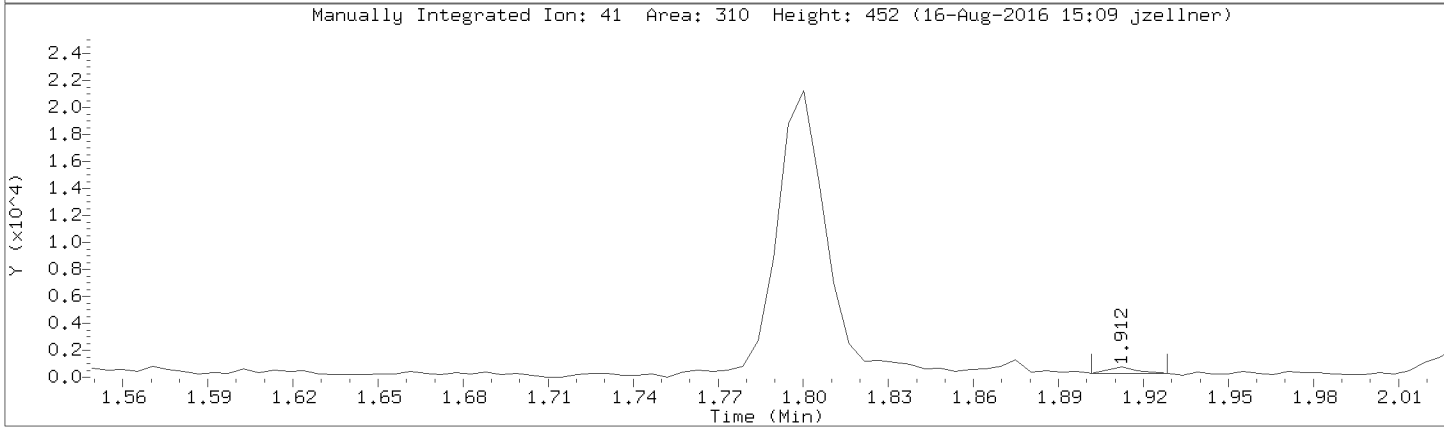
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: tert-Butyl Alcohol Review Code: WP
CAS Number: 75-65-0









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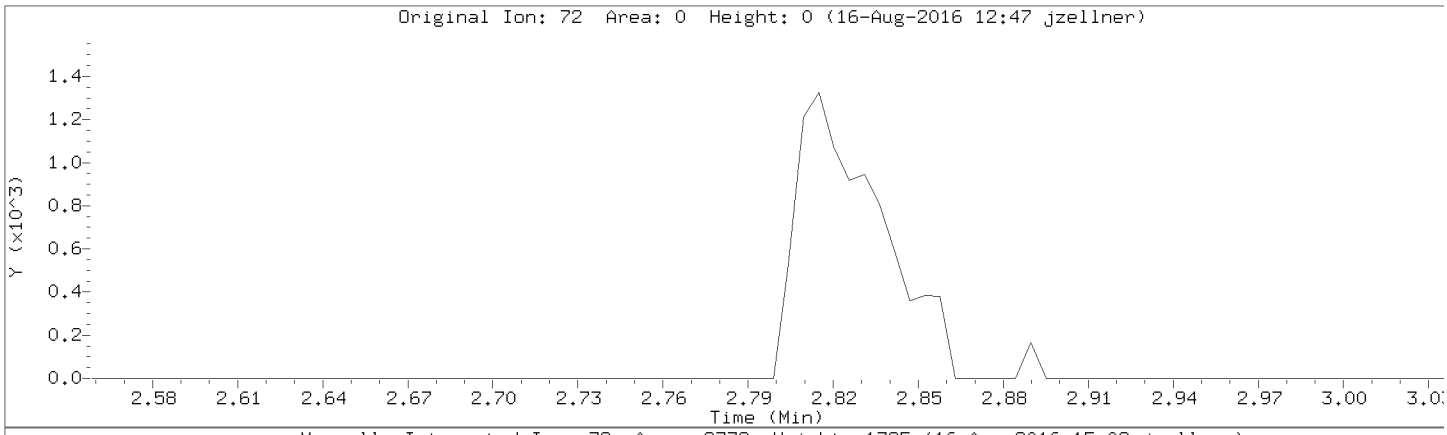
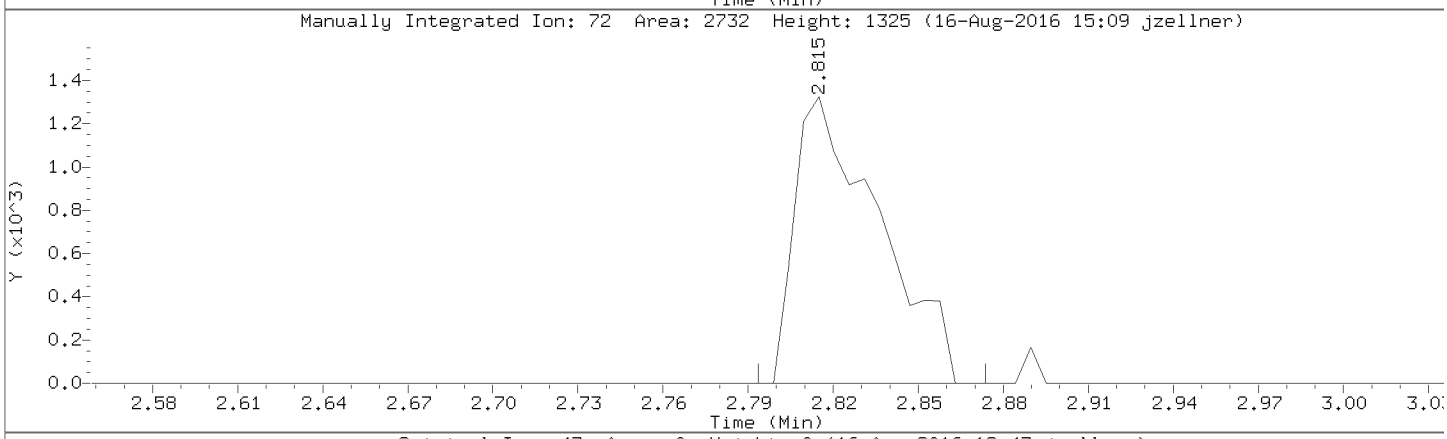
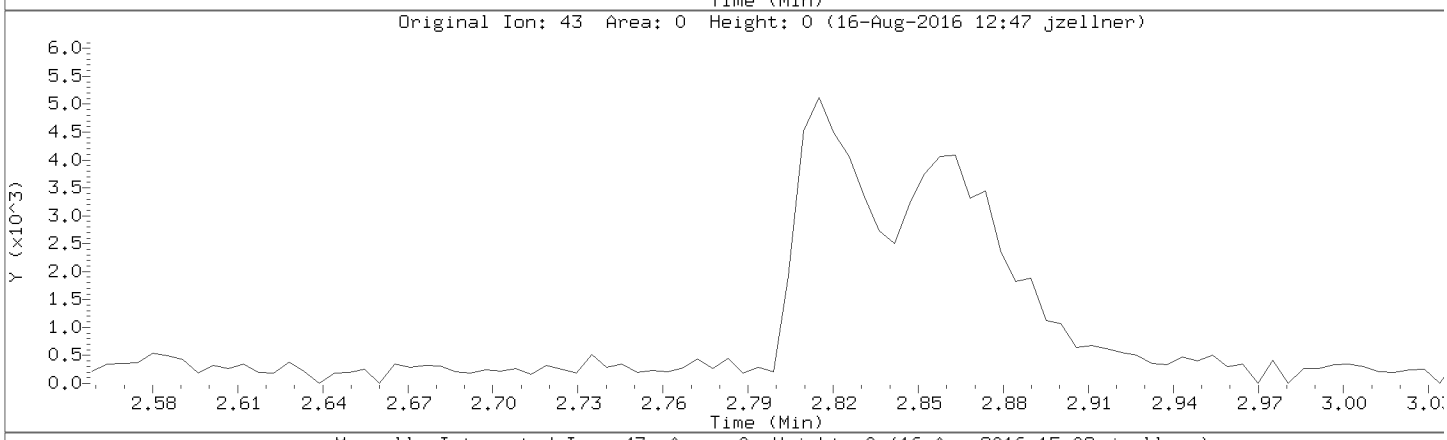
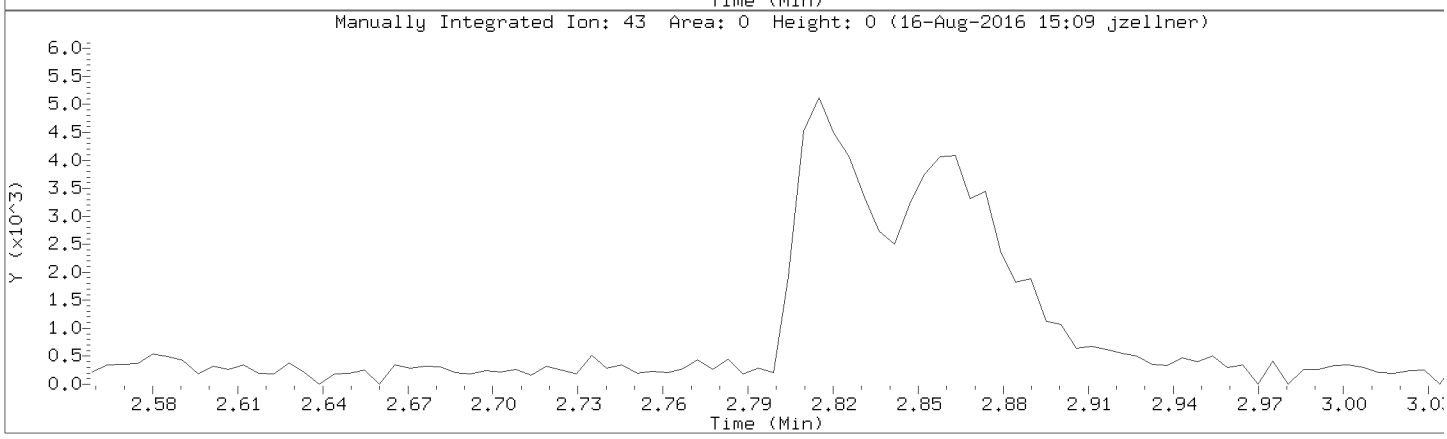
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: 2-Butanone Review Code: NI
CAS Number: 78-93-3









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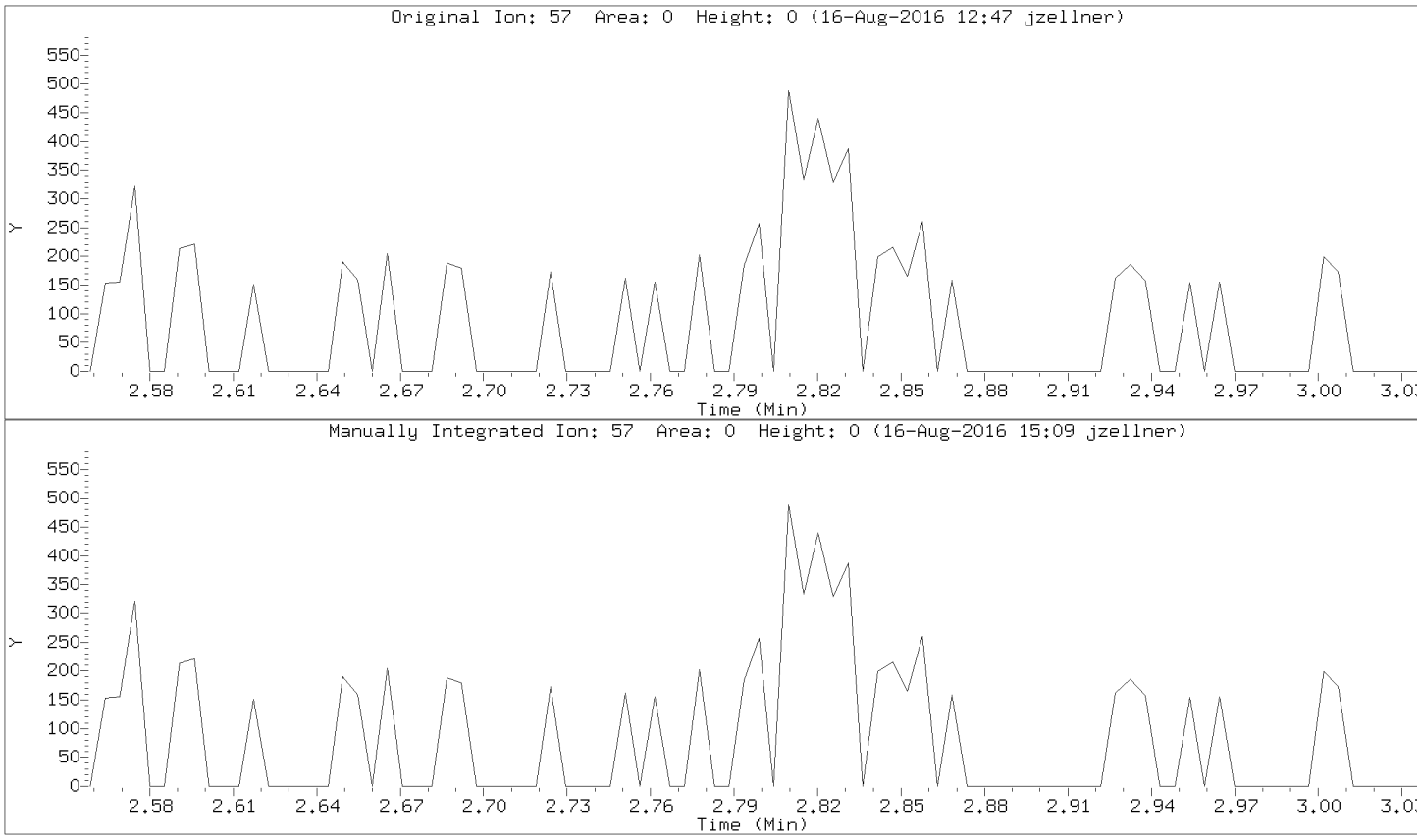
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0



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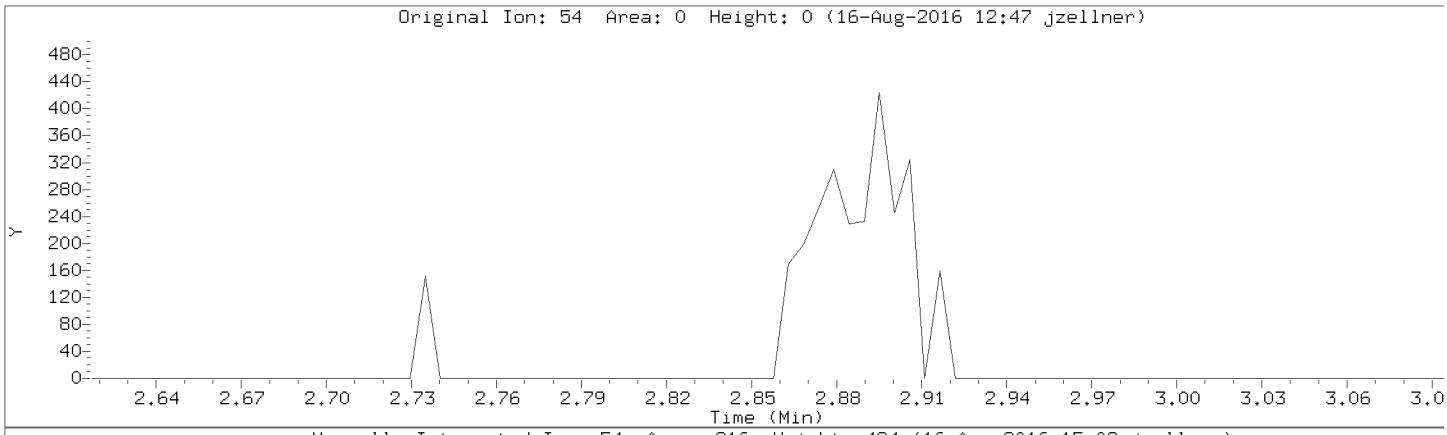
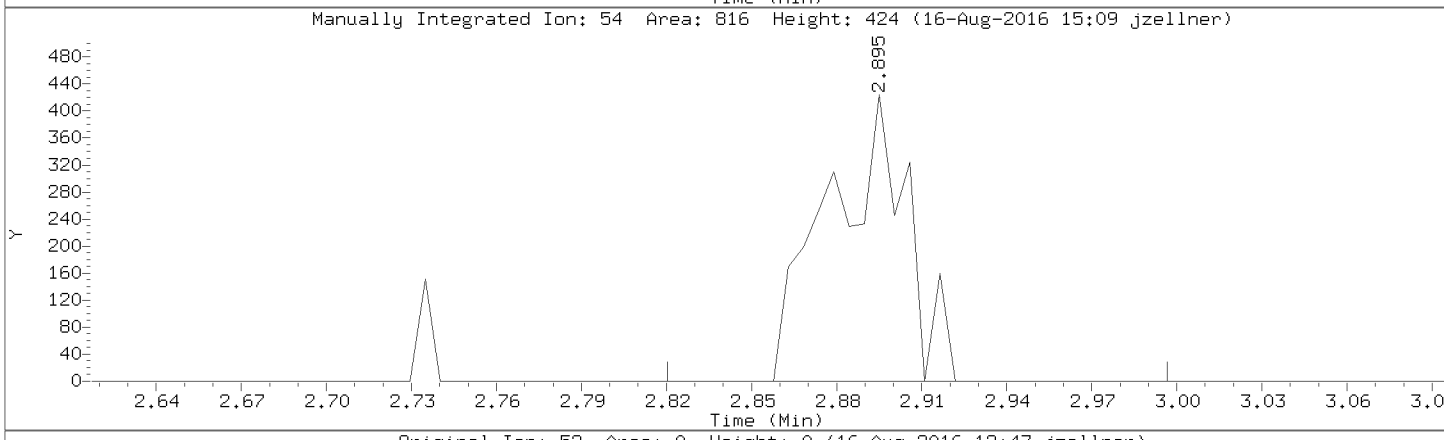
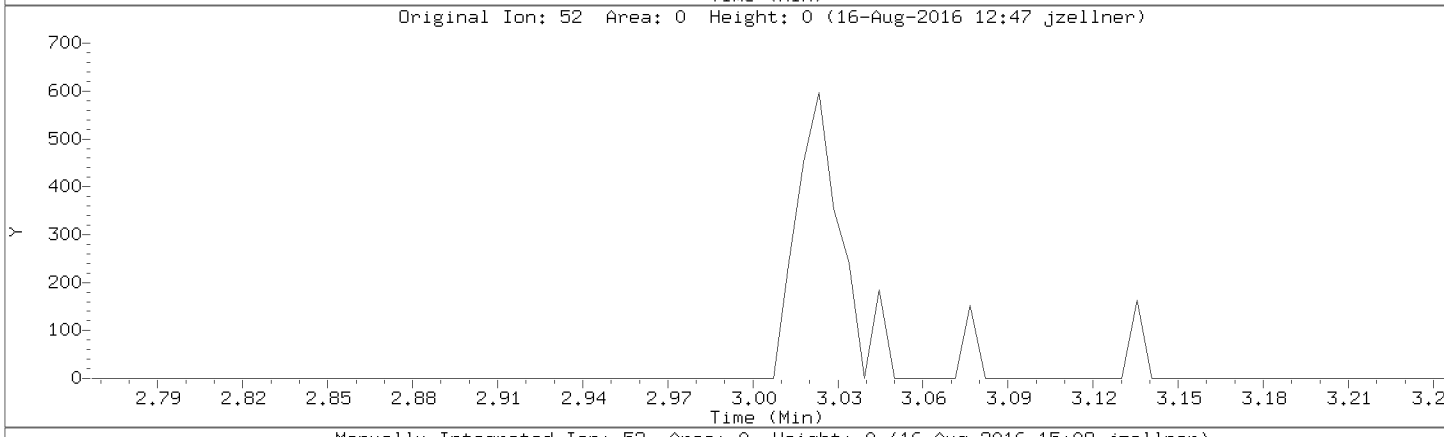
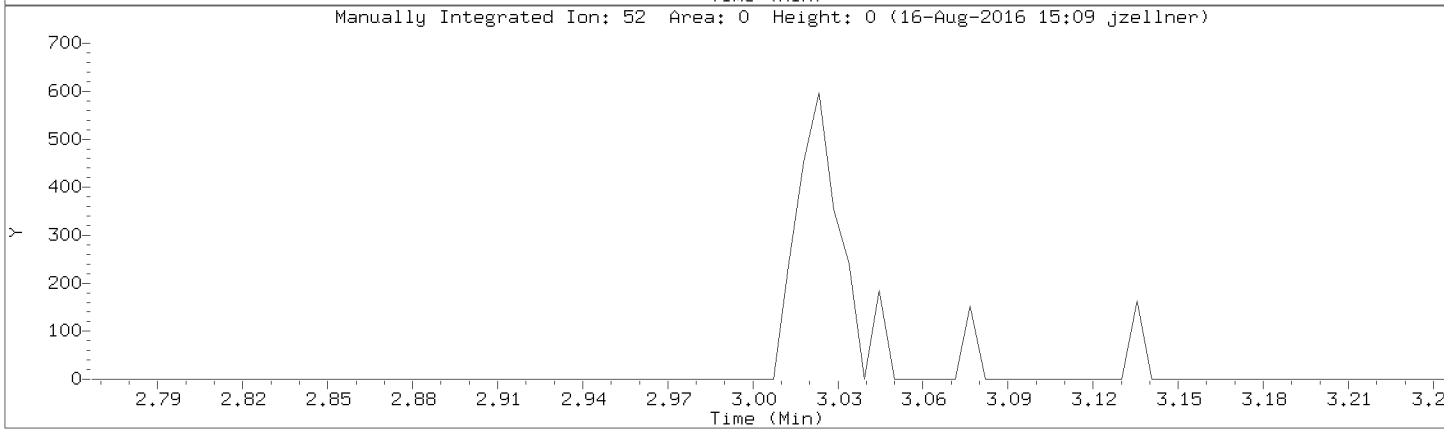
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: Propionitrile Review Code: NI
CAS Number: 107-12-0

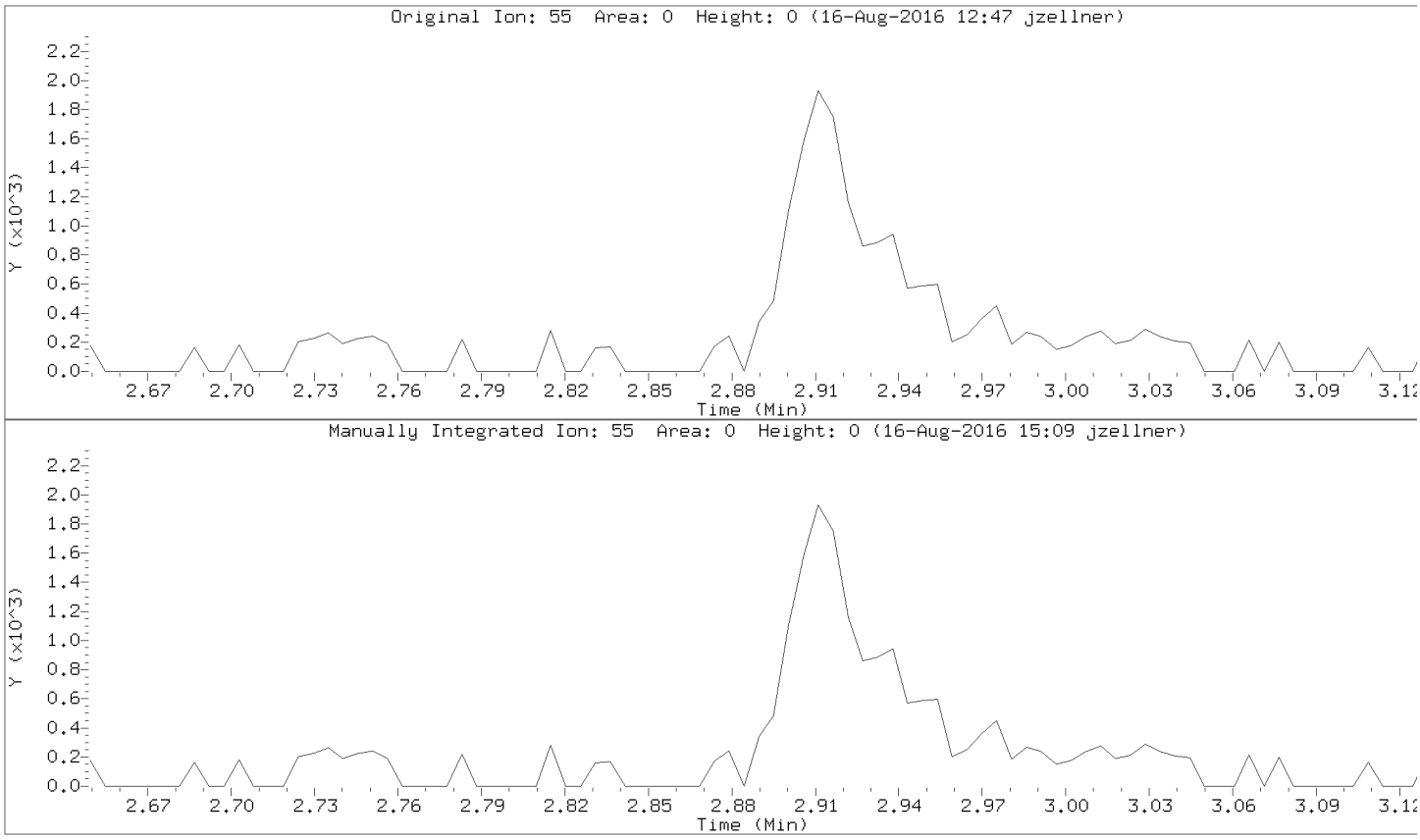








Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0



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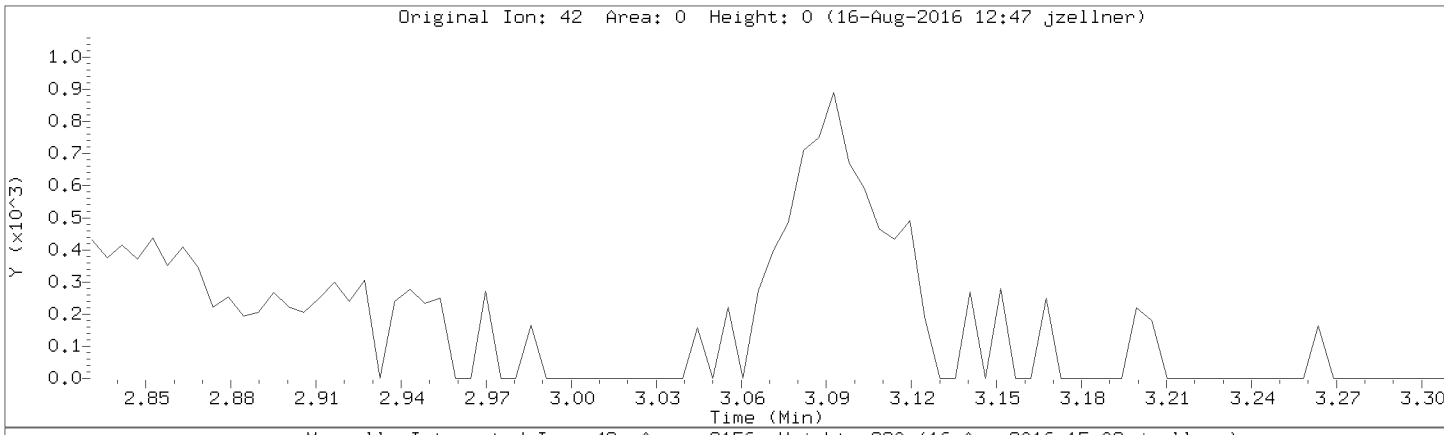
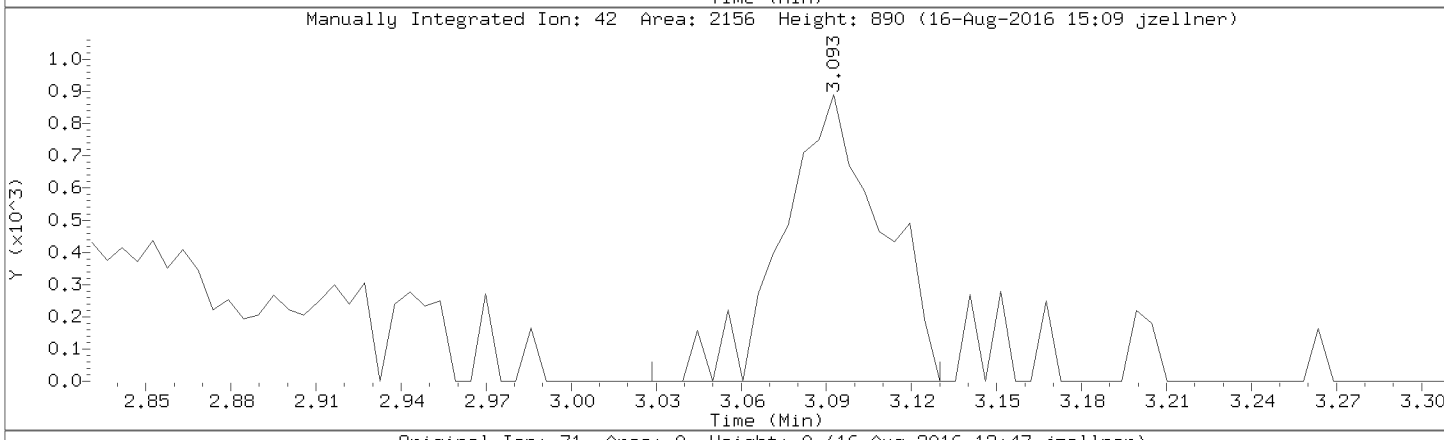
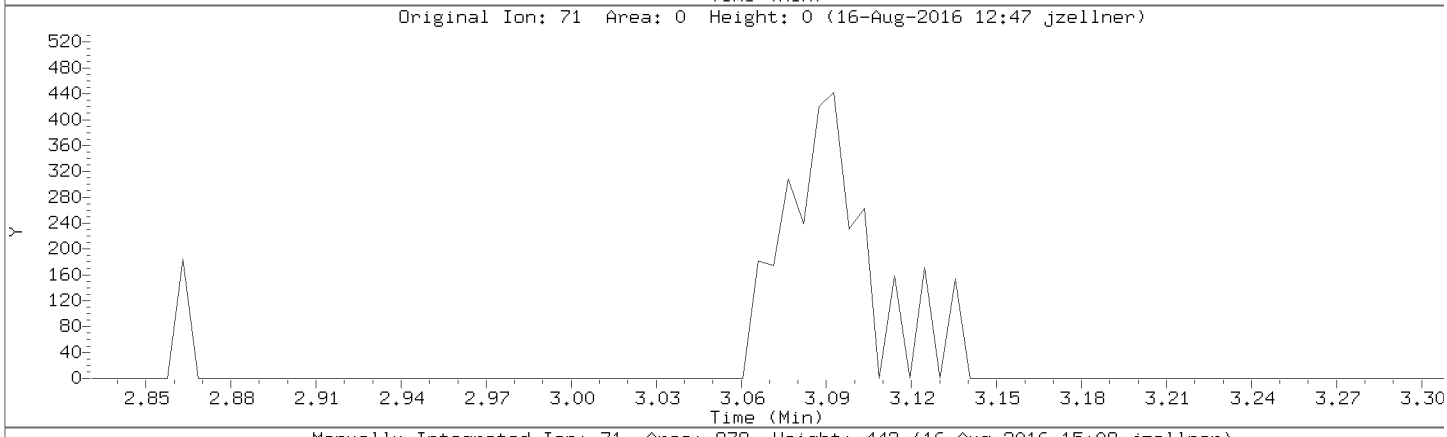
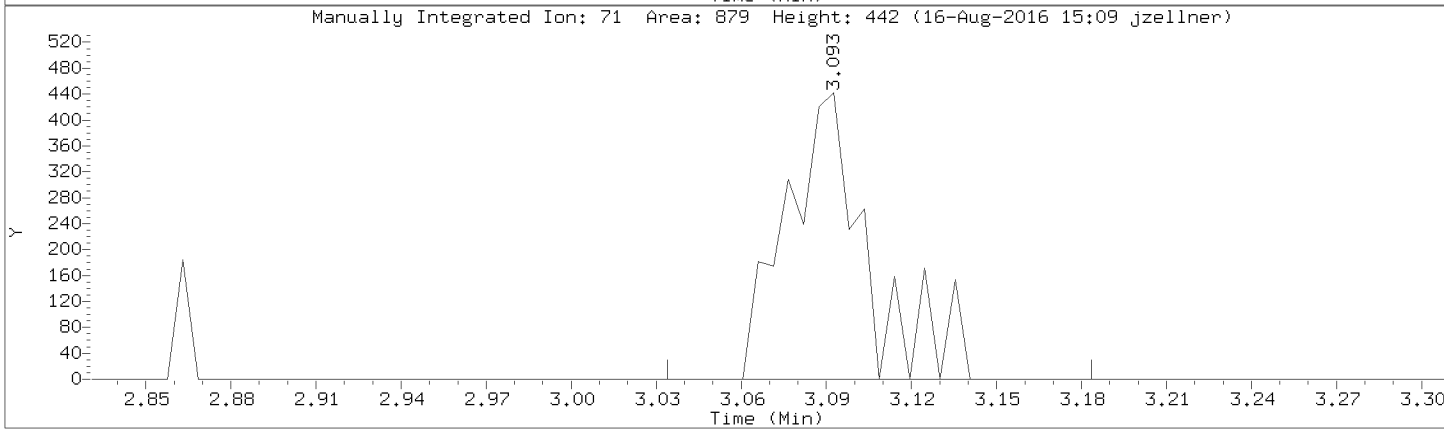
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: Tetrahydrofuran Review Code: NI
CAS Number:

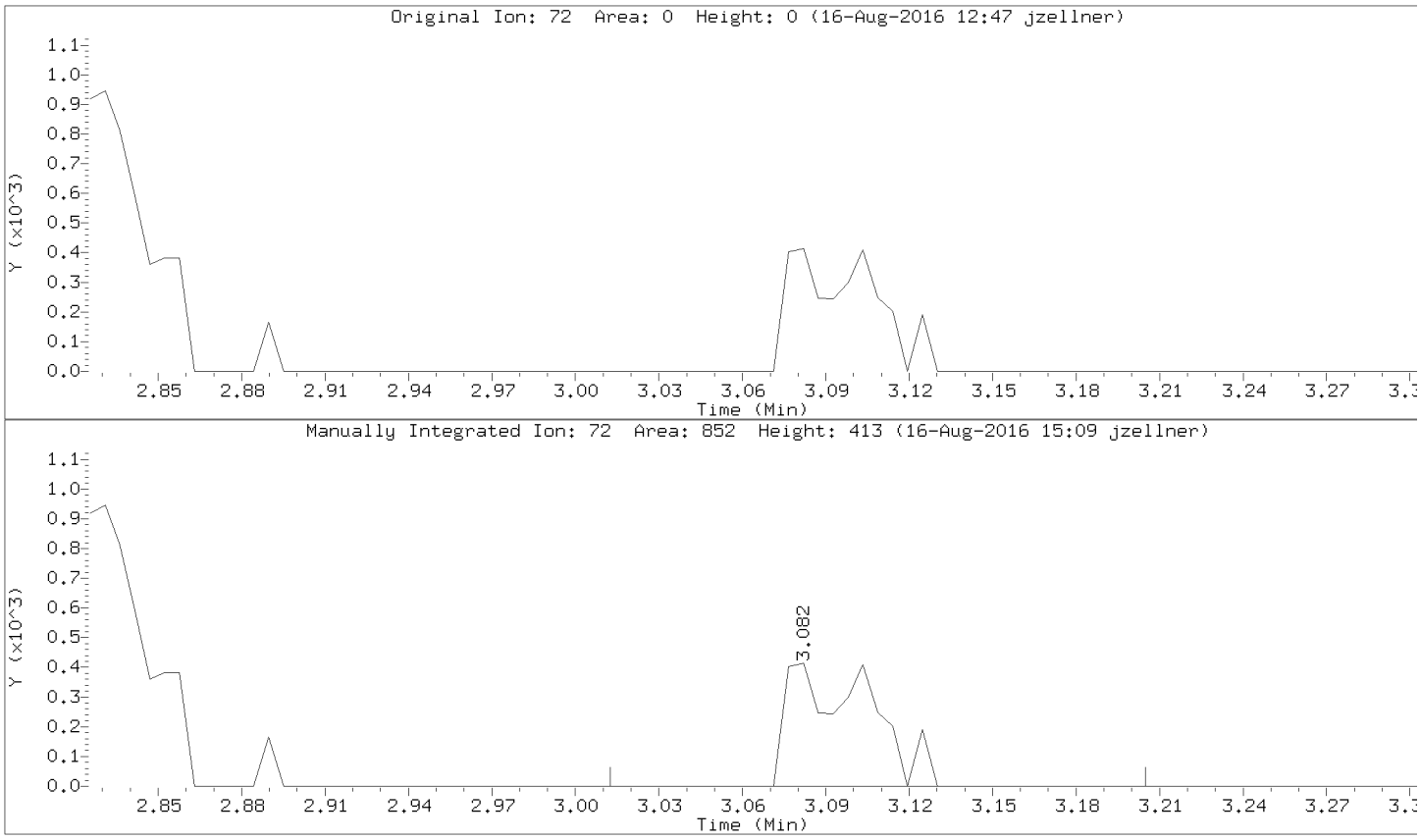






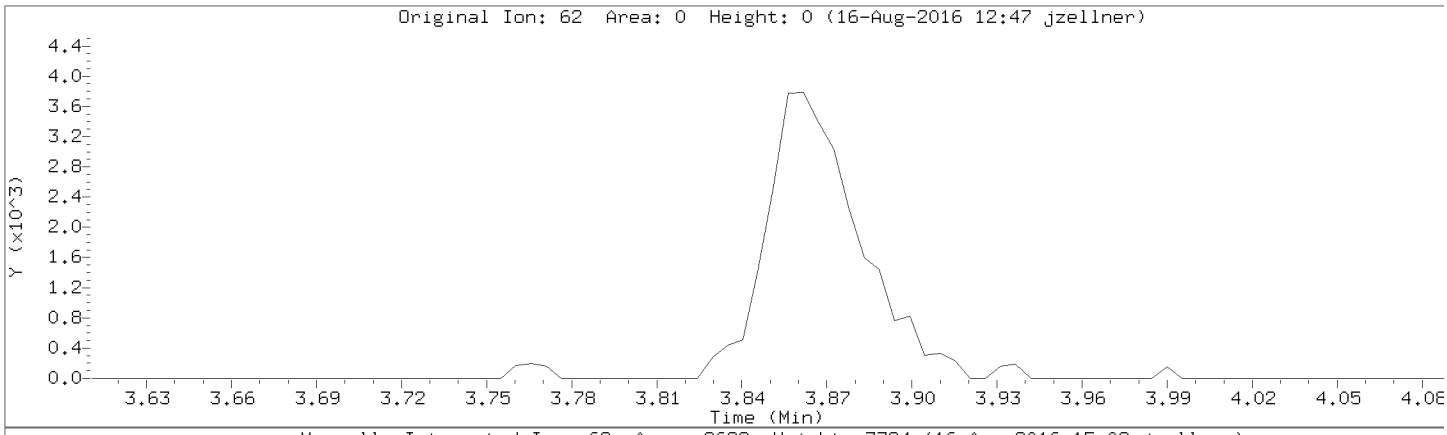


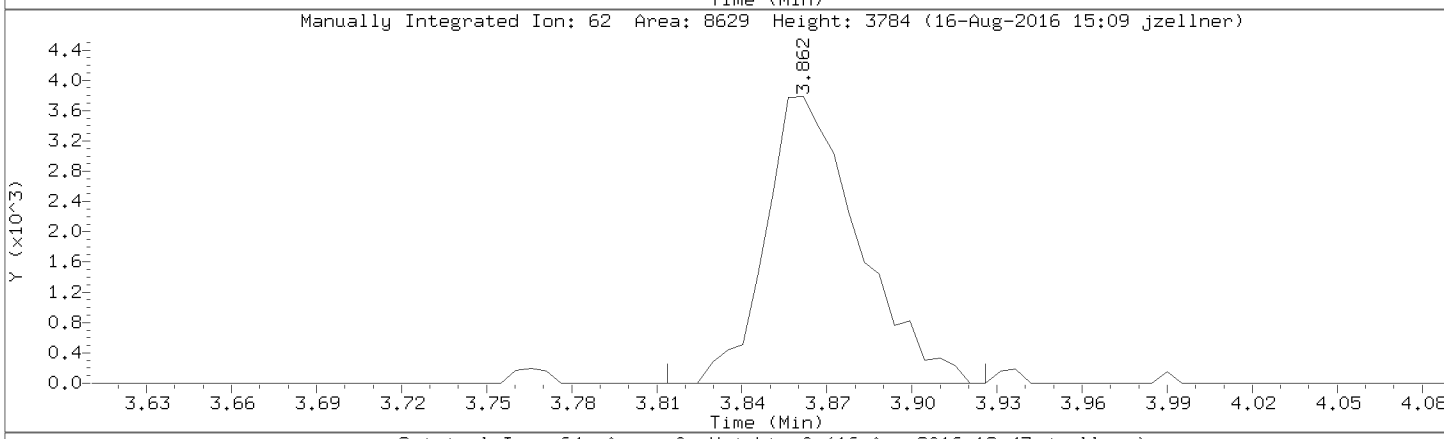
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

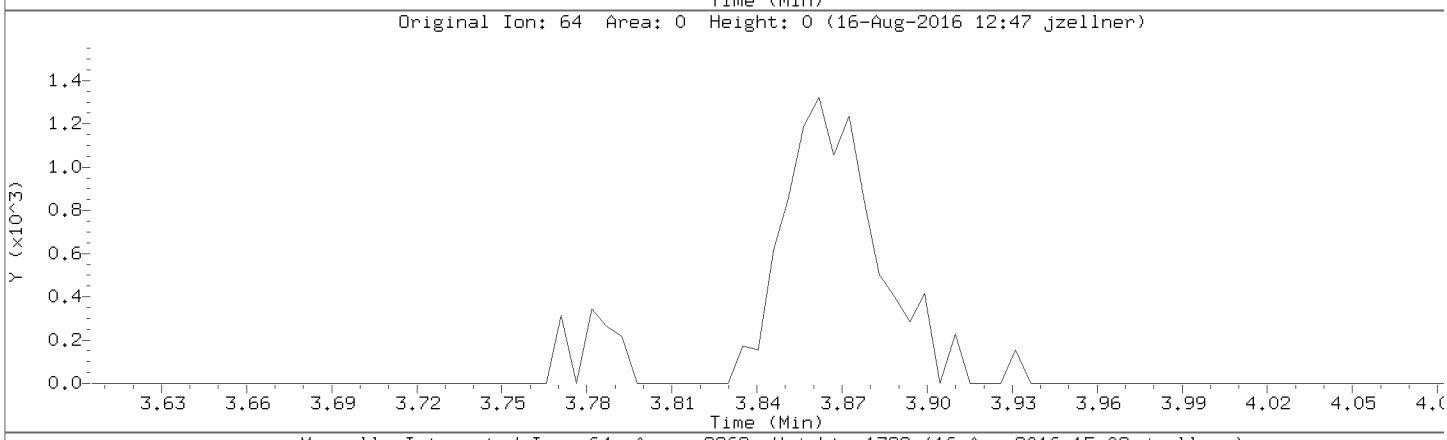


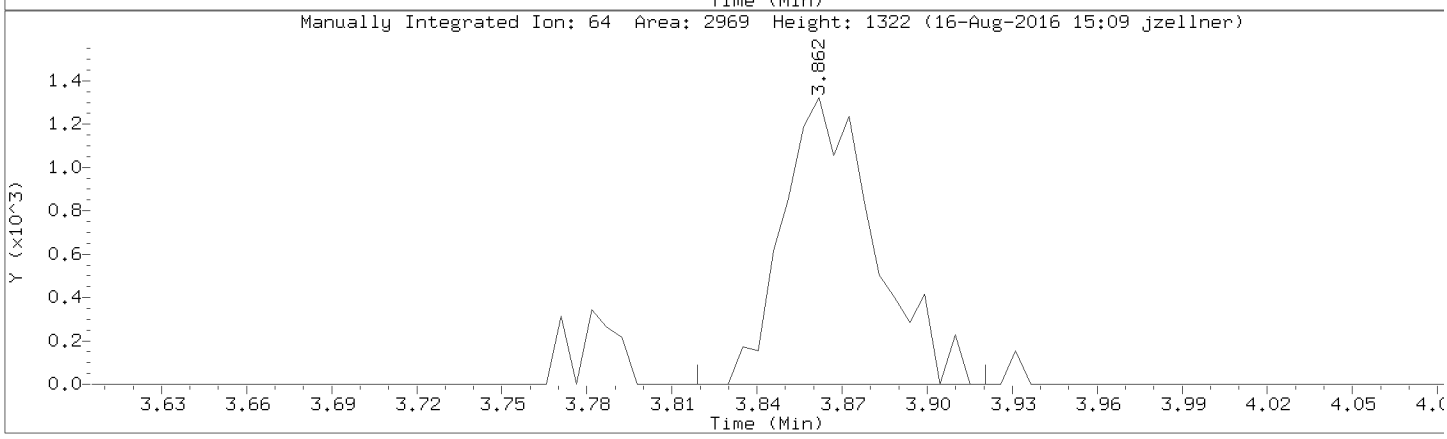
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: 1,2-Dichloroethane Review Code: NI
CAS Number: 107-06-2

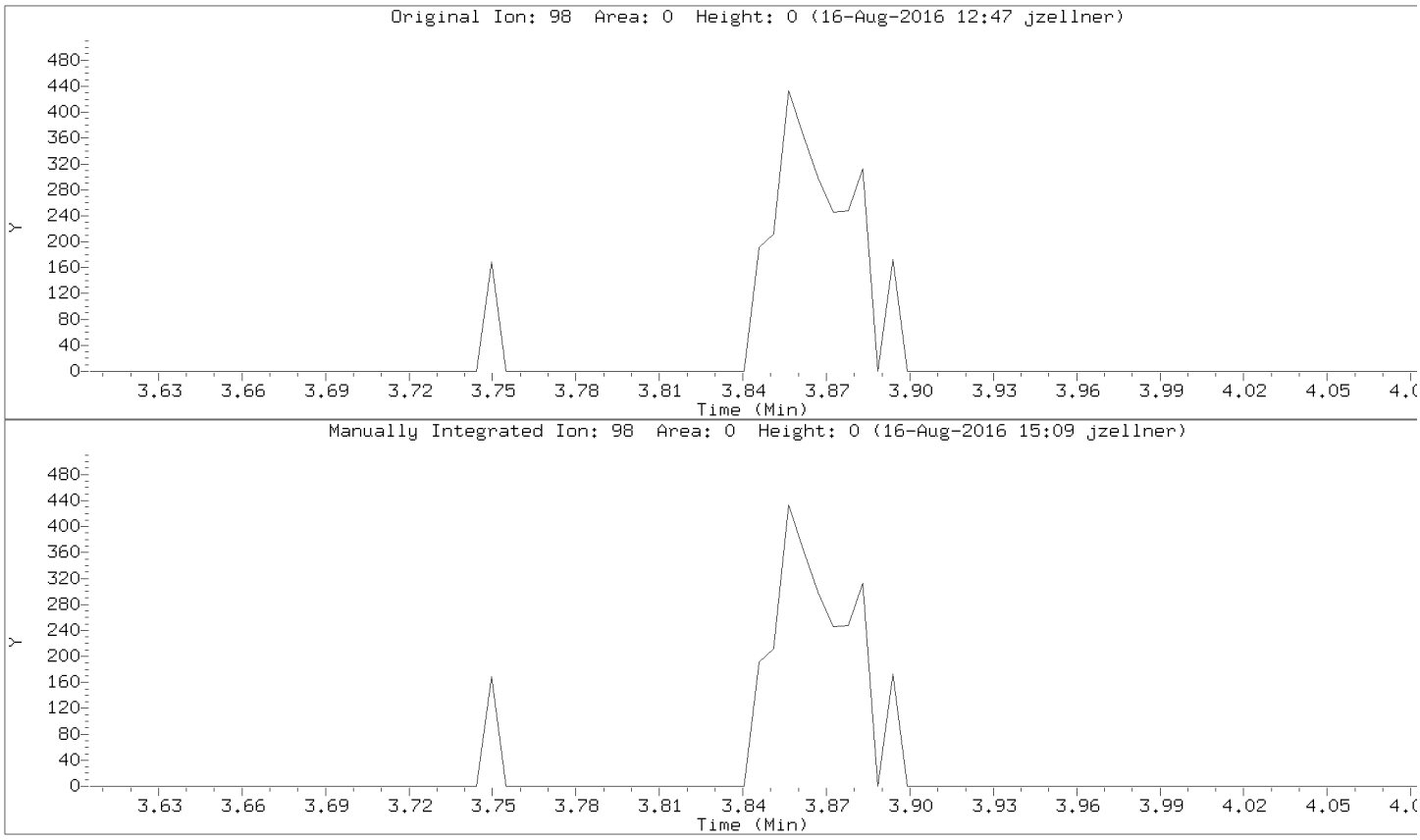






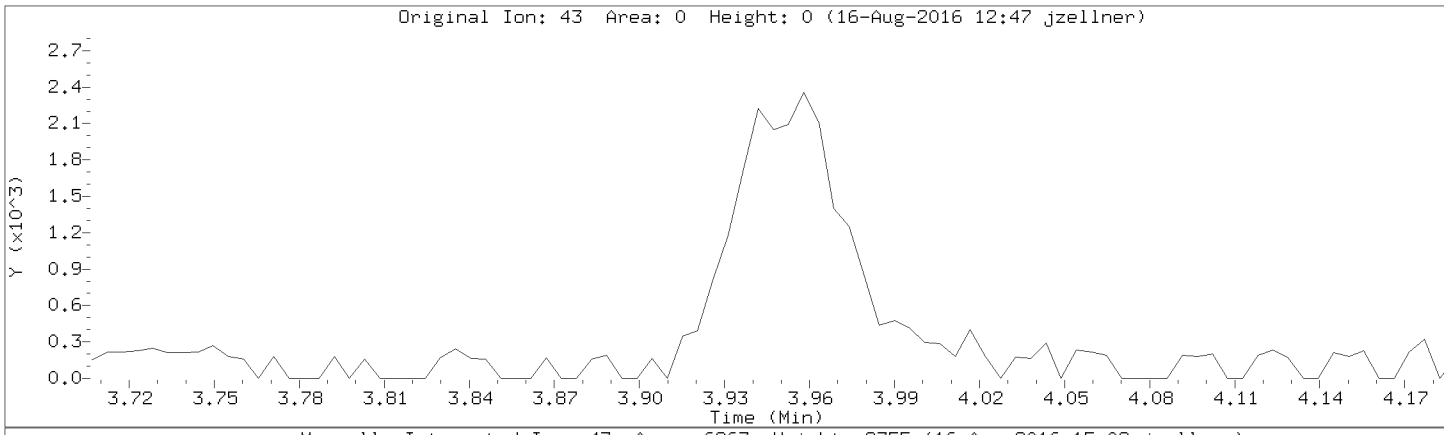


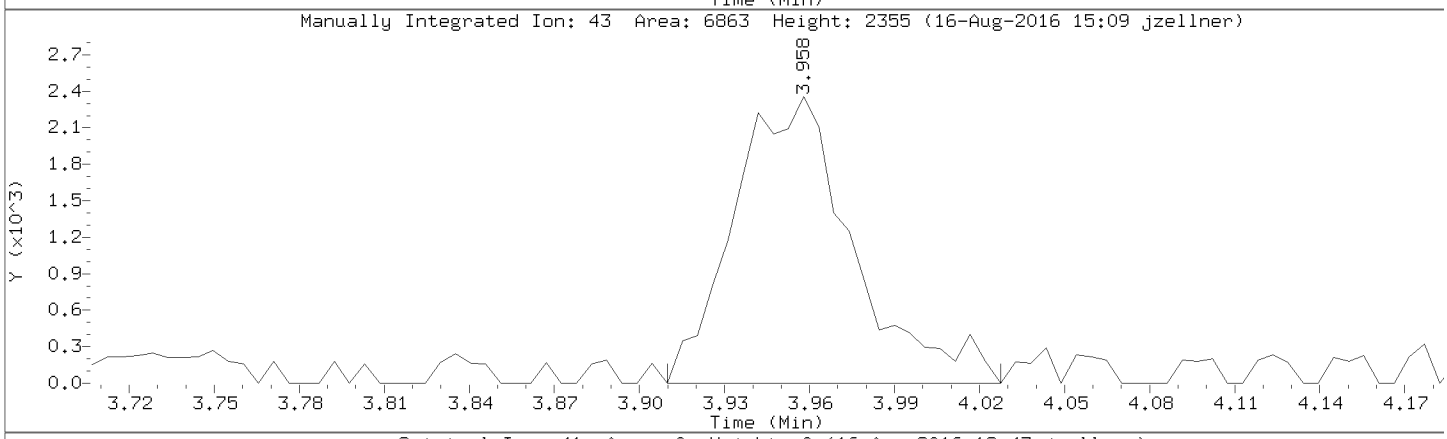
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

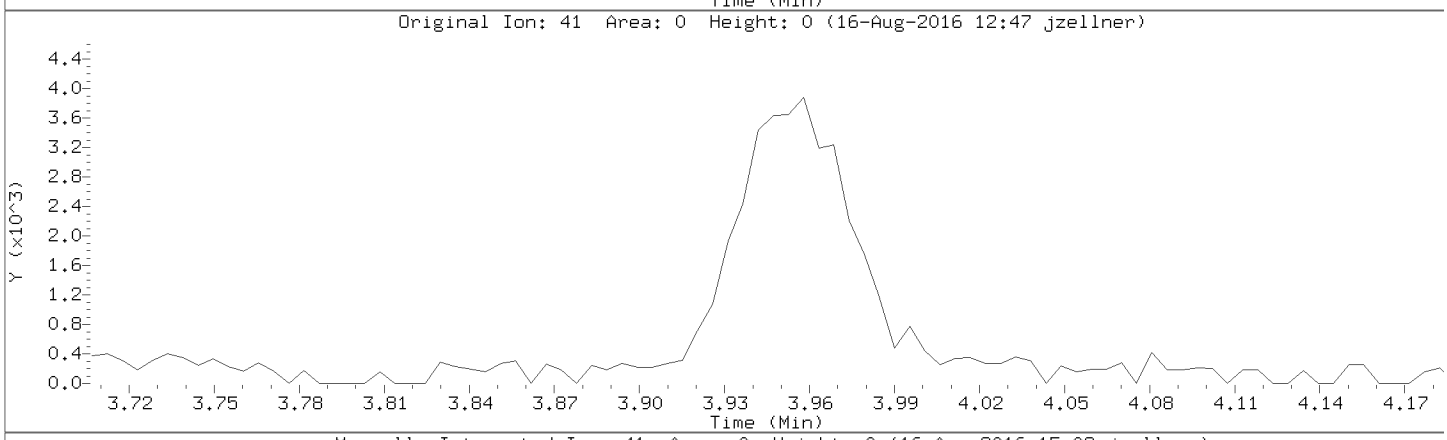


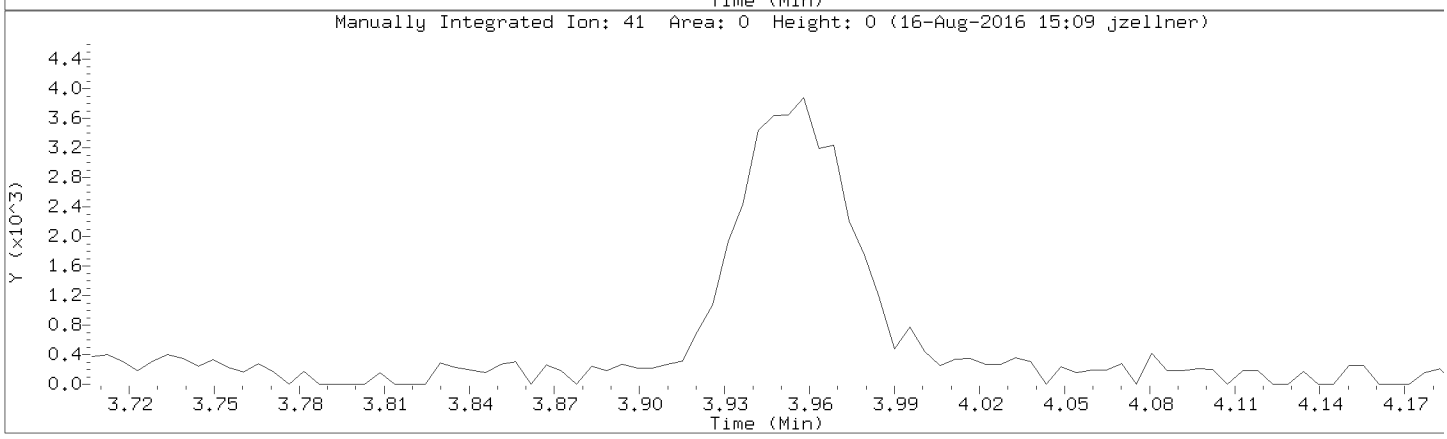
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: Isobutyl alcohol Review Code: NI
CAS Number: 78-83-1









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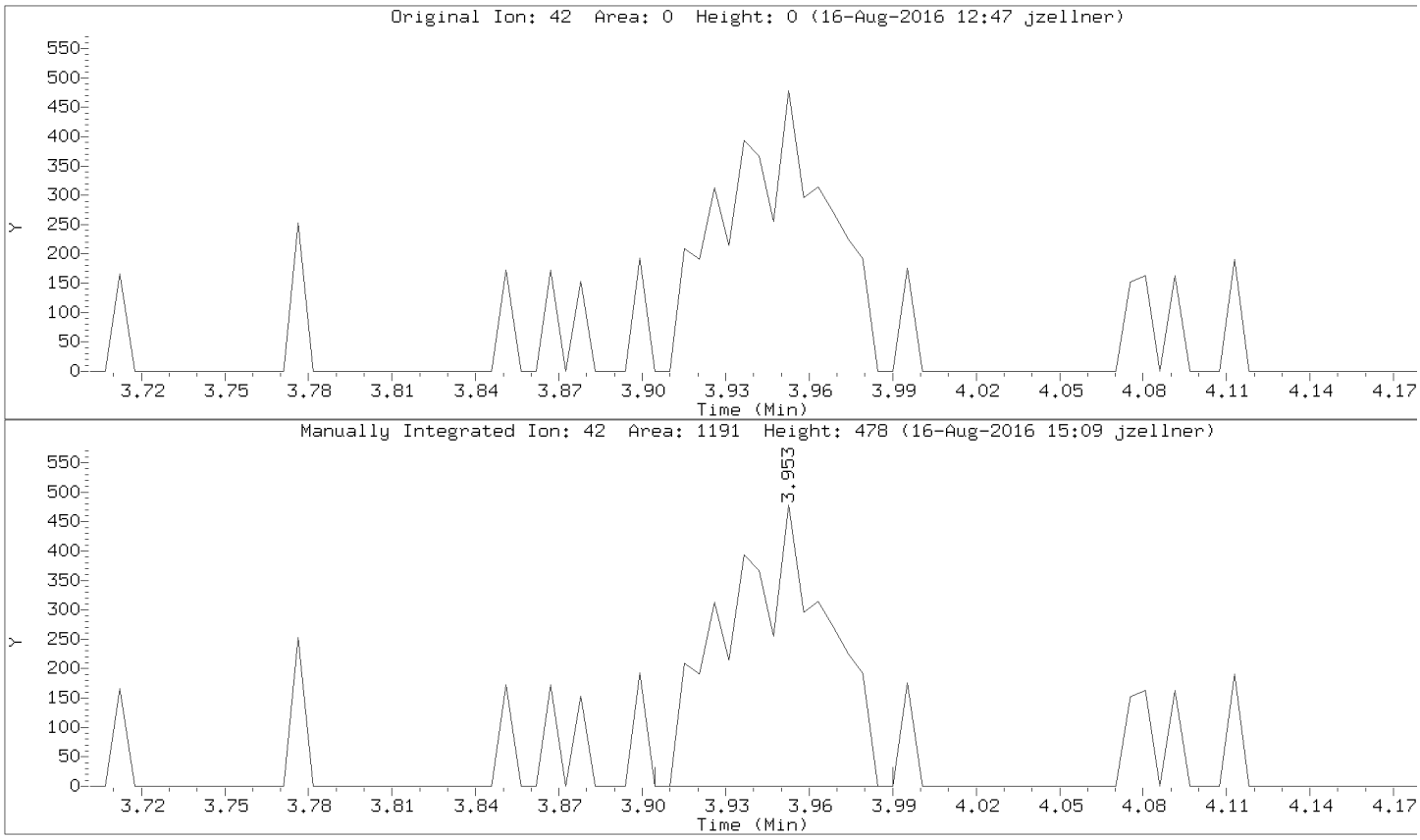
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0



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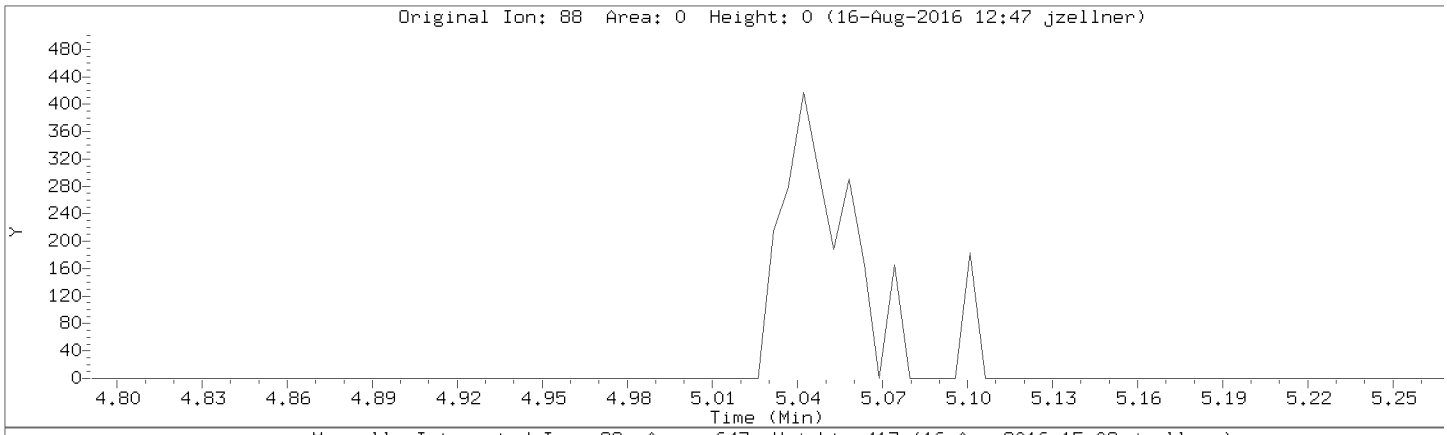
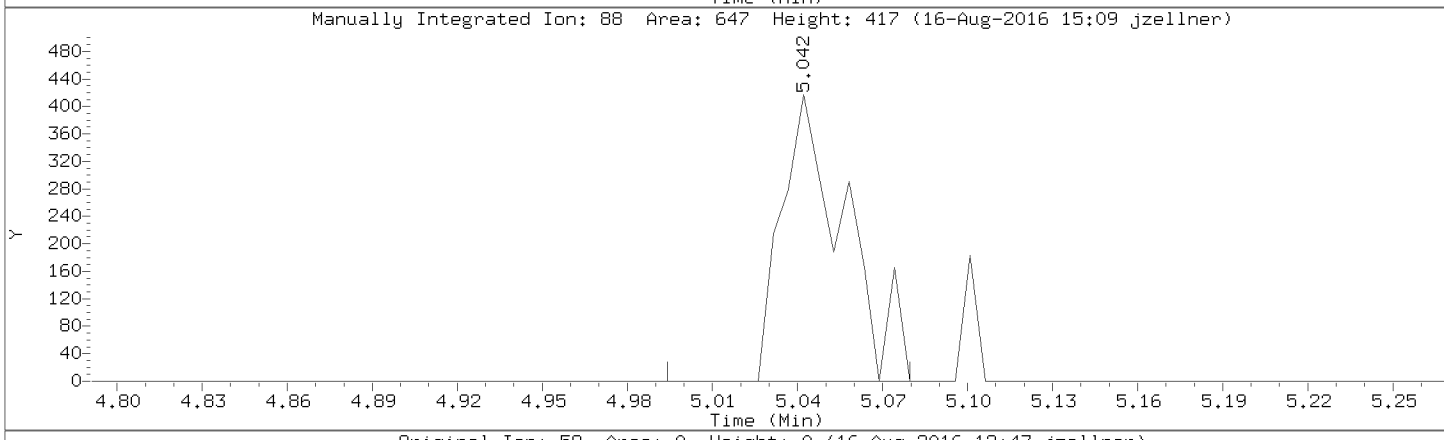
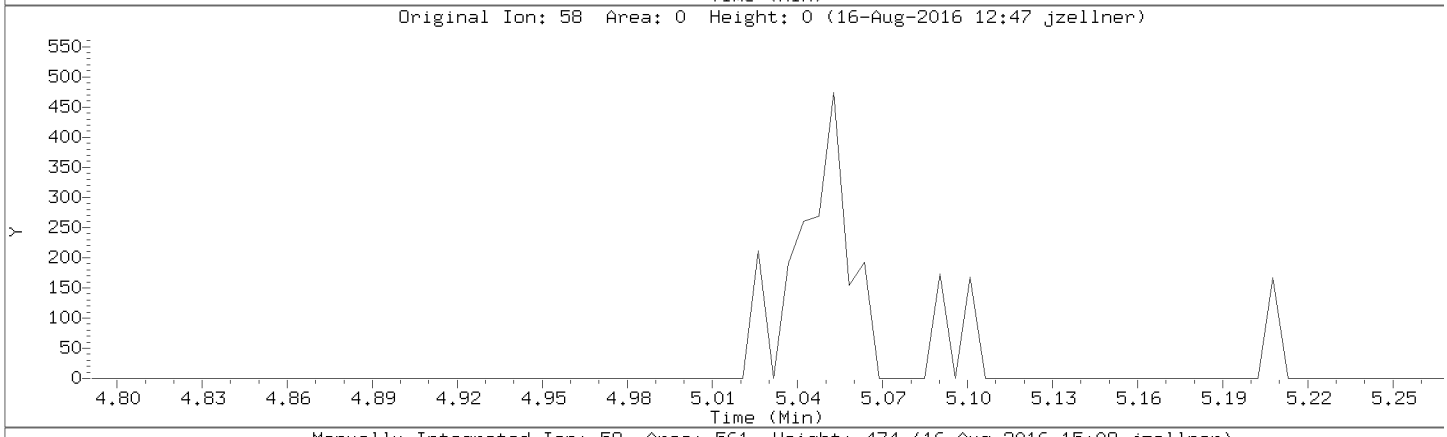
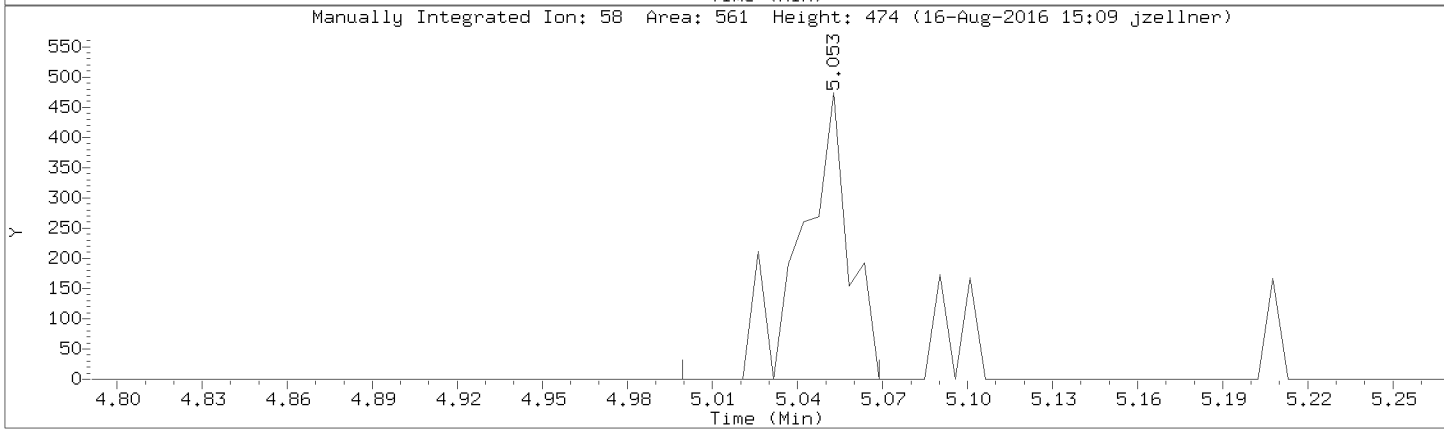
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: 1,4-Dioxane Review Code: NI
CAS Number:



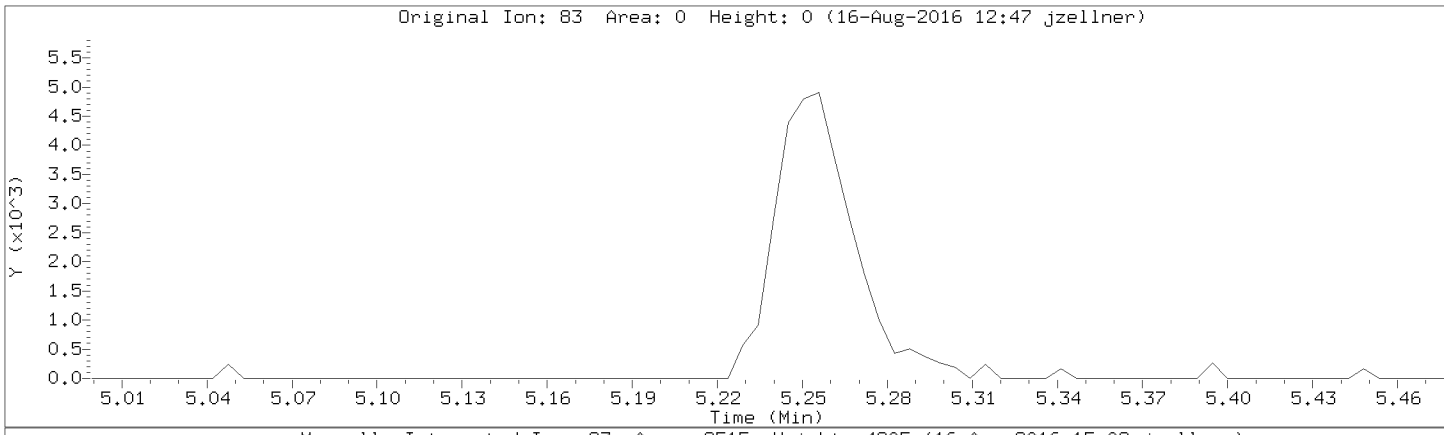


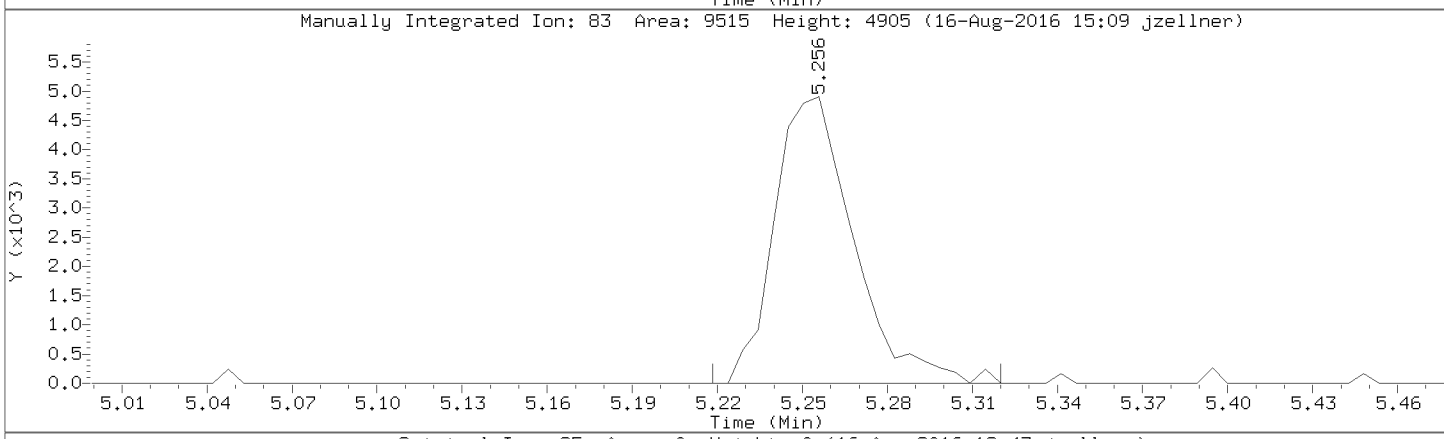


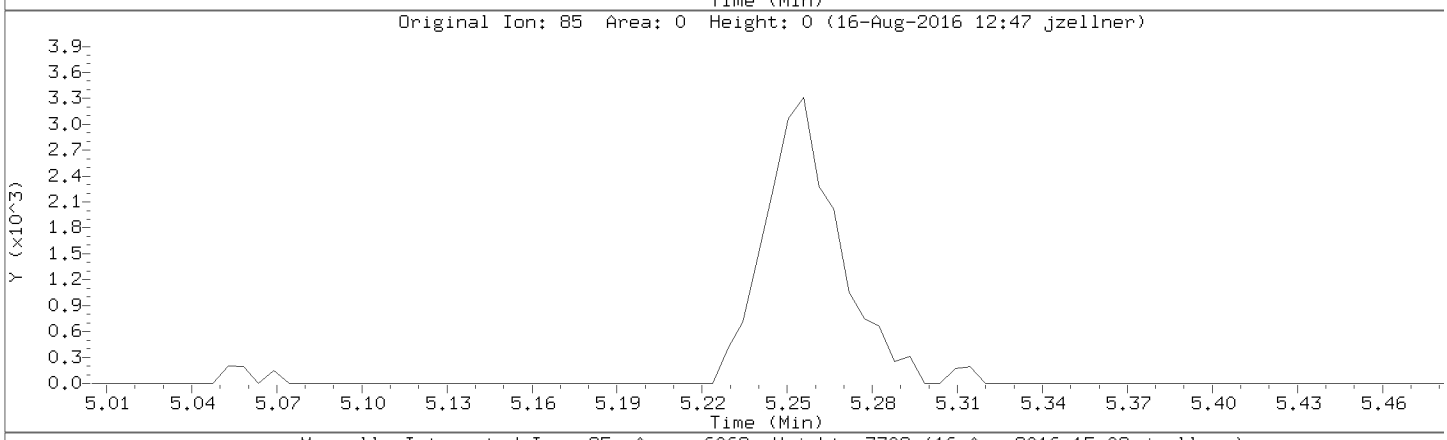


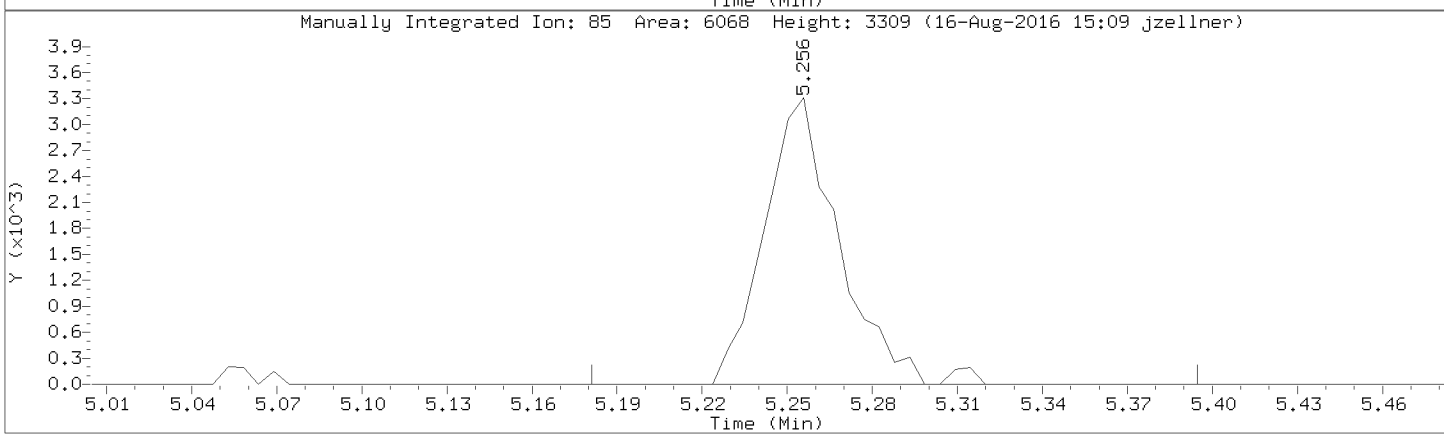
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: Bromodichloromethane Review Code: NI
CAS Number: 75-27-4

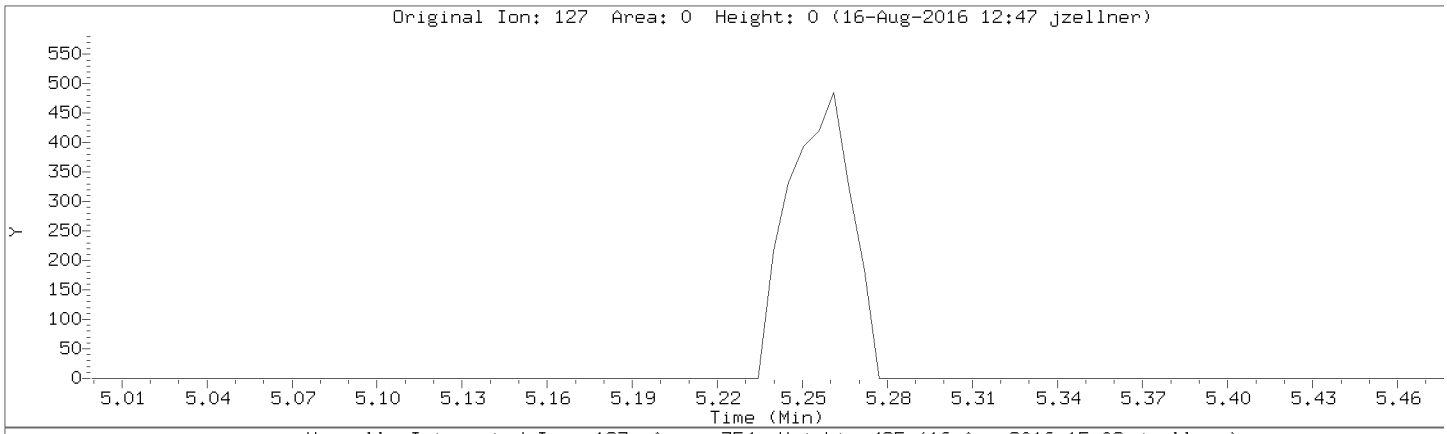


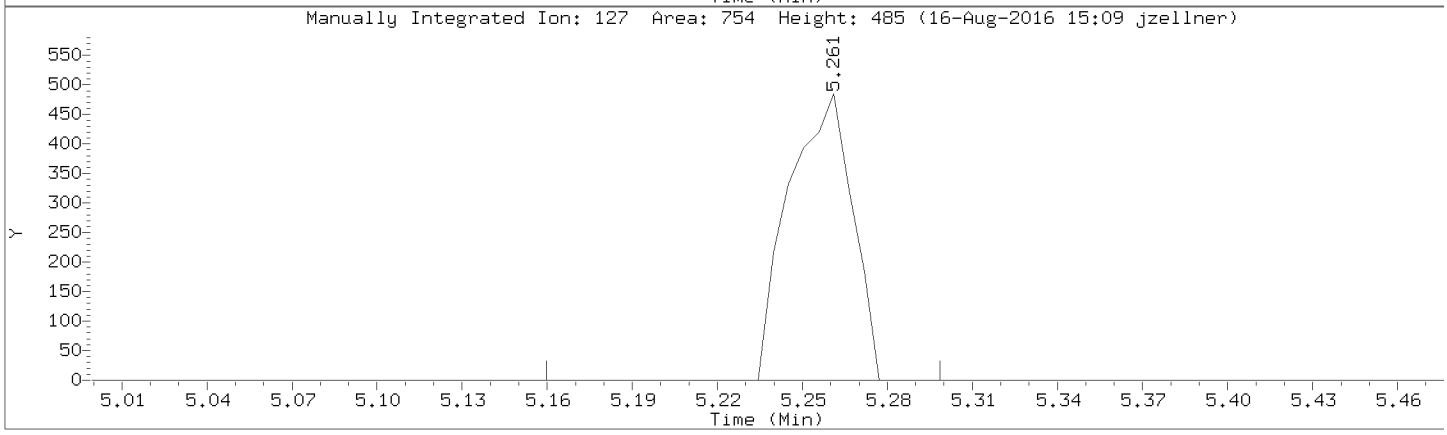






Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b03cal.d
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0





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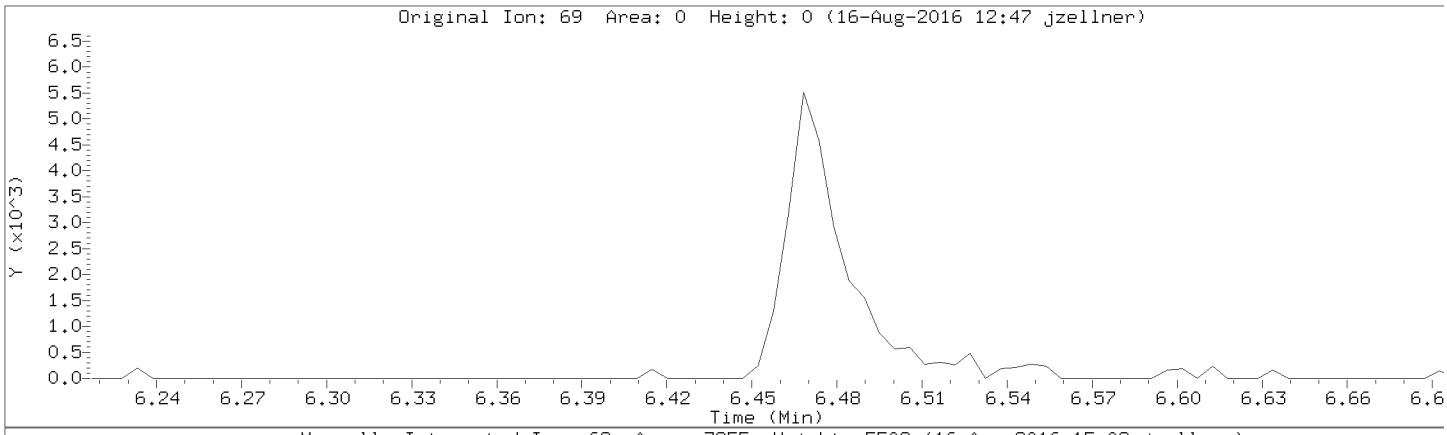
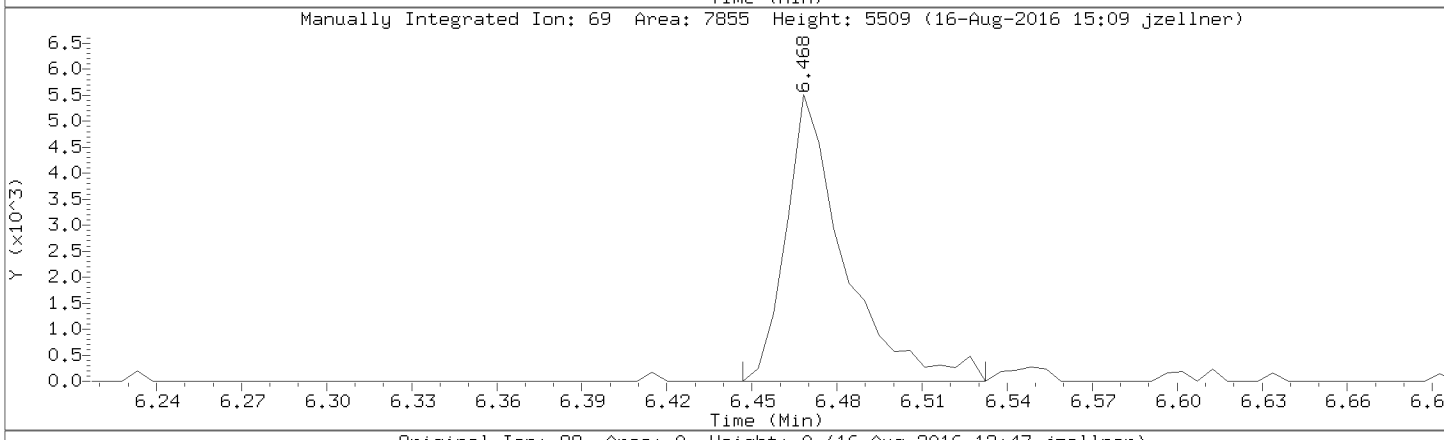
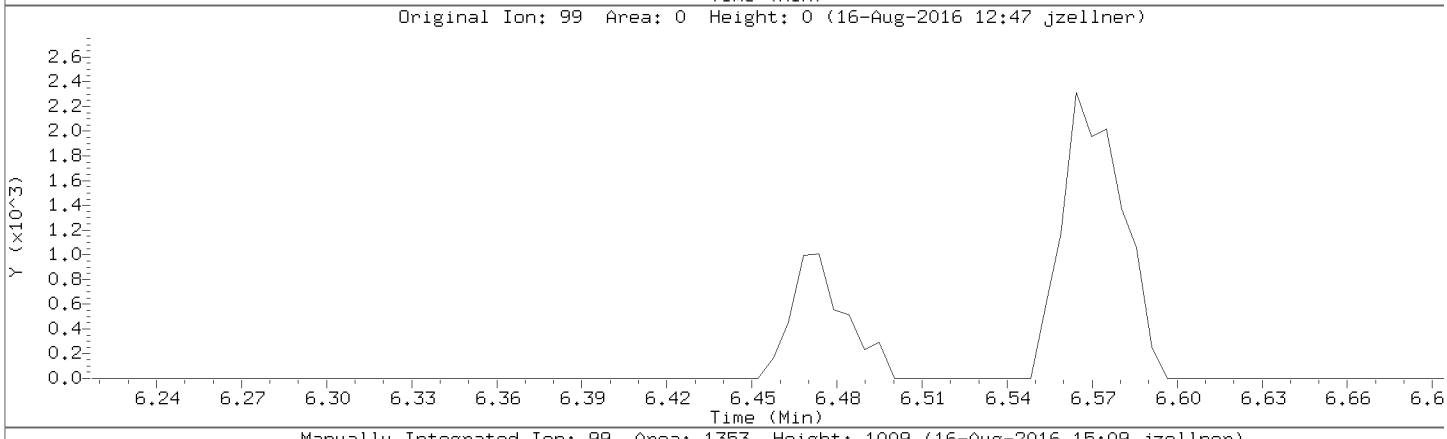
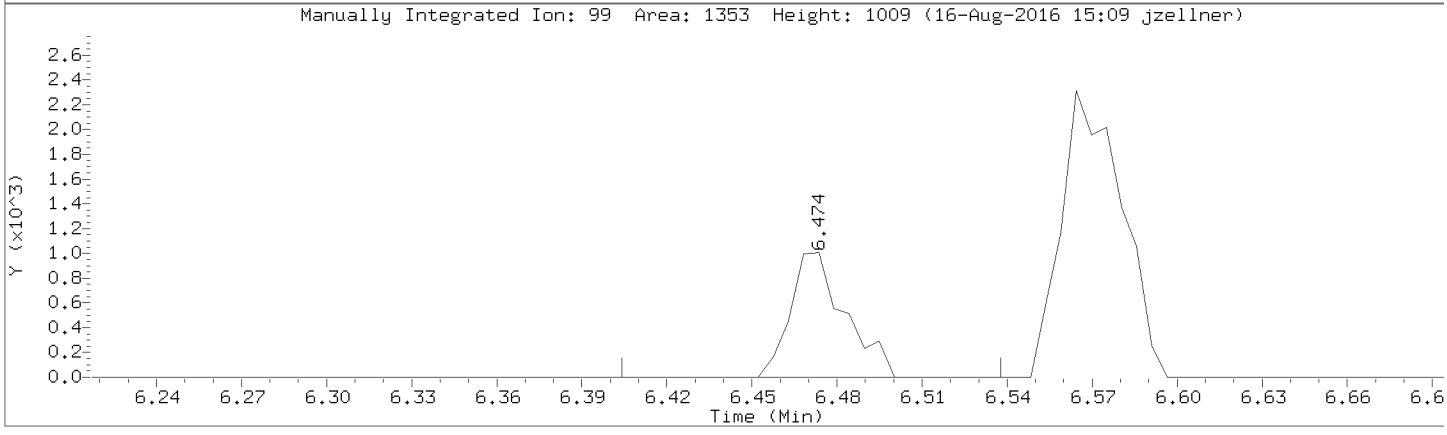
Injection Date: 16-AUG-2016 11:40
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL3,128589:0

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:









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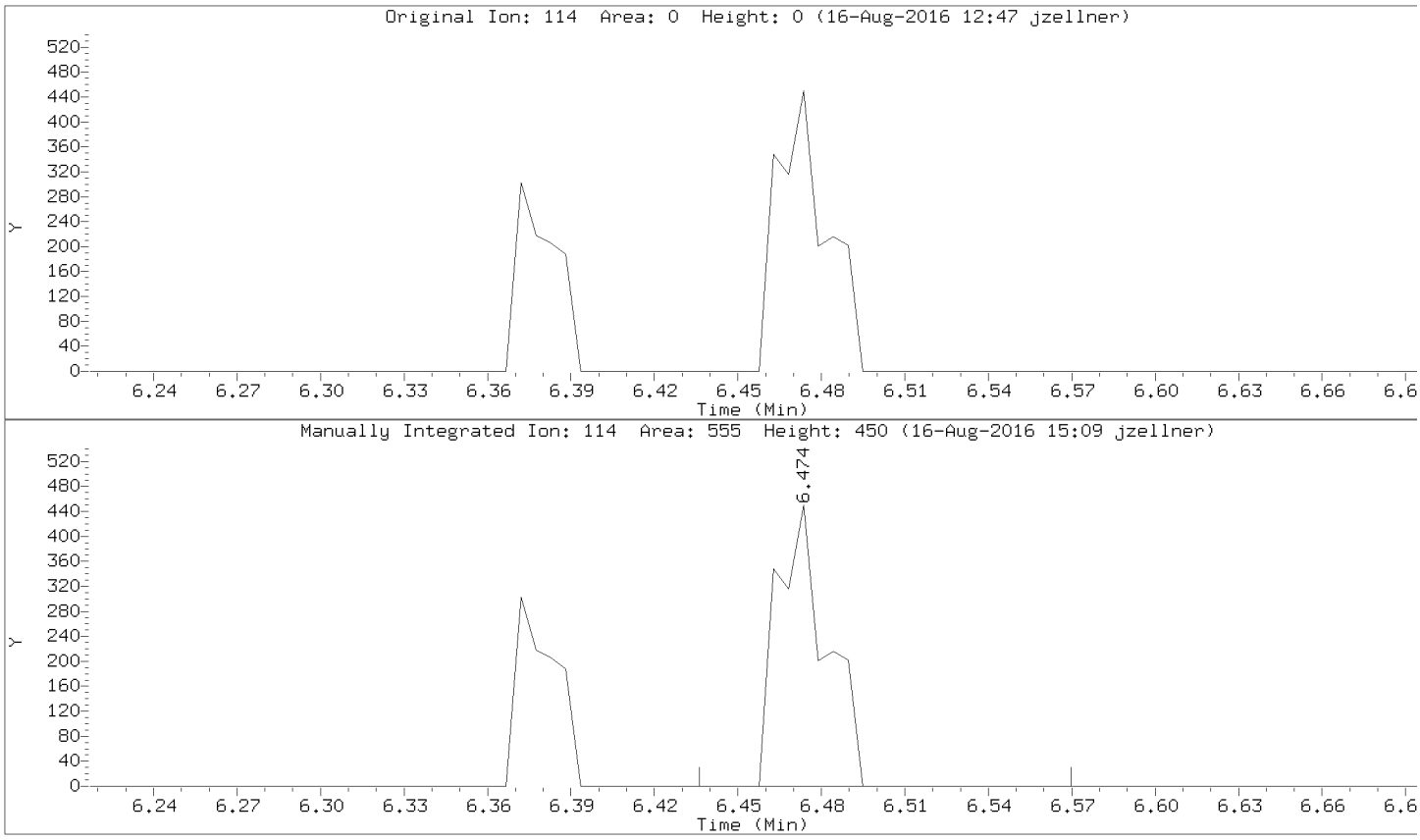
Lab Sample ID: 8260-CAL3,128589:0



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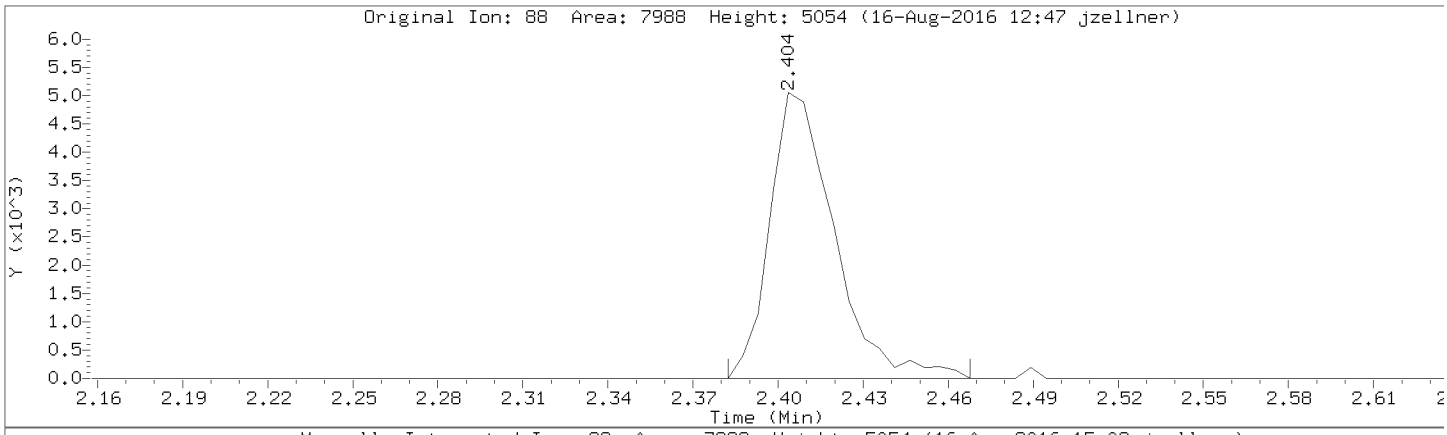
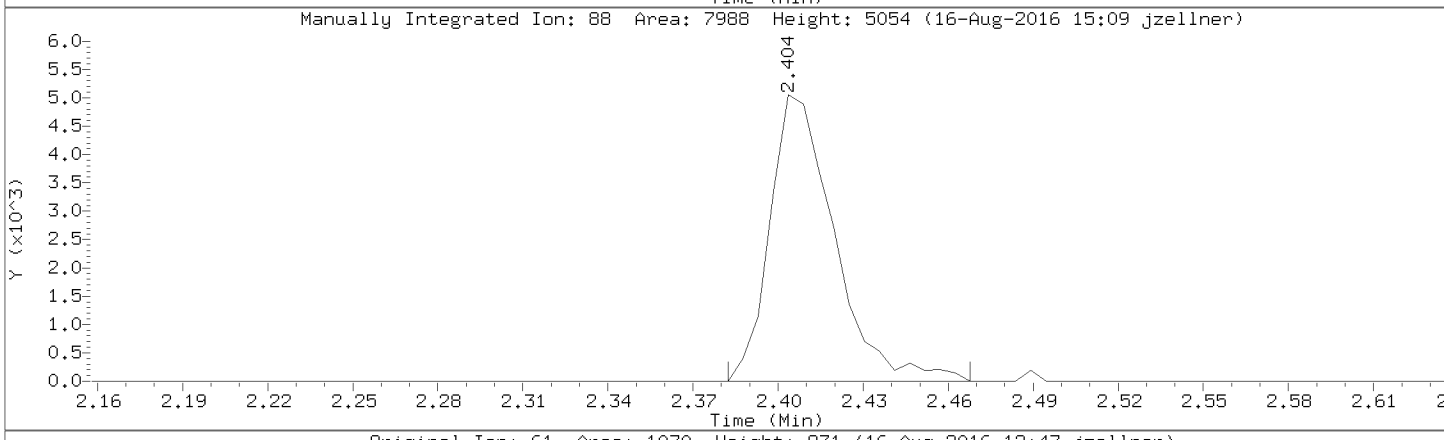
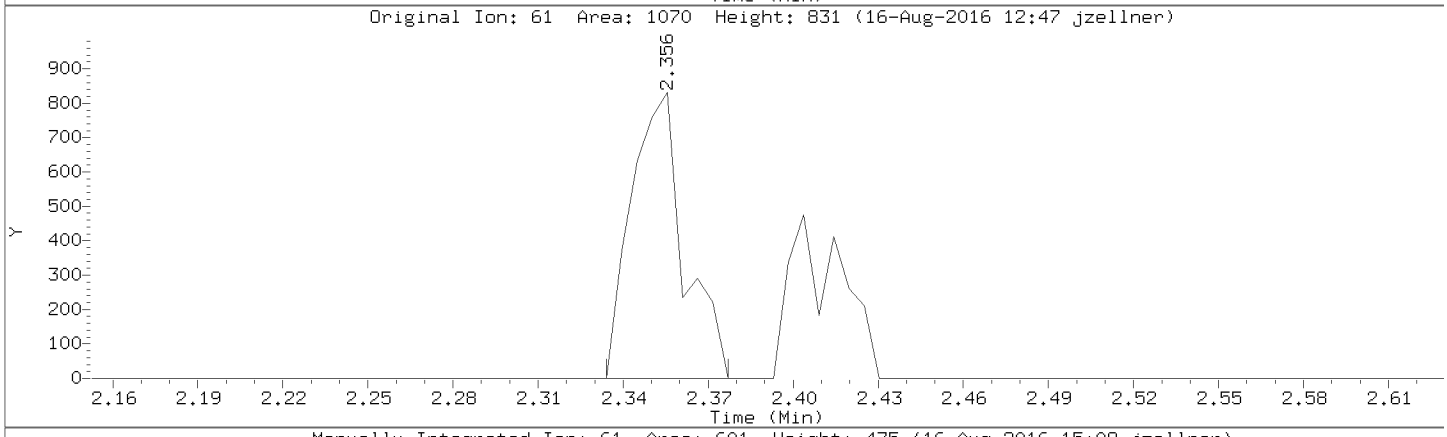
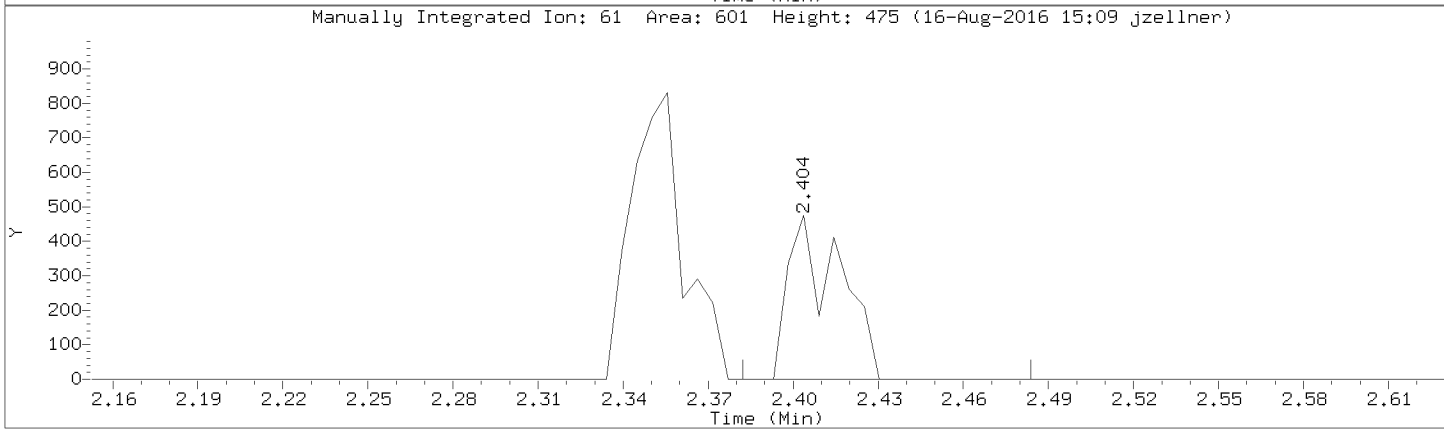
Compound: Ethyl Acetate Review Code: WP
CAS Number: 141-78-6









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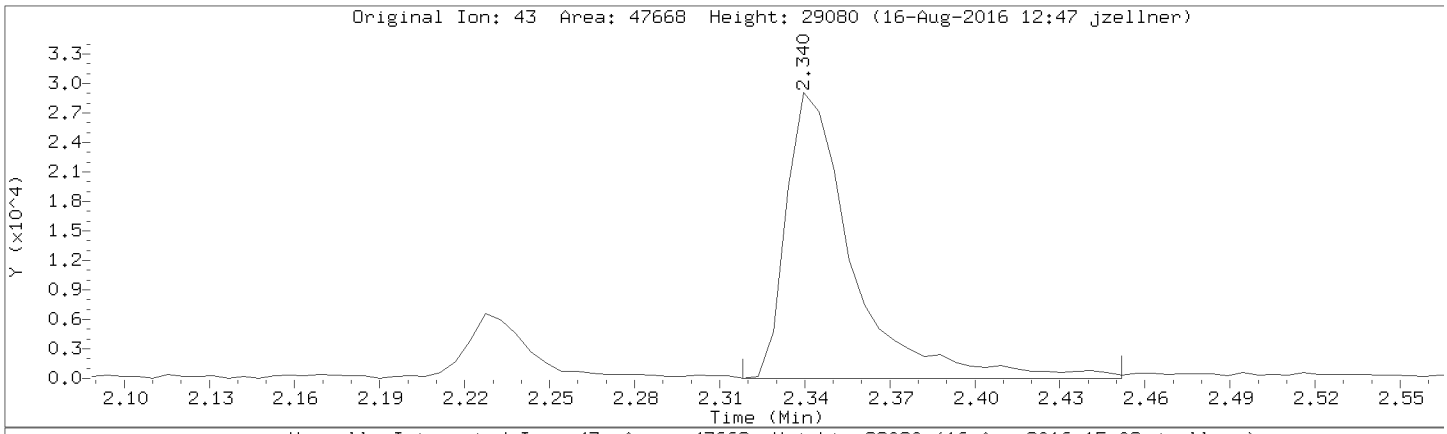
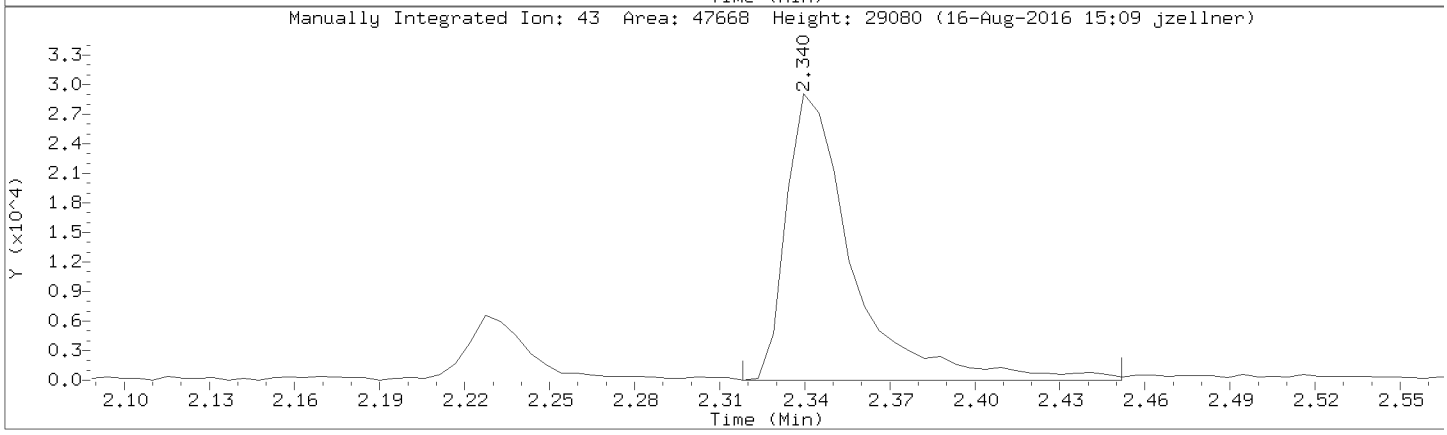
Lab Sample ID: 8260-CAL3,128589:0





Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b04cal.d
Lab Smp Id: 8260-CAL4,128589:0
Inj Date : 16-AUG-2016 12:12
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal4,128589:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.916	0.913	(0.219)	27630	10.0000	10.6	
2	Chloromethane	50	0.996	0.996	(0.239)	28049	10.0000	10.1	
3	Vinyl Chloride	62	1.044	1.044	(0.250)	28020	10.0000	11.0	
4	Bromomethane	94	1.188	1.194	(0.285)	12588	10.0000	9.95	
5	Chloroethane	64	1.236	1.234	(0.296)	15992	10.0000	10.9	
6	Trichlorofluoromethane	101	1.348	1.348	(0.323)	33741	10.0000	11.0	
7	Diethyl ether	74	1.476	1.477	(0.354)	9196	10.0000	9.70	
8	1,2-dichlorotrifluoroethane	67	1.492	1.493	(0.358)	21490	10.0000	9.44	
9	Acrolein	56	1.546	1.551	(0.370)	18060	200.000	212	
10	1,1,2trichlorotrifluoroethane	101	1.599	1.600	(0.383)	19047	10.0000	10.2	
11	1,1-Dichloroethene	96	1.605	1.602	(0.385)	15433	10.0000	10.2	
12	Acetone	43	1.610	1.613	(0.386)	15284	50.0000	48.9	
13	Iodomethane	142	1.690	1.690	(0.405)	32669	20.0000	19.2	
14	Carbon Disulfide	76	1.738	1.736	(0.416)	57297	10.0000	9.68	
15	Methyl Acetate	43	1.781	1.784	(0.427)	10059	10.0000	9.17	
17	Acetonitrile	39	1.797	1.797	(0.431)	41345	10.0000	10.1	
18	Methylene Chloride	84	1.872	1.872	(0.449)	18977	10.0000	10.2	
19	tert-Butyl Alcohol	59	1.914	1.917	(0.459)	2862	20.0000	21.9(QM)	GT
20	Acrylonitrile	53	2.005	2.008	(0.480)	15107	40.0000	39.7	
21	Methyl-tert-butyl ether	73	2.032	2.037	(0.487)	40286	10.0000	9.68	
22	1,2-Dichloroethene (trans)	96	2.048	2.048	(0.491)	17258	10.0000	9.90	
23	n-Hexane	57	2.229	2.233	(0.534)	31383	10.0000	9.75	
24	Vinyl Acetate	43	2.342	2.339	(0.561)	105668	40.0000	39.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	25 1,1-Dichloroethane	63	2.347	2.350	(0.562)	29982	10.0000	9.98	
	26 Chloroprene	53	2.406	2.409	(0.576)	28496	10.0000	9.73	
	27 2-Butanone	72	2.806	2.809	(0.672)	5946	50.0000	47.2(Q)	
	28 1,2-Dichloroethene (cis)	96	2.822	2.828	(0.676)	17722	10.0000	9.98	
	29 2,2-Dichloropropane	77	2.828	2.831	(0.678)	27766	10.0000	10.1	
	30 Propionitrile	54	2.876	2.868	(0.689)	1412	10.0000	9.53(QM)	NI
	31 Methacrylonitrile	41	3.020	3.012	(0.724)	5431	10.0000	8.81(M)	CO
	32 Bromochloromethane	49	3.057	3.060	(0.733)	11830	10.0000	10.1	
	33 Tetrahydrofuran	42	3.084	3.082	(0.739)	3537	10.0000	10.7	
	34 Chloroform	83	3.169	3.175	(0.759)	29415	10.0000	9.90	
$	35 Dibromofluoromethane (S)	113	3.340	3.341	(0.800)	79392	50.0000	49.4	
	36 1,1,1-Trichloroethane	97	3.340	3.346	(0.800)	27809	10.0000	9.88	
	37 Cyclohexane	56	3.426	3.432	(0.821)	29226	10.0000	9.94	
	151 n-Butyl chloride	56	3.495	3.493	(0.837)	38541	10.0000	9.93	
	38 Carbon Tetrachloride	117	3.527	3.530	(0.845)	24537	10.0000	10.1	
	39 1,1-Dichloropropene	75	3.538	3.536	(0.848)	23769	10.0000	9.90	
	40 Benzene	78	3.778	3.773	(0.905)	66124	10.0000	9.79	
	41 1,2-Dichloroethane	62	3.864	3.862	(0.926)	18637	10.0000	9.83	
	42 Isobutyl alcohol	43	3.949	3.958	(0.946)	13794	10.0000	9.65	
	43 2,2,4-Trimethylpentane	57	3.955	3.950	(0.948)	74899	10.0000	9.68	
*	44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	343151	50.0000		
	45 Trichloroethene	95	4.628	4.628	(1.109)	16714	10.0000	9.51	
	46 Methylcyclohexane	55	4.889	4.892	(1.171)	24441	10.0000	9.89	
	47 1,2-Dichloropropane	63	4.927	4.930	(1.180)	15455	10.0000	9.74	
	48 Methyl methacrylate	69	5.050	5.047	(1.210)	7653	10.0000	9.28	
	49 Dibromomethane	93	5.028	5.026	(1.205)	7583	10.0000	9.66	
	50 1,4-Dioxane	88	5.044	5.042	(1.209)	1935	200.000	178(M)	NI
	51 Bromodichloromethane	83	5.252	5.250	(1.258)	19614	10.0000	9.42	
	52 2-Chloroethyl vinyl ether	63	5.605	5.608	(0.763)	14306	20.0000	20.4	
	53 cis-1,3-Dichloropropene	75	5.749	5.747	(0.783)	23579	10.0000	9.64	
	54 4-Methyl-2-Pentanone	43	5.925	5.923	(0.807)	49319	50.0000	48.0	
$	55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	333849	50.0000	50.2	
	56 Toluene	91	6.096	6.097	(0.830)	76113	10.0000	9.67	
	57 trans-1,3-Dichloropropene	75	6.379	6.383	(0.868)	20313	10.0000	9.92	
	58 Ethyl Methacrylate	69	6.470	6.468	(0.881)	16995	10.0000	9.99(M)	NI
	59 1,1,2-Trichloroethane	83	6.566	6.564	(0.894)	9930	10.0000	10.3	
	60 Tetrachloroethene	166	6.620	6.625	(0.901)	18533	10.0000	9.41	
	61 1,3-Dichloropropane	76	6.711	6.708	(0.913)	18970	10.0000	9.72	
	62 2-Hexanone	43	6.780	6.778	(0.923)	33262	50.0000	46.8(M)	GT
	63 Dibromochloromethane	129	6.892	6.893	(0.938)	14043	10.0000	9.69	
	64 1,2-Dibromoethane	107	6.978	6.978	(0.950)	11124	10.0000	9.92	
*	65 Chlorobenzene-D5 (IS)	117	7.346	7.347	(1.000)	251366	50.0000		
	66 Chlorobenzene	112	7.368	7.368	(1.003)	47739	10.0000	9.97	
	67 1,1,1,2-Tetrachloroethane	131	7.442	7.443	(1.013)	15849	10.0000	9.62	
	68 Ethylbenzene	106	7.453	7.453	(1.015)	29487	10.0000	10.4	
	69 m&p-Xylene	106	7.549	7.549	(1.028)	69130	20.0000	20.1	
	70 o-Xylene	106	7.811	7.811	(1.063)	33173	10.0000	10.2	
	71 Styrene	104	7.827	7.827	(1.065)	54335	10.0000	10.0	
	72 Bromoform	173	7.944	7.942	(0.899)	8188	10.0000	9.33(M)	NI
	73 Isopropylbenzene	105	8.051	8.057	(1.096)	89021	10.0000	9.93	
$	74 4-Bromofluorobenzene (S)	95	8.163	8.164	(1.111)	119161	50.0000	50.0	
	75 Bromobenzene	77	8.243	8.244	(1.122)	28810	10.0000	9.85	
	76 1,1,2,2-Tetrachloroethane	83	8.254	8.254	(0.934)	13878	10.0000	10.2	
	77 trans-1,4-Dichloro-2-butene	53	8.276	8.273	(1.126)	3750	10.0000	9.41	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
78	1,2,3-Trichloropropane	110	8.281	8.284	(0.937)	4213	10.0000	9.76	
79	n-Propylbenzene	91	8.313	8.313	(0.940)	101703	10.0000	9.78	
80	2-Chlorotoluene	91	8.361	8.361	(0.946)	58087	10.0000	9.92	
81	1,3,5-Trimethylbenzene	105	8.420	8.425	(0.952)	73208	10.0000	9.79	
82	4-Chlorotoluene	126	8.436	8.436	(0.954)	20562	10.0000	9.44	
83	tert-Butylbenzene	119	8.601	8.602	(0.973)	86562	10.0000	9.92	
84	1,2,4-Trimethylbenzene	105	8.639	8.639	(0.977)	74545	10.0000	9.90	
85	sec-Butylbenzene	105	8.730	8.730	(0.987)	99538	10.0000	10.0	
86	1,3-Dichlorobenzene	146	8.799	8.799	(0.995)	41682	10.0000	10.0	
87	p-Isopropyltoluene	119	8.815	8.815	(0.997)	84752	10.0000	9.82	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	130623	50.0000		
89	1,4-Dichlorobenzene	146	8.852	8.858	(1.001)	42333	10.0000	9.86	
90	n-Butylbenzene	91	9.034	9.034	(1.022)	77236	10.0000	10.0	
91	1,2-Dichlorobenzene	146	9.045	9.045	(1.023)	37490	10.0000	9.77	
92	1,2-Dibromo-3-chloropropane	155	9.461	9.459	(1.070)	2398	10.0000	9.90	
93	1,2,4-Trichlorobenzene	180	9.873	9.878	(1.117)	24317	10.0000	9.33	
94	Hexachlorobutadiene	225	9.937	9.929	(1.124)	14557	10.0000	10.1	
95	Naphthalene	128	10.011	10.022	(1.132)	53921	10.0000	9.83	
96	1,2,3-Trichlorobenzene	180	10.129	10.135	(1.146)	23315	10.0000	10.0	
97	2,methyl-naphthalene	142	10.647	10.658	(1.204)	34715	10.0000	9.52	
98	1-Methylnaphthalene	142	10.764	10.770	(1.217)	29569	10.0000	9.38	
99	Isopropyl Acetate	61	1.605	1.602	(0.385)	24205	50.0000	49.0	
100	Ethyl Acetate	88	2.406	2.409	(0.576)	15351	100.000	95.6	

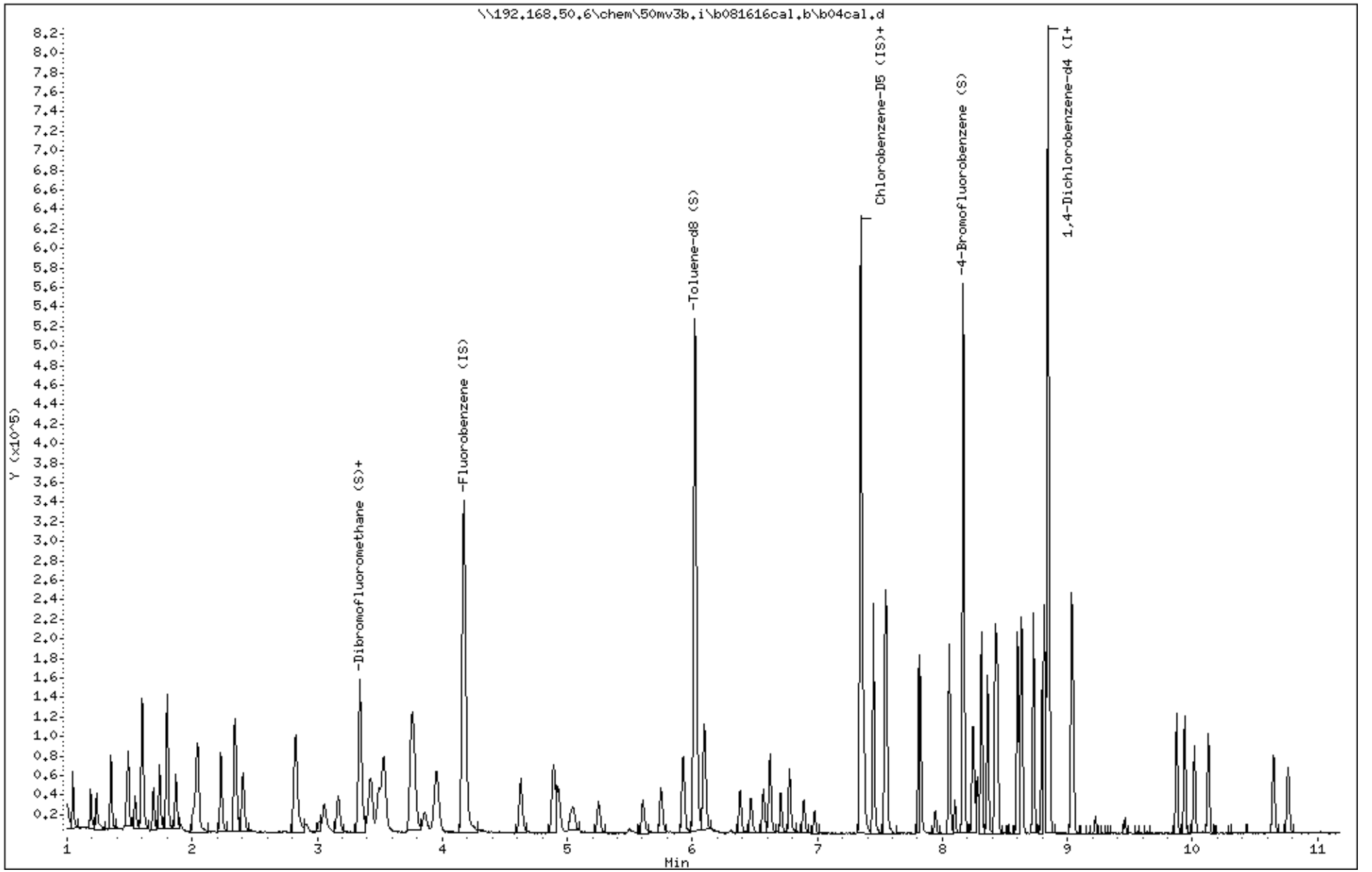
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:
GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
NI: Indicates that the peak was not integrated at all by the computer software.
CO: Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.

Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b04cal.d
Date : 16-AUG-2016 12:12
Client ID:
Instrument: 50mv3b.i
Sample Info: 8260-CAL4,128589:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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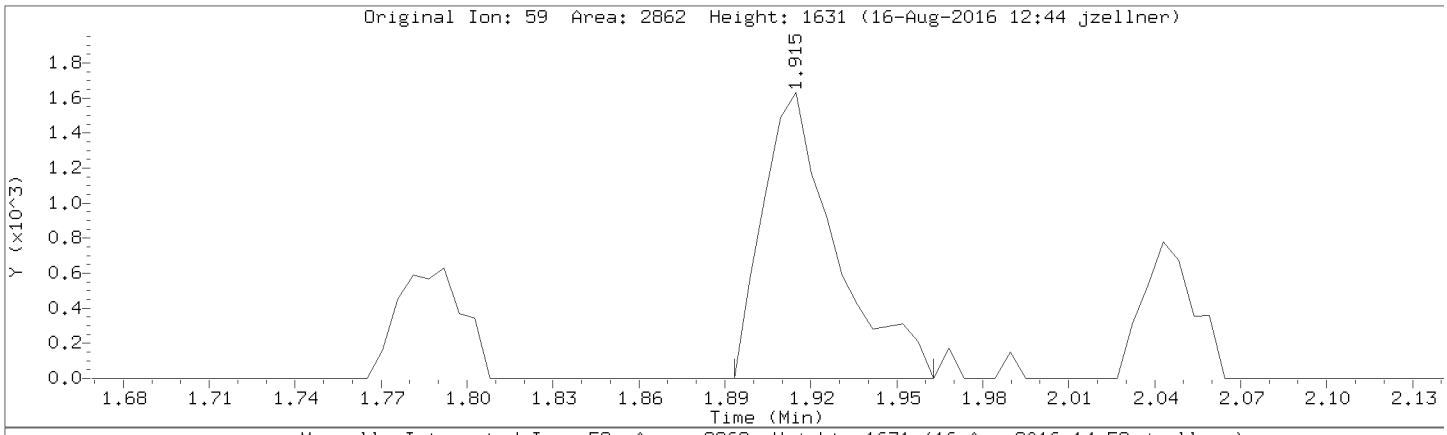
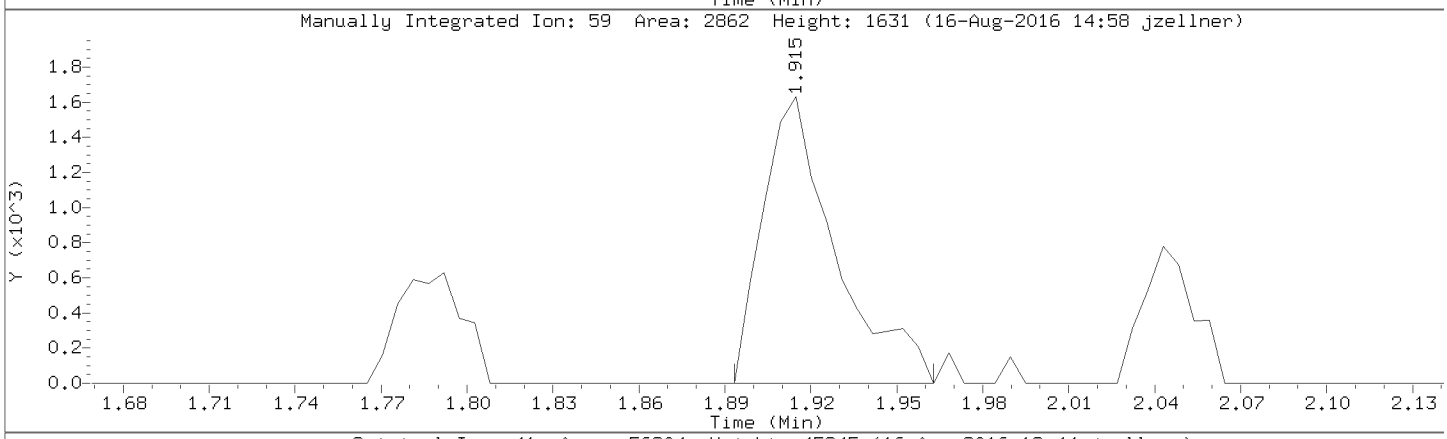
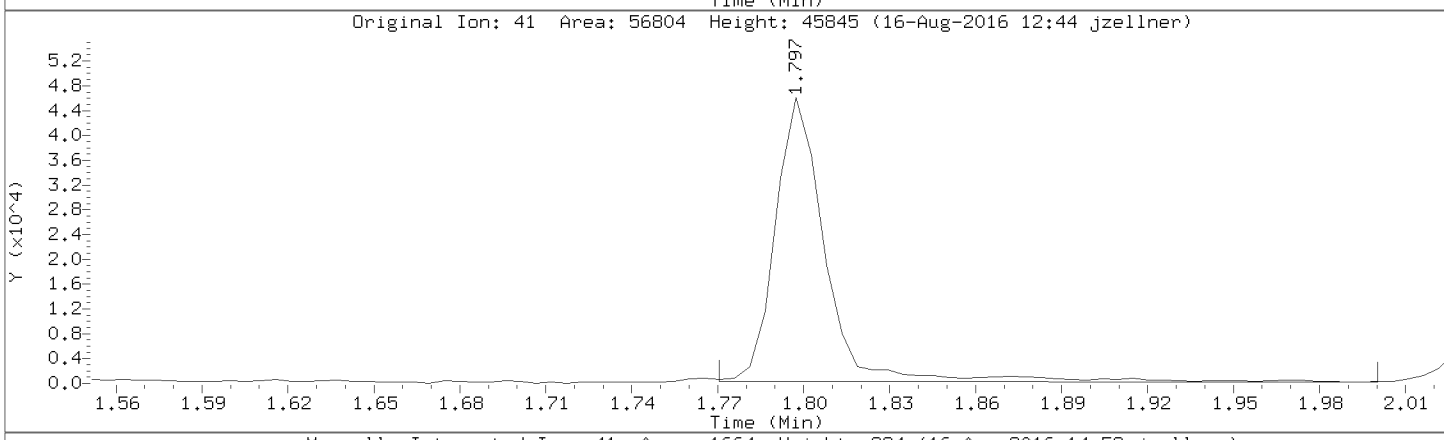
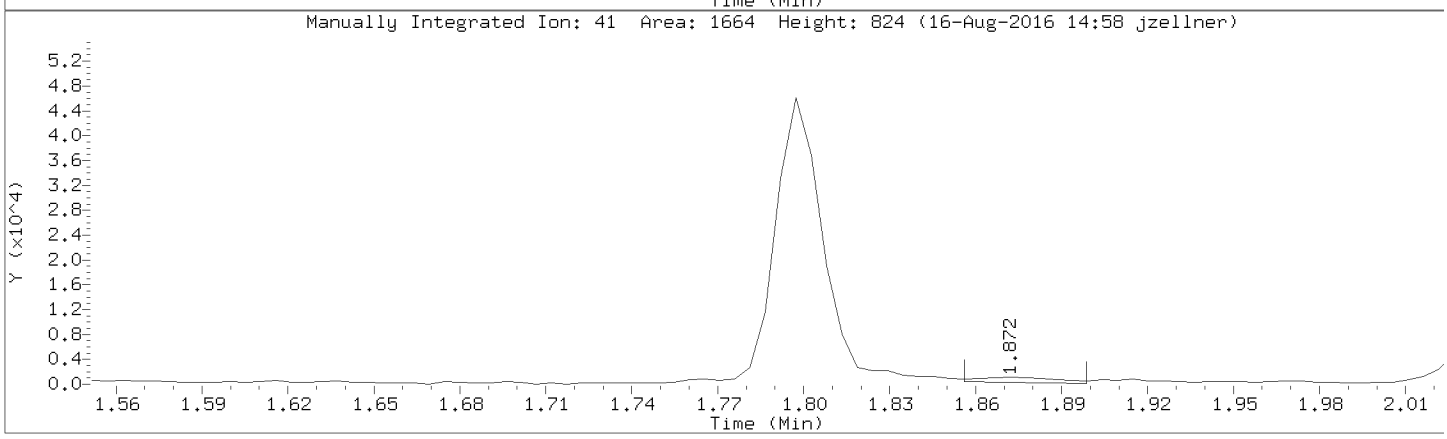
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0

Compound: tert-Butyl Alcohol Review Code: GT
CAS Number: 75-65-0









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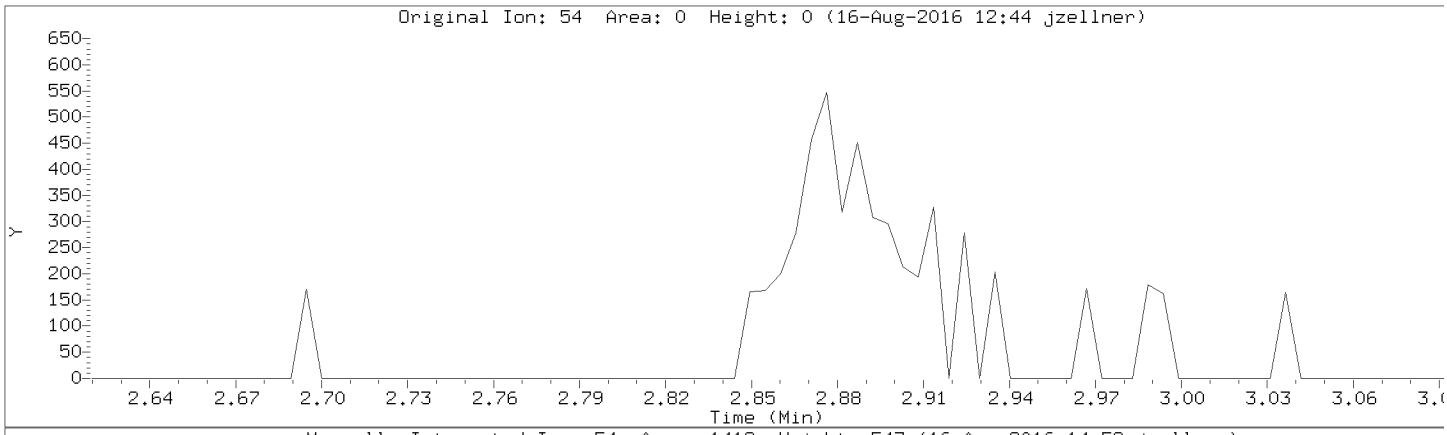
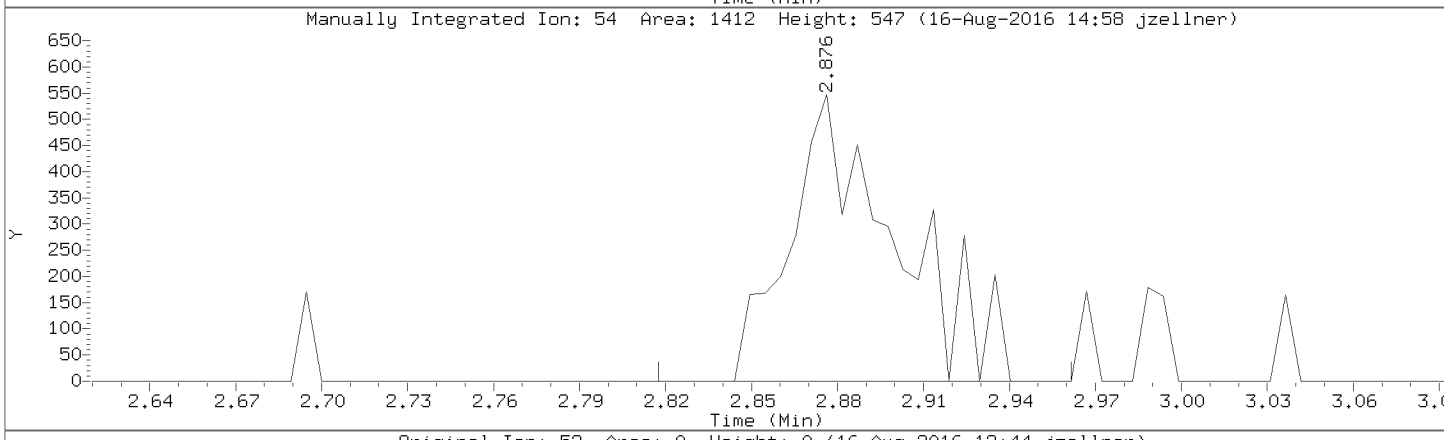
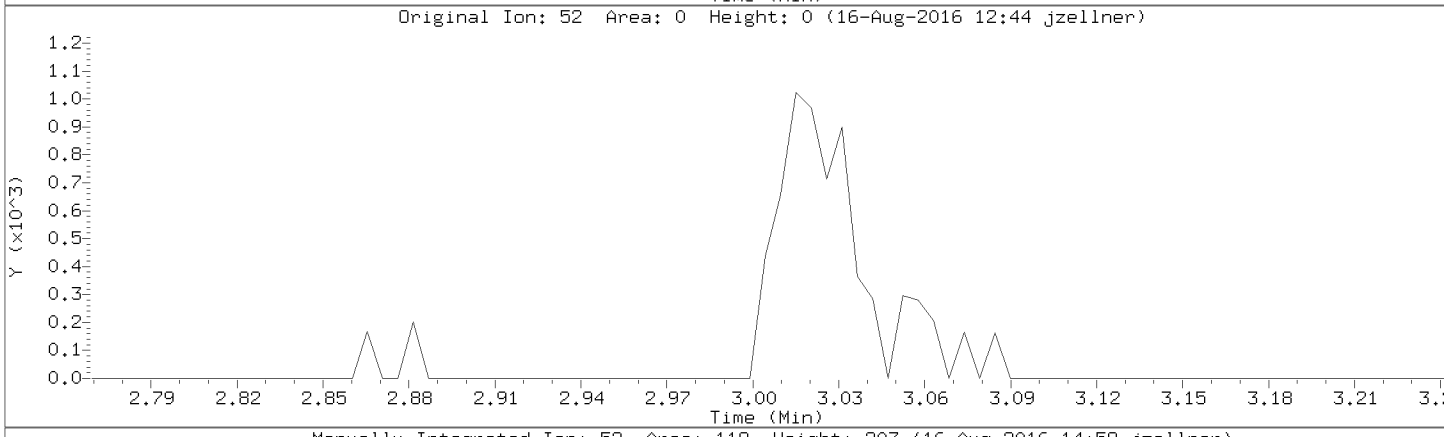
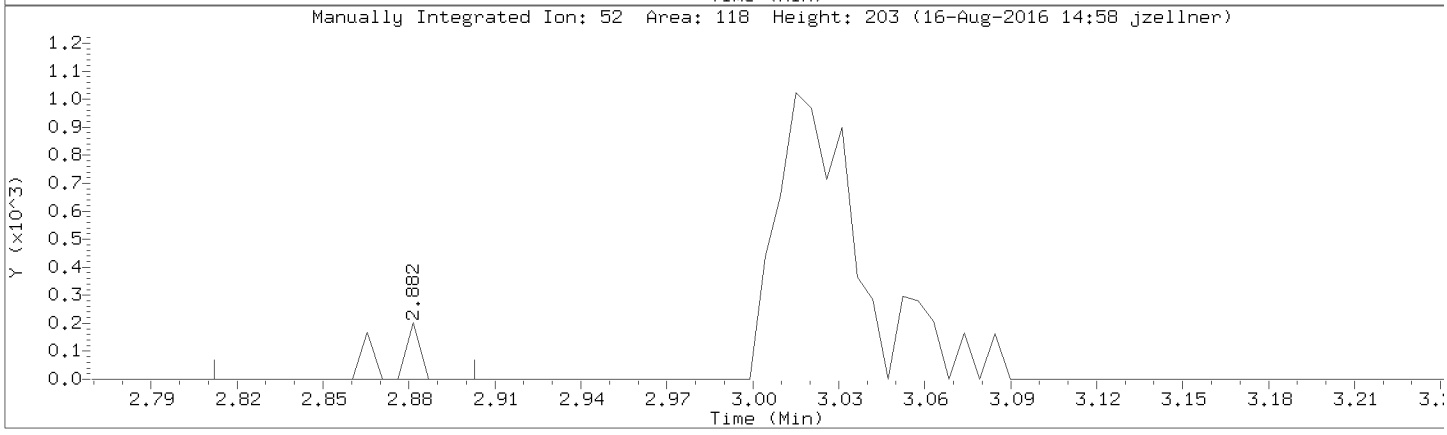
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0

Compound: Propionitrile Review Code: NI
CAS Number: 107-12-0









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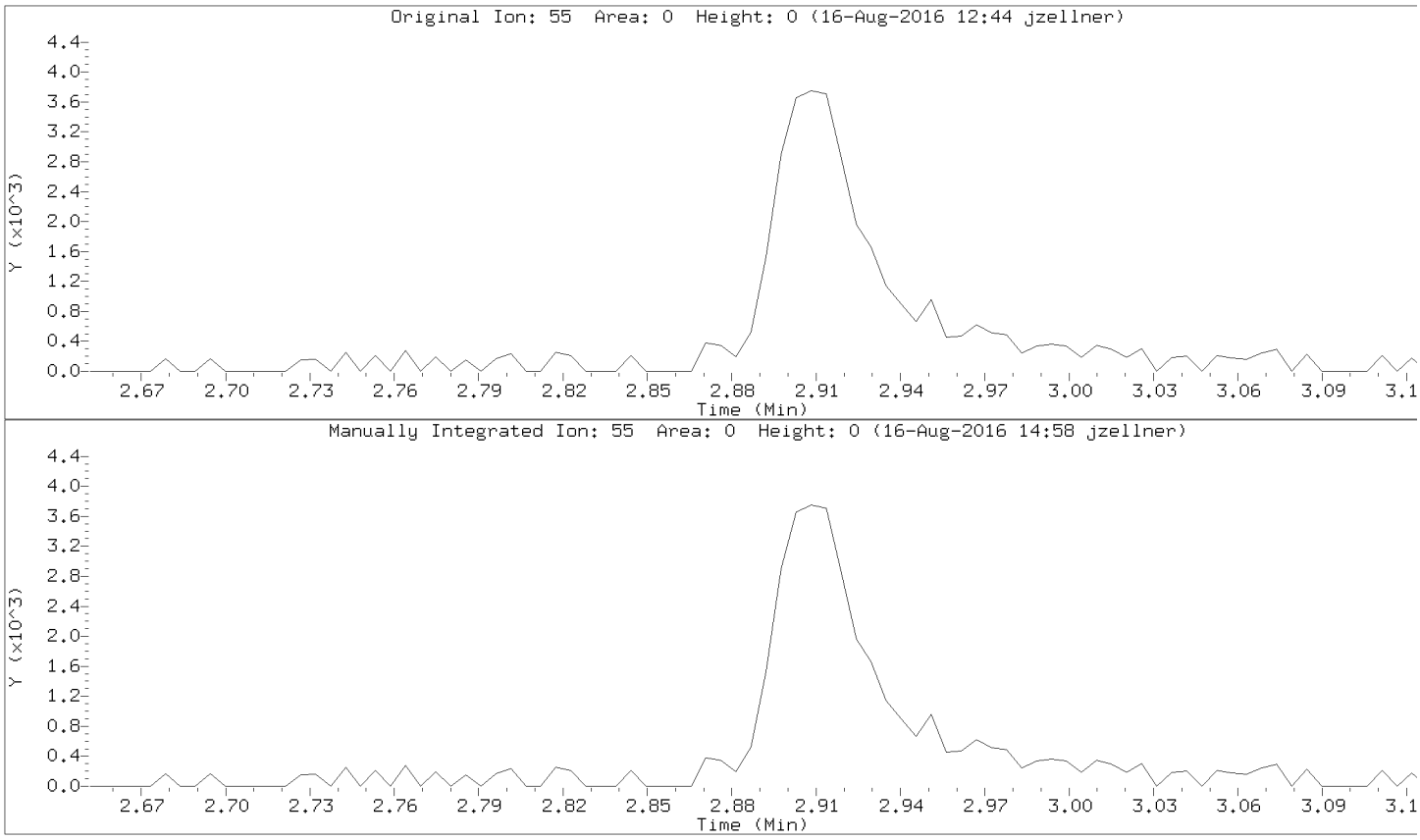
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0



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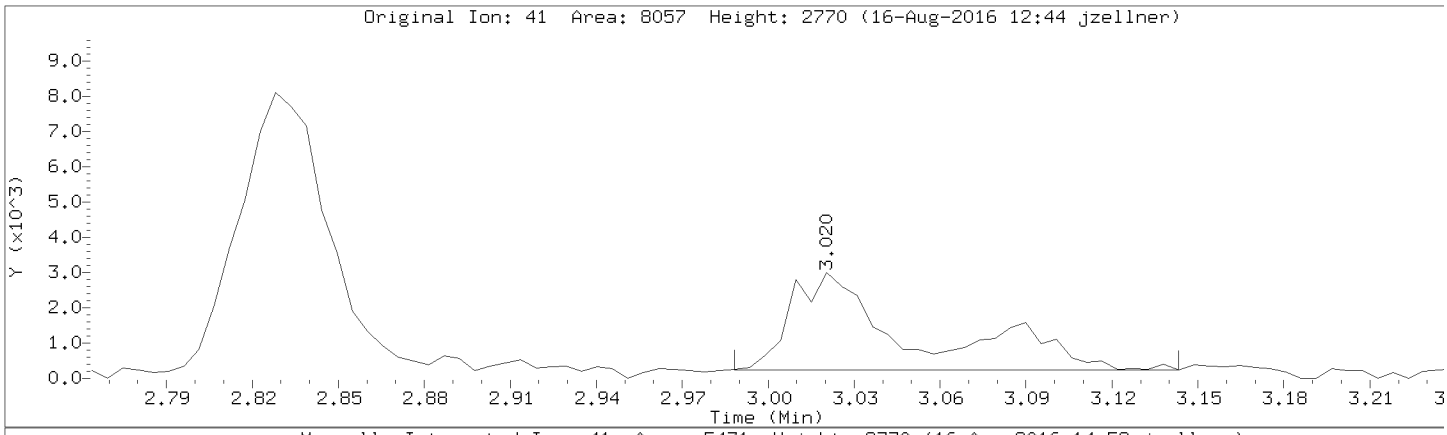
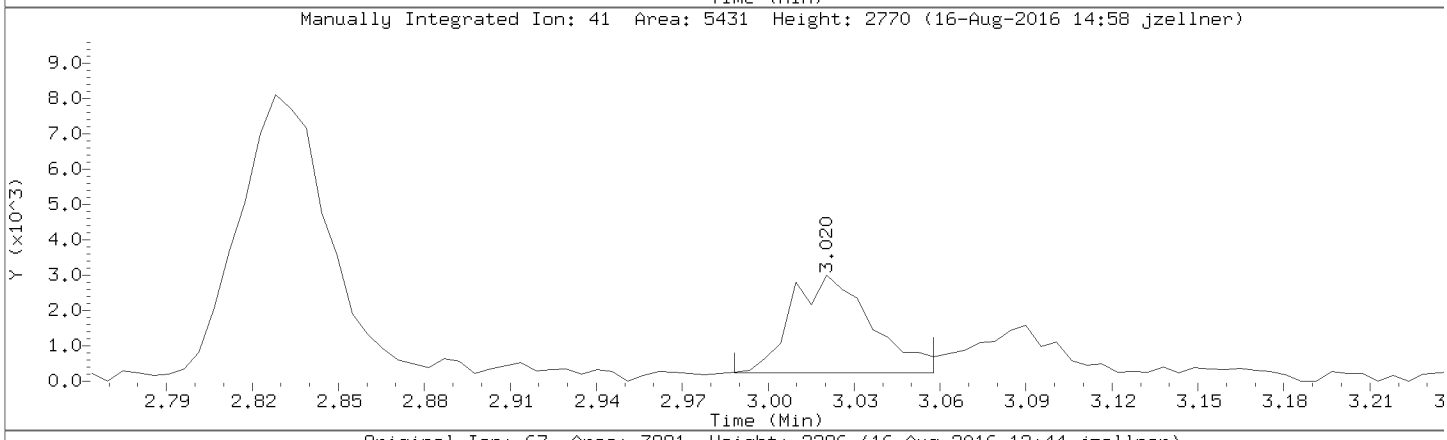
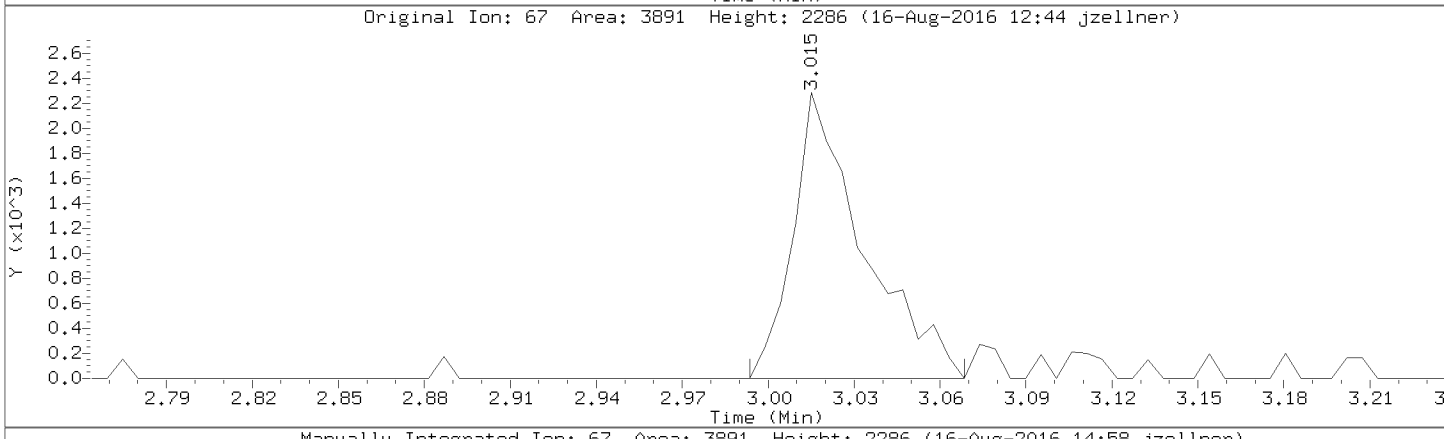
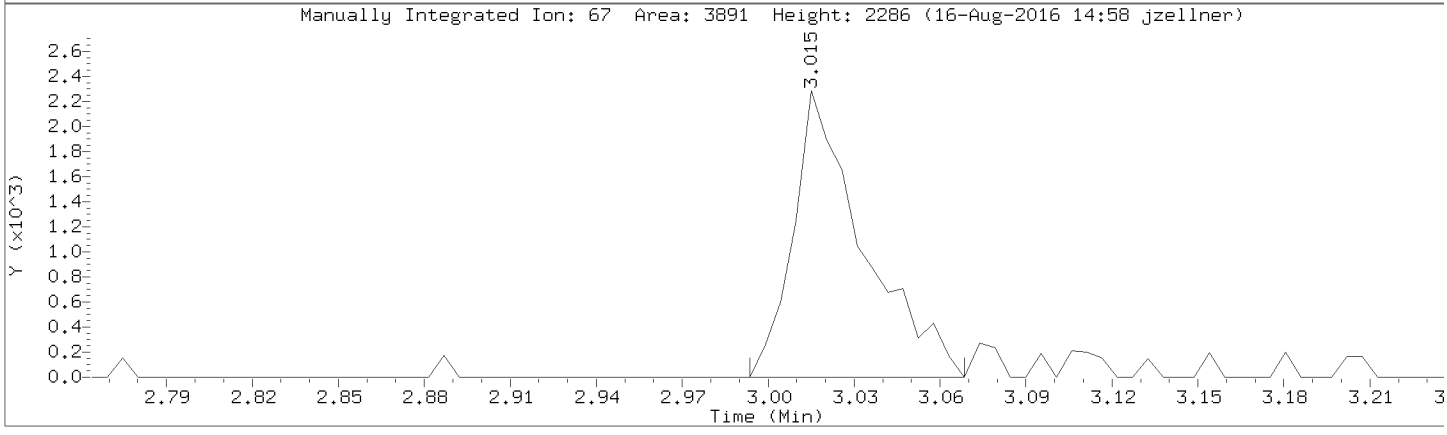
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0

Compound: Methacrylonitrile Review Code: CO
CAS Number: 126-98-7









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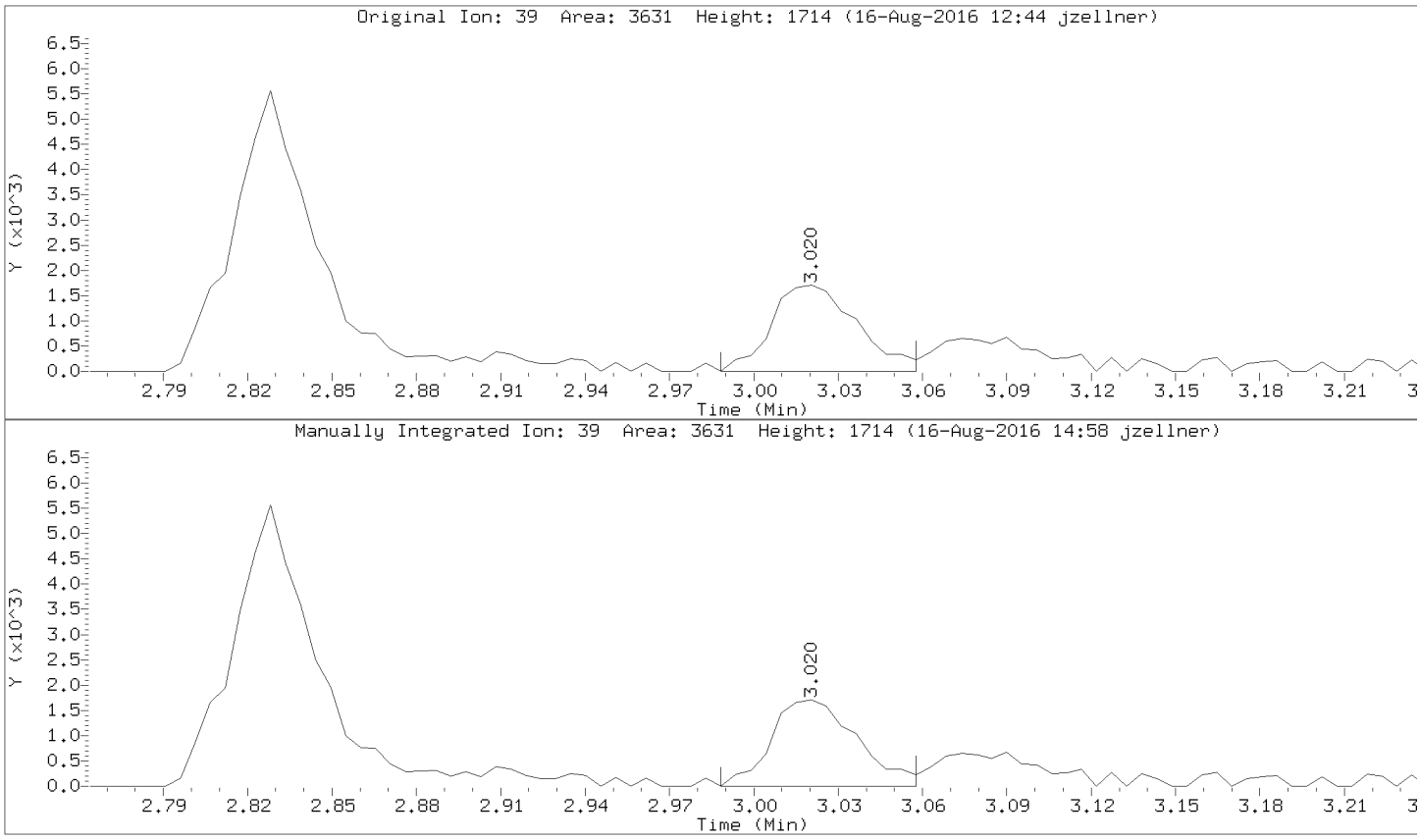
Lab Sample ID: 8260-CAL4,128589:0



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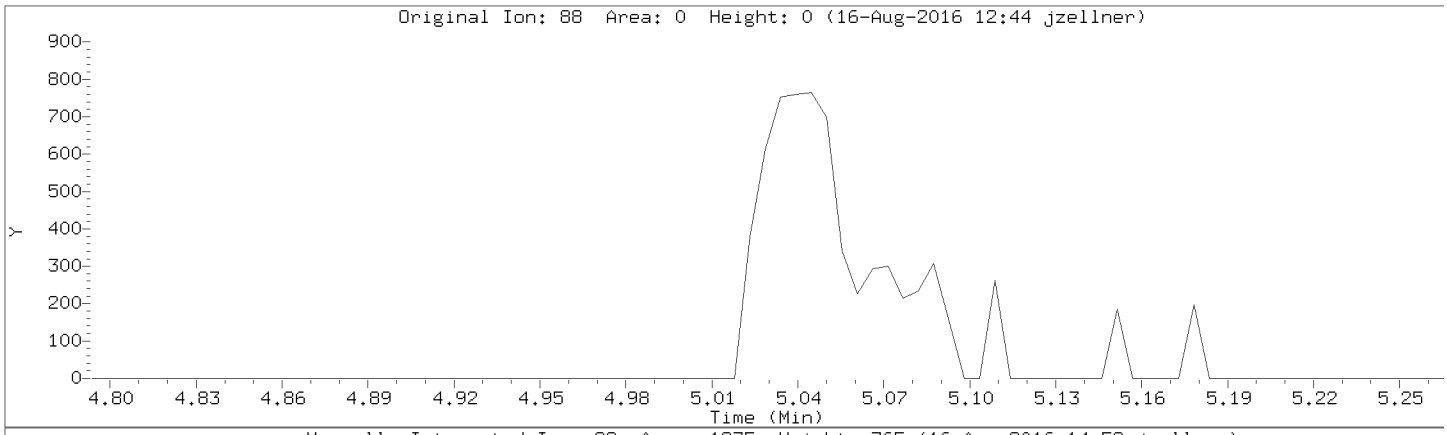
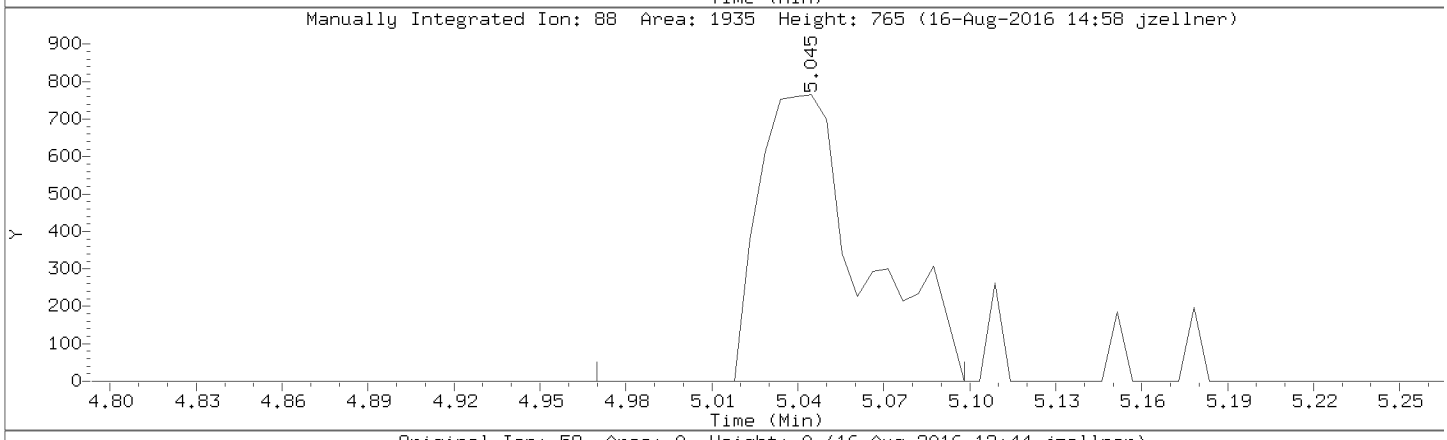
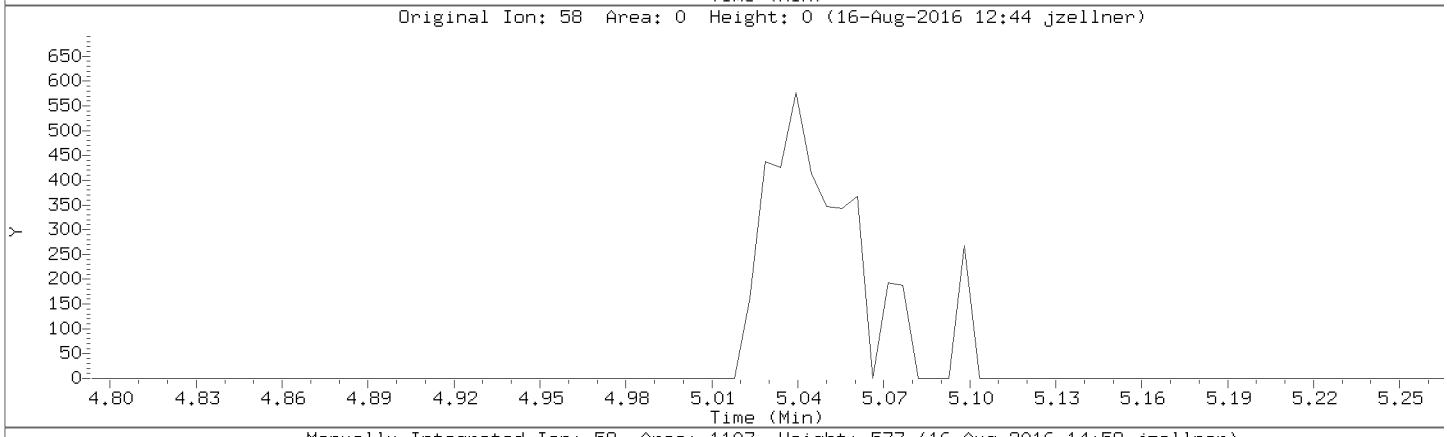
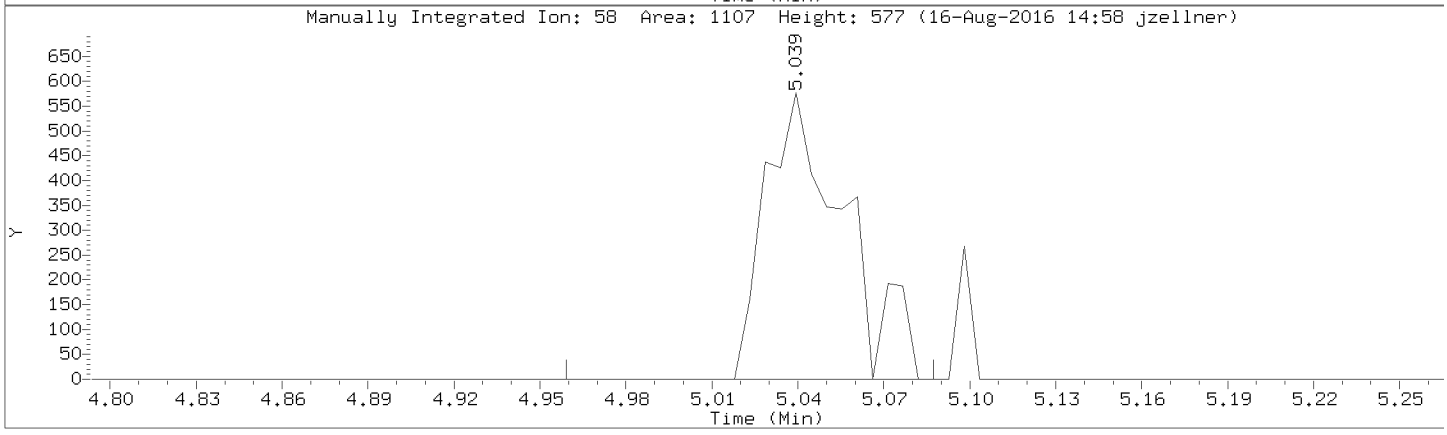
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0

Compound: 1,4-Dioxane Review Code: NI
CAS Number:









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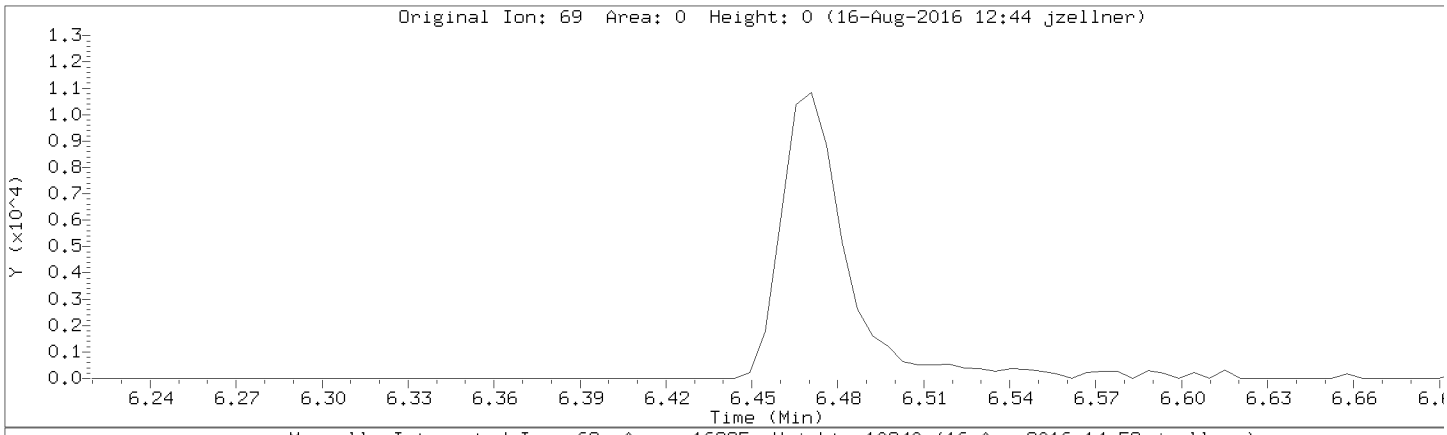
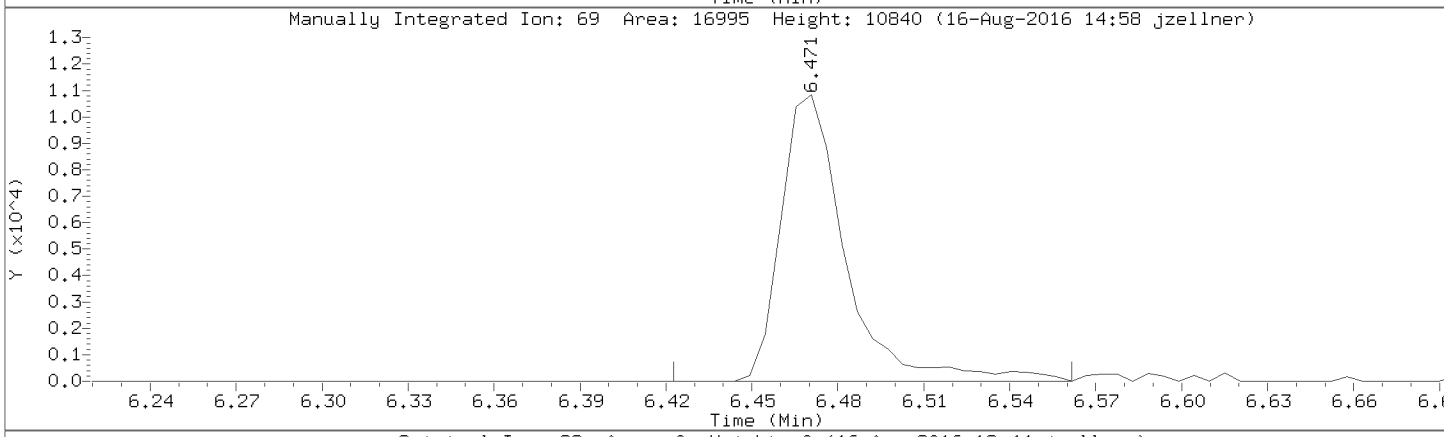
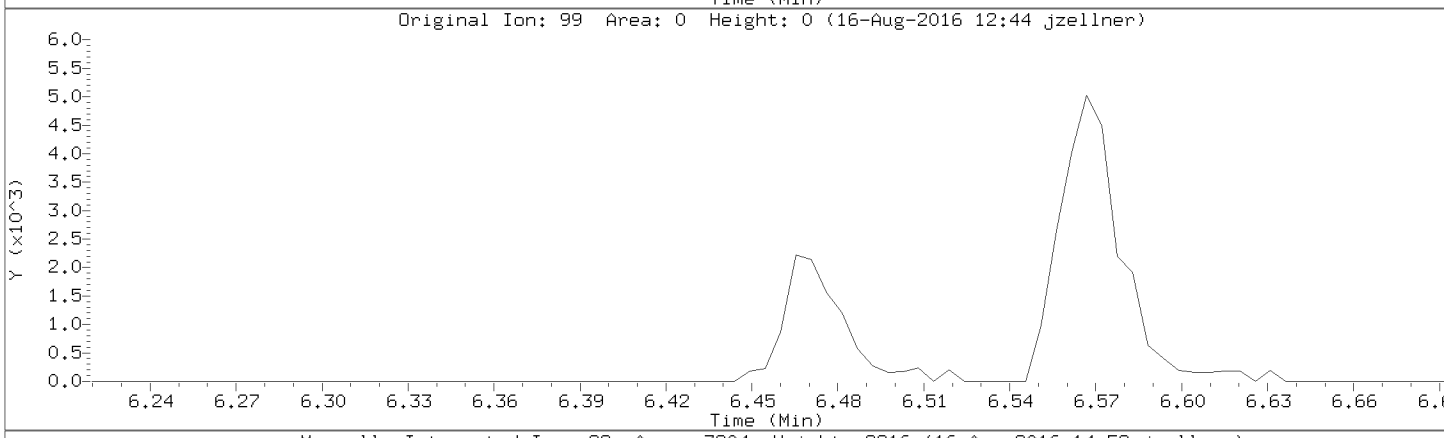
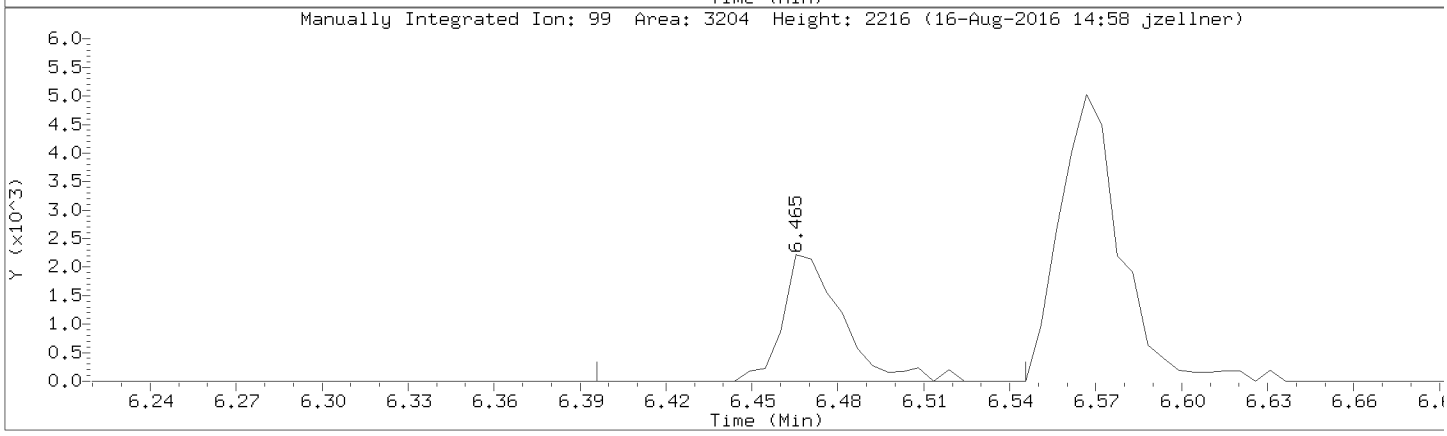
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0

Compound: Ethyl Methacrylate Review Code: NI
CAS Number:









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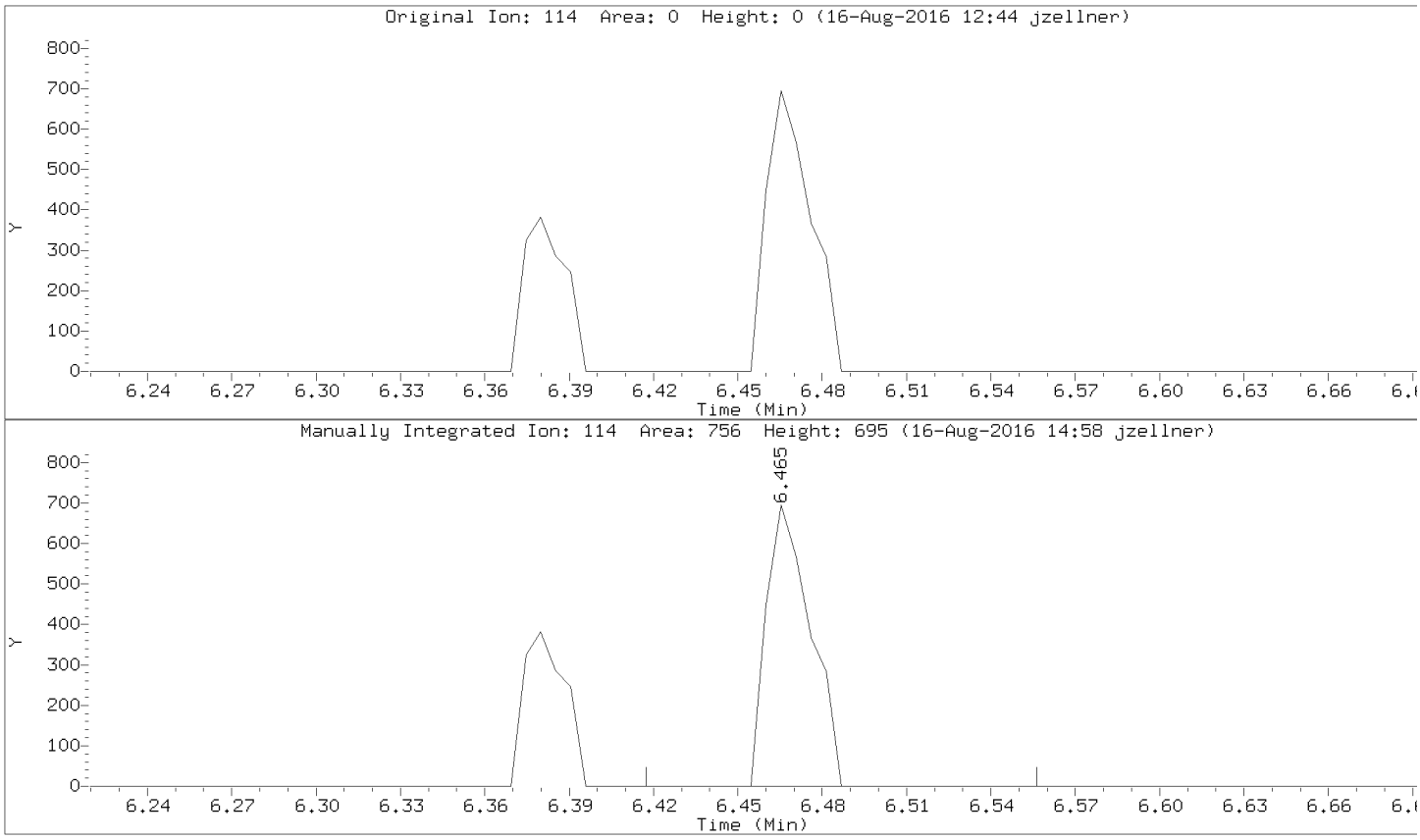
Lab Sample ID: 8260-CAL4,128589:0



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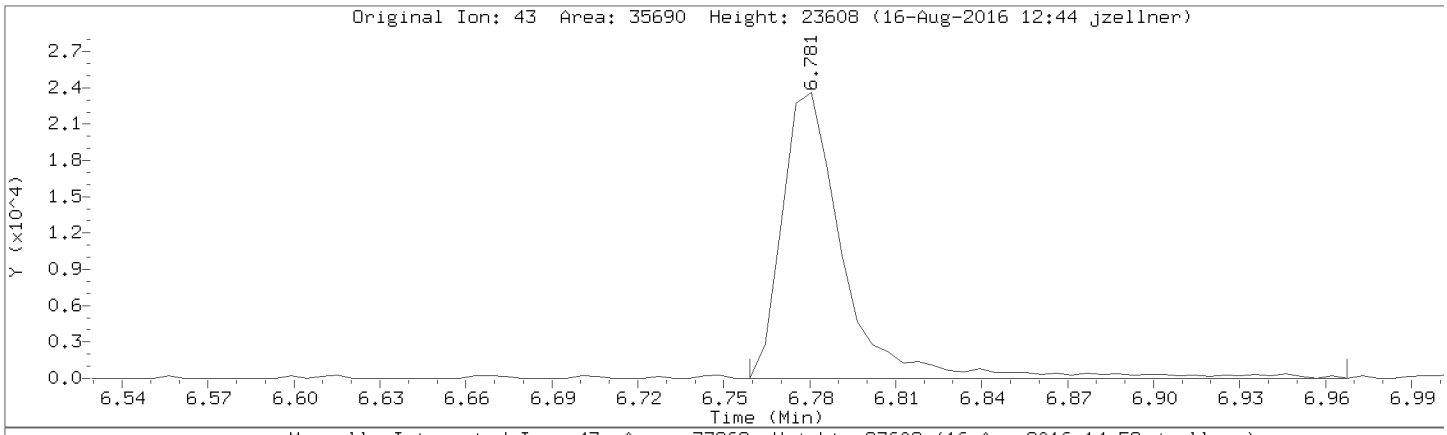
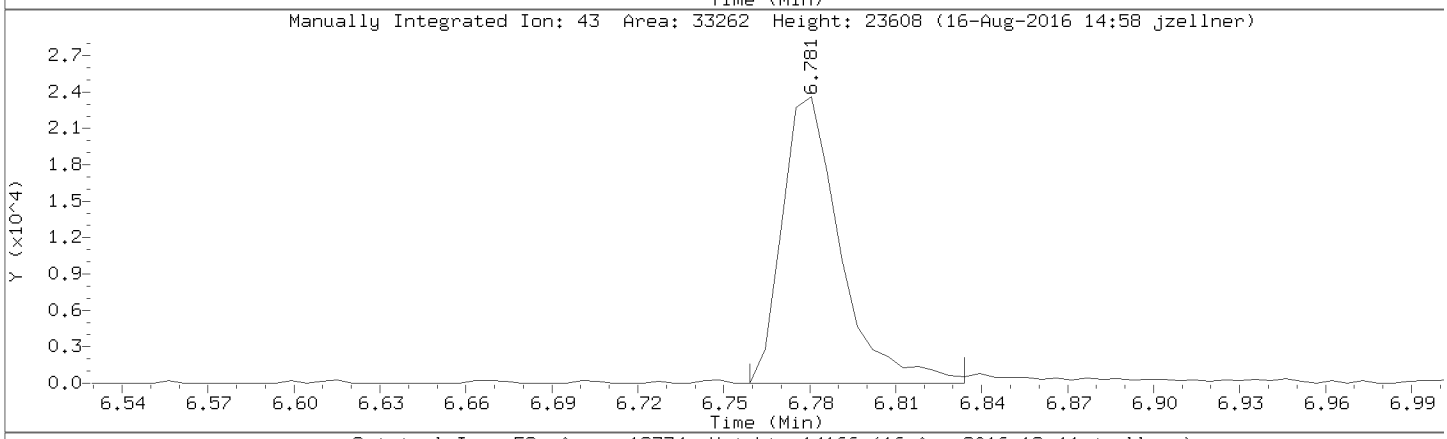
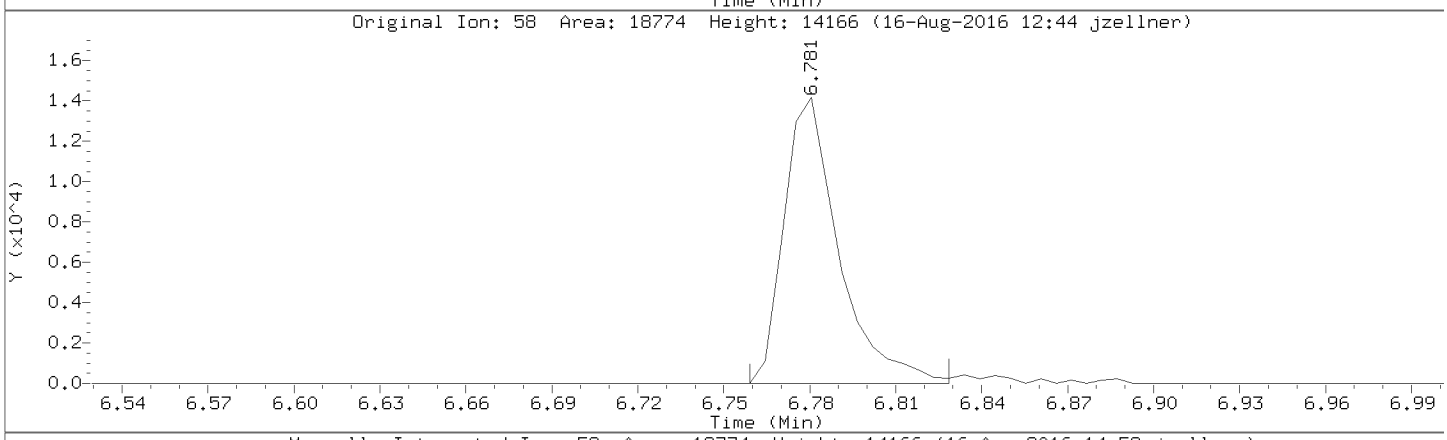
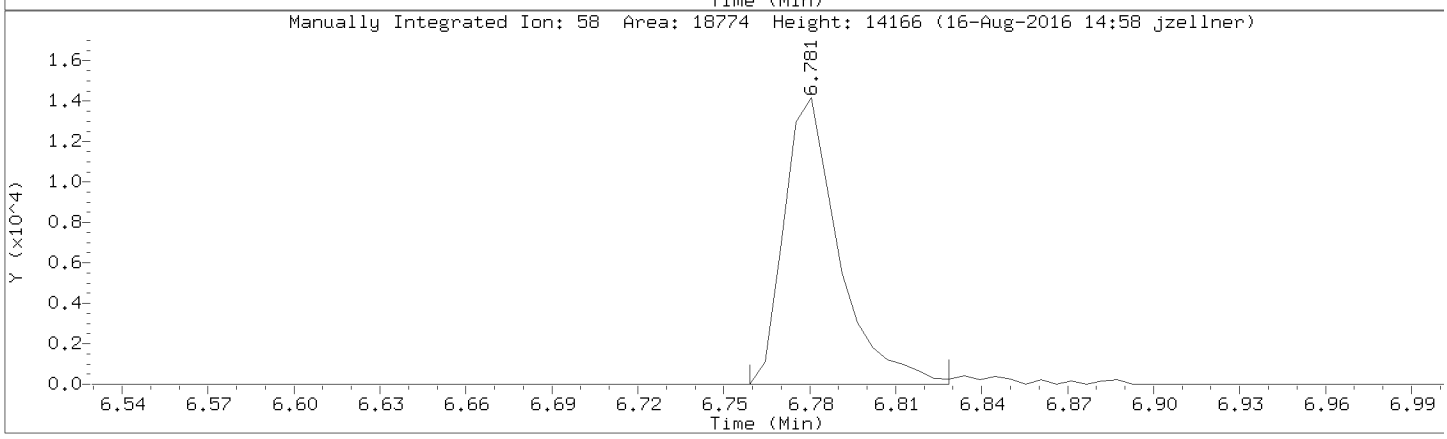
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0

Compound: 2-Hexanone Review Code: GT
CAS Number: 591-78-6









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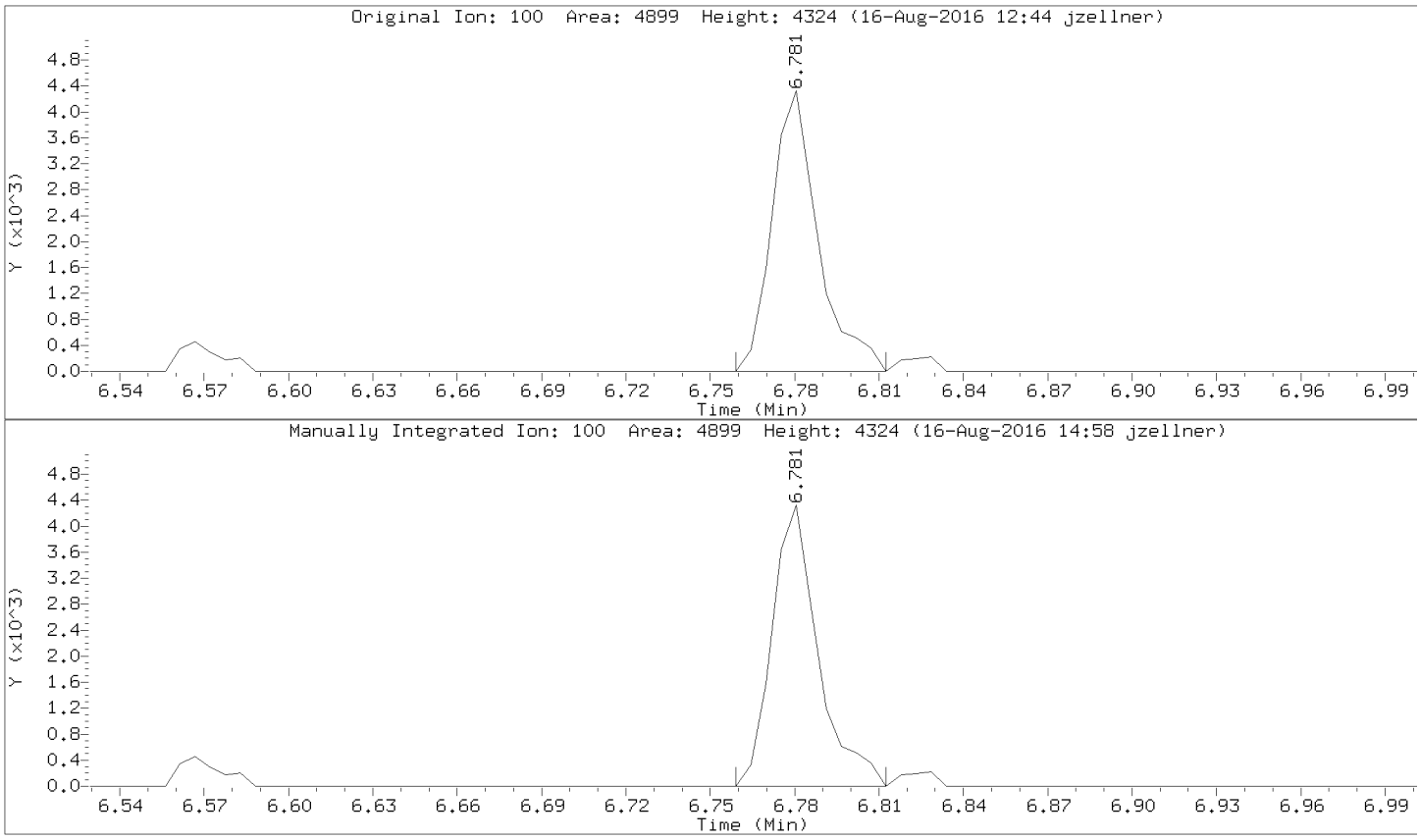
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0



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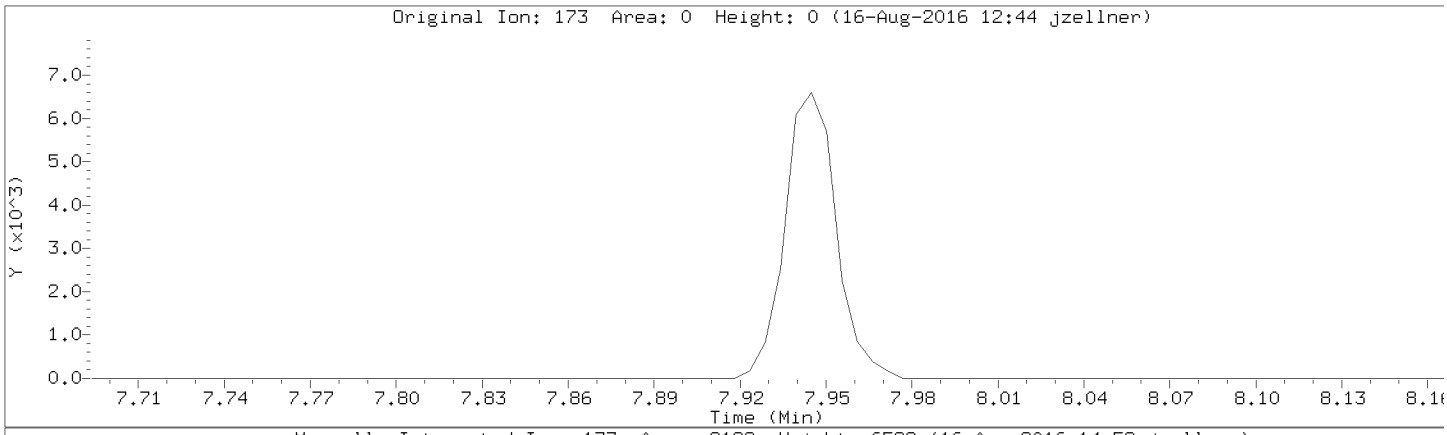
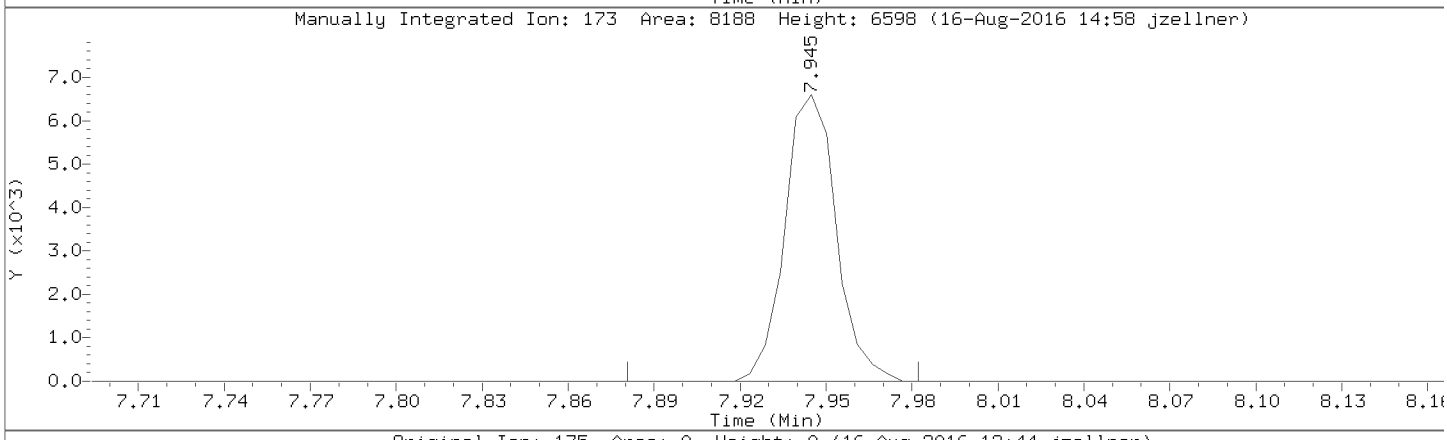
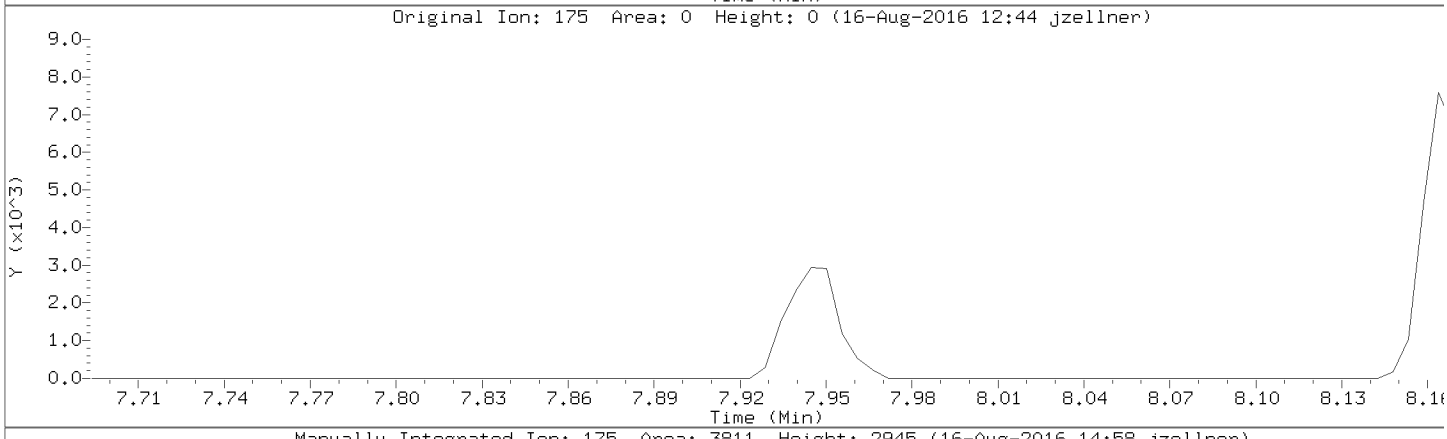
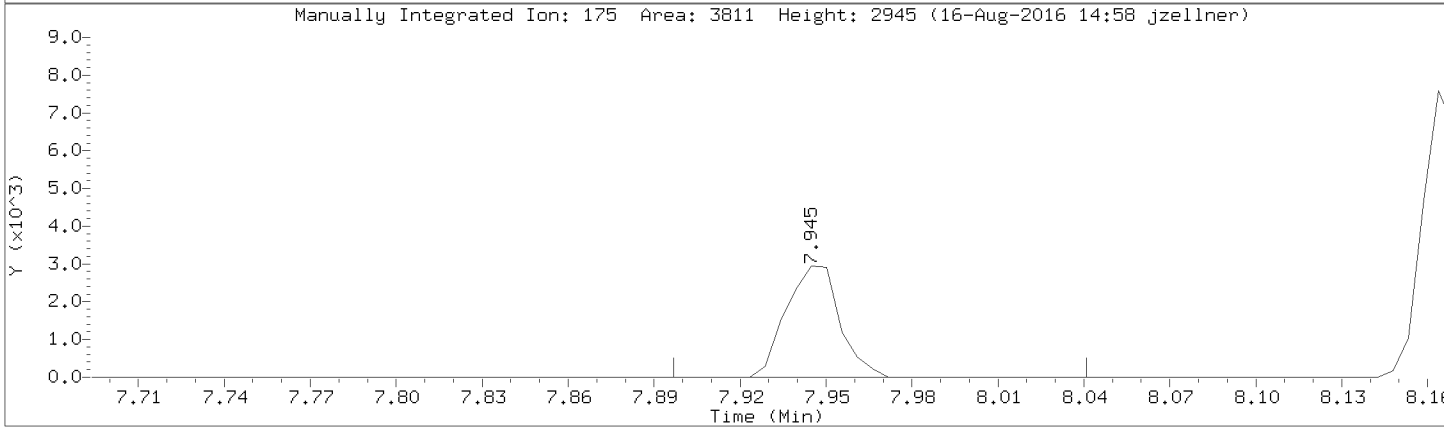
Injection Date: 16-AUG-2016 12:12
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0

Compound: Bromoform Review Code: NI
CAS Number: 75-25-2









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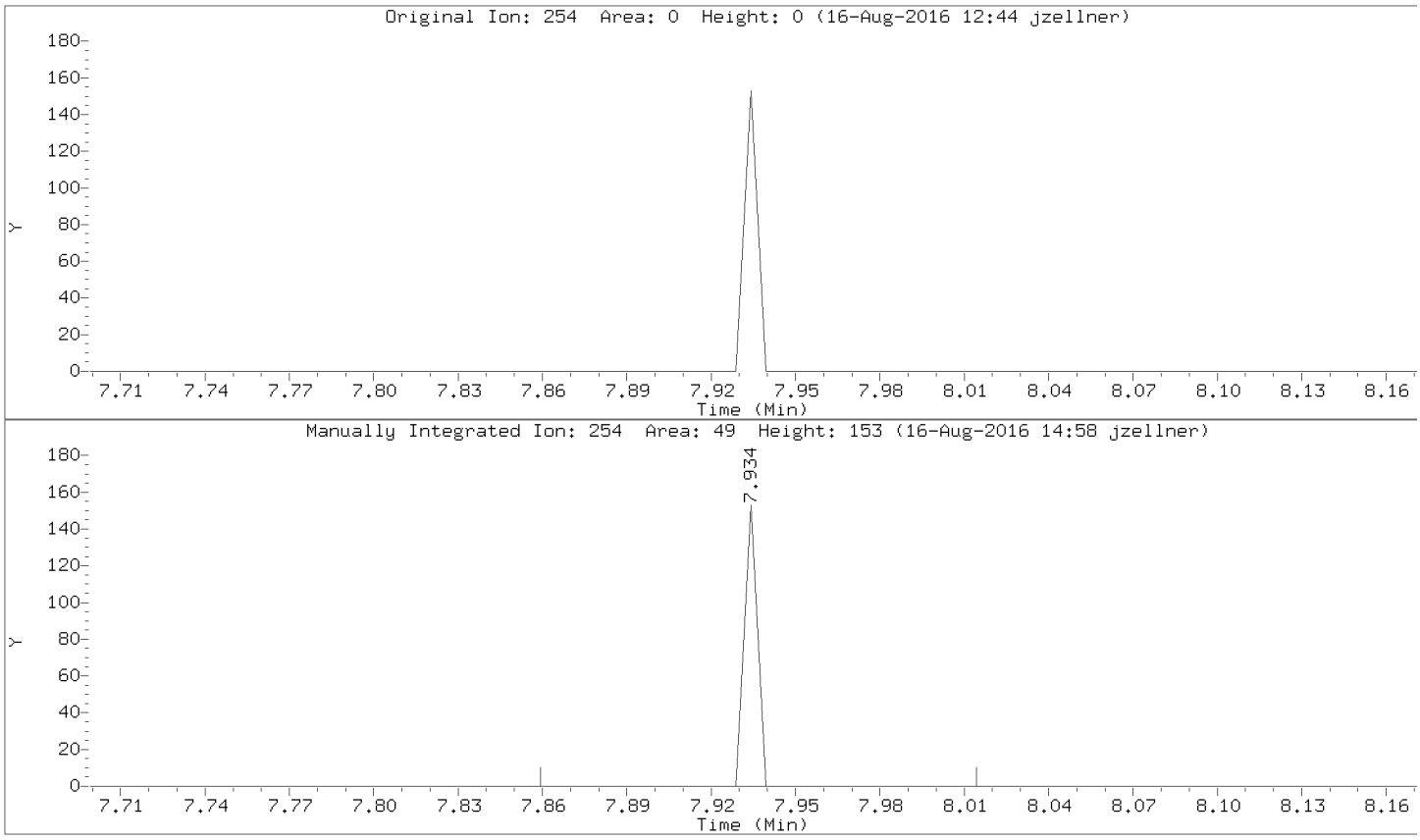
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL4,128589:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b05cal.d
Lab Smp Id: 8260-CAL5,128591:0
Inj Date : 16-AUG-2016 12:44
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal5,128591:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 12:44 Cal File: b05cal.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.913	0.913	(0.219)	53045	20.0000	20.2	
2	Chloromethane	50	0.998	0.996	(0.239)	53640	20.0000	19.2	
3	Vinyl Chloride	62	1.046	1.044	(0.251)	53549	20.0000	20.9	
4	Bromomethane	94	1.191	1.194	(0.285)	25612	20.0000	20.0	
5	Chloroethane	64	1.233	1.234	(0.295)	29590	20.0000	20.0	
6	Trichlorofluoromethane	101	1.351	1.348	(0.324)	65487	20.0000	21.1	
7	Diethyl ether	74	1.474	1.477	(0.353)	18793	20.0000	19.6	
8	1,2-dichlorotrifluoroethane	67	1.490	1.493	(0.357)	42620	20.0000	18.5	
9	Acrolein	56	1.543	1.551	(0.370)	31743	400.000	369	
10	1,1,2trichlorotrifluoroethane	101	1.597	1.600	(0.382)	39335	20.0000	20.8	
11	1,1-Dichloroethene	96	1.602	1.602	(0.384)	31336	20.0000	20.5	
12	Acetone	43	1.613	1.613	(0.386)	27773	100.000	88.0	
13	Iodomethane	142	1.687	1.690	(0.404)	75699	40.0000	44.1	
14	Carbon Disulfide	76	1.735	1.736	(0.416)	112797	20.0000	18.9	
15	Methyl Acetate	43	1.784	1.784	(0.427)	21835	20.0000	19.7	
16	allyl chloride	41	1.800	1.797	(0.431)	114771	40.0000	42.4	
17	Acetonitrile	39	1.800	1.797	(0.431)	81706	20.0000	19.8	
18	Methylene Chloride	84	1.874	1.872	(0.449)	34124	20.0000	18.1	
19	tert-Butyl Alcohol	59	1.912	1.917	(0.458)	5164	40.0000	39.1(M)	WP
20	Acrylonitrile	53	2.008	2.008	(0.481)	31435	80.0000	81.9	
21	Methyl-tert-butyl ether	73	2.035	2.037	(0.487)	83445	20.0000	19.9	
22	1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	36392	20.0000	20.7	
23	n-Hexane	57	2.232	2.233	(0.535)	64096	20.0000	19.7	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.339	2.339	(0.560)	211815	80.0000	79.1	
	25 1,1-Dichloroethane	63	2.350	2.350	(0.563)	60821	20.0000	20.3	
	26 Chloroprene	53	2.408	2.409	(0.577)	59709	20.0000	20.7	
	27 2-Butanone	72	2.814	2.809	(0.674)	12181	100.000	97.1(Q)	
	28 1,2-Dichloroethene (cis)	96	2.825	2.828	(0.676)	36699	20.0000	20.5	
	29 2,2-Dichloropropane	77	2.825	2.831	(0.676)	52956	20.0000	19.1	
	30 Propionitrile	54	2.873	2.868	(0.688)	2743	20.0000	17.9(Q)	
	31 Methacrylonitrile	41	3.017	3.012	(0.723)	12476	20.0000	20.0	
	32 Bromochloromethane	49	3.060	3.060	(0.733)	23865	20.0000	20.2	
	33 Tetrahydrofuran	42	3.087	3.082	(0.739)	7433	20.0000	21.0	
	34 Chloroform	83	3.167	3.175	(0.758)	59309	20.0000	19.8	
$	35 Dibromofluoromethane (S)	113	3.343	3.341	(0.801)	80959	50.0000	49.9	
	36 1,1,1-Trichloroethane	97	3.348	3.346	(0.802)	57463	20.0000	20.2	
	37 Cyclohexane	56	3.429	3.432	(0.821)	56747	20.0000	19.1	
	151 n-Butyl chloride	56	3.493	3.493	(0.836)	79612	20.0000	20.3	
	38 Carbon Tetrachloride	117	3.525	3.530	(0.844)	48323	20.0000	19.7	
	39 1,1-Dichloropropene	75	3.535	3.536	(0.847)	47696	20.0000	19.7	
	40 Benzene	78	3.781	3.773	(0.905)	137921	20.0000	19.9	
	41 1,2-Dichloroethane	62	3.867	3.862	(0.926)	38557	20.0000	20.5	
	42 Isobutyl alcohol	43	3.952	3.958	(0.946)	29011	20.0000	19.3	
	43 2,2,4-Trimethylpentane	57	3.952	3.950	(0.946)	156537	20.0000	20.0	
*	44 Fluorobenzene (IS)	96	4.176	4.174	(1.000)	346360	50.0000		
	45 Trichloroethene	95	4.630	4.628	(1.109)	34556	20.0000	19.5	
	46 Methylcyclohexane	55	4.892	4.892	(1.171)	49360	20.0000	19.8	
	47 1,2-Dichloropropane	63	4.929	4.930	(1.180)	31616	20.0000	19.6	
	48 Methyl methacrylate	69	5.047	5.047	(1.208)	16927	20.0000	20.8	
	49 Dibromomethane	93	5.026	5.026	(1.203)	15969	20.0000	20.2	
	50 1,4-Dioxane	88	5.036	5.042	(1.206)	3931	400.000	393(Q)	
	51 Bromodichloromethane	83	5.250	5.250	(1.257)	41870	20.0000	20.2	
	52 2-Chloroethyl vinyl ether	63	5.602	5.608	(0.762)	30255	60.0000	43.3	
	53 cis-1,3-Dichloropropene	75	5.752	5.747	(0.783)	49877	20.0000	20.3	
	54 4-Methyl-2-Pentanone	43	5.923	5.923	(0.806)	104671	100.000	102	
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	327878	50.0000	49.2	
	56 Toluene	91	6.094	6.097	(0.829)	151387	20.0000	19.2	
	57 trans-1,3-Dichloropropene	75	6.382	6.383	(0.868)	41886	20.0000	20.4	
	58 Ethyl Methacrylate	69	6.468	6.468	(0.880)	32795	20.0000	19.6	
	59 1,1,2-Trichloroethane	83	6.564	6.564	(0.893)	19443	20.0000	20.2	
	60 Tetrachloroethene	166	6.623	6.625	(0.901)	39342	20.0000	19.9	
	61 1,3-Dichloropropane	76	6.708	6.708	(0.913)	39151	20.0000	20.3	
	62 2-Hexanone	43	6.777	6.778	(0.922)	71977	100.000	101	
	63 Dibromochloromethane	129	6.895	6.893	(0.938)	29191	20.0000	20.1	
	64 1,2-Dibromoethane	107	6.975	6.978	(0.949)	22669	20.0000	20.2	
*	65 Chlorobenzene-D5 (IS)	117	7.349	7.347	(1.000)	251961	50.0000		
	66 Chlorobenzene	112	7.365	7.368	(1.002)	94391	20.0000	19.7	
	67 1,1,1,2-Tetrachloroethane	131	7.445	7.443	(1.013)	33257	20.0000	20.1	
	68 Ethylbenzene	106	7.450	7.453	(1.014)	57005	20.0000	20.0	
	69 m&p-Xylene	106	7.547	7.549	(1.027)	137450	40.0000	39.8	
	70 o-Xylene	106	7.808	7.811	(1.062)	66066	20.0000	20.2	
	71 Styrene	104	7.824	7.827	(1.065)	109974	20.0000	20.3	
	72 Bromoform	173	7.942	7.942	(0.898)	16808	20.0000	19.1	
	73 Isopropylbenzene	105	8.054	8.057	(1.096)	181046	20.0000	20.2	
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.111)	117231	50.0000	49.1	
	75 Bromobenzene	77	8.246	8.244	(1.122)	57274	20.0000	19.5	
	76 1,1,2,2-Tetrachloroethane	83	8.257	8.254	(0.934)	27714	20.0000	20.2	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.278	8.273	(1.126)	7836	20.0000	20.1(Q)	
78	1,2,3-Trichloropropane	110	8.284	8.284	(0.937)	8385	20.0000	19.0	
79	n-Propylbenzene	91	8.310	8.313	(0.940)	205727	20.0000	19.6	
80	2-Chlorotoluene	91	8.364	8.361	(0.946)	117400	20.0000	19.9	
81	1,3,5-Trimethylbenzene	105	8.422	8.425	(0.953)	146748	20.0000	19.4	
82	4-Chlorotoluene	126	8.438	8.436	(0.955)	44116	20.0000	20.1	
83	tert-Butylbenzene	119	8.604	8.602	(0.973)	173409	20.0000	19.7	
84	1,2,4-Trimethylbenzene	105	8.636	8.639	(0.977)	149705	20.0000	19.7	
85	sec-Butylbenzene	105	8.727	8.730	(0.987)	199423	20.0000	19.9	
86	1,3-Dichlorobenzene	146	8.796	8.799	(0.995)	83459	20.0000	19.9	
87	p-Isopropyltoluene	119	8.812	8.815	(0.997)	174422	20.0000	20.0	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	131790	50.0000		
89	1,4-Dichlorobenzene	146	8.855	8.858	(1.002)	86755	20.0000	20.0	
90	n-Butylbenzene	91	9.031	9.034	(1.022)	155999	20.0000	20.0	
91	1,2-Dichlorobenzene	146	9.047	9.045	(1.024)	74768	20.0000	19.3	
92	1,2-Dibromo-3-chloropropane	155	9.459	9.459	(1.070)	4643	20.0000	18.8	
93	1,2,4-Trichlorobenzene	180	9.870	9.878	(1.117)	52616	20.0000	20.0	
94	Hexachlorobutadiene	225	9.934	9.929	(1.124)	29207	20.0000	20.0	
95	Naphthalene	128	10.009	10.022	(1.132)	109477	20.0000	19.8	
96	1,2,3-Trichlorobenzene	180	10.126	10.135	(1.146)	45653	20.0000	19.4	
97	2,methyl-naphthalene	142	10.644	10.658	(1.204)	71381	20.0000	19.4	
98	1-Methylnaphthalene	142	10.757	10.770	(1.217)	61675	20.0000	19.4	
99	Isopropyl Acetate	61	1.602	1.602	(0.384)	50104	100.000	100	
100	Ethyl Acetate	88	2.408	2.409	(0.577)	30481	200.000	188	
101	n-amyl Acetate	70	8.257	8.257	(1.977)	252	20.0000	21.0(QM)	NI

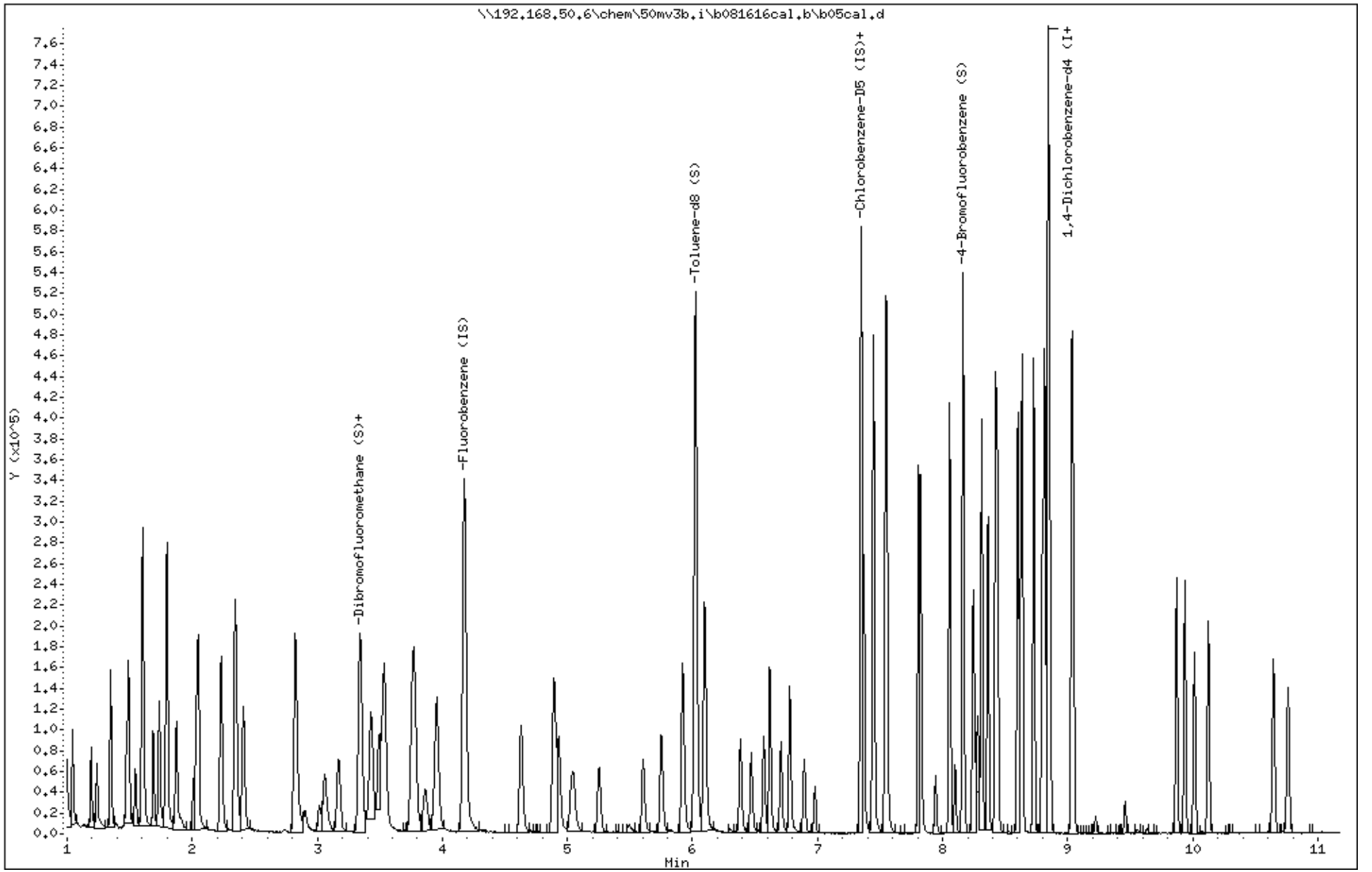
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

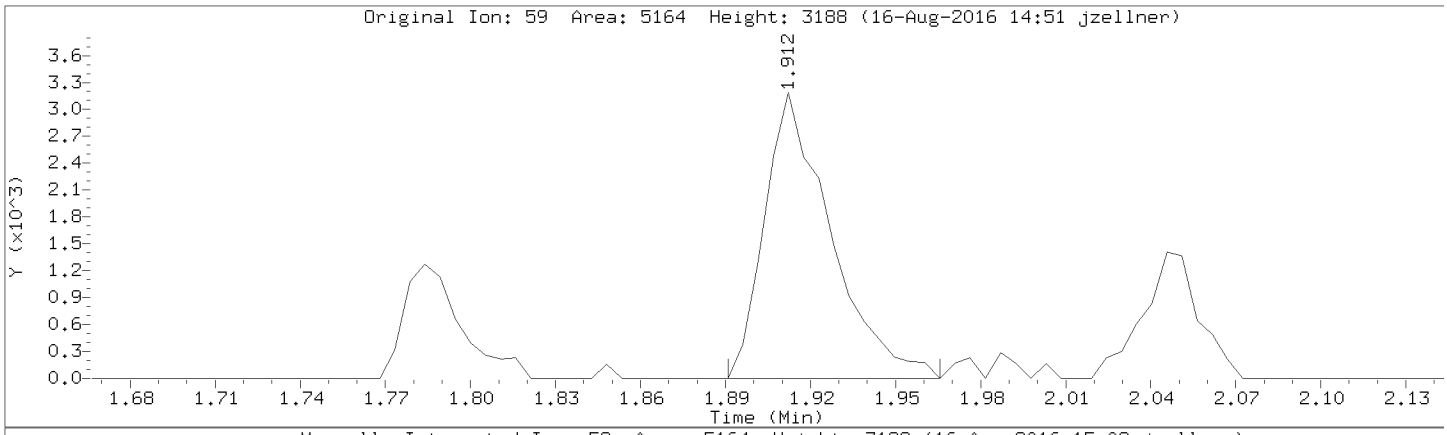
:
WP: Indicates that the wrong peak was chosen by the data system.
NI: Indicates that the peak was not integrated at all by the computer software.

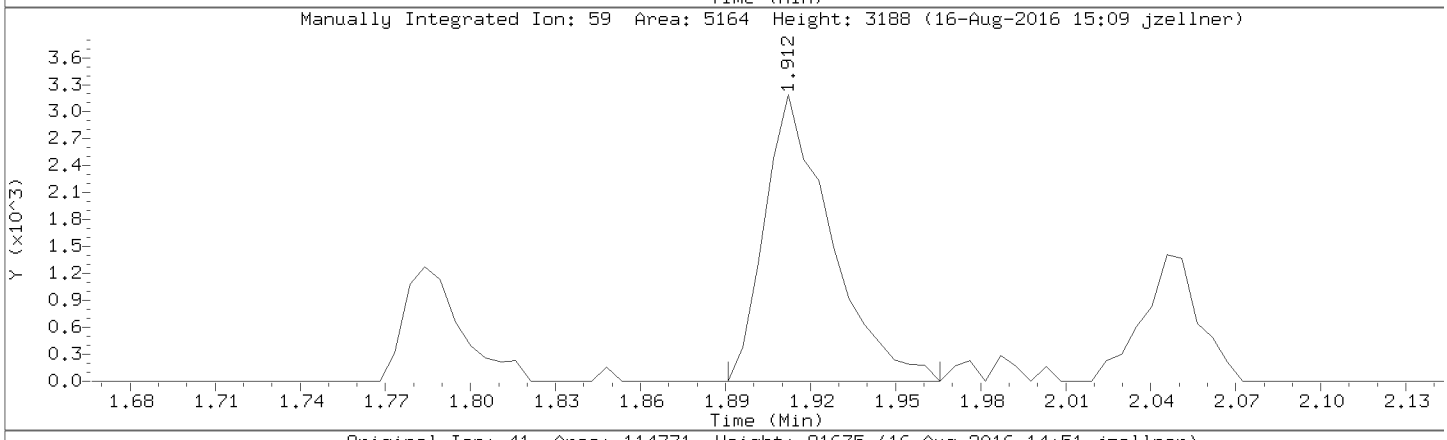
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b05cal.d
Date : 16-AUG-2016 12:44
Client ID:
Instrument: 50mv3b.i
Sample Info: 8260-CAL5,128591:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18

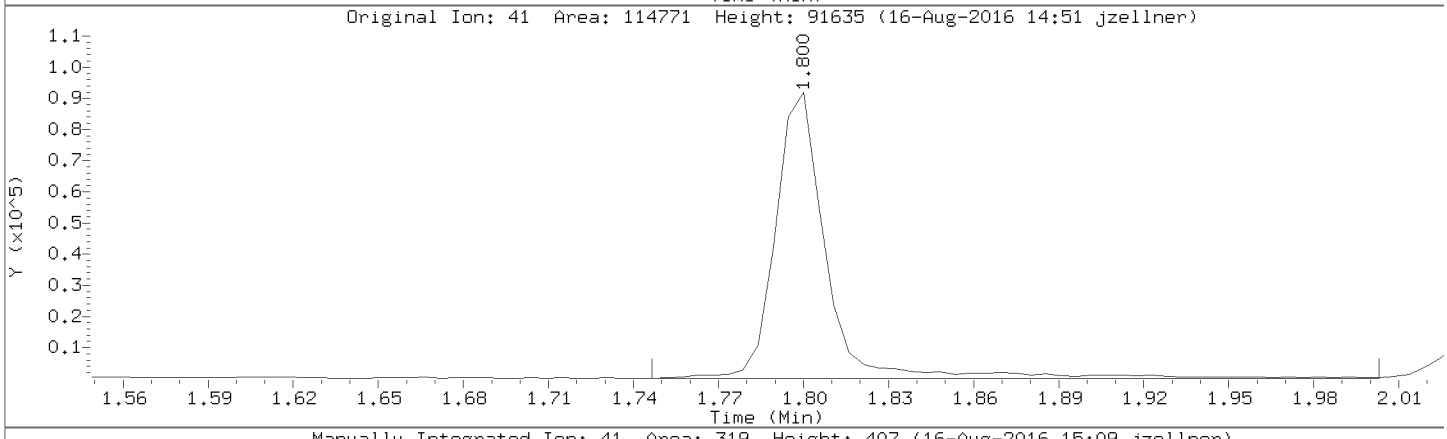


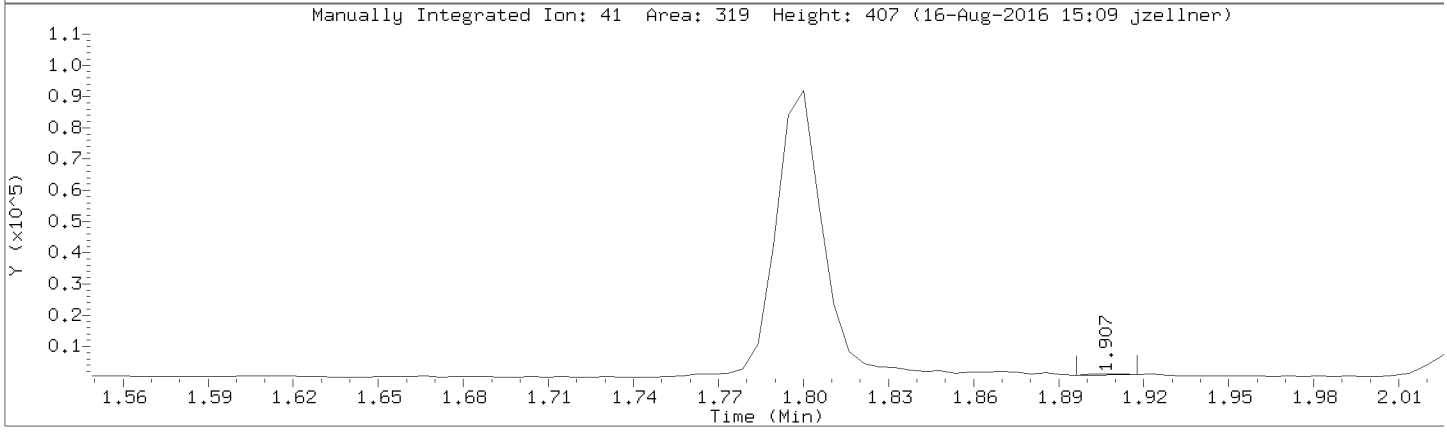
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b05cal.d
Injection Date: 16-AUG-2016 12:44
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL5,128591:0

Compound: tert-Butyl Alcohol Review Code: WP
CAS Number: 75-65-0



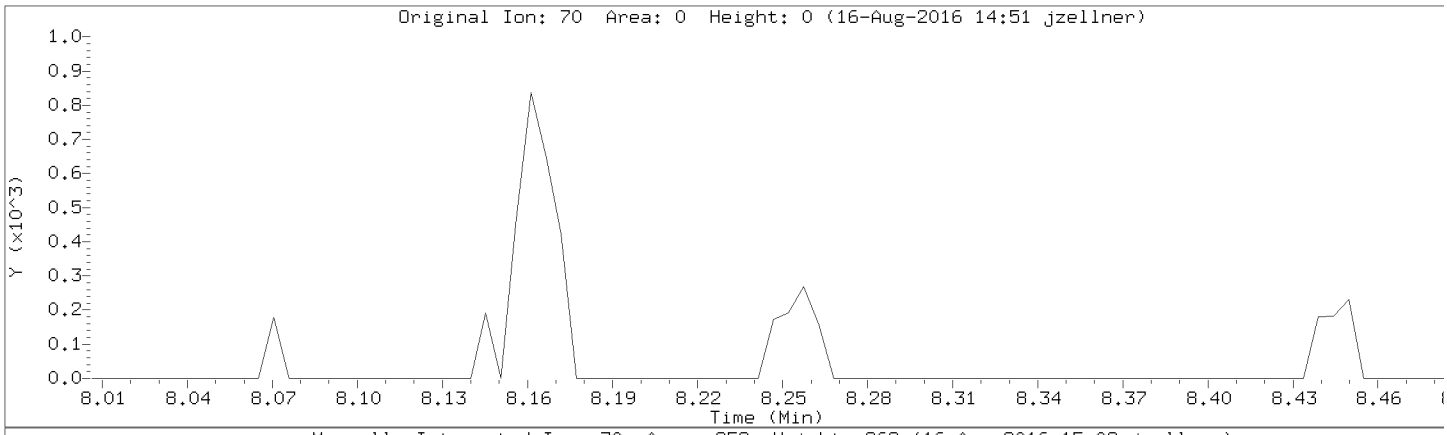


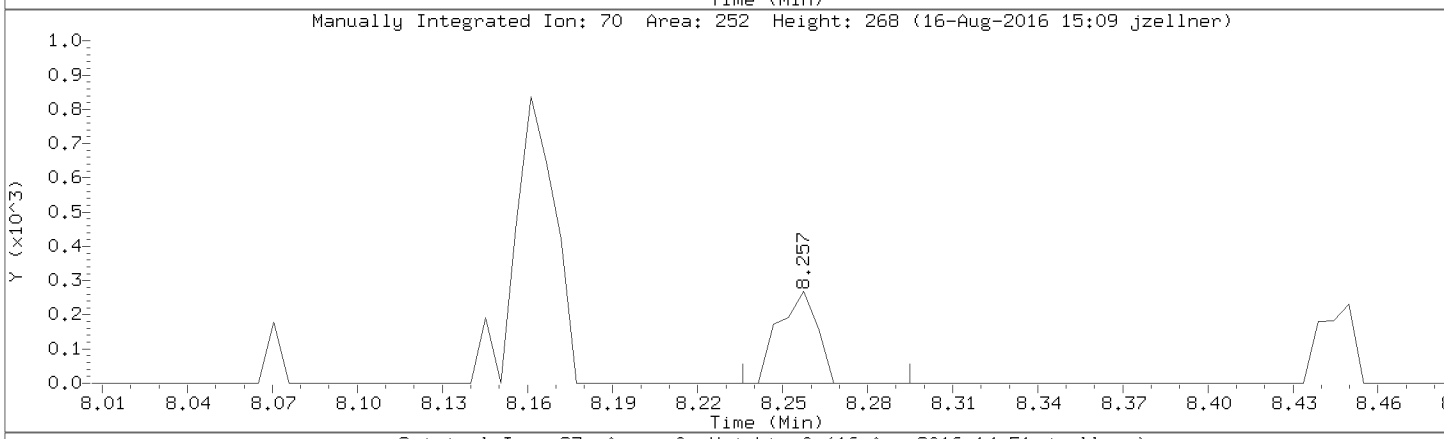


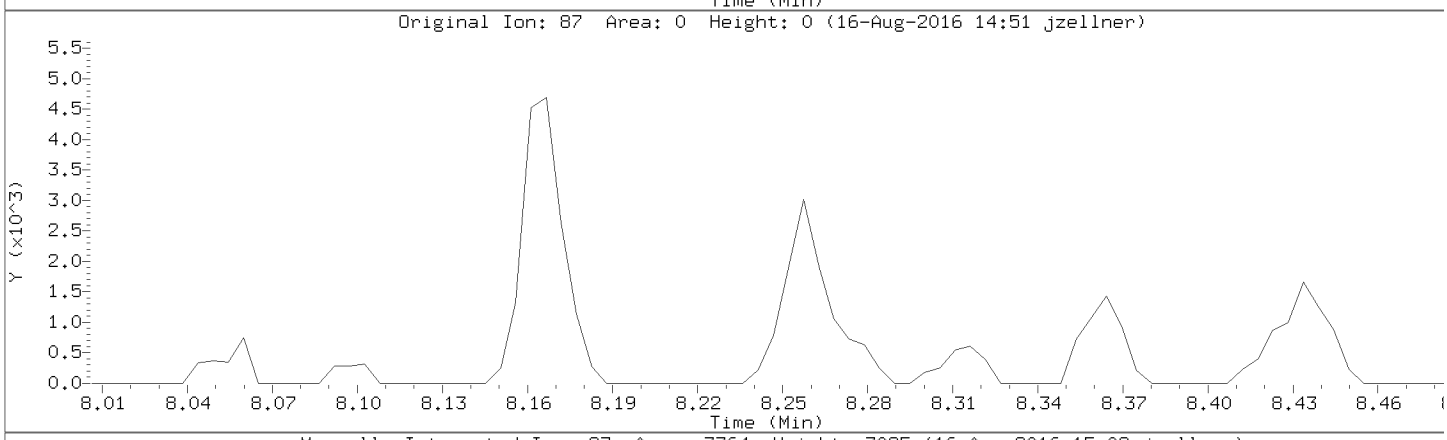


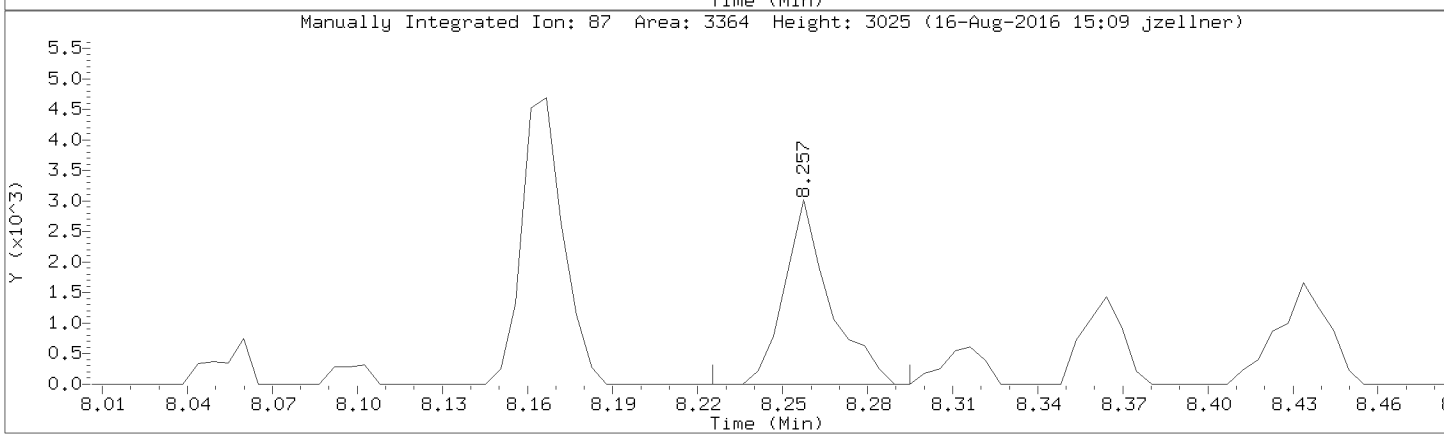
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b05cal.d
Injection Date: 16-AUG-2016 12:44
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL5,128591:0

Compound: n-amyl Acetate Review Code: NI
CAS Number: 628-63-7

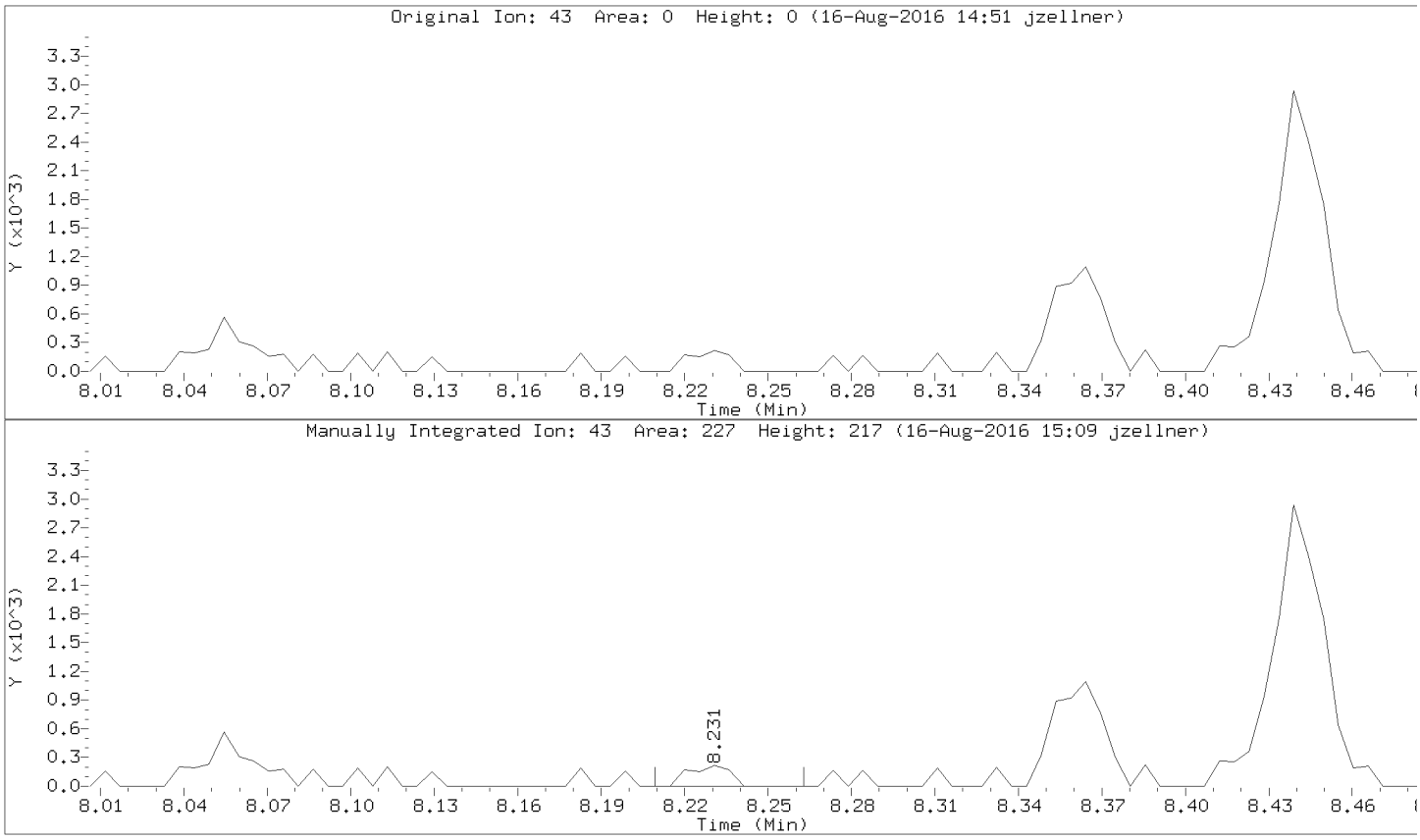








Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b05cal.d
Injection Date: 16-AUG-2016 12:44
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL5,128591:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b06cal.d
Lab Smp Id: 8260-CAL6,128592:0
Inj Date : 16-AUG-2016 13:16
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal6,128592:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 13:16 Cal File: b06cal.d
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.917	0.913	(0.220)	131223	50.0000	49.5	
2	Chloromethane	50	0.997	0.996	(0.239)	127219	50.0000	45.0	
3	Vinyl Chloride	62	1.045	1.044	(0.250)	132299	50.0000	51.1	
4	Bromomethane	94	1.190	1.194	(0.285)	66057	50.0000	51.2	
5	Chloroethane	64	1.238	1.234	(0.296)	76830	50.0000	51.4	
6	Trichlorofluoromethane	101	1.350	1.348	(0.323)	159212	50.0000	50.8	
7	Diethyl ether	74	1.473	1.477	(0.353)	46736	50.0000	48.3	
8	1,2-dichlorotrifluoroethane	67	1.489	1.493	(0.357)	100819	50.0000	43.4	
9	Acrolein	56	1.547	1.551	(0.371)	84537	1000.00	972	
10	1,1,2trichlorotrifluoroethane	101	1.601	1.600	(0.383)	97751	50.0000	51.1	
11	1,1-Dichloroethene	96	1.601	1.602	(0.383)	78389	50.0000	50.7	
12	Acetone	43	1.612	1.613	(0.386)	74555	250.000	234	
13	Iodomethane	142	1.692	1.690	(0.405)	202971	100.000	117	
14	Carbon Disulfide	76	1.740	1.736	(0.417)	274828	50.0000	45.5	
15	Methyl Acetate	43	1.782	1.784	(0.427)	53400	50.0000	47.7	
16	allyl chloride	41	1.798	1.797	(0.431)	277426	100.000	101	
17	Acetonitrile	39	1.798	1.797	(0.431)	215810	50.0000	51.7	
18	Methylene Chloride	84	1.873	1.872	(0.449)	81691	50.0000	42.9	
19	tert-Butyl Alcohol	59	1.911	1.917	(0.458)	13069	100.000	98.0(M)	GT
20	Acrylonitrile	53	2.007	2.008	(0.481)	77438	200.000	200	
21	Methyl-tert-butyl ether	73	2.034	2.037	(0.487)	214095	50.0000	50.4	
22	1,2-Dichloroethene (trans)	96	2.044	2.048	(0.490)	87814	50.0000	49.4	
23	n-Hexane	57	2.231	2.233	(0.534)	156387	50.0000	47.6	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.338	2.339	(0.560)	551319	200.000	204	
	25 1,1-Dichloroethane	63	2.349	2.350	(0.563)	152928	50.0000	50.6	
	26 Chloroprene	53	2.407	2.409	(0.577)	149643	50.0000	51.2	
	27 2-Butanone	72	2.808	2.809	(0.673)	31478	250.000	248	
	28 1,2-Dichloroethene (cis)	96	2.824	2.828	(0.676)	93692	50.0000	51.7	
	29 2,2-Dichloropropane	77	2.829	2.831	(0.678)	140877	50.0000	50.3	
	30 Propionitrile	54	2.867	2.868	(0.687)	7871	50.0000	50.9	
	31 Methacrylonitrile	41	3.016	3.012	(0.722)	32088	50.0000	51.0	
	32 Bromochloromethane	49	3.059	3.060	(0.733)	58740	50.0000	49.3	
	33 Tetrahydrofuran	42	3.080	3.082	(0.738)	15417	50.0000	43.1	
	34 Chloroform	83	3.166	3.175	(0.758)	145363	50.0000	48.0	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	83013	50.0000	50.6	
	36 1,1,1-Trichloroethane	97	3.342	3.346	(0.800)	141868	50.0000	49.4	
	37 Cyclohexane	56	3.433	3.432	(0.822)	140217	50.0000	46.7	
	151 n-Butyl chloride	56	3.492	3.493	(0.836)	199582	50.0000	50.4	
	38 Carbon Tetrachloride	117	3.529	3.530	(0.845)	125274	50.0000	50.5	
	39 1,1-Dichloropropene	75	3.534	3.536	(0.847)	125746	50.0000	51.4	
	40 Benzene	78	3.775	3.773	(0.904)	338700	50.0000	48.3	
	41 1,2-Dichloroethane	62	3.860	3.862	(0.925)	94545	50.0000	49.8	
	42 Isobutyl alcohol	43	3.956	3.958	(0.948)	73155	50.0000	48.2	
	43 2,2,4-Trimethylpentane	57	3.956	3.950	(0.948)	393390	50.0000	49.8	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	350044	50.0000		
	45 Trichloroethene	95	4.629	4.628	(1.109)	90682	50.0000	50.6	
	46 Methylcyclohexane	55	4.891	4.892	(1.171)	121542	50.0000	48.2	
	47 1,2-Dichloropropane	63	4.928	4.930	(1.180)	79931	50.0000	48.9	
	48 Methyl methacrylate	69	5.046	5.047	(1.208)	43115	50.0000	52.5	
	49 Dibromomethane	93	5.024	5.026	(1.203)	40050	50.0000	50.0	
	50 1,4-Dioxane	88	5.041	5.042	(1.207)	10646	1000.00	906	
	51 Bromodichloromethane	83	5.249	5.250	(1.257)	101758	50.0000	48.5	
	52 2-Chloroethyl vinyl ether	63	5.601	5.608	(0.762)	75274	100.000	107	
	53 cis-1,3-Dichloropropene	75	5.751	5.747	(0.783)	124704	50.0000	50.6	
	54 4-Methyl-2-Pentanone	43	5.922	5.923	(0.806)	256014	250.000	248	
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	334579	50.0000	50.0	
	56 Toluene	91	6.098	6.097	(0.830)	375069	50.0000	47.3	
	57 trans-1,3-Dichloropropene	75	6.381	6.383	(0.868)	104571	50.0000	50.8	
	58 Ethyl Methacrylate	69	6.467	6.468	(0.880)	84086	50.0000	50.0	
	59 1,1,2-Trichloroethane	83	6.568	6.564	(0.894)	47405	50.0000	49.0	
	60 Tetrachloroethene	166	6.621	6.625	(0.901)	99913	50.0000	50.4	
	61 1,3-Dichloropropane	76	6.707	6.708	(0.913)	99262	50.0000	51.3	
	62 2-Hexanone	43	6.776	6.778	(0.922)	178476	250.000	249	
	63 Dibromochloromethane	129	6.894	6.893	(0.938)	74571	50.0000	51.1	
	64 1,2-Dibromoethane	107	6.974	6.978	(0.949)	56474	50.0000	50.0	
*	65 Chlorobenzene-D5 (IS)	117	7.348	7.347	(1.000)	253009	50.0000		
	66 Chlorobenzene	112	7.369	7.368	(1.003)	238025	50.0000	49.4	
	67 1,1,1,2-Tetrachloroethane	131	7.444	7.443	(1.013)	80938	50.0000	48.8	
	68 Ethylbenzene	106	7.449	7.453	(1.014)	141208	50.0000	49.2	
	69 m&p-Xylene	106	7.551	7.549	(1.028)	349396	100.000	101	
	70 o-Xylene	106	7.807	7.811	(1.063)	168282	50.0000	51.2	
	71 Styrene	104	7.823	7.827	(1.065)	277452	50.0000	50.9	
	72 Bromoform	173	7.946	7.942	(0.899)	45704	50.0000	51.2	
	73 Isopropylbenzene	105	8.053	8.057	(1.096)	460359	50.0000	51.0	
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.111)	123220	50.0000	51.4	
	75 Bromobenzene	77	8.245	8.244	(1.122)	145402	50.0000	49.4	
	76 1,1,2,2-Tetrachloroethane	83	8.256	8.254	(0.934)	69625	50.0000	50.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.277	8.273	(1.126)	20864	50.0000	53.4	
78	1,2,3-Trichloropropane	110	8.288	8.284	(0.937)	22044	50.0000	49.2	
79	n-Propylbenzene	91	8.315	8.313	(0.940)	528539	50.0000	49.6	
80	2-Chlorotoluene	91	8.363	8.361	(0.946)	294766	50.0000	49.2	
81	1,3,5-Trimethylbenzene	105	8.421	8.425	(0.952)	370605	50.0000	48.4	
82	4-Chlorotoluene	126	8.437	8.436	(0.954)	109208	50.0000	49.0	
83	tert-Butylbenzene	119	8.603	8.602	(0.973)	445598	50.0000	49.8	
84	1,2,4-Trimethylbenzene	105	8.635	8.639	(0.976)	374282	50.0000	48.6	
85	sec-Butylbenzene	105	8.731	8.730	(0.987)	508998	50.0000	50.1	
86	1,3-Dichlorobenzene	146	8.795	8.799	(0.995)	211650	50.0000	49.7	
87	p-Isopropyltoluene	119	8.817	8.815	(0.997)	442010	50.0000	50.0	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	133738	50.0000		
89	1,4-Dichlorobenzene	146	8.854	8.858	(1.001)	210193	50.0000	47.8	
90	n-Butylbenzene	91	9.036	9.034	(1.022)	398232	50.0000	50.4	
91	1,2-Dichlorobenzene	146	9.046	9.045	(1.023)	191804	50.0000	48.8	
92	1,2-Dibromo-3-chloropropane	155	9.463	9.459	(1.070)	12490	50.0000	49.8	
93	1,2,4-Trichlorobenzene	180	9.880	9.878	(1.117)	130005	50.0000	48.7	
94	Hexachlorobutadiene	225	9.944	9.929	(1.124)	74172	50.0000	50.2	
95	Naphthalene	128	10.018	10.022	(1.133)	275819	50.0000	49.1	
96	1,2,3-Trichlorobenzene	180	10.136	10.135	(1.146)	117648	50.0000	49.3	
97	2,methyl-naphthalene	142	10.654	10.658	(1.205)	185879	50.0000	49.8	
98	1-Methylnaphthalene	142	10.771	10.770	(1.218)	159055	50.0000	49.3	
99	Isopropyl Acetate	61	1.601	1.602	(0.383)	123027	250.000	244	
100	Ethyl Acetate	88	2.407	2.409	(0.577)	82248	500.000	502	
101	n-amyl Acetate	70	8.261	8.257	(1.978)	942	50.0000	78.9(M)	WP

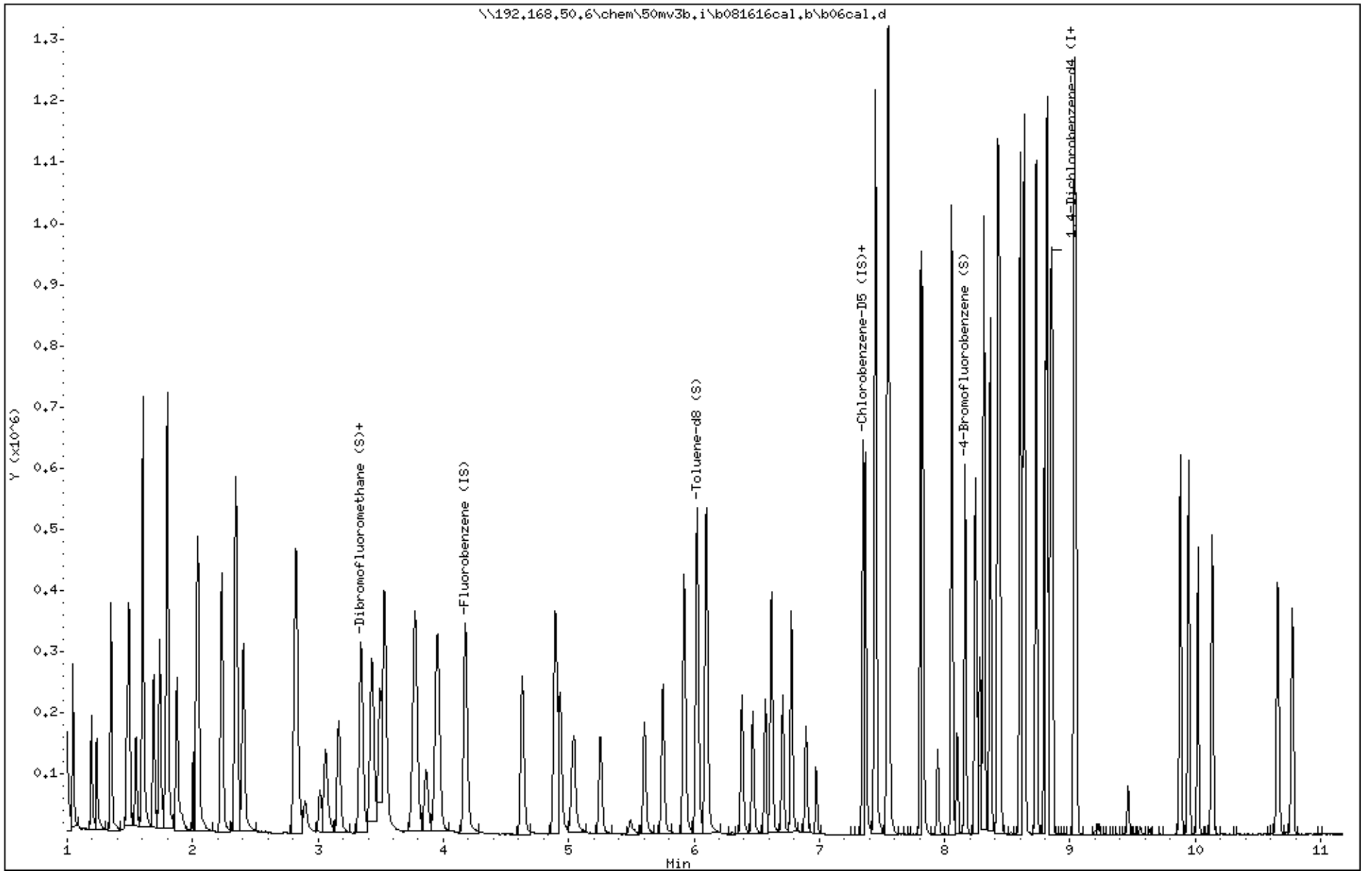
QC Flag Legend

M - Compound response manually integrated.

Review Codes Legend

:
GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b06cal.d
Date : 16-AUG-2016 13:16
Client ID:
Instrument: 50mv3b.i
Sample Info: 8260-CAL6,128592:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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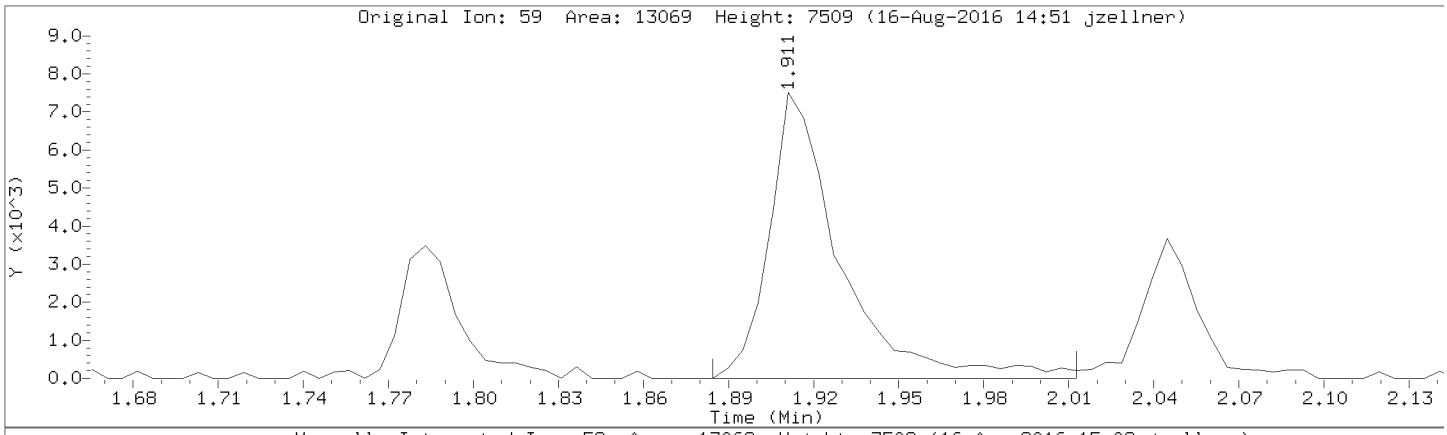
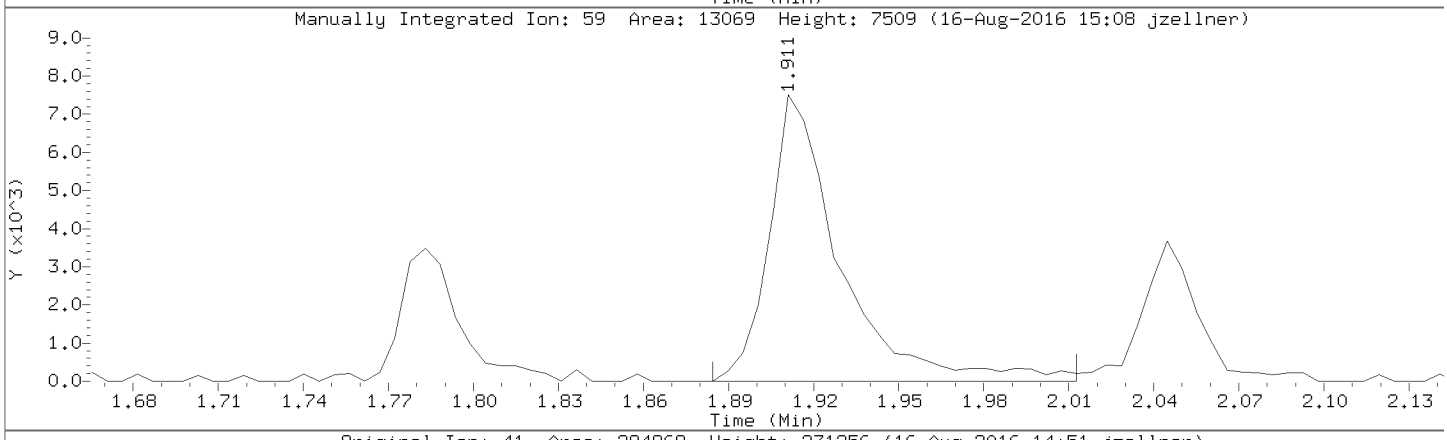
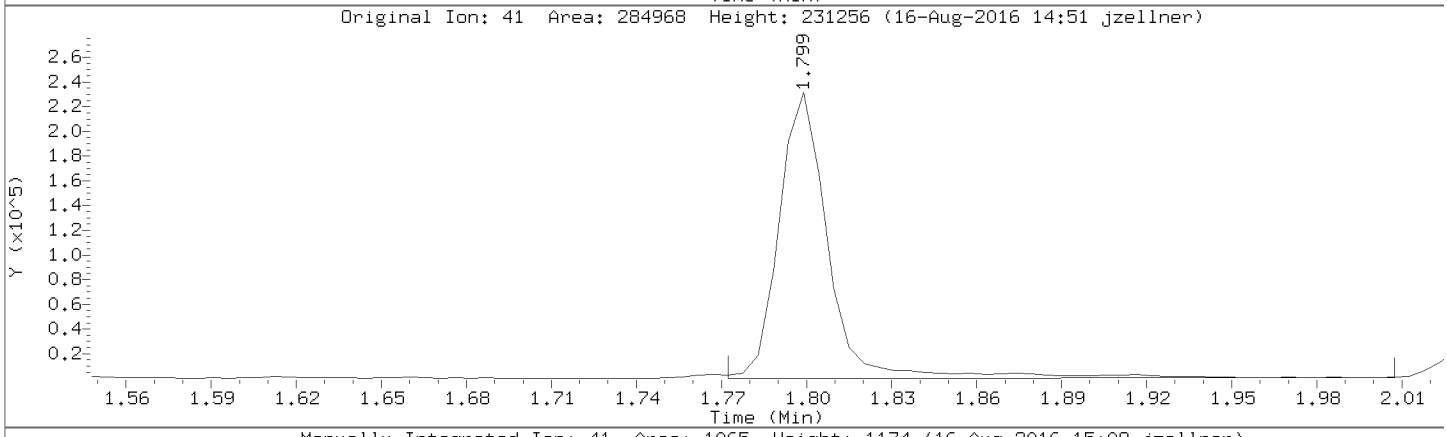
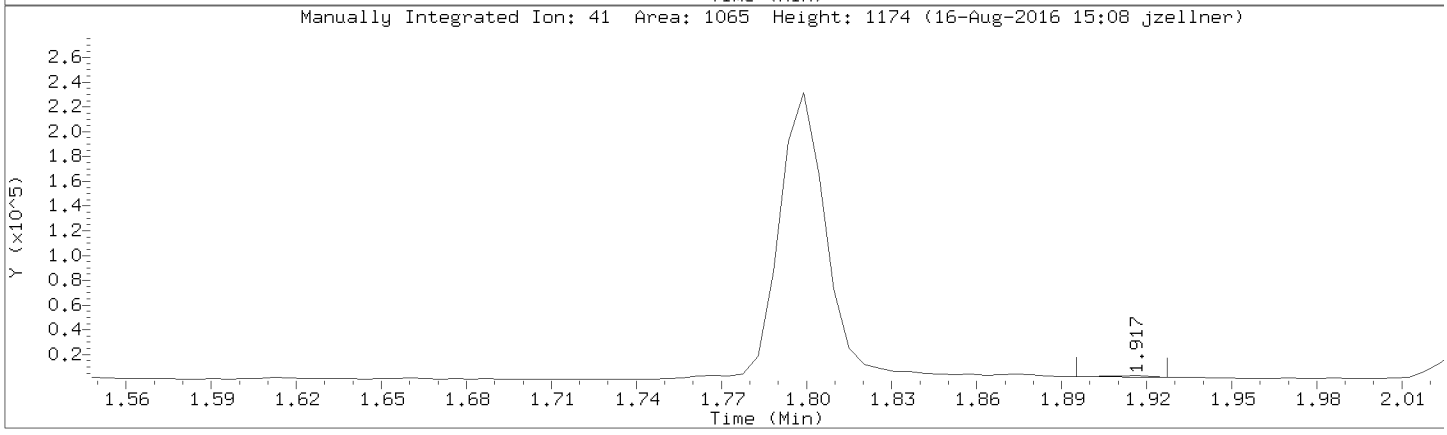
Injection Date: 16-AUG-2016 13:16
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL6,128592:0

Compound: tert-Butyl Alcohol Review Code: GT
CAS Number: 75-65-0



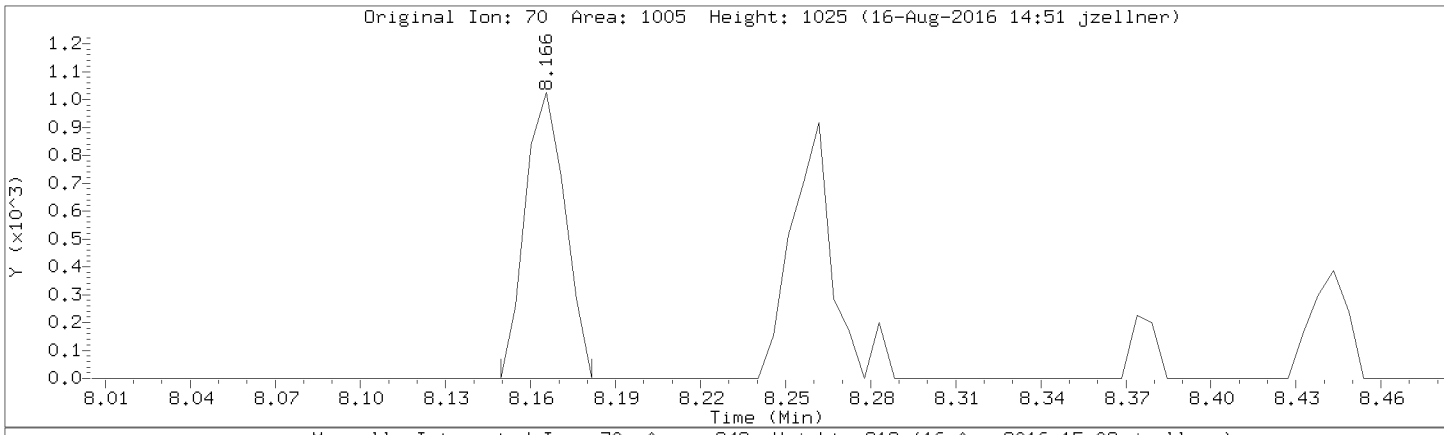


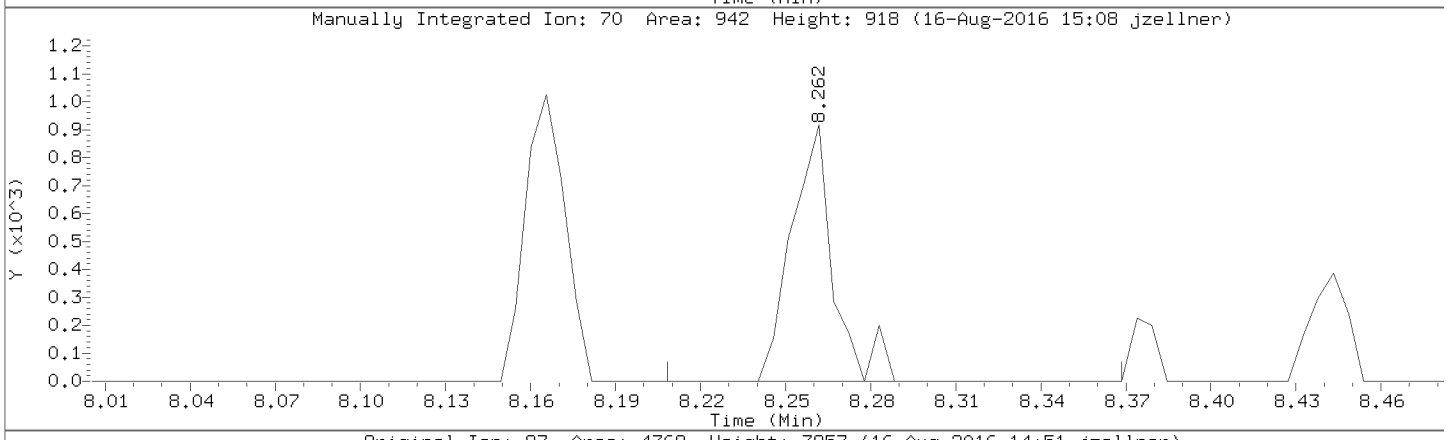


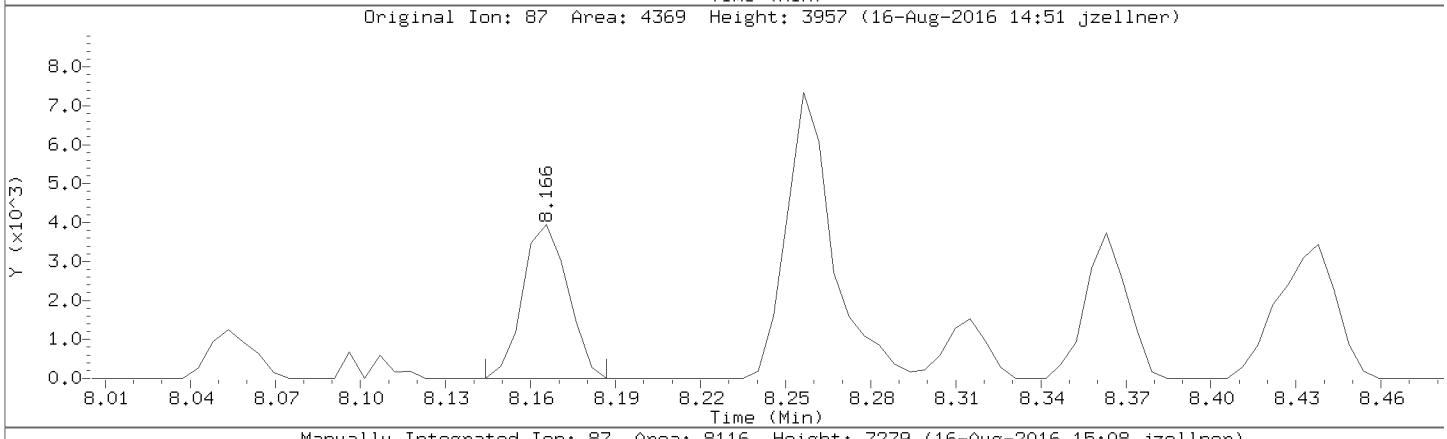


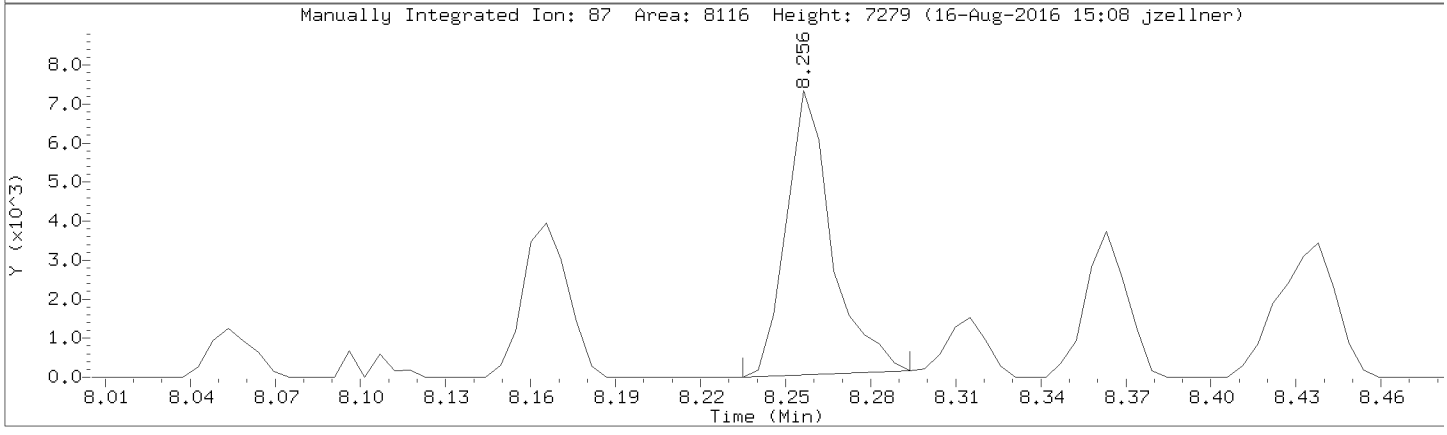
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b06cal.d
Injection Date: 16-AUG-2016 13:16
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL6,128592:0

Compound: n-amyl Acetate Review Code: WP
CAS Number: 628-63-7

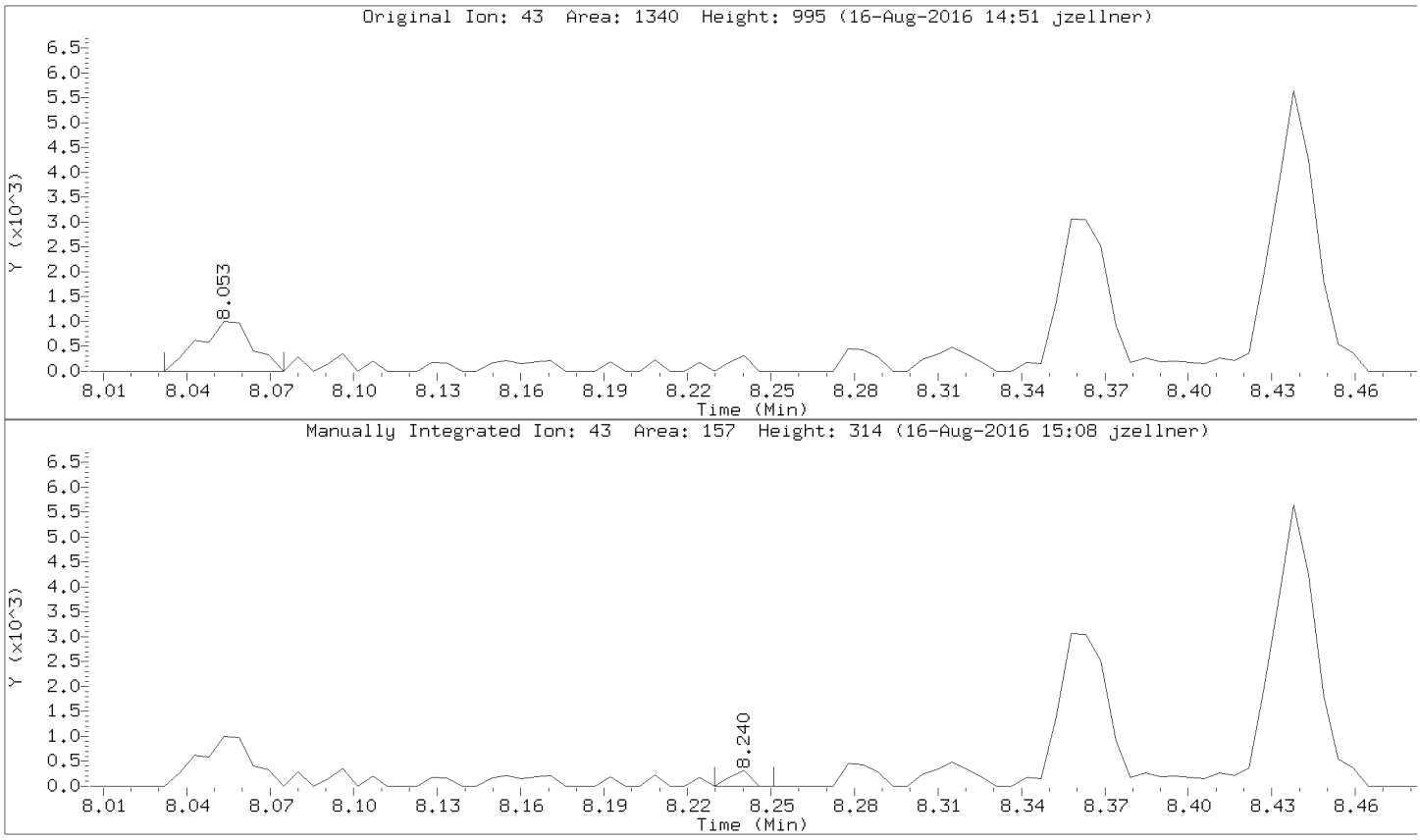








Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b06cal.d
Injection Date: 16-AUG-2016 13:16
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL6,128592:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b07cal.d
Lab Smp Id: 8260-CAL7,128593:0
Inj Date : 16-AUG-2016 13:48
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal7,128593:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 13:48 Cal File: b07cal.d
Als bottle: 16 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.912	0.913	(0.219)	419984	150.000	150	
2	Chloromethane	50	0.992	0.996	(0.238)	398037	150.000	133	
3	Vinyl Chloride	62	1.041	1.044	(0.249)	414289	150.000	151	
4	Bromomethane	94	1.185	1.194	(0.284)	224259	150.000	164	
5	Chloroethane	64	1.233	1.234	(0.295)	225222	150.000	142	
6	Trichlorofluoromethane	101	1.345	1.348	(0.322)	517988	150.000	156	
7	Diethyl ether	74	1.473	1.477	(0.353)	149618	150.000	146	
8	1,2-dichlorotrifluoroethane	67	1.489	1.493	(0.357)	327720	150.000	133	
9	Acrolein	56	1.543	1.551	(0.369)	255504	3000.00	2770	
10	1,1,2trichlorotrifluoroethane	101	1.596	1.600	(0.382)	309020	150.000	152	
11	1,1-Dichloroethene	96	1.601	1.602	(0.384)	248176	150.000	152	
12	Acetone	43	1.612	1.613	(0.386)	236388	750.000	700	
13	Iodomethane	142	1.687	1.690	(0.404)	634536	300.000	345	
14	Carbon Disulfide	76	1.735	1.736	(0.416)	865980	150.000	135	
15	Methyl Acetate	43	1.783	1.784	(0.427)	174402	150.000	147	
16	allyl chloride	41	1.794	1.797	(0.430)	886804	300.000	306	
17	Acetonitrile	39	1.794	1.797	(0.430)	655977	150.000	148	
18	Methylene Chloride	84	1.868	1.872	(0.448)	260177	150.000	129	
19	tert-Butyl Alcohol	59	1.911	1.917	(0.458)	44188	300.000	313(M)	GT
20	Acrylonitrile	53	2.007	2.008	(0.481)	251633	600.000	613	
21	Methyl-tert-butyl ether	73	2.034	2.037	(0.487)	694738	150.000	154	
22	1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	285768	150.000	152	
23	n-Hexane	57	2.232	2.233	(0.534)	502640	150.000	144	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.338	2.339	(0.560)	1834748	600.000	640	
	25 1,1-Dichloroethane	63	2.349	2.350	(0.563)	497133	150.000	153	
	26 Chloroprene	53	2.402	2.409	(0.575)	473728	150.000	150	
	27 2-Butanone	72	2.808	2.809	(0.673)	105924	750.000	779	
	28 1,2-Dichloroethene (cis)	96	2.824	2.828	(0.676)	301567	150.000	157	
	29 2,2-Dichloropropane	77	2.830	2.831	(0.678)	449591	150.000	152	
	30 Propionitrile	54	2.867	2.868	(0.687)	23076	150.000	144(Q)	
	31 Methacrylonitrile	41	3.011	3.012	(0.721)	108375	150.000	163	
	32 Bromochloromethane	49	3.059	3.060	(0.733)	187050	150.000	148	
	33 Tetrahydrofuran	42	3.075	3.082	(0.737)	49620	150.000	139	
	34 Chloroform	83	3.166	3.175	(0.758)	478675	150.000	149	
$	35 Dibromofluoromethane (S)	113	3.337	3.341	(0.799)	87405	50.0000	50.3	
	36 1,1,1-Trichloroethane	97	3.343	3.346	(0.800)	461412	150.000	152	
	37 Cyclohexane	56	3.428	3.432	(0.821)	458298	150.000	144	
	151 n-Butyl chloride	56	3.492	3.493	(0.836)	623039	150.000	149	
	38 Carbon Tetrachloride	117	3.529	3.530	(0.845)	405304	150.000	154	
	39 1,1-Dichloropropene	75	3.535	3.536	(0.847)	402909	150.000	155	
	40 Benzene	78	3.775	3.773	(0.904)	1094768	150.000	150	
	41 1,2-Dichloroethane	62	3.855	3.862	(0.923)	306219	150.000	149	
	42 Isobutyl alcohol	43	3.951	3.958	(0.946)	227947	150.000	148	
	43 2,2,4-Trimethylpentane	57	3.951	3.950	(0.946)	1264810	150.000	151	
*	44 Fluorobenzene (IS)	96	4.176	4.174	(1.000)	370716	50.0000		
	45 Trichloroethene	95	4.624	4.628	(1.107)	288968	150.000	152	
	46 Methylcyclohexane	55	4.891	4.892	(1.171)	403622	150.000	151	
	47 1,2-Dichloropropane	63	4.929	4.930	(1.180)	264933	150.000	155	
	48 Methyl methacrylate	69	5.046	5.047	(1.208)	139444	150.000	156	
	49 Dibromomethane	93	5.025	5.026	(1.203)	131220	150.000	155	
	50 1,4-Dioxane	88	5.036	5.042	(1.206)	38533	3000.00	3280	
	51 Bromodichloromethane	83	5.249	5.250	(1.257)	345397	150.000	154	
	52 2-Chloroethyl vinyl ether	63	5.602	5.608	(0.762)	251291	300.000	338	
	53 cis-1,3-Dichloropropene	75	5.746	5.747	(0.782)	415612	150.000	160	
	54 4-Methyl-2-Pentanone	43	5.922	5.923	(0.806)	870495	750.000	801	
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	354842	50.0000	50.4	
	56 Toluene	91	6.099	6.097	(0.830)	1218085	150.000	146	
	57 trans-1,3-Dichloropropene	75	6.382	6.383	(0.868)	345615	150.000	160	
	58 Ethyl Methacrylate	69	6.467	6.468	(0.880)	274517	150.000	152	
	59 1,1,2-Trichloroethane	83	6.569	6.564	(0.894)	154572	150.000	152	
	60 Tetrachloroethene	166	6.622	6.625	(0.901)	325583	150.000	156	
	61 1,3-Dichloropropane	76	6.707	6.708	(0.913)	318334	150.000	154	
	62 2-Hexanone	43	6.777	6.778	(0.922)	584734	750.000	778	
	63 Dibromochloromethane	129	6.894	6.893	(0.938)	247332	150.000	161	
	64 1,2-Dibromoethane	107	6.974	6.978	(0.949)	186572	150.000	157	
*	65 Chlorobenzene-D5 (IS)	117	7.348	7.347	(1.000)	265945	50.0000		
	66 Chlorobenzene	112	7.370	7.368	(1.003)	753724	150.000	149	
	67 1,1,1,2-Tetrachloroethane	131	7.444	7.443	(1.013)	272936	150.000	156	
	68 Ethylbenzene	106	7.450	7.453	(1.014)	455149	150.000	151	
	69 m&p-Xylene	106	7.551	7.549	(1.028)	1100909	300.000	302	
	70 o-Xylene	106	7.813	7.811	(1.063)	520364	150.000	151	
	71 Styrene	104	7.829	7.827	(1.065)	881141	150.000	154	
	72 Bromoform	173	7.947	7.942	(0.899)	152652	150.000	162	
	73 Isopropylbenzene	105	8.053	8.057	(1.096)	1456494	150.000	154	
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.111)	127923	50.0000	50.7	
	75 Bromobenzene	77	8.246	8.244	(1.122)	470506	150.000	152	
	76 1,1,2,2-Tetrachloroethane	83	8.256	8.254	(0.934)	225465	150.000	154	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
77 trans-1,4-Dichloro-2-butene	53	8.278	8.273	(1.126)	66149	150.000	157	
78 1,2,3-Trichloropropane	110	8.283	8.284	(0.937)	71868	150.000	154	
79 n-Propylbenzene	91	8.315	8.313	(0.940)	1704228	150.000	152	
80 2-Chlorotoluene	91	8.363	8.361	(0.946)	949179	150.000	151	
81 1,3,5-Trimethylbenzene	105	8.422	8.425	(0.952)	1196252	150.000	148	
82 4-Chlorotoluene	126	8.438	8.436	(0.954)	349491	150.000	149	
83 tert-Butylbenzene	119	8.603	8.602	(0.973)	1433117	150.000	152	
84 1,2,4-Trimethylbenzene	105	8.636	8.639	(0.976)	1196368	150.000	148	
85 sec-Butylbenzene	105	8.732	8.730	(0.987)	1639262	150.000	153	
86 1,3-Dichlorobenzene	146	8.796	8.799	(0.995)	668226	150.000	149	
87 p-Isopropyltoluene	119	8.817	8.815	(0.997)	1395089	150.000	150	
* 88 1,4-Dichlorobenzene-d4 (IS)	152	8.844	8.842	(1.000)	140673	50.0000		
89 1,4-Dichlorobenzene	146	8.854	8.858	(1.001)	666226	150.000	144	
90 n-Butylbenzene	91	9.031	9.034	(1.021)	1249483	150.000	150	
91 1,2-Dichlorobenzene	146	9.047	9.045	(1.023)	606223	150.000	147	
92 1,2-Dibromo-3-chloropropane	155	9.458	9.459	(1.069)	40234	150.000	154	
93 1,2,4-Trichlorobenzene	180	9.869	9.878	(1.116)	405810	150.000	145	
94 Hexachlorobutadiene	225	9.933	9.929	(1.123)	231615	150.000	149	
95 Naphthalene	128	10.008	10.022	(1.132)	867818	150.000	147	
96 1,2,3-Trichlorobenzene	180	10.126	10.135	(1.145)	365388	150.000	146	
97 2,methyl-naphthalene	142	10.638	10.658	(1.203)	576763	150.000	147	
98 1-Methylnaphthalene	142	10.756	10.770	(1.216)	497726	150.000	146	
99 Isopropyl Acetate	61	1.601	1.602	(0.384)	403509	750.000	755	
100 Ethyl Acetate	88	2.402	2.409	(0.575)	261070	1500.00	1500(Q)	
101 n-amyl Acetate	70	8.262	8.257	(1.978)	2199	150.000	168(TQ)	

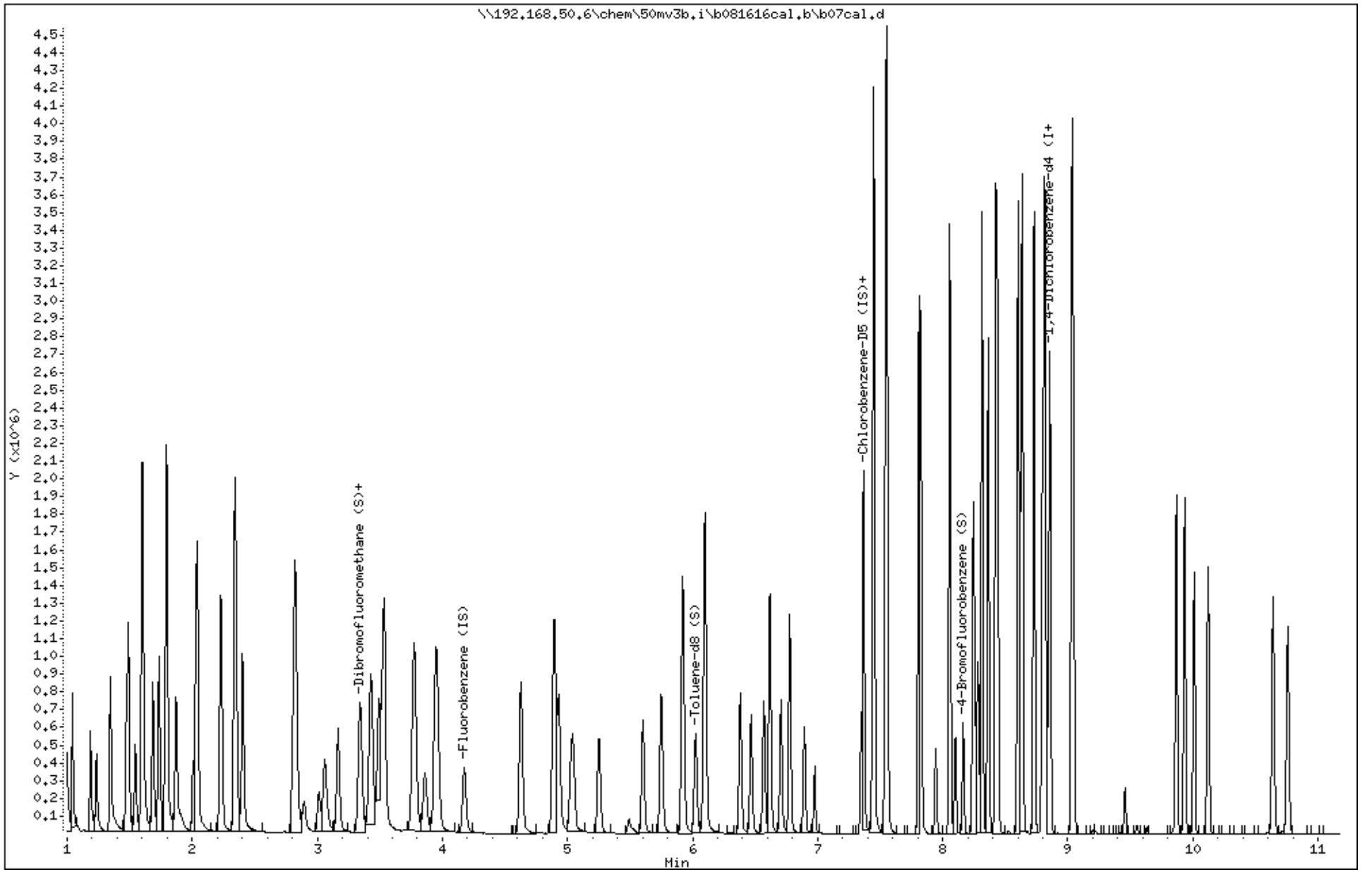
QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

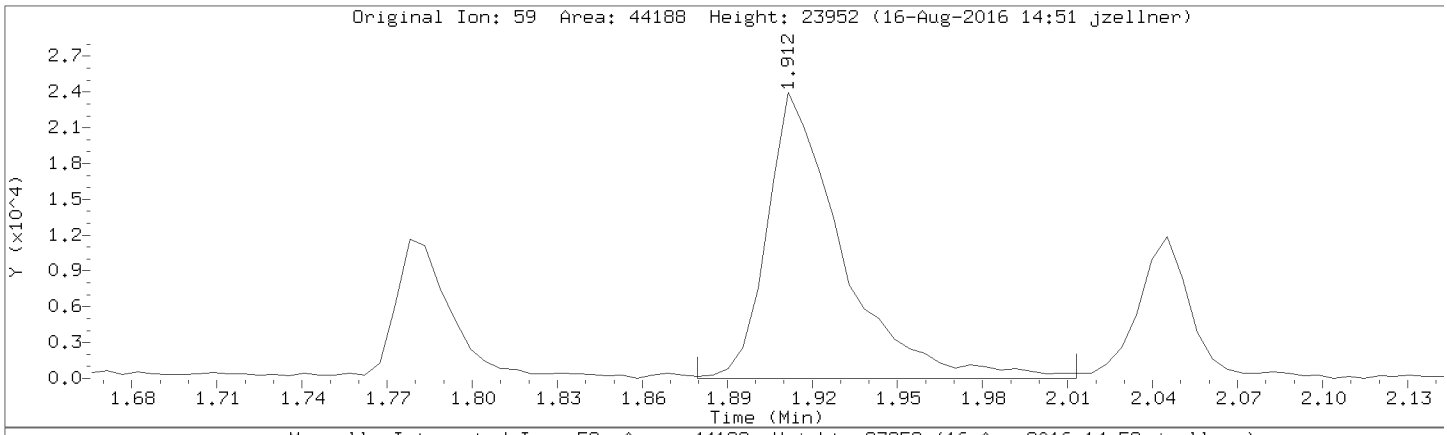
:
GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).

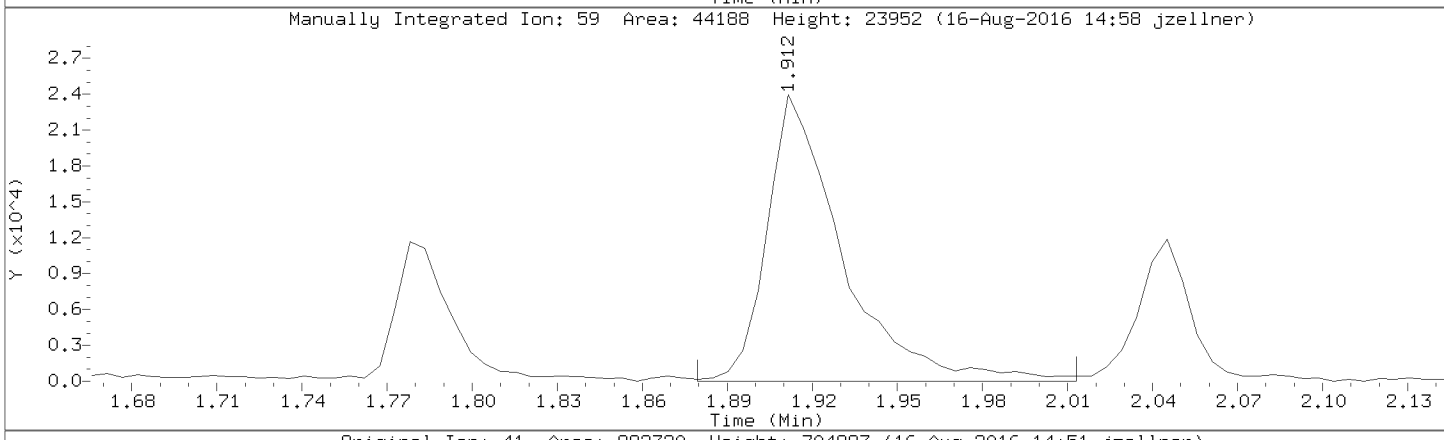
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b07cal.d
Date : 16-AUG-2016 13:48
Client ID:
Instrument: 50mv3b.i
Sample Info: 8260-CAL7,128593:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18

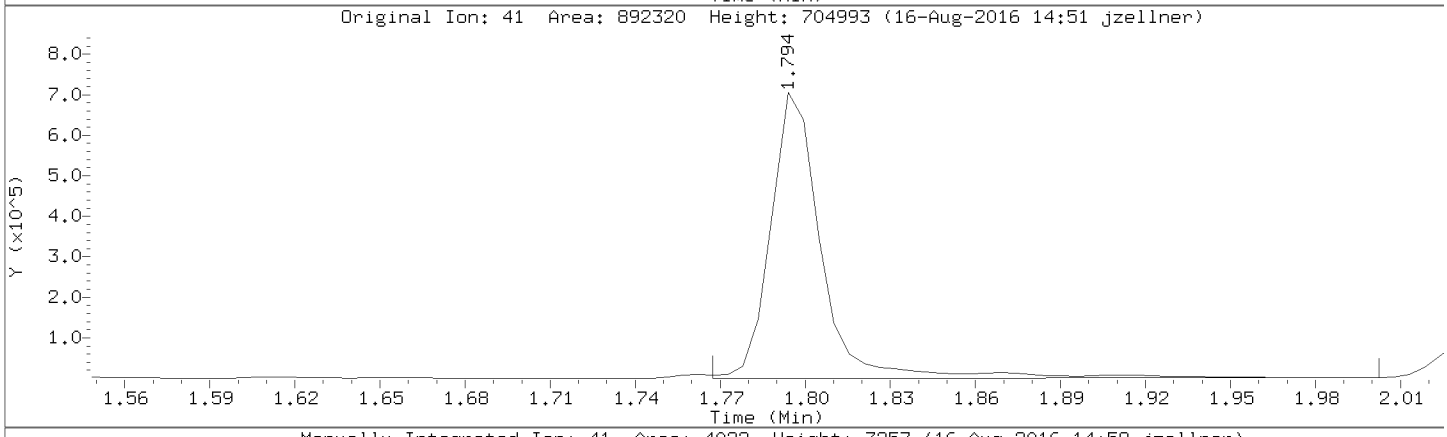


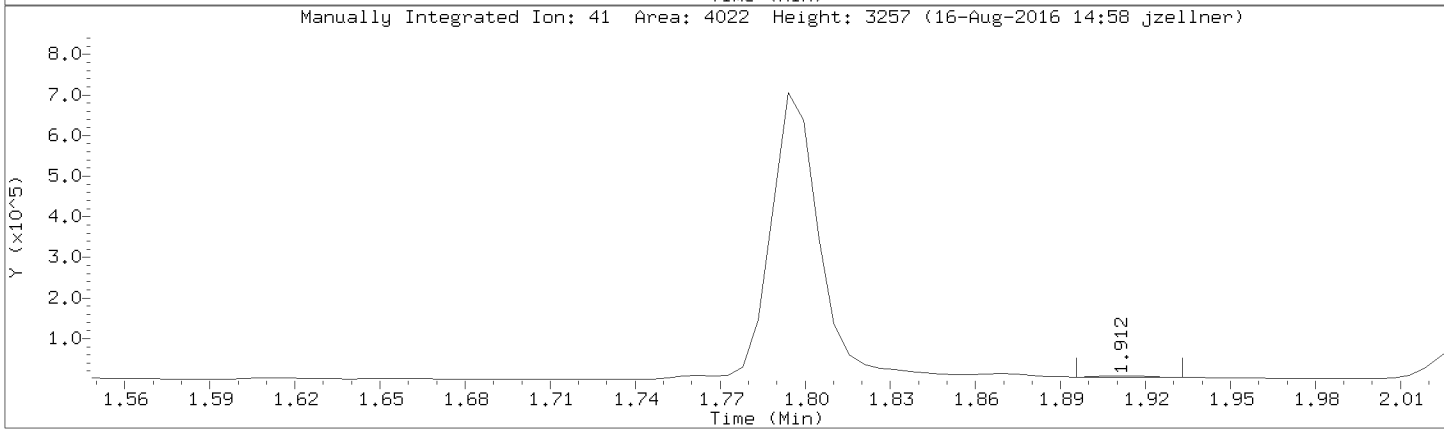
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b07cal.d
Injection Date: 16-AUG-2016 13:48
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL7,128593:0

Compound: tert-Butyl Alcohol Review Code: GT
CAS Number: 75-65-0









Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b08cal.d
Lab Smp Id: 8260-CAL8,128594:0
Inj Date : 16-AUG-2016 14:20
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-cal8,128594:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 14:20 Cal File: b08cal.d
Als bottle: 18 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.916	0.913	(0.220)	846925	300.000	296	
2	Chloromethane	50	0.997	0.996	(0.239)	891153	300.000	292	
3	Vinyl Chloride	62	1.045	1.044	(0.250)	829826	300.000	297	
4	Bromomethane	94	1.184	1.194	(0.284)	429021	300.000	308	
5	Chloroethane	64	1.226	1.234	(0.294)	437767	300.000	271	
6	Trichlorofluoromethane	101	1.344	1.348	(0.322)	1048642	300.000	310	
7	Diethyl ether	74	1.472	1.477	(0.353)	319207	300.000	305	
8	1,2-dichlorotrifluoroethane	67	1.488	1.493	(0.356)	677676	300.000	270(M)	GT
9	Acrolein	56	1.541	1.551	(0.369)	536265	6000.00	5710	
10	1,1,2trichlorotrifluoroethane	101	1.595	1.600	(0.382)	677829	300.000	328	
11	1,1-Dichloroethene	96	1.600	1.602	(0.383)	538382	300.000	322	
12	Acetone	43	1.611	1.613	(0.386)	497366	1500.00	1440	
13	Iodomethane	142	1.686	1.690	(0.404)	1244912	600.000	664	
14	Carbon Disulfide	76	1.734	1.736	(0.415)	1842047	300.000	282	
15	Methyl Acetate	43	1.782	1.784	(0.427)	366007	300.000	303	
16	allyl chloride	41	1.792	1.797	(0.429)	1733430	600.000	587	
17	Acetonitrile	39	1.792	1.797	(0.429)	1315823	300.000	292	
18	Methylene Chloride	84	1.867	1.872	(0.447)	555159	300.000	270	
19	tert-Butyl Alcohol	59	1.921	1.917	(0.460)	87597	600.000	608(Q)	
20	Acrylonitrile	53	2.006	2.008	(0.481)	525320	1200.00	1250	
21	Methyl-tert-butyl ether	73	2.033	2.037	(0.487)	1495012	300.000	326	
22	1,2-Dichloroethene (trans)	96	2.043	2.048	(0.490)	608911	300.000	317	
23	n-Hexane	57	2.230	2.233	(0.534)	1083981	300.000	306	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.337	2.339	(0.560)	3834134	1200.00	1310	
	25 1,1-Dichloroethane	63	2.348	2.350	(0.562)	1057044	300.000	319	
	26 Chloroprene	53	2.401	2.409	(0.575)	1021310	300.000	316	
	27 2-Butanone	72	2.807	2.809	(0.672)	224103	1500.00	1620	
	28 1,2-Dichloroethene (cis)	96	2.823	2.828	(0.676)	654186	300.000	334	
	29 2,2-Dichloropropane	77	2.829	2.831	(0.678)	971953	300.000	321	
	30 Propionitrile	54	2.866	2.868	(0.687)	55157	300.000	338(Q)	
	31 Methacrylonitrile	41	3.010	3.012	(0.721)	227109	300.000	334	
	32 Bromochloromethane	49	3.058	3.060	(0.733)	378987	300.000	295	
	33 Tetrahydrofuran	42	3.074	3.082	(0.736)	107581	300.000	295	
	34 Chloroform	83	3.165	3.175	(0.758)	1021461	300.000	312	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	89864	50.0000	50.7	
	36 1,1,1-Trichloroethane	97	3.341	3.346	(0.800)	992879	300.000	320	
	37 Cyclohexane	56	3.427	3.432	(0.821)	974549	300.000	301	
	151 n-Butyl chloride	56	3.491	3.493	(0.836)	1347135	300.000	315	
	38 Carbon Tetrachloride	117	3.528	3.530	(0.845)	873794	300.000	326	
	39 1,1-Dichloropropene	75	3.534	3.536	(0.846)	862960	300.000	326	
	40 Benzene	78	3.774	3.773	(0.904)	2357276	300.000	316	
	41 1,2-Dichloroethane	62	3.859	3.862	(0.925)	650093	300.000	311	
	42 Isobutyl alcohol	43	3.956	3.958	(0.948)	491505	300.000	312	
	43 2,2,4-Trimethylpentane	57	3.956	3.950	(0.948)	2737111	300.000	321	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	378144	50.0000		
	45 Trichloroethene	95	4.623	4.628	(1.107)	621802	300.000	321	
	46 Methylcyclohexane	55	4.896	4.892	(1.173)	859512	300.000	316	
	47 1,2-Dichloropropane	63	4.928	4.930	(1.180)	562649	300.000	322	
	48 Methyl methacrylate	69	5.045	5.047	(1.209)	306973	300.000	338	
	49 Dibromomethane	93	5.024	5.026	(1.203)	280689	300.000	324	
	50 1,4-Dioxane	88	5.045	5.042	(1.209)	84010	6000.00	7000	
	51 Bromodichloromethane	83	5.253	5.250	(1.258)	744160	300.000	324	
	52 2-Chloroethyl vinyl ether	63	5.606	5.608	(0.763)	537362	600.000	690	
	53 cis-1,3-Dichloropropene	75	5.750	5.747	(0.783)	887747	300.000	328	
	54 4-Methyl-2-Pentanone	43	5.926	5.923	(0.807)	1851376	1500.00	1630	
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	367332	50.0000	49.9	
	56 Toluene	91	6.097	6.097	(0.830)	2672875	300.000	307	
	57 trans-1,3-Dichloropropene	75	6.380	6.383	(0.868)	753741	300.000	332	
	58 Ethyl Methacrylate	69	6.466	6.468	(0.880)	588780	300.000	312	
	59 1,1,2-Trichloroethane	83	6.567	6.564	(0.894)	335136	300.000	315	
	60 Tetrachloroethene	166	6.621	6.625	(0.901)	723219	300.000	332	
	61 1,3-Dichloropropane	76	6.706	6.708	(0.913)	694237	300.000	321	
	62 2-Hexanone	43	6.776	6.778	(0.922)	1227572	1500.00	1560	
	63 Dibromochloromethane	129	6.893	6.893	(0.938)	541943	300.000	337	
	64 1,2-Dibromoethane	107	6.979	6.978	(0.950)	392829	300.000	316	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	278428	50.0000		
	66 Chlorobenzene	112	7.368	7.368	(1.003)	1644419	300.000	310	
	67 1,1,1,2-Tetrachloroethane	131	7.449	7.443	(1.014)	589756	300.000	323	
	68 Ethylbenzene	106	7.454	7.453	(1.015)	982329	300.000	311	
	69 m&p-Xylene	106	7.550	7.549	(1.028)	2413523	600.000	633	
	70 o-Xylene	106	7.812	7.811	(1.063)	1115473	300.000	309	
	71 Styrene	104	7.828	7.827	(1.065)	1924958	300.000	321	
	72 Bromoform	173	7.945	7.942	(0.899)	323201	300.000	330	
	73 Isopropylbenzene	105	8.057	8.057	(1.097)	3127995	300.000	315	
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	131780	50.0000	49.9	
	75 Bromobenzene	77	8.244	8.244	(1.122)	986666	300.000	304	
	76 1,1,2,2-Tetrachloroethane	83	8.260	8.254	(0.934)	474130	300.000	312	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.276	8.273	(1.126)	138201	300.000	313	
78	1,2,3-Trichloropropane	110	8.287	8.284	(0.937)	149297	300.000	310	
79	n-Propylbenzene	91	8.314	8.313	(0.940)	3653519	300.000	314	
80	2-Chlorotoluene	91	8.362	8.361	(0.946)	2018289	300.000	309	
81	1,3,5-Trimethylbenzene	105	8.426	8.425	(0.953)	2571148	300.000	308	
82	4-Chlorotoluene	126	8.437	8.436	(0.954)	735992	300.000	302	
83	tert-Butylbenzene	119	8.602	8.602	(0.973)	2979552	300.000	306	
84	1,2,4-Trimethylbenzene	105	8.640	8.639	(0.977)	2543813	300.000	302	
85	sec-Butylbenzene	105	8.730	8.730	(0.987)	3420034	300.000	308	
86	1,3-Dichlorobenzene	146	8.800	8.799	(0.995)	1383308	300.000	298	
87	p-Isopropyltoluene	119	8.816	8.815	(0.997)	2939197	300.000	305	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.842	(1.000)	145914	50.0000	(Q)	
89	1,4-Dichlorobenzene	146	8.859	8.858	(1.002)	1422783	300.000	297	
90	n-Butylbenzene	91	9.035	9.034	(1.022)	2662909	300.000	309	
91	1,2-Dichlorobenzene	146	9.046	9.045	(1.023)	1277929	300.000	298	
92	1,2-Dibromo-3-chloropropane	155	9.462	9.459	(1.070)	80031	300.000	296	
93	1,2,4-Trichlorobenzene	180	9.873	9.878	(1.117)	888766	300.000	305	
94	Hexachlorobutadiene	225	9.938	9.929	(1.124)	500901	300.000	310	
95	Naphthalene	128	10.012	10.022	(1.132)	1830184	300.000	298	
96	1,2,3-Trichlorobenzene	180	10.130	10.135	(1.146)	785670	300.000	302	
97	2,methyl-naphthalene	142	10.648	10.658	(1.204)	1217259	300.000	299	
98	1-Methylnaphthalene	142	10.760	10.770	(1.217)	1033191	300.000	293	
99	Isopropyl Acetate	61	1.600	1.602	(0.383)	858317	1500.00	1580	
100	Ethyl Acetate	88	2.401	2.409	(0.575)	564753	3000.00	3190	
101	n-amyl Acetate	70	8.260	8.257	(1.979)	5107	1500.00	382(Q)	

QC Flag Legend

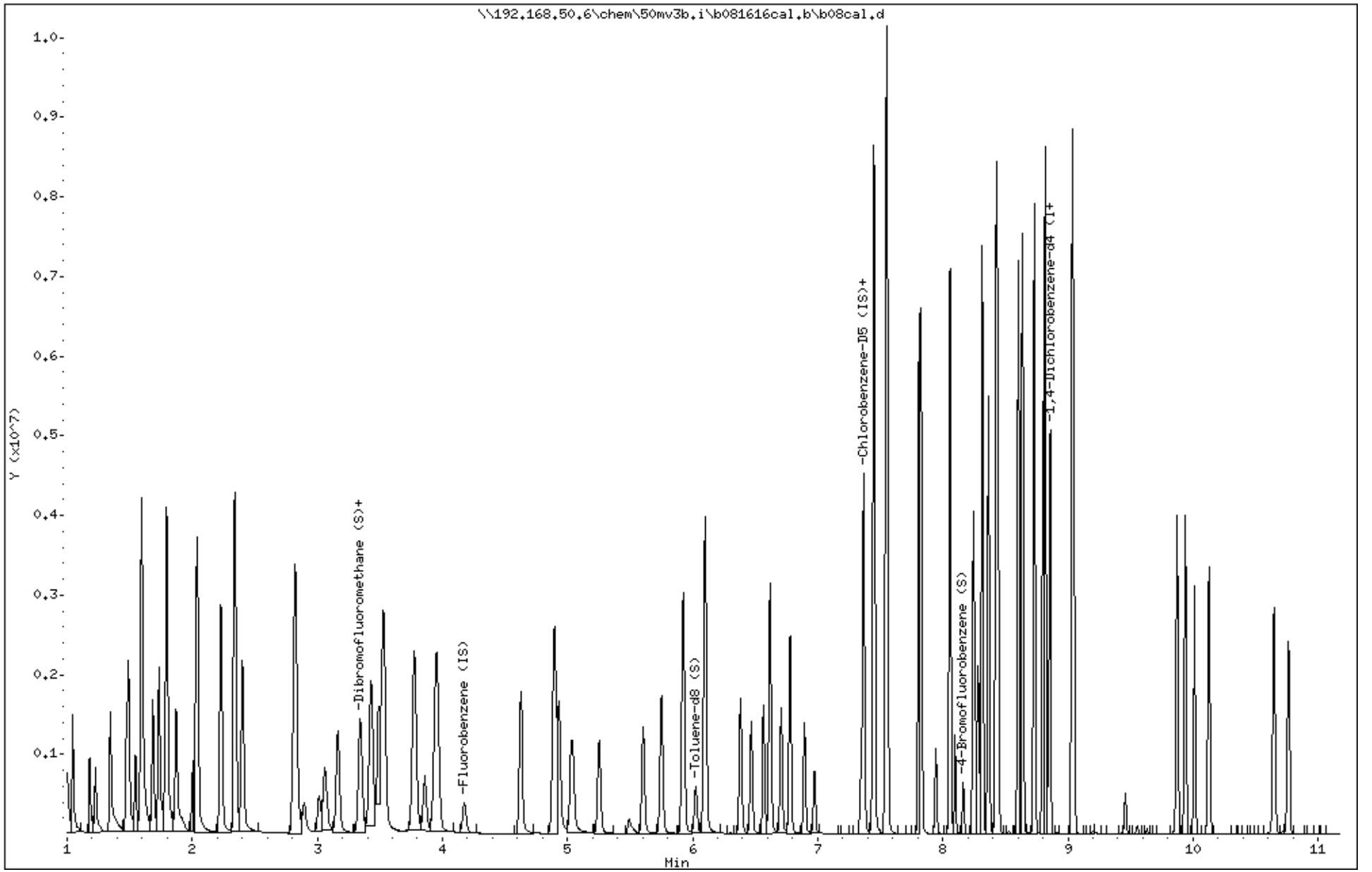
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:
GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).

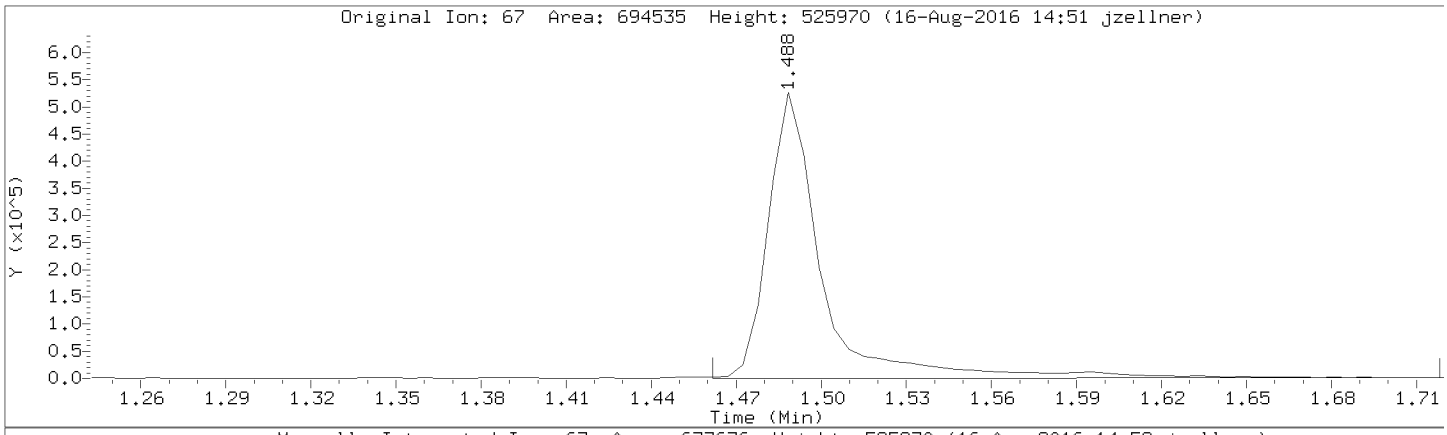
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b08cal.d
Date : 16-AUG-2016 14:20
Client ID:
Sample Info: 8260-CAL8,128594:0
Purge Volume: 5.0
Column phase: DB-624

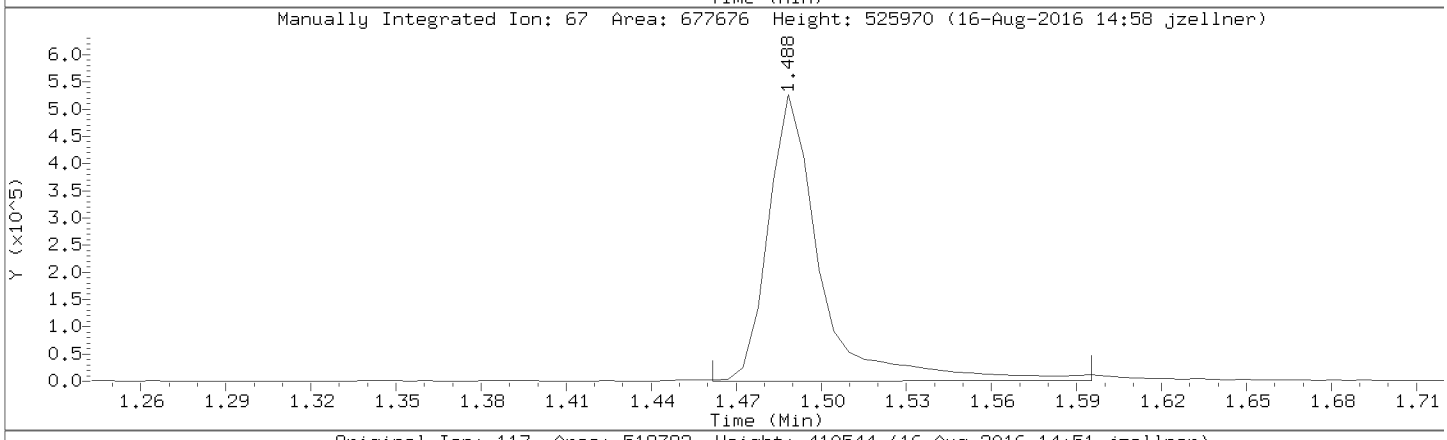
Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18

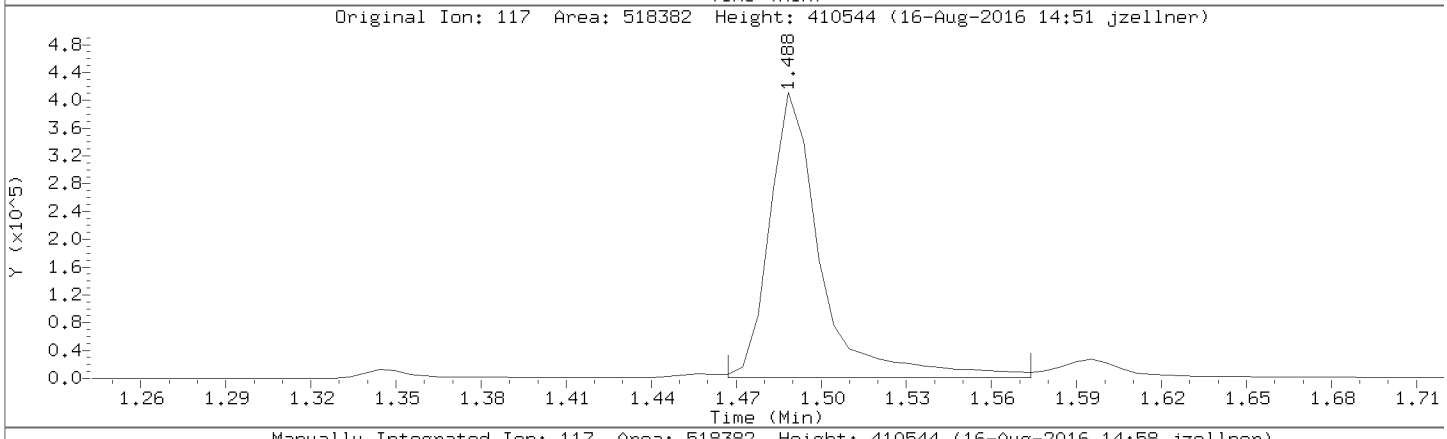


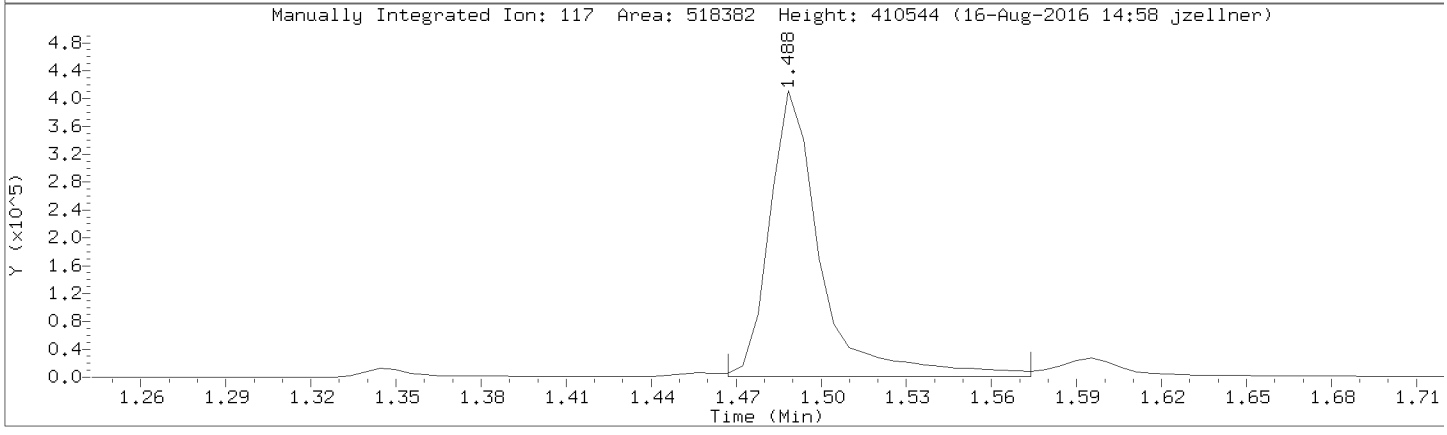
Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b08cal.d
Injection Date: 16-AUG-2016 14:20
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL8,128594:0

Compound: 1,2-dichlorotrifluoroethane Review Code: GT
CAS Number: 354-23-4

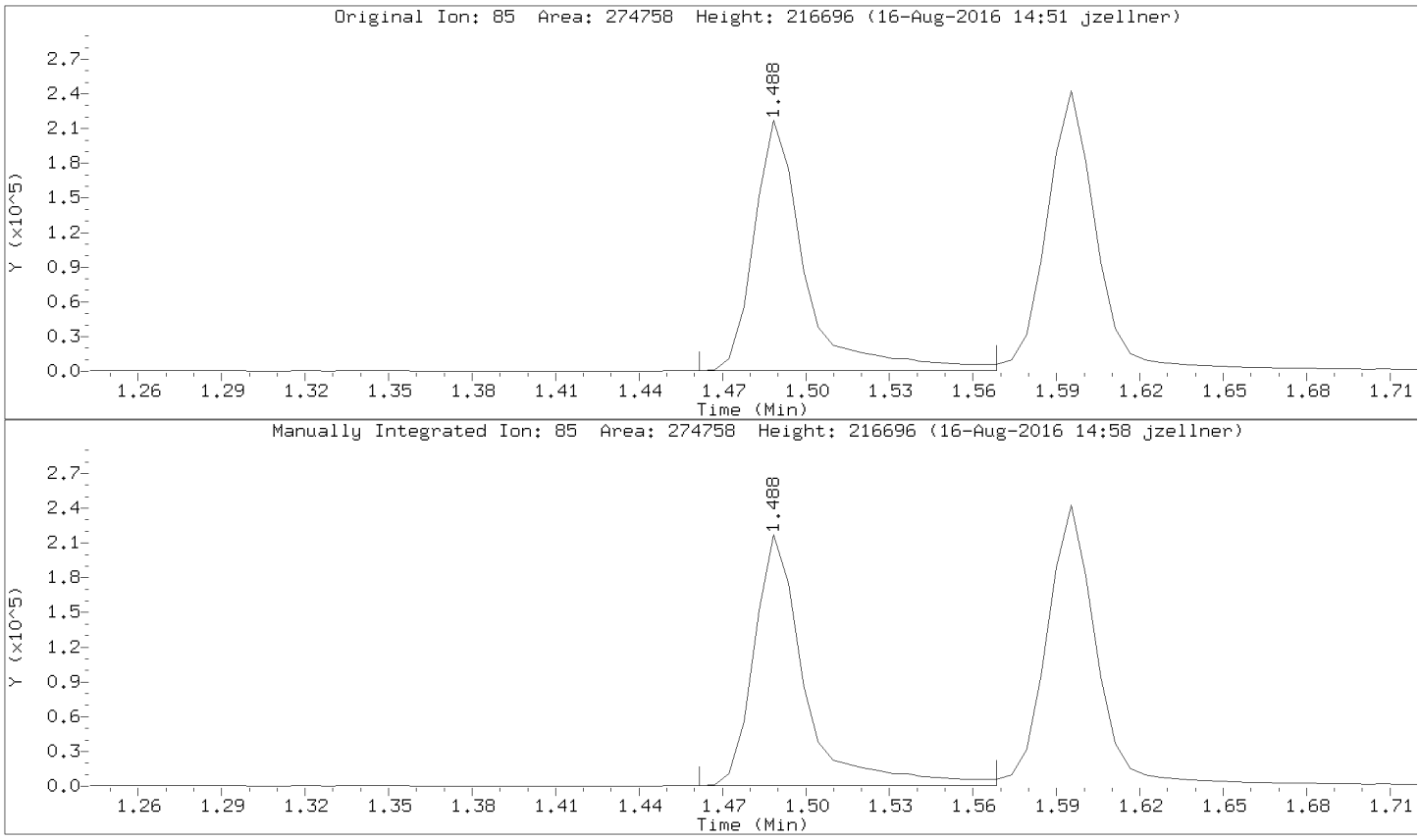








Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b/b08cal.d
Injection Date: 16-AUG-2016 14:20
Instrument: 50mv3b.i
Lab Sample ID: 8260-CAL8,128594:0



SAMPLE NO.

10432865CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/07/2016 Time: 00:45

Instrument ID: 50MV3A GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: A100616.B\C01CCV.D Init. Calib. Time(s): 18:30 22:15

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04490	0.03545	0.0100	-21.0642	20.0000
Benzene	Averaged	1.02873	0.95947	0.5000	-6.7326	20.0000
Bromodichloromethane	Averaged	0.27827	0.27569	0.2000	-0.9281	20.0000
Bromoform	Averaged	0.34906	0.34658	0.1000	-0.7080	20.0000
Bromomethane	Averaged	0.15229	0.13590	0.1000	-10.7654	20.0000
2-Butanone (MEK)	Averaged	0.01675	0.01653	0.0100	-1.2831	20.0000
Carbon disulfide	Averaged	0.68515	0.63543	0.1000	-7.2560	20.0000
Carbon tetrachloride	Averaged	0.34273	0.30211	0.1000	-11.8530	20.0000
Chlorobenzene	Averaged	1.02881	0.92128	0.5000	-10.4516	20.0000
Chloroethane	Averaged	0.19432	0.17881	0.1000	-7.9829	20.0000
Chloroform	Averaged	0.43240	0.38655	0.2000	-10.6019	20.0000
Chloromethane	Averaged	0.31318	0.29925	0.1000	-4.4475	20.0000
Cyclohexane	Averaged	0.49105	0.46997	0.1000	-4.2943	20.0000
1,2-Dibromo-3-chloropropane	Averaged	0.08093	0.08046	0.0500	-0.5808	20.0000
Dibromochloromethane	Averaged	0.30702	0.28350	0.1000	-7.6609	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.23611	0.21923	0.1000	-7.1465	20.0000
1,2-Dichlorobenzene	Averaged	1.45233	1.30579	0.4000	-10.0900	20.0000
1,3-Dichlorobenzene	Averaged	1.60347	1.42227	0.6000	-11.3007	20.0000
1,4-Dichlorobenzene	Averaged	1.66125	1.42753	0.5000	-14.0694	20.0000
Dichlorodifluoromethane	Averaged	0.25519	0.29856	0.1000	16.9932	20.0000
1,1-Dichloroethane	Averaged	0.46850	0.42881	0.2000	-8.4712	20.0000
1,2-Dichloroethane	Averaged	0.31215	0.26468	0.1000	-15.2075	20.0000
1,1-Dichloroethene	Averaged	0.22170	0.19122	0.1000	-13.7476	20.0000
cis-1,2-Dichloroethene	Averaged	0.26750	0.24703	0.1000	-7.6524	20.0000
trans-1,2-Dichloroethene	Averaged	0.24969	0.23077	0.1000	-7.5753	20.0000
1,2-Dichloropropane	Averaged	0.24136	0.24171	0.1000	0.1421	20.0000
cis-1,3-Dichloropropene	Averaged	0.56246	0.49432	0.2000	-12.1143	20.0000
trans-1,3-Dichloropropene	Averaged	0.45567	0.40701	0.1000	-10.6790	20.0000
Ethylbenzene	Averaged	0.56445	0.53038	0.1000	-6.0361	20.0000
2-Hexanone	Averaged	0.16380	0.16483	0.0500	0.6248	20.0000
Isopropylbenzene (Cumene)	Averaged	1.77697	1.68218	0.1000	-5.3341	20.0000
Methyl acetate	Averaged	0.13551	0.12211	0.1000	-9.8940	20.0000
Methylcyclohexane	Averaged	0.39977	0.40966	0.1000	2.4729	20.0000
Methylene Chloride	Linear	50	59.48474	0.1000	18.9695	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.25818	0.24198	0.0500	-6.2755	20.0000
Methyl-tert-butyl ether	Averaged	0.59940	0.55678	0.1000	-7.1092	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10432865CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/07/2016 Time: 00:45

Instrument ID: 50MV3A GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: A100616.B\C01CCV.D Init. Calib. Time(s): 18:30 22:15

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.03846	1.01686	0.3000	-2.0792	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.62886	0.61691	0.3000	-1.9004	20.0000
Tetrachloroethene	Averaged	0.41806	0.38382	0.2000	-8.1913	20.0000
Toluene	Averaged	1.84061	1.51961	0.4000	-17.4399	20.0000
1,2,4-Trichlorobenzene	Averaged	0.96270	0.87012	0.2000	-9.6161	20.0000
1,1,1-Trichloroethane	Averaged	0.40948	0.34566	0.1000	-15.5849	20.0000
1,1,2-Trichloroethane	Averaged	0.21909	0.19803	0.1000	-9.6121	20.0000
Trichloroethene	Averaged	0.26043	0.24295	0.2000	-6.7101	20.0000
Trichlorofluoromethane	Averaged	0.36644	0.32305	0.1000	-11.8406	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.27090	0.22129	0.1000	-18.3148	20.0000
Vinyl chloride	Averaged	0.32904	0.33997	0.1000	3.3233	20.0000
m&p-Xylene	Averaged	0.69293	0.65025	0.1000	-6.1593	20.0000
o-Xylene	Averaged	0.64153	0.60872	0.3000	-5.1155	20.0000
4-Bromofluorobenzene (S)	Averaged	0.44580	0.46283	0.1000	3.8194	20.0000
Dibromofluoromethane (S)	Averaged	0.22609	0.21672	0.1000	-4.1433	20.0000
Toluene-d8 (S)	Averaged	1.55036	1.41097	0.1000	-8.9907	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10514971CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/10/2016 Time: 21:48

Instrument ID: 50MV3A GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: A101016.B\C01CCV.D Init. Calib. Time(s): 18:30 22:15

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04490	0.03450	0.0100	-23.1729	20.0000
Benzene	Averaged	1.02873	0.97483	0.5000	-5.2399	20.0000
Bromodichloromethane	Averaged	0.27827	0.28052	0.2000	0.8069	20.0000
Bromoform	Averaged	0.34906	0.35228	0.1000	0.9242	20.0000
Bromomethane	Averaged	0.15229	0.13508	0.1000	-11.3050	20.0000
2-Butanone (MEK)	Averaged	0.01675	0.01596	0.0100	-4.7226	20.0000
Carbon disulfide	Averaged	0.68515	0.61986	0.1000	-9.5290	20.0000
Carbon tetrachloride	Averaged	0.34273	0.31575	0.1000	-7.8724	20.0000
Chlorobenzene	Averaged	1.02881	0.97230	0.5000	-5.4927	20.0000
Chloroethane	Averaged	0.19432	0.16861	0.1000	-13.2319	20.0000
Chloroform	Averaged	0.43240	0.39053	0.2000	-9.6828	20.0000
Chloromethane	Averaged	0.31318	0.28783	0.1000	-8.0963	20.0000
Cyclohexane	Averaged	0.49105	0.47440	0.1000	-3.3919	20.0000
1,2-Dibromo-3-chloropropane	Averaged	0.08093	0.08013	0.0500	-0.9955	20.0000
Dibromochloromethane	Averaged	0.30702	0.29626	0.1000	-3.5062	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.23611	0.23228	0.1000	-1.6220	20.0000
1,2-Dichlorobenzene	Averaged	1.45233	1.31119	0.4000	-9.7181	20.0000
1,3-Dichlorobenzene	Averaged	1.60347	1.43524	0.6000	-10.4919	20.0000
1,4-Dichlorobenzene	Averaged	1.66125	1.43087	0.5000	-13.8682	20.0000
Dichlorodifluoromethane	Averaged	0.25519	0.26501	0.1000	3.8486	20.0000
1,1-Dichloroethane	Averaged	0.46850	0.44073	0.2000	-5.9272	20.0000
1,2-Dichloroethane	Averaged	0.31215	0.26560	0.1000	-14.9143	20.0000
1,1-Dichloroethene	Averaged	0.22170	0.19406	0.1000	-12.4655	20.0000
cis-1,2-Dichloroethene	Averaged	0.26750	0.24963	0.1000	-6.6808	20.0000
trans-1,2-Dichloroethene	Averaged	0.24969	0.23306	0.1000	-6.6584	20.0000
1,2-Dichloropropane	Averaged	0.24136	0.24805	0.1000	2.7683	20.0000
cis-1,3-Dichloropropene	Averaged	0.56246	0.52076	0.2000	-7.4139	20.0000
trans-1,3-Dichloropropene	Averaged	0.45567	0.42975	0.1000	-5.6889	20.0000
Ethylbenzene	Averaged	0.56445	0.56156	0.1000	-0.5108	20.0000
2-Hexanone	Averaged	0.16380	0.17370	0.0500	6.0436	20.0000
Isopropylbenzene (Cumene)	Averaged	1.77697	1.76547	0.1000	-0.6471	20.0000
Methyl acetate	Averaged	0.13551	0.12257	0.1000	-9.5505	20.0000
Methylcyclohexane	Averaged	0.39977	0.41562	0.1000	3.9635	20.0000
Methylene Chloride	Linear	50	51.70833	0.1000	3.4167	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.25818	0.26199	0.0500	1.4772	20.0000
Methyl-tert-butyl ether	Averaged	0.59940	0.54000	0.1000	-9.9091	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10514971CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/10/2016 Time: 21:48

Instrument ID: 50MV3A GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: A101016.B\C01CCV.D Init. Calib. Time(s): 18:30 22:15

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.03846	1.04067	0.3000	0.2133	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.62886	0.61545	0.3000	-2.1331	20.0000
Tetrachloroethene	Averaged	0.41806	0.39356	0.2000	-5.8610	20.0000
Toluene	Averaged	1.84061	1.61785	0.4000	-12.1022	20.0000
1,2,4-Trichlorobenzene	Averaged	0.96270	0.80984	0.2000	-15.8783	20.0000
1,1,1-Trichloroethane	Averaged	0.40948	0.35752	0.1000	-12.6897	20.0000
1,1,2-Trichloroethane	Averaged	0.21909	0.21564	0.1000	-1.5725	20.0000
Trichloroethene	Averaged	0.26043	0.23898	0.2000	-8.2357	20.0000
Trichlorofluoromethane	Averaged	0.36644	0.31612	0.1000	-13.7327	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.27090	0.22001	0.1000	-18.7860	20.0000
Vinyl chloride	Averaged	0.32904	0.32170	0.1000	-2.2309	20.0000
m&p-Xylene	Averaged	0.69293	0.67347	0.1000	-2.8074	20.0000
o-Xylene	Averaged	0.64153	0.62765	0.3000	-2.1646	20.0000
4-Bromofluorobenzene (S)	Averaged	0.44580	0.47736	0.1000	7.0791	20.0000
Dibromofluoromethane (S)	Averaged	0.22609	0.21755	0.1000	-3.7792	20.0000
Toluene-d8 (S)	Averaged	1.55036	1.47544	0.1000	-4.8324	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10433599CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/06/2016 Time: 12:44

Instrument ID: 50MV3B GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: B100616.B\B01CCV.D Init. Calib. Time(s): 18:47 22:31

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04622	0.03825	0.0100	-17.2571	20.0000
Benzene	Averaged	1.04713	0.98207	0.5000	-6.2128	20.0000
Bromodichloromethane	Averaged	0.28906	0.27782	0.2000	-3.8868	20.0000
Bromoform	Averaged	0.32113	0.29422	0.1000	-8.3786	20.0000
Bromomethane	Averaged	0.16405	0.13589	0.1000	-17.1635	20.0000
2-Butanone (MEK)	Averaged	0.01617	0.01591	0.0100	-1.6254	20.0000
Carbon disulfide	Averaged	0.76107	0.69782	0.1000	-8.3103	20.0000
Carbon tetrachloride	Averaged	0.36318	0.31375	0.1000	-13.6088	20.0000
Chlorobenzene	Averaged	1.04277	0.98253	0.5000	-5.7765	20.0000
Chloroethane	Averaged	0.22048	0.20422	0.1000	-7.3754	20.0000
Chloroform	Averaged	0.45678	0.39931	0.2000	-12.5822	20.0000
Chloromethane	Averaged	0.43923	0.34900	0.1000	-20.5409	20.0000
Cyclohexane	Averaged	0.50673	0.48472	0.1000	-4.3430	20.0000
1,2-Dibromo-3-chloropropane	Averaged	0.08269	0.07938	0.0500	-4.0047	20.0000
Dibromochloromethane	Averaged	0.29534	0.26392	0.1000	-10.6390	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.23074	0.22673	0.1000	-1.7363	20.0000
1,2-Dichlorobenzene	Averaged	1.48357	1.37620	0.4000	-7.2377	20.0000
1,3-Dichlorobenzene	Averaged	1.63145	1.54978	0.6000	-5.0060	20.0000
1,4-Dichlorobenzene	Averaged	1.68941	1.58211	0.5000	-6.3508	20.0000
Dichlorodifluoromethane	Averaged	0.29504	0.33445	0.1000	13.3565	20.0000
1,1-Dichloroethane	Averaged	0.48064	0.45093	0.2000	-6.1826	20.0000
1,2-Dichloroethane	Averaged	0.31250	0.25658	0.1000	-17.8953	20.0000
1,1-Dichloroethene	Averaged	0.22478	0.21865	0.1000	-2.7282	20.0000
cis-1,2-Dichloroethene	Averaged	0.27213	0.25880	0.1000	-4.9006	20.0000
trans-1,2-Dichloroethene	Averaged	0.25696	0.24600	0.1000	-4.2670	20.0000
1,2-Dichloropropane	Averaged	0.24744	0.24775	0.1000	0.1271	20.0000
cis-1,3-Dichloropropene	Averaged	0.53293	0.51145	0.2000	-4.0296	20.0000
trans-1,3-Dichloropropene	Averaged	0.41642	0.41273	0.1000	-0.8861	20.0000
Ethylbenzene	Averaged	0.57779	0.58650	0.1000	1.5072	20.0000
2-Hexanone	Averaged	0.15211	0.15442	0.0500	1.5165	20.0000
Isopropylbenzene (Cumene)	Averaged	1.90327	1.92015	0.1000	0.8866	20.0000
Methyl acetate	Averaged	0.13541	0.10836	0.1000	-19.9718	20.0000
Methylcyclohexane	Averaged	0.40710	0.42335	0.1000	3.9915	20.0000
Methylene Chloride	Linear	50	59.25546	0.1000	18.5109	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.23229	0.22086	0.0500	-4.9188	20.0000
Methyl-tert-butyl ether	Averaged	0.57367	0.53358	0.1000	-6.9891	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10433599CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/06/2016 Time: 12:44

Instrument ID: 50MV3B GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: B100616.B\B01CCV.D Init. Calib. Time(s): 18:47 22:31

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.10100	1.13788	0.3000	3.3496	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.56896	0.56302	0.3000	-1.0437	20.0000
Tetrachloroethene	Averaged	0.41027	0.41275	0.2000	0.6043	20.0000
Toluene	Averaged	1.83596	1.57348	0.4000	-14.2969	20.0000
1,2,4-Trichlorobenzene	Averaged	0.97660	1.02055	0.2000	4.4996	20.0000
1,1,1-Trichloroethane	Averaged	0.41021	0.37263	0.1000	-9.1619	20.0000
1,1,2-Trichloroethane	Averaged	0.20348	0.20544	0.1000	0.9616	20.0000
Trichloroethene	Averaged	0.25116	0.25563	0.2000	1.7810	20.0000
Trichlorofluoromethane	Averaged	0.40745	0.35217	0.1000	-13.5693	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.26885	0.24713	0.1000	-8.0786	20.0000
Vinyl chloride	Averaged	0.37673	0.37323	0.1000	-0.9289	20.0000
m&p-Xylene	Averaged	0.71242	0.72111	0.1000	1.2195	20.0000
o-Xylene	Averaged	0.65574	0.67868	0.3000	3.4982	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46495	0.48915	0.1000	5.2036	20.0000
Dibromofluoromethane (S)	Averaged	0.23020	0.21266	0.1000	-7.6208	20.0000
Toluene-d8 (S)	Averaged	1.47709	1.37966	0.1000	-6.5960	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10433595CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/07/2016 Time: 01:01

Instrument ID: 50MV3B GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: B100616.B\D01CCV.D Init. Calib. Time(s): 18:47 22:31

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04622	0.04018	0.0100	-13.0863	20.0000
Benzene	Averaged	1.04713	0.97837	0.5000	-6.5664	20.0000
Bromodichloromethane	Averaged	0.28906	0.28811	0.2000	-0.3290	20.0000
Bromoform	Averaged	0.32113	0.31448	0.1000	-2.0695	20.0000
Bromomethane	Averaged	0.16405	0.13350	0.1000	-18.6193	20.0000
2-Butanone (MEK)	Averaged	0.01617	0.01612	0.0100	-0.3137	20.0000
Carbon disulfide	Averaged	0.76107	0.68962	0.1000	-9.3879	20.0000
Carbon tetrachloride	Averaged	0.36318	0.32158	0.1000	-11.4535	20.0000
Chlorobenzene	Averaged	1.04277	0.94995	0.5000	-8.9007	20.0000
Chloroethane	Averaged	0.22048	0.18724	0.1000	-15.0740	20.0000
Chloroform	Averaged	0.45678	0.39438	0.2000	-13.6613	20.0000
Chloromethane	Averaged	0.43923	0.33484	0.1000	-23.7663	20.0000
Cyclohexane	Averaged	0.50673	0.47641	0.1000	-5.9830	20.0000
1,2-Dibromo-3-chloropropane	Averaged	0.08269	0.08306	0.0500	0.4443	20.0000
Dibromochloromethane	Averaged	0.29534	0.27582	0.1000	-6.6088	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.23074	0.22462	0.1000	-2.6523	20.0000
1,2-Dichlorobenzene	Averaged	1.48357	1.32809	0.4000	-10.4799	20.0000
1,3-Dichlorobenzene	Averaged	1.63145	1.46750	0.6000	-10.0495	20.0000
1,4-Dichlorobenzene	Averaged	1.68941	1.45981	0.5000	-13.5904	20.0000
Dichlorodifluoromethane	Averaged	0.29504	0.31976	0.1000	8.3777	20.0000
1,1-Dichloroethane	Averaged	0.48064	0.44870	0.2000	-6.6451	20.0000
1,2-Dichloroethane	Averaged	0.31250	0.25939	0.1000	-16.9957	20.0000
1,1-Dichloroethene	Averaged	0.22478	0.21430	0.1000	-4.6656	20.0000
cis-1,2-Dichloroethene	Averaged	0.27213	0.25288	0.1000	-7.0760	20.0000
trans-1,2-Dichloroethene	Averaged	0.25696	0.24307	0.1000	-5.4054	20.0000
1,2-Dichloropropane	Averaged	0.24744	0.24895	0.1000	0.6087	20.0000
cis-1,3-Dichloropropene	Averaged	0.53293	0.47737	0.2000	-10.4253	20.0000
trans-1,3-Dichloropropene	Averaged	0.41642	0.39566	0.1000	-4.9846	20.0000
Ethylbenzene	Averaged	0.57779	0.55285	0.1000	-4.3168	20.0000
2-Hexanone	Averaged	0.15211	0.15698	0.0500	3.2027	20.0000
Isopropylbenzene (Cumene)	Averaged	1.90327	1.83977	0.1000	-3.3364	20.0000
Methyl acetate	Averaged	0.13541	0.11254	0.1000	-16.8911	20.0000
Methylcyclohexane	Averaged	0.40710	0.41844	0.1000	2.7857	20.0000
Methylene Chloride	Linear	50	57.57092	0.1000	15.1418	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.23229	0.22598	0.0500	-2.7181	20.0000
Methyl-tert-butyl ether	Averaged	0.57367	0.53959	0.1000	-5.9402	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

SAMPLE NO.

10433595CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 10/07/2016 Time: 01:01

Instrument ID: 50MV3B GC Column: Col 1 Init. Calib. Date(s): 09/28/2016 09/28/2016

Lab File ID: B100616.B\D01CCV.D Init. Calib. Time(s): 18:47 22:31

SDG No.: 50155366

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.10100	1.08783	0.3000	-1.1958	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.56896	0.56336	0.3000	-0.9840	20.0000
Tetrachloroethene	Averaged	0.41027	0.42938	0.2000	4.6568	20.0000
Toluene	Averaged	1.83596	1.50700	0.4000	-17.9178	20.0000
1,2,4-Trichlorobenzene	Averaged	0.97660	0.87690	0.2000	-10.2089	20.0000
1,1,1-Trichloroethane	Averaged	0.41021	0.36440	0.1000	-11.1670	20.0000
1,1,2-Trichloroethane	Averaged	0.20348	0.18962	0.1000	-6.8132	20.0000
Trichloroethene	Averaged	0.25116	0.25090	0.2000	-0.1004	20.0000
Trichlorofluoromethane	Averaged	0.40745	0.33410	0.1000	-18.0019	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.26885	0.23992	0.1000	-10.7601	20.0000
Vinyl chloride	Averaged	0.37673	0.35649	0.1000	-5.3730	20.0000
m&p-Xylene	Averaged	0.71242	0.67726	0.1000	-4.9353	20.0000
o-Xylene	Averaged	0.65574	0.65312	0.3000	-0.3994	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46495	0.49090	0.1000	5.5801	20.0000
Dibromofluoromethane (S)	Averaged	0.23020	0.21601	0.1000	-6.1640	20.0000
Toluene-d8 (S)	Averaged	1.47709	1.38610	0.1000	-6.1601	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d
Lab Smp Id: 8260-ICV,131984:0
Inj Date : 28-SEP-2016 23:19
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-icv,131984:0
Misc Info : 95280
Comment   :
Method   : \\192.168.50.6\chem\50mv3a.i\a092816cal.b\-a8260_a_c.m
Meth Date : 29-Sep-2016 13:04 jzellner Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 21 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.906	0.906	(0.218)	114407	54.0845	54.1	
2	Chloromethane	50	0.997	0.992	(0.239)	122782	47.2958	47.3	
3	Vinyl Chloride	62	1.034	1.034	(0.248)	141419	51.8500	51.8	
4	Bromomethane	94	1.184	1.184	(0.284)	62355	49.3948	49.4	
5	Chloroethane	64	1.227	1.227	(0.295)	75784	47.0478	47.0	
6	Trichlorofluoromethane	101	1.344	1.344	(0.323)	157310	51.7889	51.8	
7	Diethyl ether	74	1.467	1.467	(0.352)	53186	45.2995	45.3	
8	1,2-dichlorotrifluoroethane	67	1.483	1.483	(0.356)	114005	43.3792	43.4	
9	Acrolein	56	1.536	1.537	(0.369)	280252	1340.55	1340	
10	1,1,2trichlorotrifluoroethane	101	1.590	1.590	(0.382)	102422	45.6106	45.6	
11	1,1-Dichloroethene	96	1.595	1.595	(0.383)	89372	48.6320	48.6	
12	Acetone	43	1.606	1.606	(0.386)	85089	228.601	229	
13	Iodomethane	142	1.681	1.681	(0.404)	181142	104.539	104	
14	Carbon Disulfide	76	1.729	1.729	(0.415)	266288	46.8872	46.9	
15	Methyl Acetate	43	1.771	1.772	(0.425)	68804	61.2518	61.2	
16	allyl chloride	41	1.787	1.788	(0.429)	314860	87.3919	87.4	
17	Acetonitrile	39	1.787	1.788	(0.429)	237411	45.7170	45.7	
18	Methylene Chloride	84	1.862	1.863	(0.447)	88671	47.3777	47.4	
19	Acrylonitrile	53	2.001	1.996	(0.481)	87797	184.773	185	
20	Methyl-tert-butyl ether	73	2.028	2.028	(0.487)	240280	48.3605	48.4	
21	tert-Butyl Alcohol	59	1.900	1.905	(0.456)	12644	88.5149	88.5(Q)	
22	1,2-Dichloroethene (trans)	96	2.038	2.039	(0.490)	101404	48.9947	49.0	
23	n-Hexane	57	2.220	2.220	(0.533)	202604	49.2920	49.3	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.332	2.332	(0.560)	741108	228.065	228	
	25 1,1-Dichloroethane	63	2.343	2.343	(0.563)	188593	48.5624	48.6	
	26 Chloroprene	53	2.396	2.396	(0.576)	191047	47.4767	47.5	
	27 2-Butanone	72	2.802	2.802	(0.673)	33777	243.282	243(Q)	
	28 1,2-Dichloroethene (cis)	96	2.813	2.818	(0.676)	104968	47.3386	47.3(Q)	
	29 2,2-Dichloropropane	77	2.824	2.824	(0.678)	144768	47.0336	47.0	
	30 Propionitrile	54	2.856	2.861	(0.686)	7503	38.5391	38.5(Q)	
	31 Methacrylonitrile	41	3.005	3.005	(0.722)	183210	198.977	199	
	32 Bromochloromethane	49	3.048	3.048	(0.732)	74511	46.8531	46.8	
	33 Tetrahydrofuran	42	3.069	3.069	(0.737)	16770	40.1188	40.1	
	34 Chloroform	83	3.160	3.155	(0.759)	169412	47.2661	47.3	
$	35 Dibromofluoromethane (S)	113	3.336	3.331	(0.801)	92167	49.1787	49.2	
	36 1,1,1-Trichloroethane	97	3.336	3.337	(0.801)	158134	46.5885	46.6	
	37 Cyclohexane	56	3.422	3.422	(0.822)	202860	49.8372	49.8	
	38 n-Butyl chloride	56	3.486	3.481	(0.837)	253667	49.9112	49.9	
	39 Carbon Tetrachloride	117	3.518	3.518	(0.845)	142234	50.0654	50.1	
	40 1,1-Dichloropropene	75	3.523	3.523	(0.846)	151489	49.4506	49.4	
	41 Benzene	78	3.764	3.764	(0.904)	408245	47.8747	47.9	
	42 1,2-Dichloroethane	62	3.849	3.849	(0.924)	121027	46.7735	46.8	
	43 2,2,4-Trimethylpentane	57	3.945	3.945	(0.947)	517747	50.4695	50.5	
	44 Isobutyl alcohol	43	3.881	3.881	(0.932)	821813	59.0633	59.1	
*	45 Fluorobenzene (IS)	96	4.164	4.164	(1.000)	414461	50.0000		
	46 Trichloroethene	95	4.618	4.618	(1.109)	96142	44.5365	44.5	
	47 Methylcyclohexane	55	4.885	4.885	(1.173)	170851	51.5575	51.6	
	48 1,2-Dichloropropane	63	4.923	4.923	(1.182)	97979	48.9717	49.0	
	49 Dibromomethane	93	5.019	5.019	(1.205)	43203	47.2402	47.2	
	50 1,4-Dioxane	88	5.029	5.035	(1.208)	12523	1015.49	1020	
	51 Methyl methacrylate	69	5.040	5.040	(1.210)	47871	53.4776	53.5	
	52 Bromodichloromethane	83	5.248	5.243	(1.260)	114792	49.7658	49.8	
	53 2-Chloroethyl vinyl ether	63	5.601	5.601	(0.763)	4470	46.9780	47.0	
	54 cis-1,3-Dichloropropene	75	5.745	5.745	(0.782)	137896	52.4303	52.4	
	55 4-Methyl-2-Pentanone	43	5.916	5.916	(0.806)	321535	266.337	266	
$	56 Toluene-d8 (S)	98	6.018	6.018	(0.820)	371516	51.2472	51.2	
	57 Toluene	91	6.092	6.092	(0.830)	420980	48.9129	48.9	
	58 trans-1,3-Dichloropropene	75	6.381	6.381	(0.869)	117158	54.9850	55.0	
	59 Ethyl Methacrylate	69	6.461	6.466	(0.880)	381054	240.792	241	
	60 1,1,2-Trichloroethane	83	6.562	6.563	(0.894)	54915	53.6037	53.6	
	61 Tetrachloroethene	166	6.616	6.616	(0.901)	96587	49.4083	49.4	
	62 1,3-Dichloropropane	76	6.707	6.707	(0.913)	116458	54.0098	54.0	
	63 2-Hexanone	43	6.776	6.776	(0.923)	210944	275.402	275	
	64 Dibromochloromethane	129	6.888	6.888	(0.938)	74494	51.8893	51.9	
	65 1,2-Dibromoethane	107	6.974	6.974	(0.950)	57082	51.7027	51.7	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.342	(1.000)	233801	50.0000		
	67 Chlorobenzene	112	7.363	7.364	(1.003)	228981	47.5980	47.6	
	68 1,1,1,2-Tetrachloroethane	131	7.444	7.444	(1.014)	79706	52.5247	52.5	
	69 Ethylbenzene	106	7.449	7.449	(1.015)	138294	52.3966	52.4	
	70 m&p-Xylene	106	7.550	7.545	(1.028)	342750	105.783	106	
	71 o-Xylene	106	7.807	7.807	(1.063)	154314	51.4409	51.4	
	72 Styrene	104	7.823	7.823	(1.065)	270682	55.7436	55.7	
	73 Bromoform	173	7.940	7.941	(0.898)	36008	45.2659	45.3	
	74 Isopropylbenzene	105	8.052	8.053	(1.097)	448905	54.0254	54.0	
$	75 4-Bromofluorobenzene (S)	95	8.165	8.165	(1.112)	111366	53.4235	53.4	
	76 Bromobenzene	77	8.245	8.245	(1.123)	136295	49.9284	49.9	
	77 1,1,2,2-Tetrachloroethane	83	8.255	8.256	(0.934)	66626	46.4895	46.5	

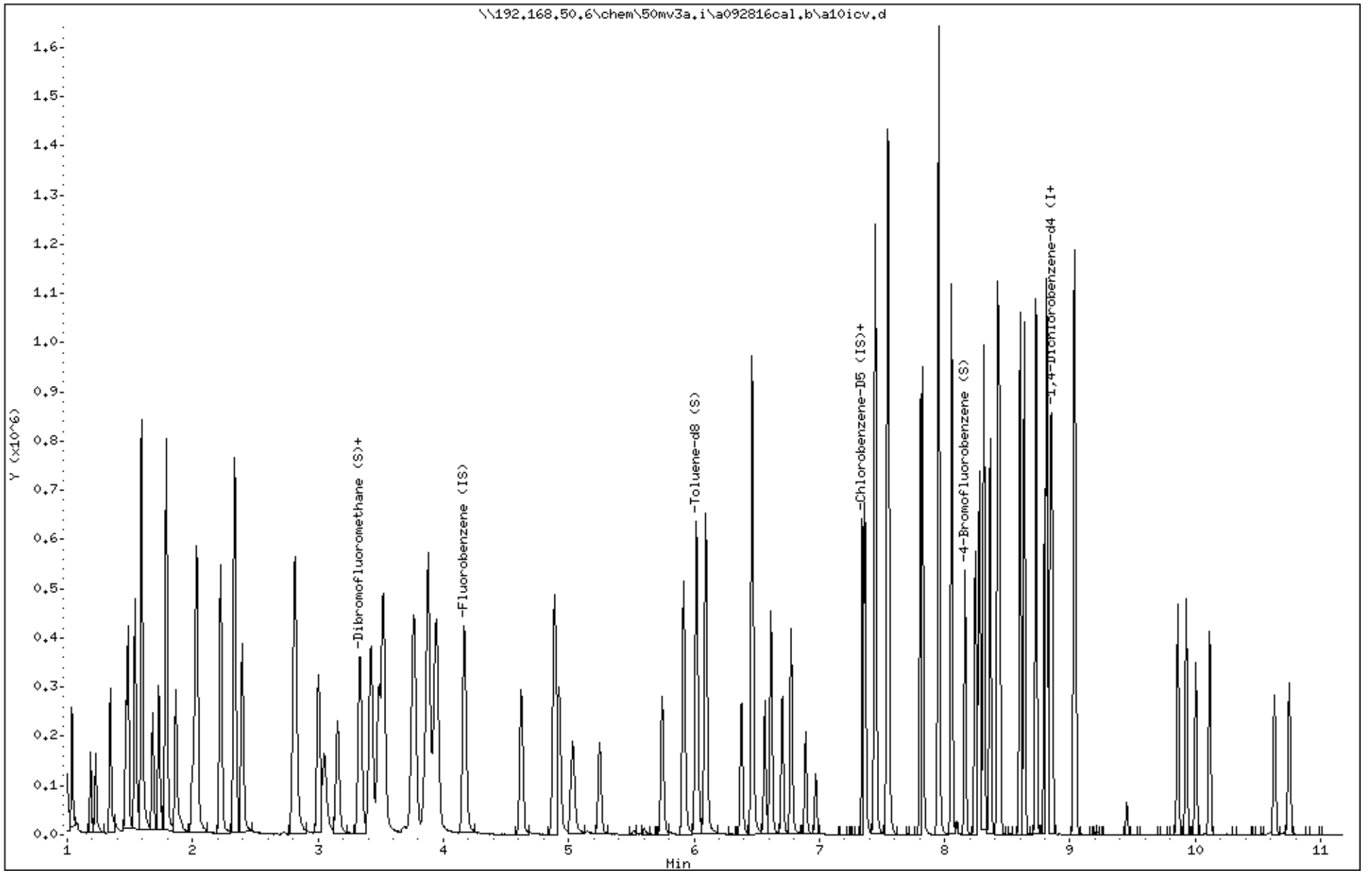
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.277	8.277	(1.127)	80646	211.904	212(Q)	
79	1,2,3-Trichloropropane	110	8.282	8.282	(0.937)	21581	47.4612	47.5(Q)	
80	n-Propylbenzene	91	8.314	8.309	(0.940)	510782	49.9516	50.0	
81	2-Chlorotoluene	91	8.362	8.362	(0.946)	283868	49.6186	49.6	
82	1,3,5-Trimethylbenzene	105	8.421	8.421	(0.952)	345474	49.9788	50.0	
83	4-Chlorotoluene	126	8.437	8.437	(0.954)	98893	48.8584	48.8	
84	tert-Butylbenzene	119	8.603	8.603	(0.973)	317998	40.3007	40.3	
85	1,2,4-Trimethylbenzene	105	8.635	8.635	(0.976)	358152	51.3741	51.4	
86	sec-Butylbenzene	105	8.725	8.726	(0.987)	476373	50.7922	50.8	
87	1,3-Dichlorobenzene	146	8.795	8.795	(0.995)	167157	45.7435	45.7	
88	p-Isopropyltoluene	119	8.811	8.811	(0.996)	392301	50.1695	50.2	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.843	(1.000)	113947	50.0000		
90	1,4-Dichlorobenzene	146	8.854	8.854	(1.001)	171439	45.2836	45.3	
91	n-Butylbenzene	91	9.030	9.030	(1.021)	344512	48.7600	48.8	
92	1,2-Dichlorobenzene	146	9.046	9.046	(1.023)	156938	47.4166	47.4	
93	1,2,4-Trichlorobenzene	180	9.858	9.858	(1.115)	96389	43.9345	43.9	
94	1,2-Dibromo-3-chloropropane	155	9.452	9.457	(1.069)	8457	45.8514	45.8	
95	Hexachlorobutadiene	225	9.927	9.927	(1.123)	58291	43.2991	43.3	
96	Naphthalene	128	10.002	10.002	(1.131)	195840	43.6460	43.6	
97	1,2,3-Trichlorobenzene	180	10.114	10.114	(1.144)	89922	43.3112	43.3	
98	2,methyl-naphthalene	142	10.627	10.632	(1.202)	118012	40.2901	40.3	
99	1-Methylnaphthalene	142	10.744	10.745	(1.215)	125191	49.9709	50.0	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d
Date : 28-SEP-2016 23:19
Client ID:
Sample Info: 8260-ICV,131984:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Page 5

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

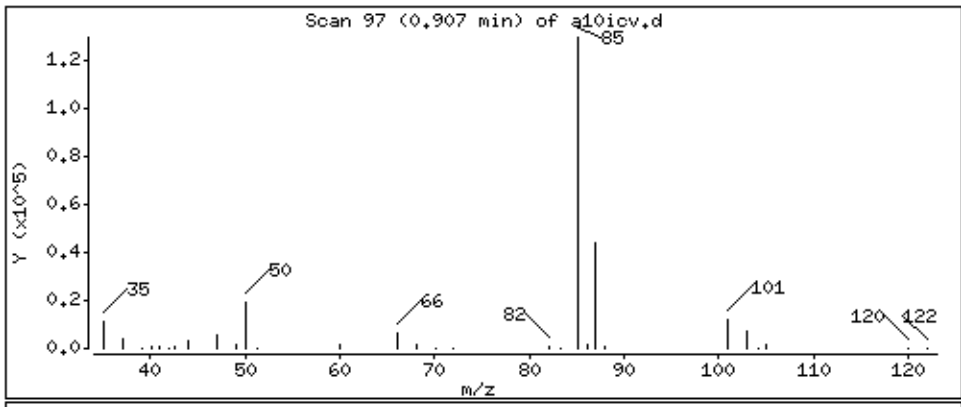
Column phase: DB-624

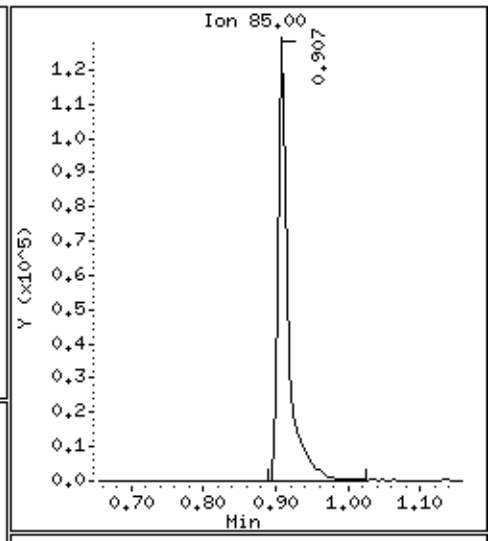
Column diameter: 0.18

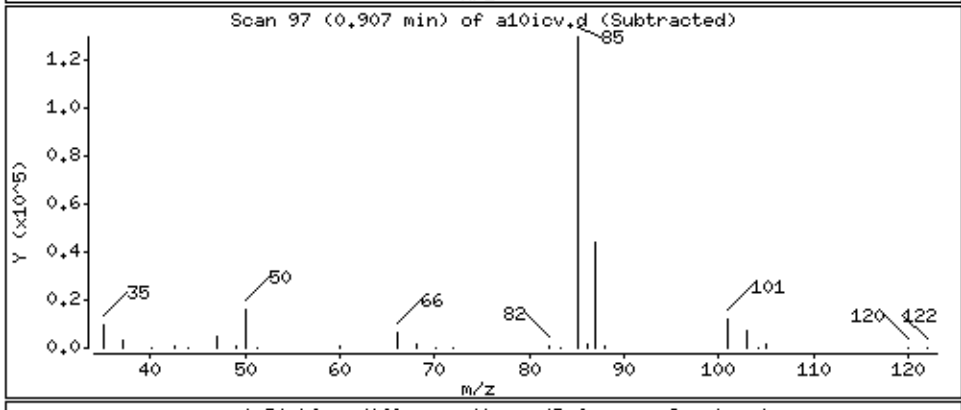
1 Dichlorodifluoromethane

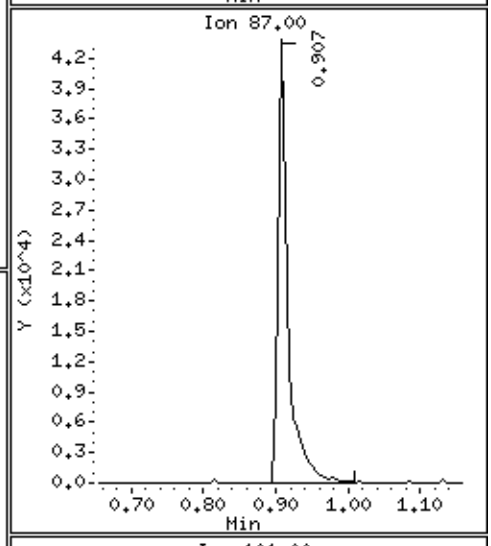
Concentration: 54.1 ppb

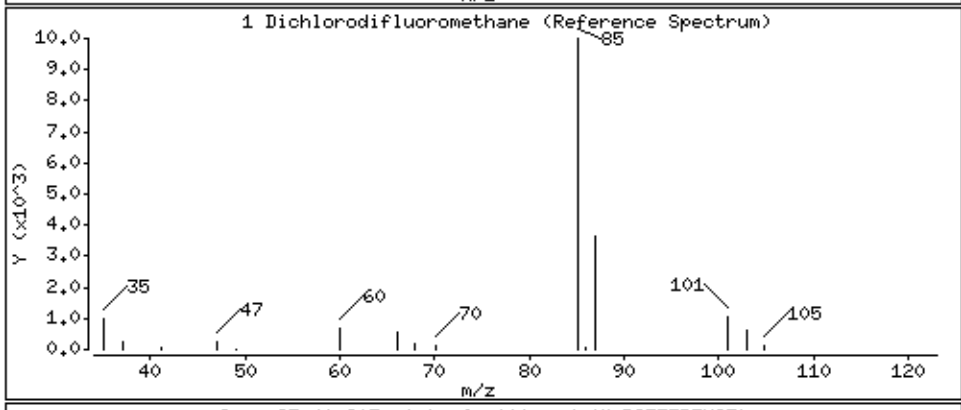
Review Code:

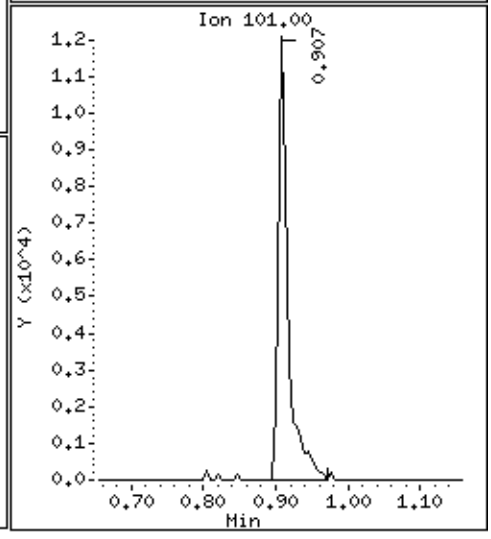


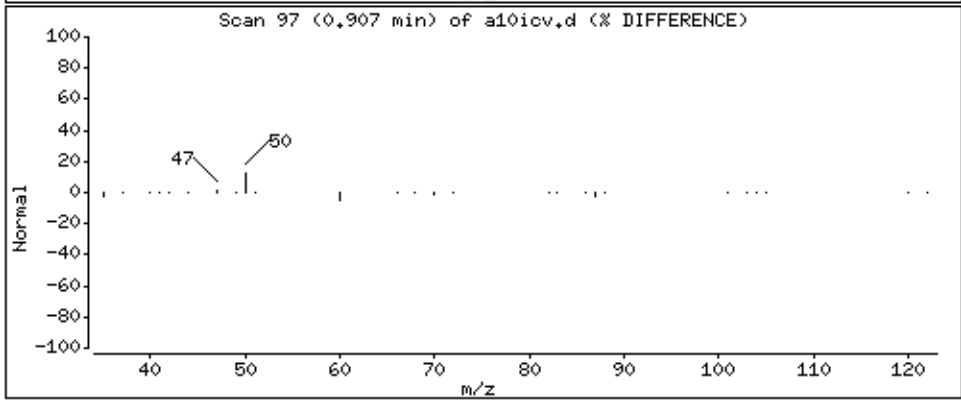












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

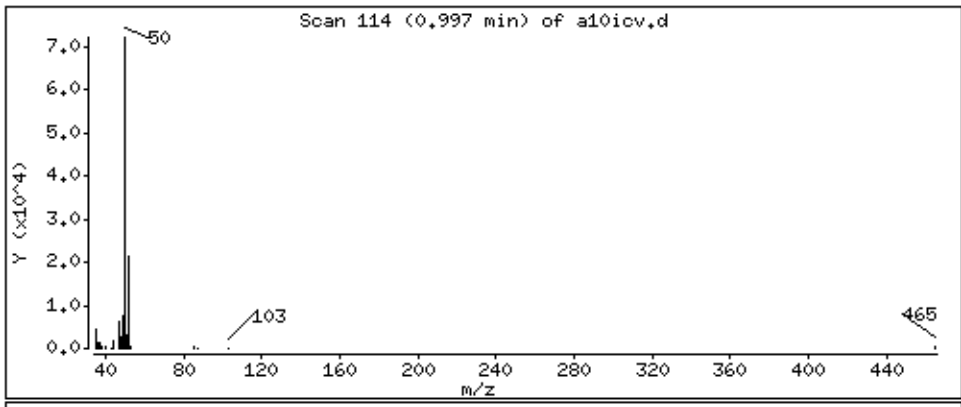
Column phase: DB-624

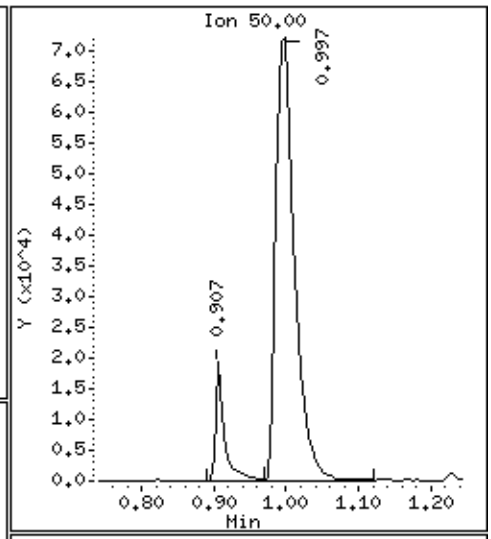
Column diameter: 0.18

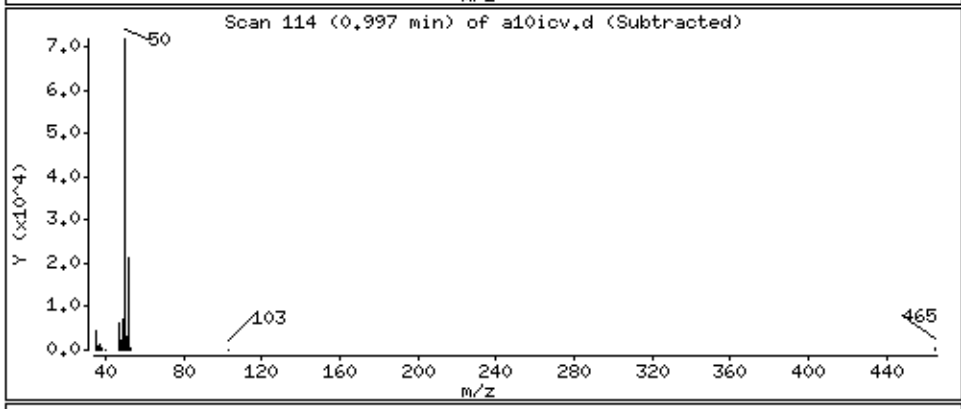
2 Chloromethane

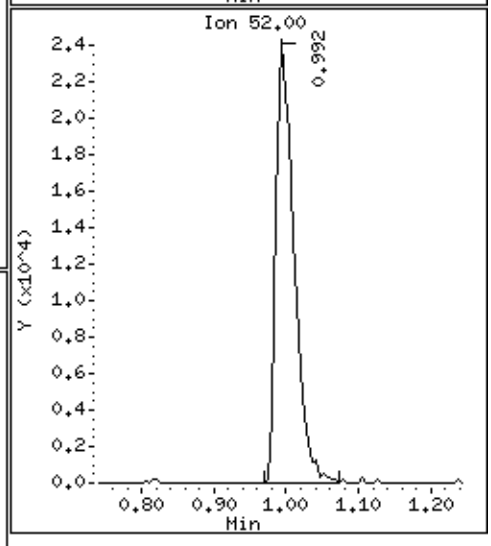
Concentration: 47.3 ppb

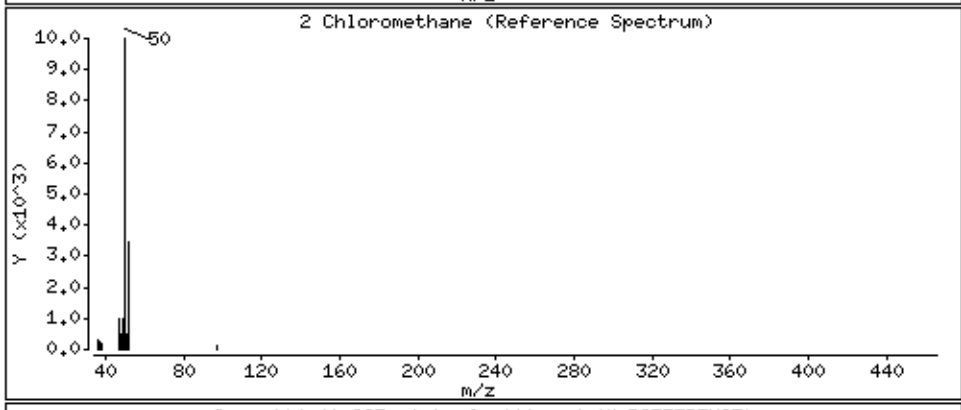
Review Code:

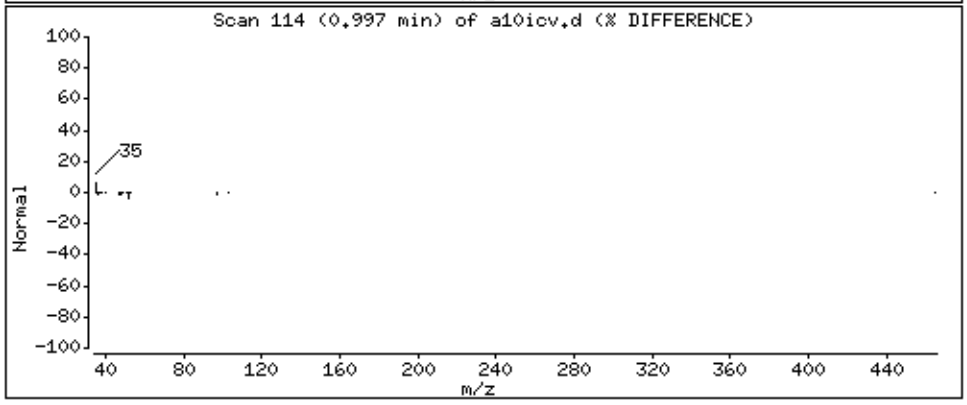












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

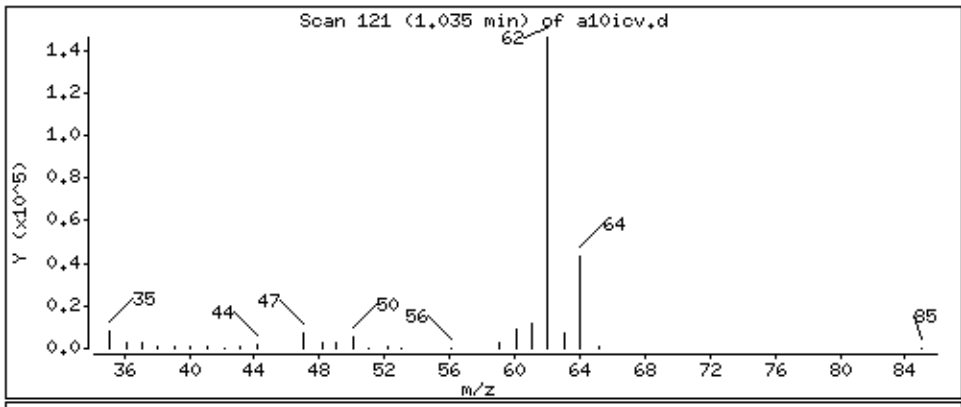
Column phase: DB-624

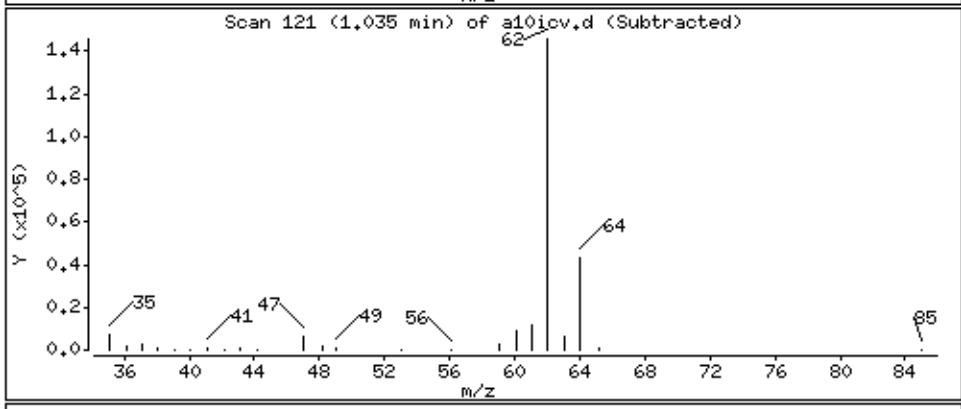
Column diameter: 0.18

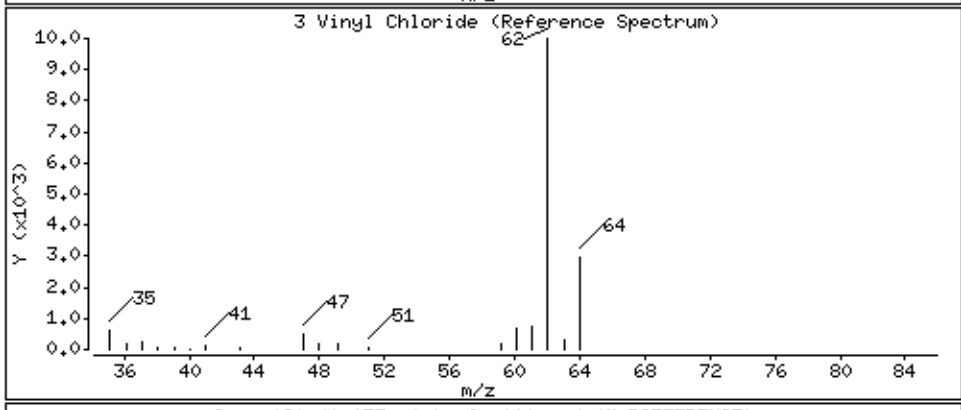
3 Vinyl Chloride

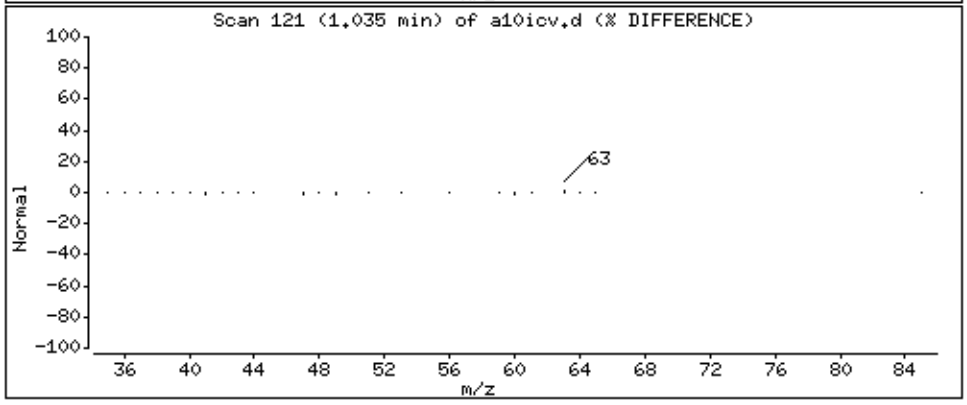
Concentration: 51.8 ppb

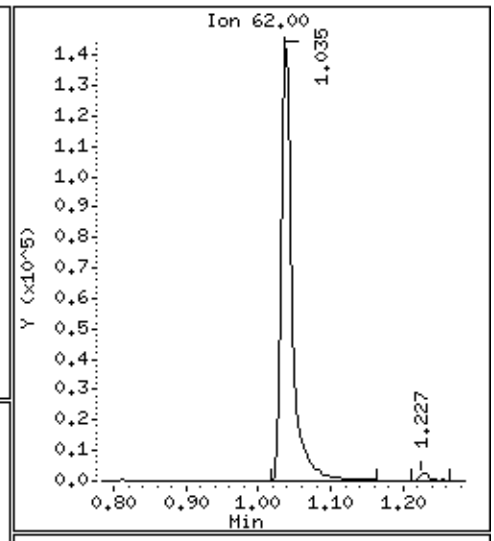
Review Code:

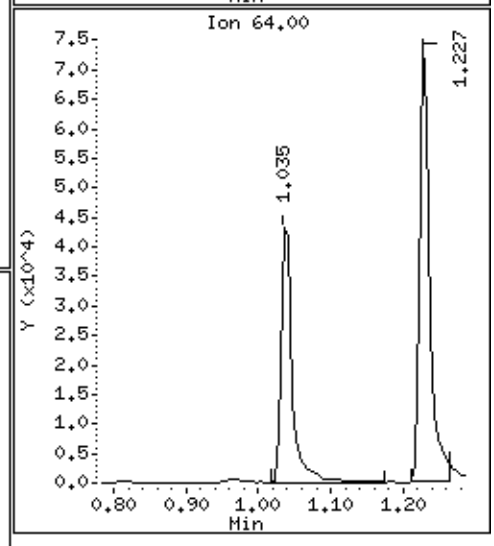












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

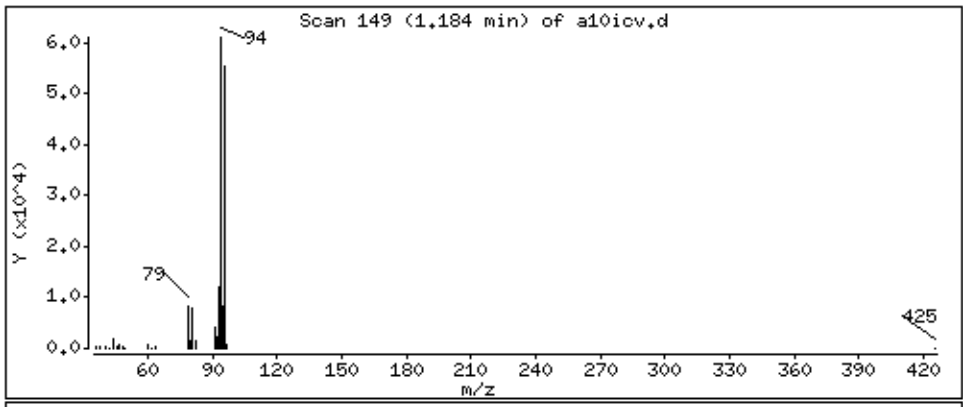
Column phase: DB-624

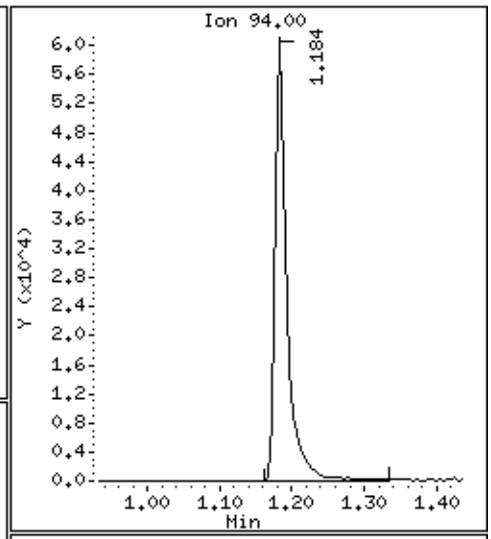
Column diameter: 0.18

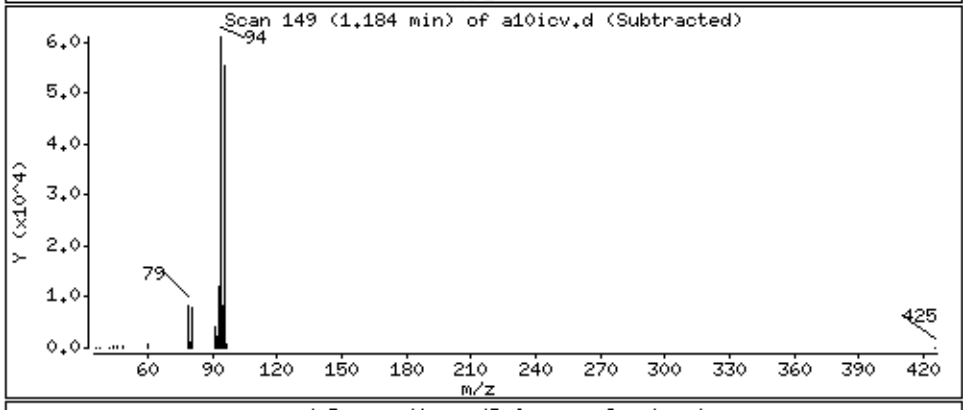
4 Bromomethane

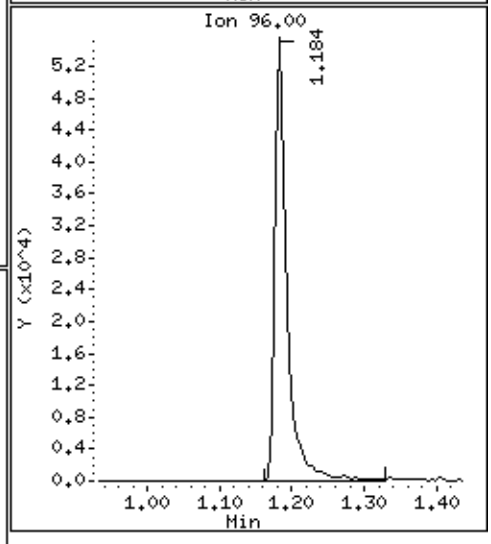
Concentration: 49.4 ppb

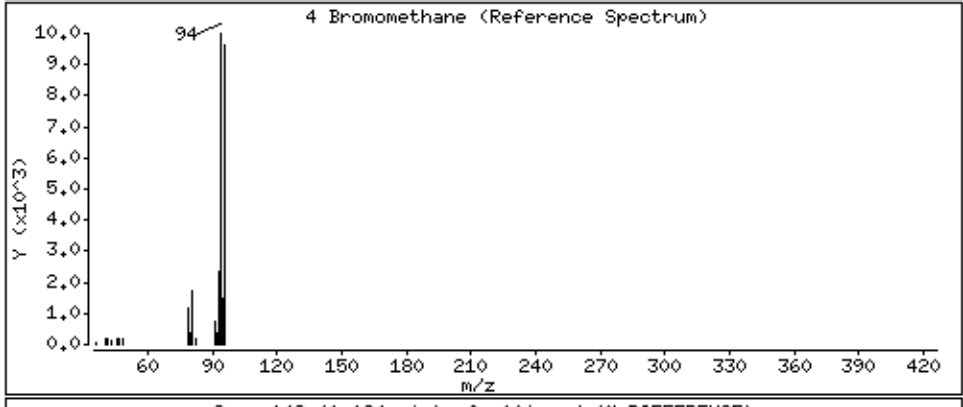
Review Code:

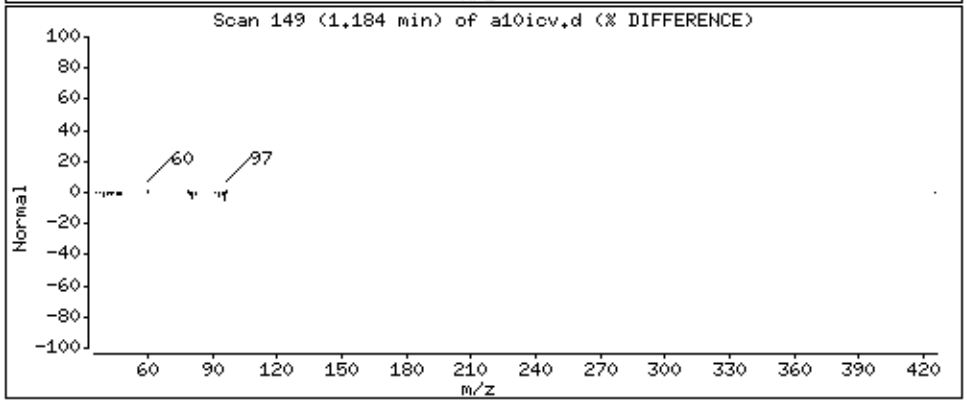












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

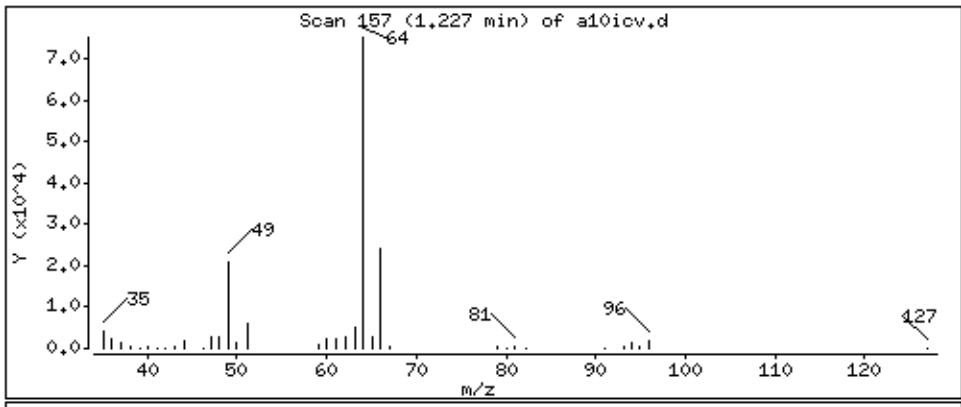
Column phase: DB-624

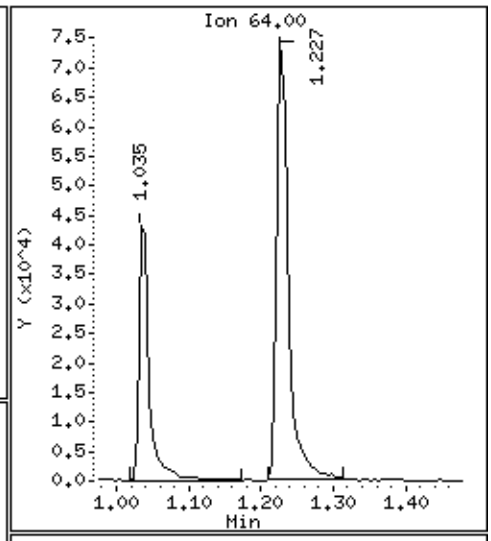
Column diameter: 0.18

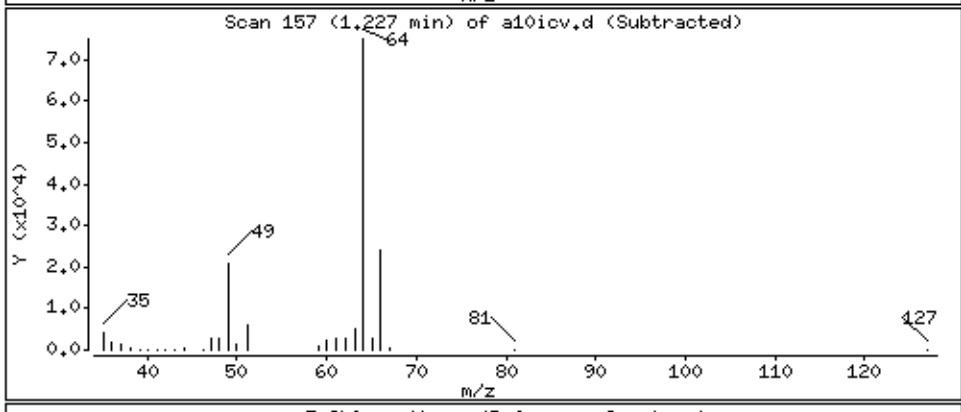
5 Chloroethane

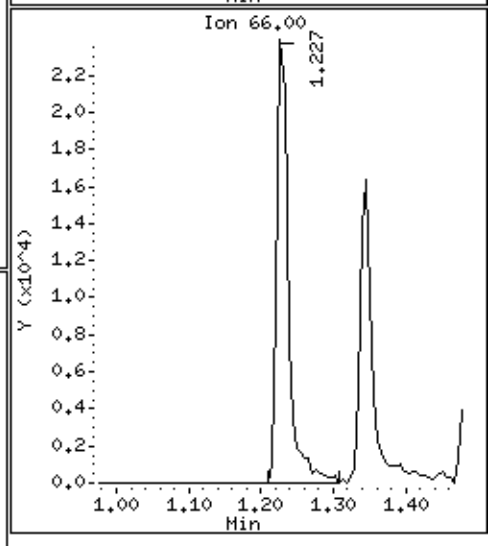
Concentration: 47.0 ppb

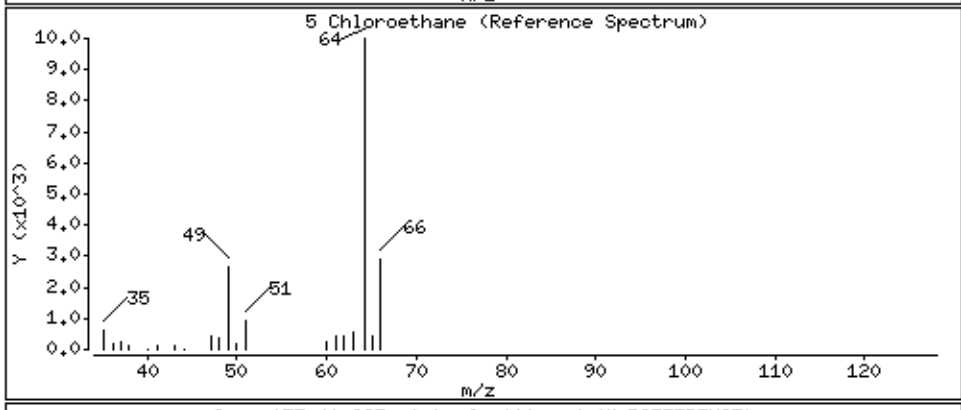
Review Code:

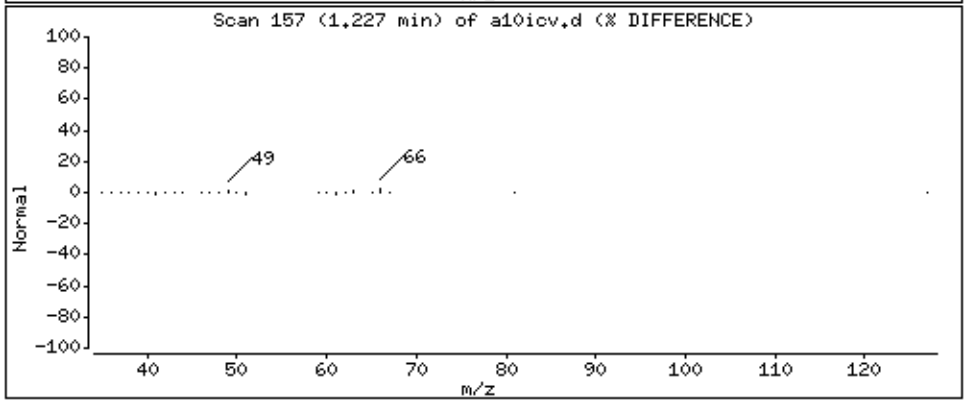












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

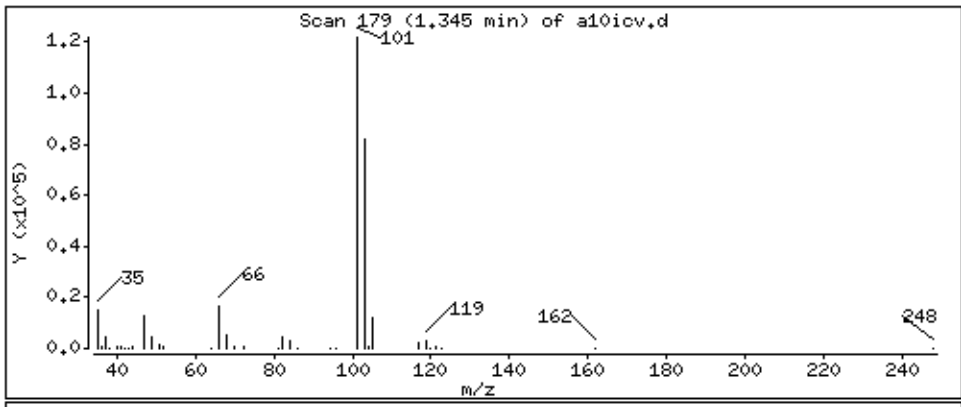
Column phase: DB-624

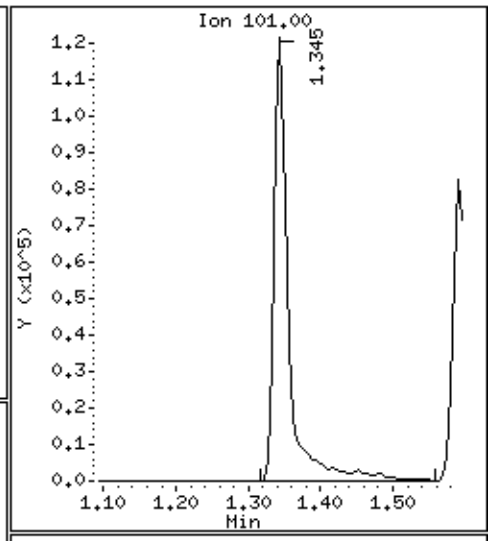
Column diameter: 0.18

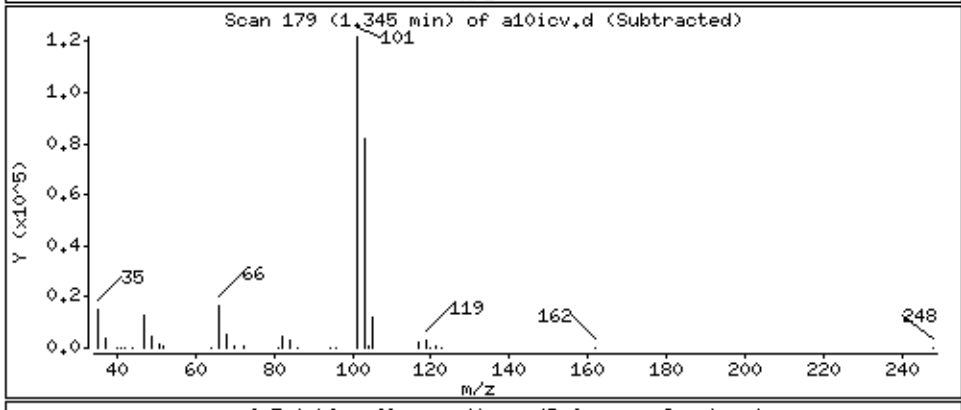
6 Trichlorofluoromethane

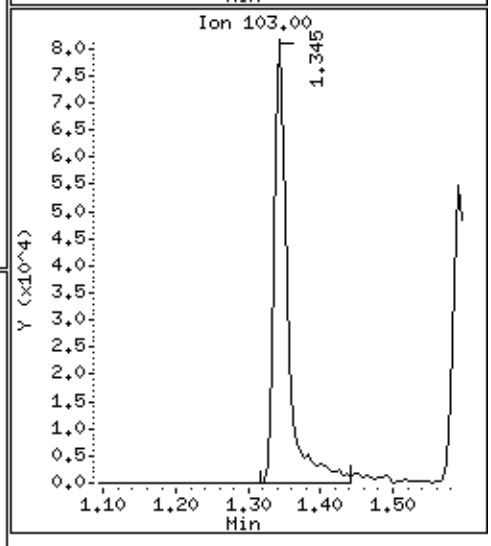
Concentration: 51.8 ppb

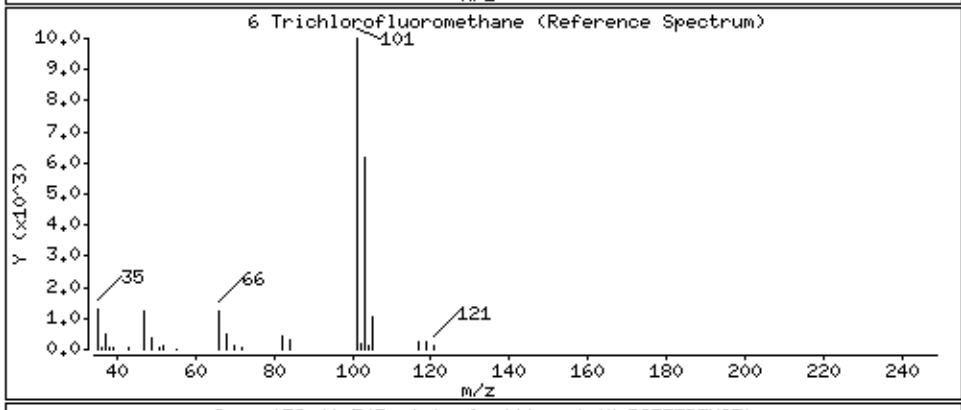
Review Code:

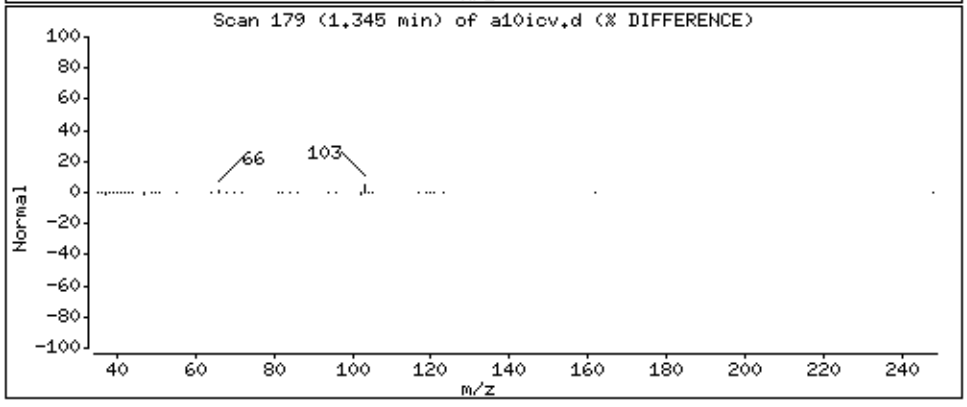












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

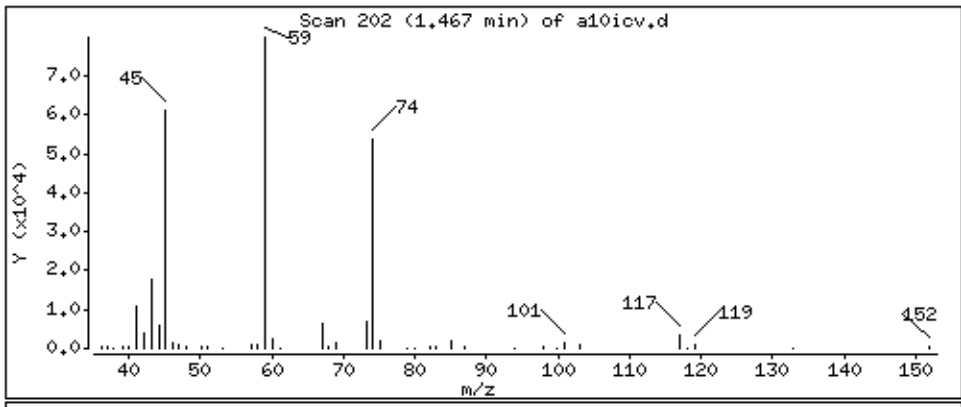
Column phase: DB-624

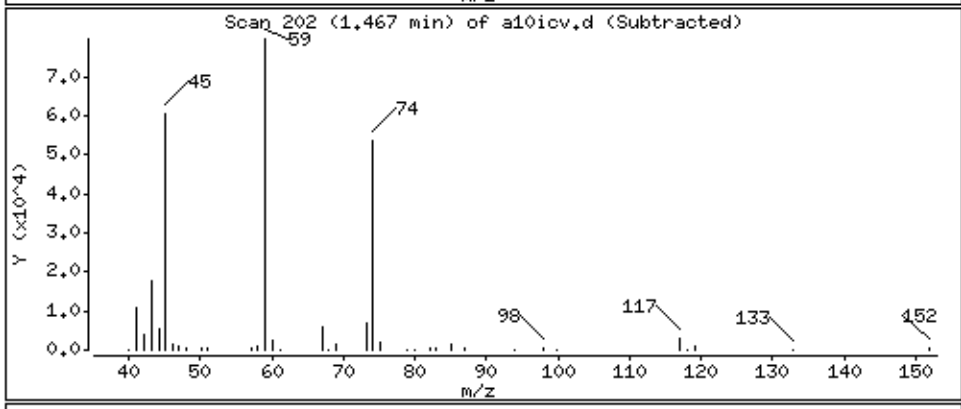
Column diameter: 0.18

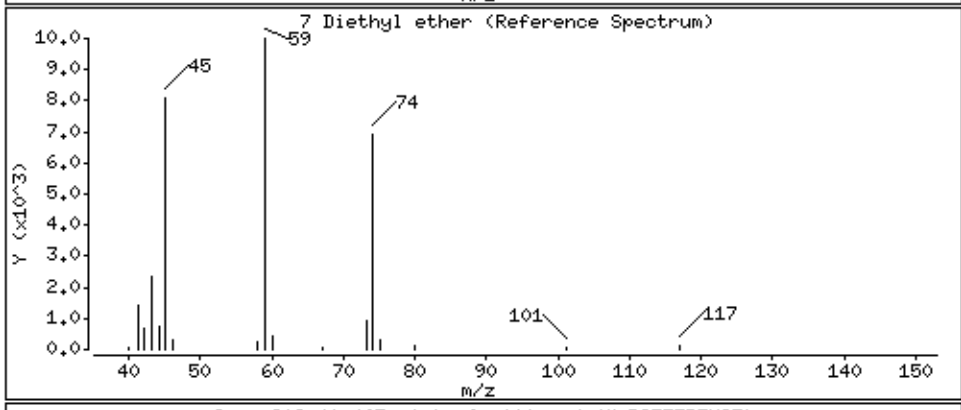
7 Diethyl ether

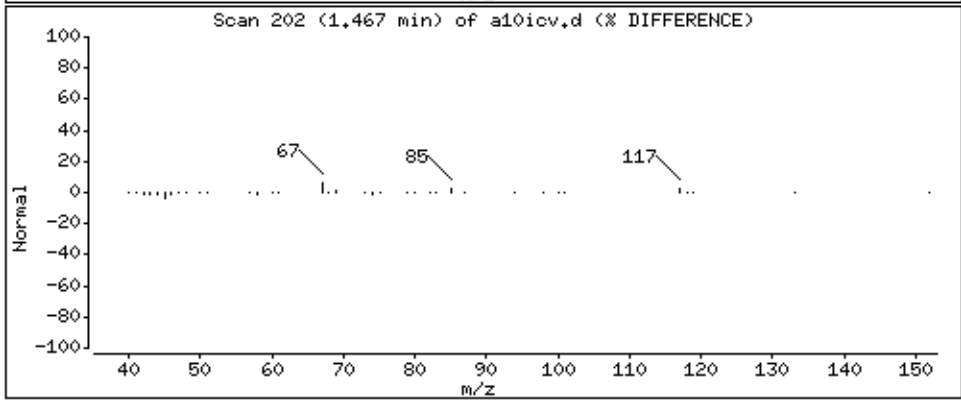
Concentration: 45.3 ppb

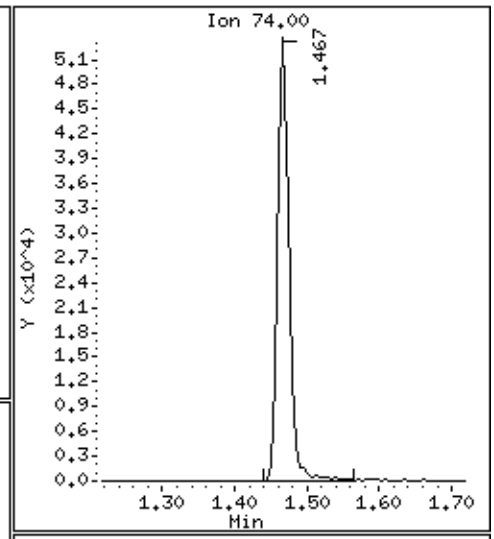
Review Code:

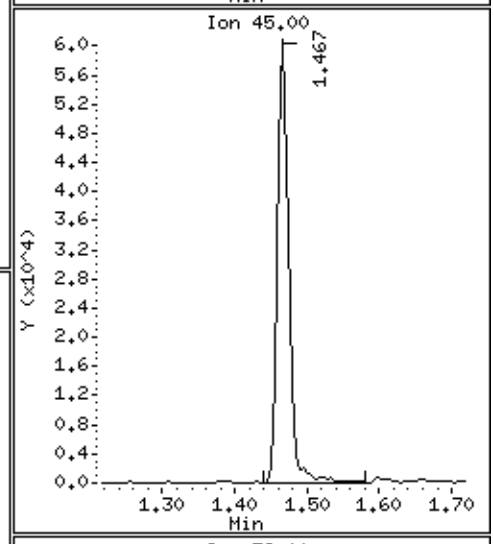


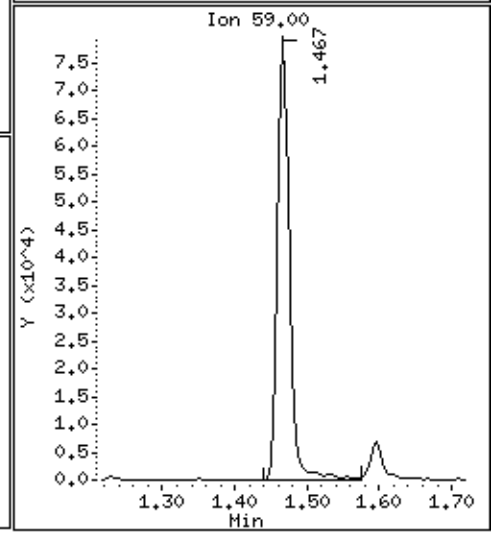












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

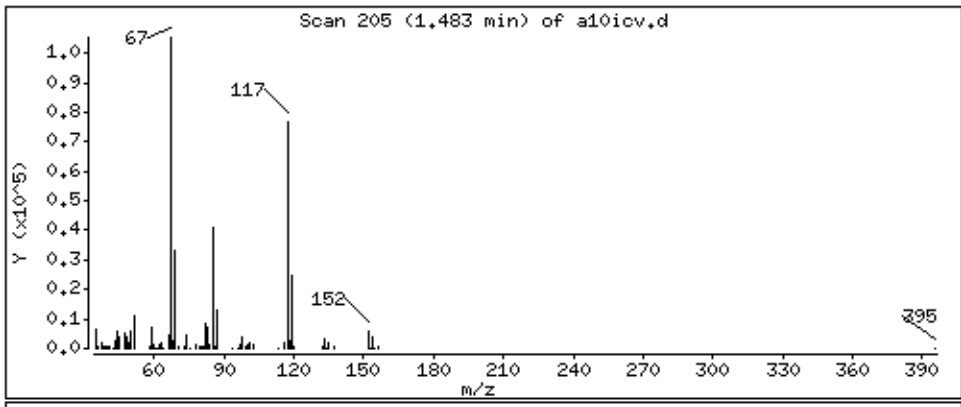
Column phase: DB-624

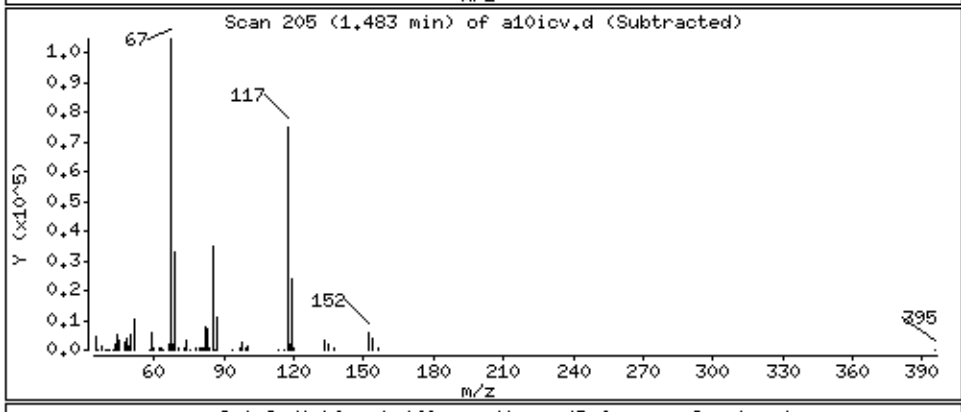
Column diameter: 0.18

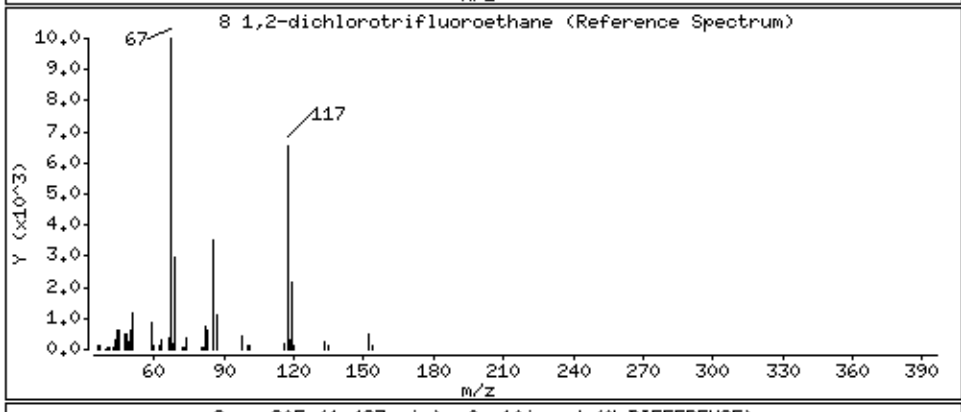
8 1,2-dichlorotrifluoroethane

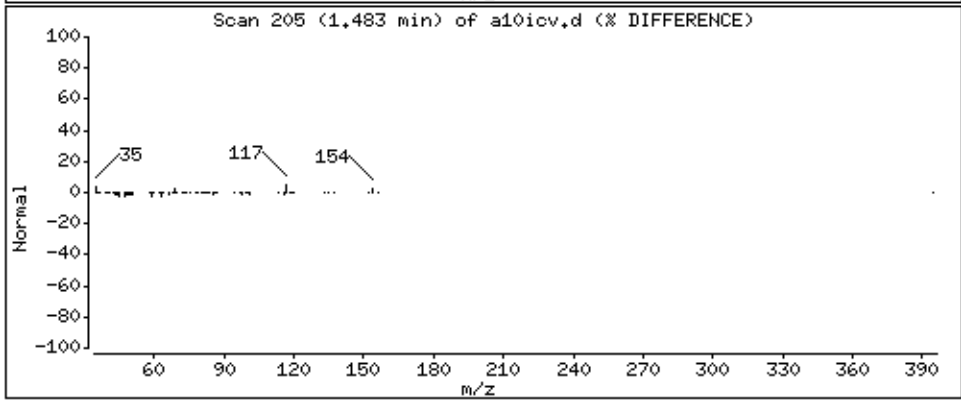
Concentration: 43.4 ppb

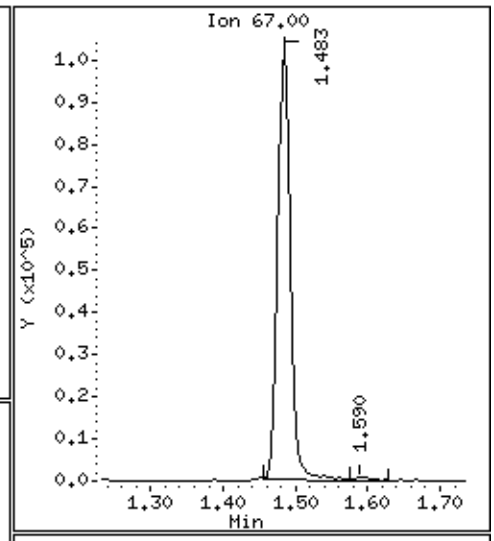
Review Code:

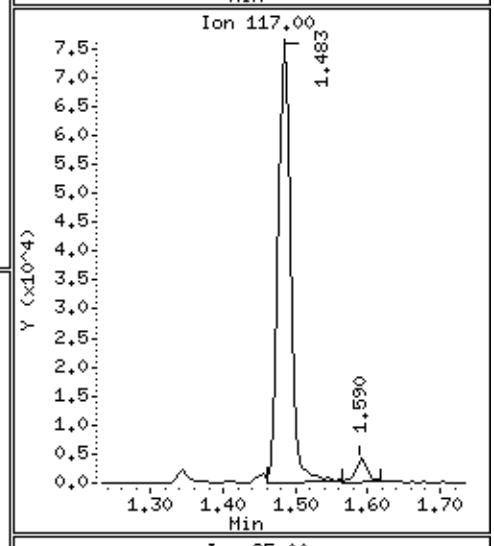


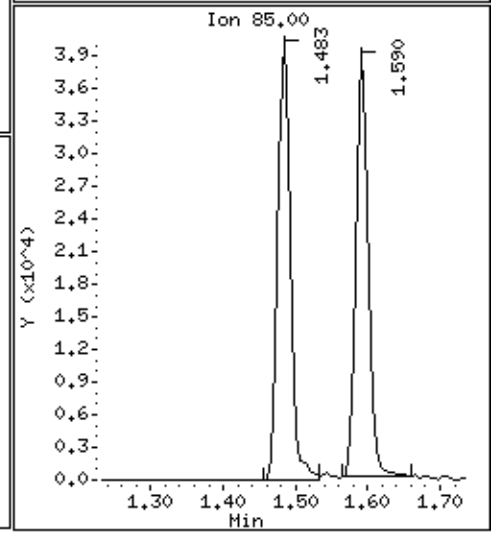












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

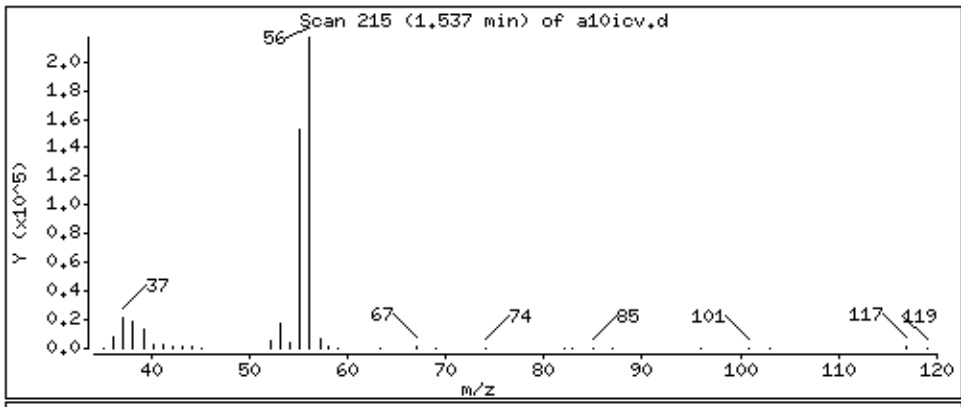
Column phase: DB-624

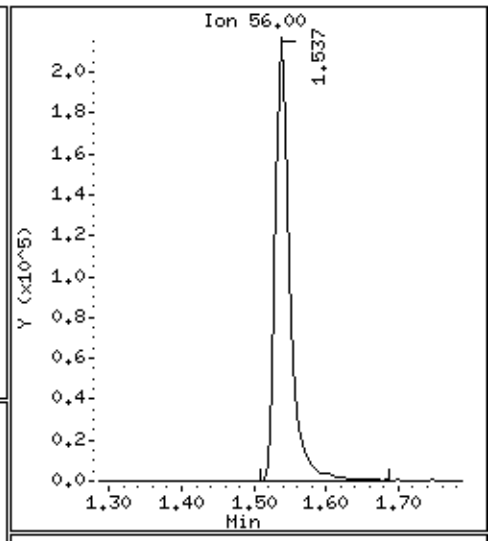
Column diameter: 0.18

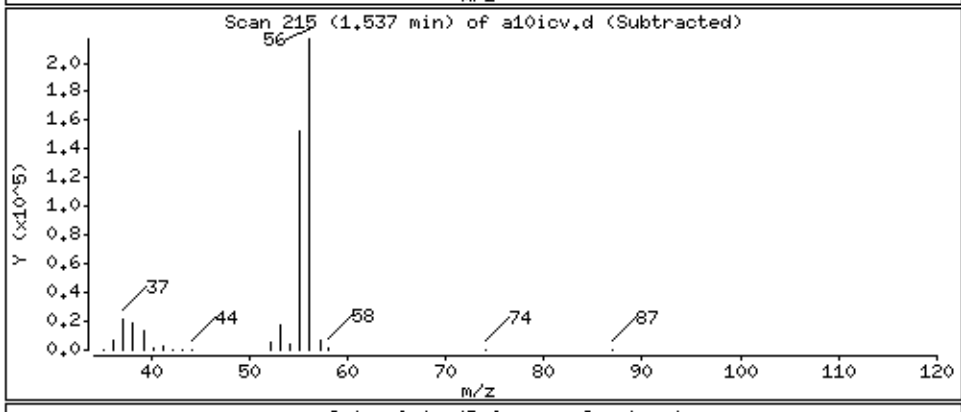
9 Acrolein

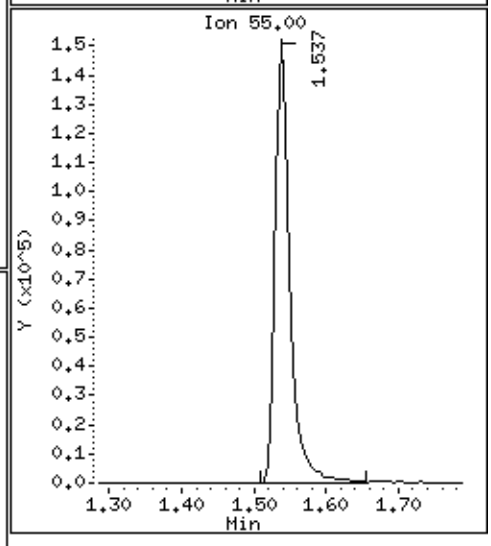
Concentration: 1340 ppb

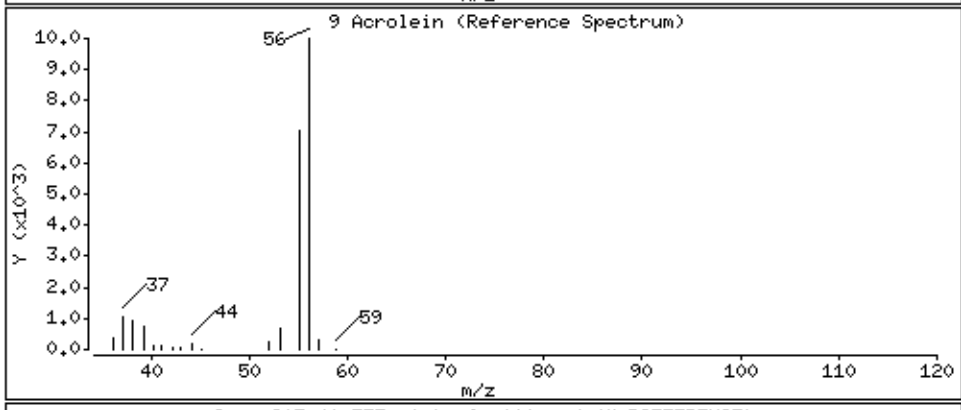
Review Code:

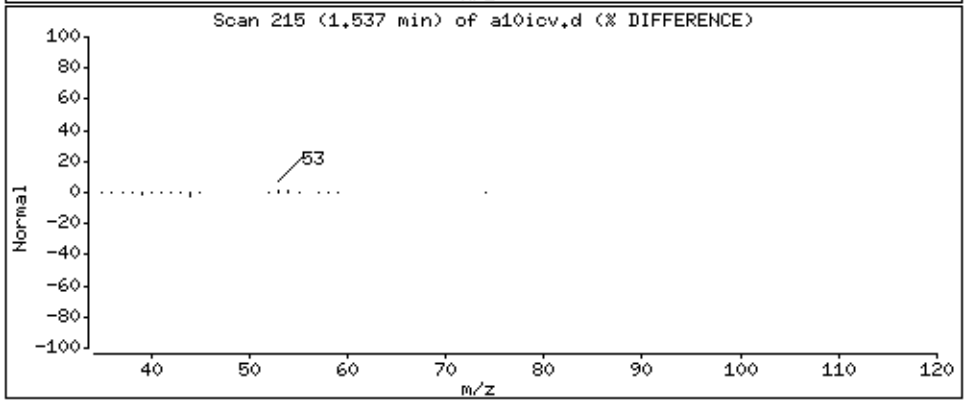












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

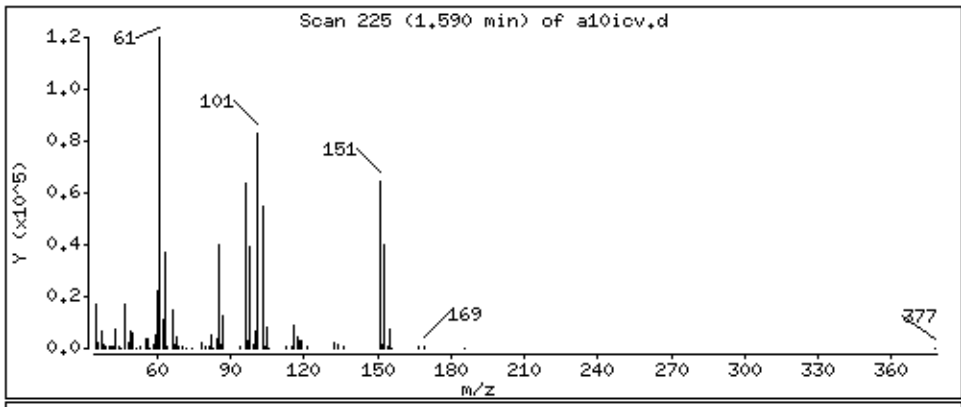
Column phase: DB-624

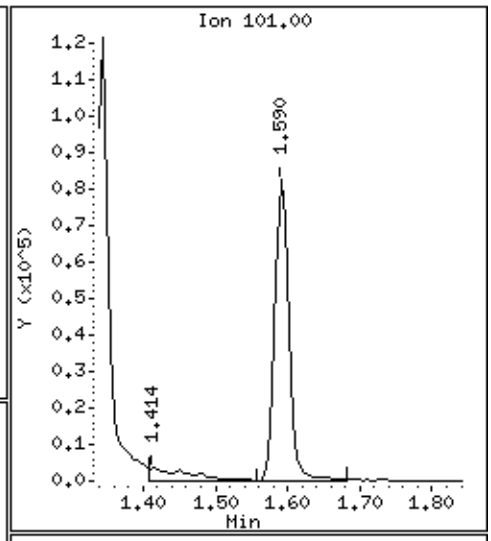
Column diameter: 0.18

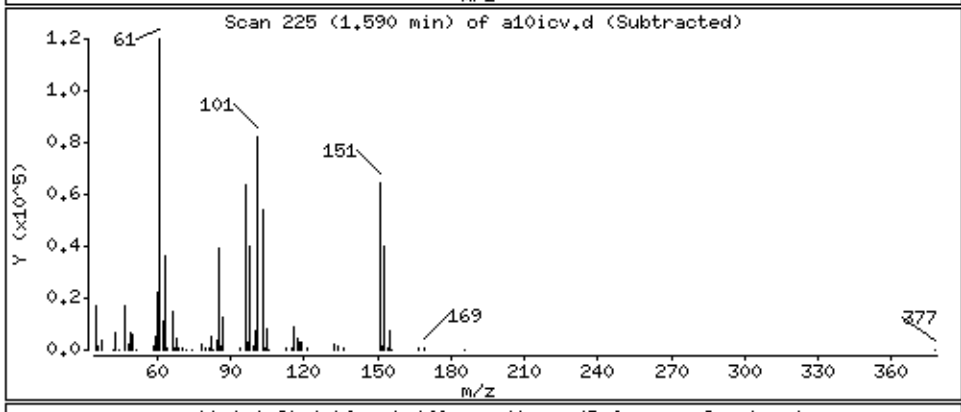
10 1,1,2trichlorotrifluoroethane

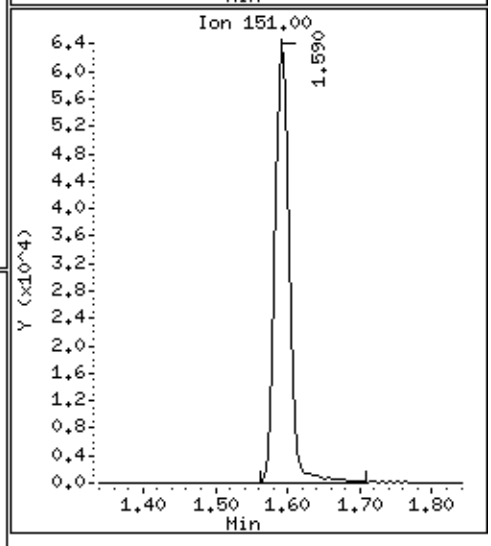
Concentration: 45.6 ppb

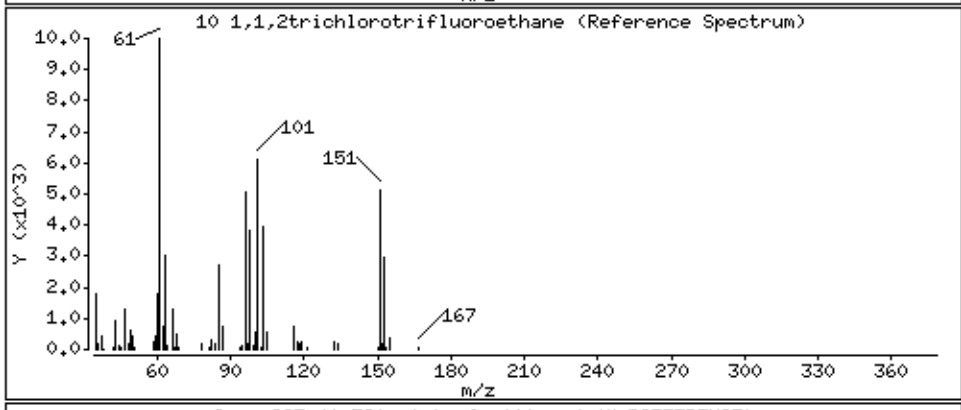
Review Code:

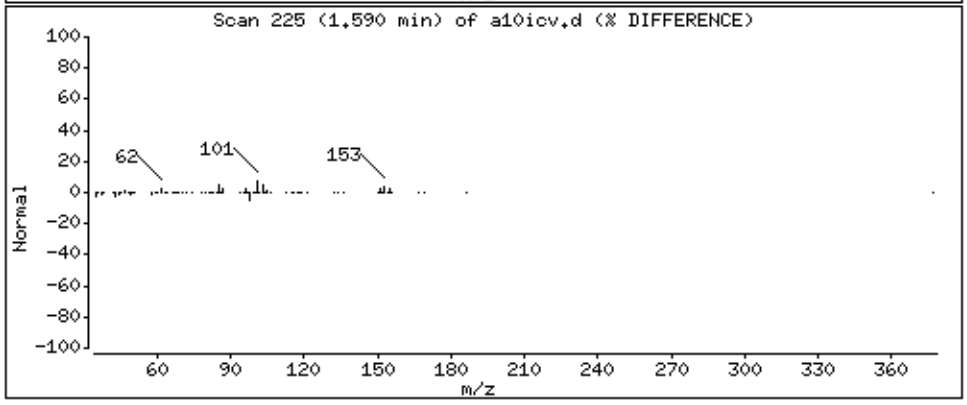












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

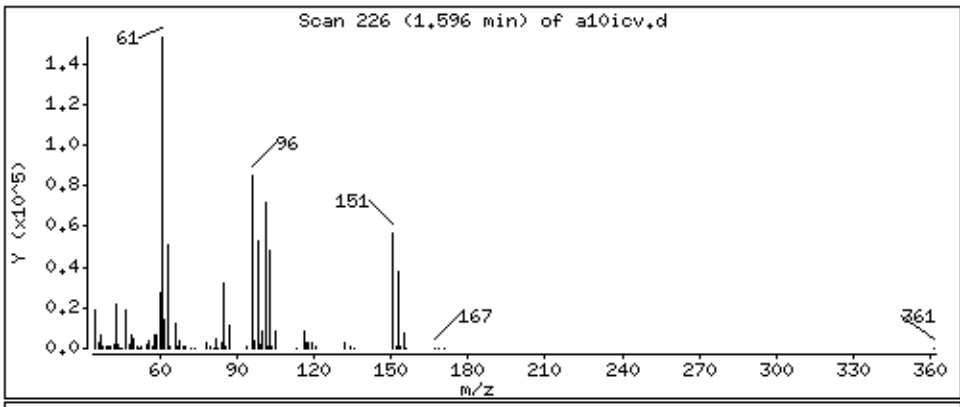
Column phase: DB-624

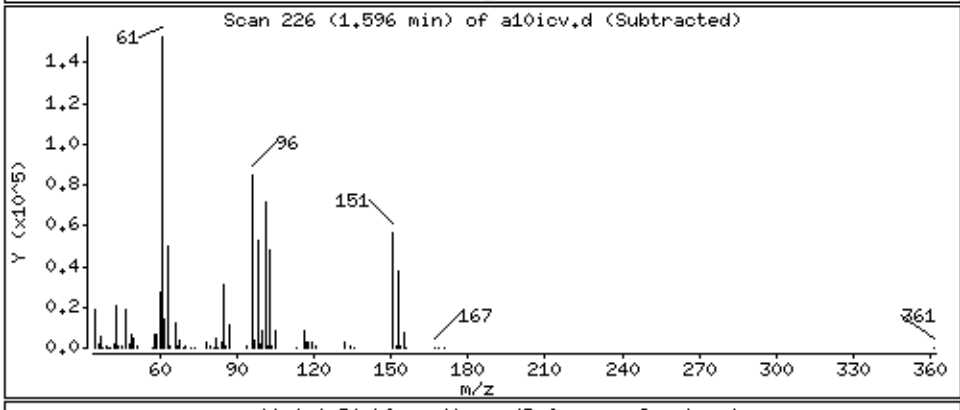
Column diameter: 0.18

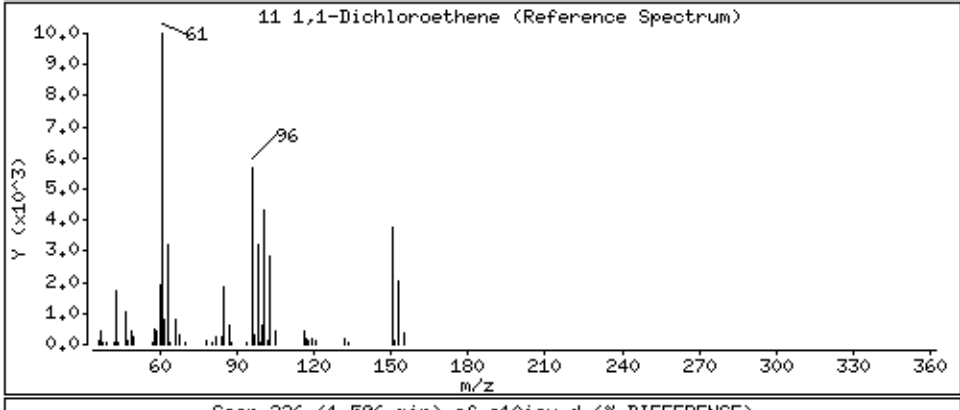
11 1,1-Dichloroethene

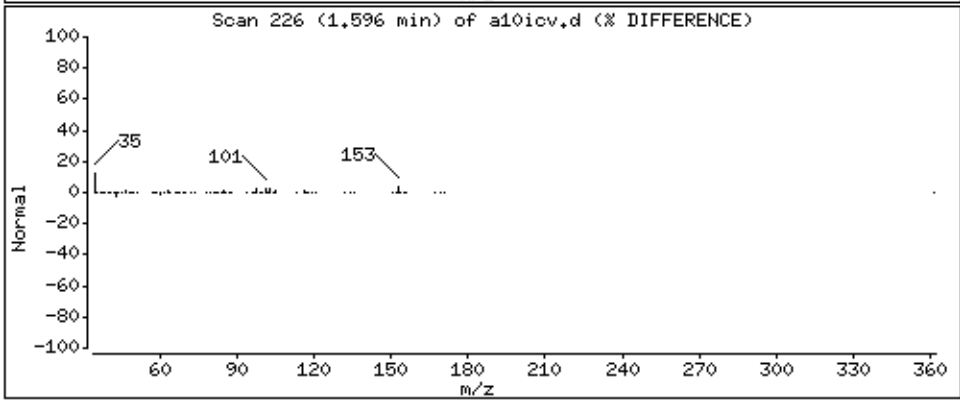
Concentration: 48.6 ppb

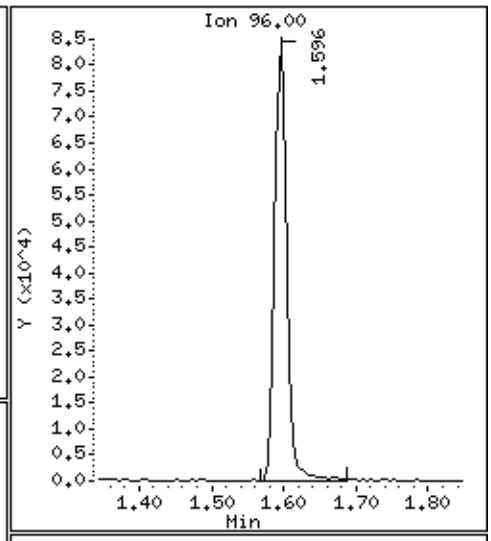
Review Code:

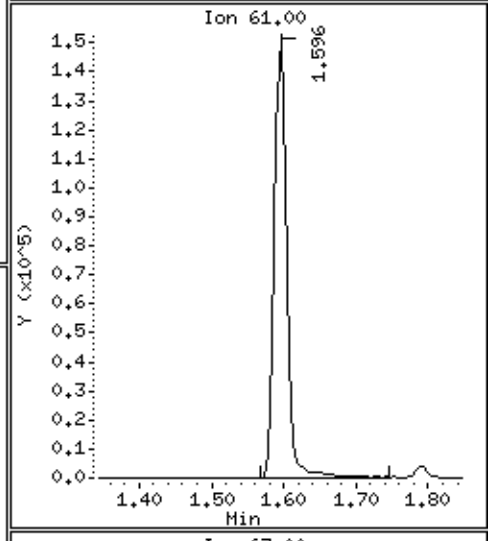


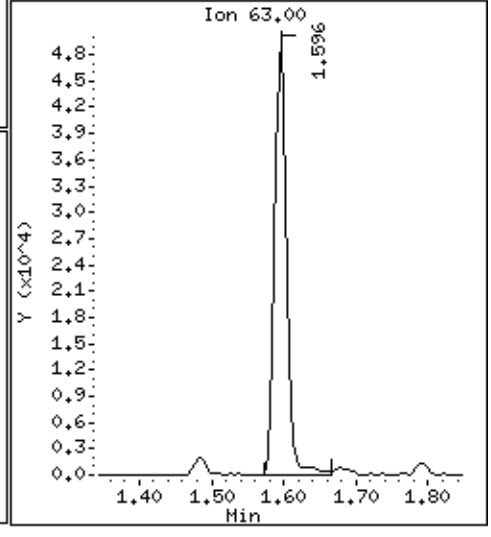












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

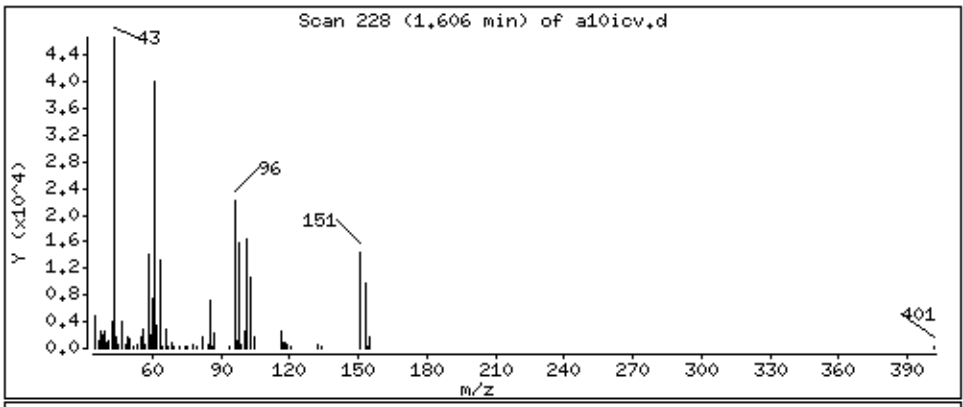
Column phase: DB-624

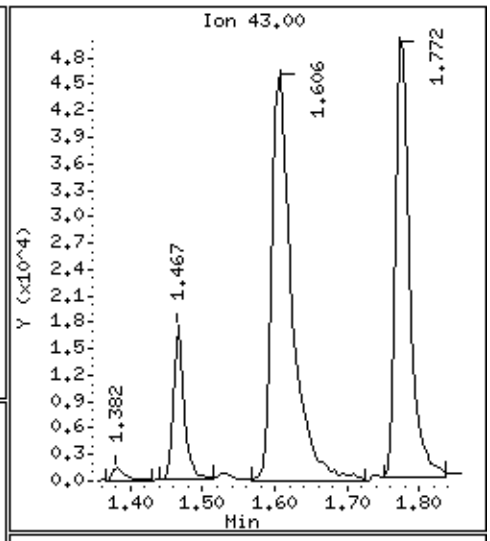
Column diameter: 0.18

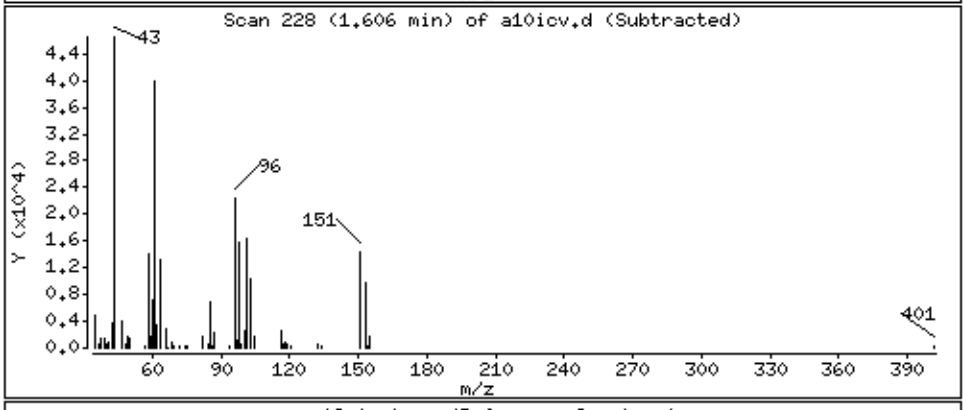
12 Acetone

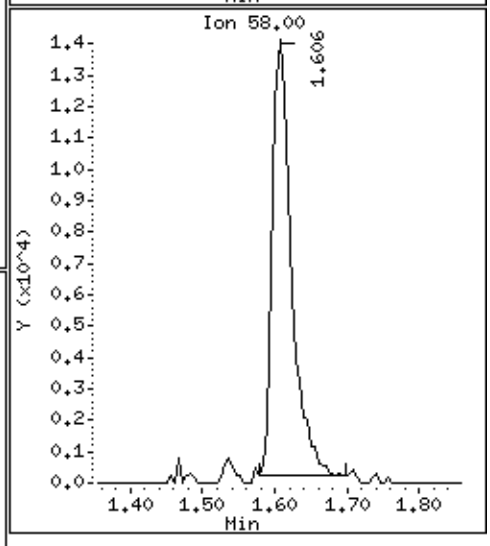
Concentration: 229 ppb

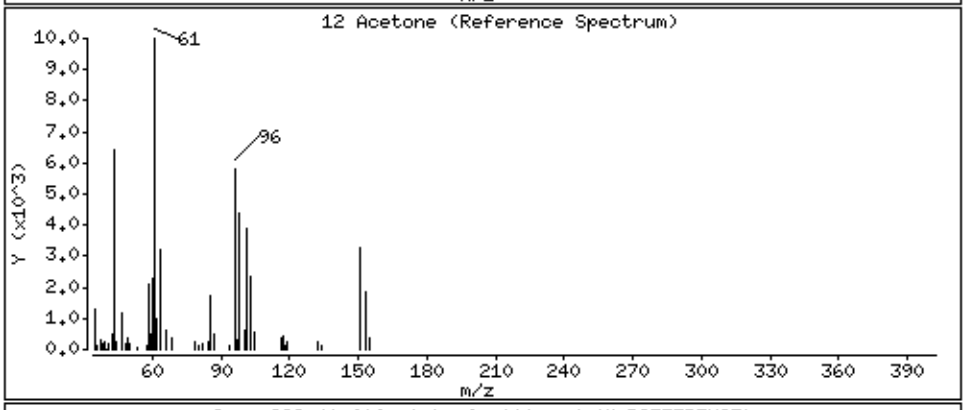
Review Code:

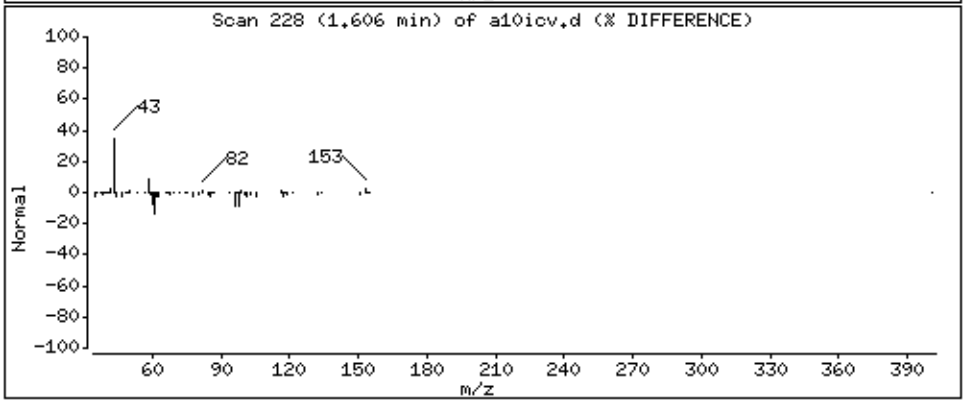












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

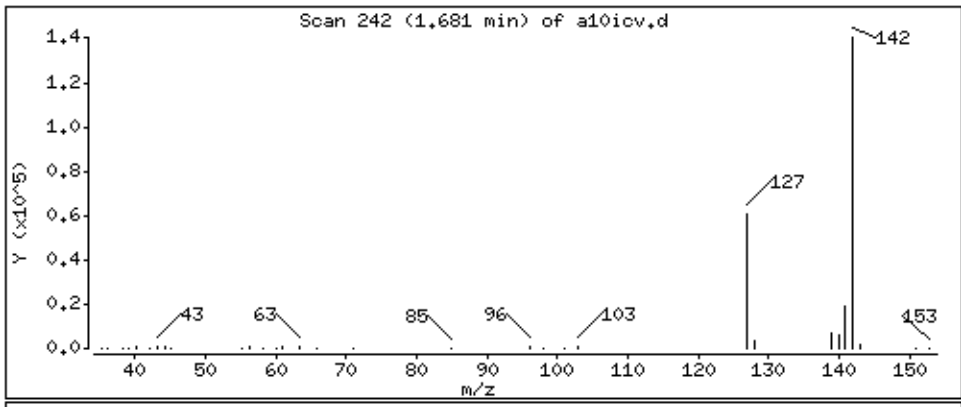
Column phase: DB-624

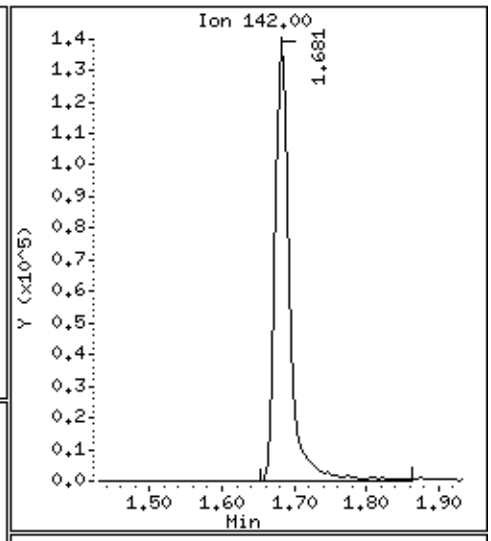
Column diameter: 0.18

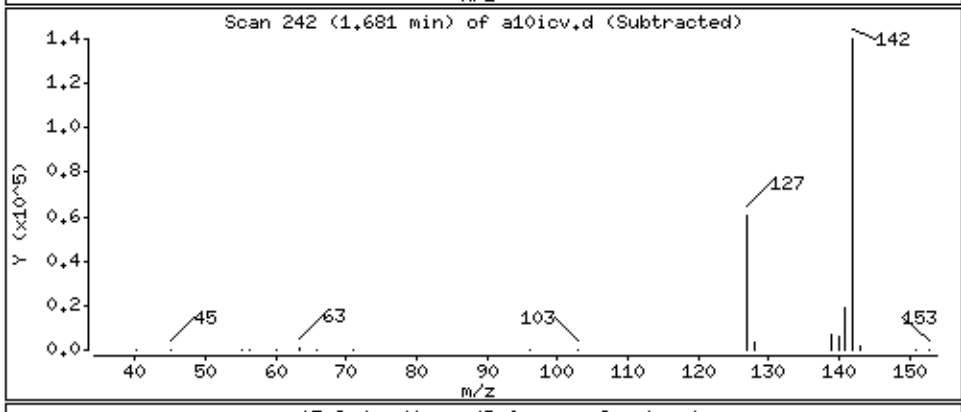
13 Iodomethane

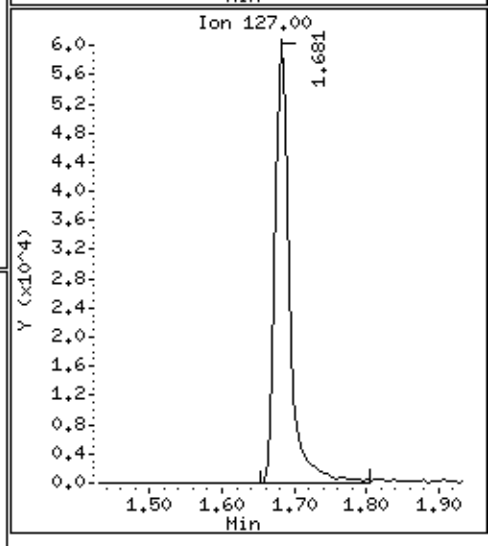
Concentration: 104 ppb

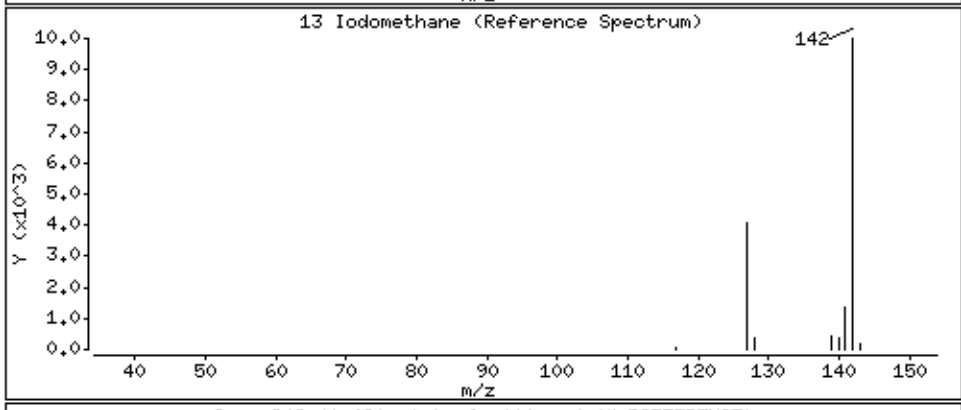
Review Code:

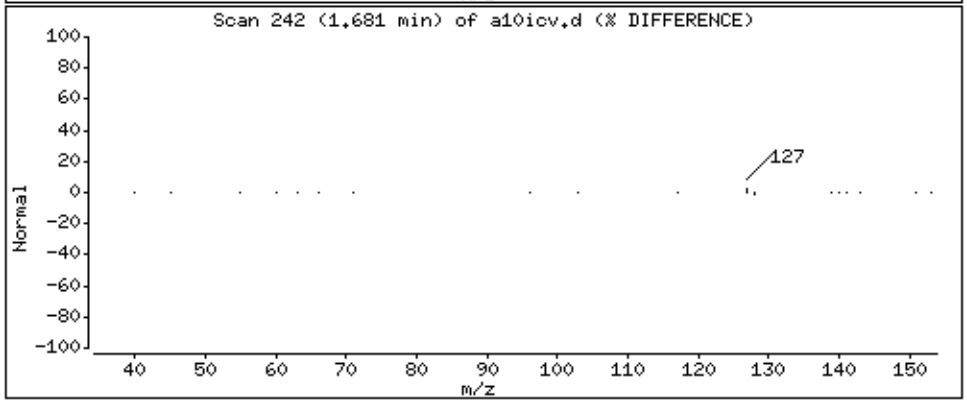












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

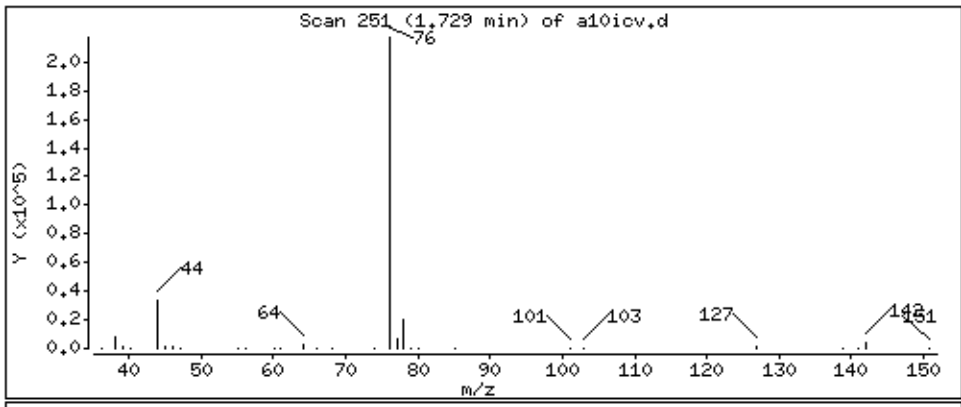
Column phase: DB-624

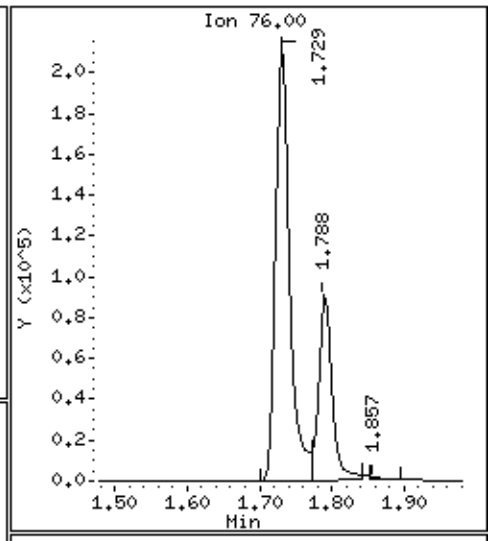
Column diameter: 0.18

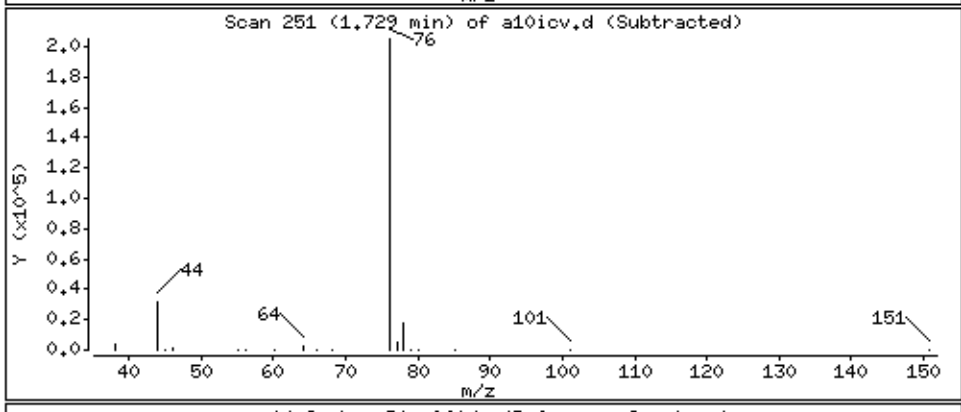
14 Carbon Disulfide

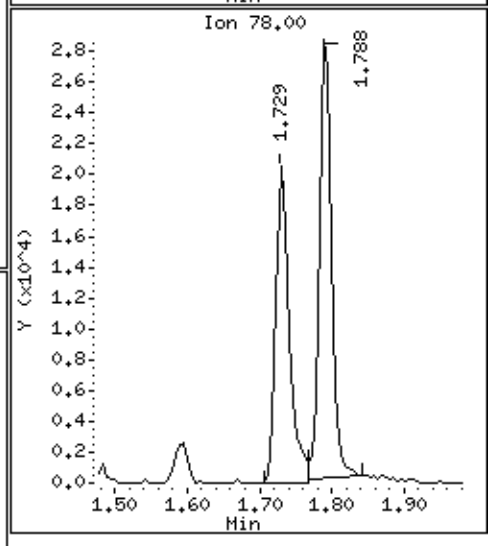
Concentration: 46.9 ppb

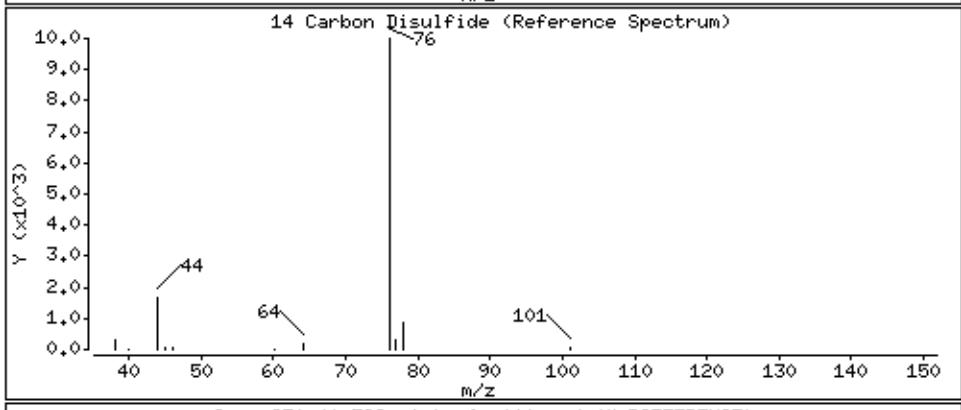
Review Code:

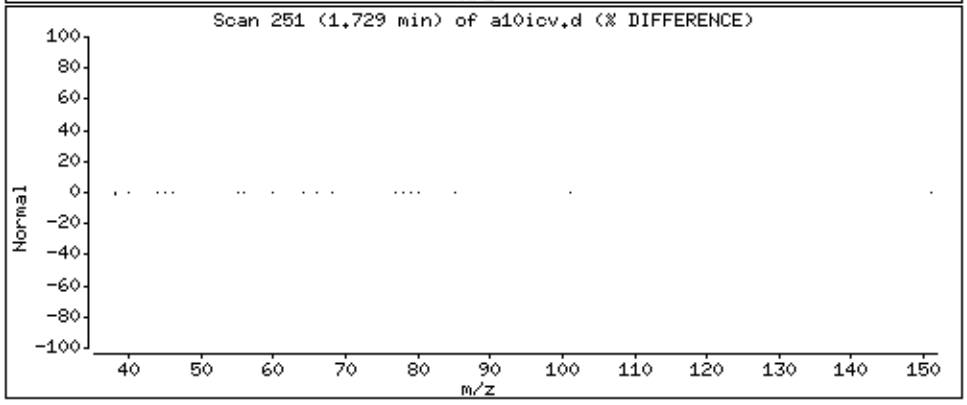












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

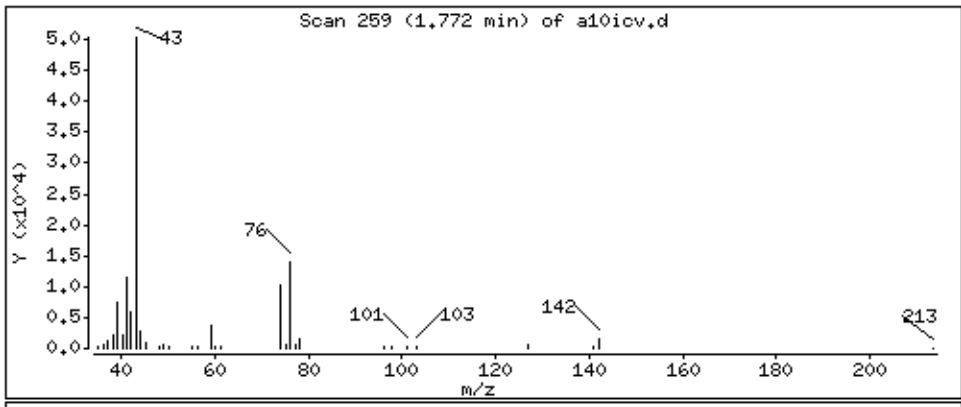
Column phase: DB-624

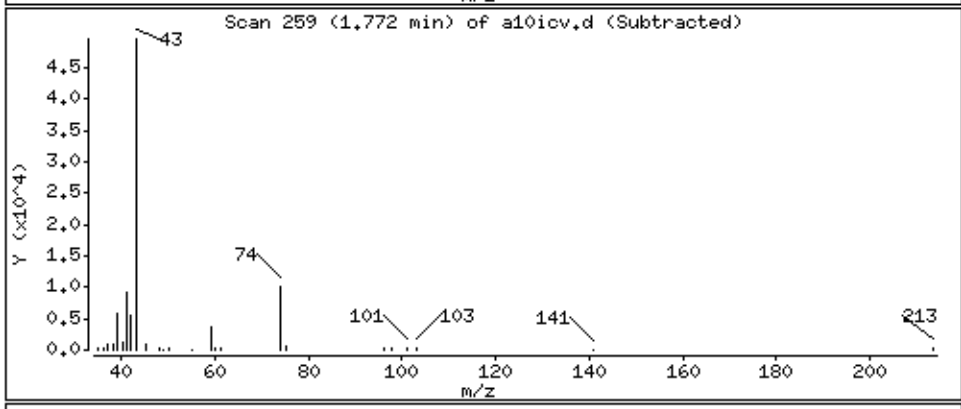
Column diameter: 0.18

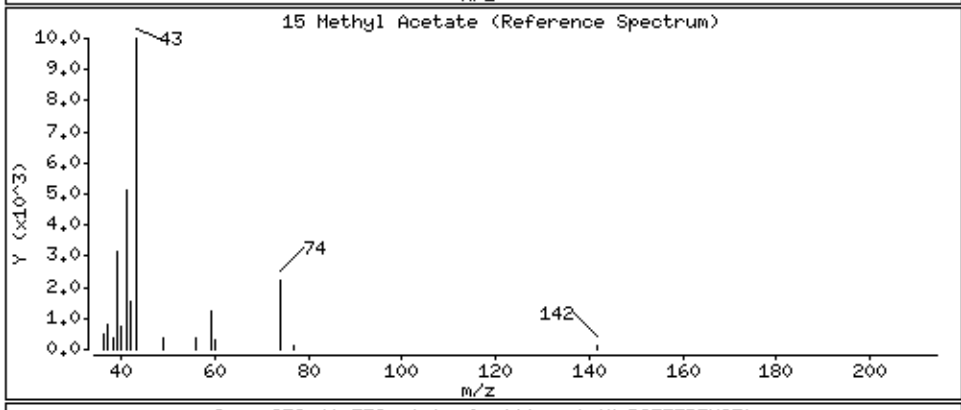
15 Methyl Acetate

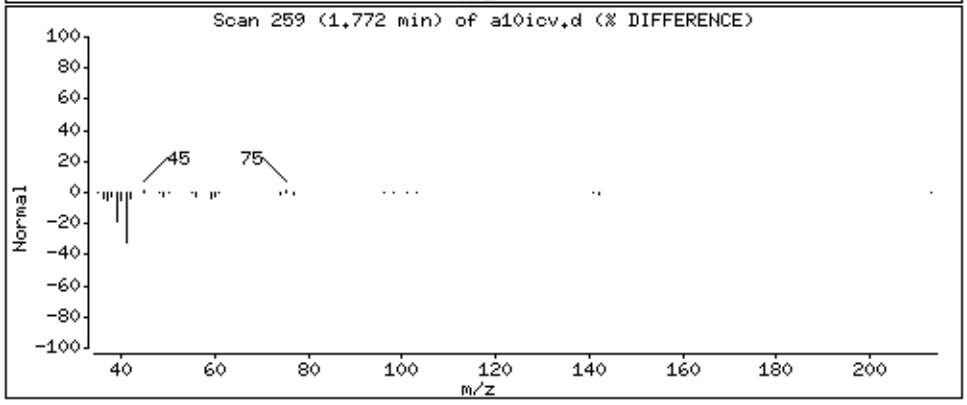
Concentration: 61.2 ppb

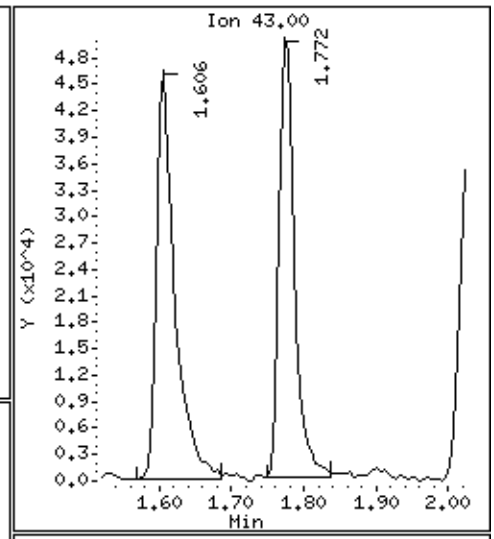
Review Code:

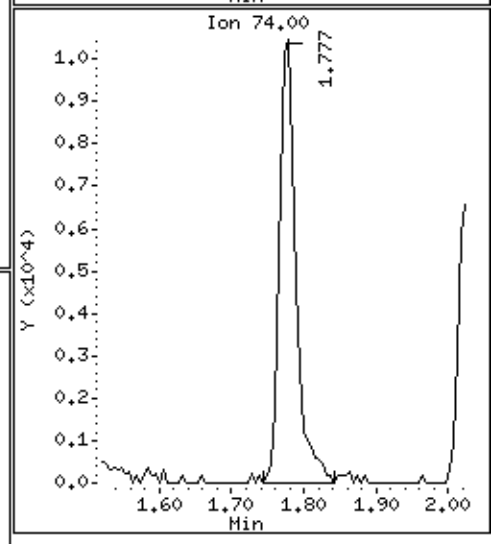












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

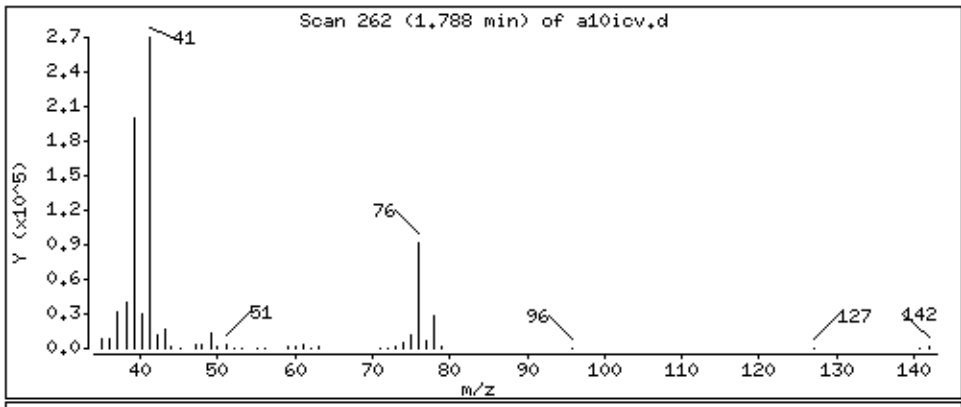
Column phase: DB-624

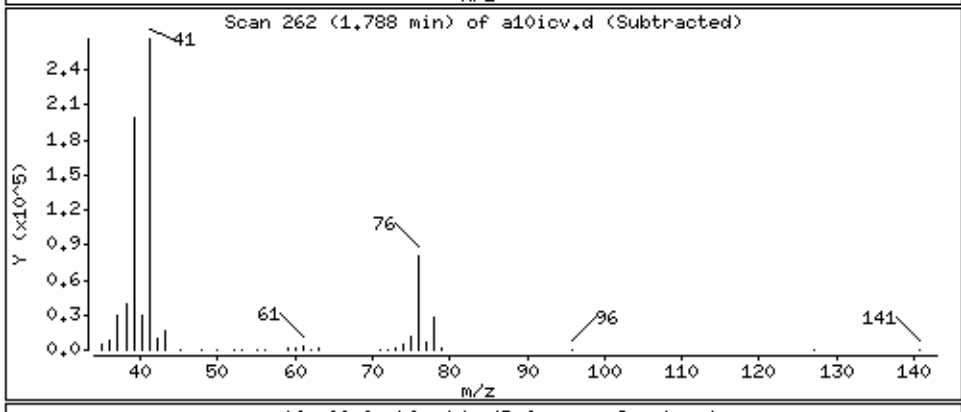
Column diameter: 0.18

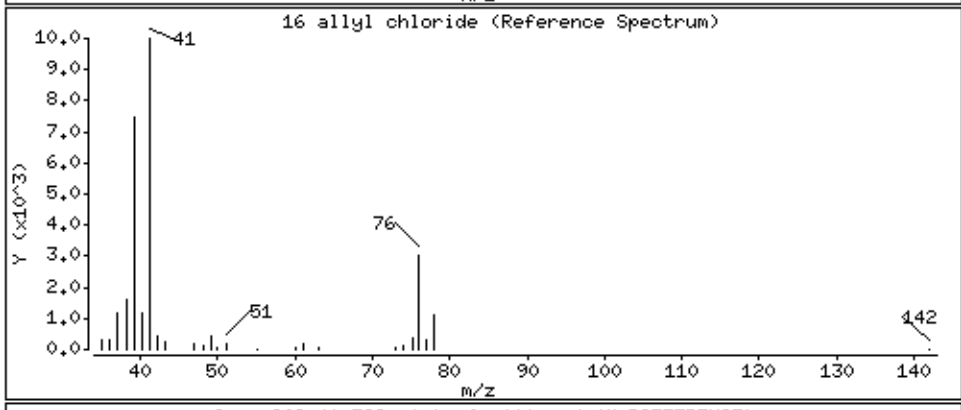
16 allyl chloride

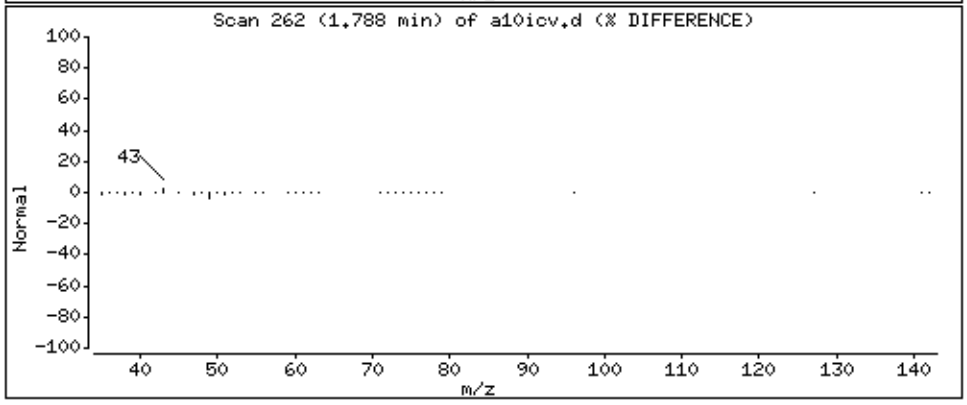
Concentration: 87.4 ppb

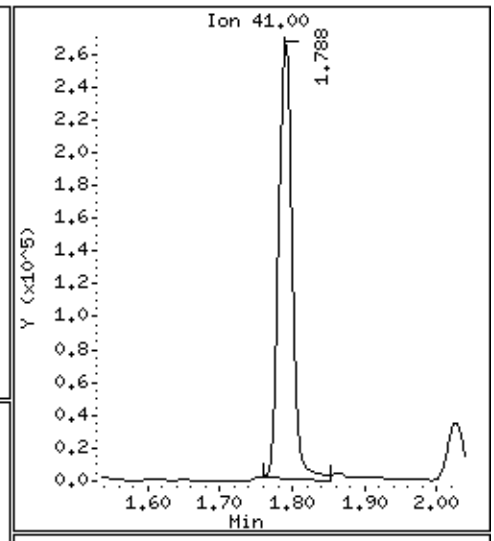
Review Code:

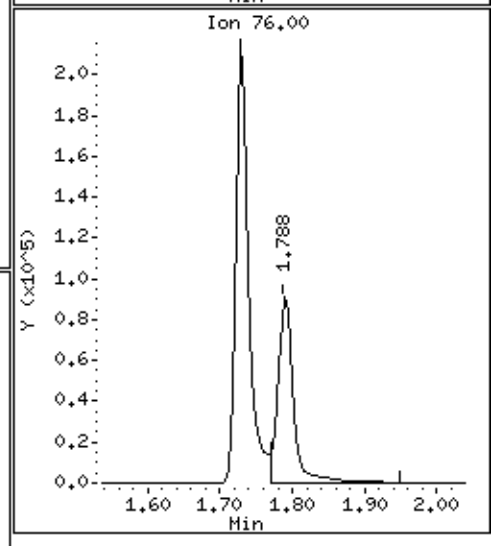












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Page 21

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

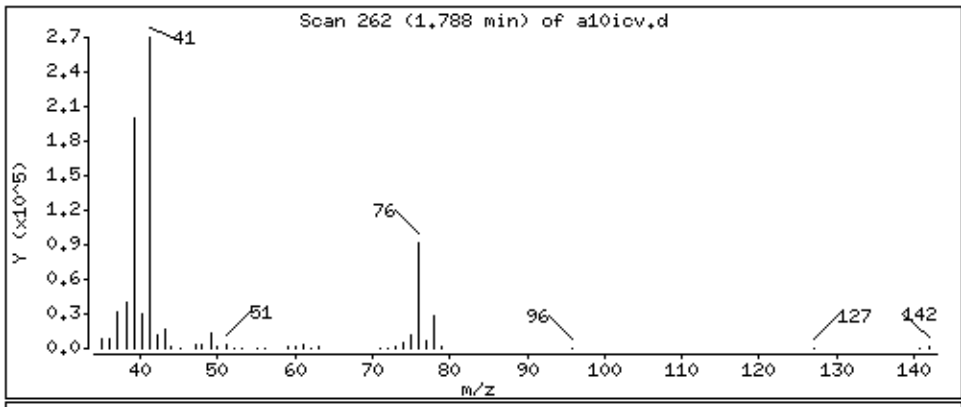
Column phase: DB-624

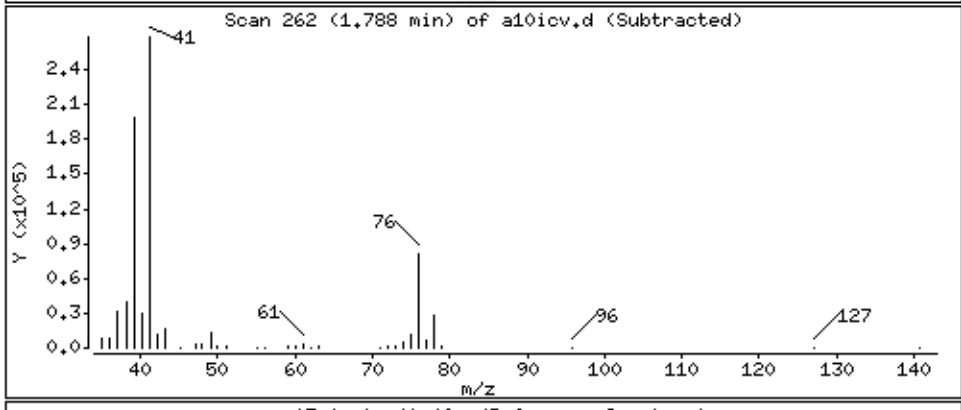
Column diameter: 0.18

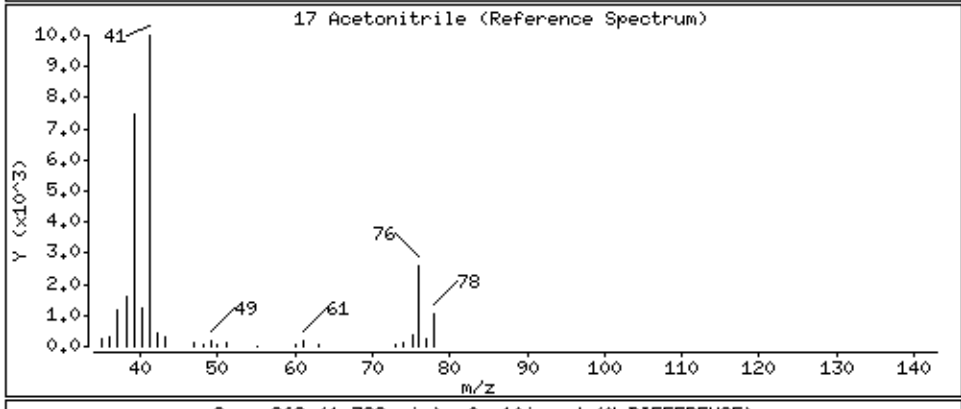
17 Acetonitrile

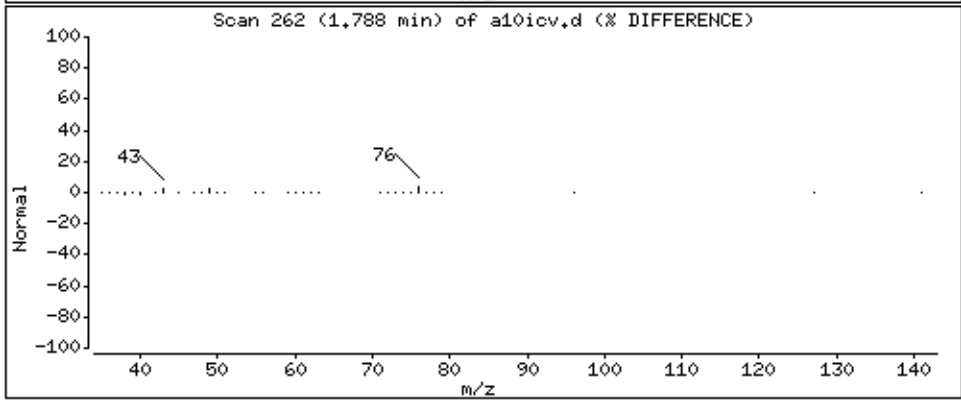
Concentration: 45.7 ppb

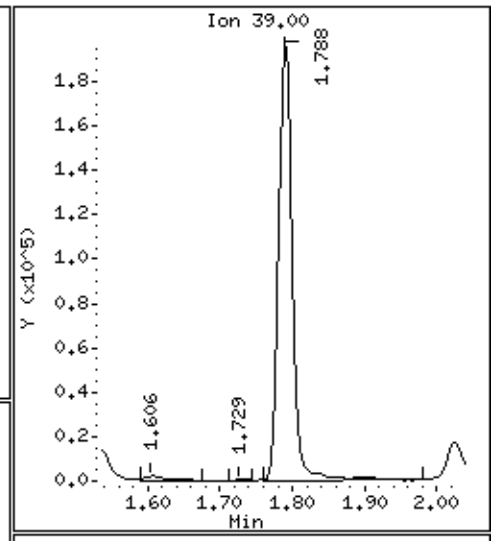
Review Code:

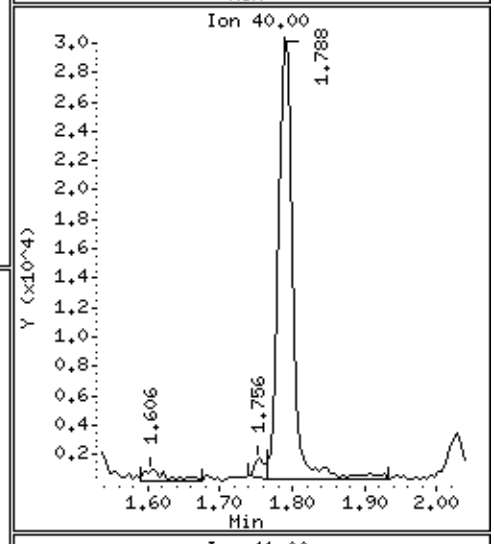


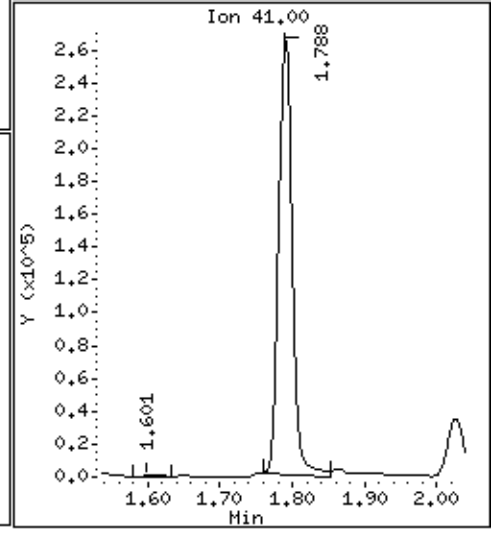












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

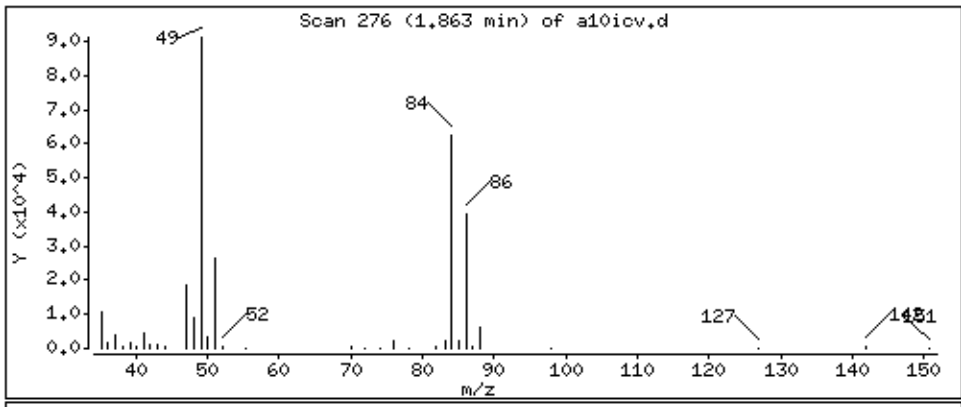
Column phase: DB-624

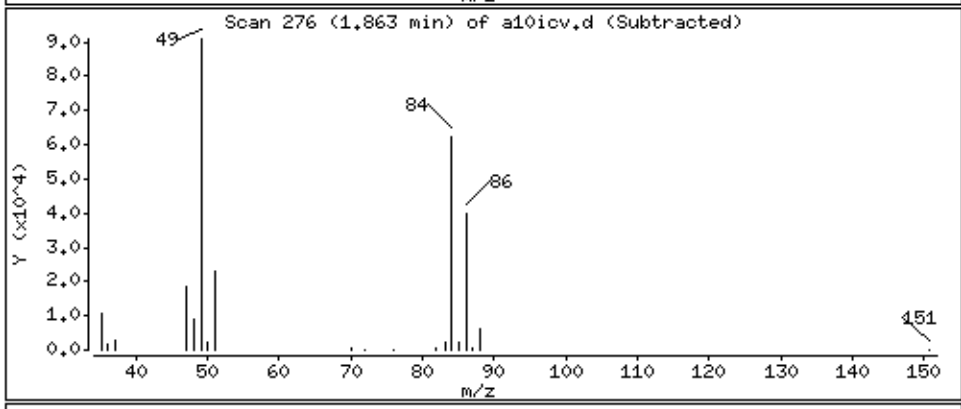
Column diameter: 0.18

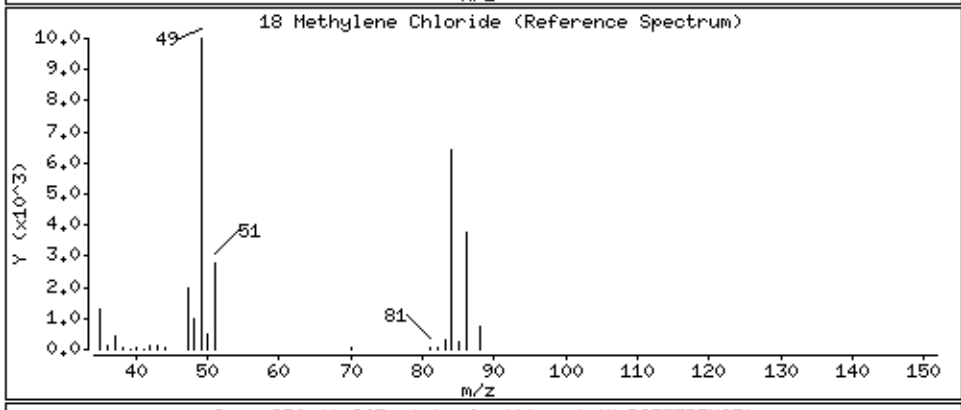
18 Methylene Chloride

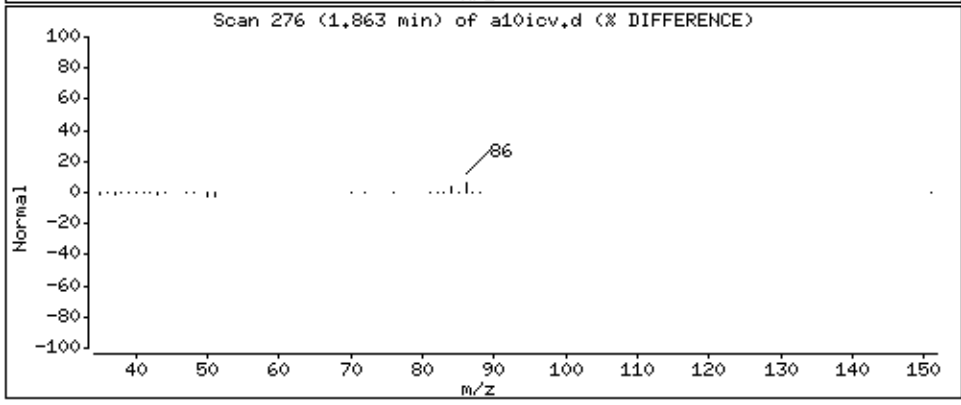
Concentration: 47.4 ppb

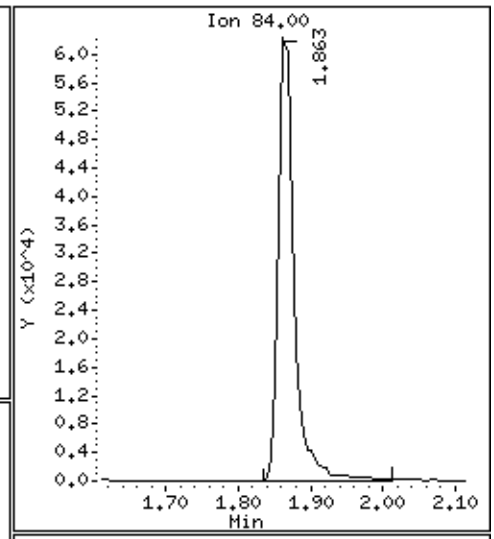
Review Code:

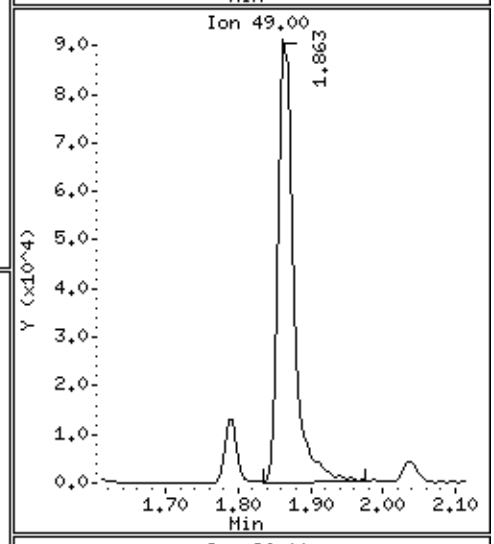


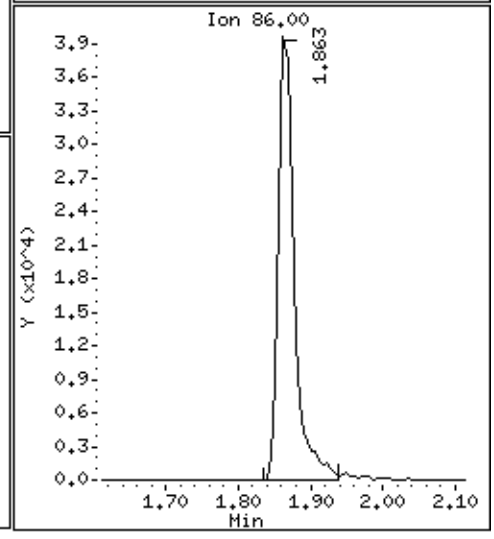












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

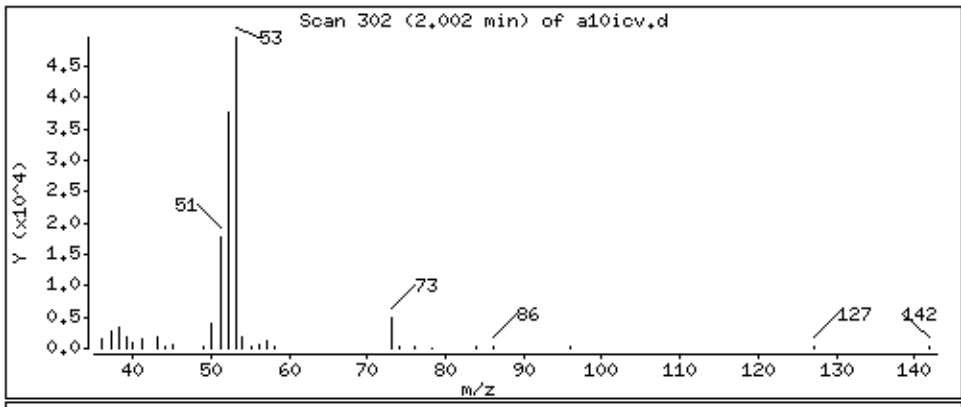
Column phase: DB-624

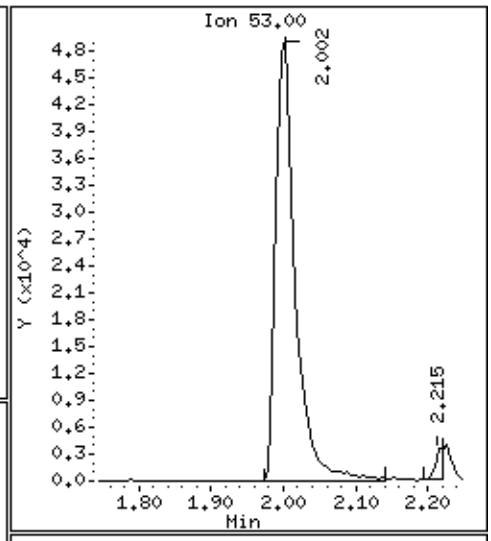
Column diameter: 0.18

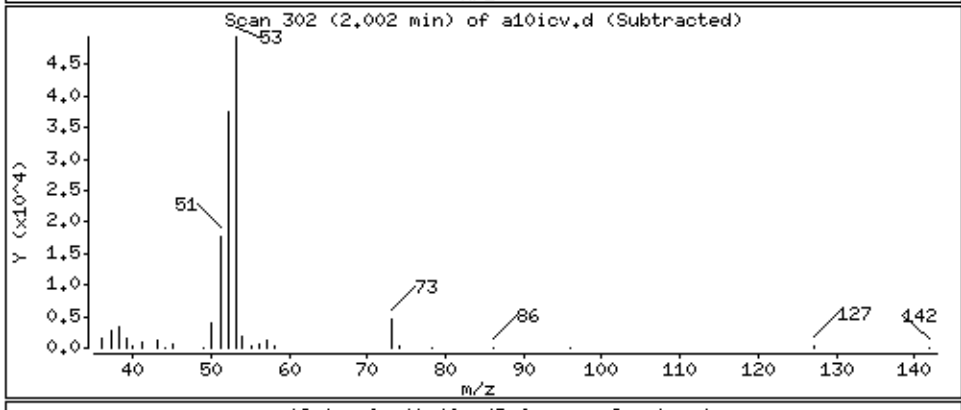
19 Acrylonitrile

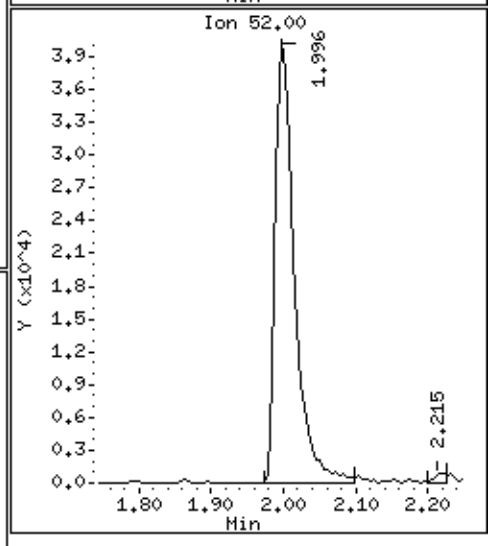
Concentration: 185 ppb

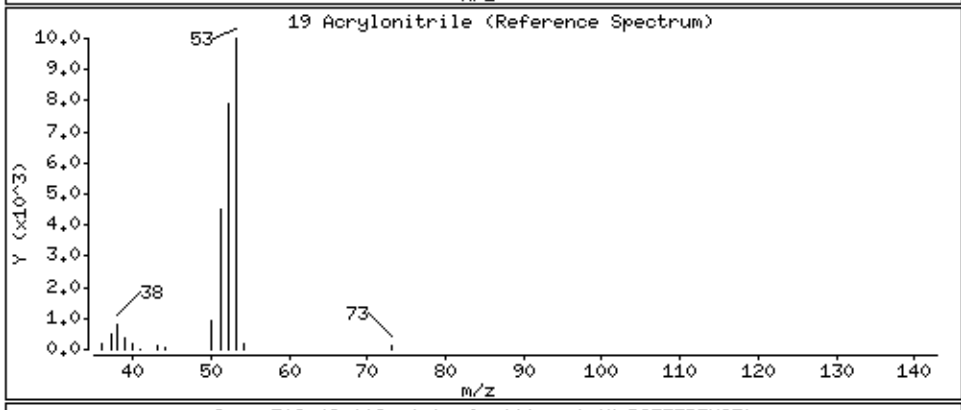
Review Code:

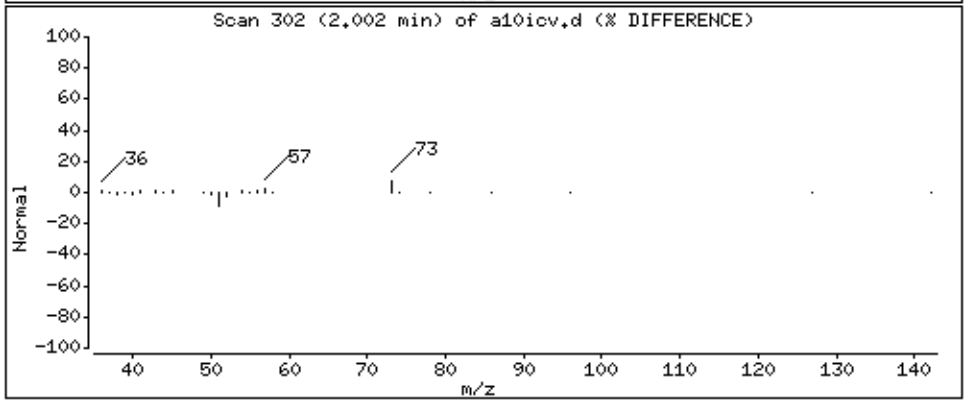












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

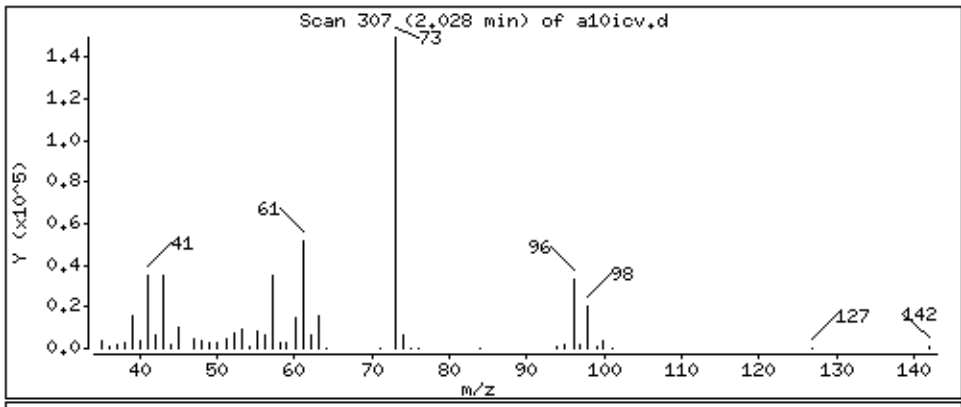
Column phase: DB-624

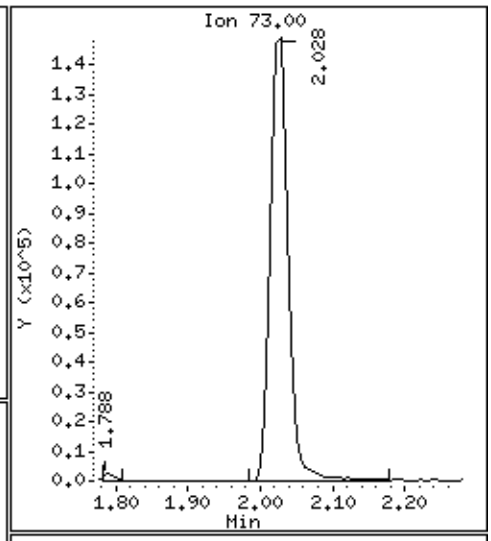
Column diameter: 0.18

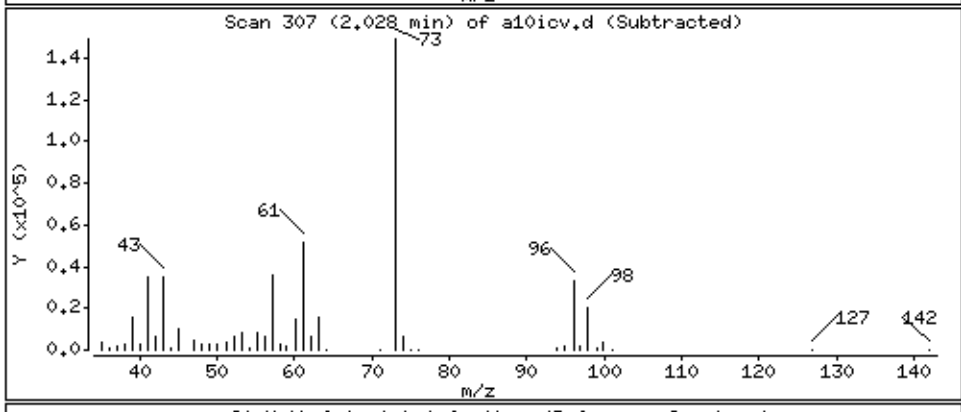
20 Methyl-tert-butyl ether

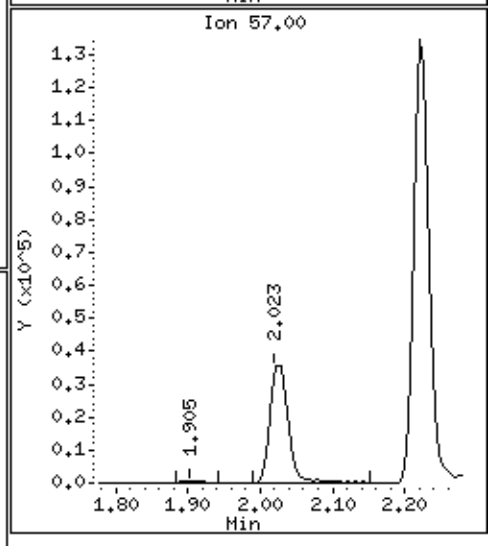
Concentration: 48.4 ppb

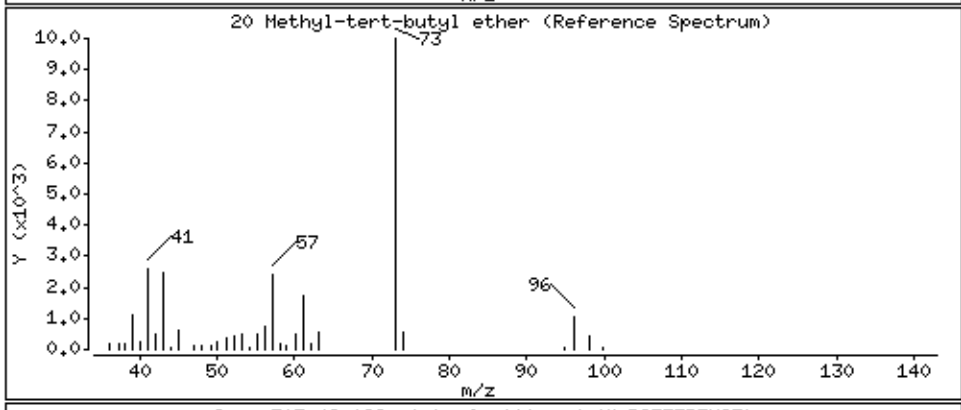
Review Code:

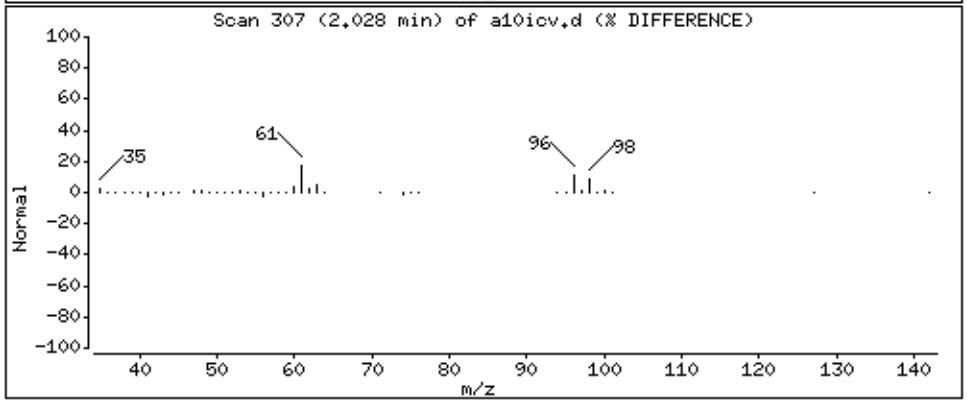












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

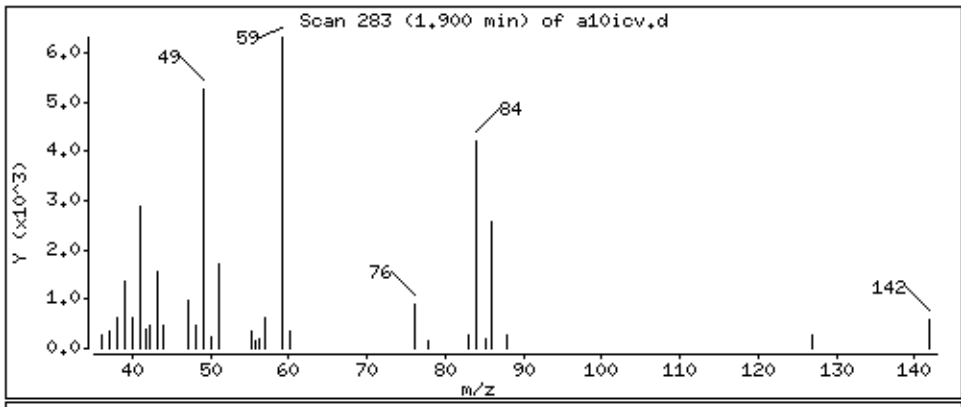
Column phase: DB-624

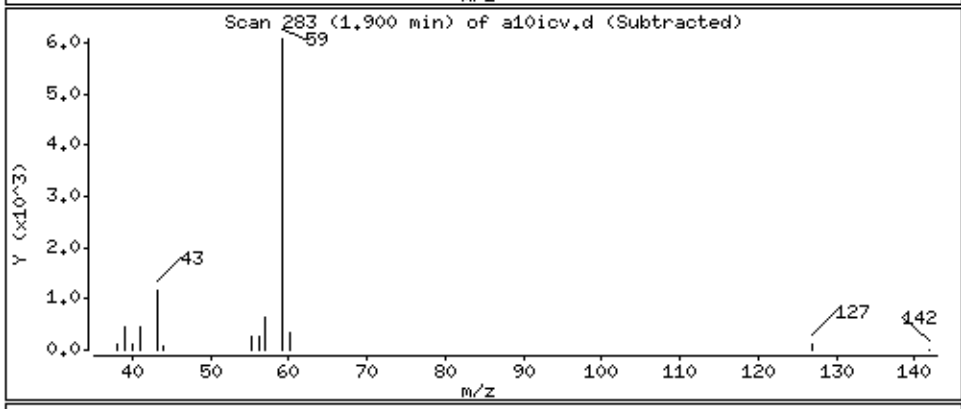
Column diameter: 0.18

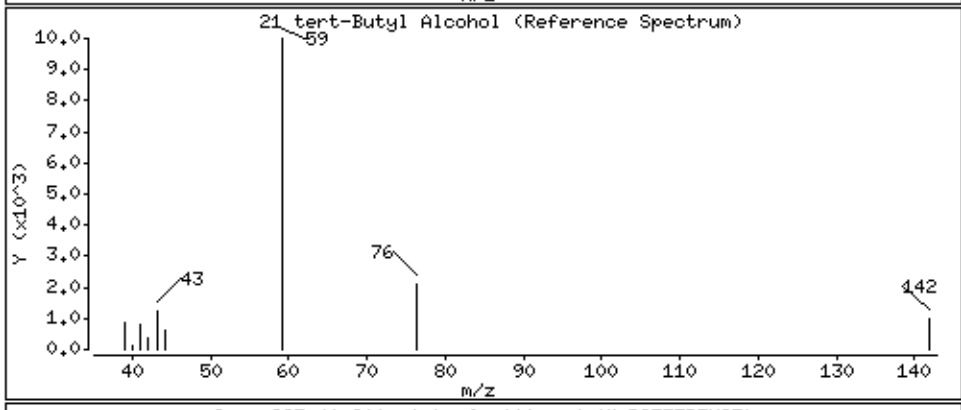
21 tert-Butyl Alcohol

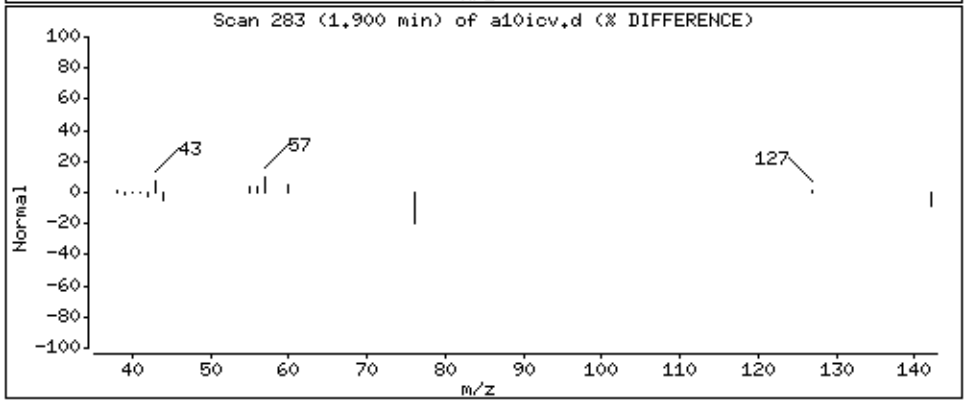
Concentration: 88.5 ppb

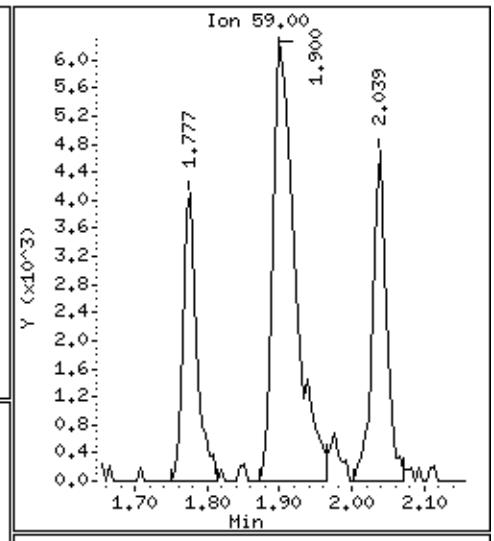
Review Code:

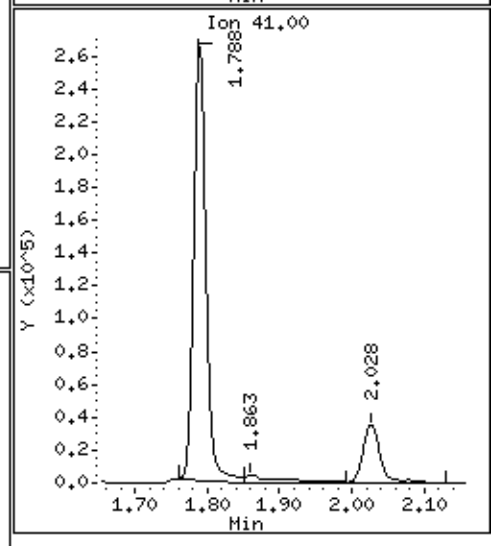












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

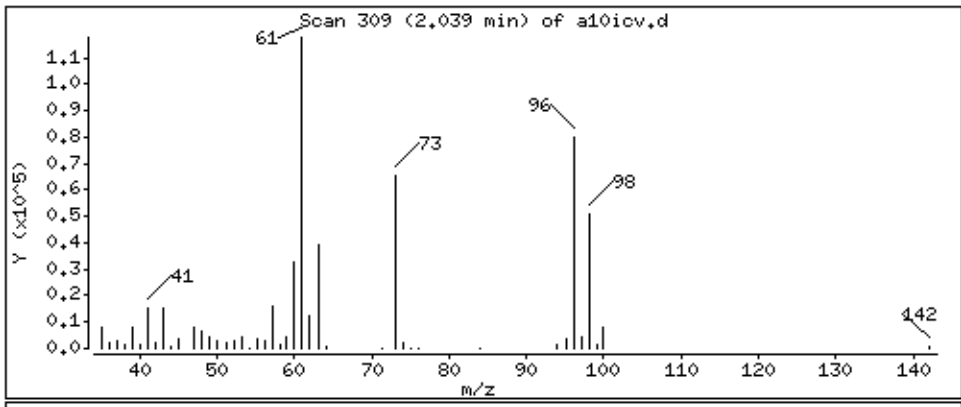
Column phase: DB-624

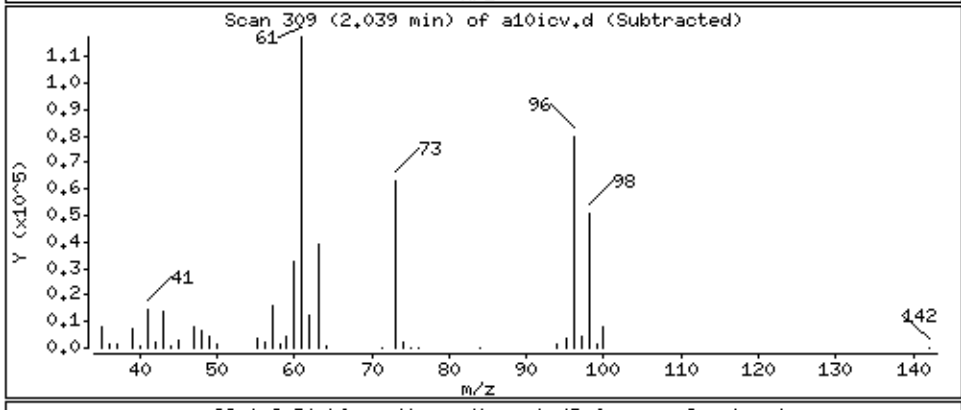
Column diameter: 0.18

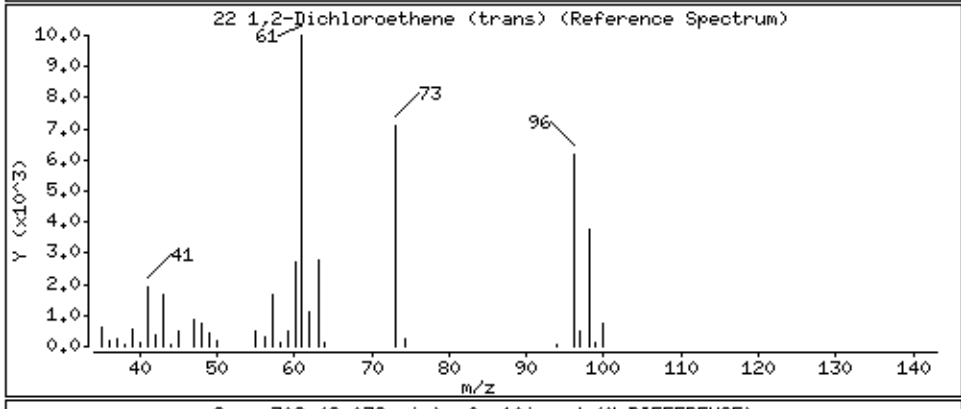
22 1,2-Dichloroethene (trans)

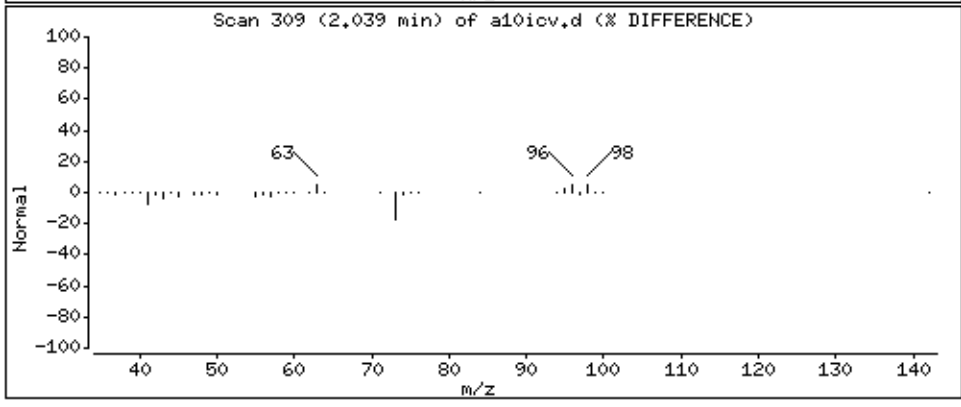
Concentration: 49.0 ppb

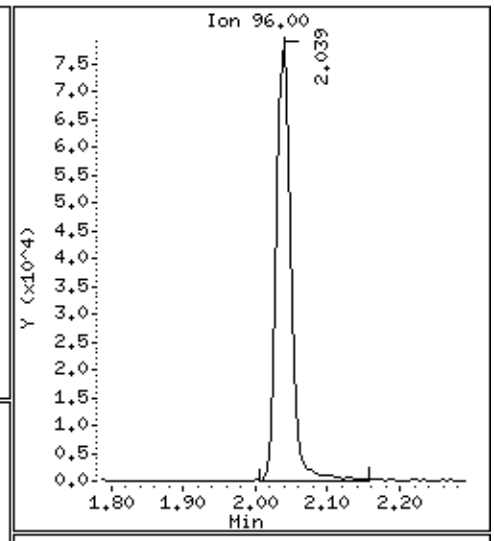
Review Code:

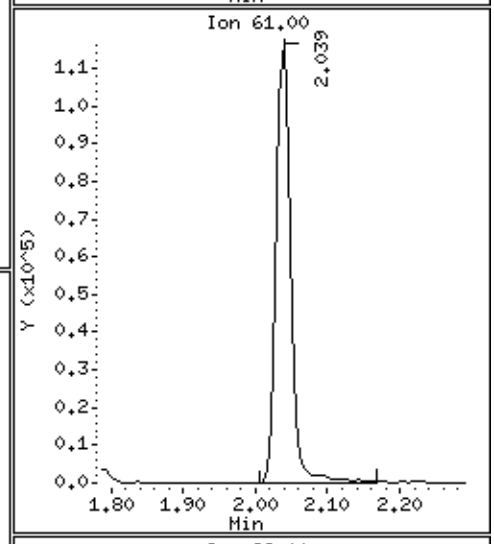


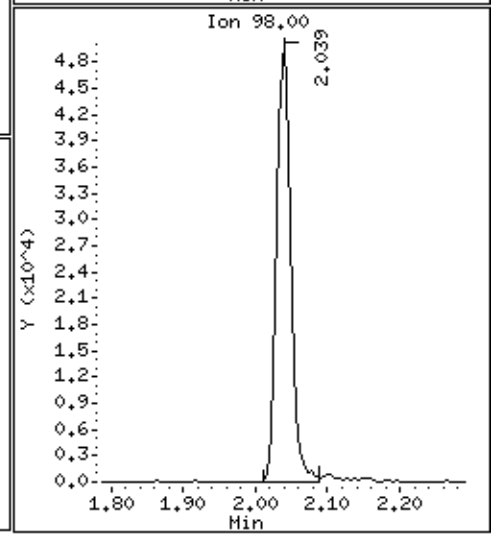












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

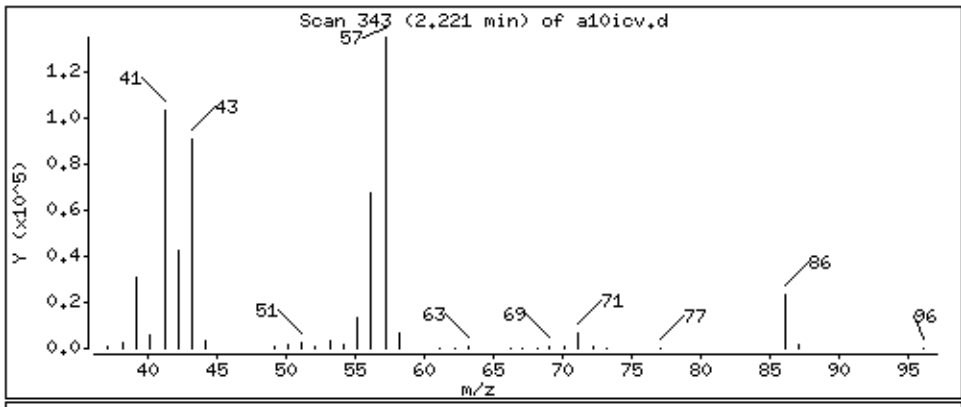
Column phase: DB-624

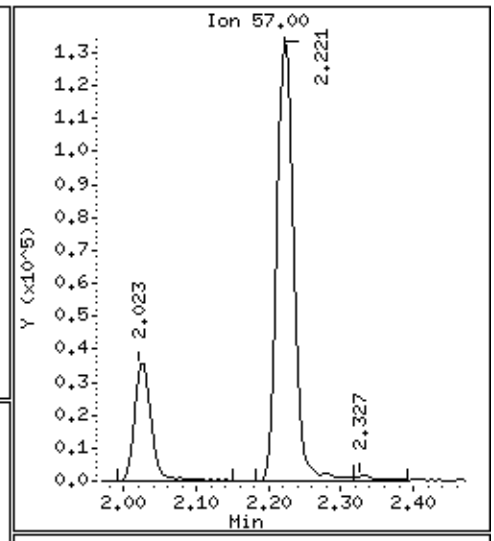
Column diameter: 0.18

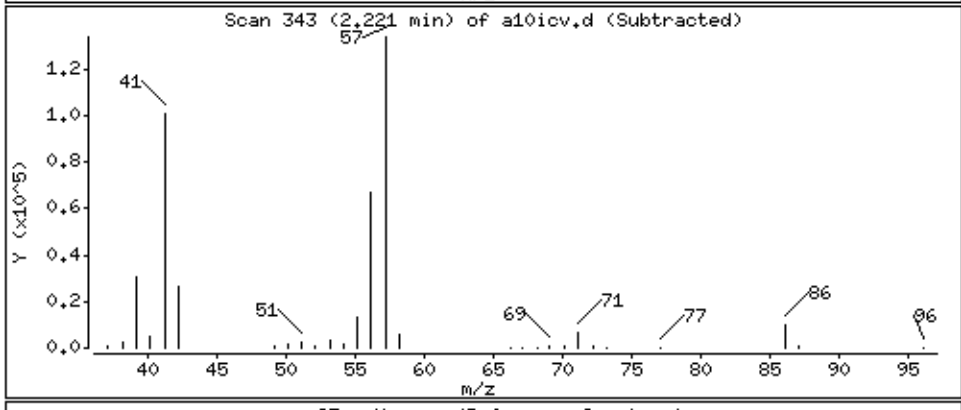
23 n-Hexane

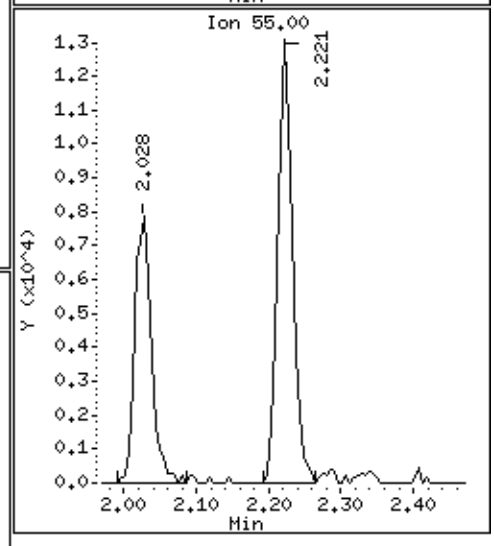
Concentration: 49.3 ppb

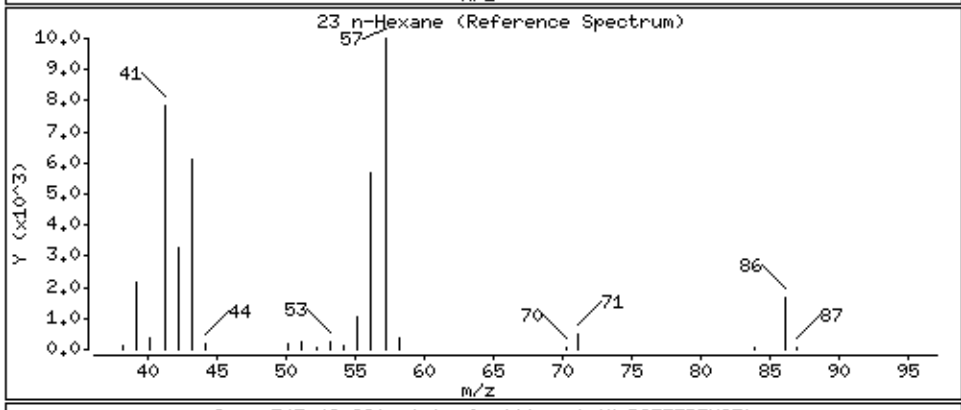
Review Code:

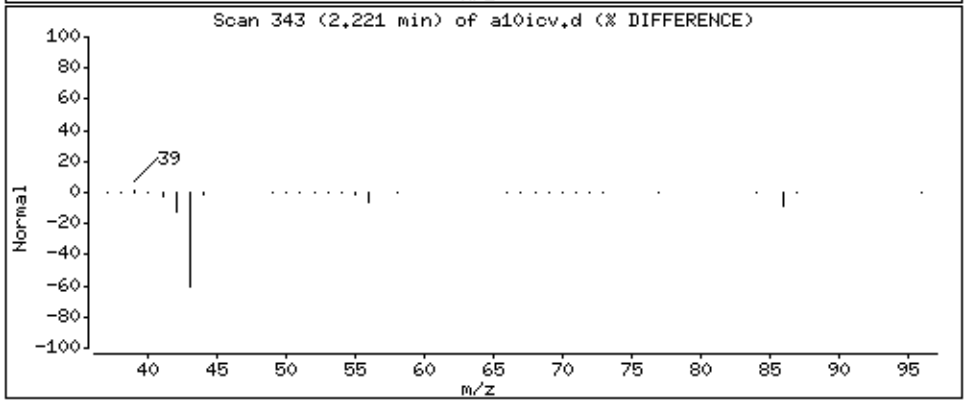












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

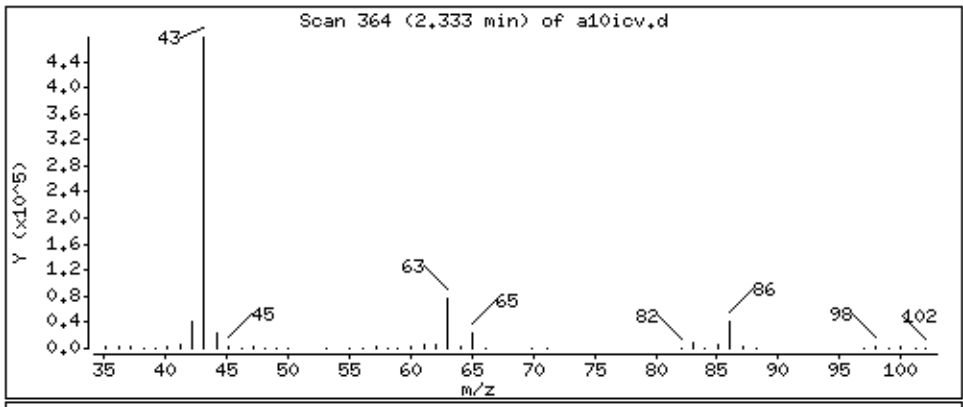
Column phase: DB-624

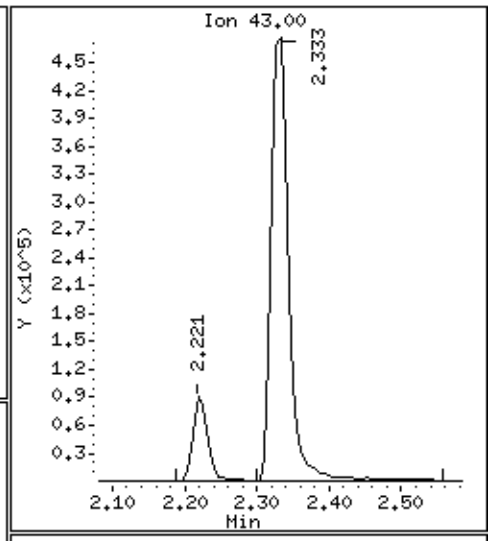
Column diameter: 0.18

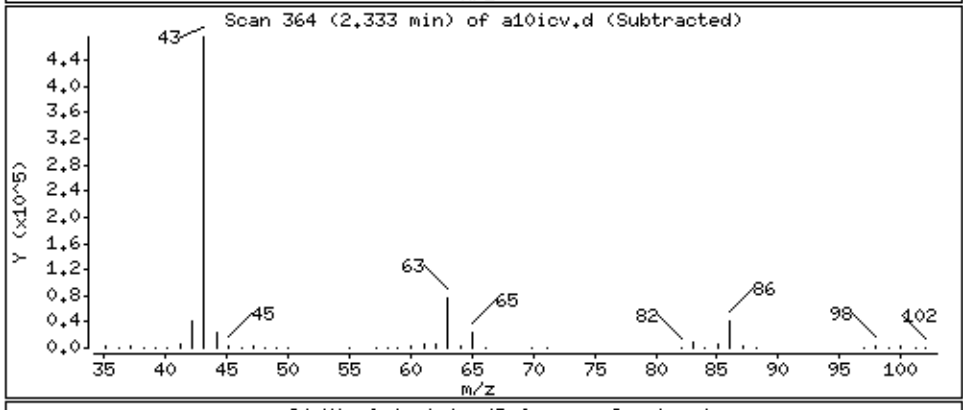
24 Vinyl Acetate

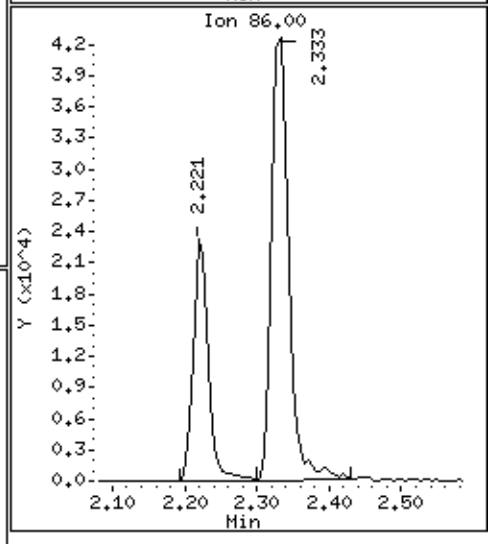
Concentration: 228 ppb

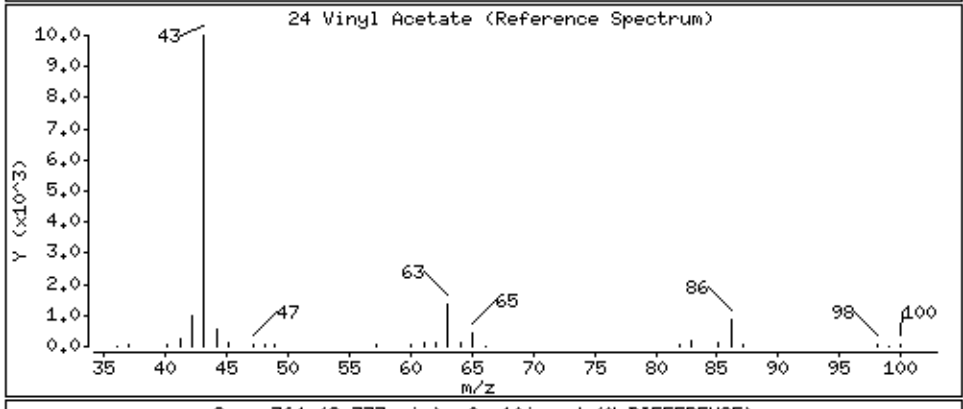
Review Code:

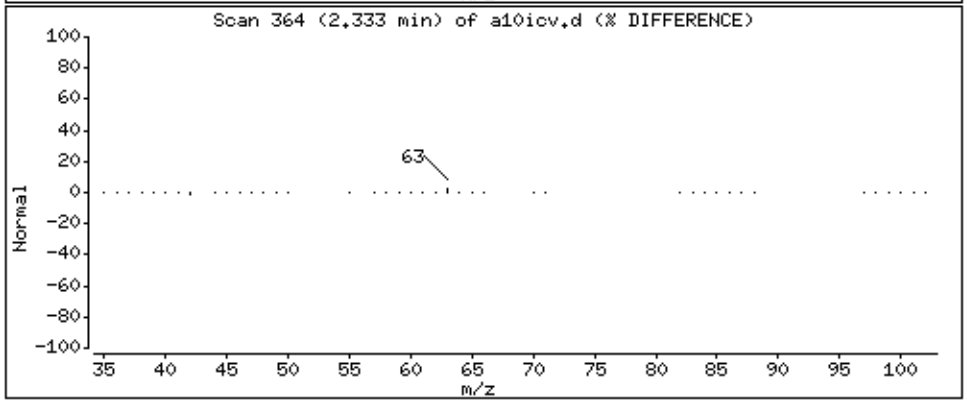












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

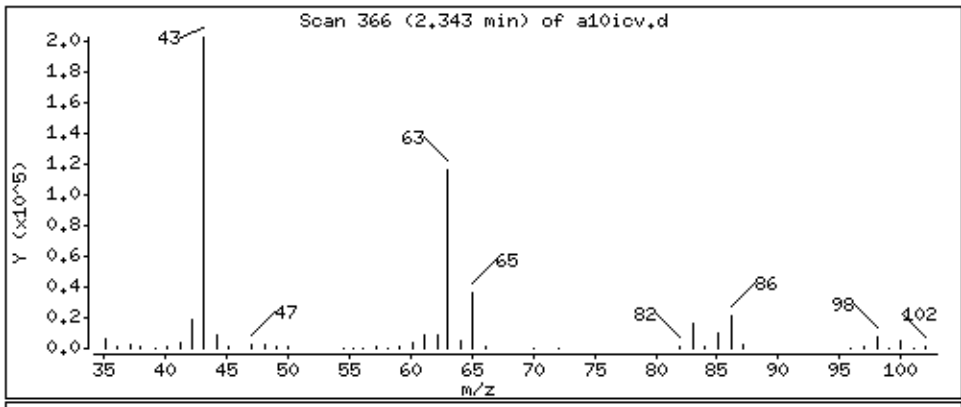
Column phase: DB-624

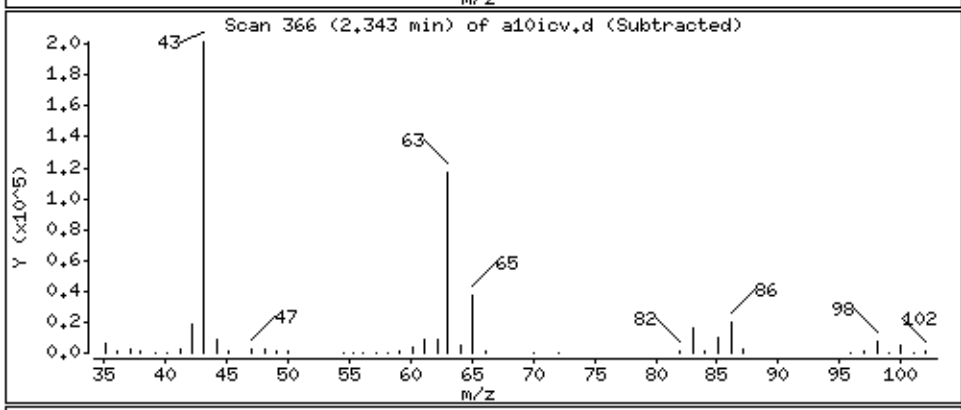
Column diameter: 0.18

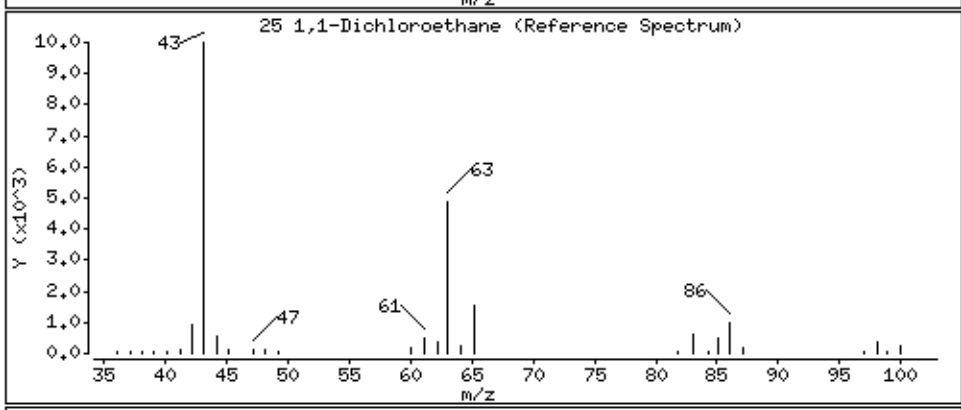
25 1,1-Dichloroethane

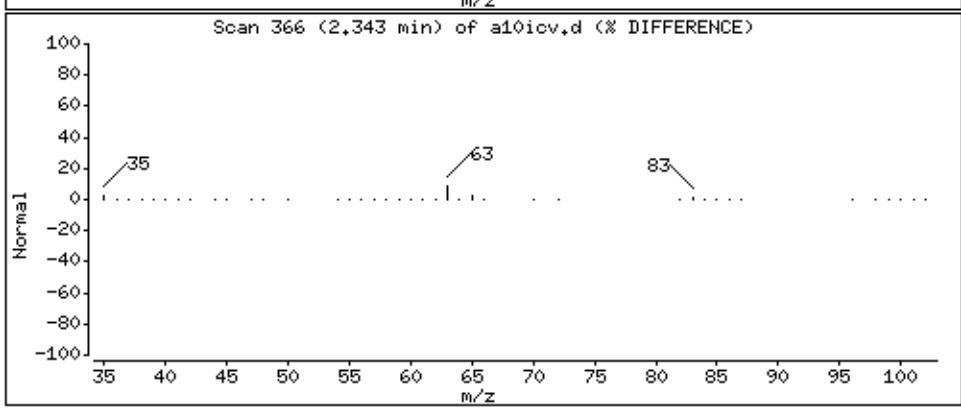
Concentration: 48.6 ppb

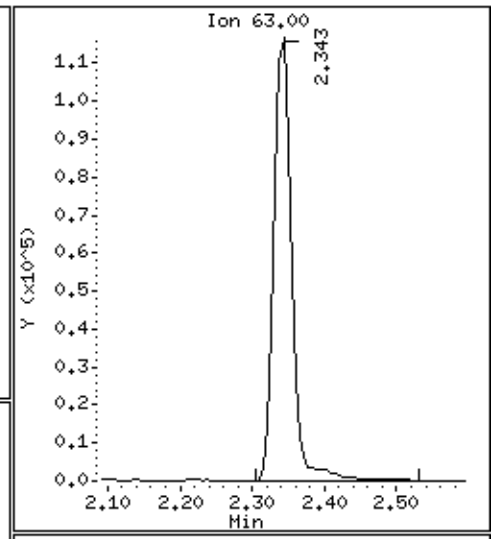
Review Code:

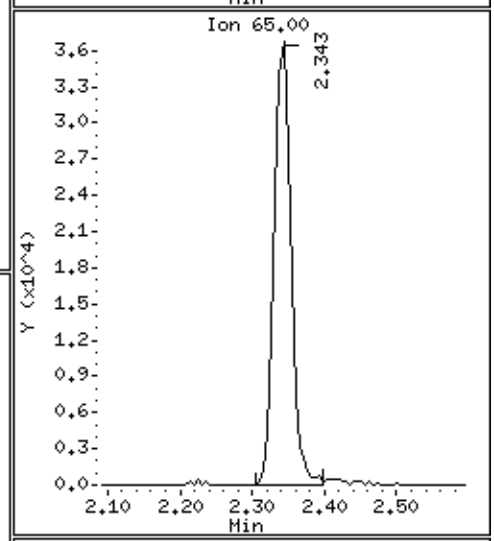


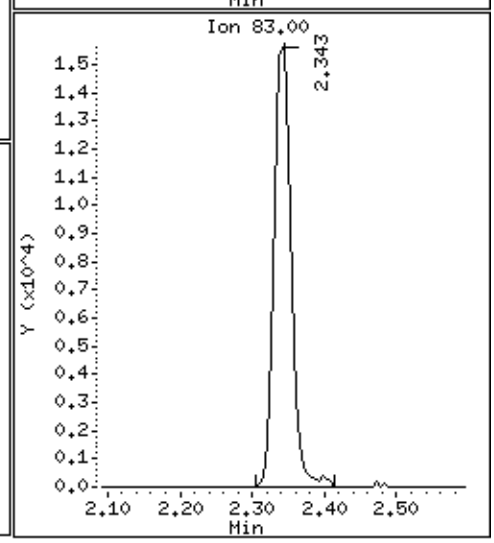












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

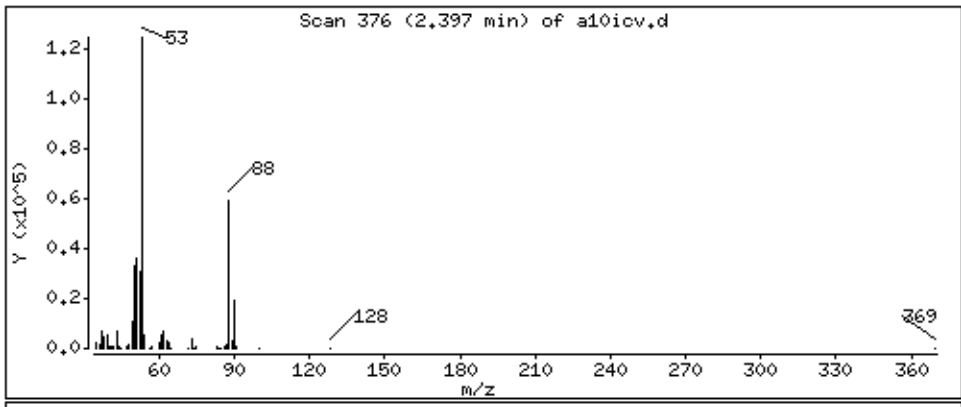
Column phase: DB-624

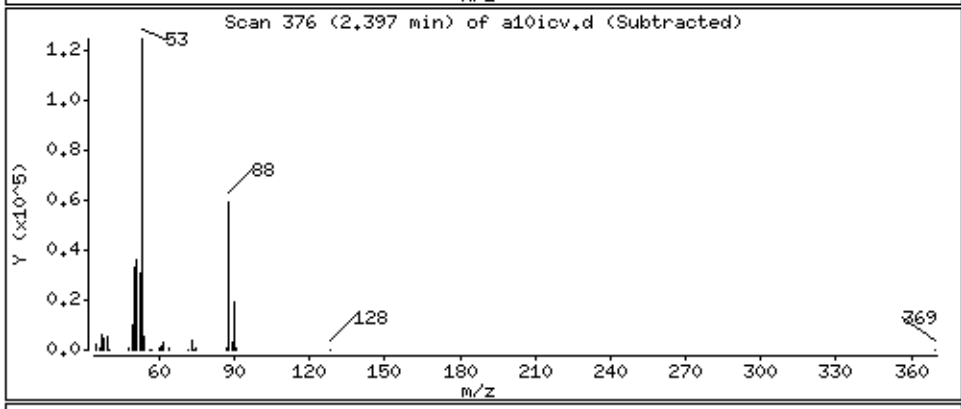
Column diameter: 0.18

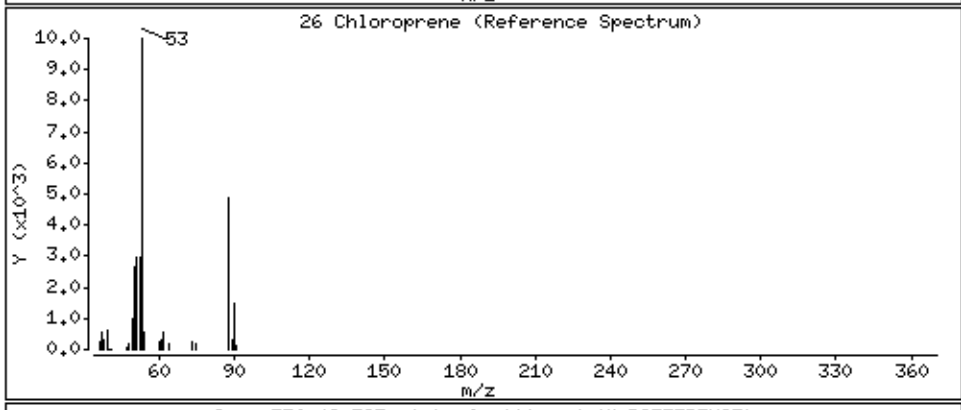
26 Chloroprene

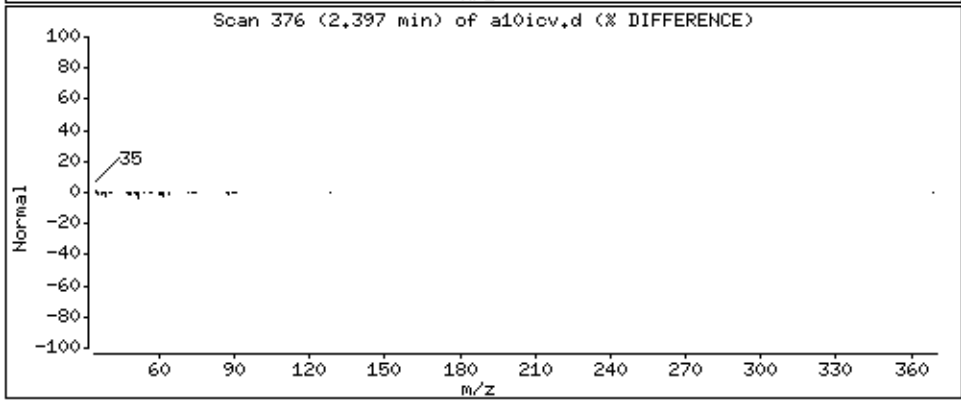
Concentration: 47.5 ppb

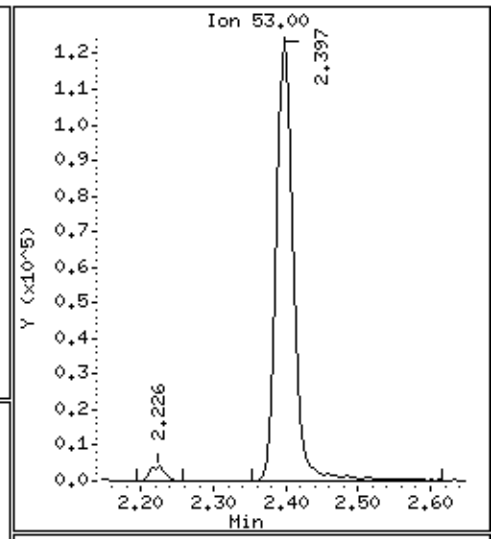
Review Code:

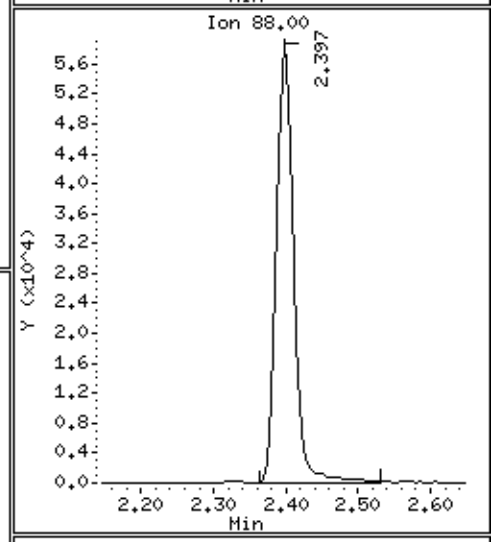


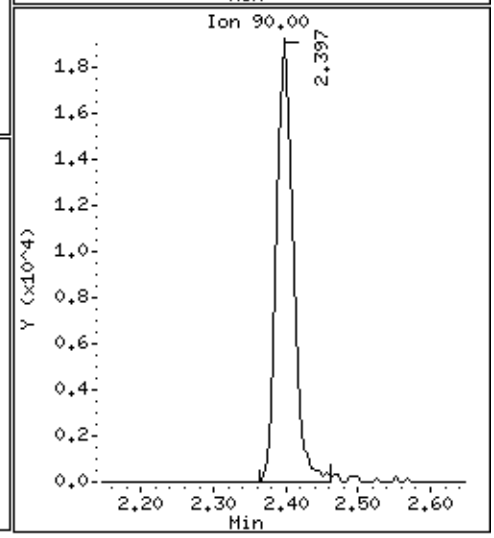












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

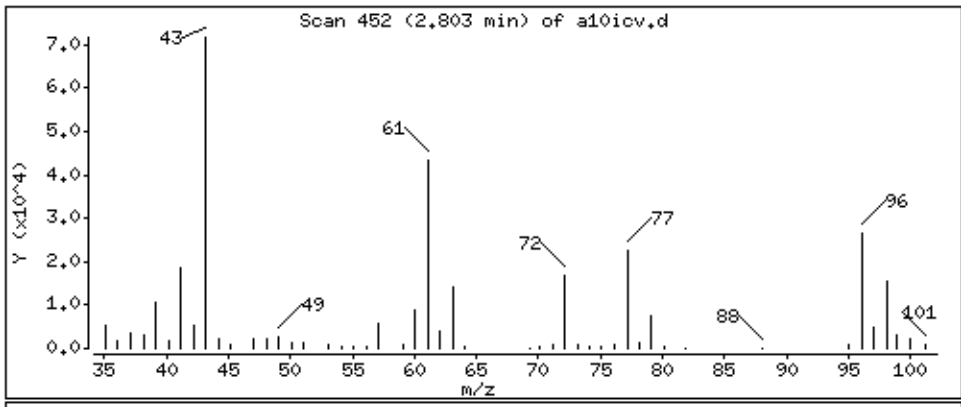
Column phase: DB-624

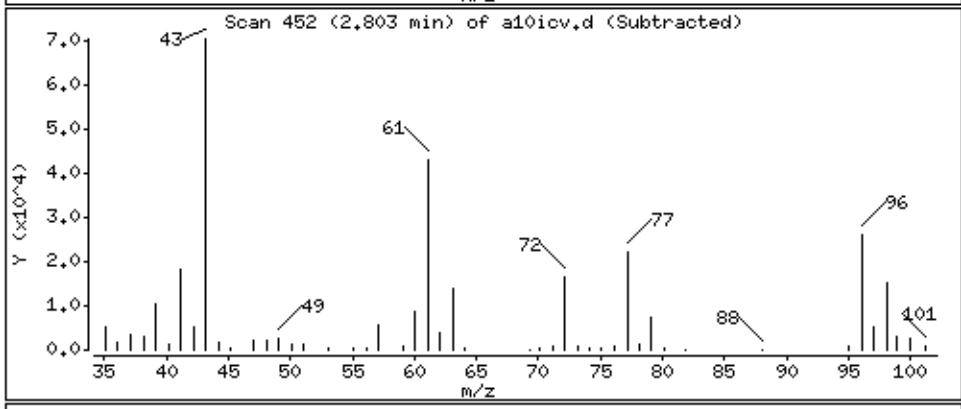
Column diameter: 0.18

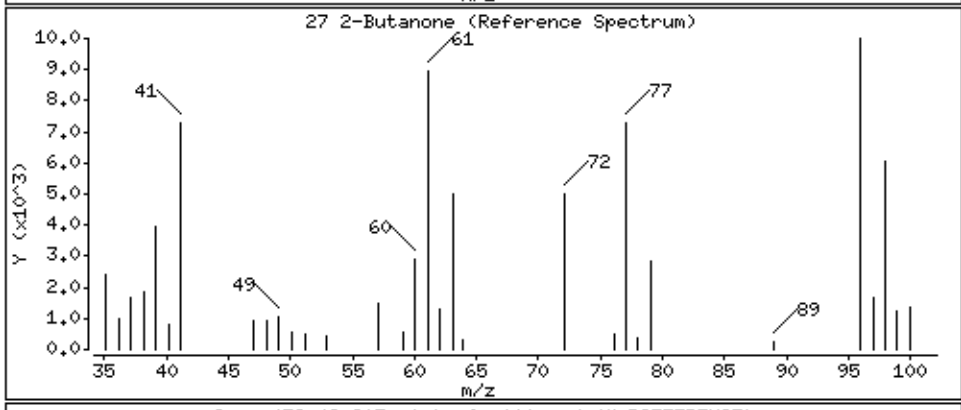
27 2-Butanone

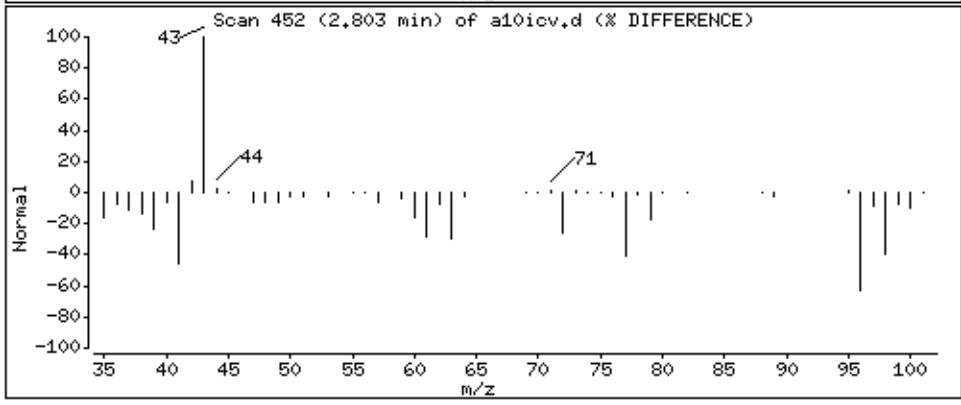
Concentration: 243 ppb

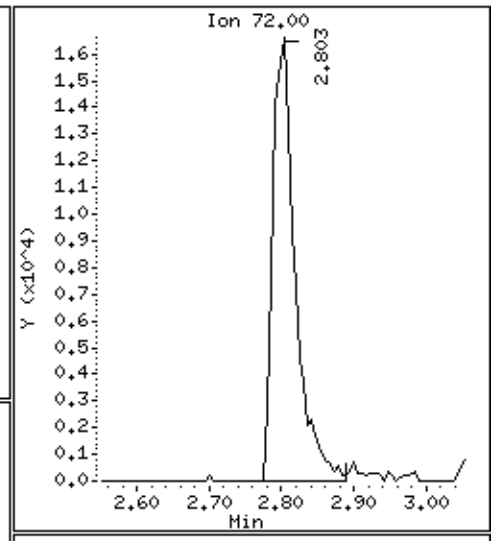
Review Code:

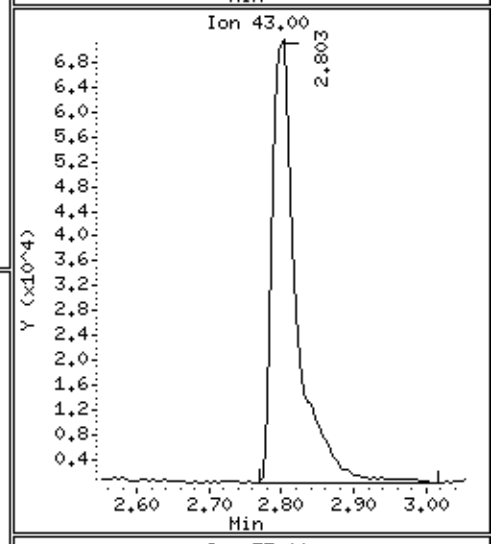


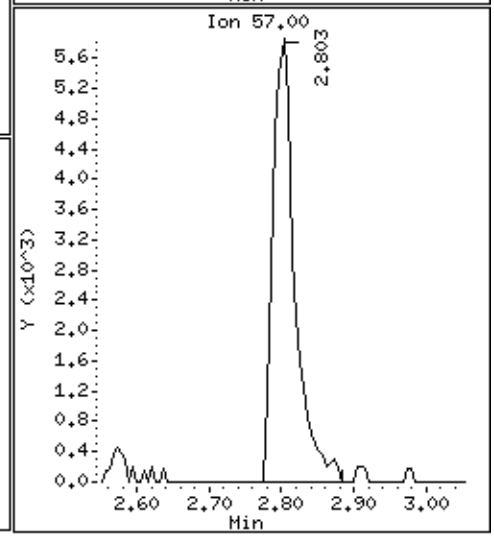












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

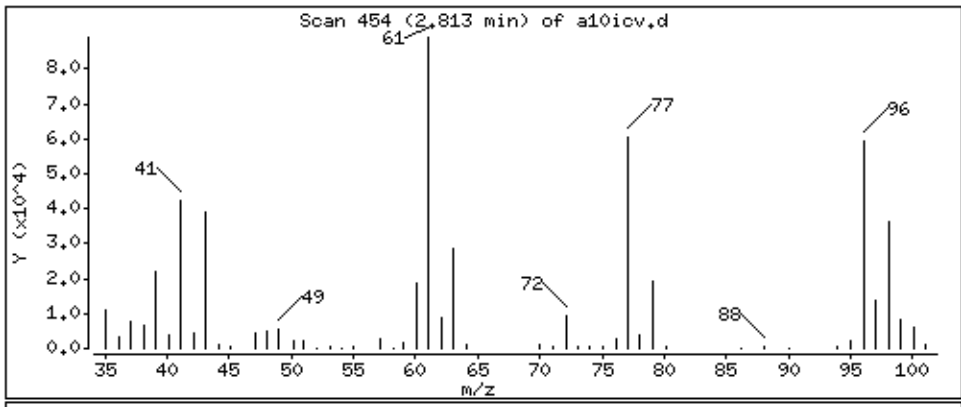
Column phase: DB-624

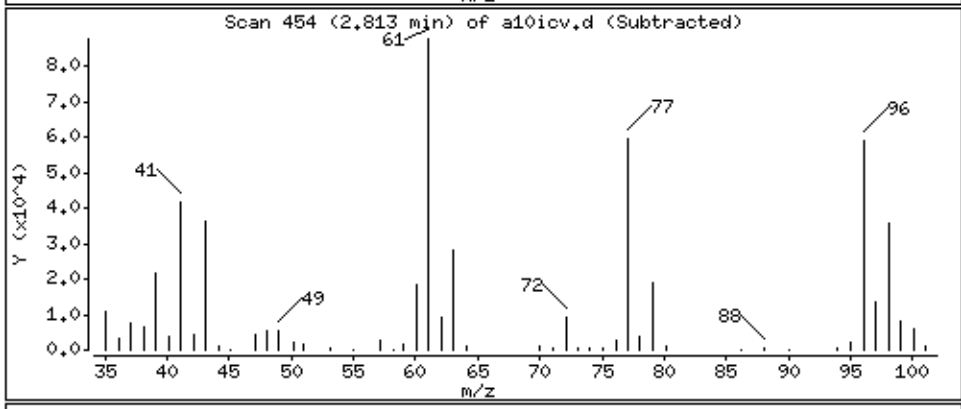
Column diameter: 0.18

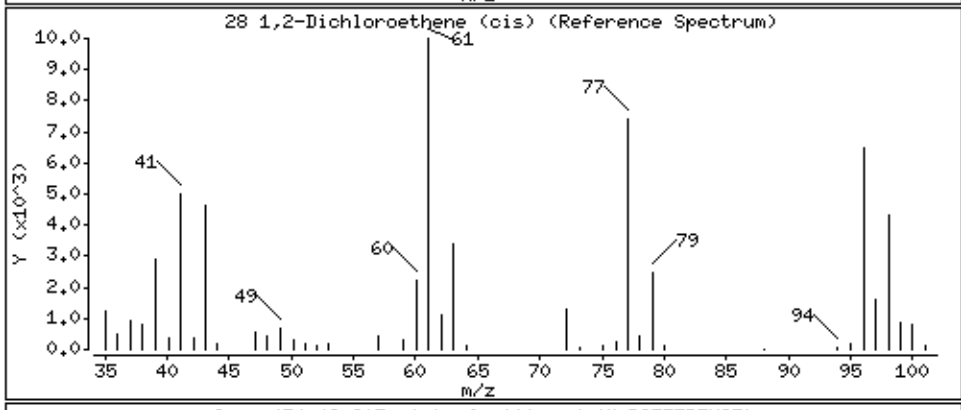
28 1,2-Dichloroethene (cis)

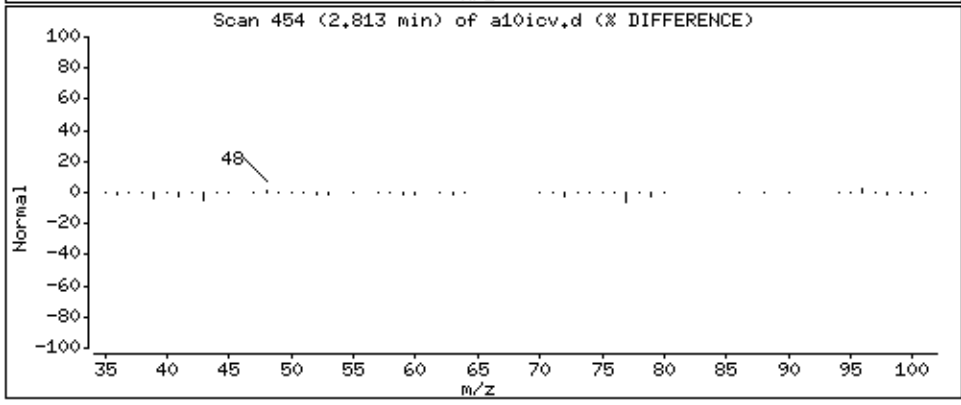
Concentration: 47.3 ppb

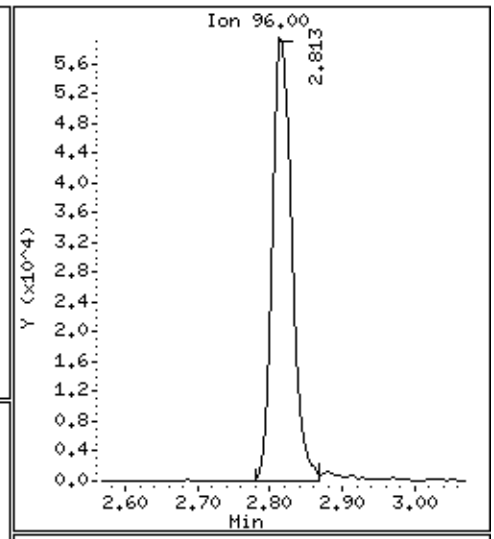
Review Code:

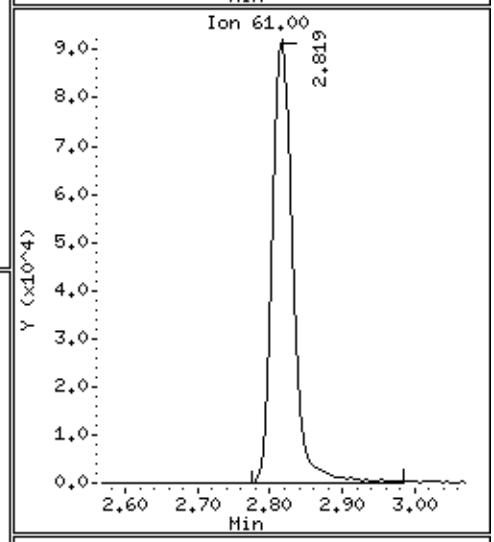


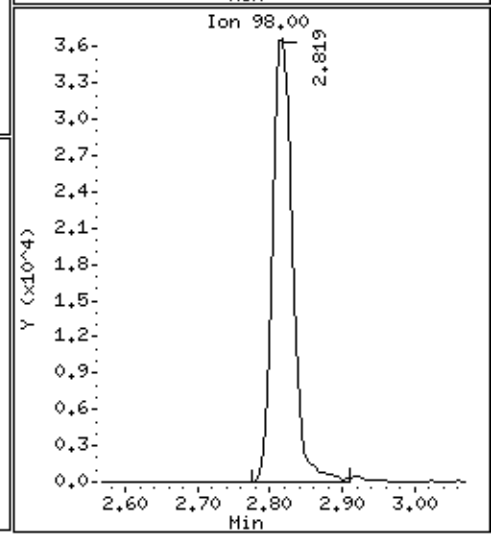












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

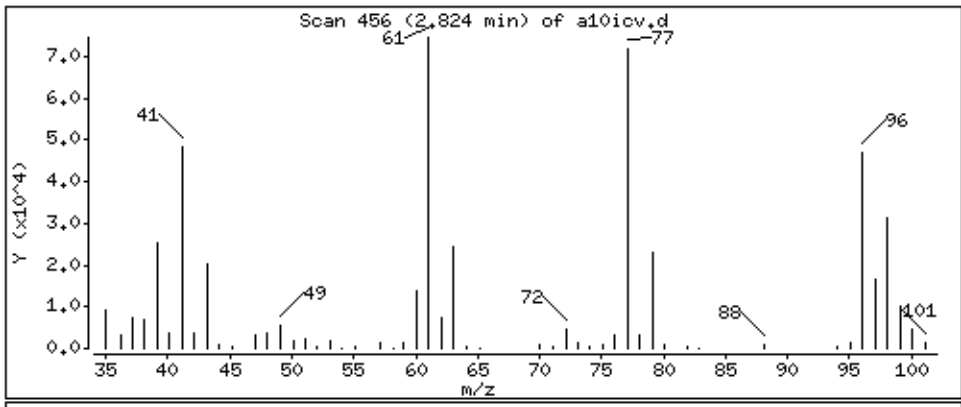
Column phase: DB-624

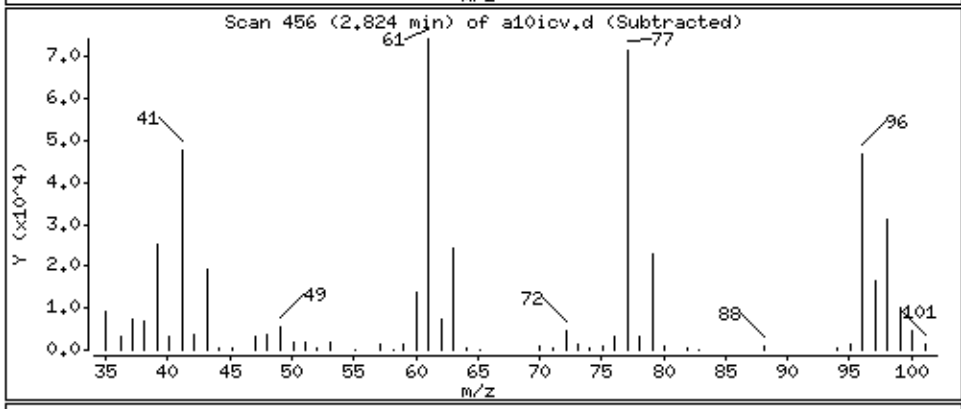
Column diameter: 0.18

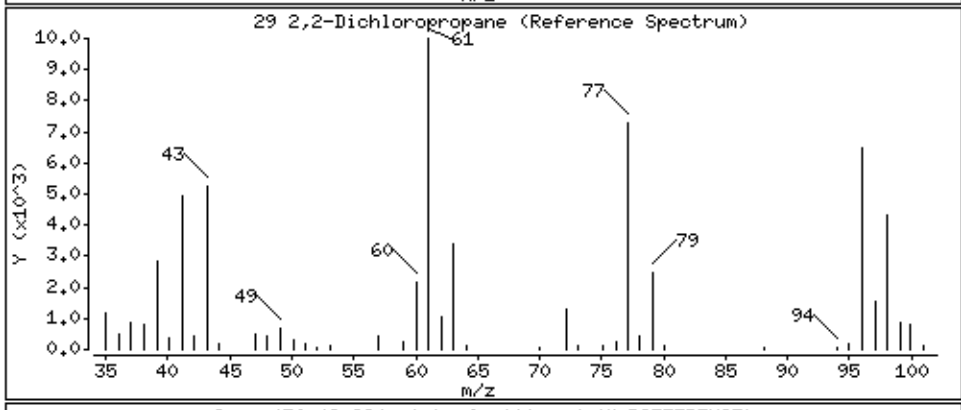
29 2,2-Dichloropropane

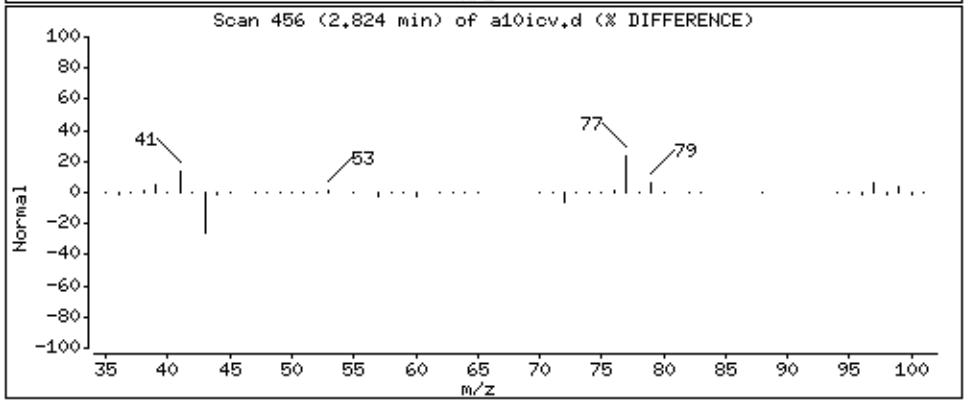
Concentration: 47.0 ppb

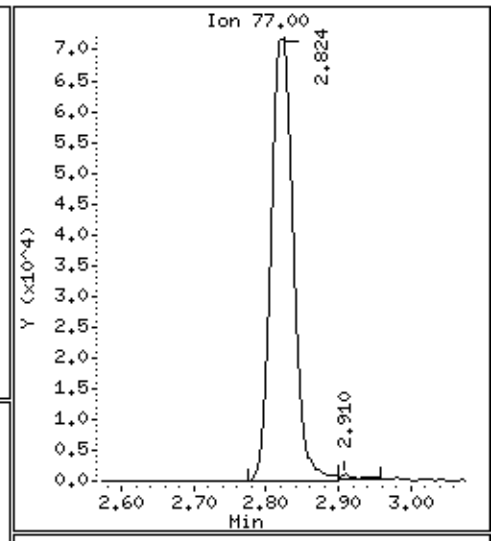
Review Code:

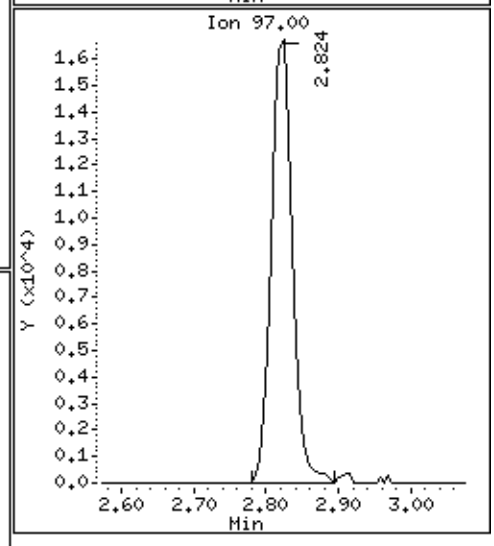












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

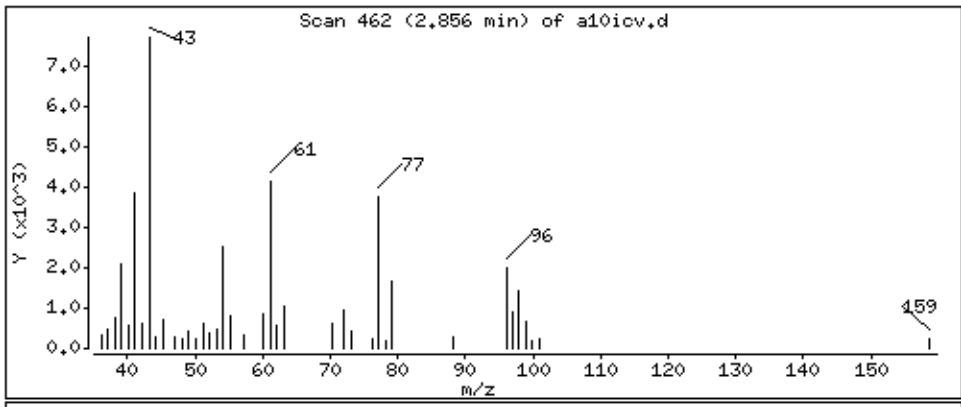
Column phase: DB-624

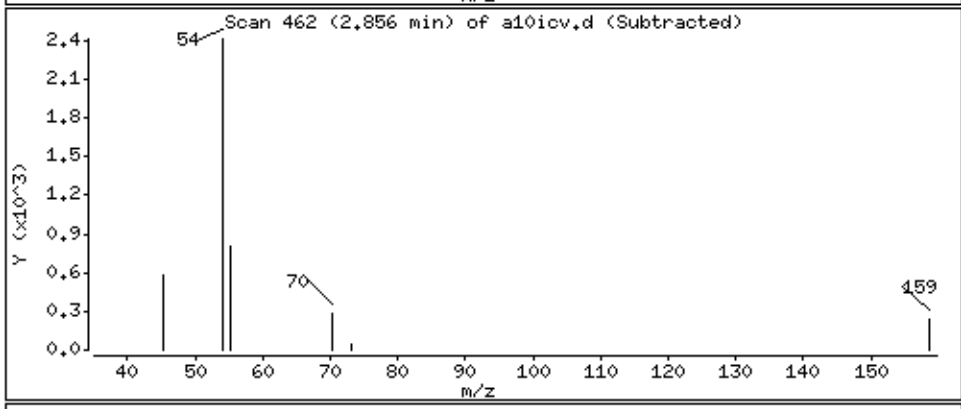
Column diameter: 0.18

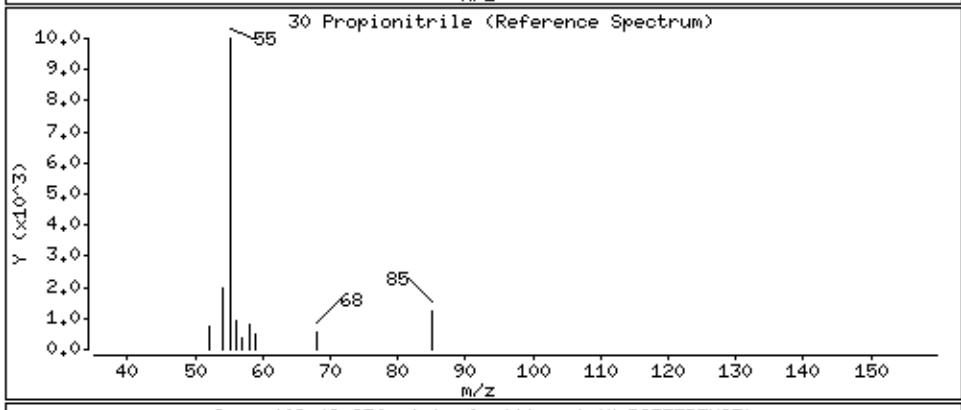
30 Propionitrile

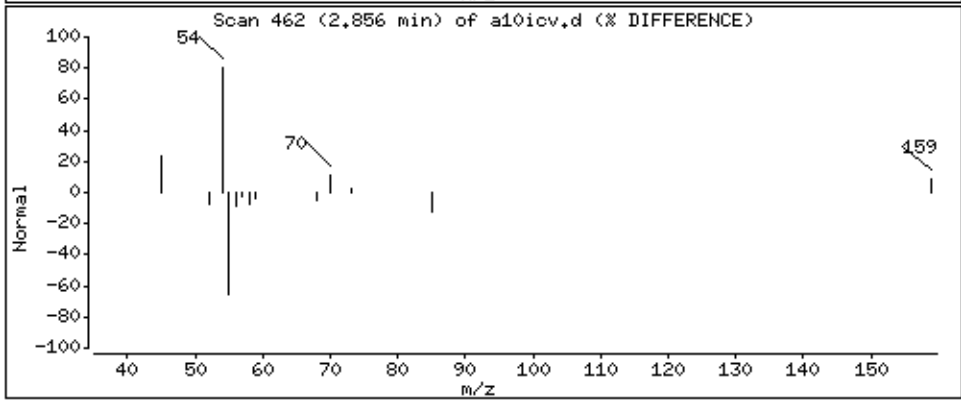
Concentration: 38.5 ppb

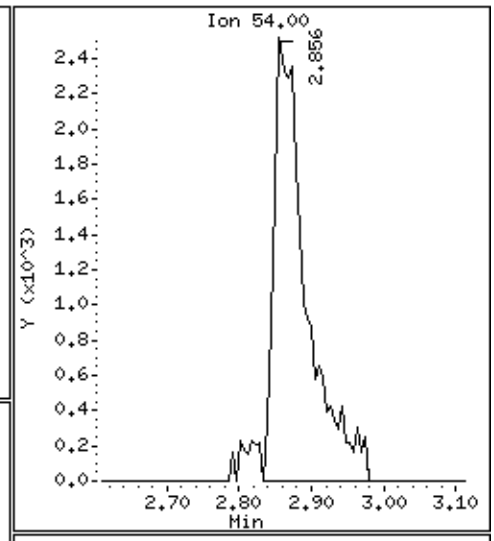
Review Code:

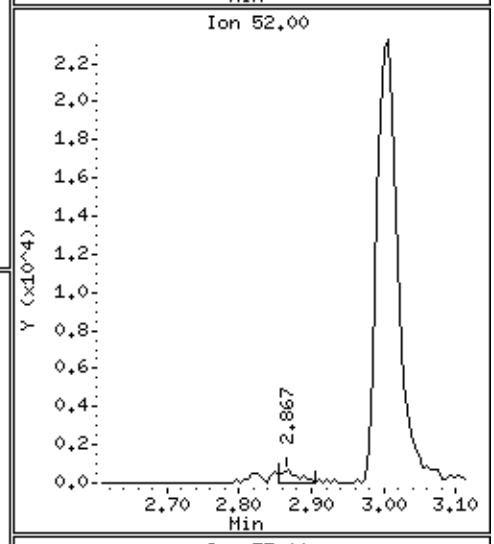


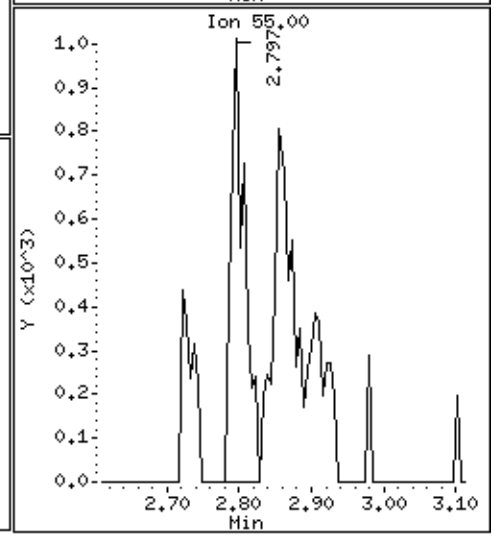












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

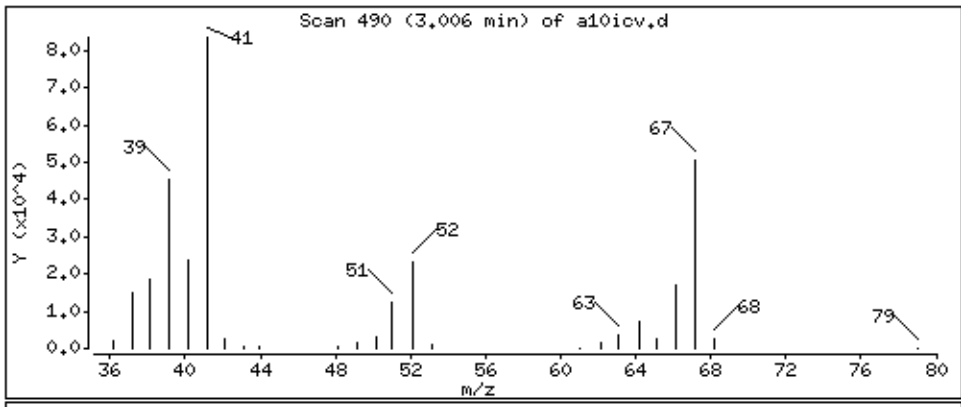
Column phase: DB-624

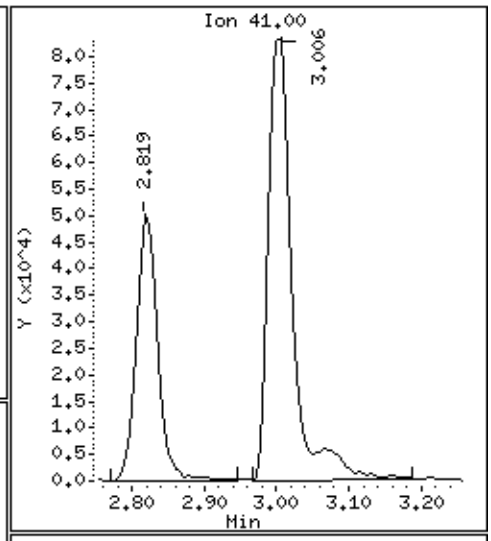
Column diameter: 0.18

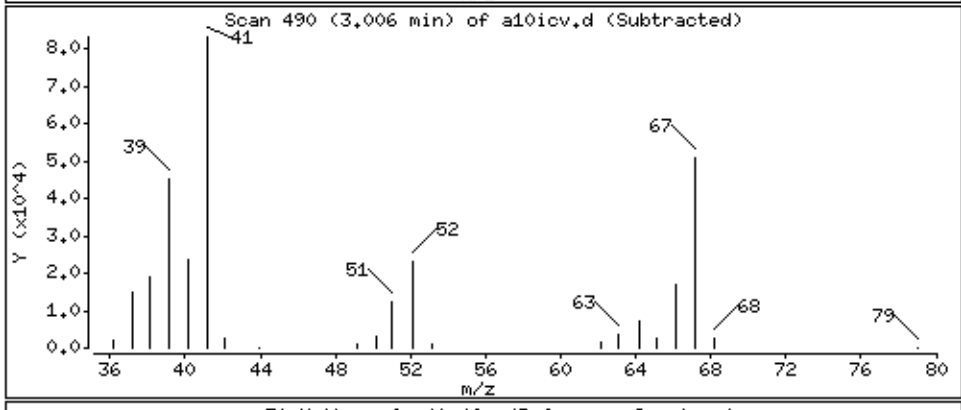
31 Methacrylonitrile

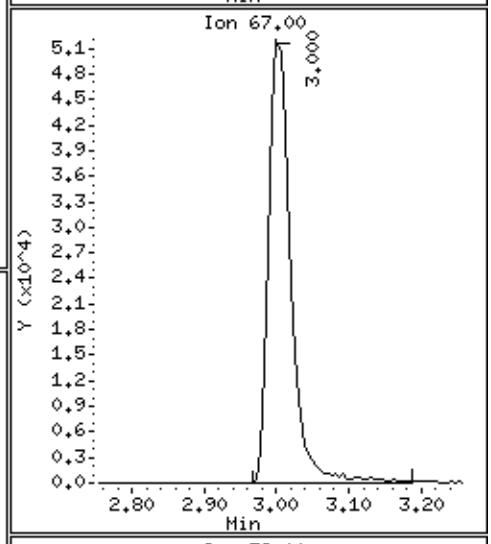
Concentration: 199 ppb

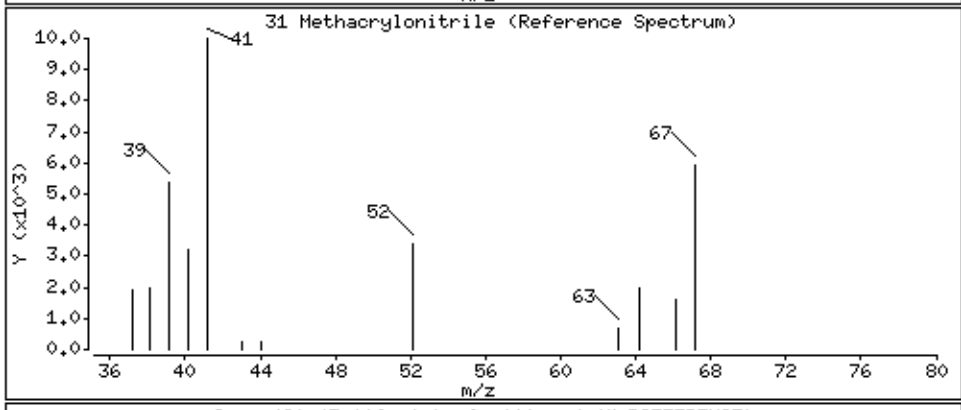
Review Code:

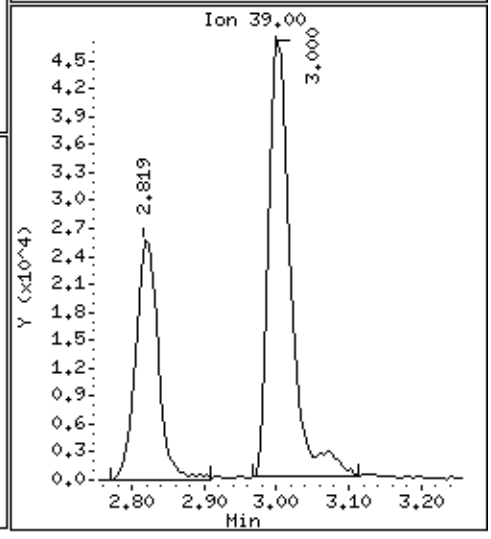


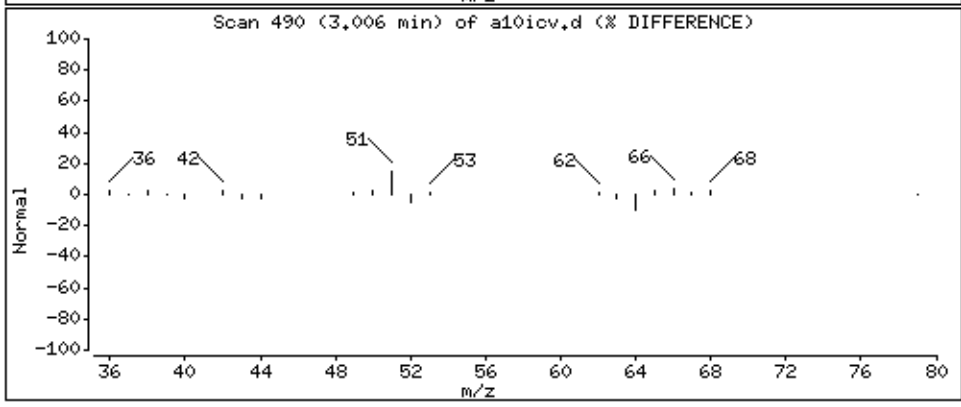












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

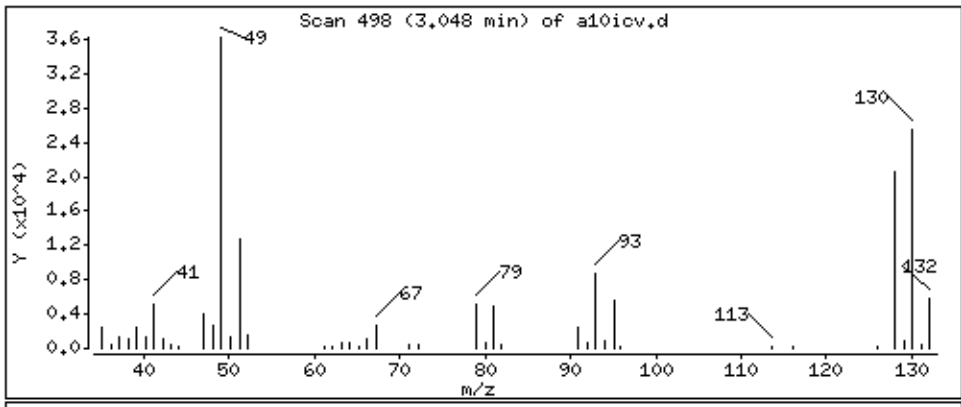
Column phase: DB-624

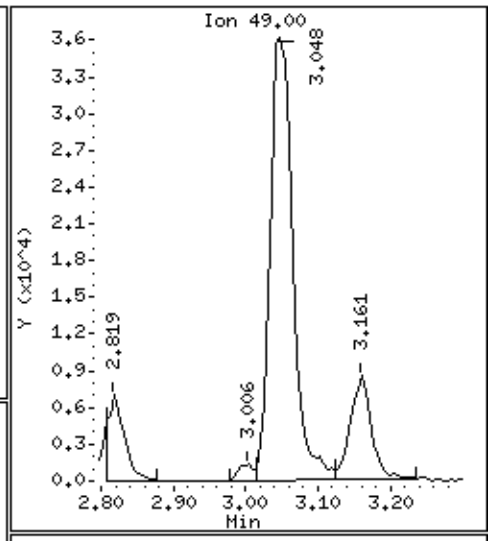
Column diameter: 0.18

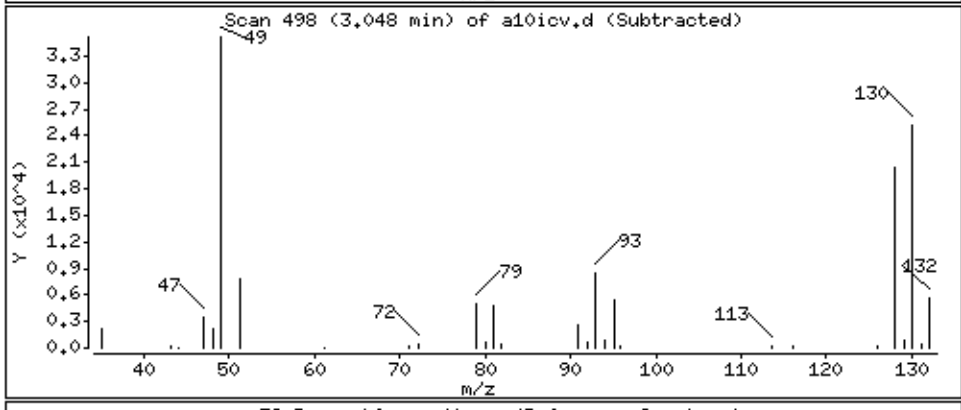
32 Bromochloromethane

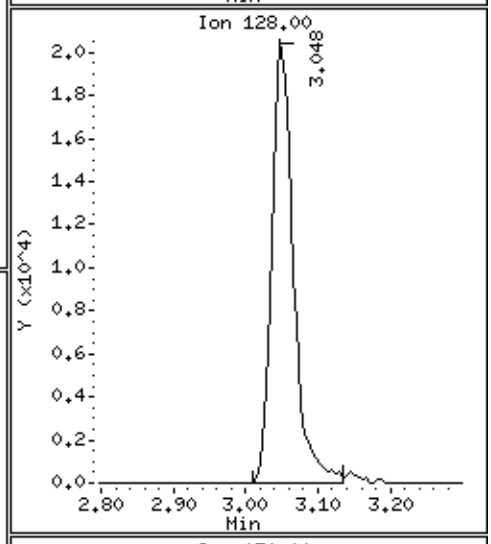
Concentration: 46.8 ppb

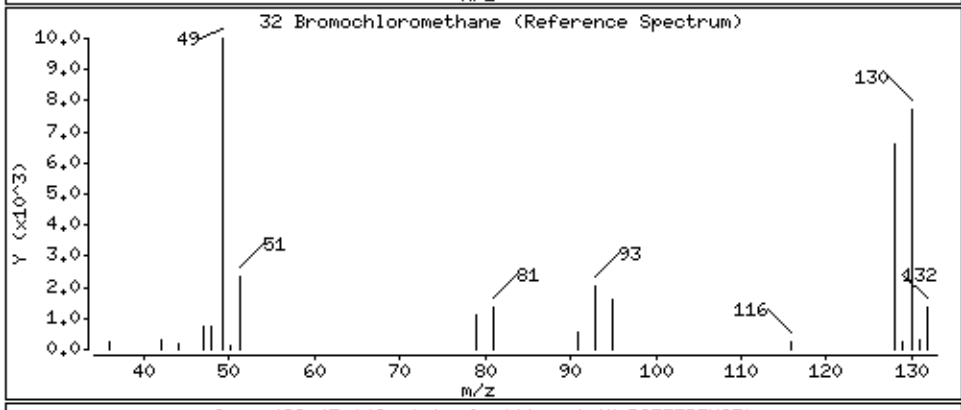
Review Code:

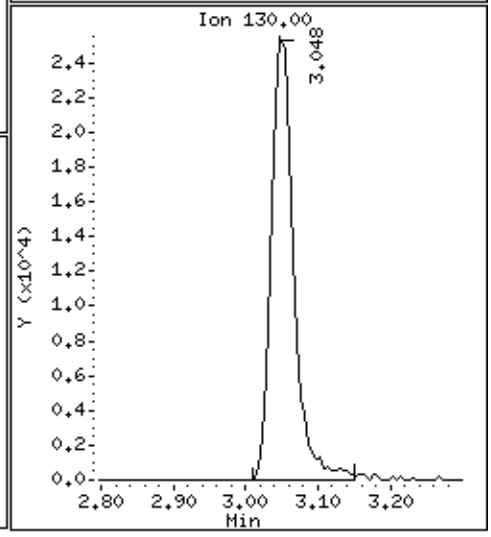


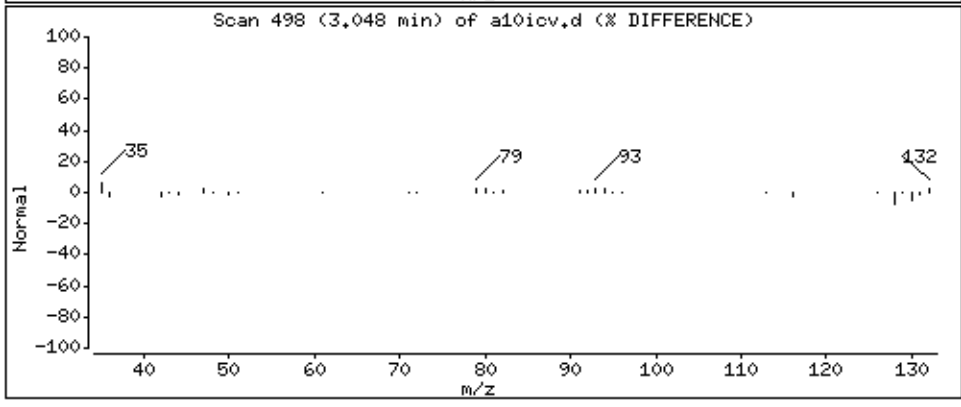












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

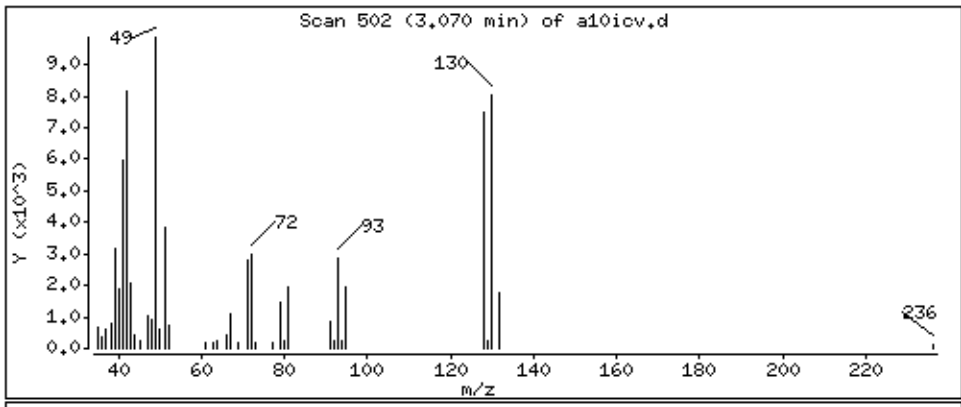
Column phase: DB-624

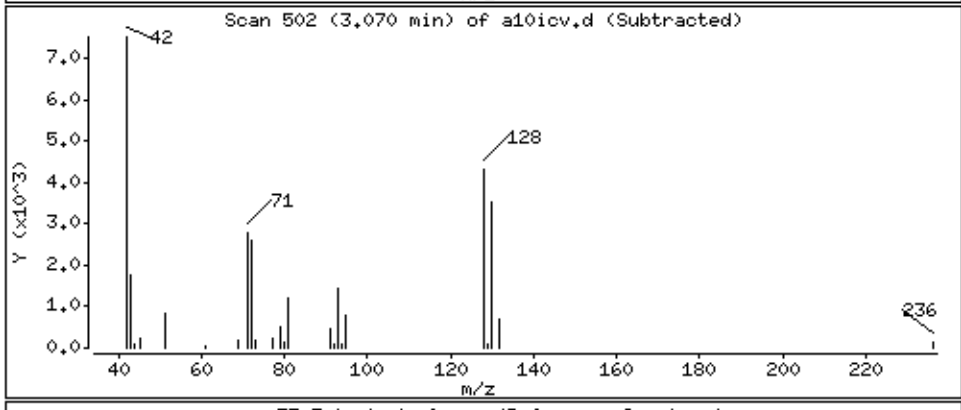
Column diameter: 0.18

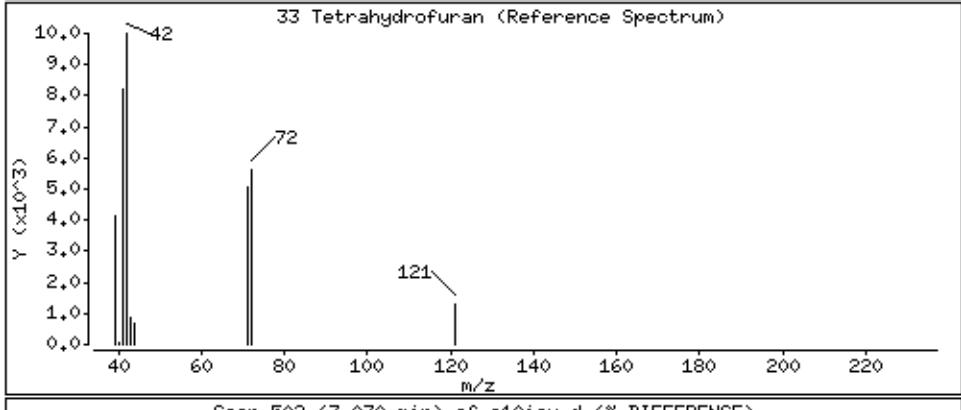
33 Tetrahydrofuran

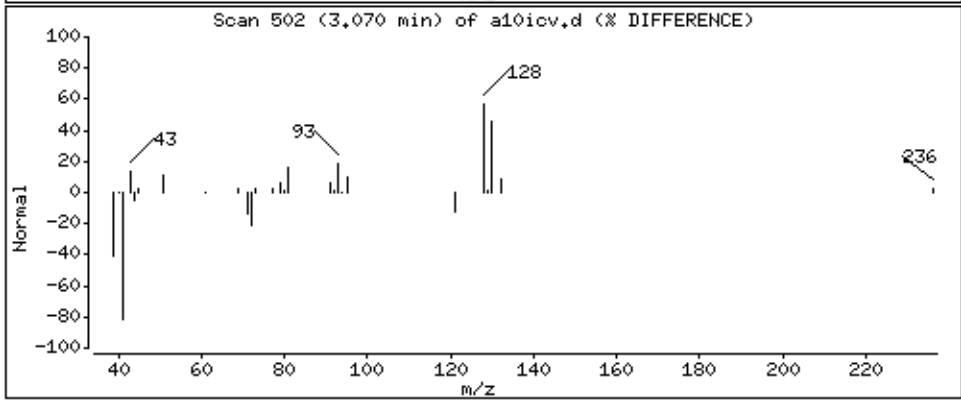
Concentration: 40.1 ppb

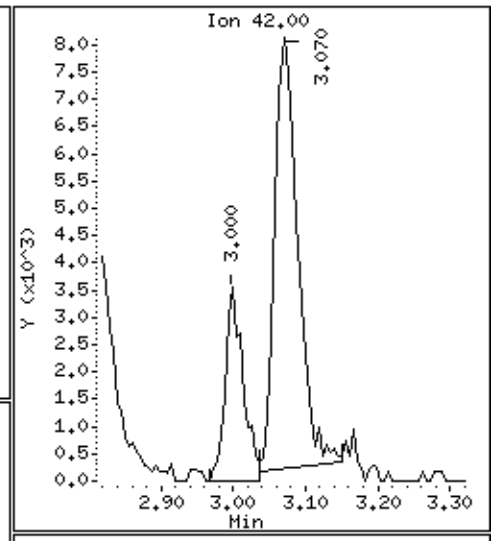
Review Code:

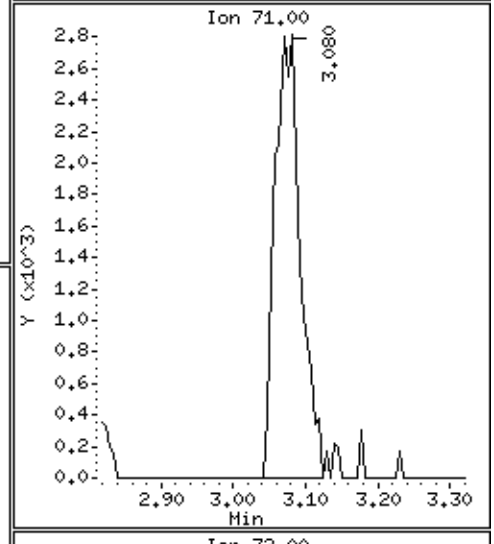


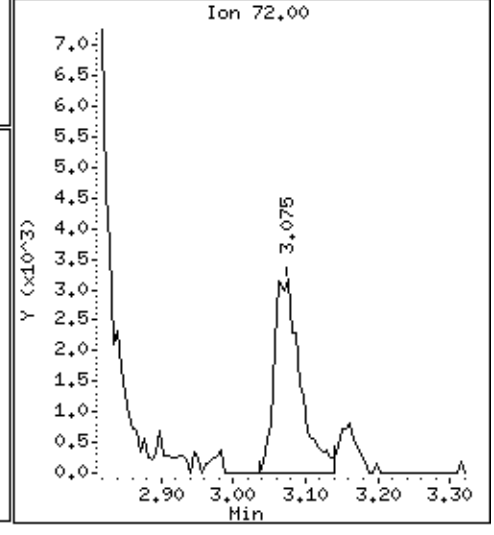












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

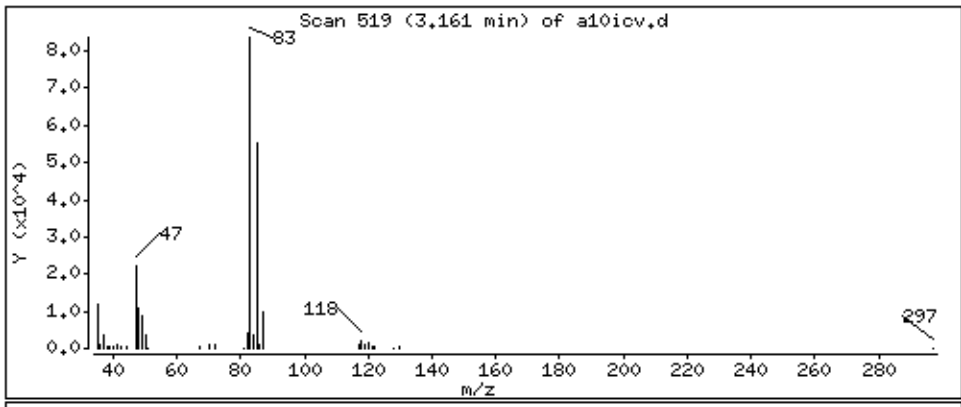
Column phase: DB-624

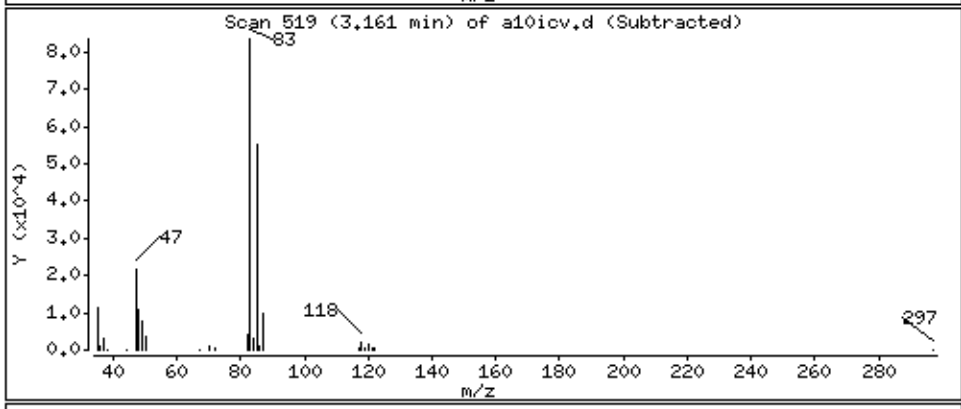
Column diameter: 0.18

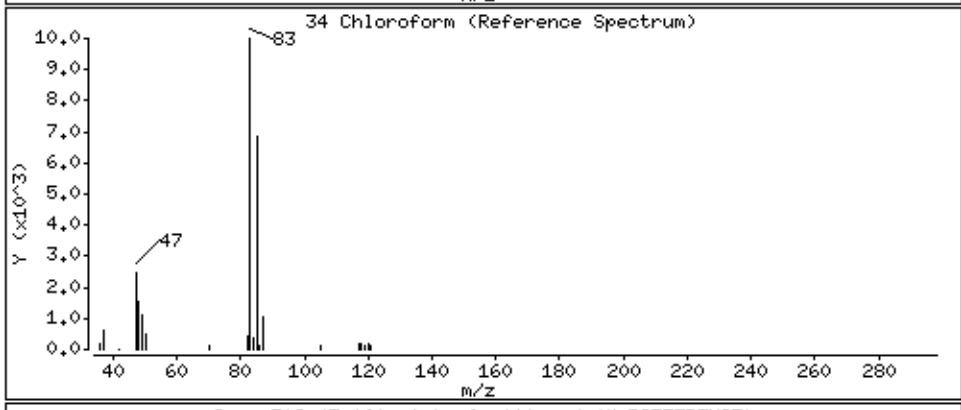
34 Chloroform

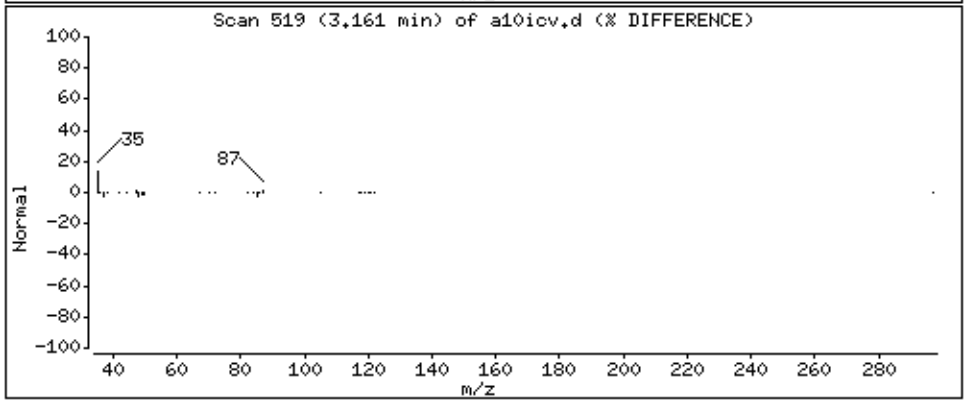
Concentration: 47.3 ppb

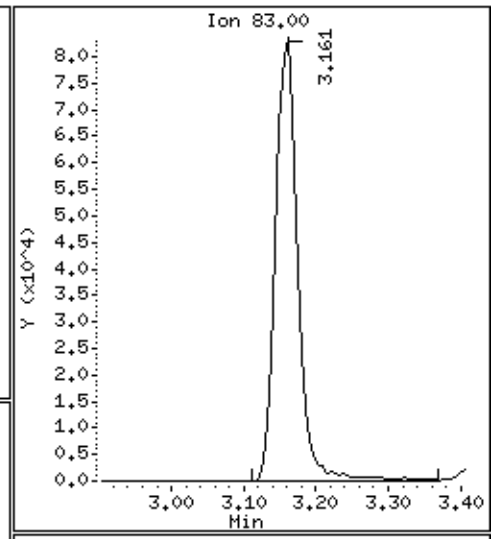
Review Code:

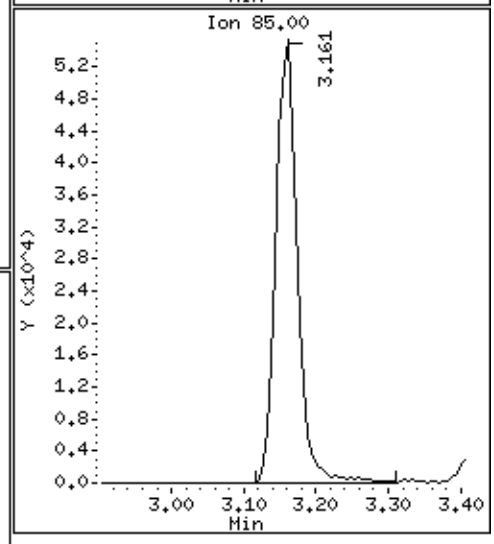












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

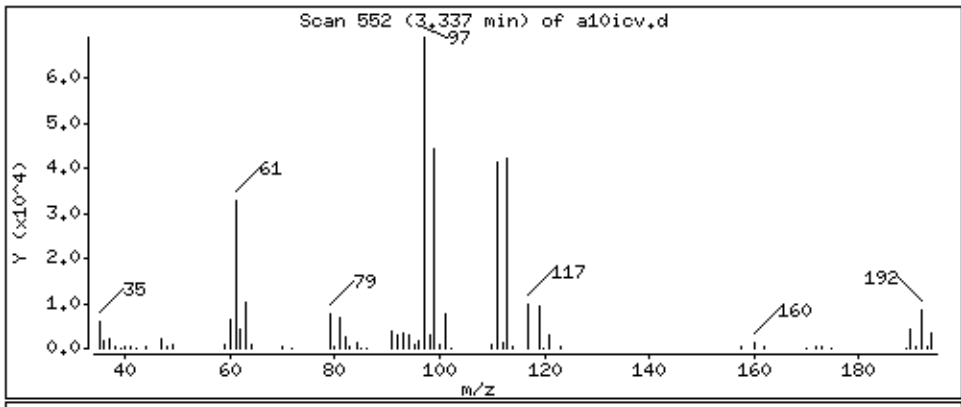
Column phase: DB-624

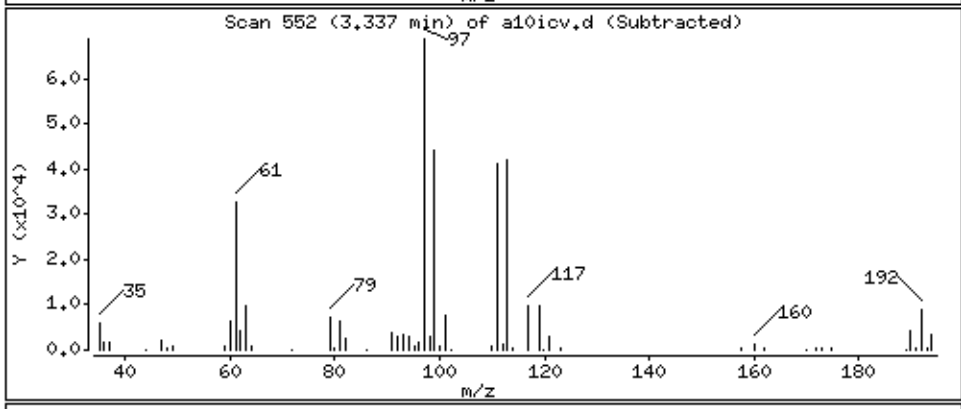
Column diameter: 0.18

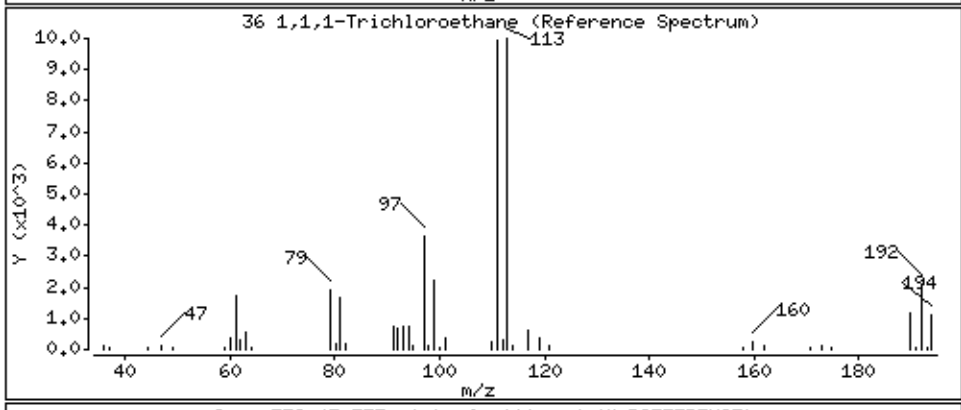
36 1,1,1-Trichloroethane

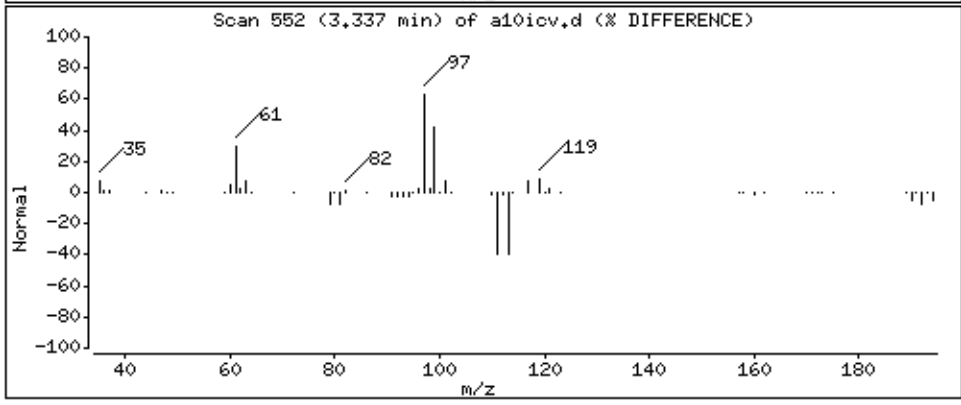
Concentration: 46.6 ppb

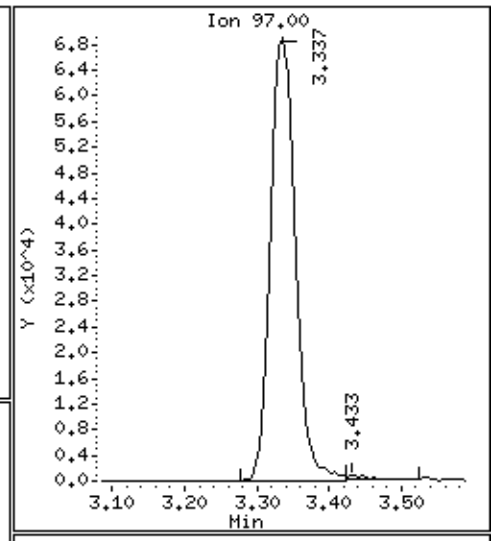
Review Code:

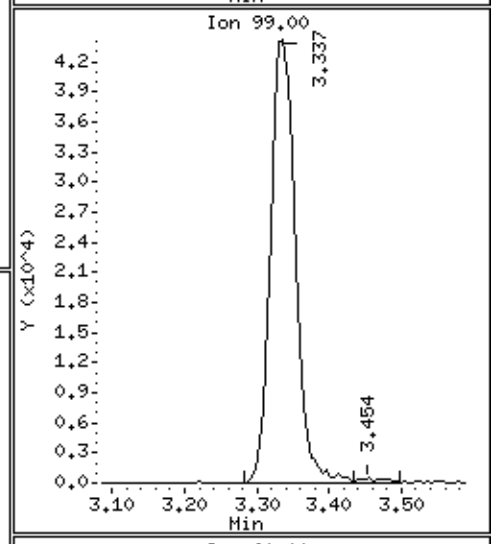


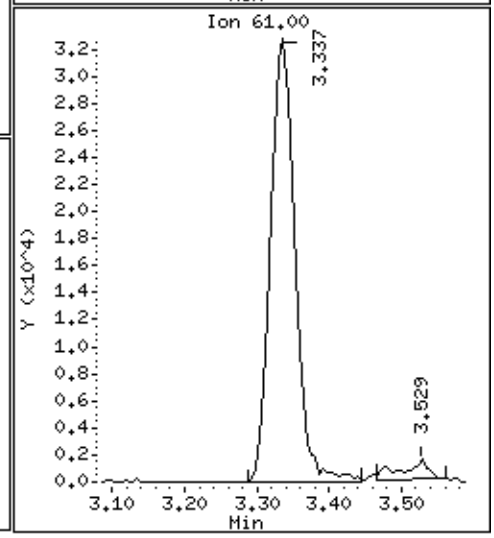












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

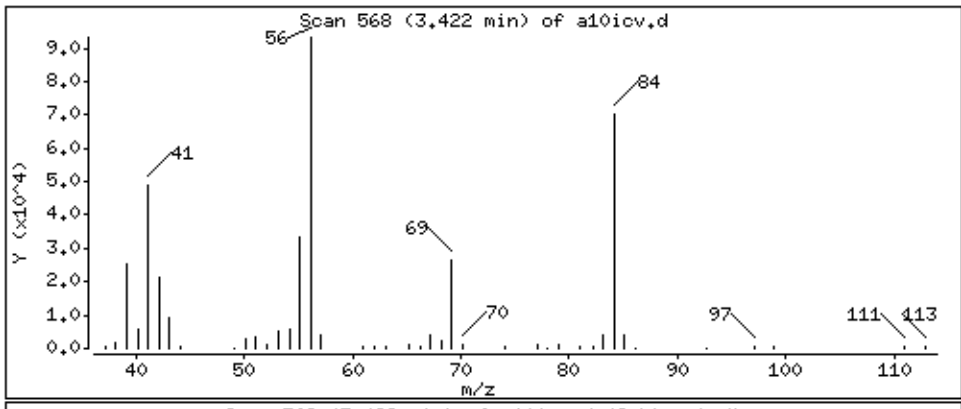
Column phase: DB-624

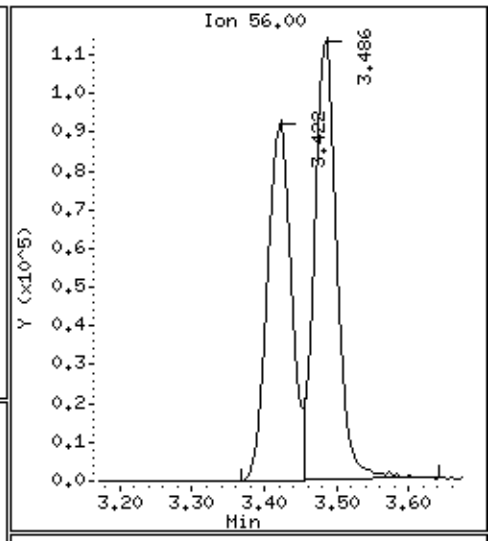
Column diameter: 0.18

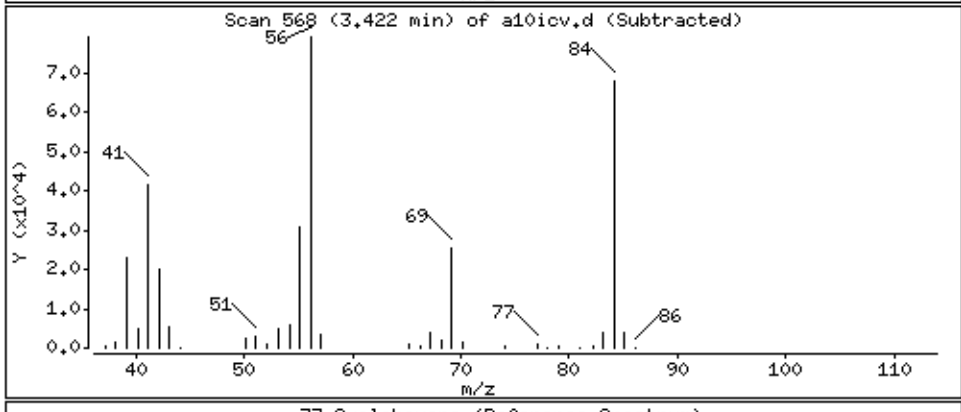
37 Cyclohexane

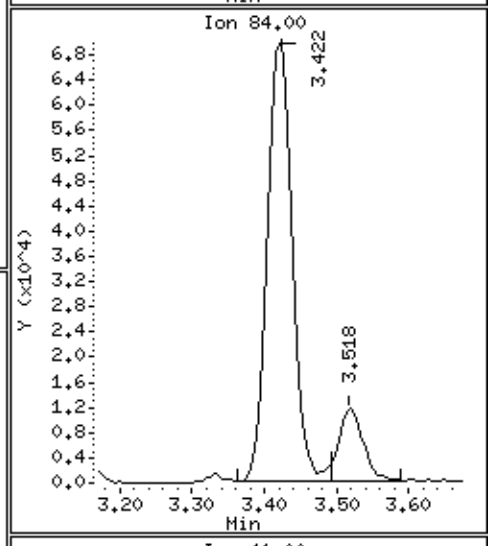
Concentration: 49.8 ppb

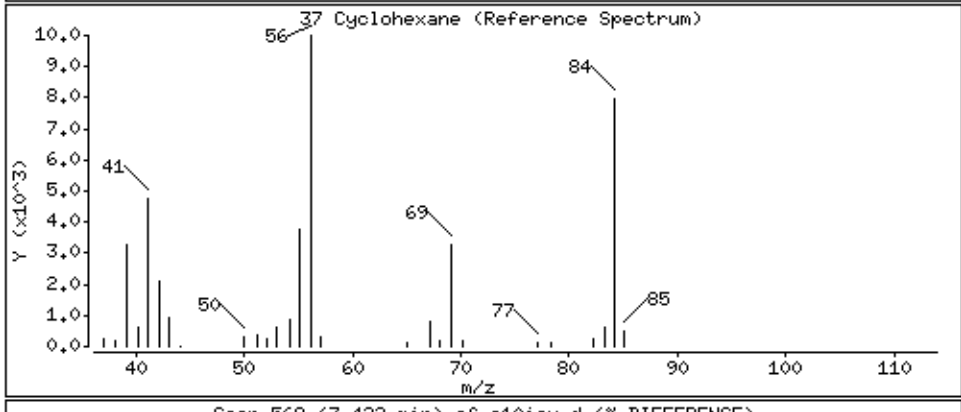
Review Code:

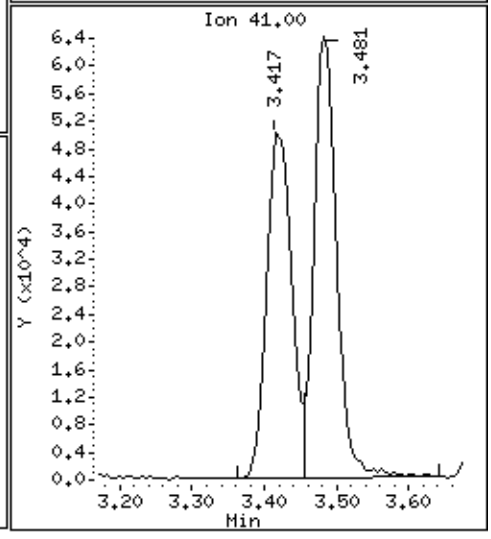


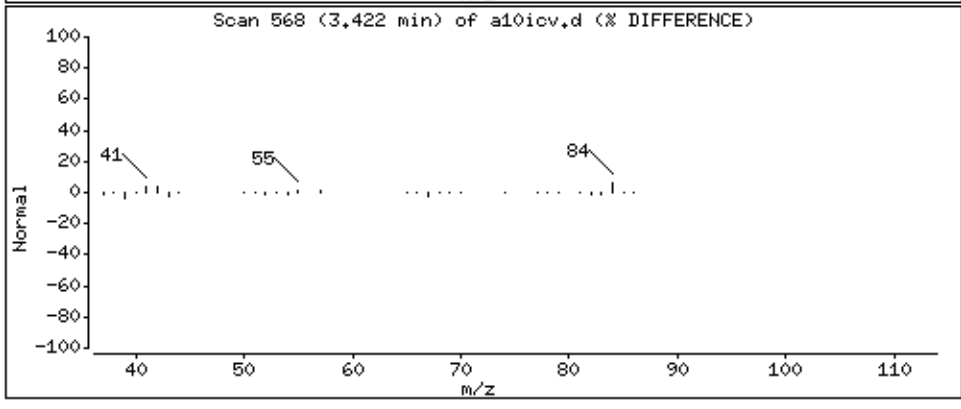












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

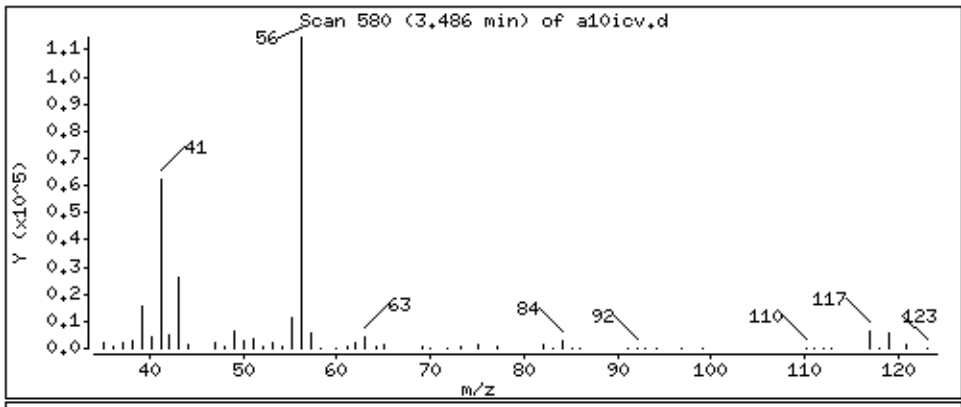
Column phase: DB-624

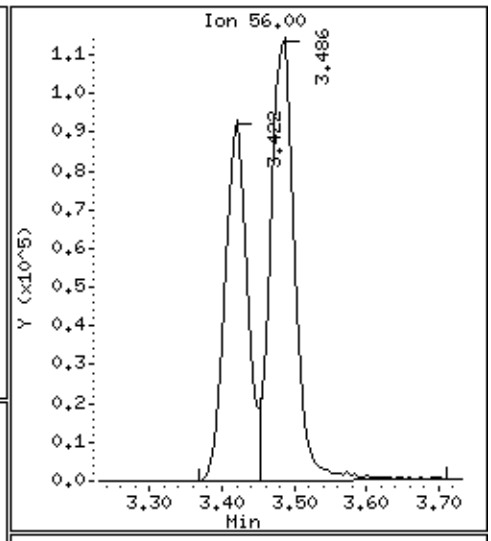
Column diameter: 0.18

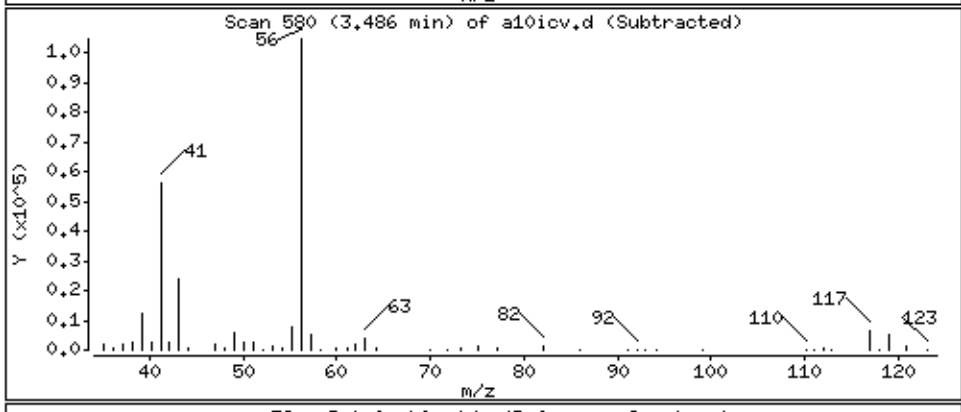
38 n-Butyl chloride

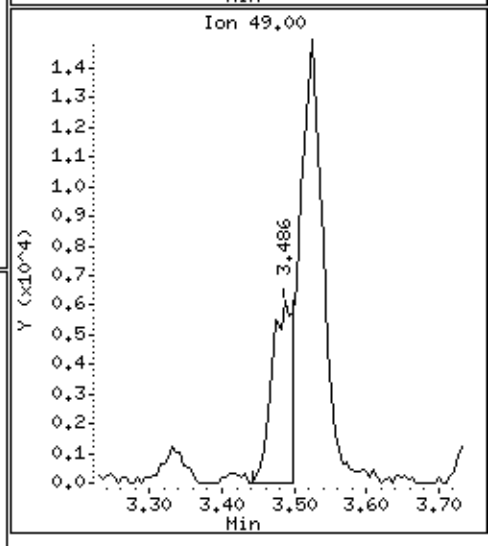
Concentration: 49.9 ppb

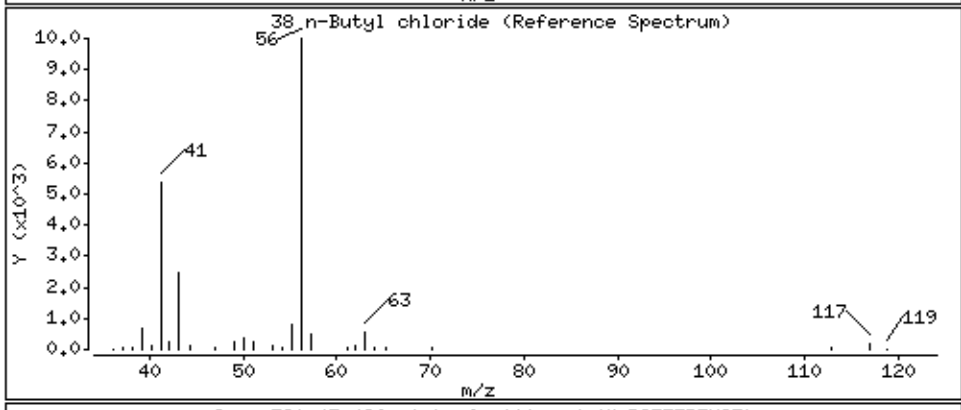
Review Code:

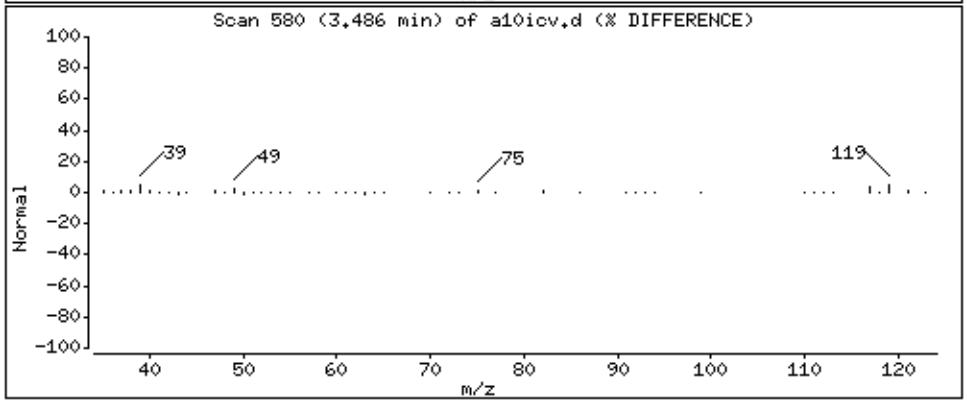












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

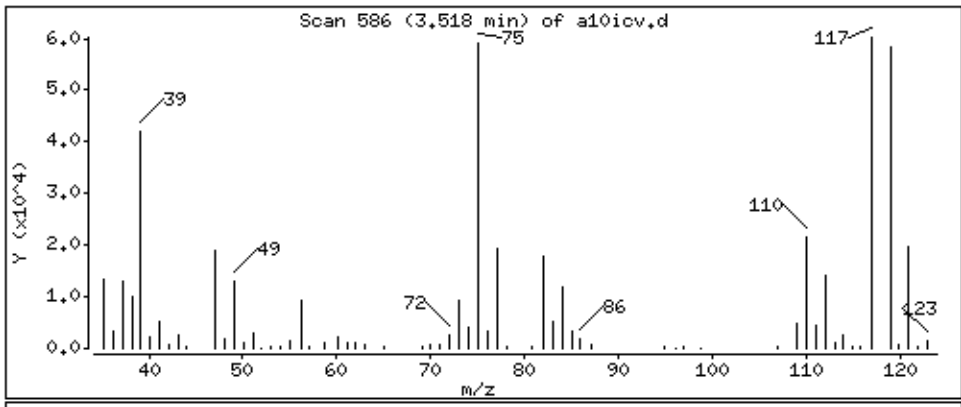
Column phase: DB-624

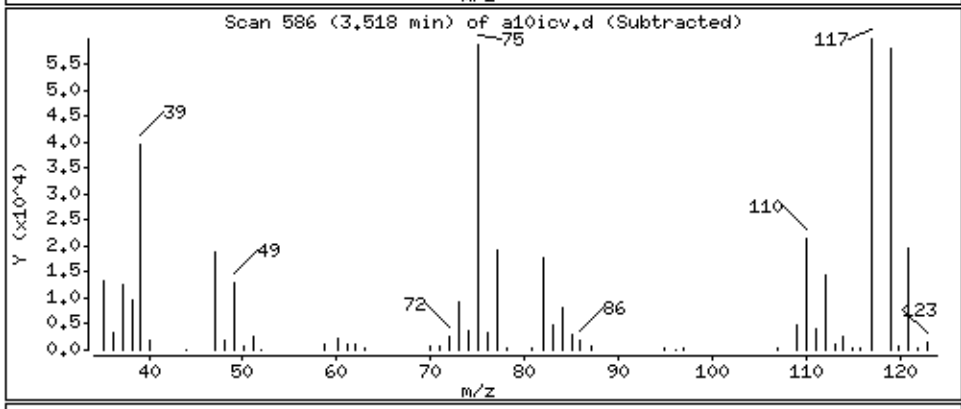
Column diameter: 0.18

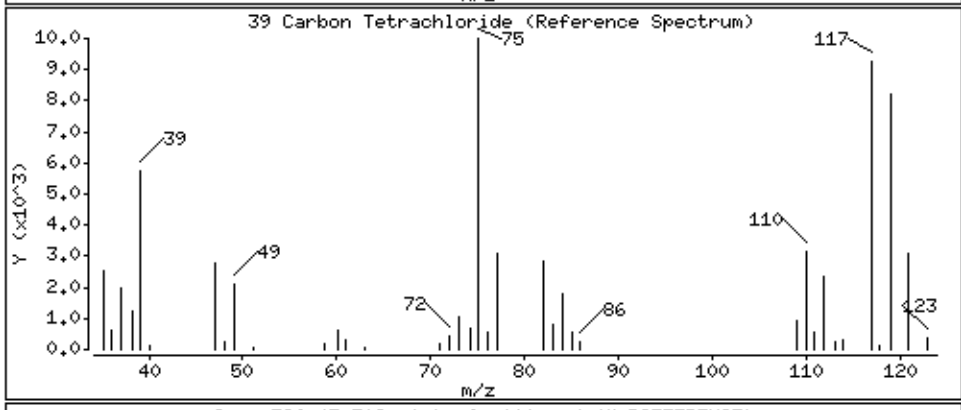
39 Carbon Tetrachloride

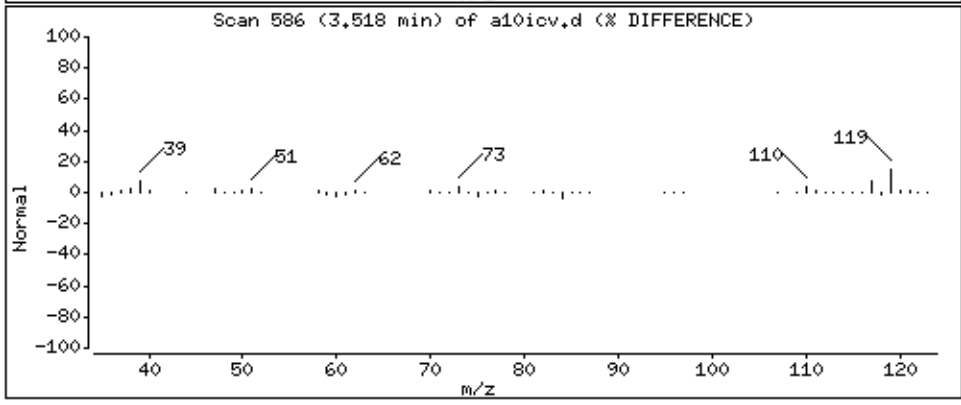
Concentration: 50.1 ppb

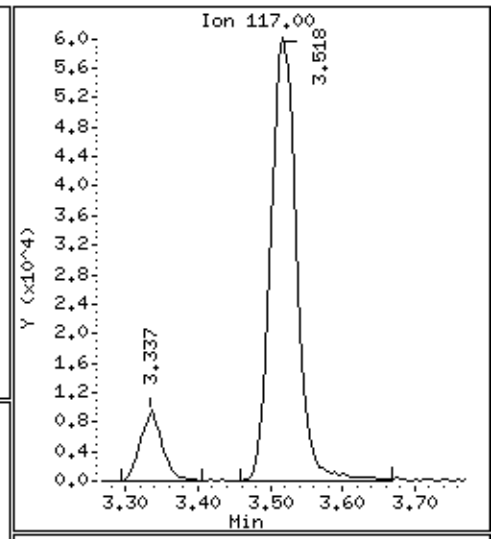
Review Code:

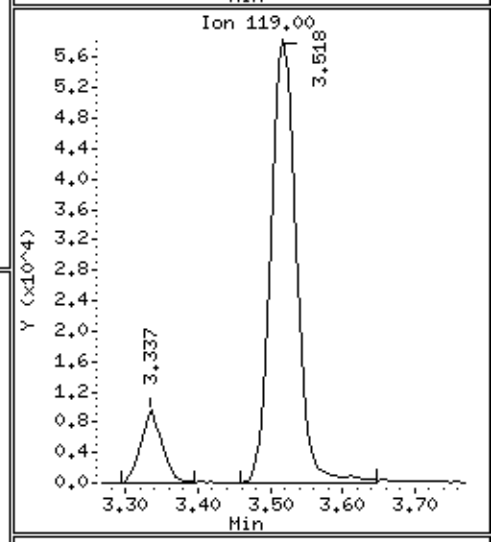


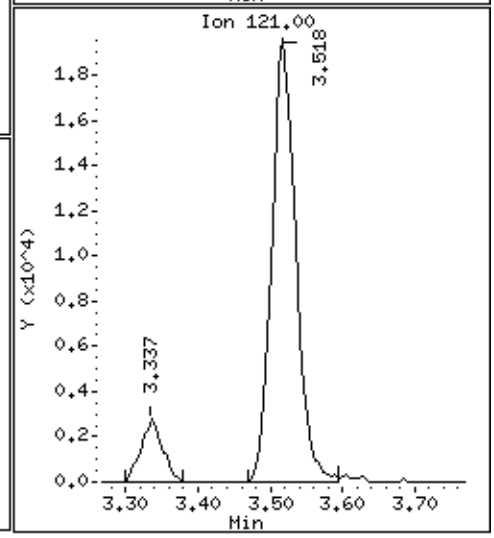












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

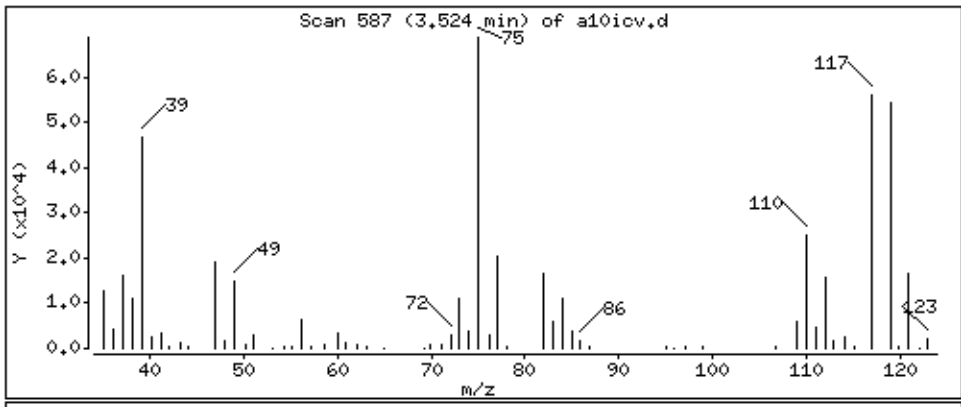
Column phase: DB-624

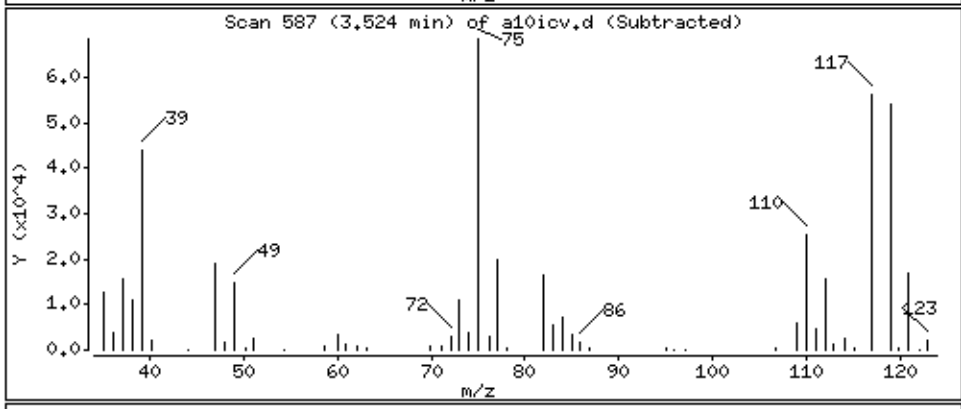
Column diameter: 0.18

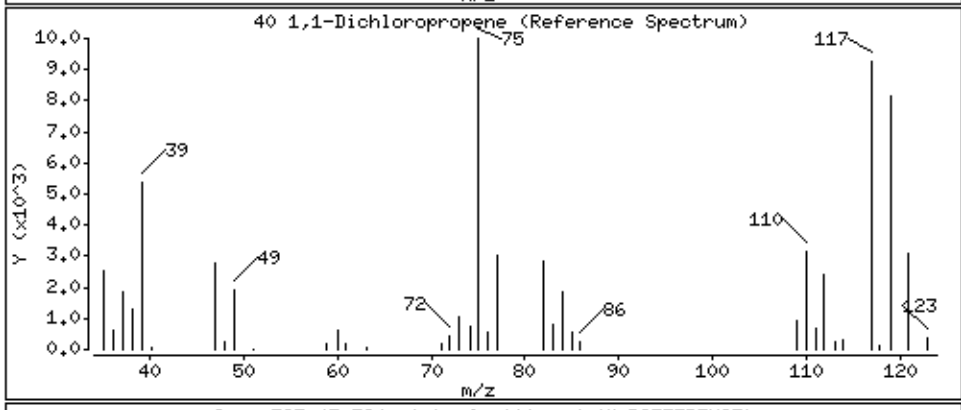
40 1,1-Dichloropropene

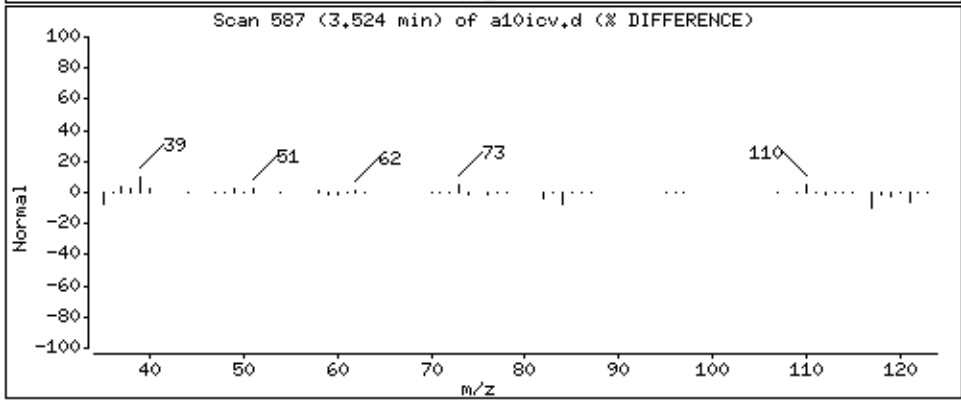
Concentration: 49.4 ppb

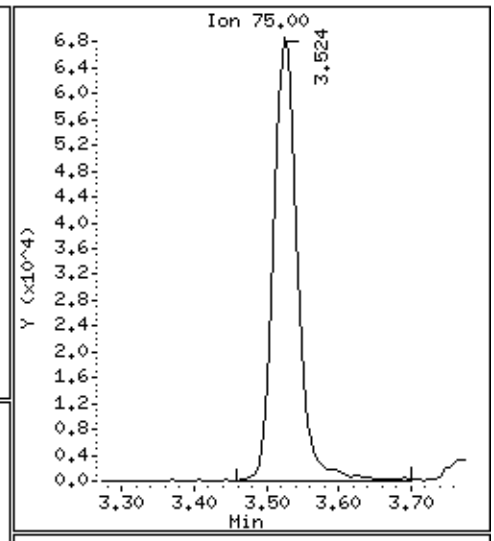
Review Code:

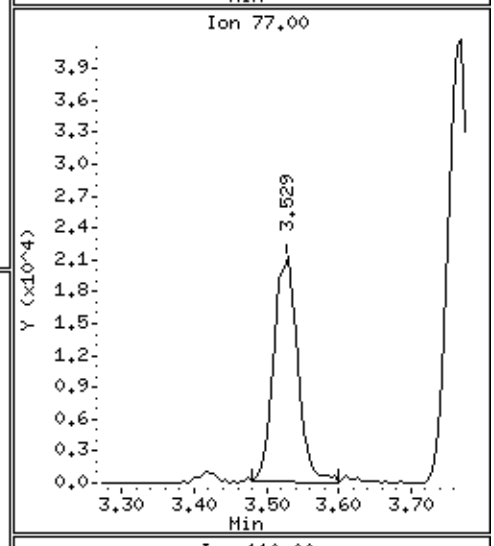


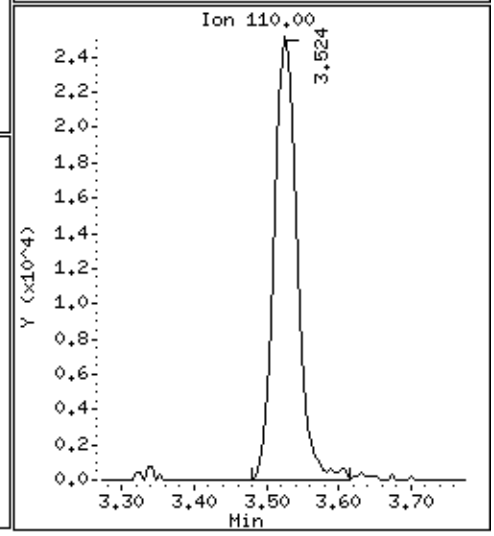












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Page 44

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

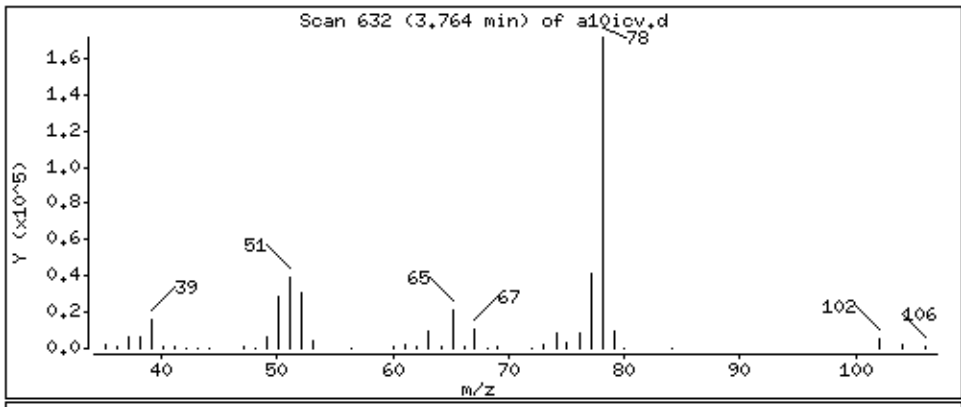
Column phase: DB-624

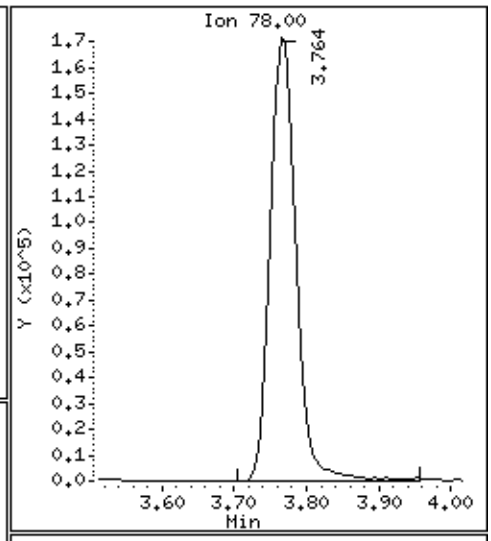
Column diameter: 0.18

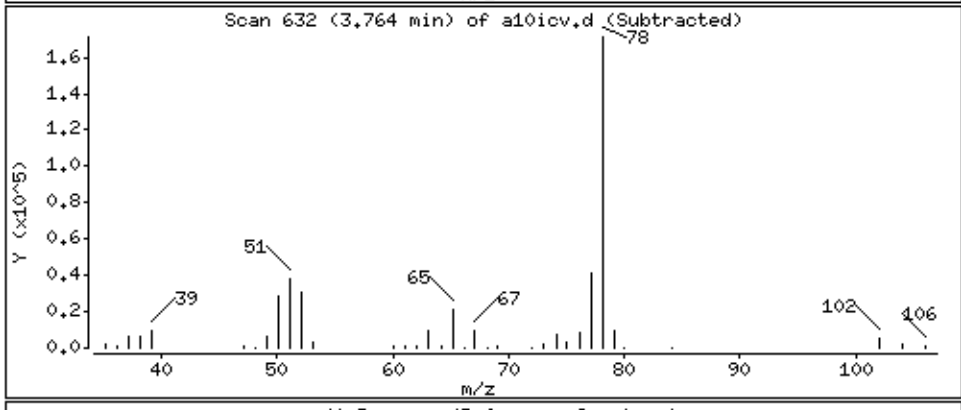
41 Benzene

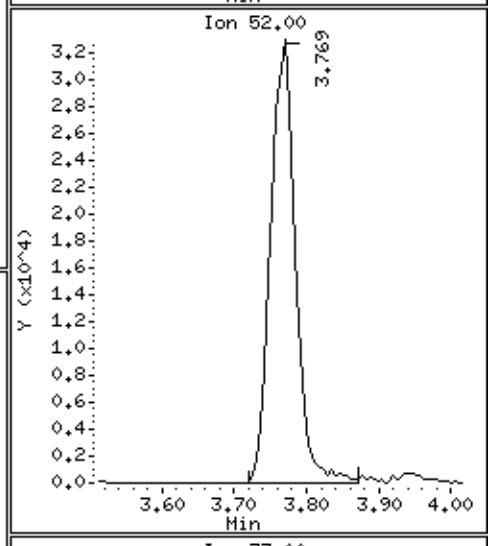
Concentration: 47.9 ppb

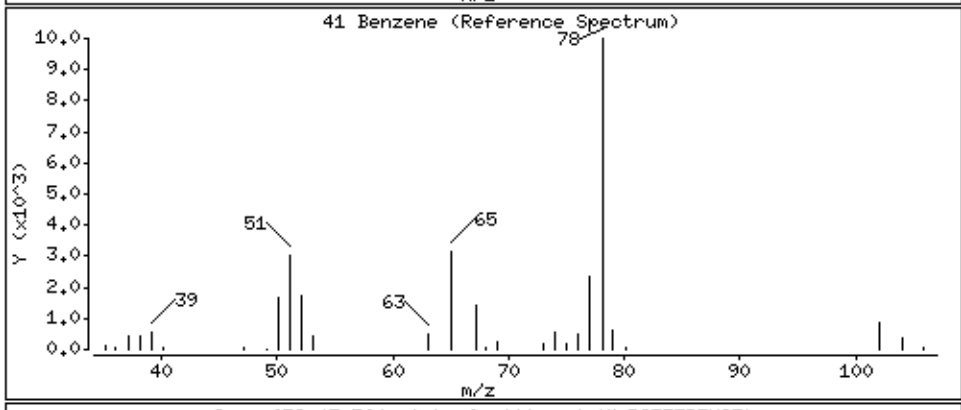
Review Code:

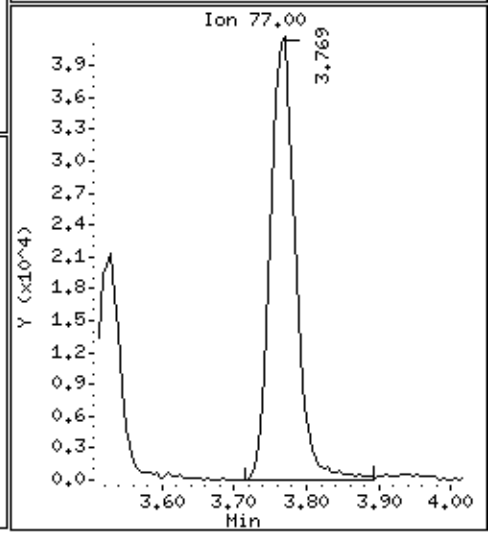


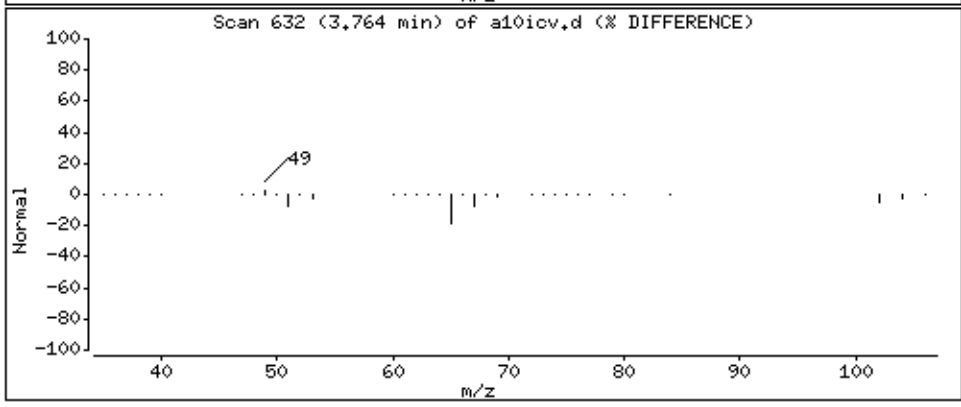












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

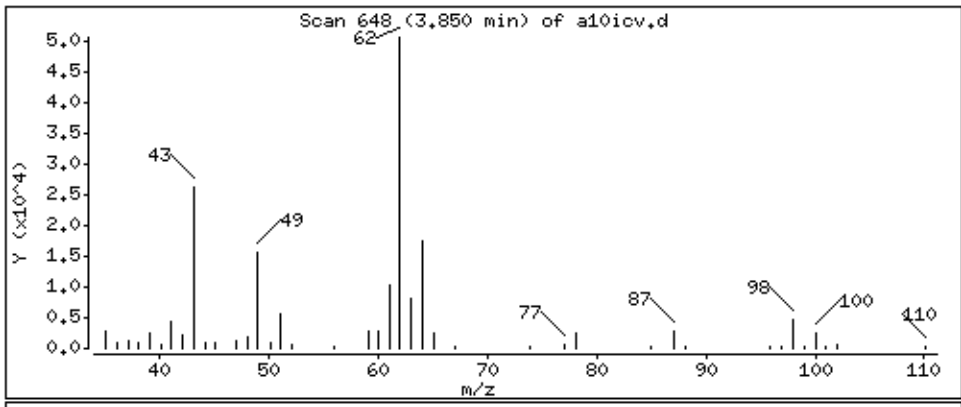
Column phase: DB-624

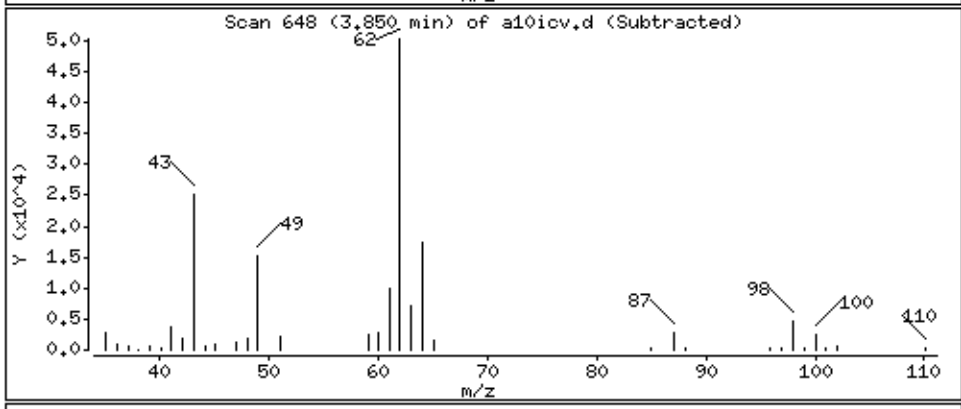
Column diameter: 0.18

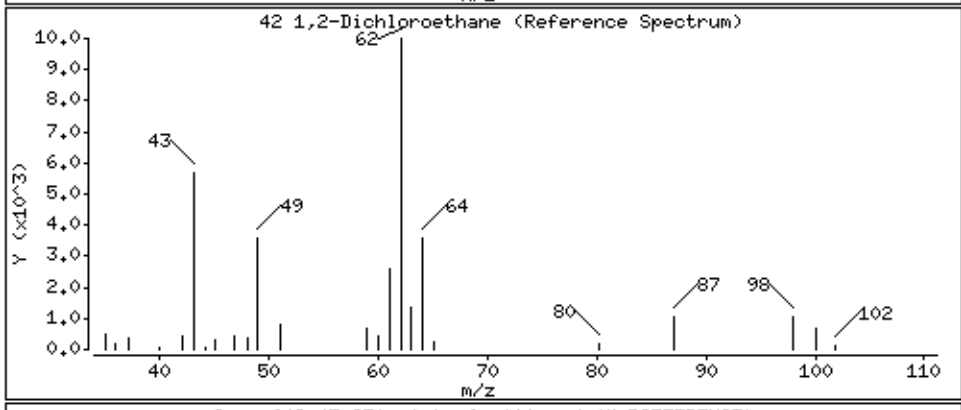
42 1,2-Dichloroethane

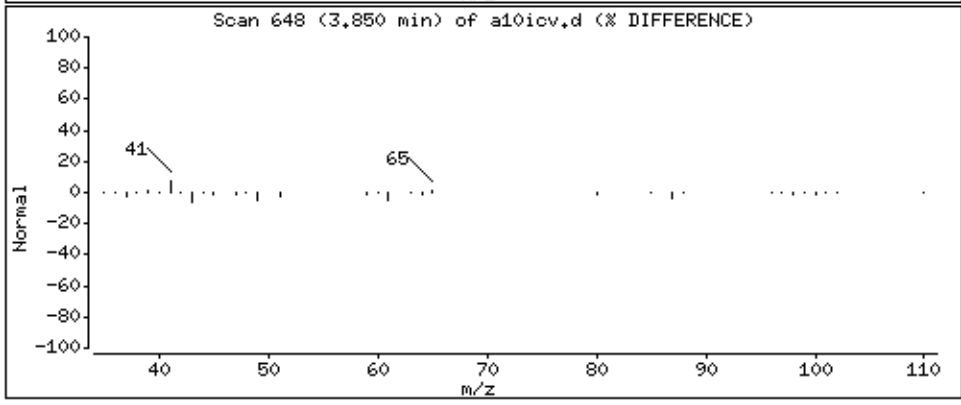
Concentration: 46.8 ppb

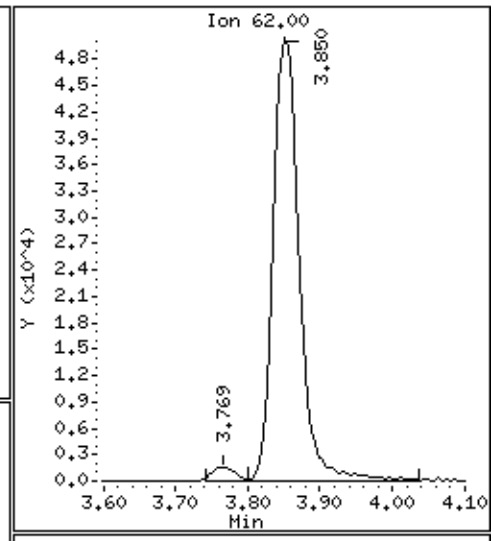
Review Code:

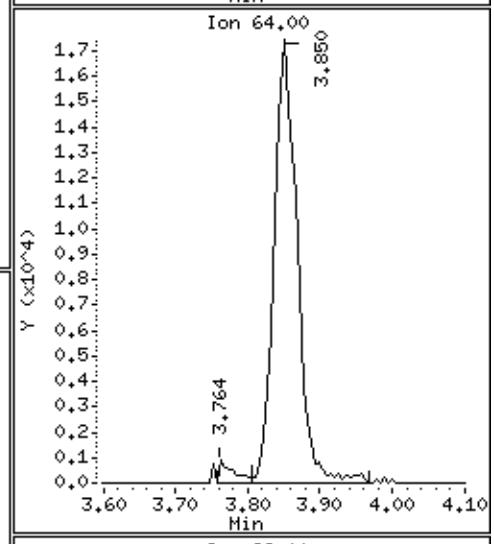


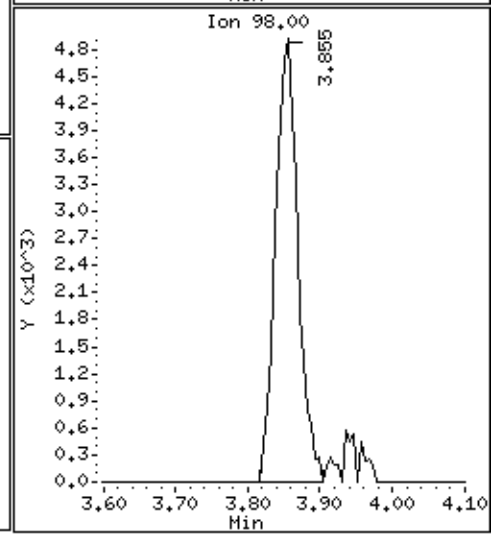












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

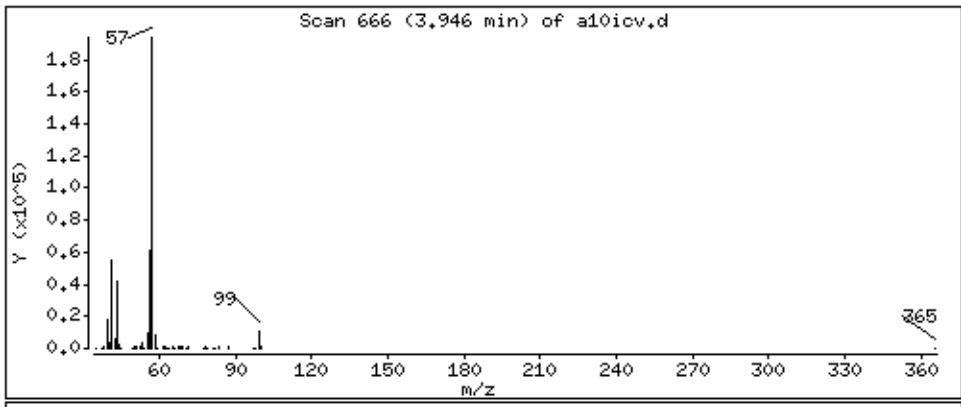
Column phase: DB-624

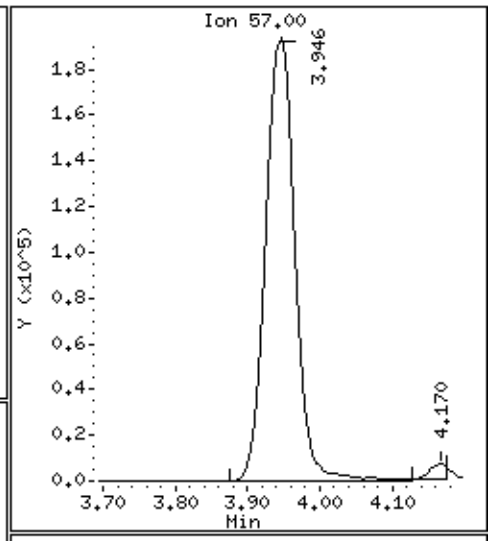
Column diameter: 0.18

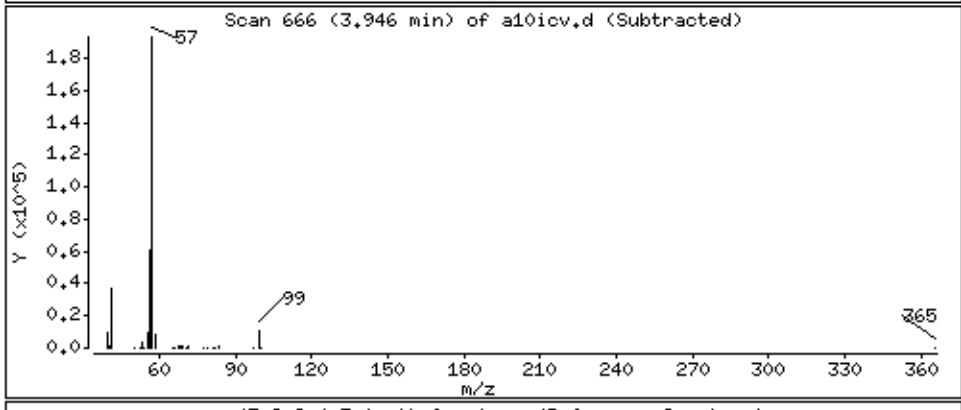
43 2,2,4-Trimethylpentane

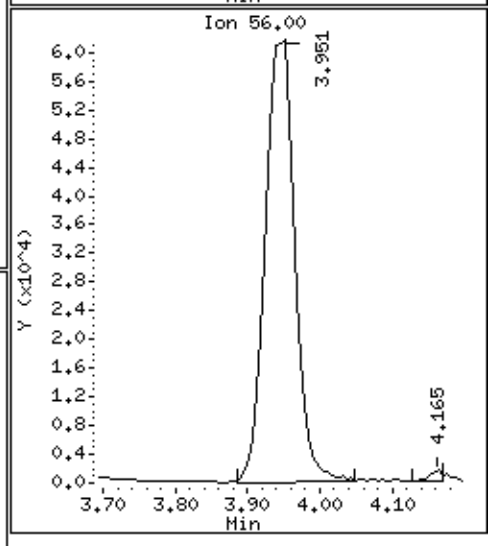
Concentration: 50.5 ppb

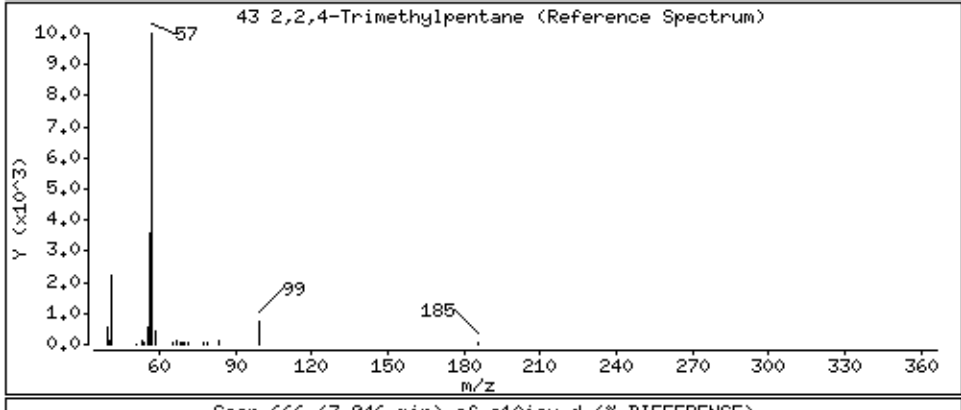
Review Code:

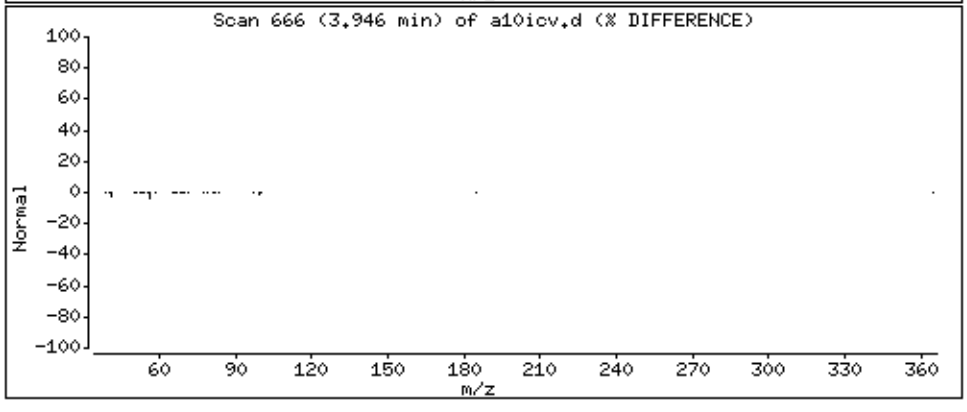












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

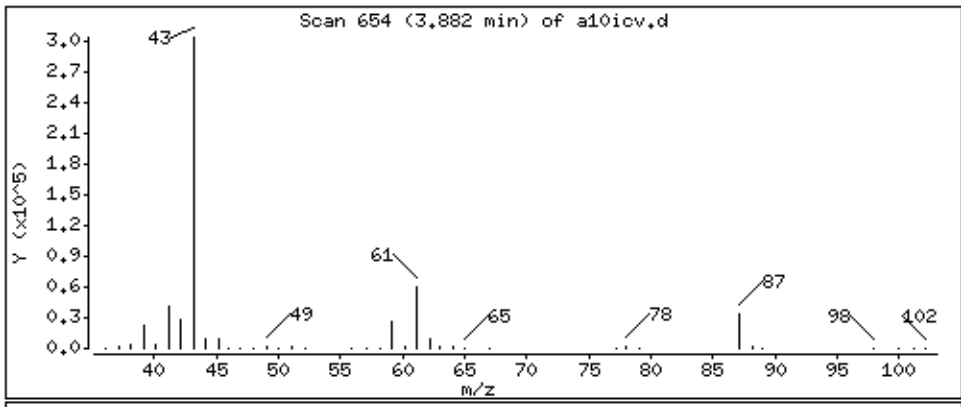
Column phase: DB-624

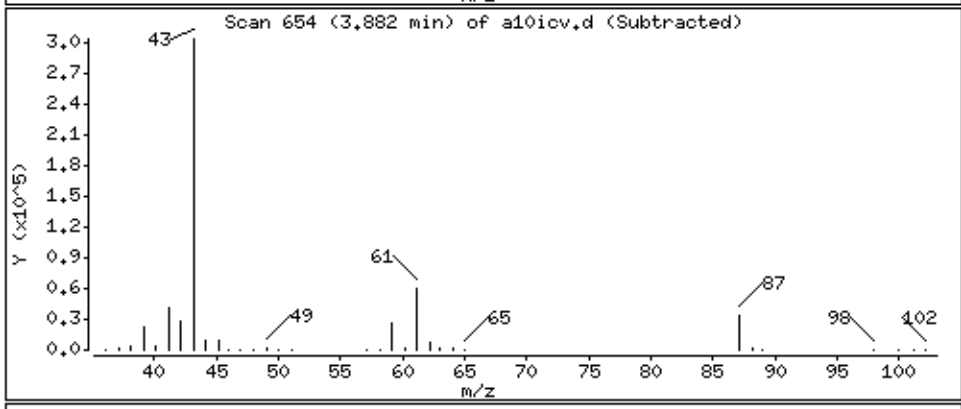
Column diameter: 0.18

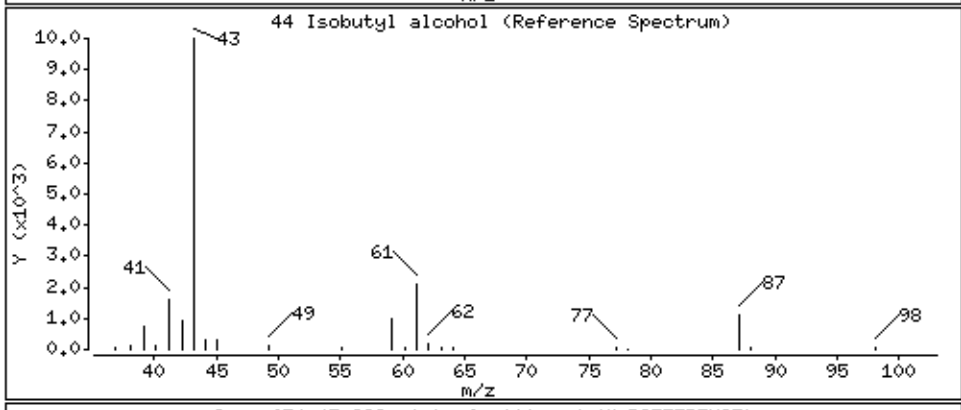
44 Isobutyl alcohol

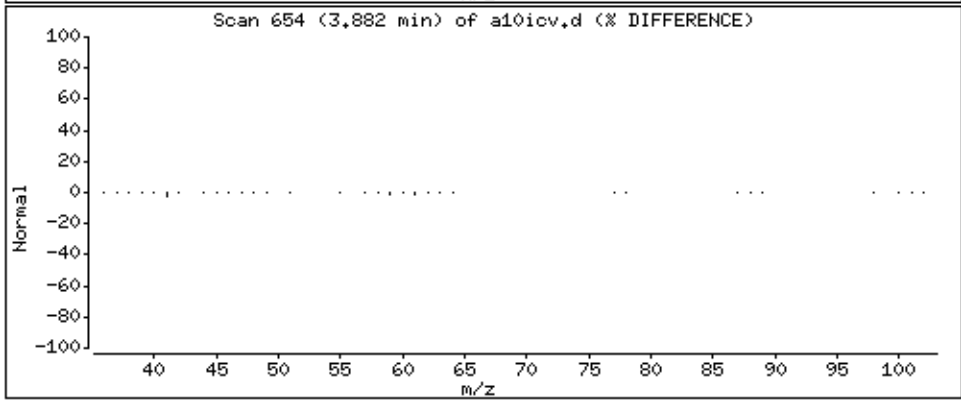
Concentration: 59.1 ppb

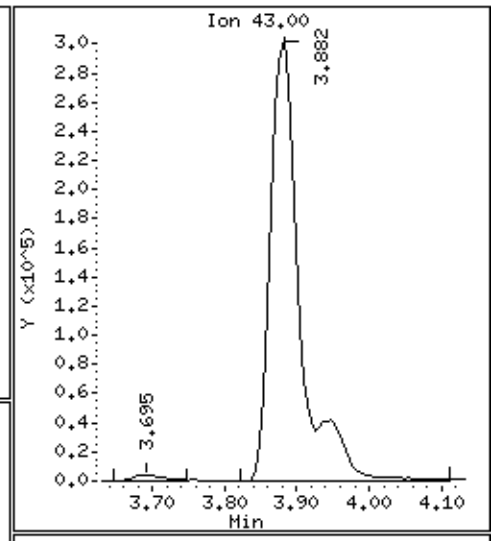
Review Code:

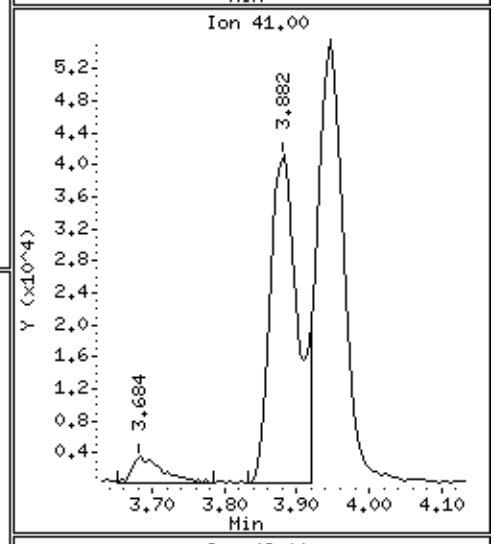


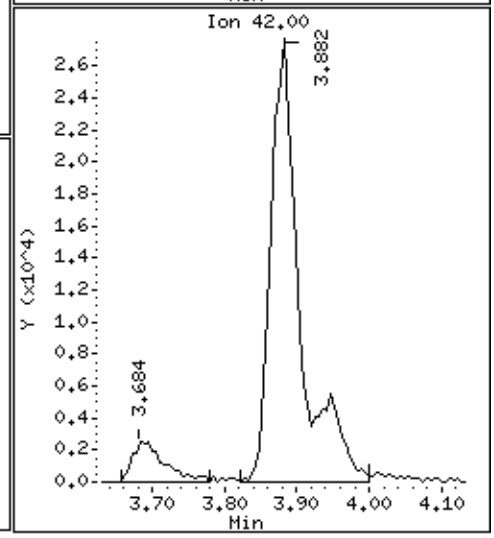












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

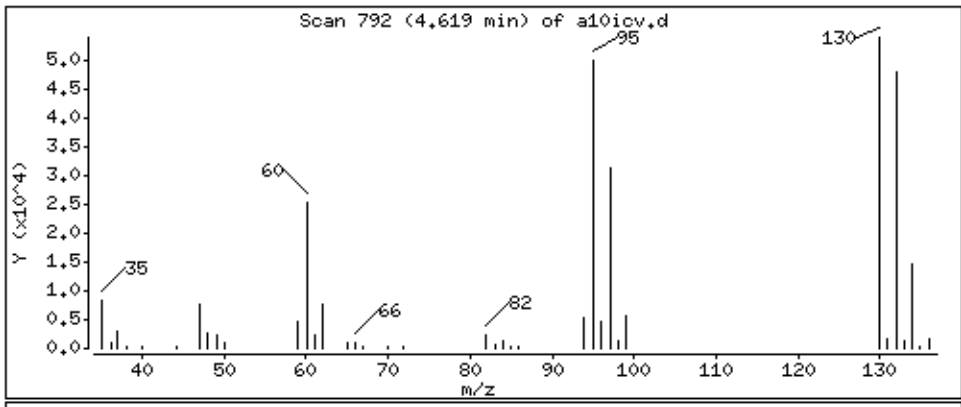
Column phase: DB-624

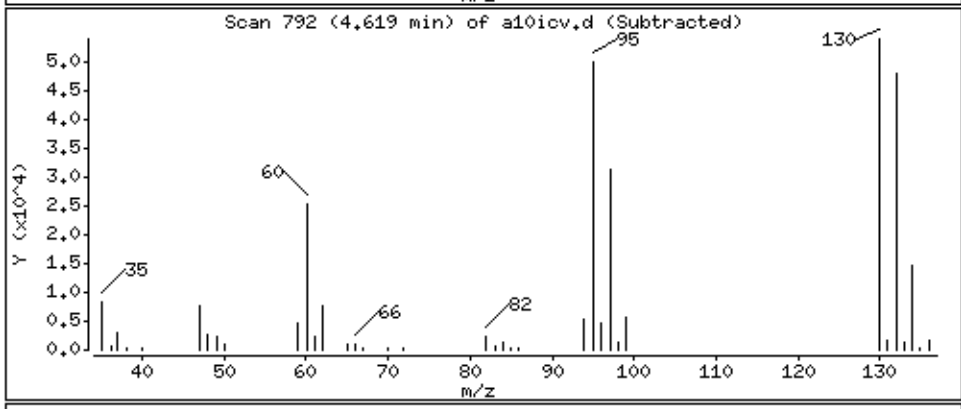
Column diameter: 0.18

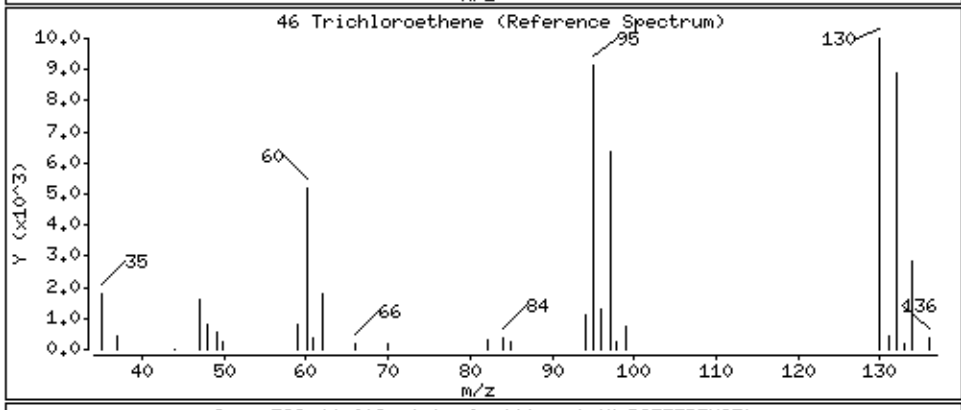
46 Trichloroethene

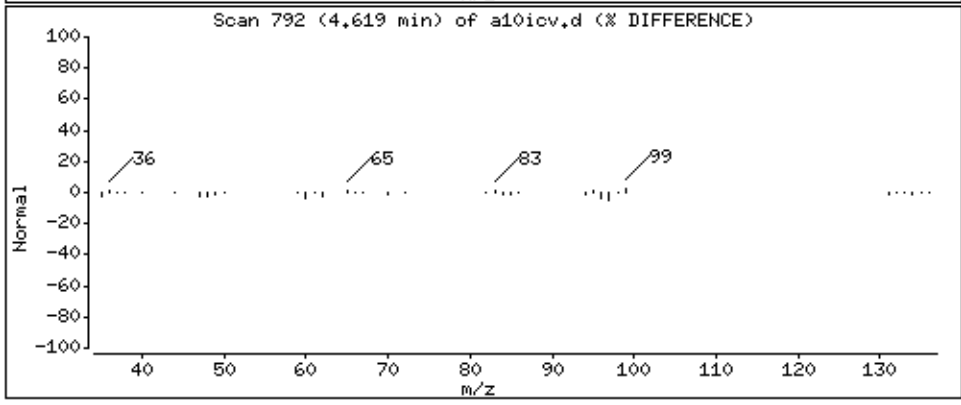
Concentration: 44.5 ppb

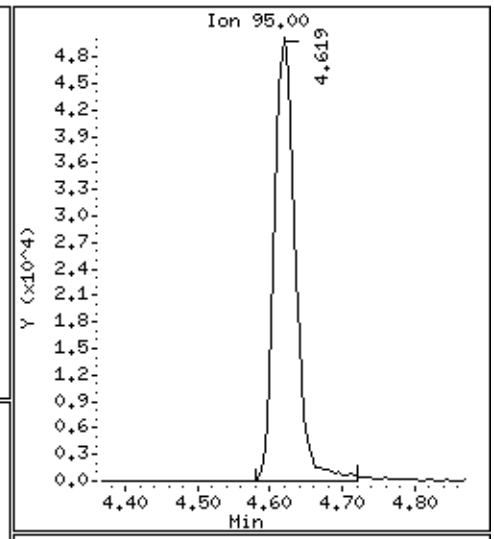
Review Code:

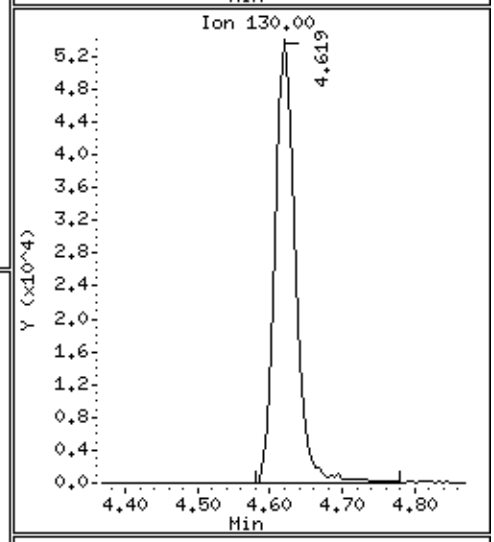


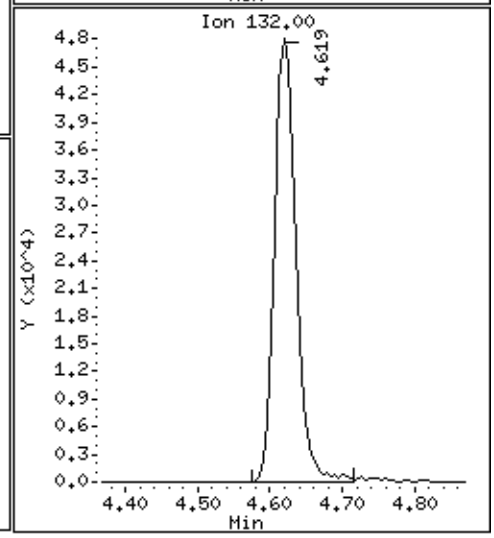












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

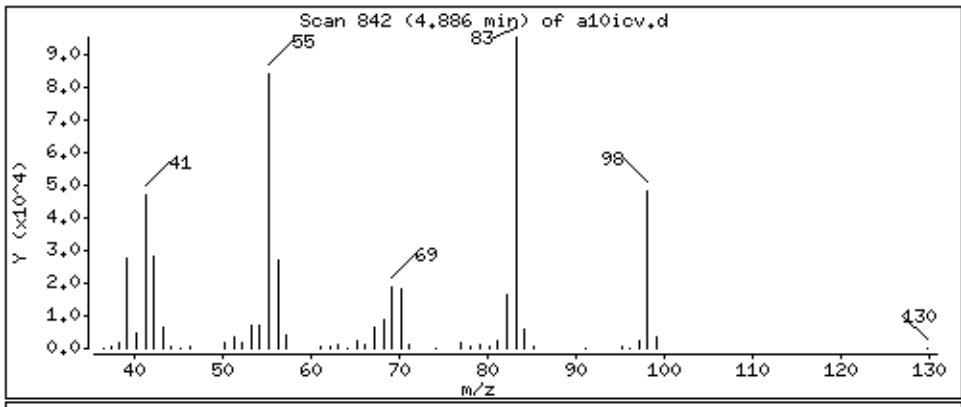
Column phase: DB-624

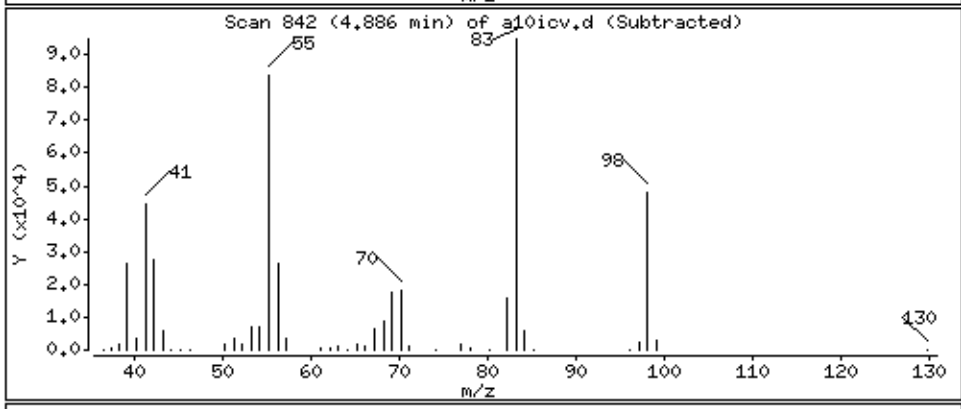
Column diameter: 0.18

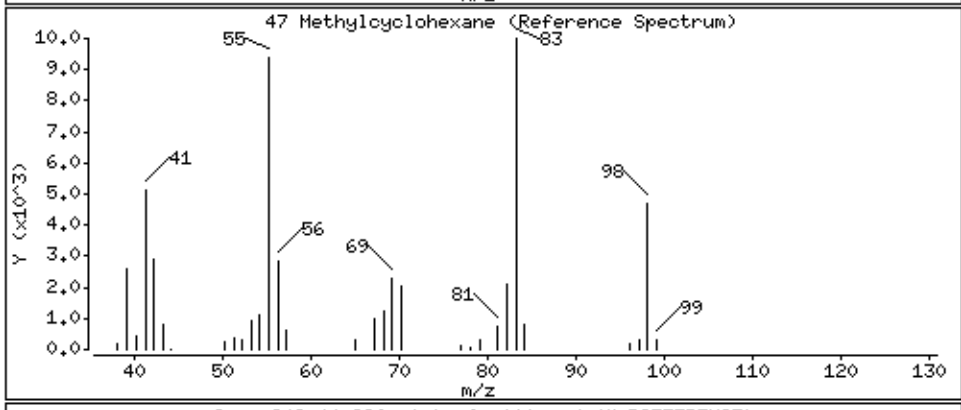
47 Methylcyclohexane

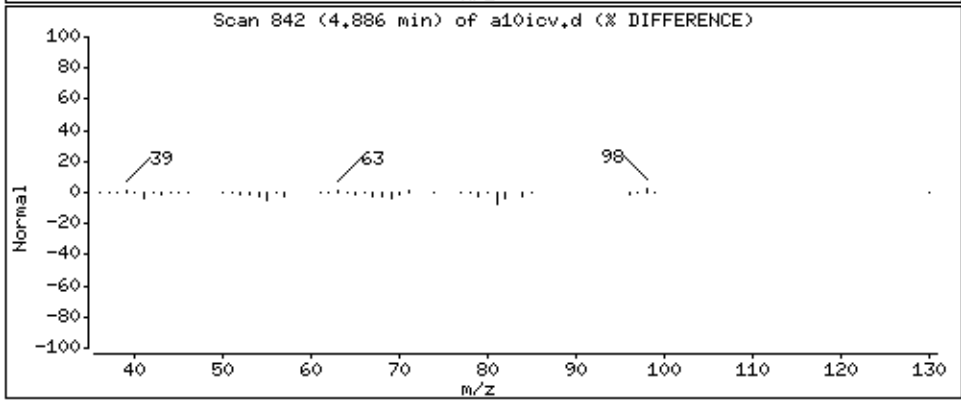
Concentration: 51.6 ppb

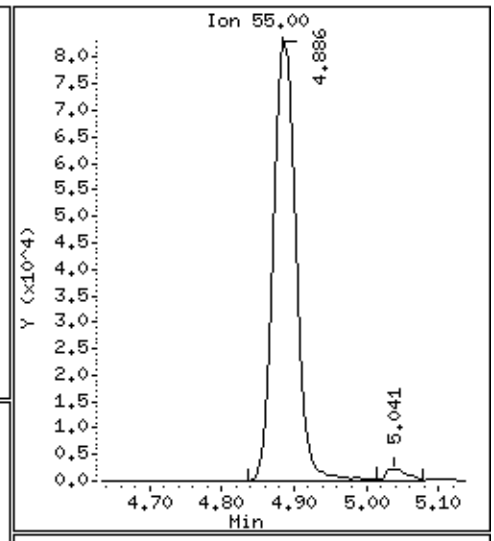
Review Code:

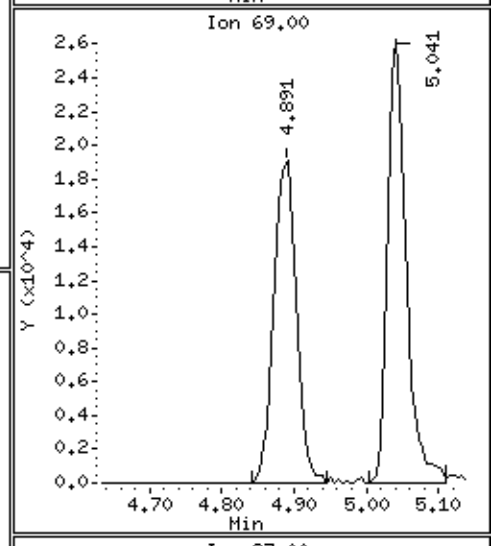


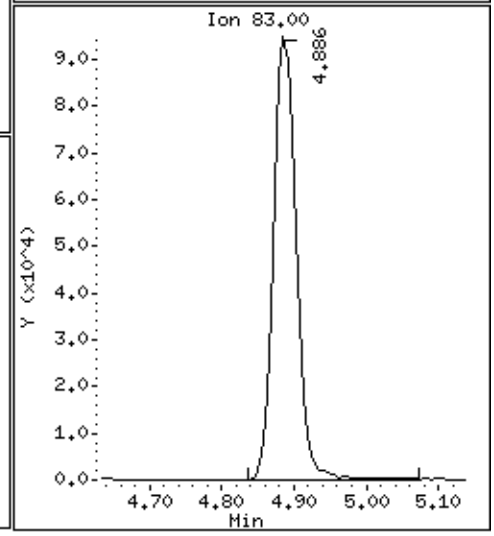












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

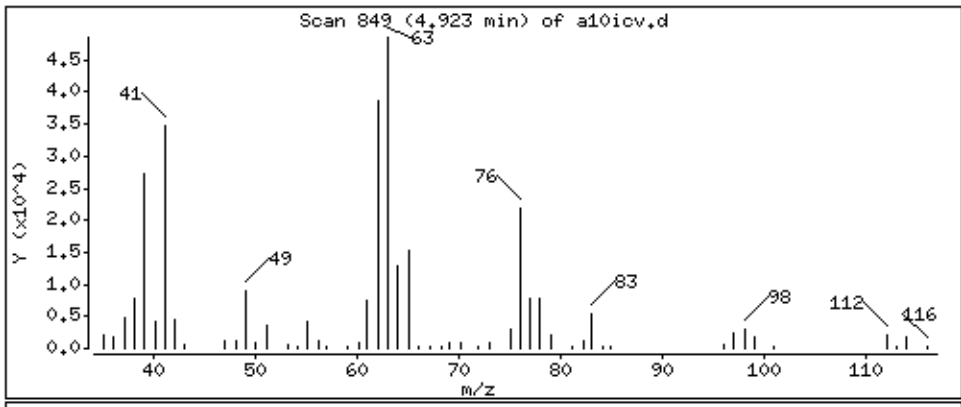
Column phase: DB-624

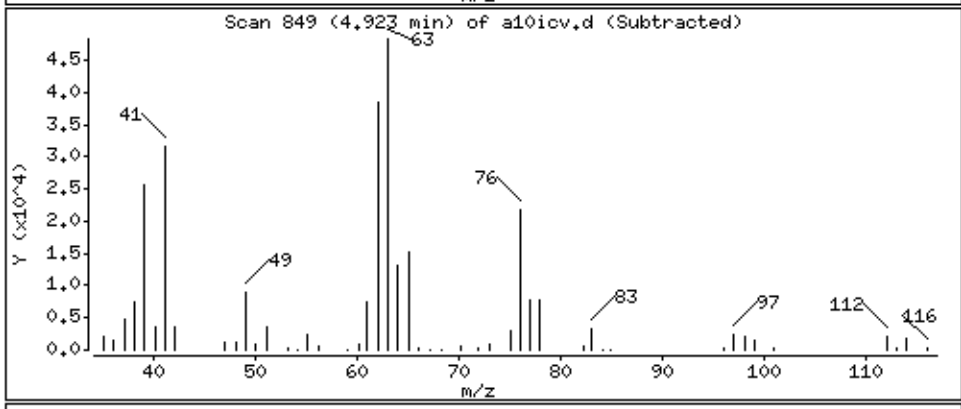
Column diameter: 0.18

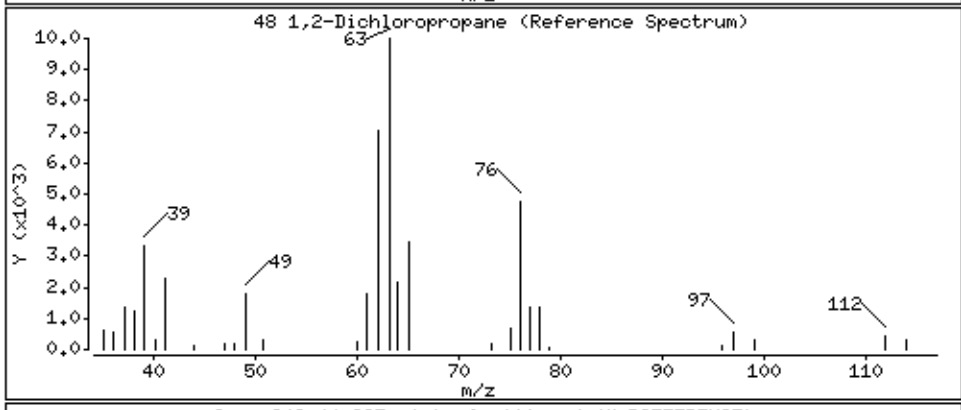
48 1,2-Dichloropropane

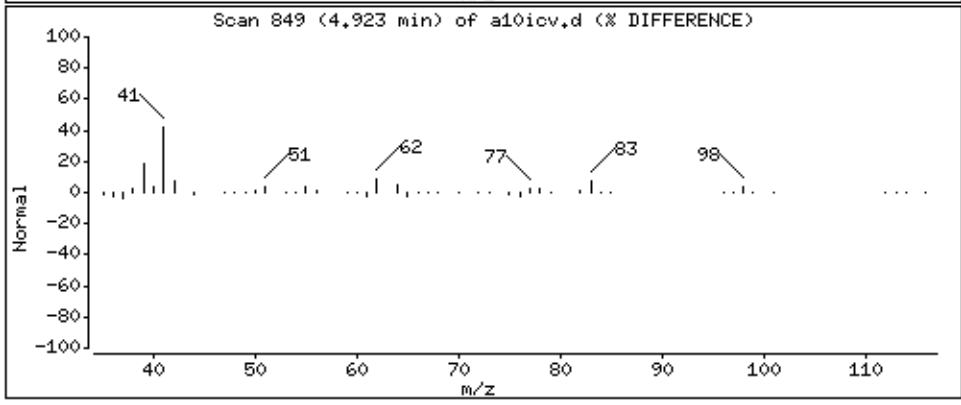
Concentration: 49.0 ppb

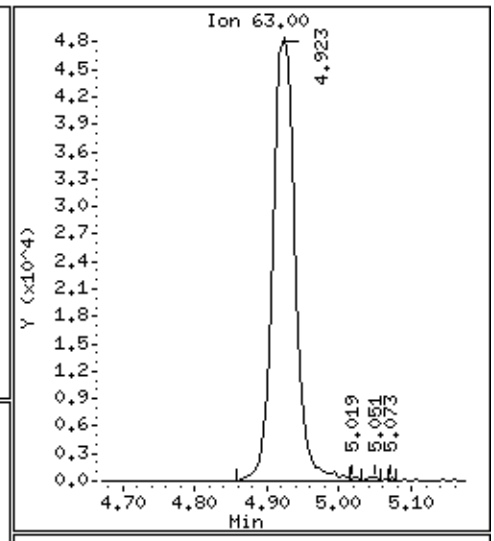
Review Code:

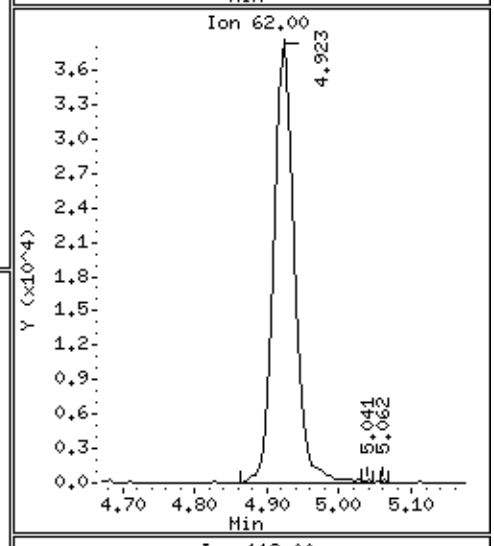


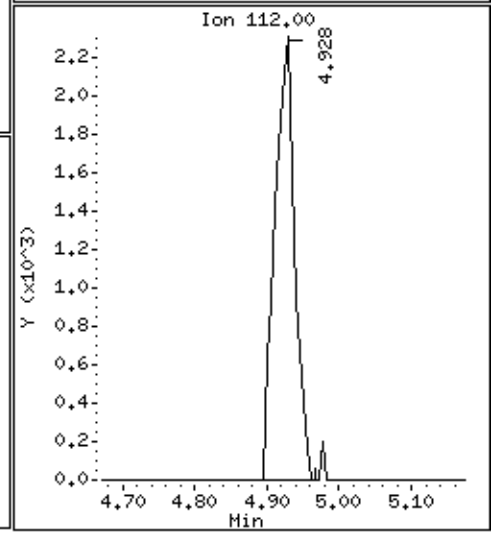












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

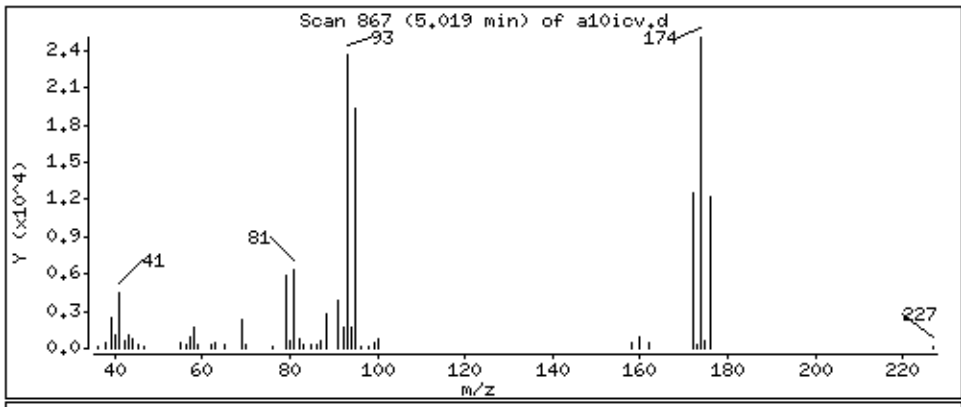
Column phase: DB-624

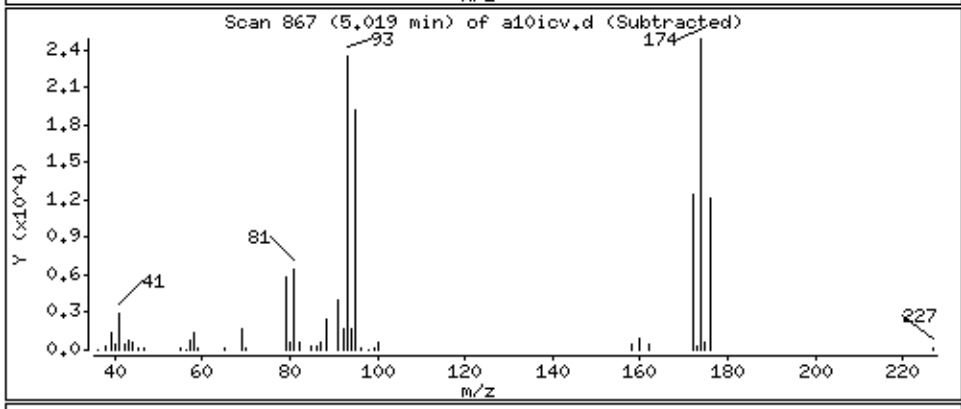
Column diameter: 0.18

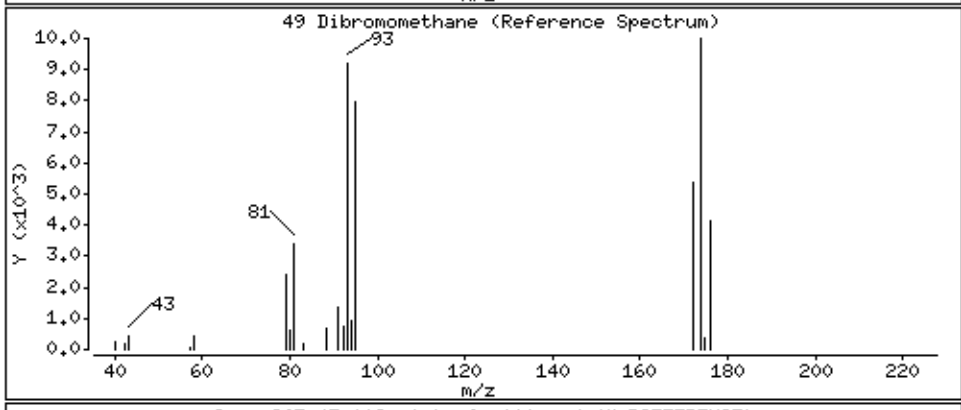
49 Dibromomethane

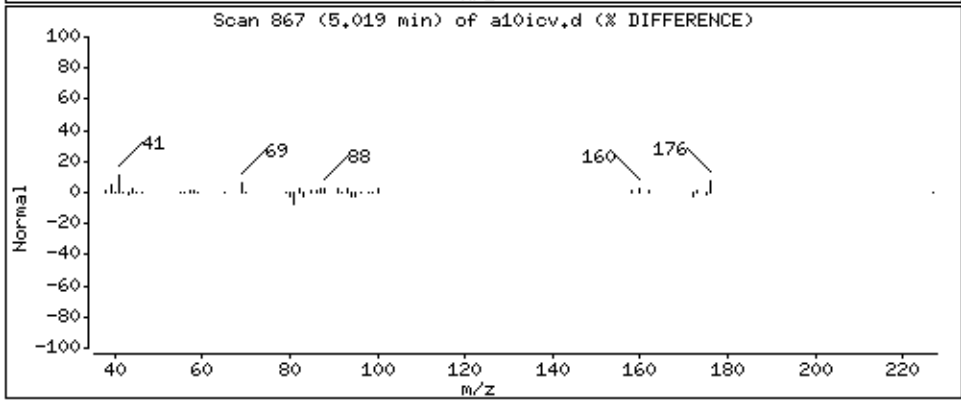
Concentration: 47.2 ppb

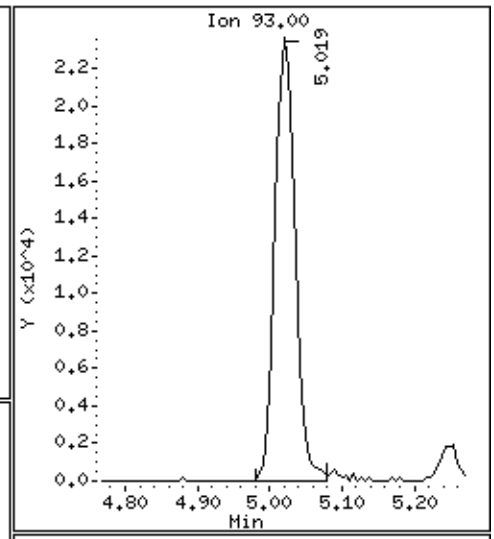
Review Code:

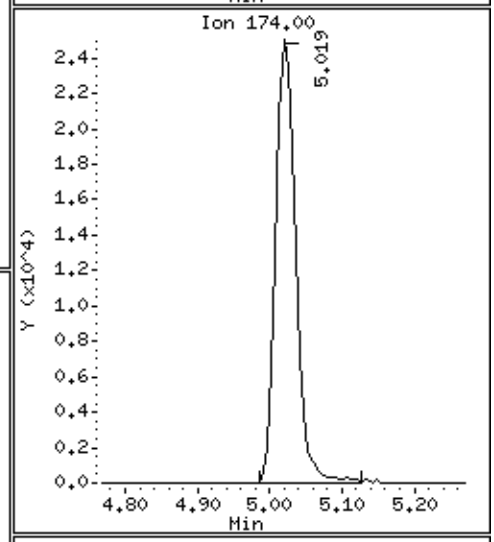


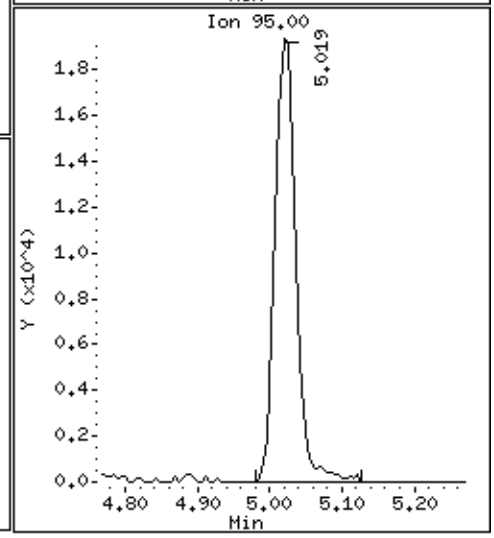












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

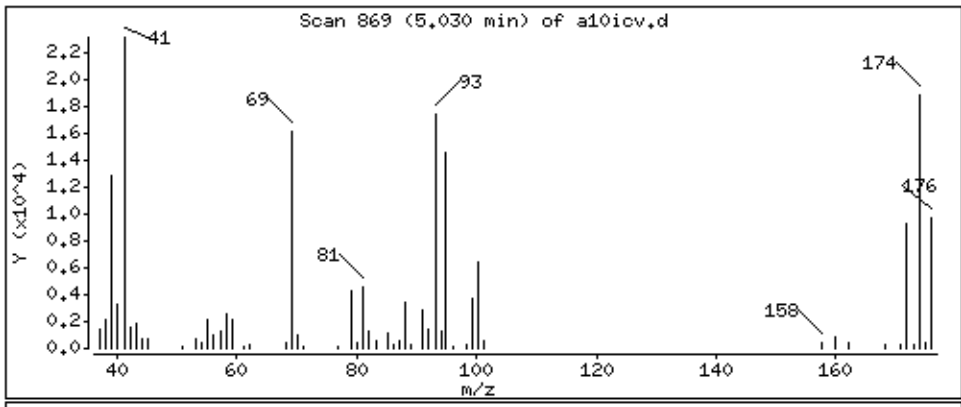
Column phase: DB-624

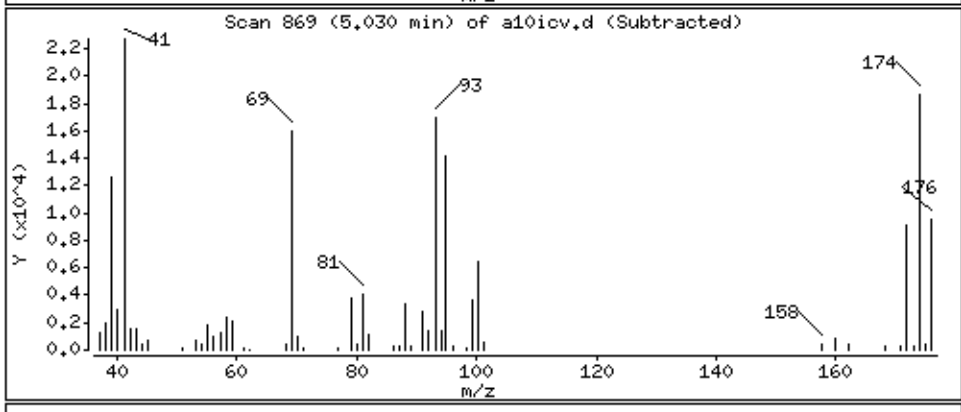
Column diameter: 0.18

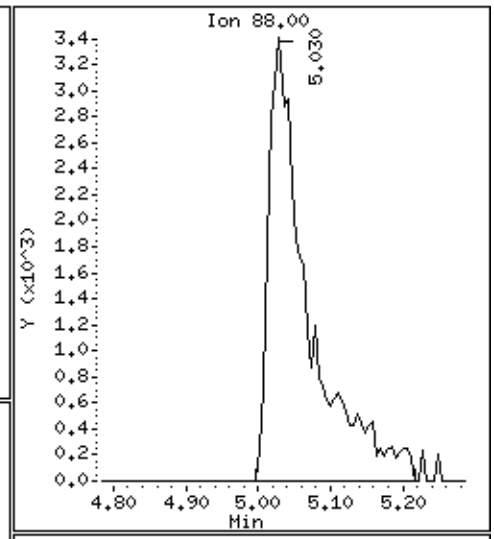
50 1,4-Dioxane

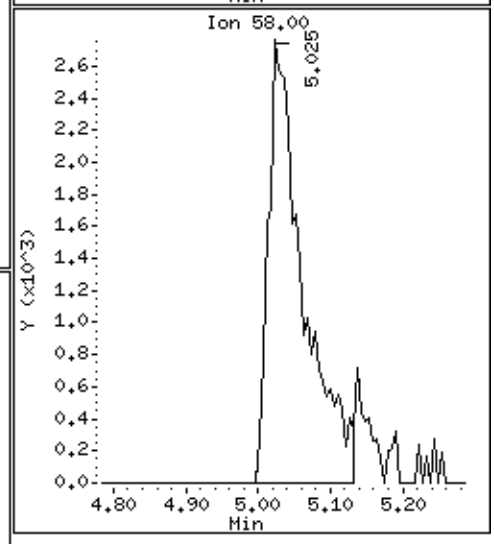
Concentration: 1020 ppb

Review Code:









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Page 53

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

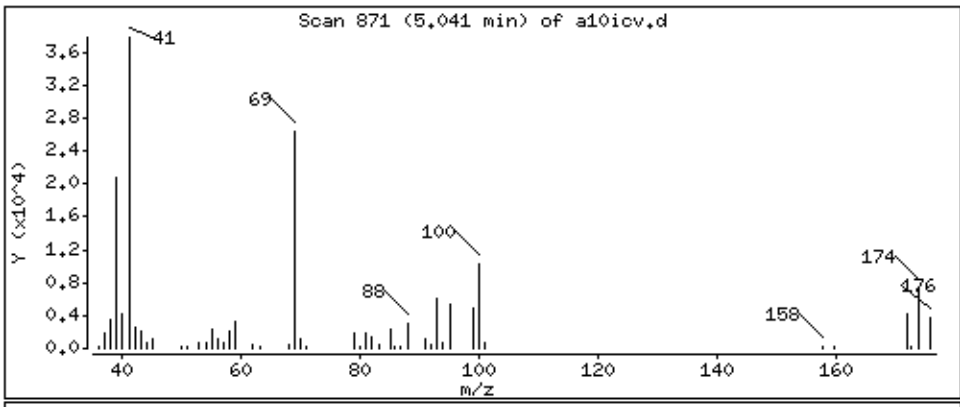
Column phase: DB-624

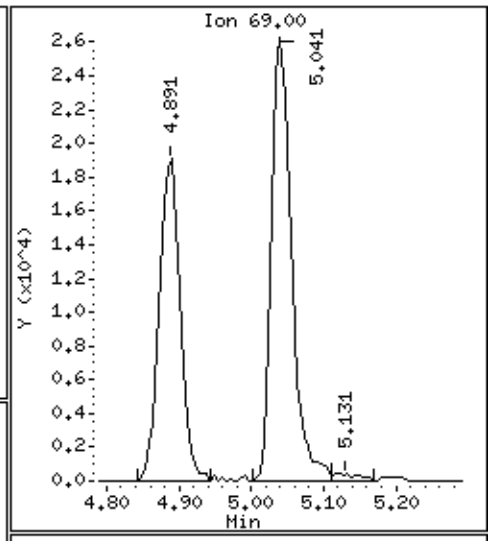
Column diameter: 0.18

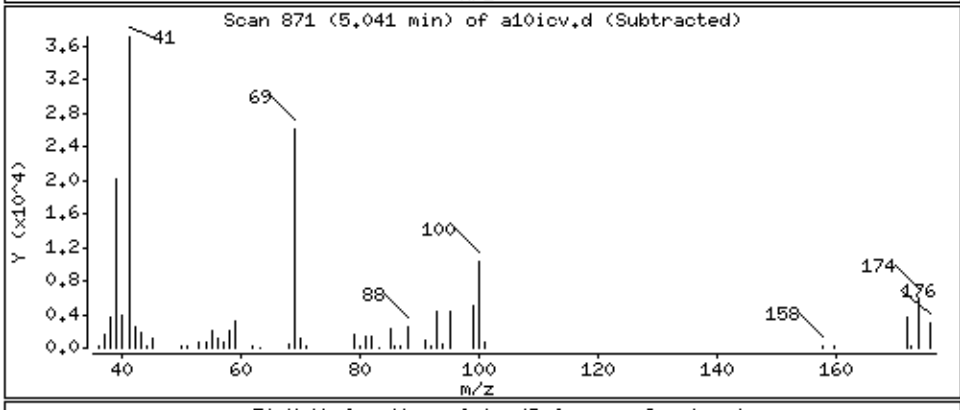
51 Methyl methacrylate

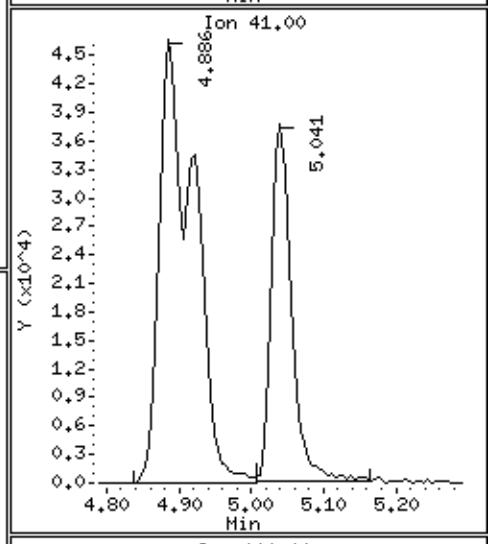
Concentration: 53.5 ppb

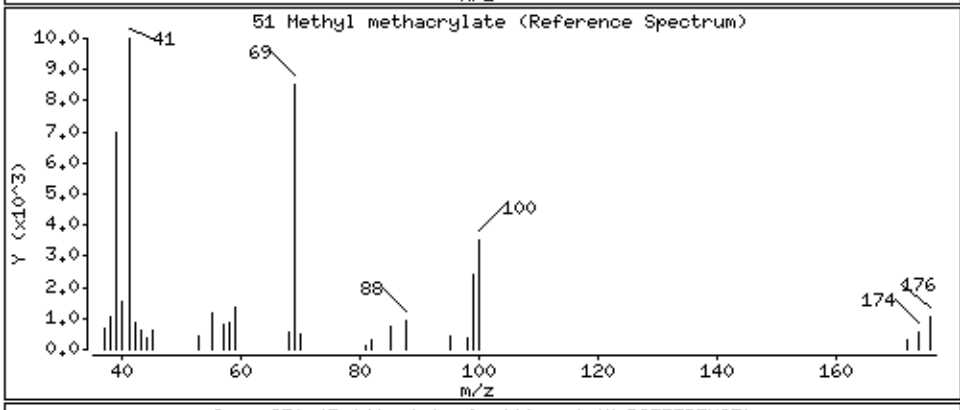
Review Code:

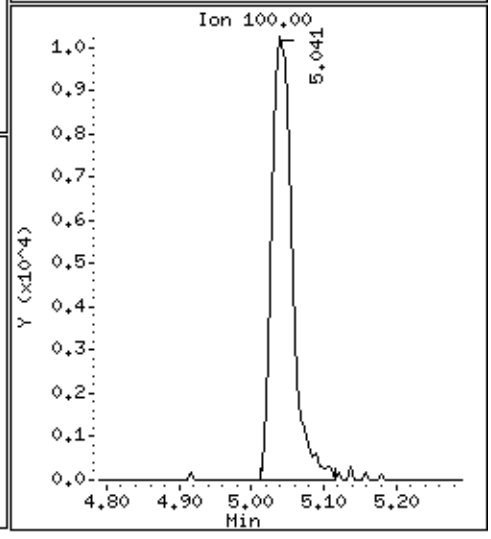


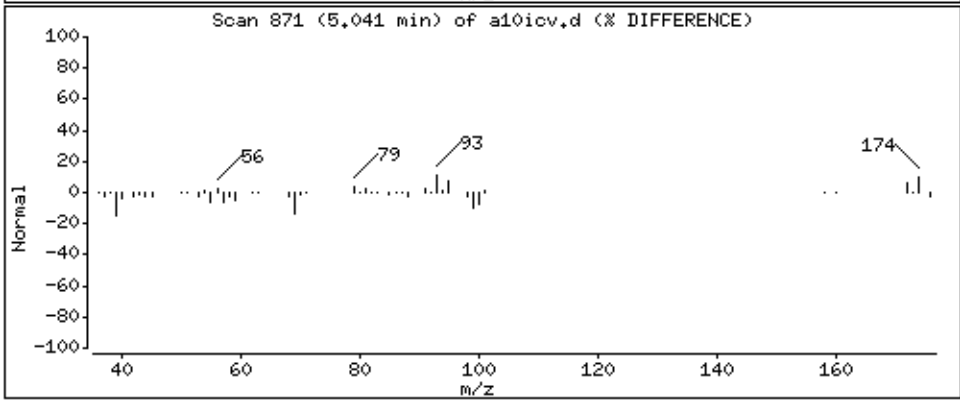












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

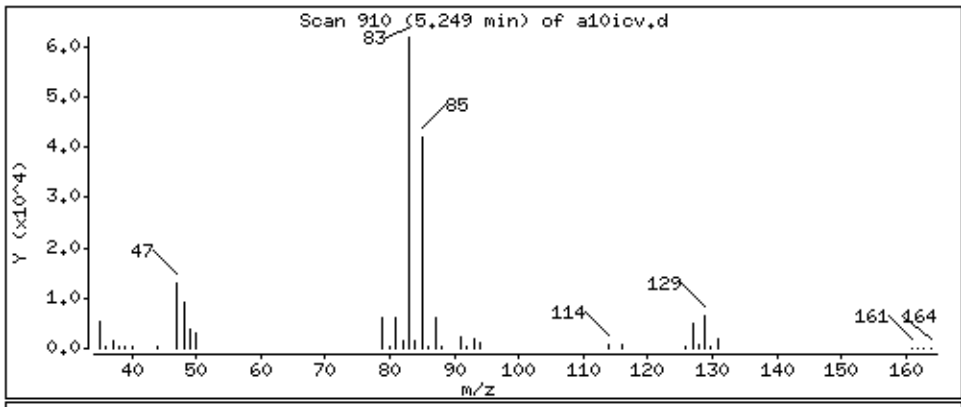
Column phase: DB-624

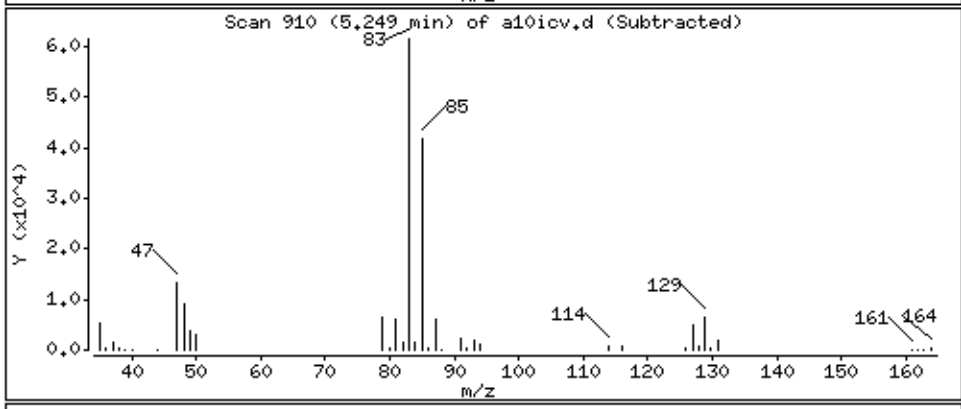
Column diameter: 0.18

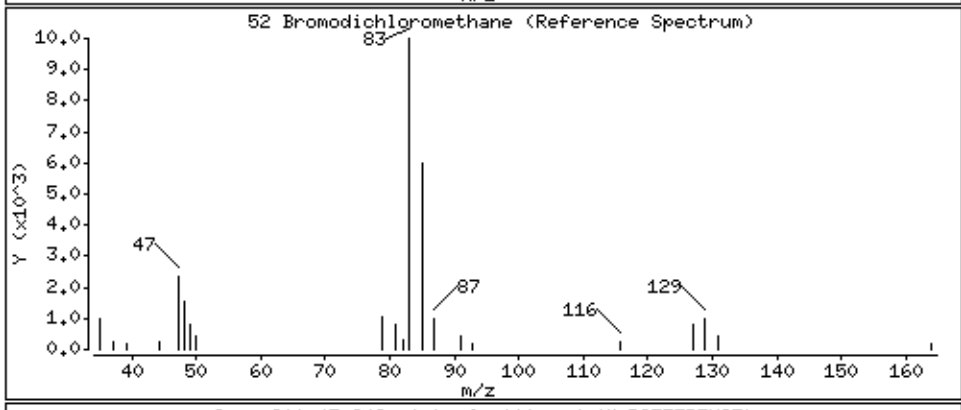
52 Bromodichloromethane

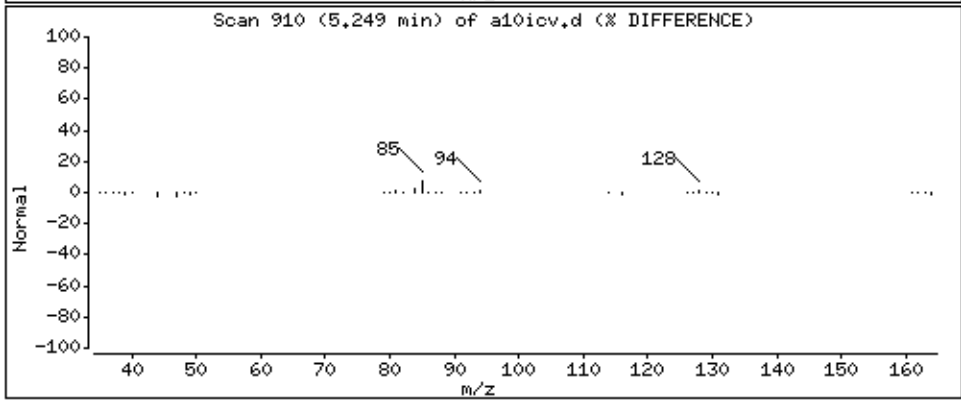
Concentration: 49.8 ppb

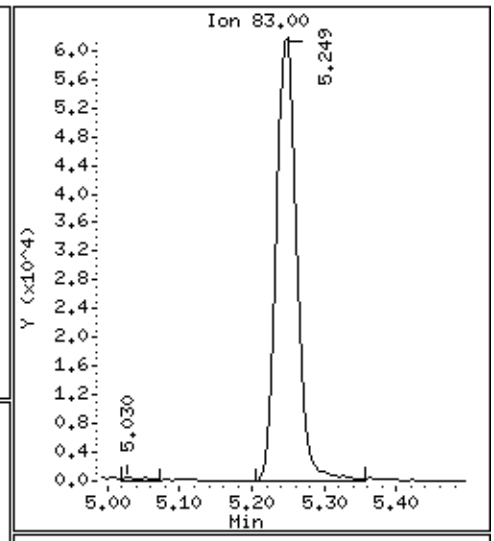
Review Code:

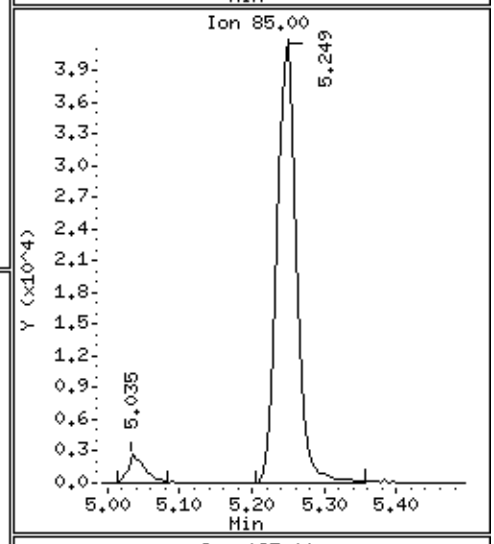


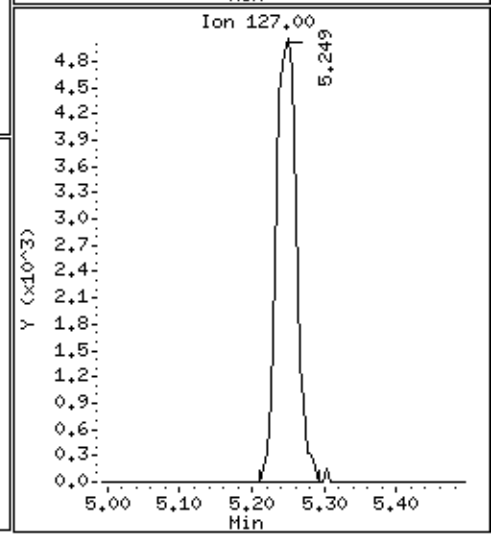












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

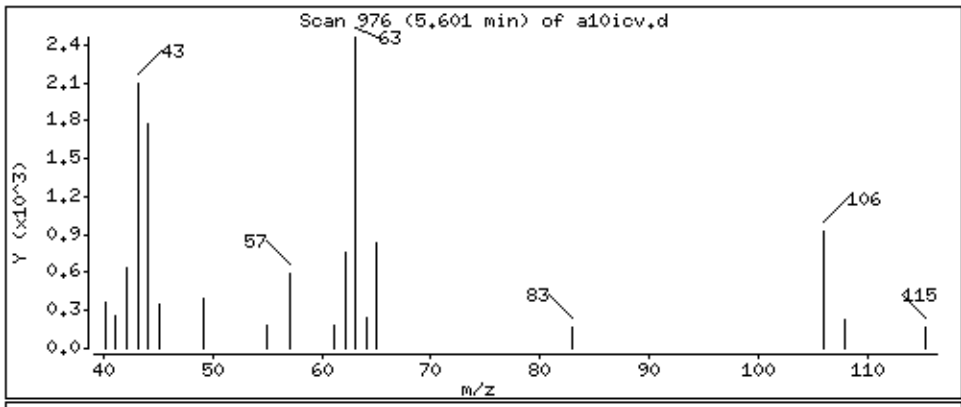
Column phase: DB-624

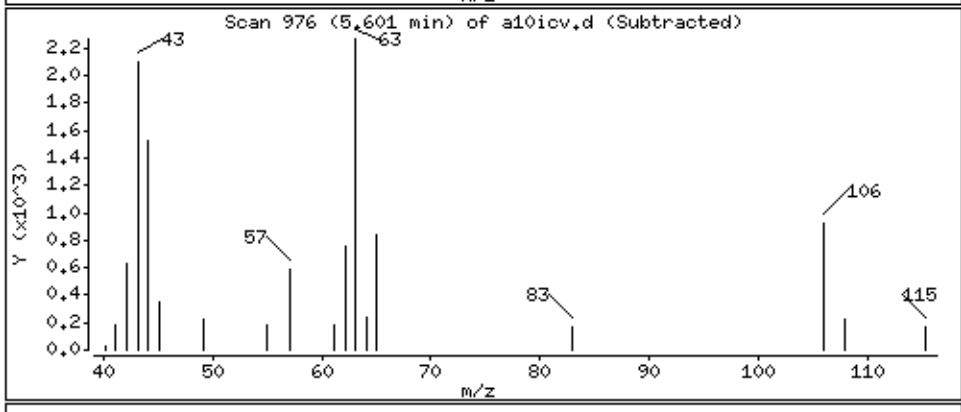
Column diameter: 0.18

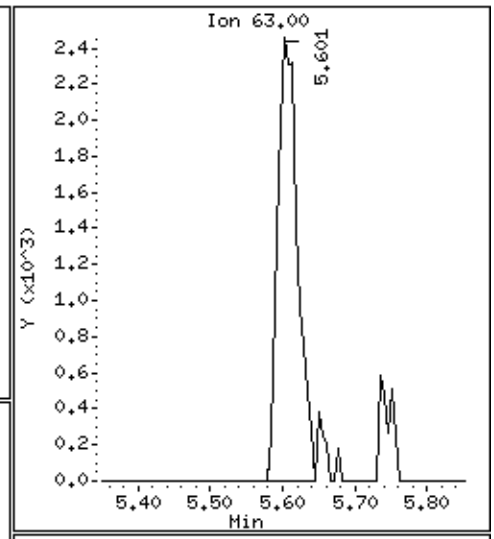
53 2-Chloroethyl vinyl ether

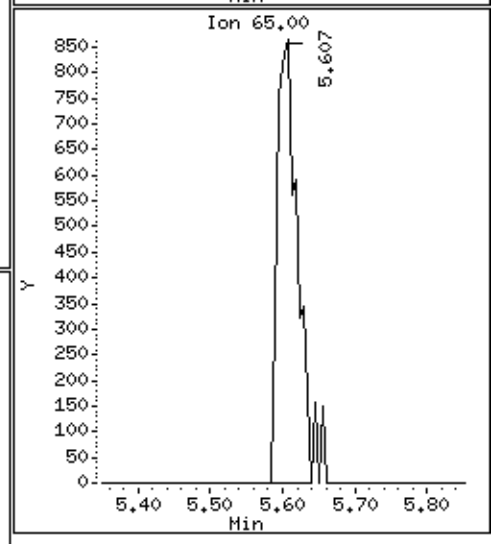
Concentration: 47.0 ppb

Review Code:









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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

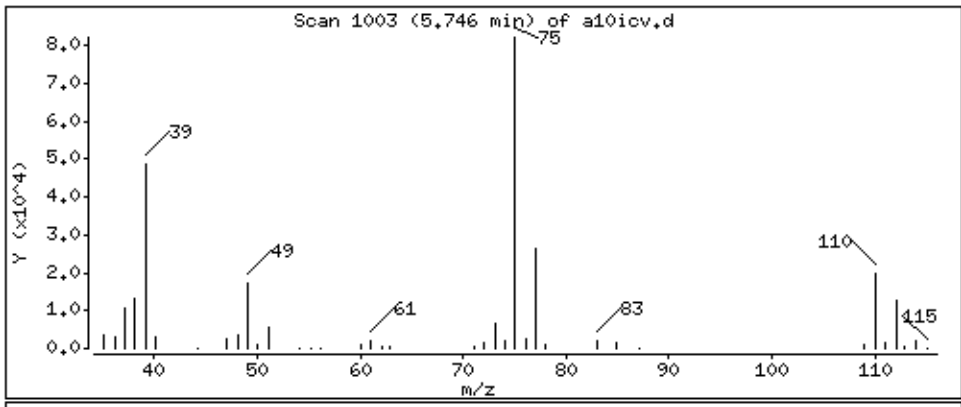
Column phase: DB-624

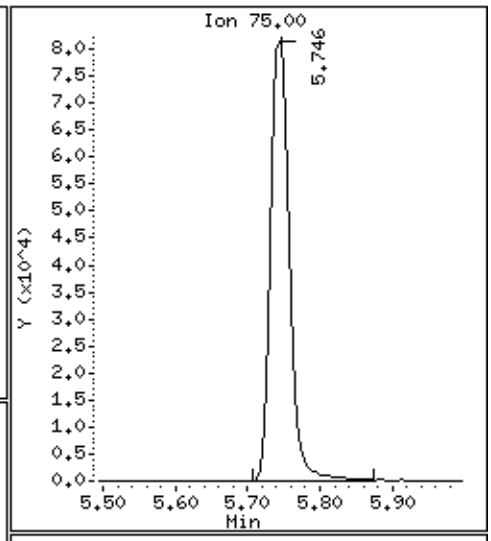
Column diameter: 0.18

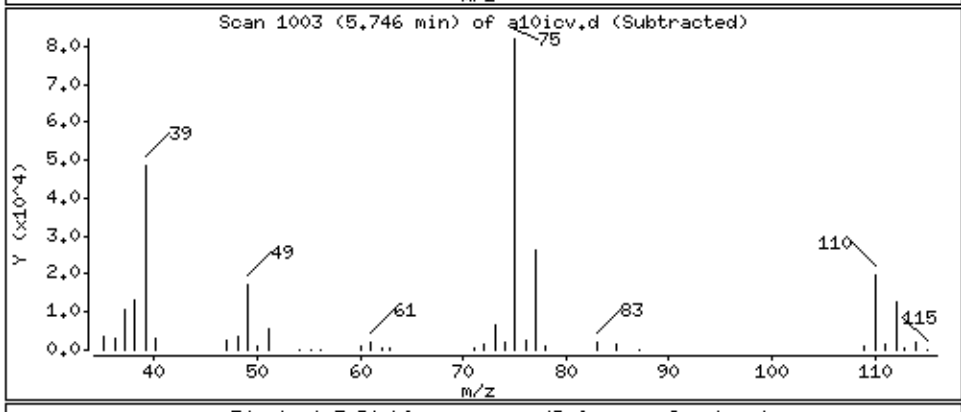
54 cis-1,3-Dichloropropene

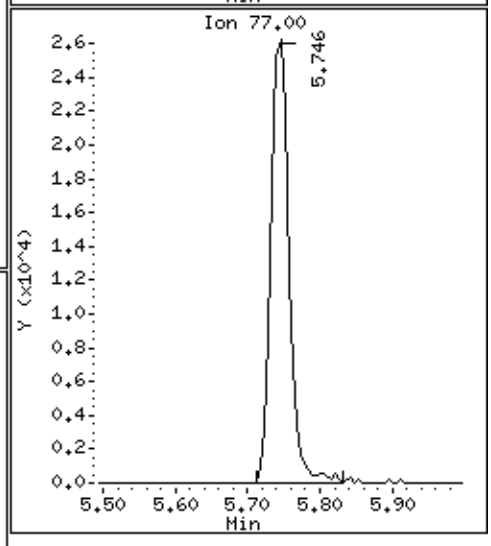
Concentration: 52.4 ppb

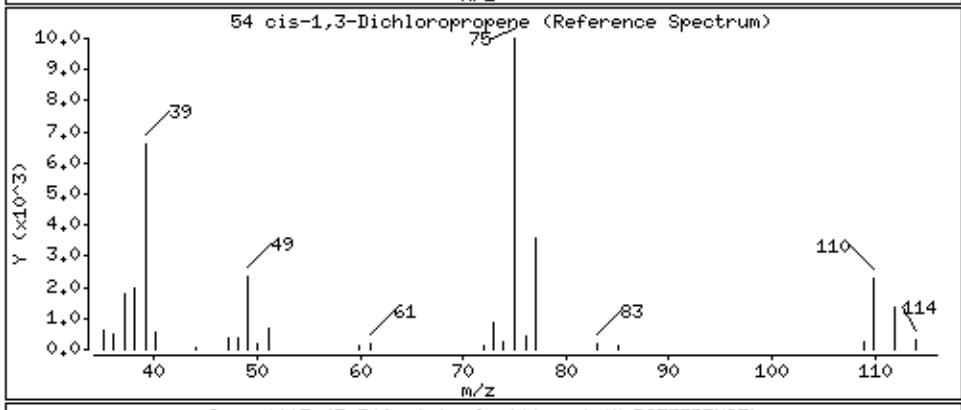
Review Code:

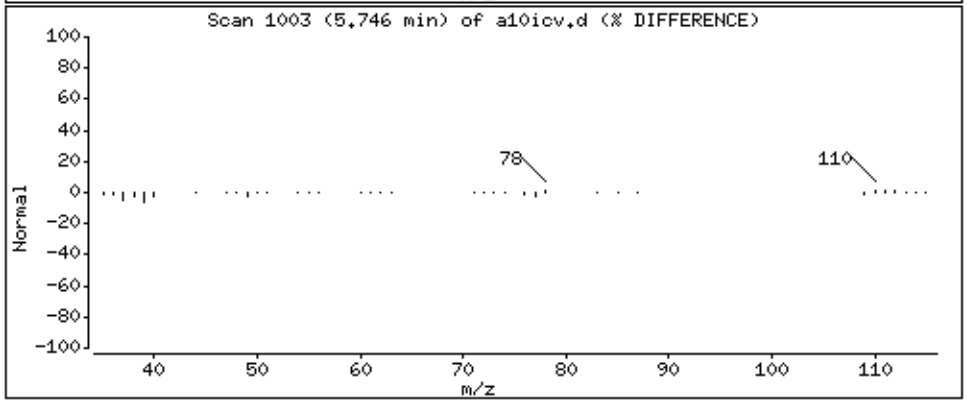












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

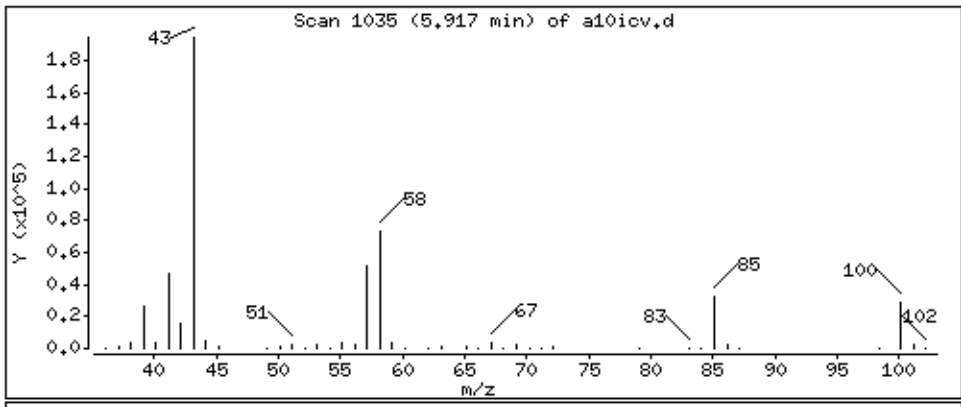
Column phase: DB-624

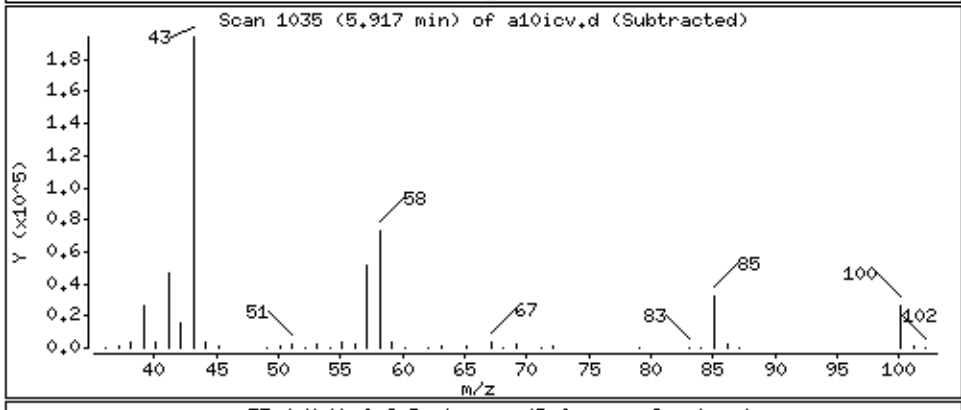
Column diameter: 0.18

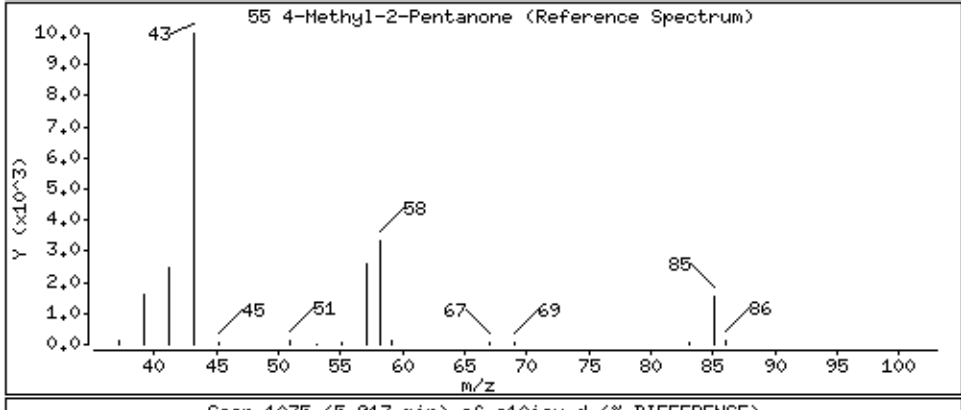
55 4-Methyl-2-Pentanone

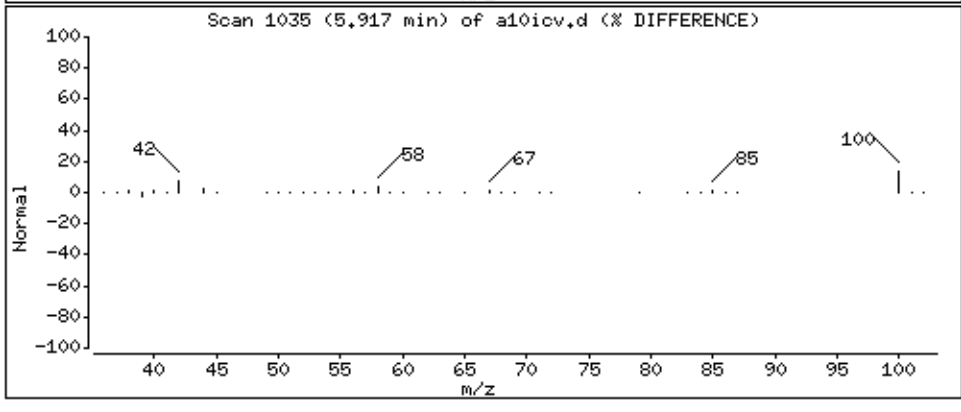
Concentration: 266 ppb

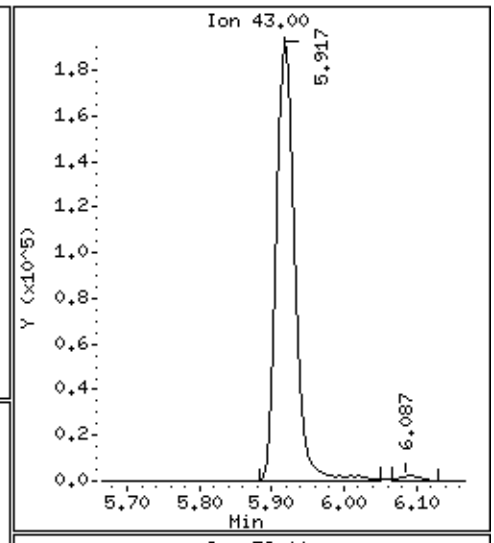
Review Code:

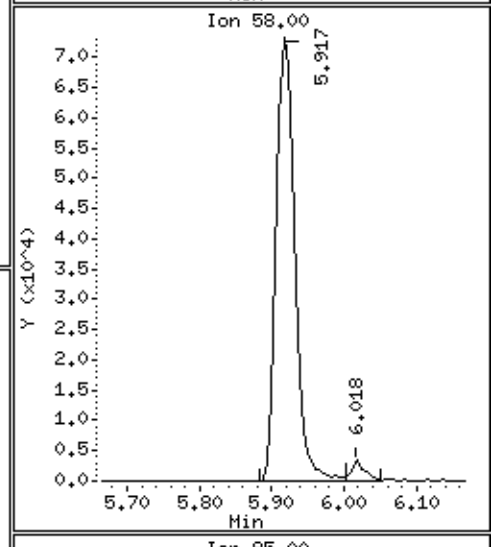


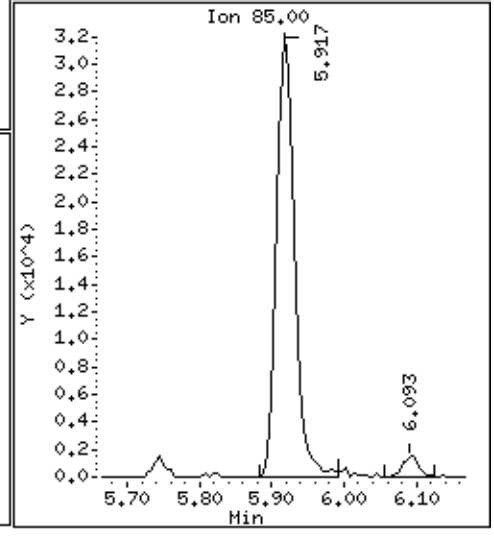












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

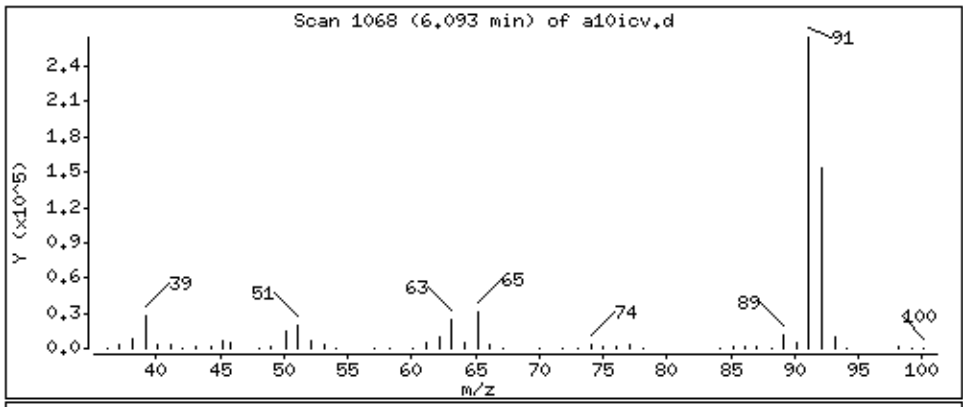
Column phase: DB-624

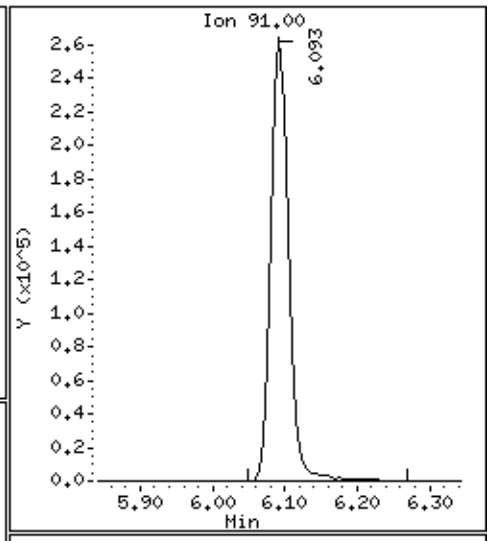
Column diameter: 0.18

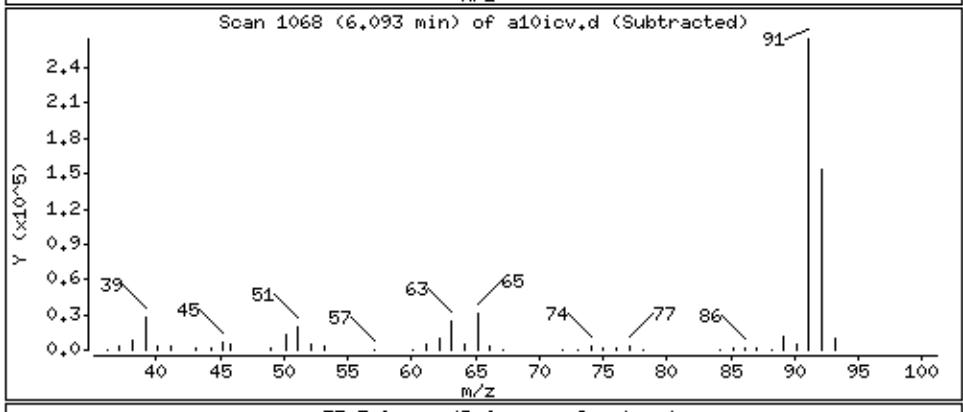
57 Toluene

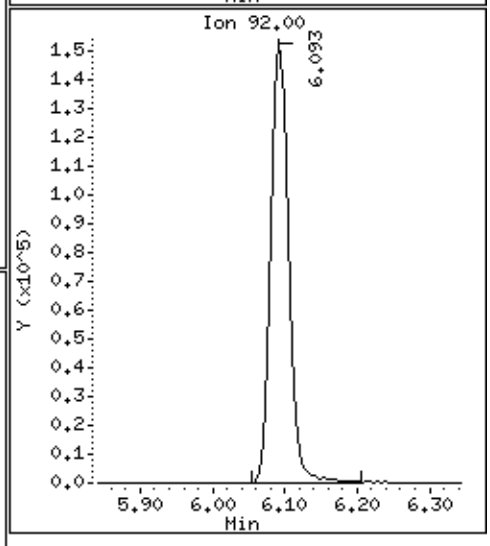
Concentration: 48.9 ppb

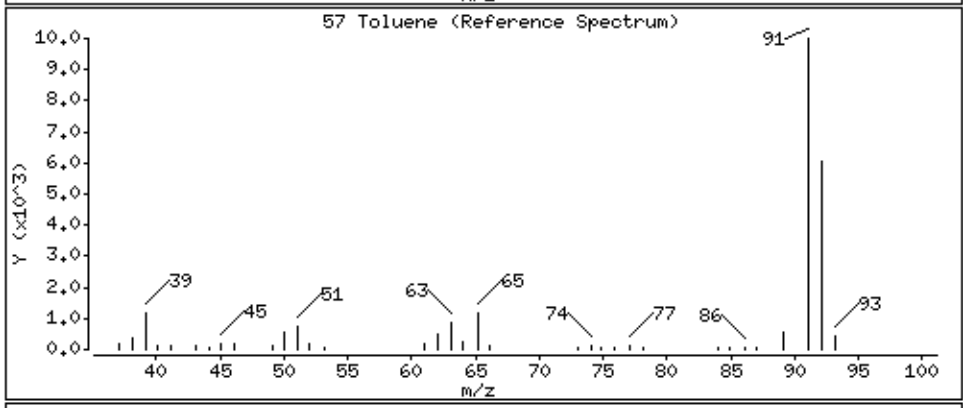
Review Code:

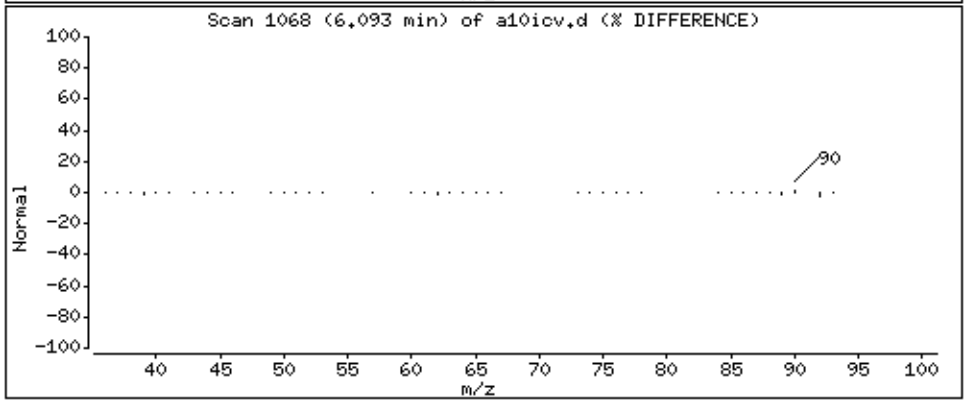












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

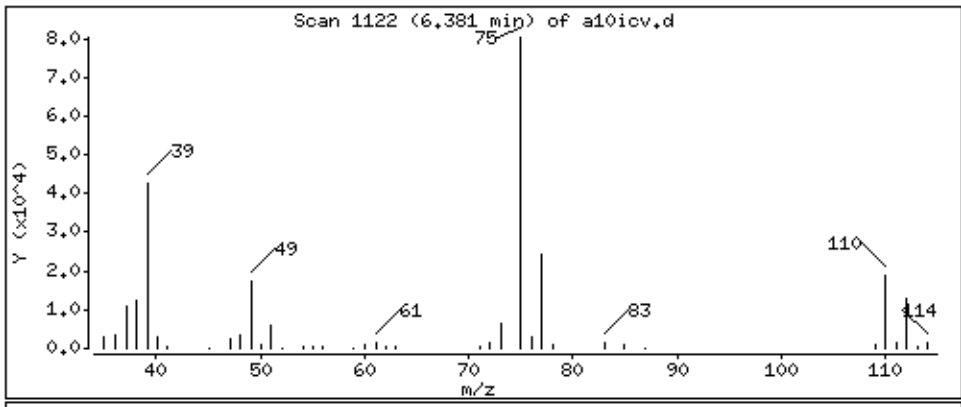
Column phase: DB-624

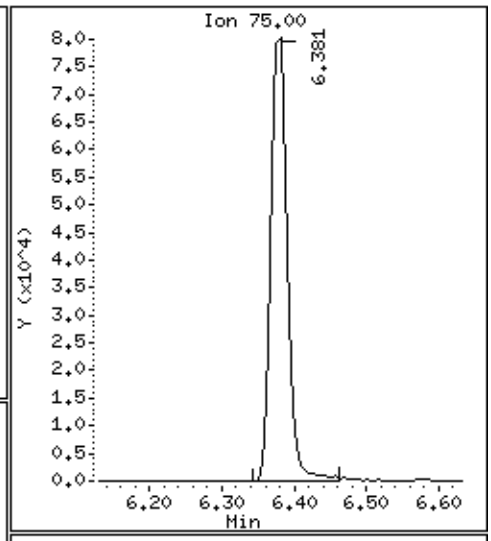
Column diameter: 0.18

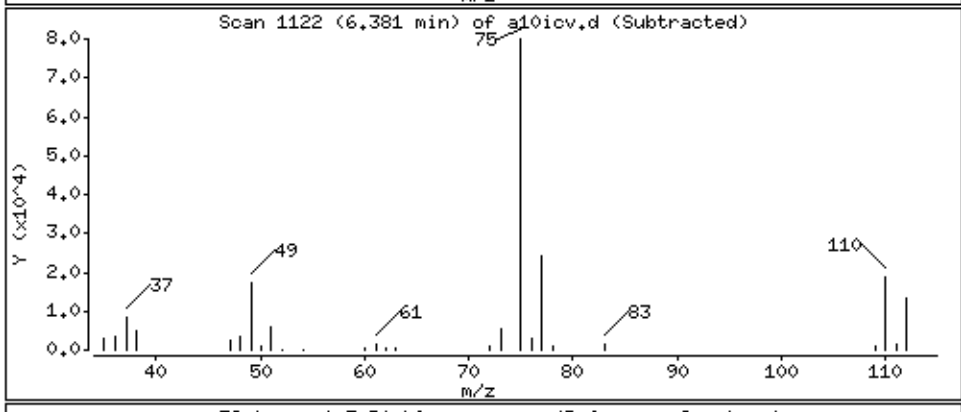
58 trans-1,3-Dichloropropene

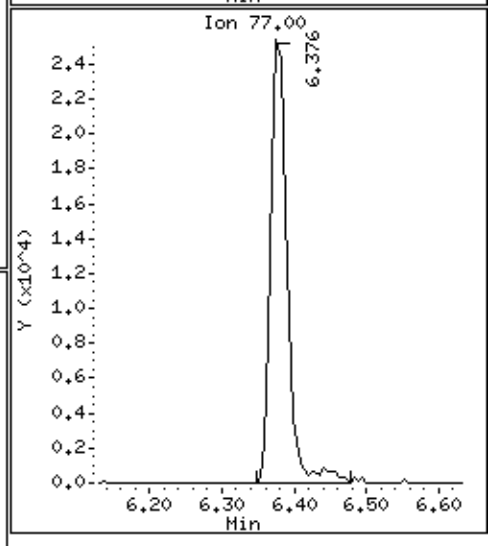
Concentration: 55.0 ppb

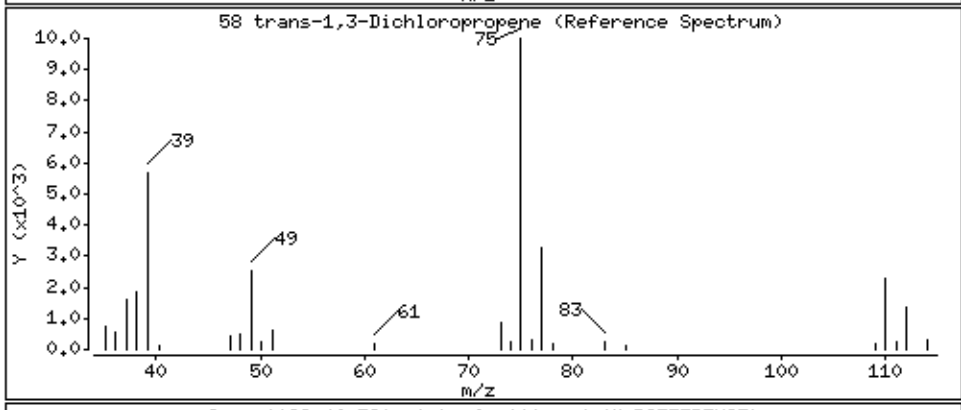
Review Code:

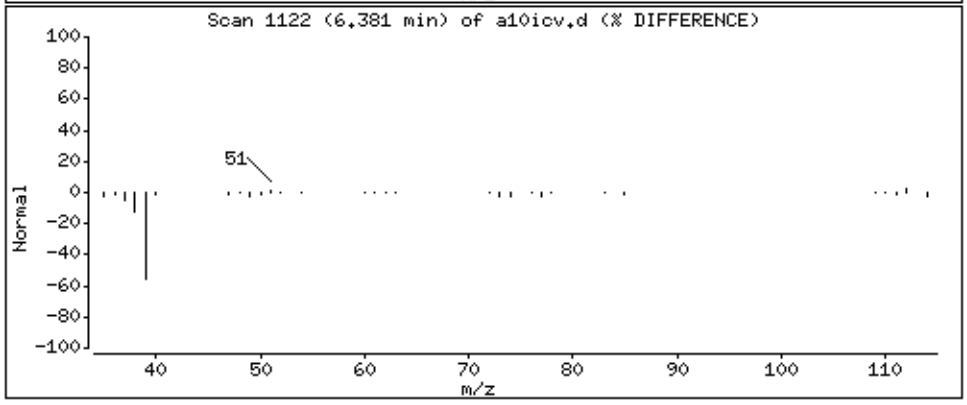












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

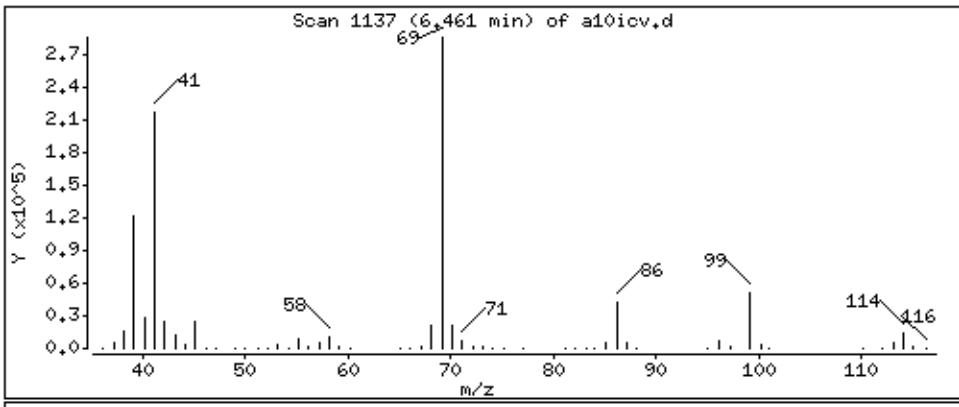
Column phase: DB-624

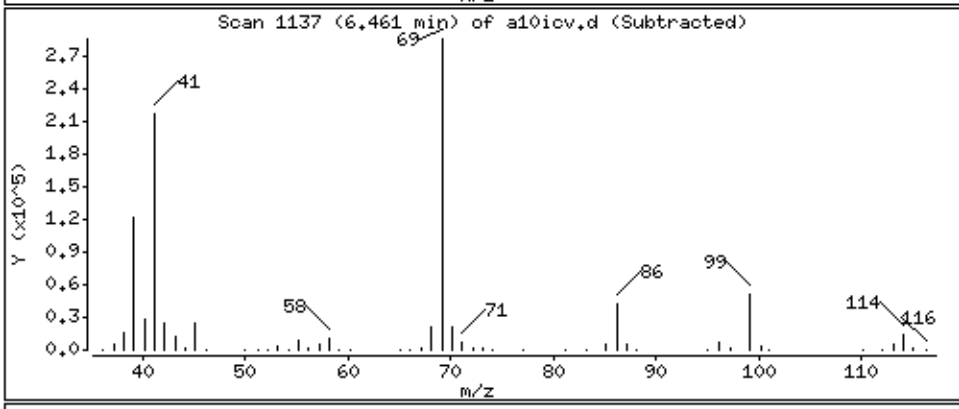
Column diameter: 0.18

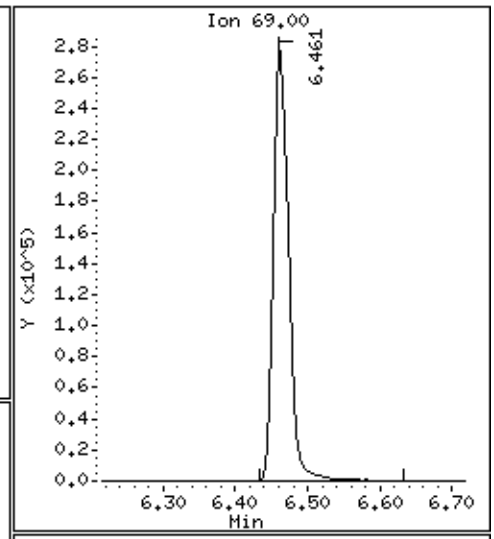
59 Ethyl Methacrylate

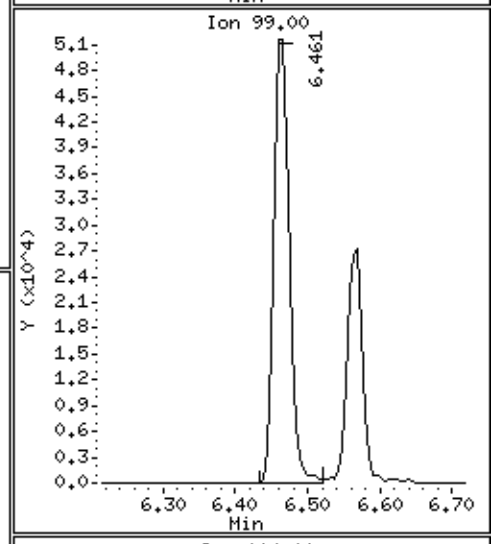
Concentration: 241 ppb

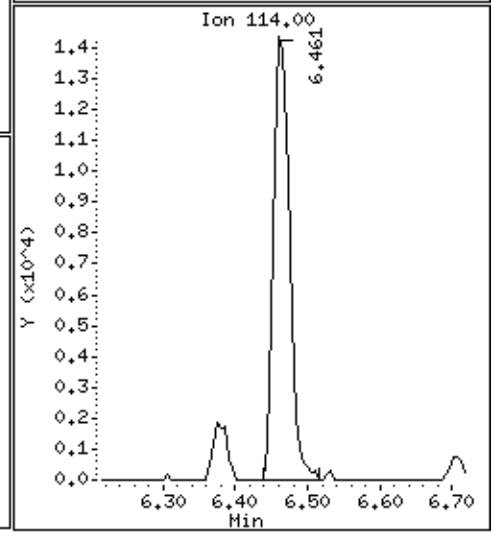
Review Code:











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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

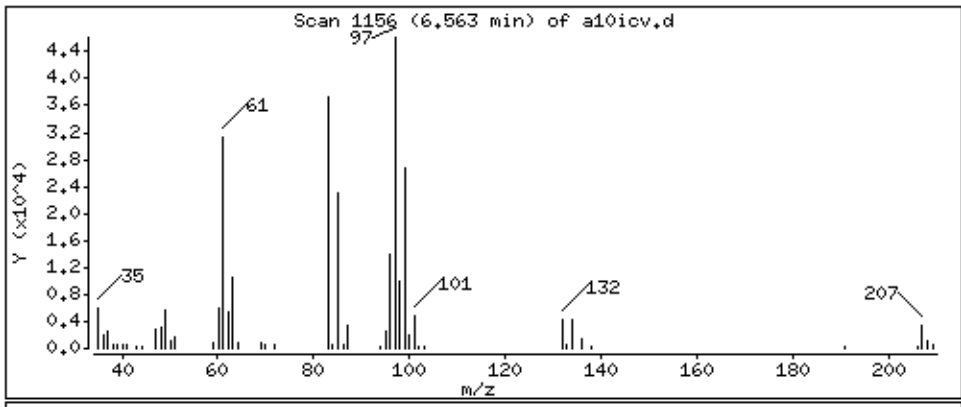
Column phase: DB-624

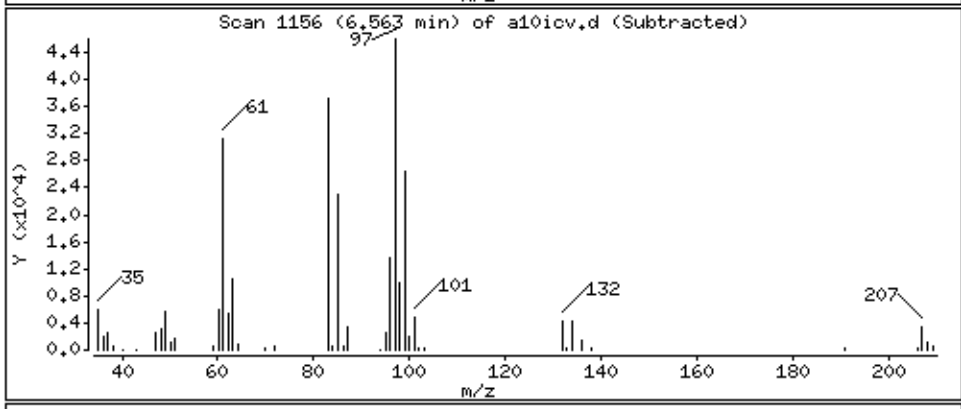
Column diameter: 0.18

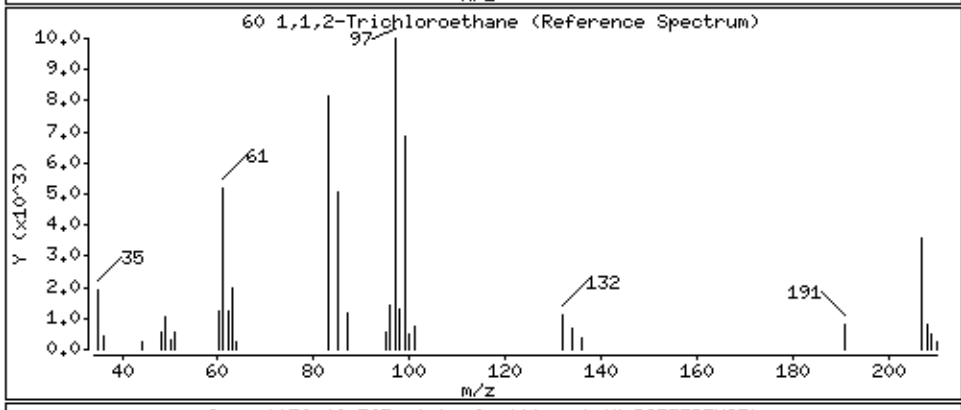
60 1,1,2-Trichloroethane

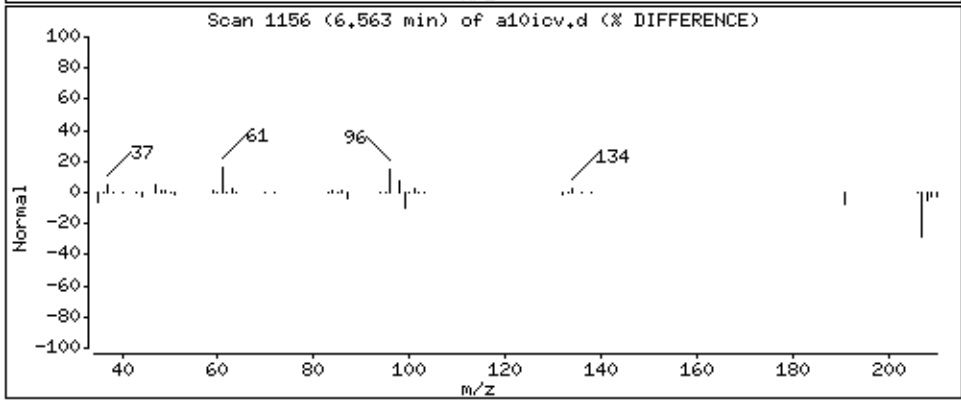
Concentration: 53.6 ppb

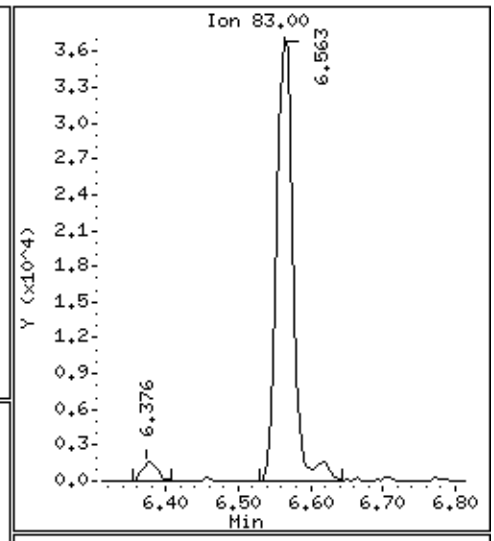
Review Code:

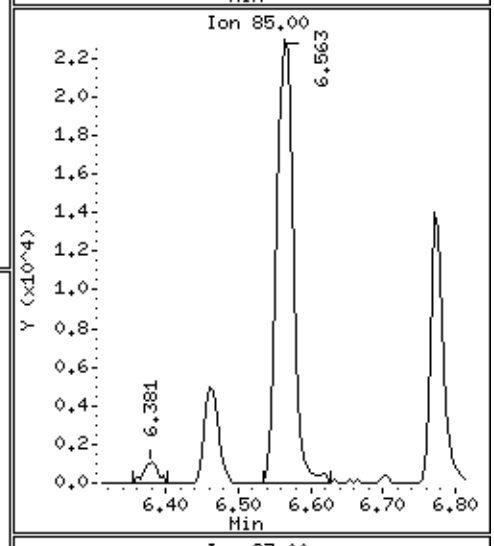


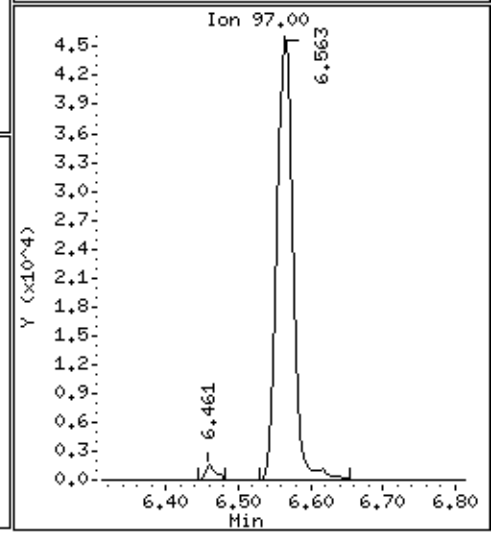












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

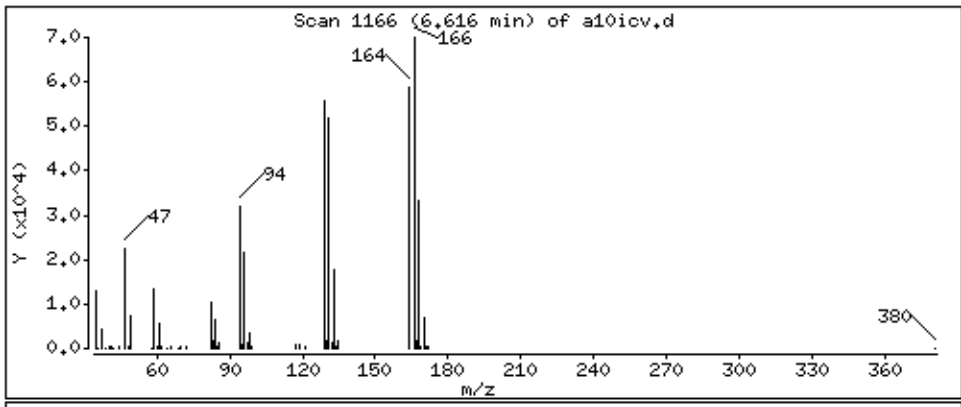
Column phase: DB-624

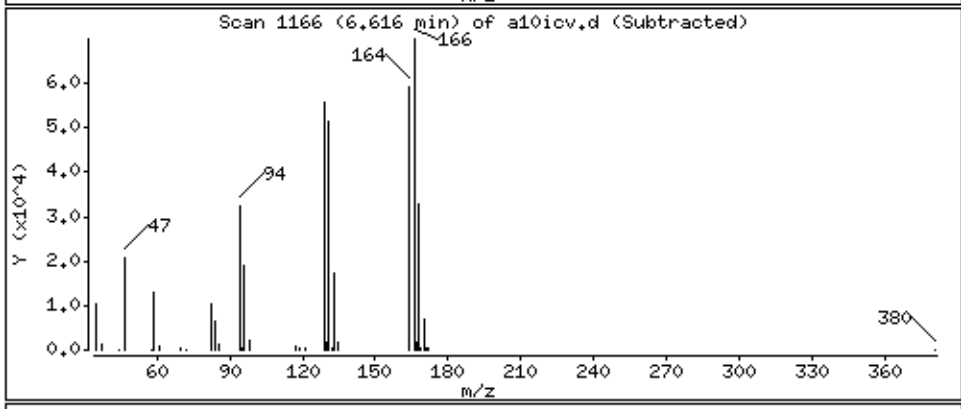
Column diameter: 0.18

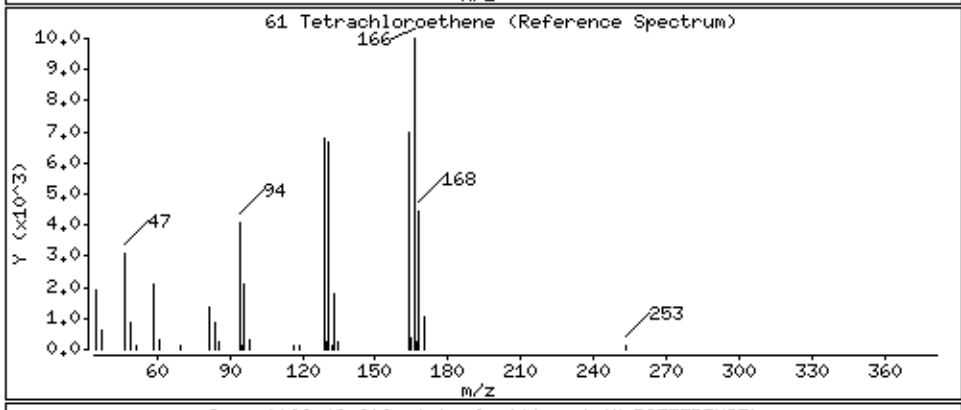
61 Tetrachloroethene

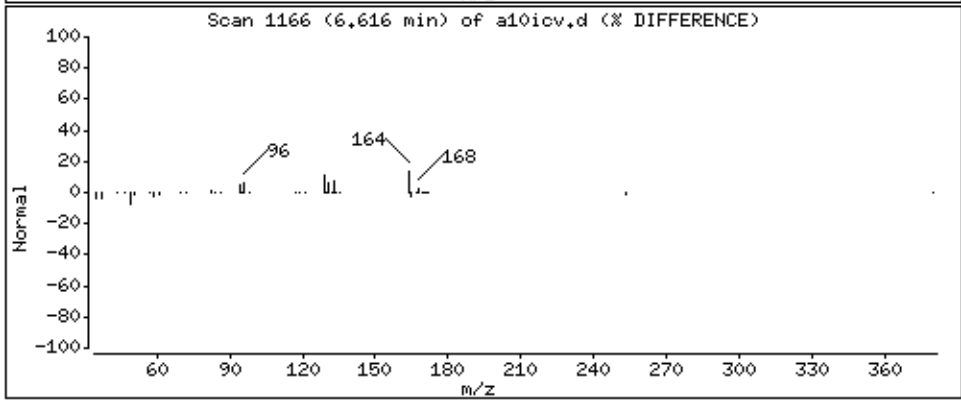
Concentration: 49.4 ppb

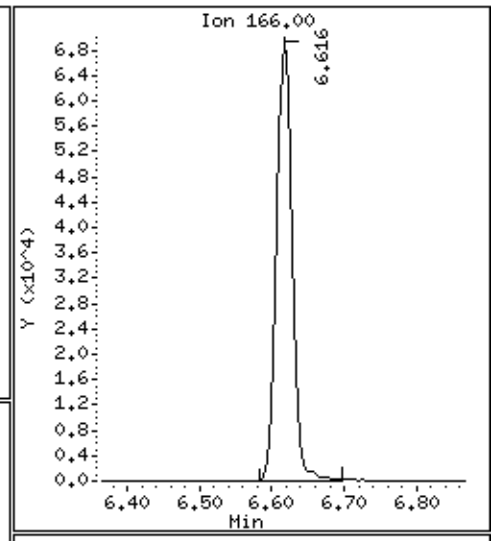
Review Code:

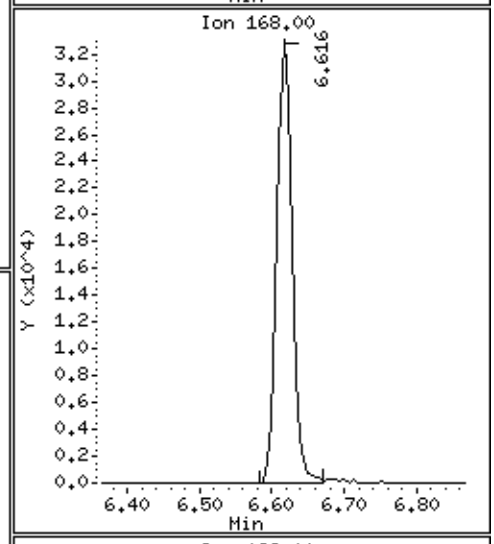


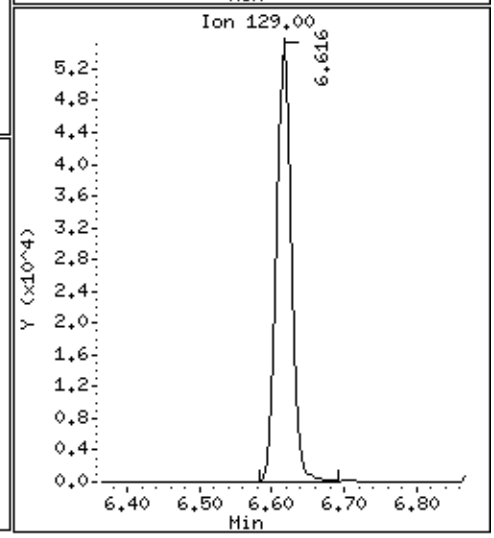












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

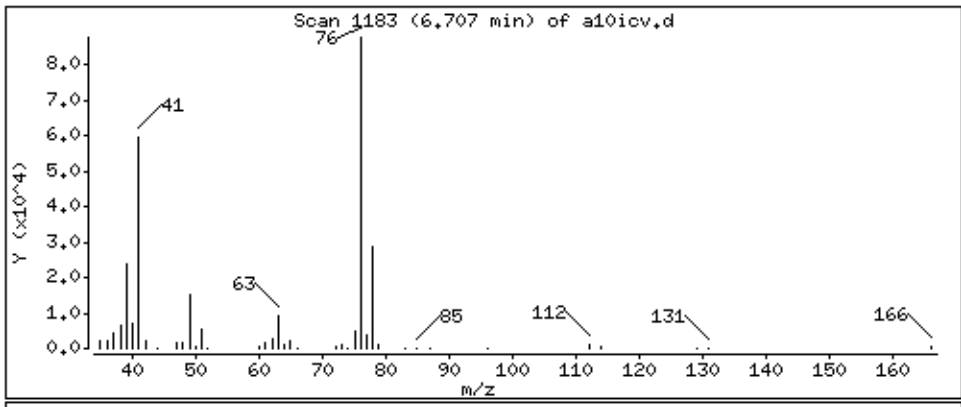
Column phase: DB-624

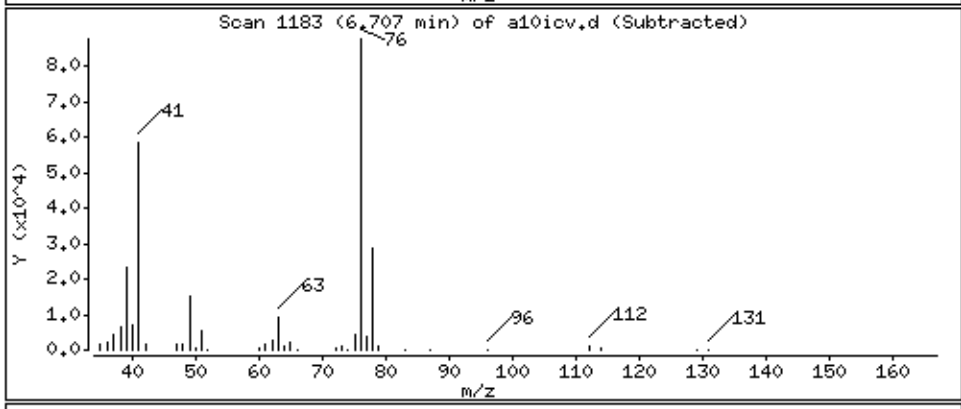
Column diameter: 0.18

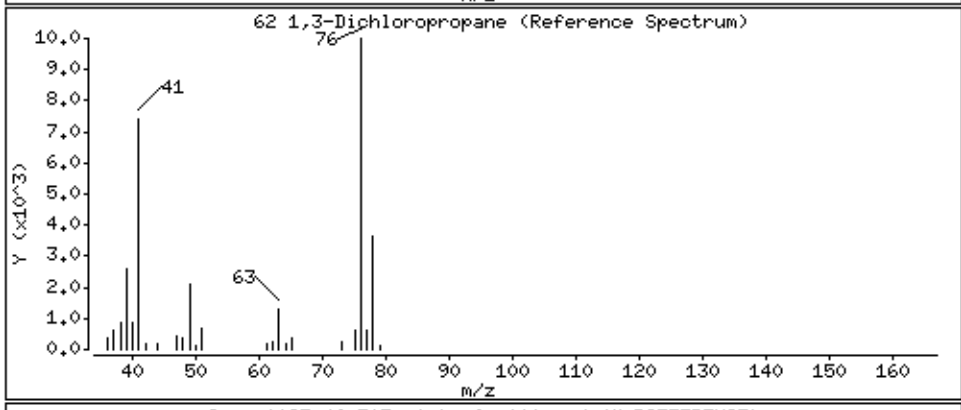
62 1,3-Dichloropropane

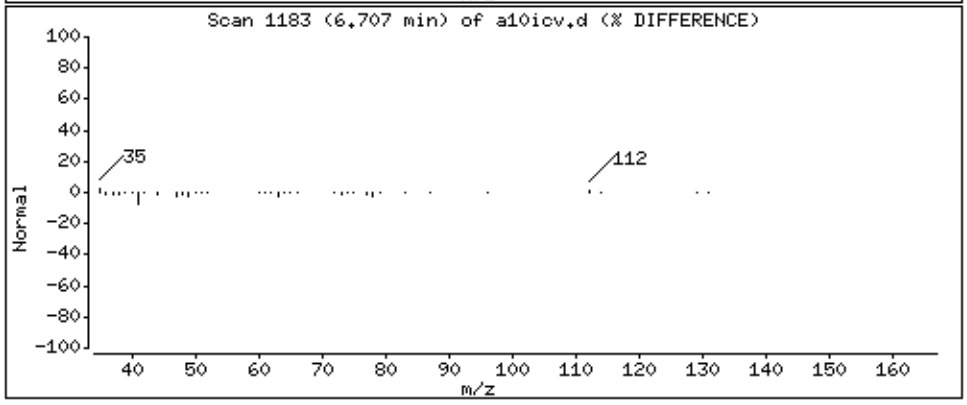
Concentration: 54.0 ppb

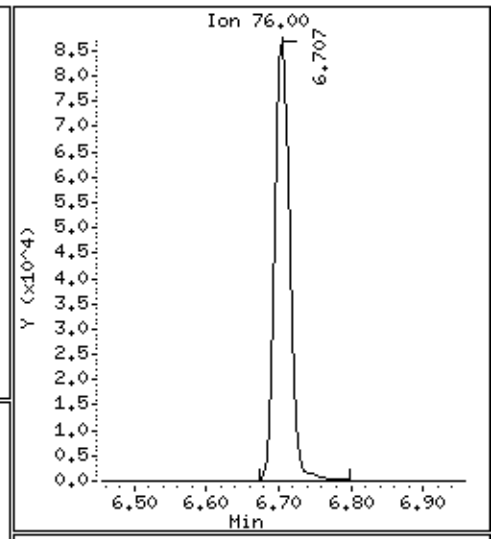
Review Code:

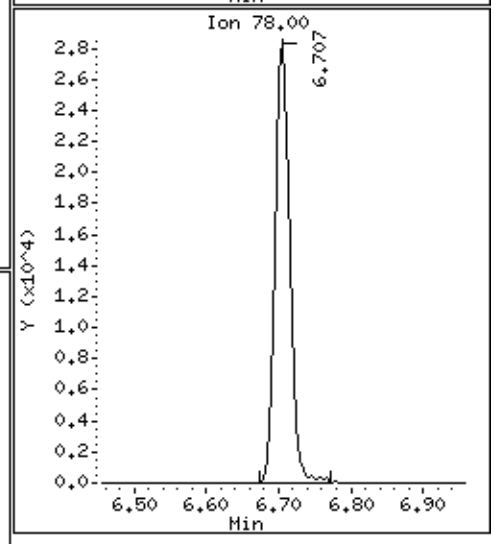












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

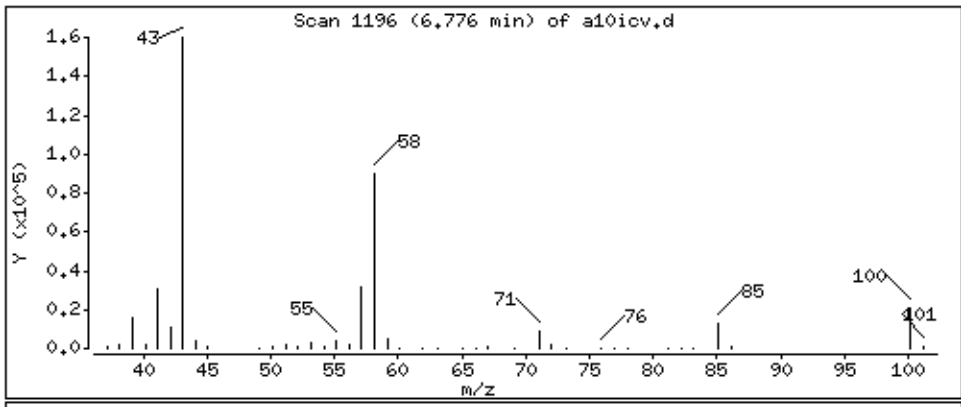
Column phase: DB-624

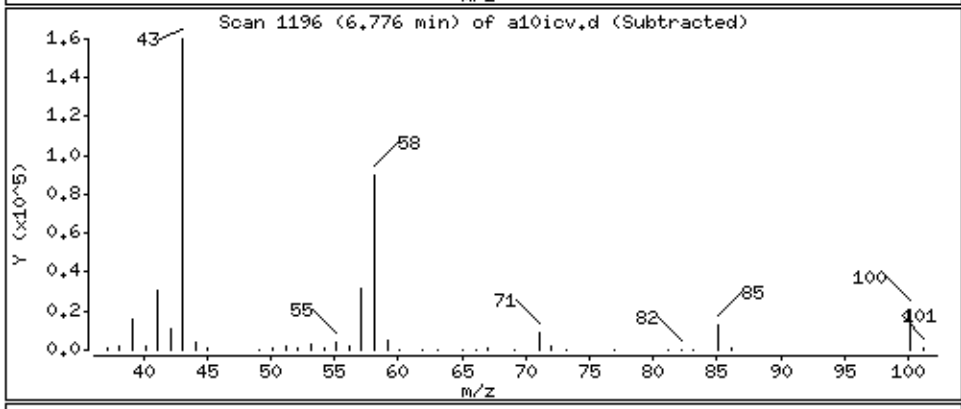
Column diameter: 0.18

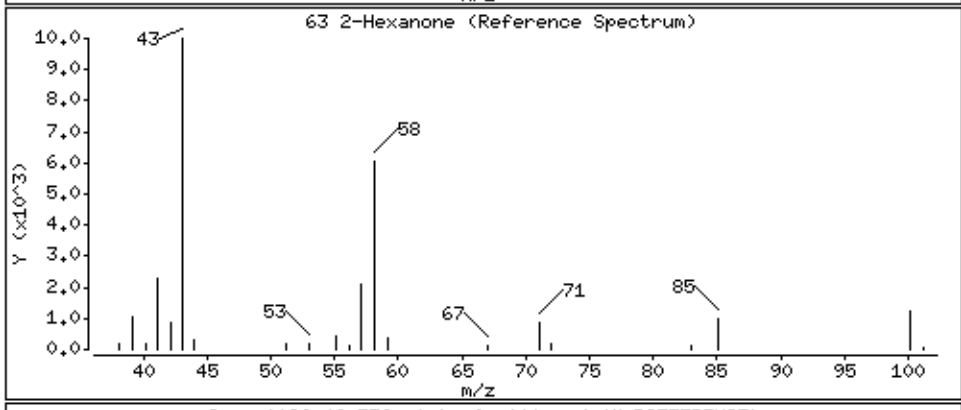
63 2-Hexanone

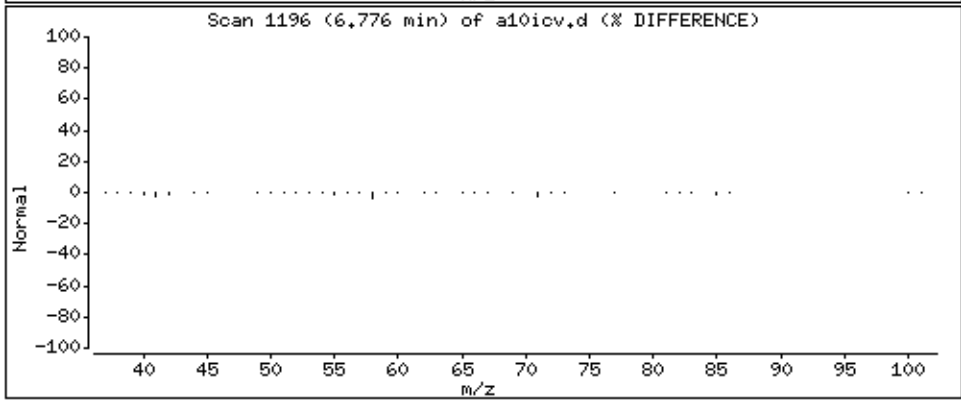
Concentration: 275 ppb

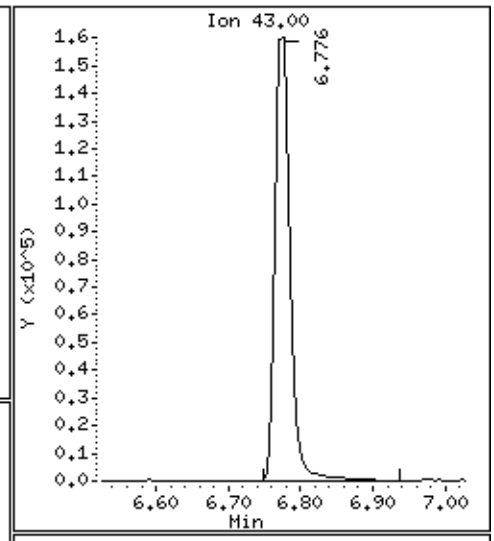
Review Code:

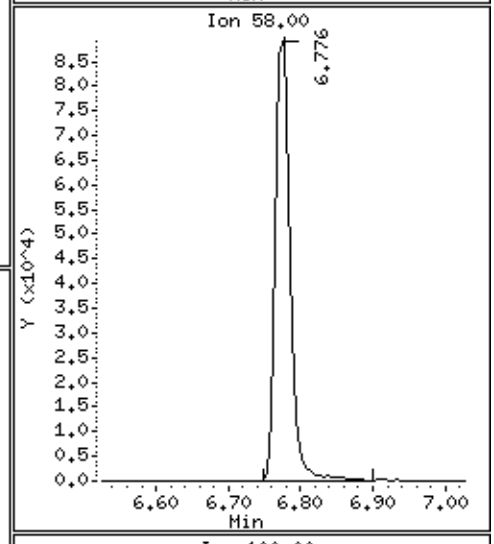


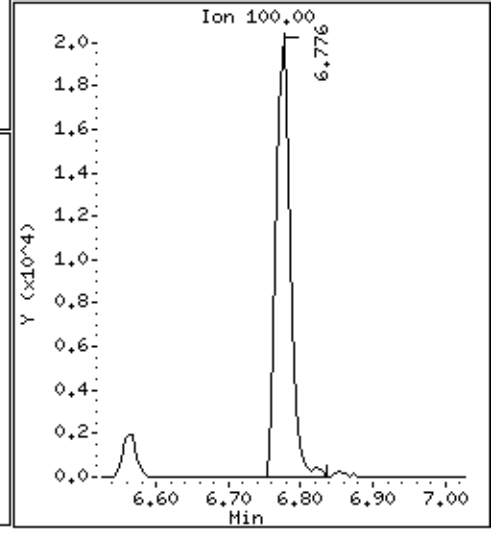












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

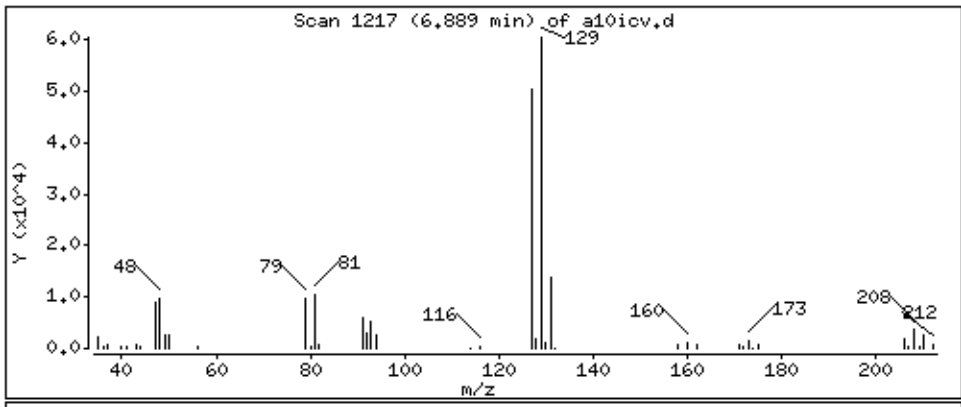
Column phase: DB-624

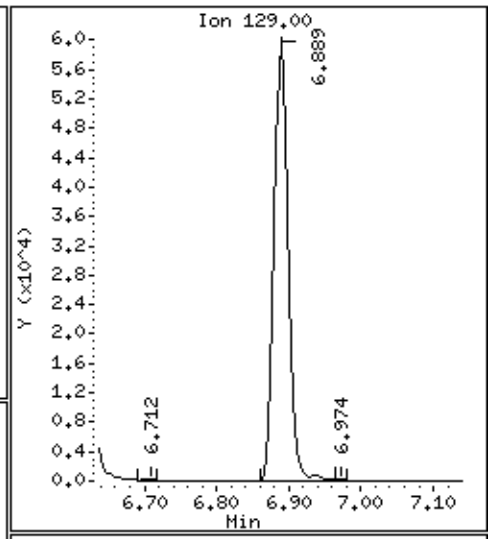
Column diameter: 0.18

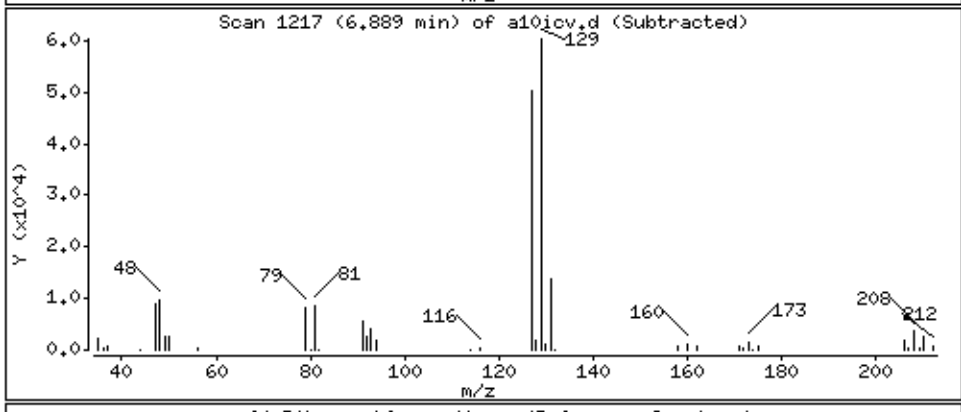
64 Dibromochloromethane

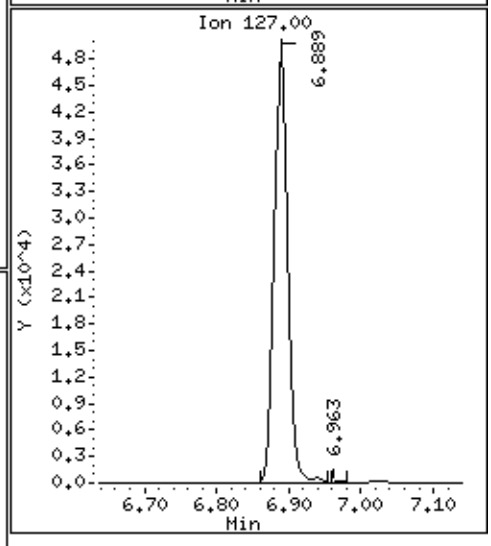
Concentration: 51.9 ppb

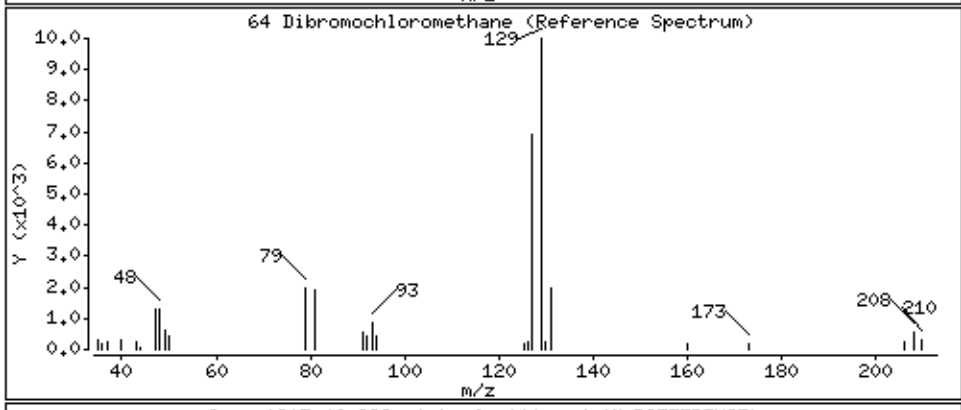
Review Code:

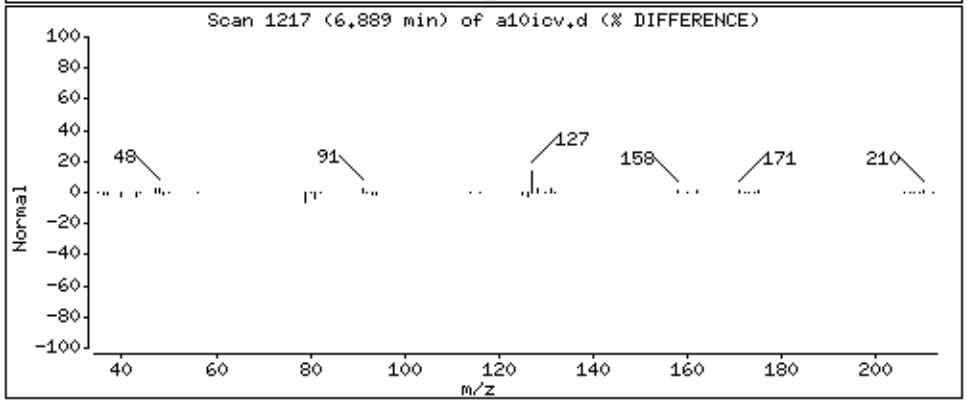












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

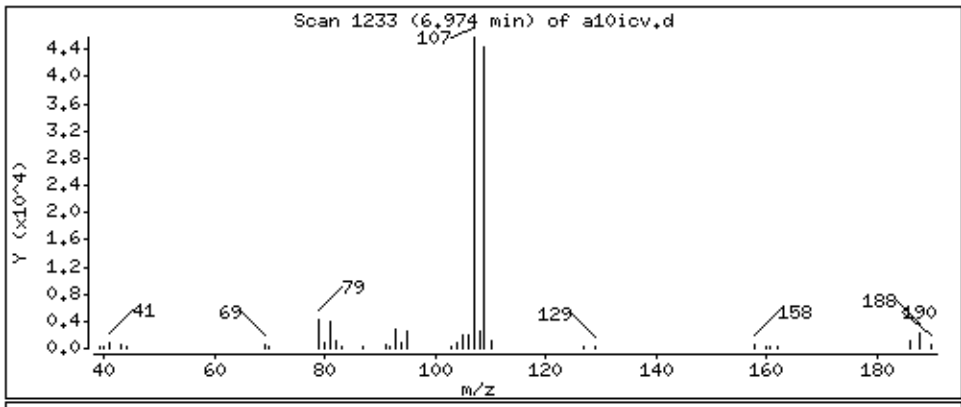
Column phase: DB-624

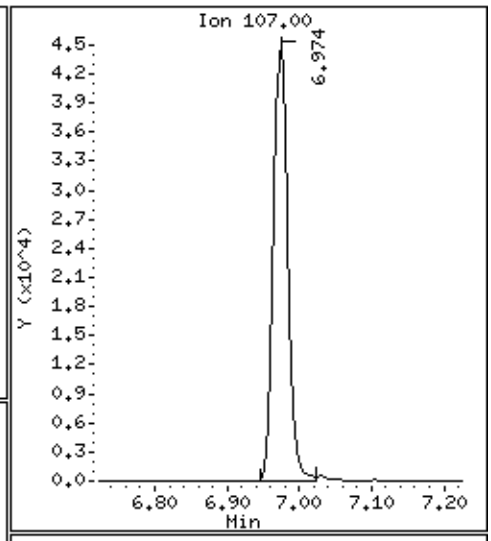
Column diameter: 0.18

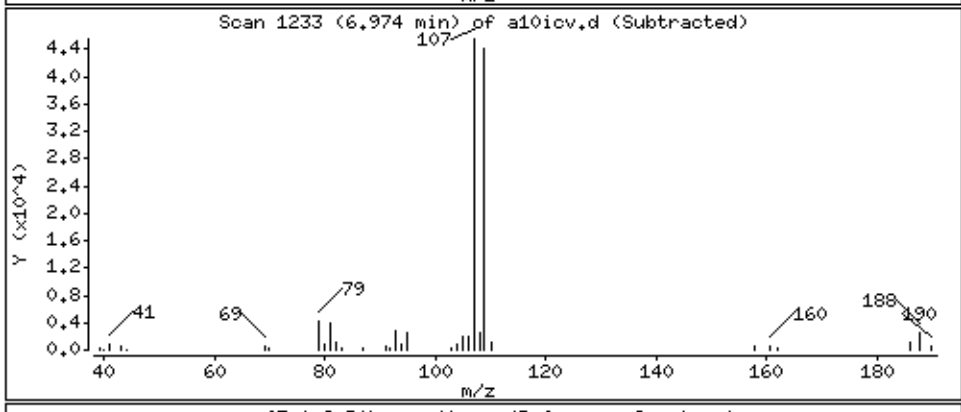
65 1,2-Dibromoethane

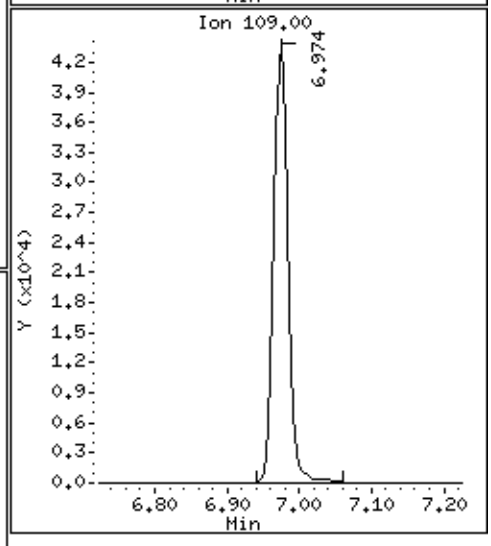
Concentration: 51.7 ppb

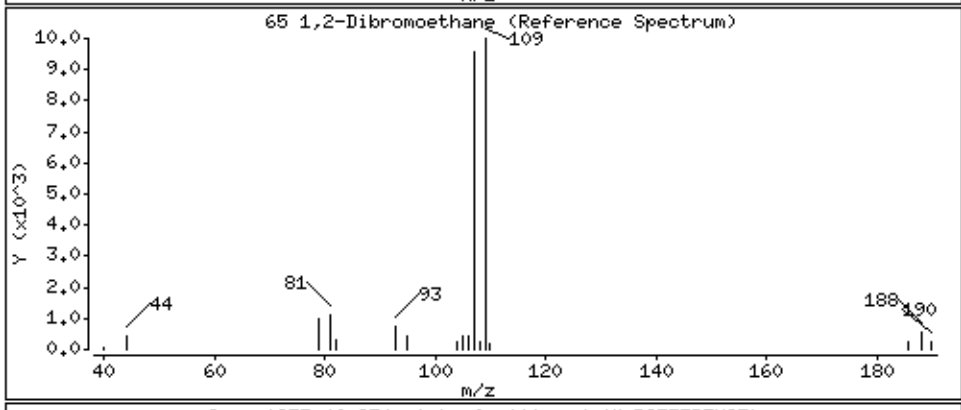
Review Code:

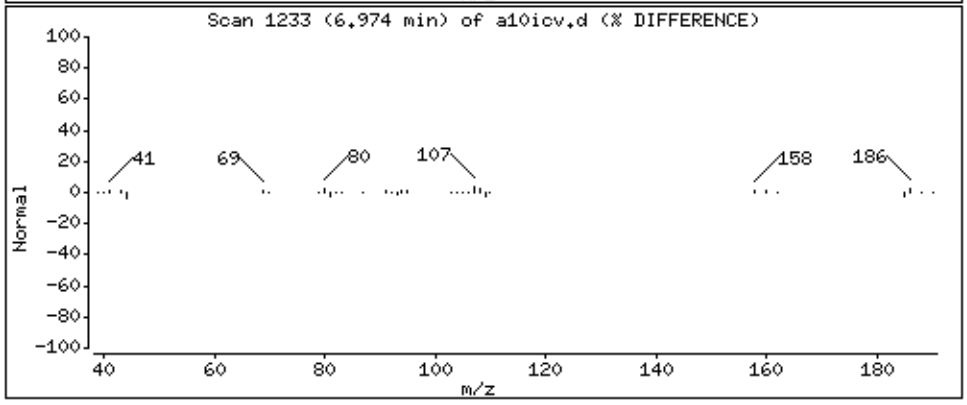












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

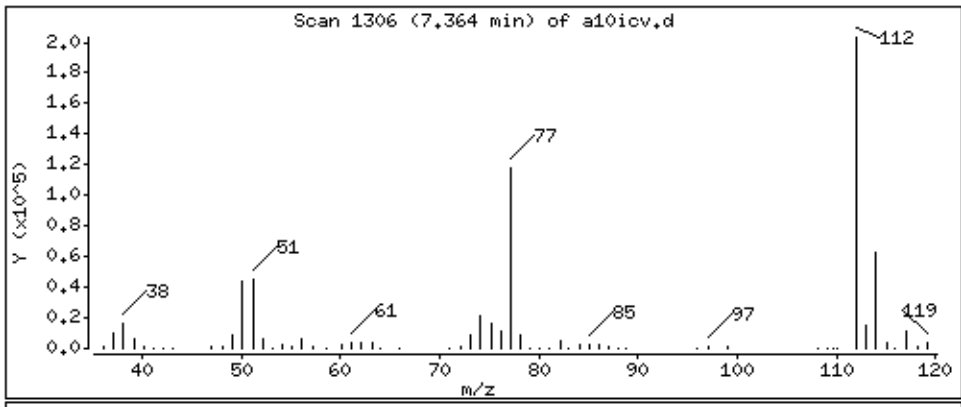
Column phase: DB-624

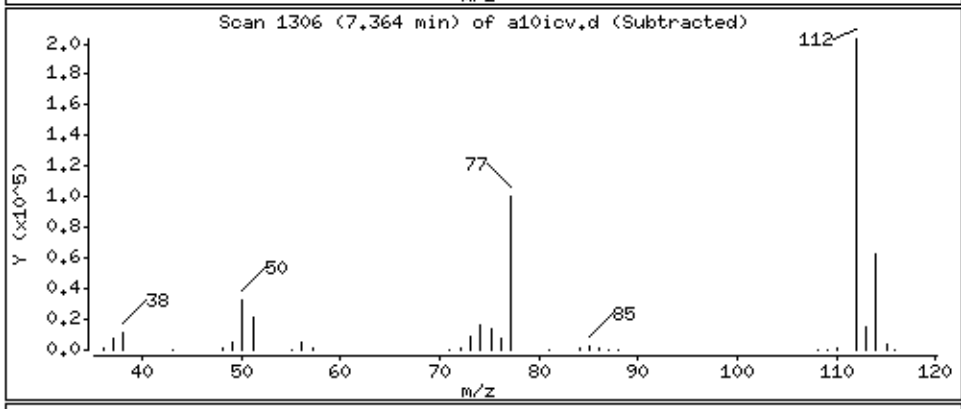
Column diameter: 0.18

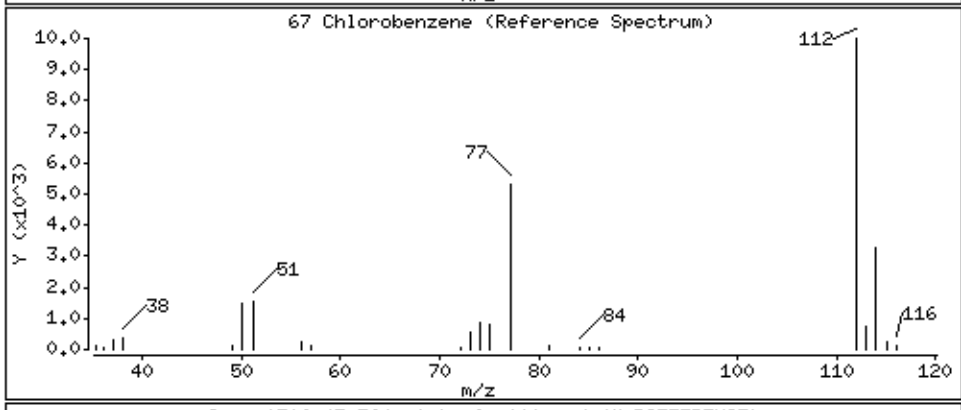
67 Chlorobenzene

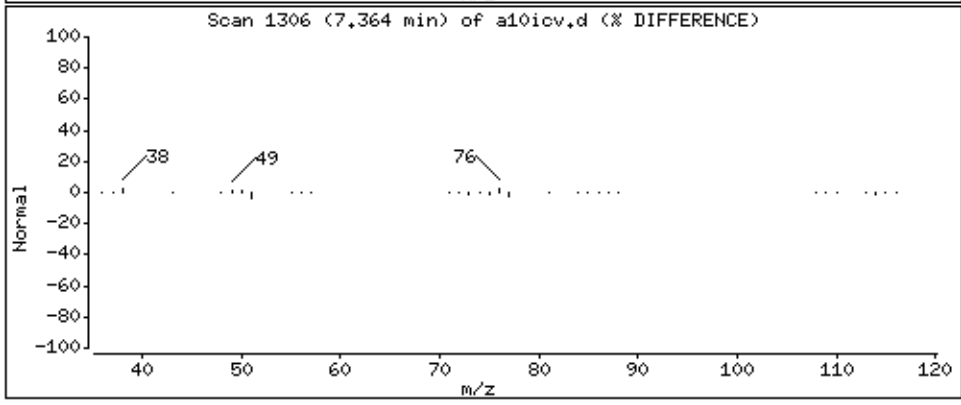
Concentration: 47.6 ppb

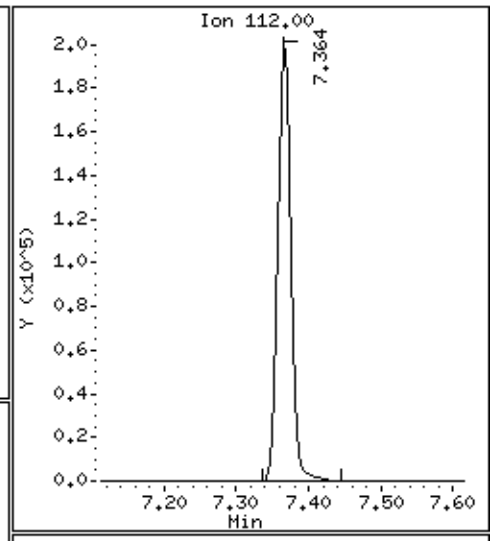
Review Code:

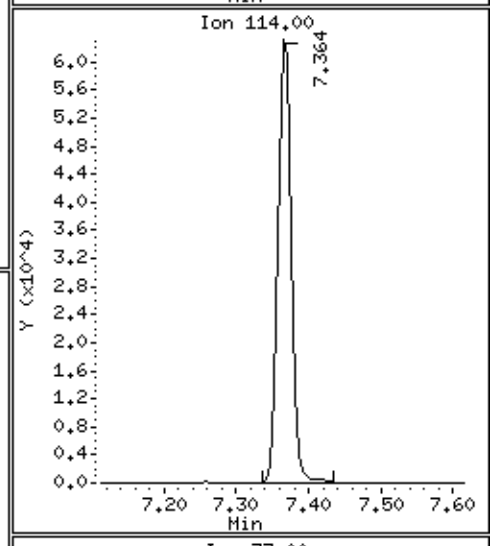


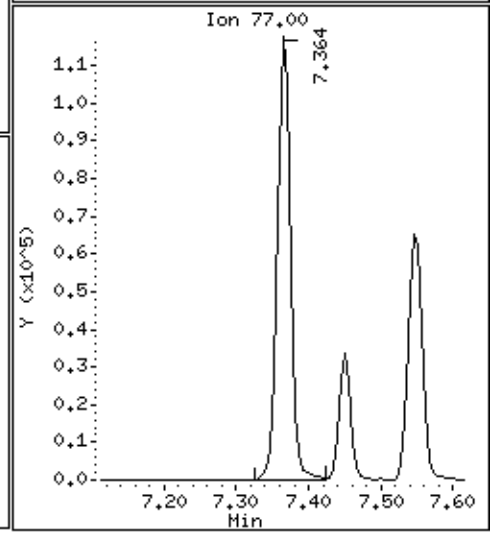












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

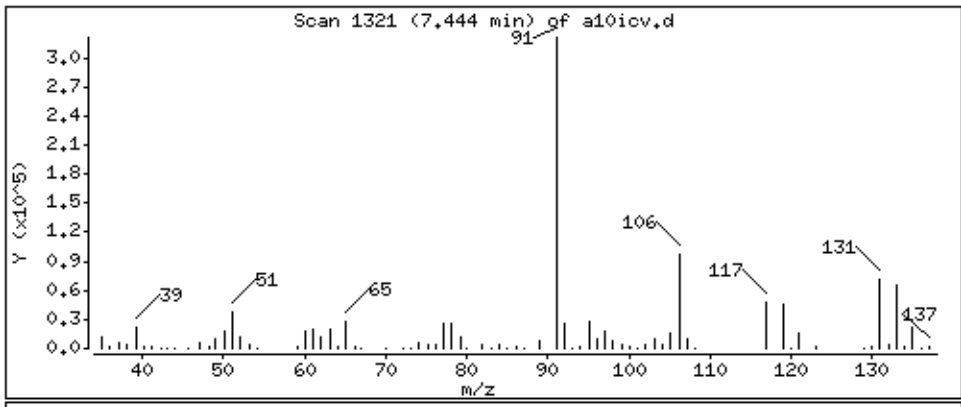
Column phase: DB-624

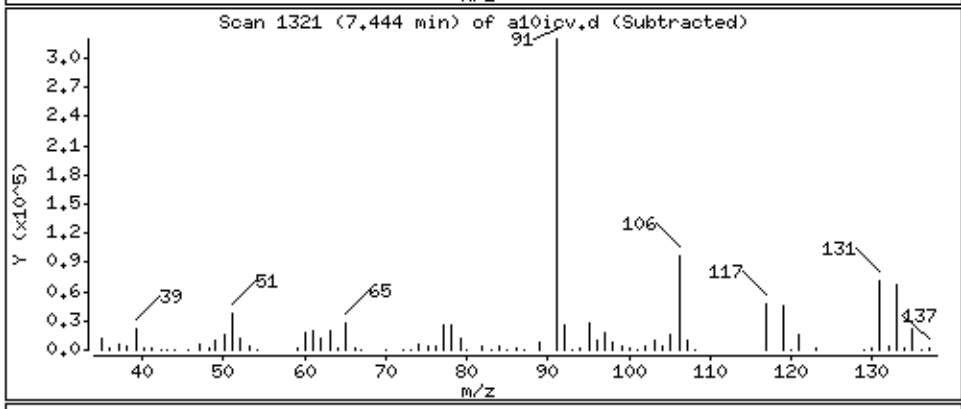
Column diameter: 0.18

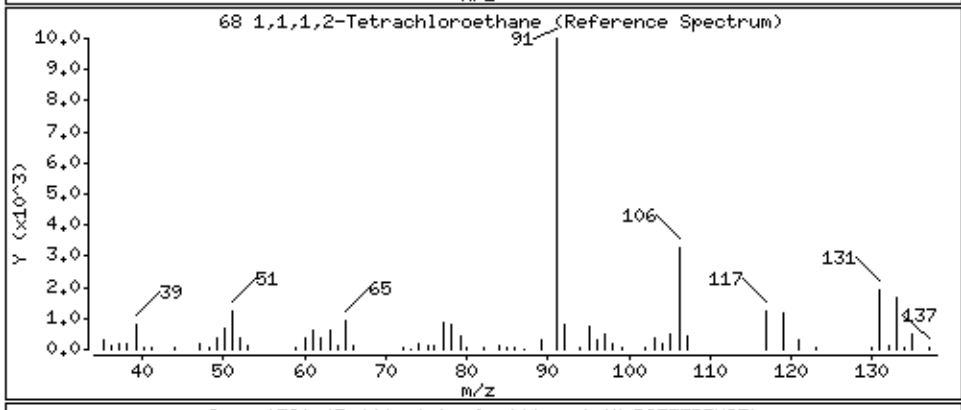
68 1,1,1,2-Tetrachloroethane

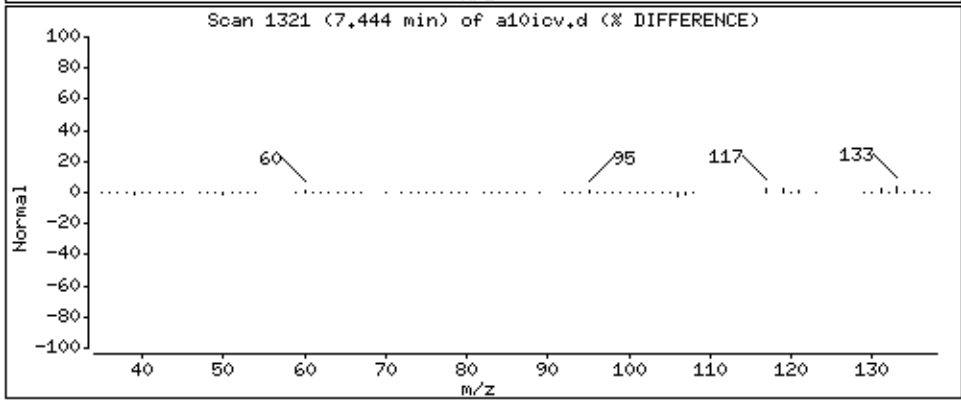
Concentration: 52.5 ppb

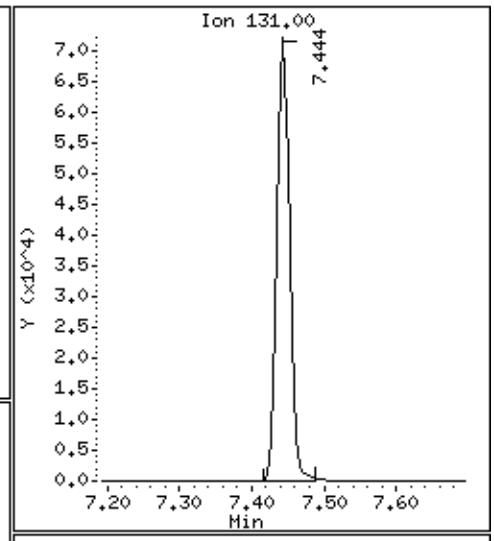
Review Code:

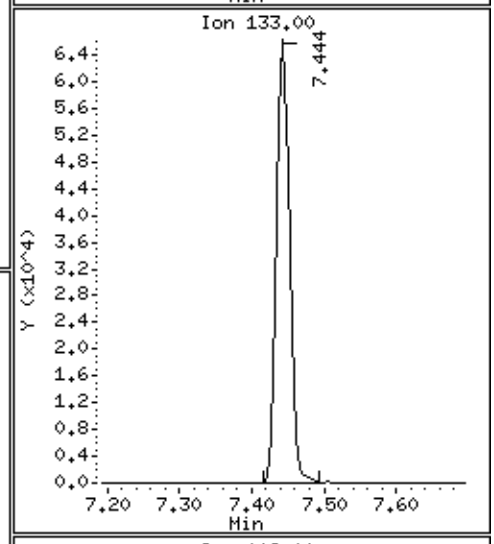


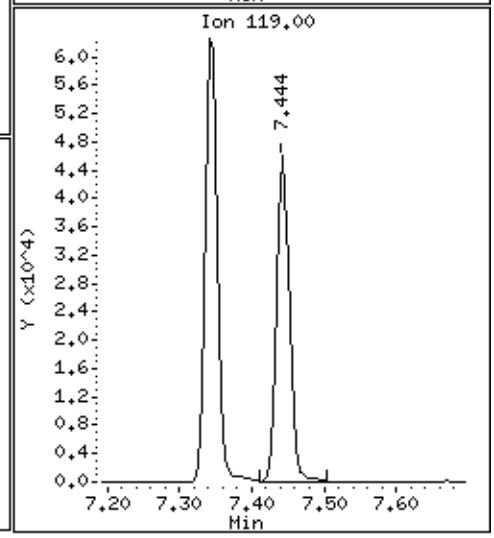












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Page 69

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

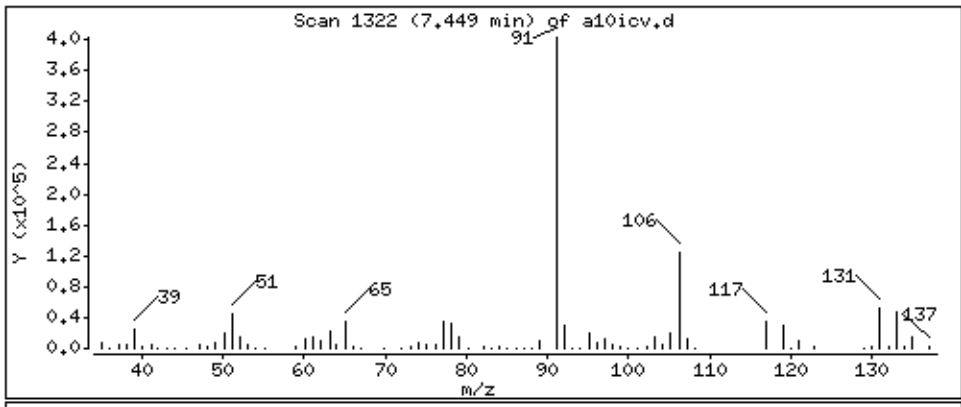
Column phase: DB-624

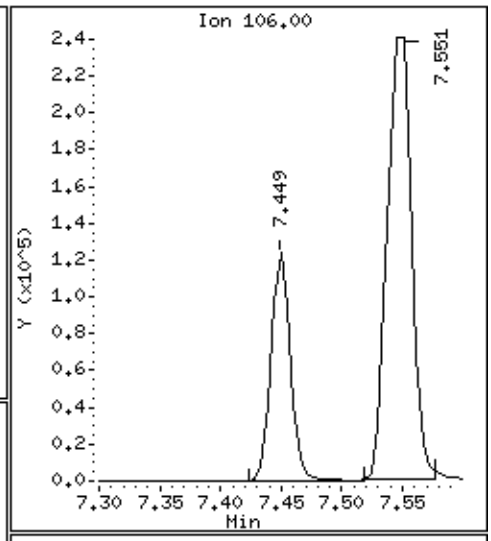
Column diameter: 0.18

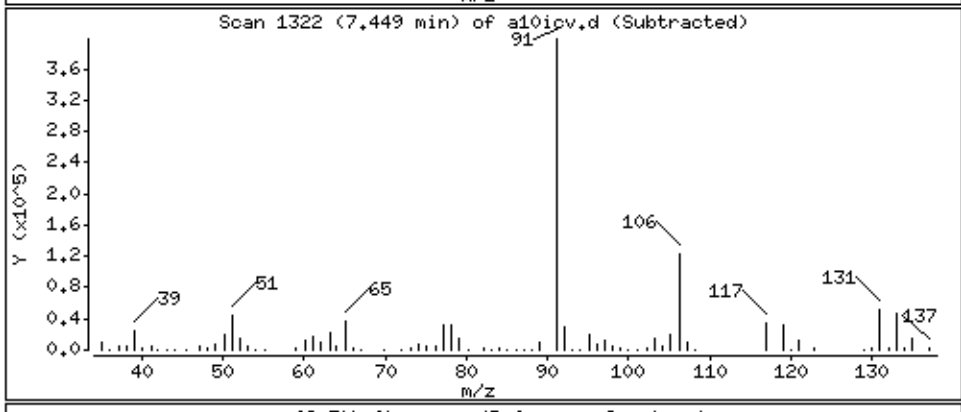
69 Ethylbenzene

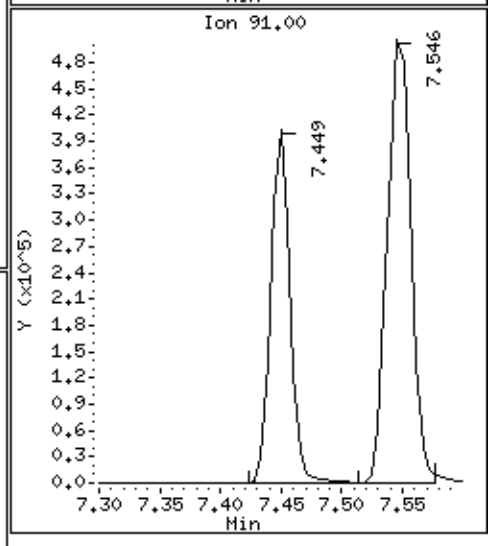
Concentration: 52.4 ppb

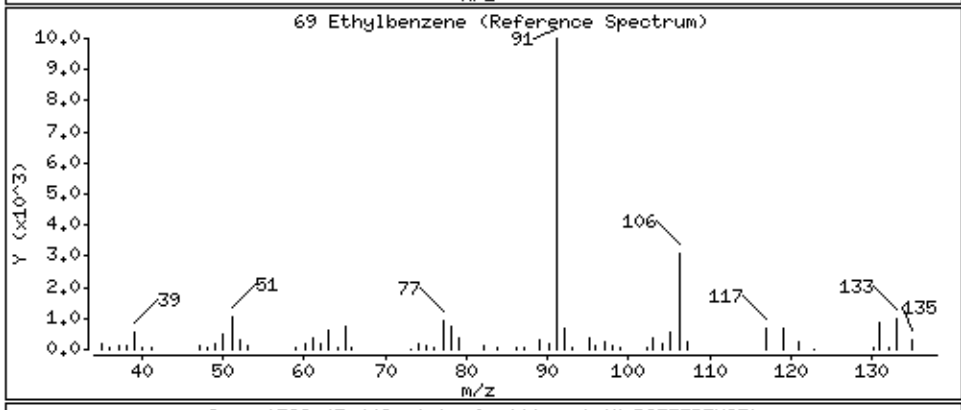
Review Code:

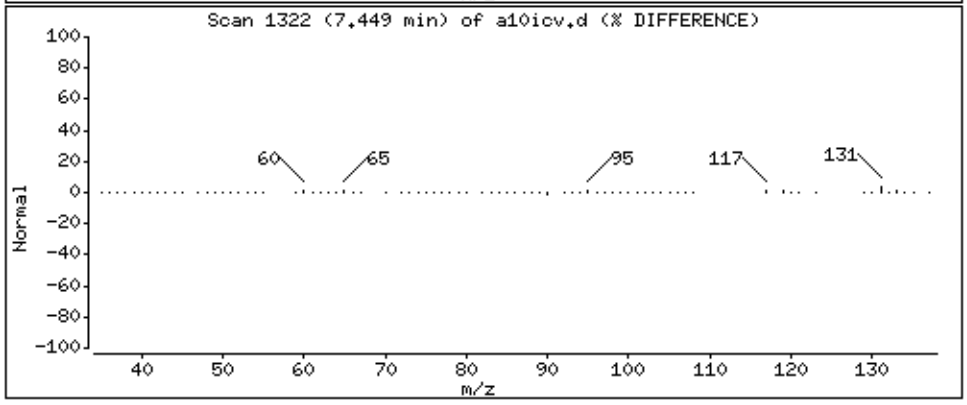












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

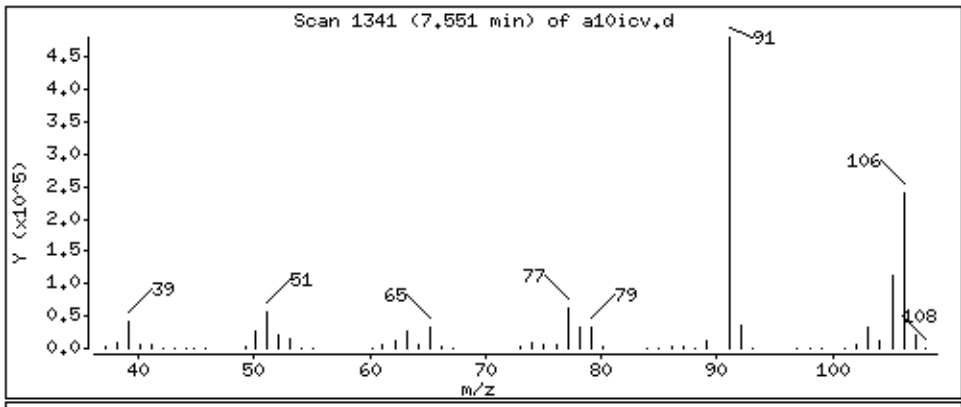
Column phase: DB-624

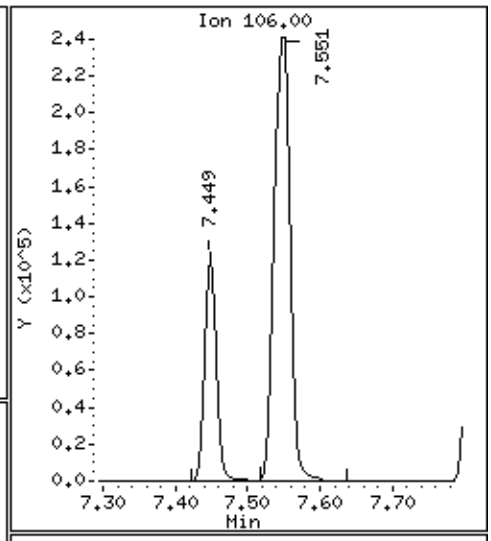
Column diameter: 0.18

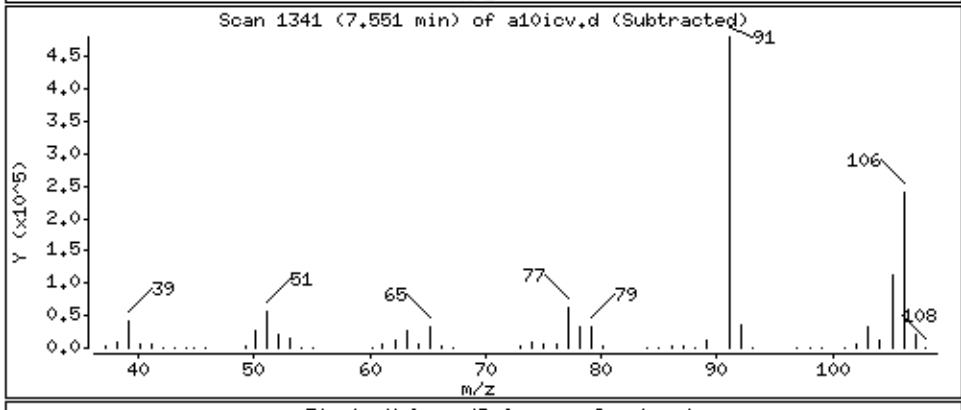
70 m&p-Xylene

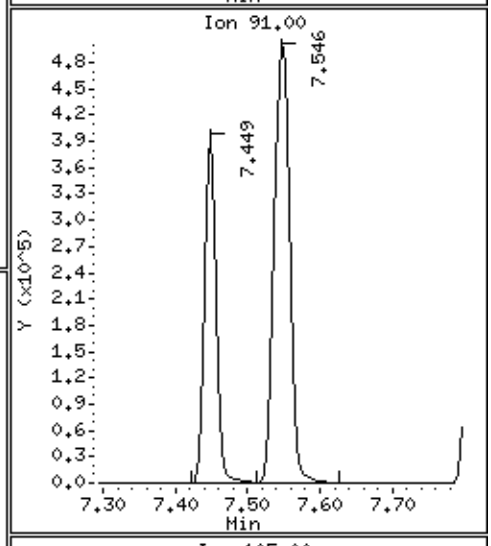
Concentration: 106 ppb

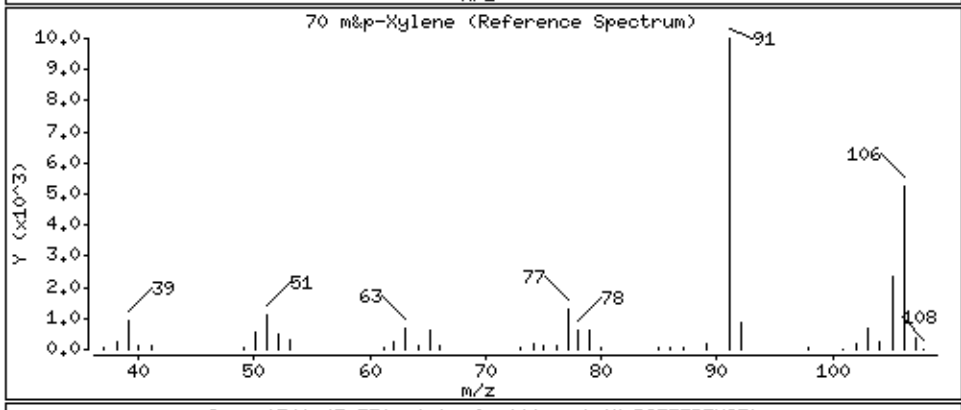
Review Code:

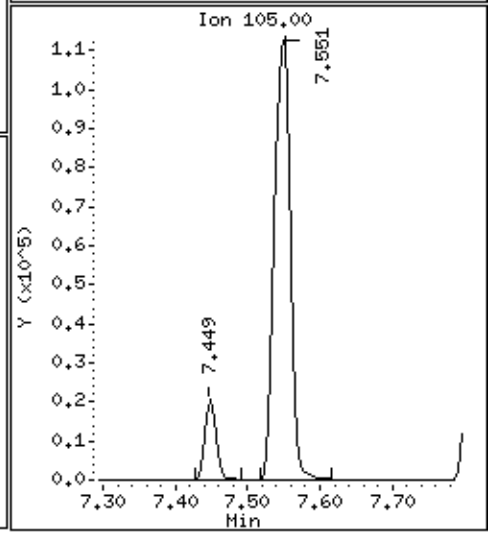


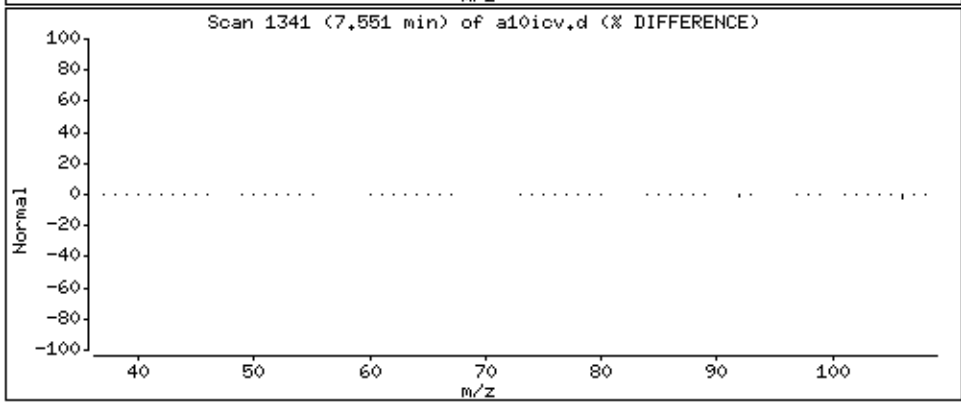












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

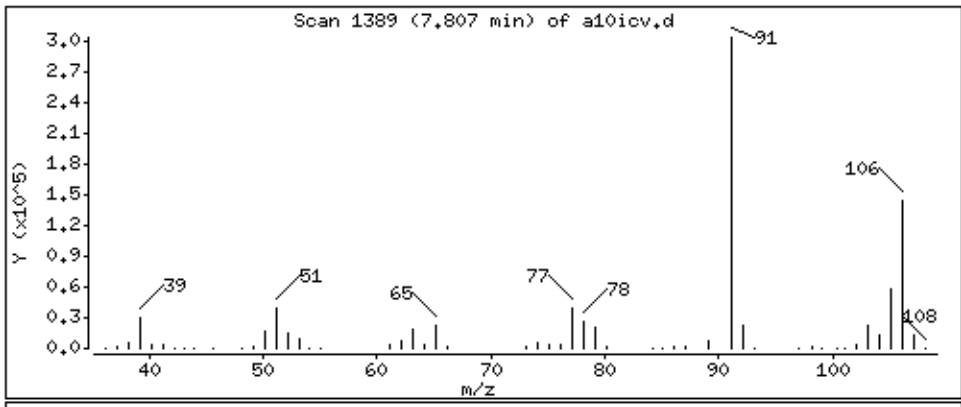
Column phase: DB-624

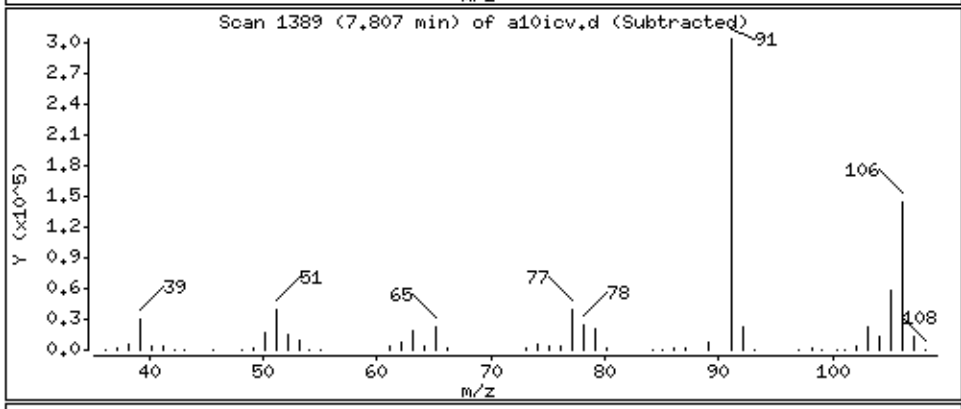
Column diameter: 0.18

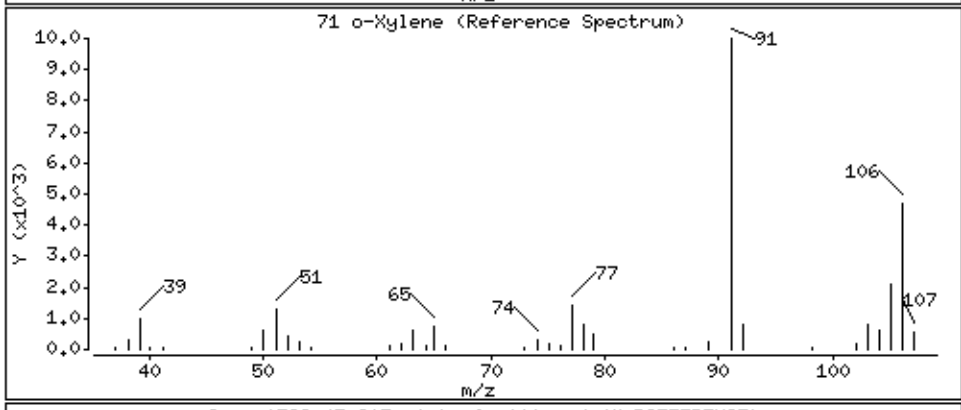
71 o-Xylene

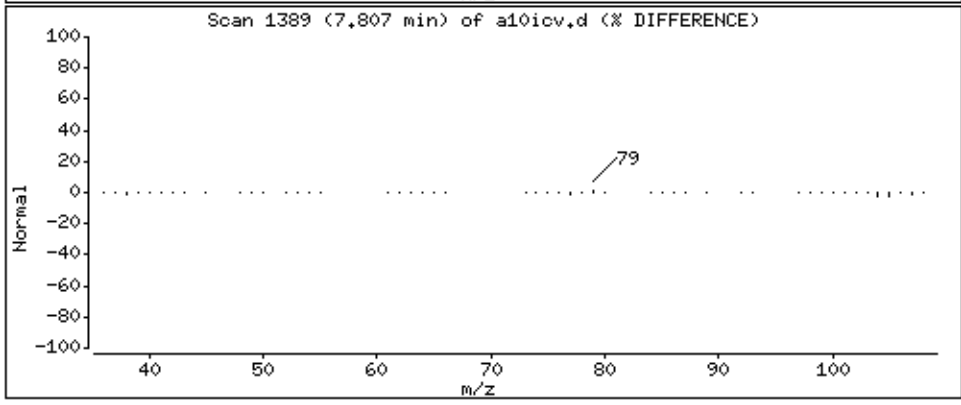
Concentration: 51.4 ppb

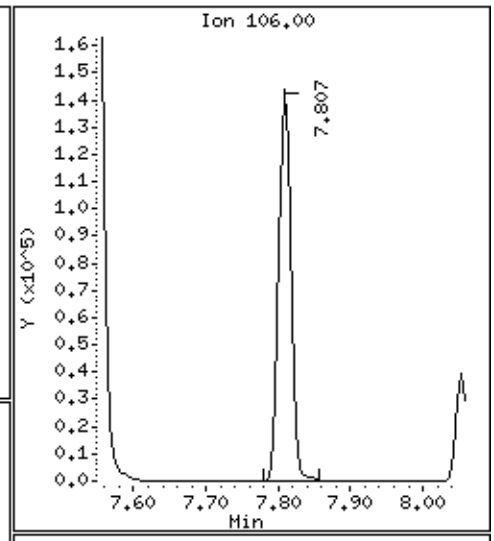
Review Code:

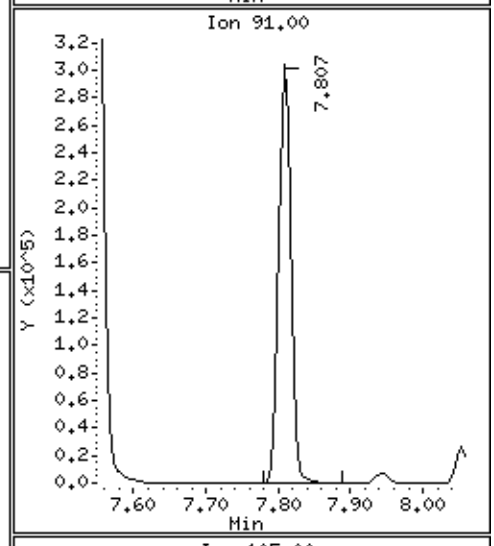


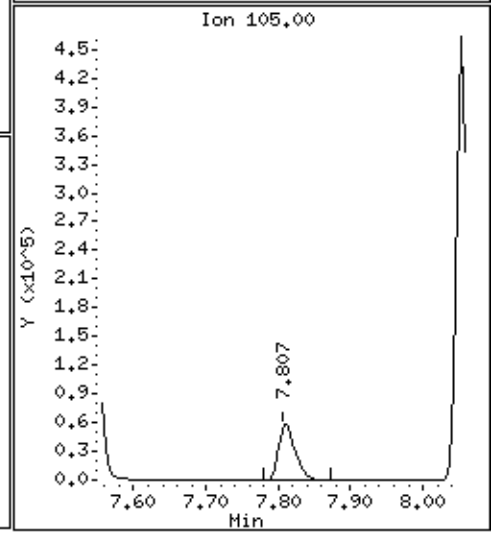












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

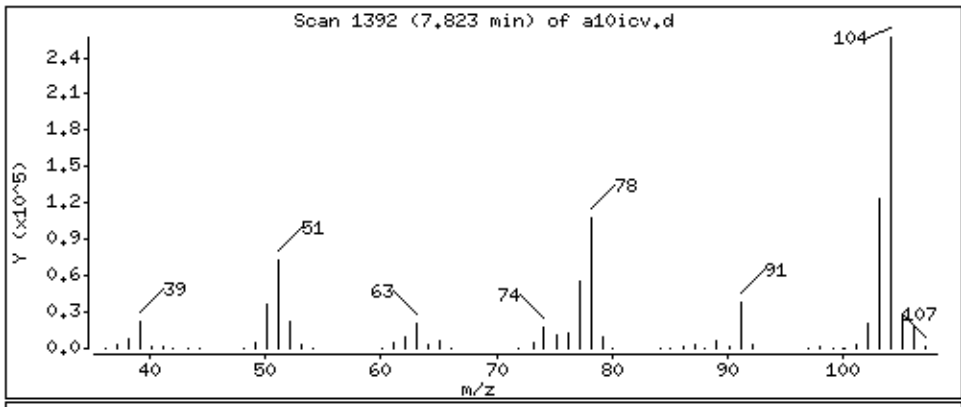
Column phase: DB-624

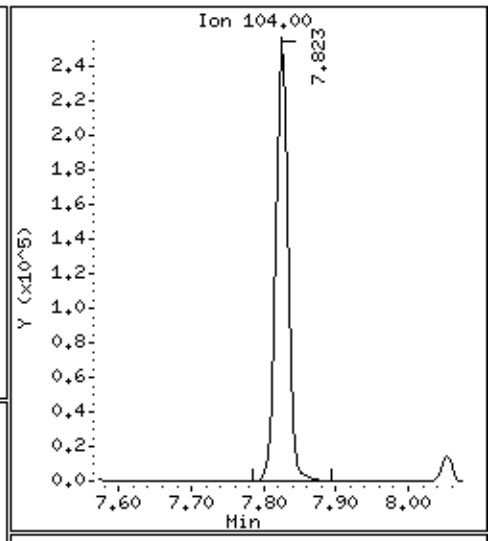
Column diameter: 0.18

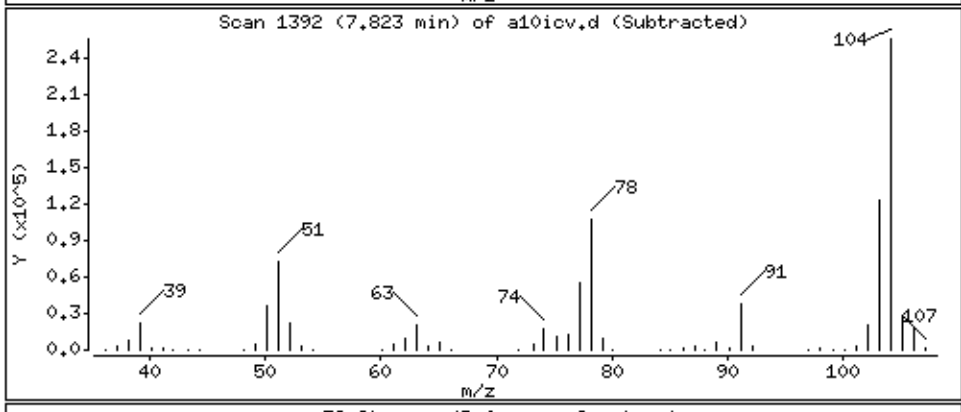
72 Styrene

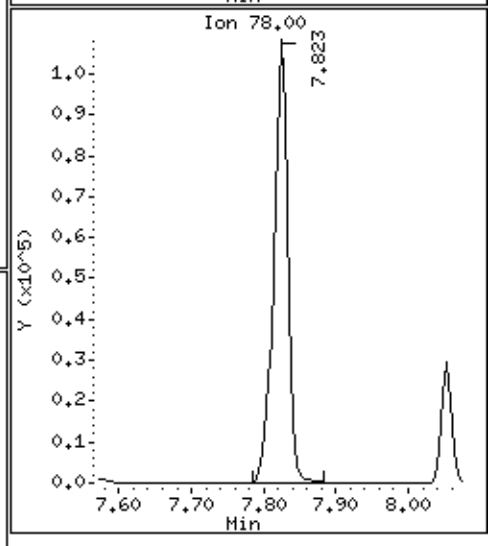
Concentration: 55.7 ppb

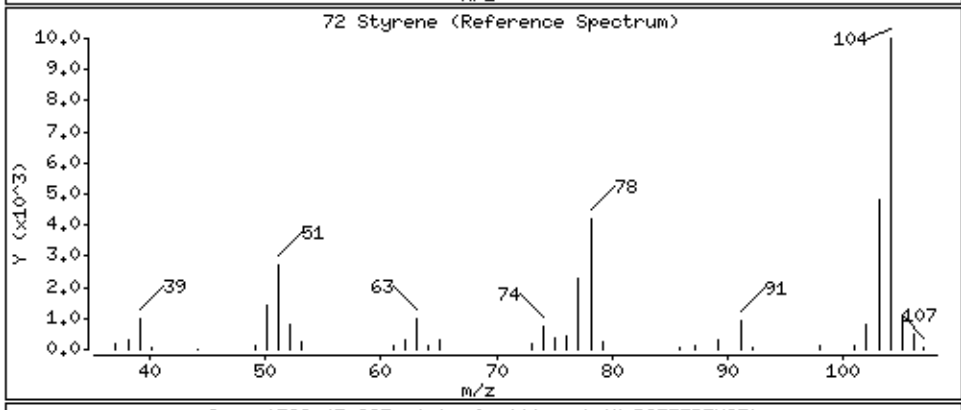
Review Code:

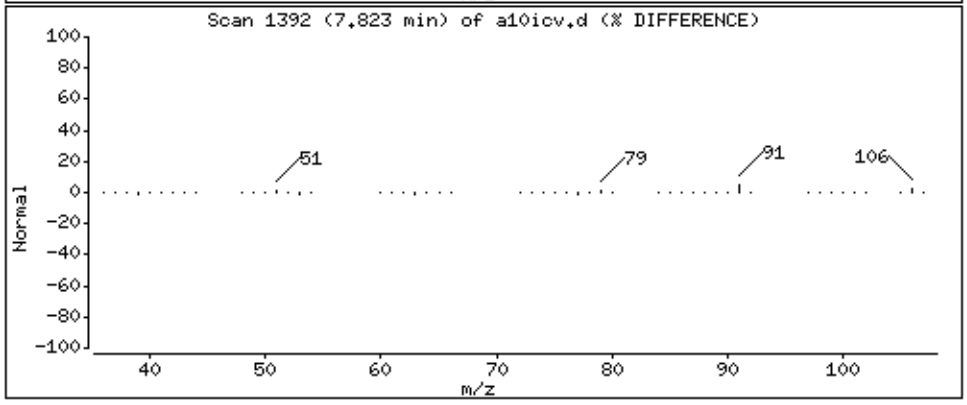












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

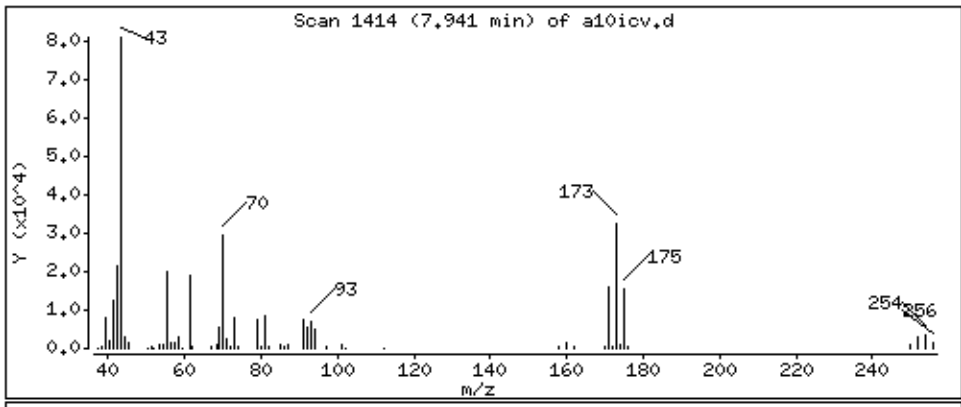
Column phase: DB-624

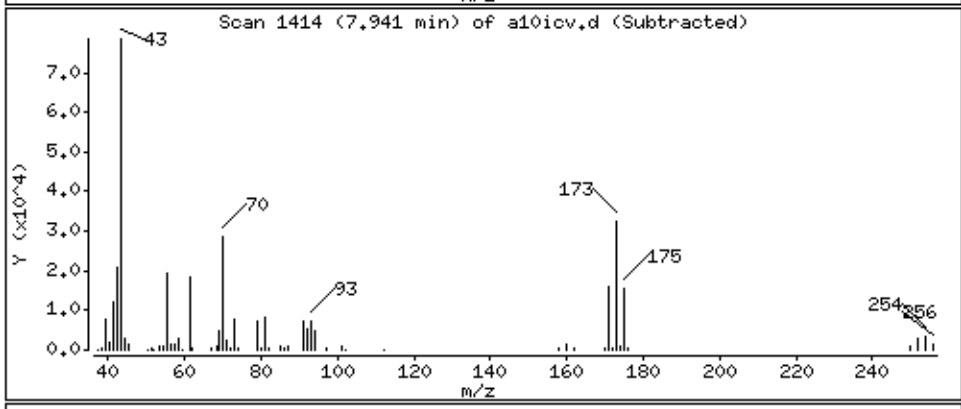
Column diameter: 0.18

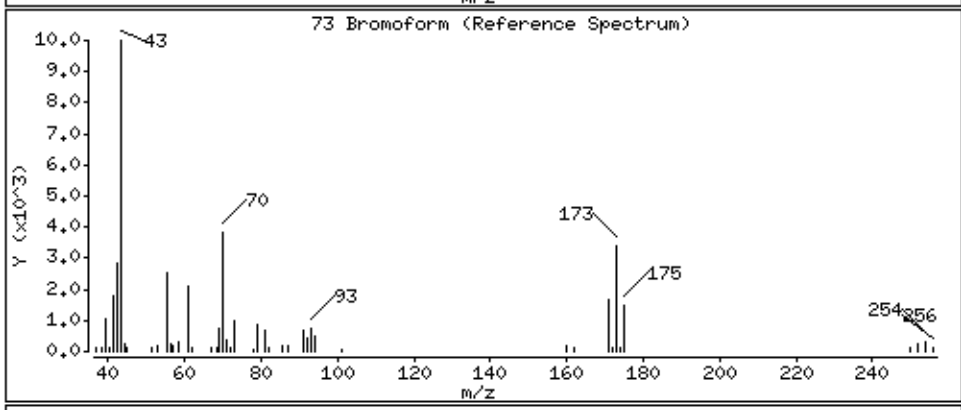
73 Bromoform

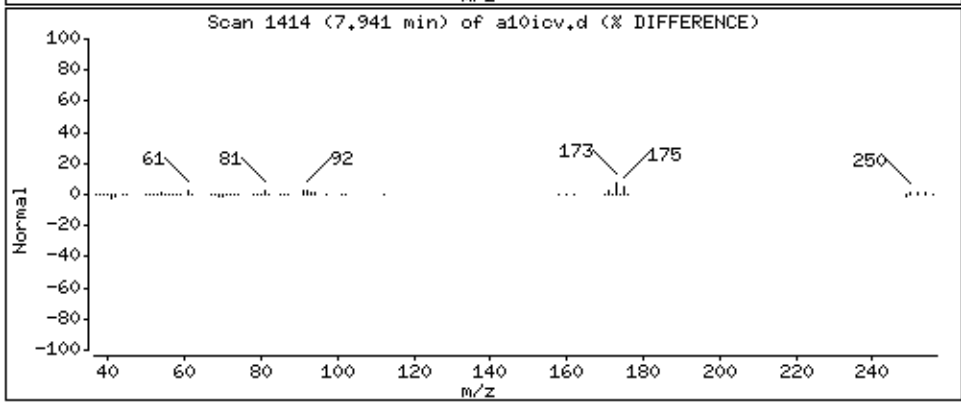
Concentration: 45.3 ppb

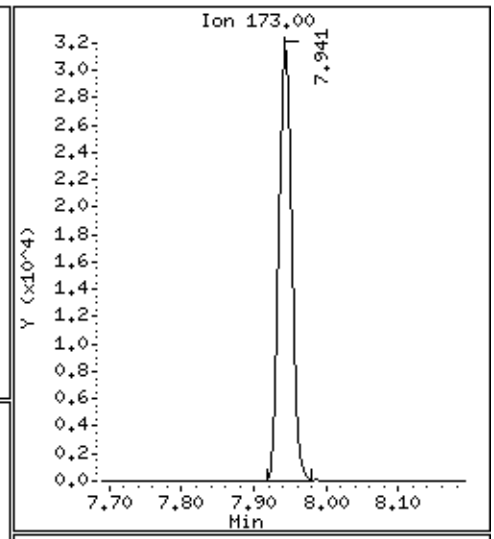
Review Code:

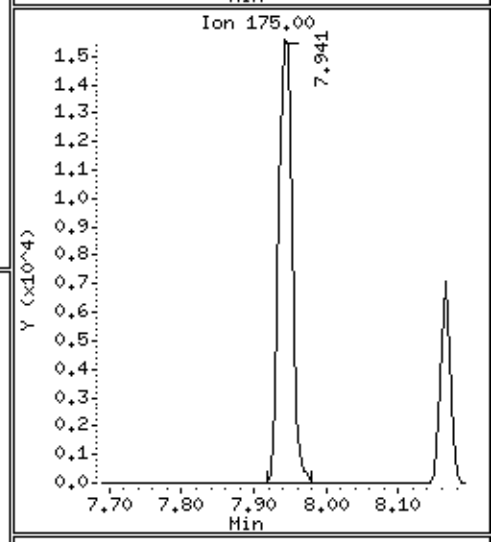


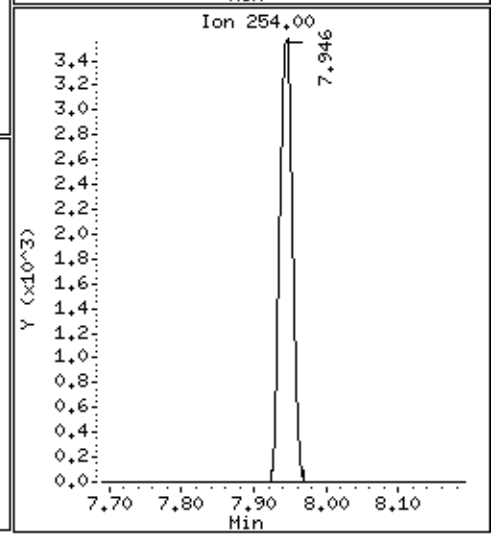












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

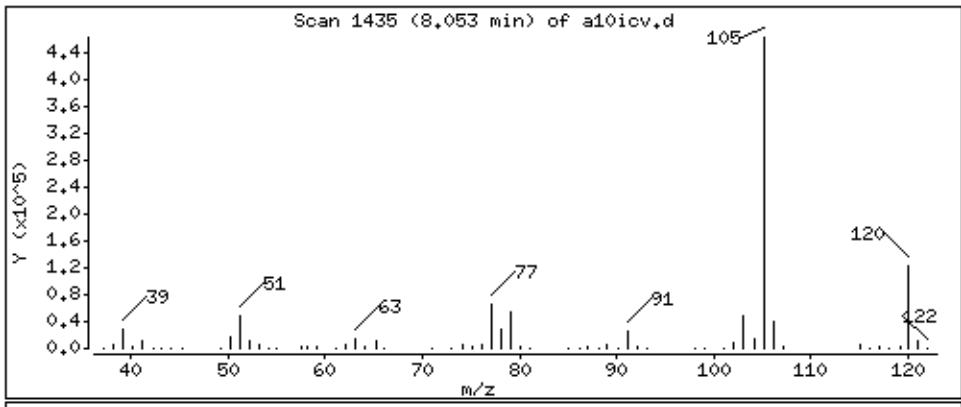
Column phase: DB-624

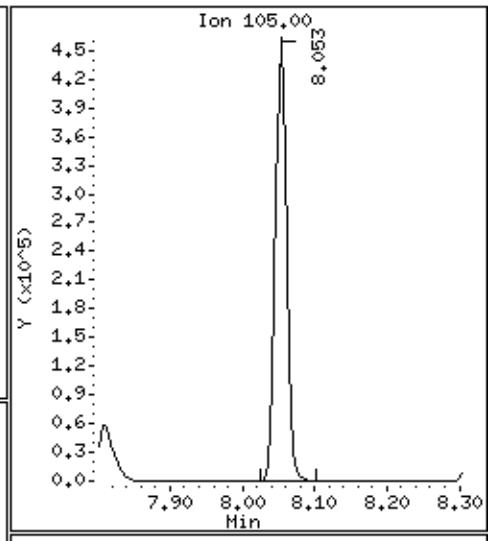
Column diameter: 0.18

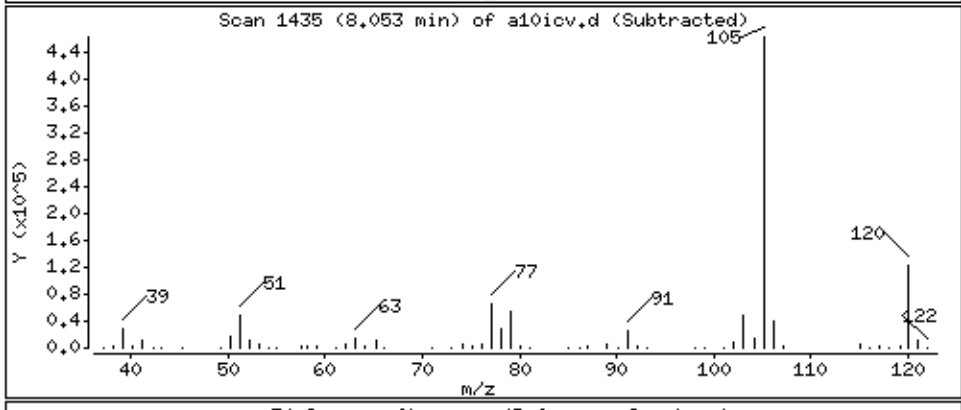
74 Isopropylbenzene

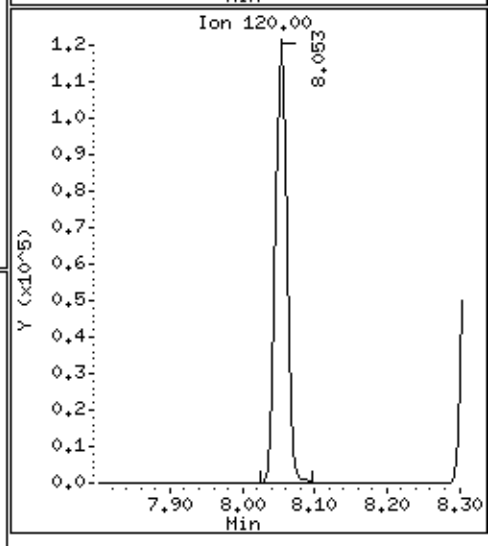
Concentration: 54.0 ppb

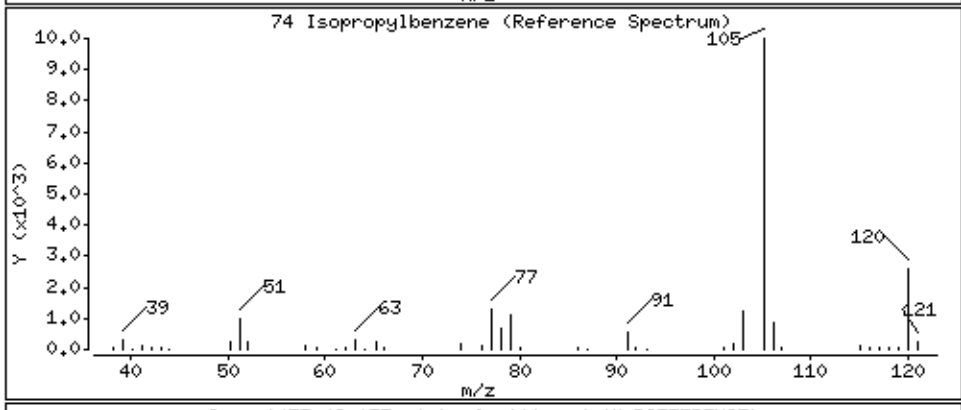
Review Code:

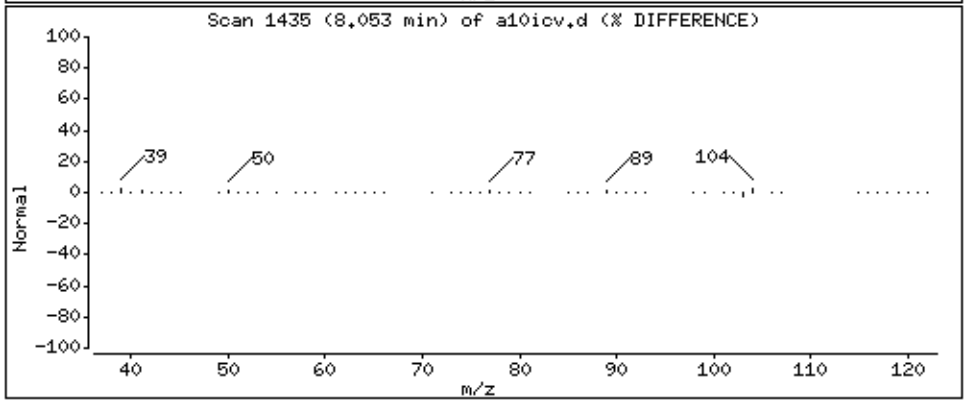












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

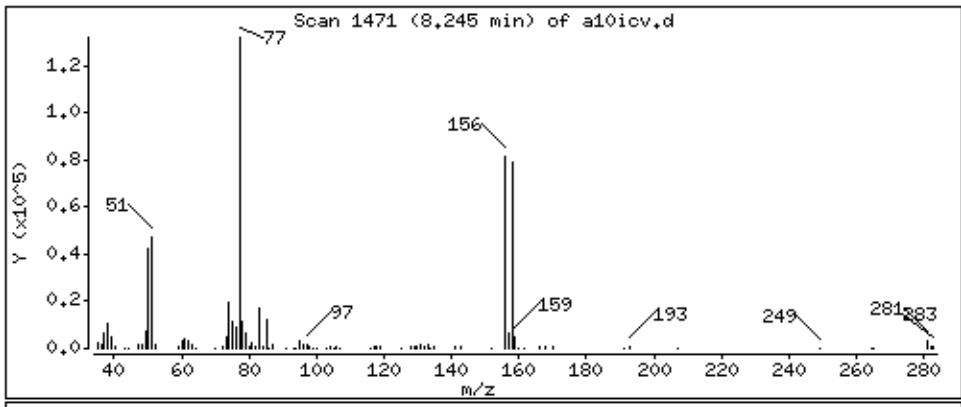
Column phase: DB-624

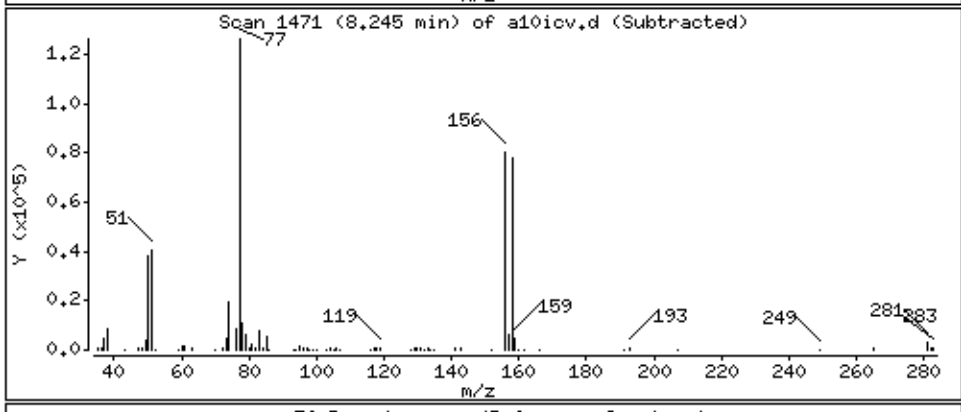
Column diameter: 0.18

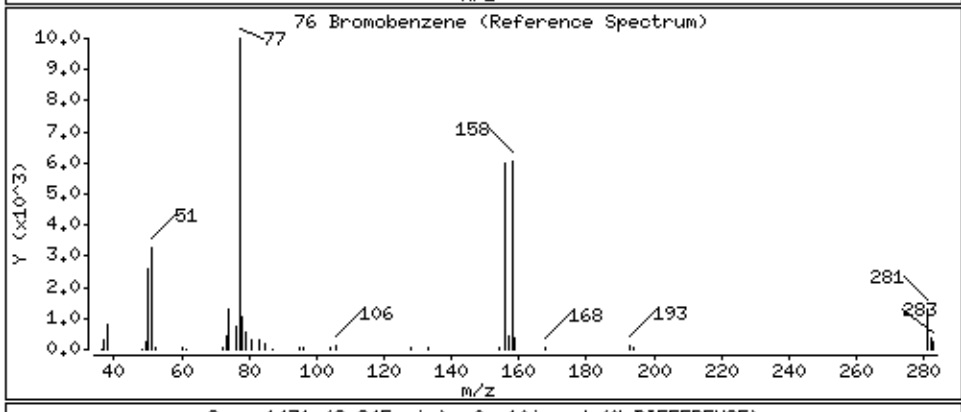
76 Bromobenzene

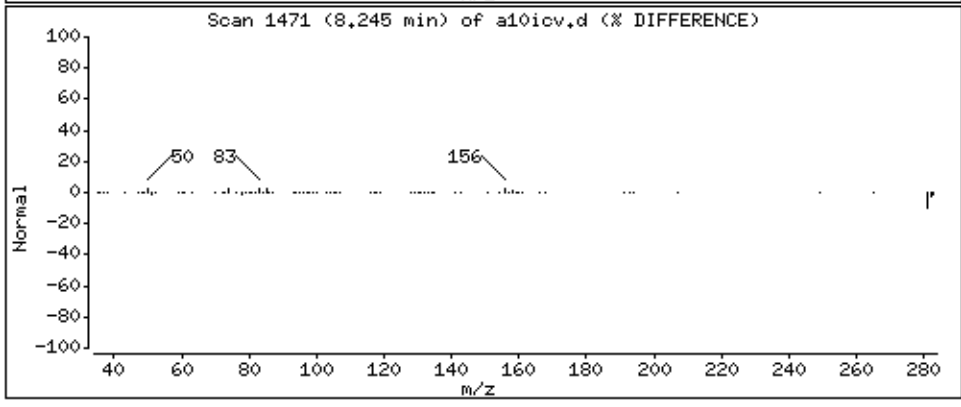
Concentration: 49.9 ppb

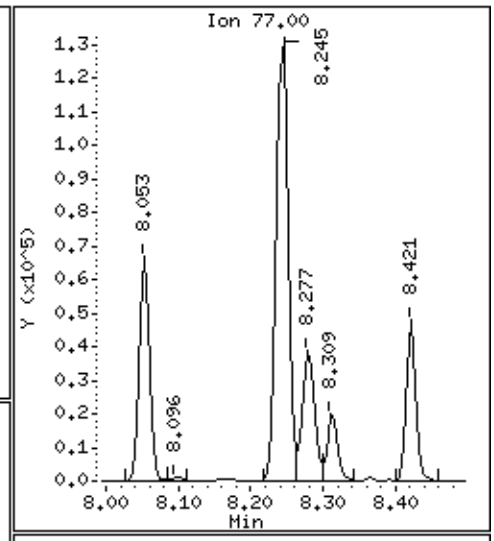
Review Code:

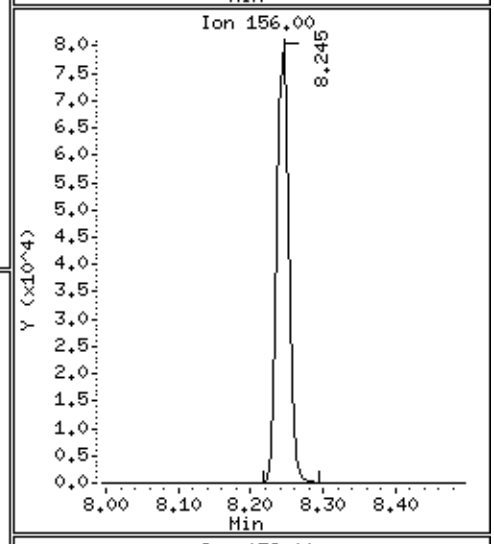


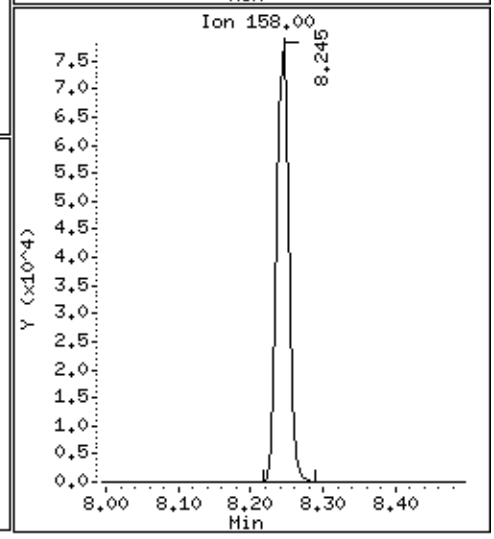












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

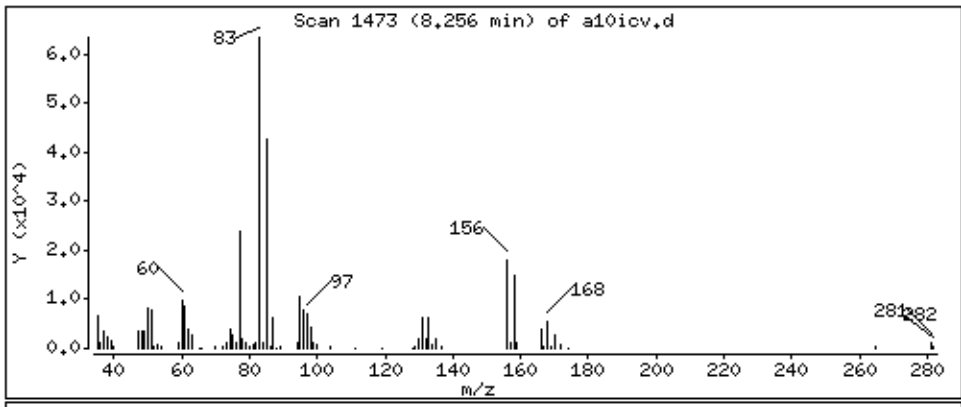
Column phase: DB-624

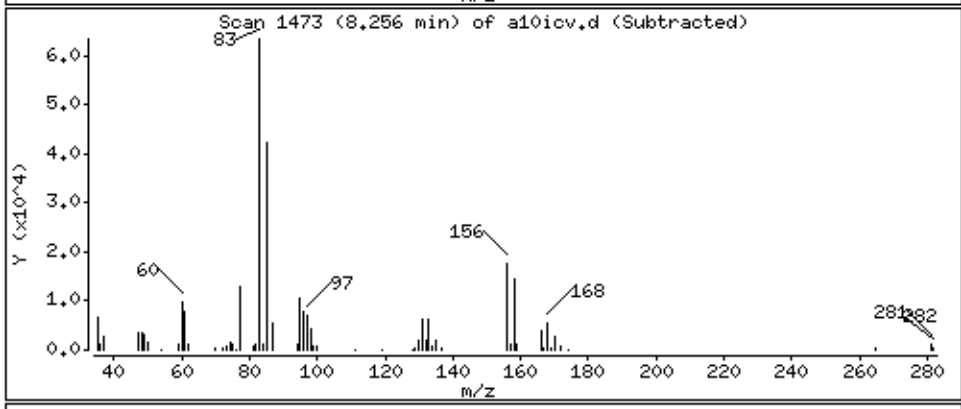
Column diameter: 0.18

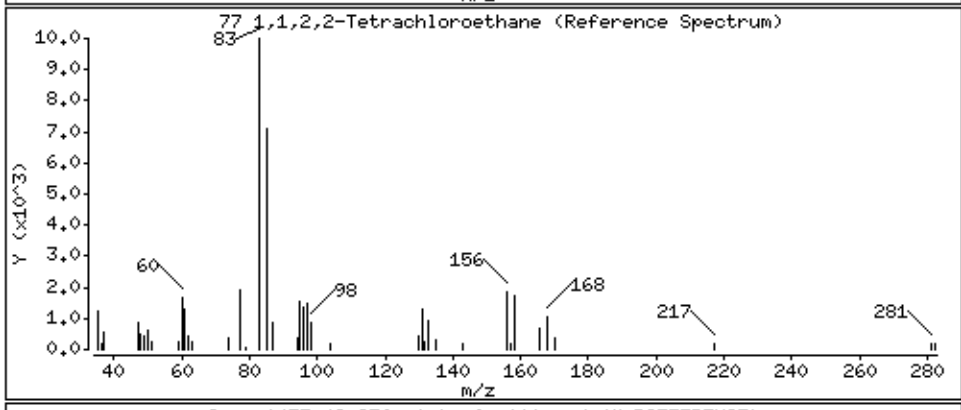
77 1,1,2,2-Tetrachloroethane

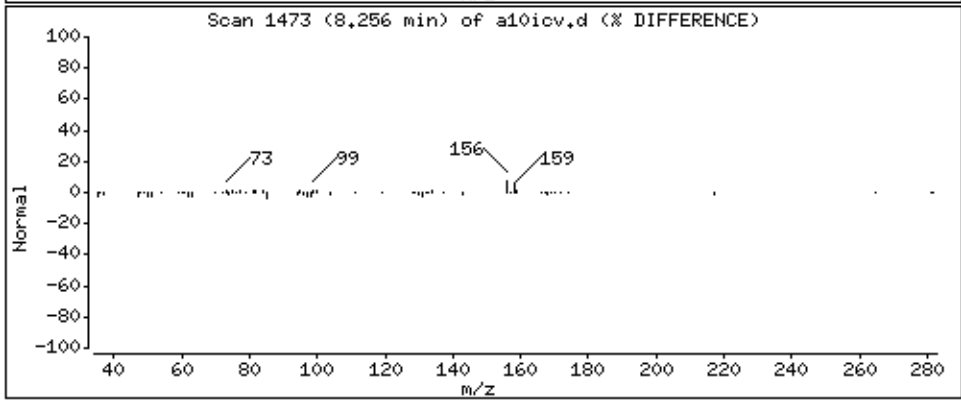
Concentration: 46.5 ppb

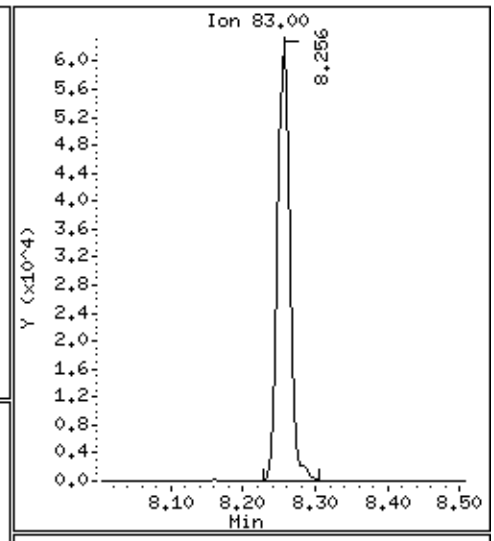
Review Code:

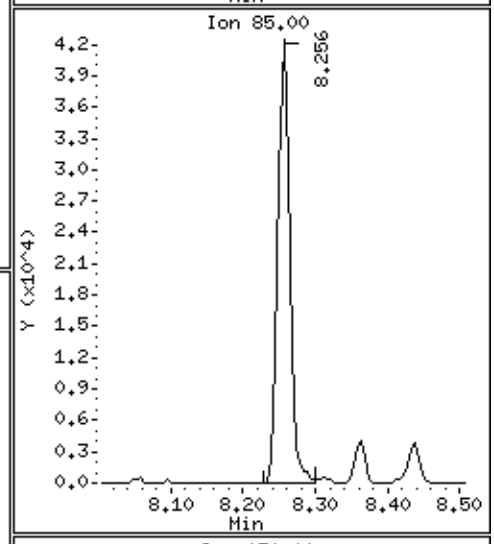


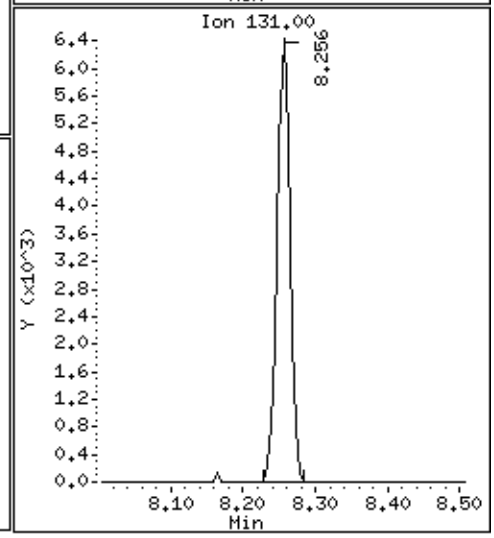












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

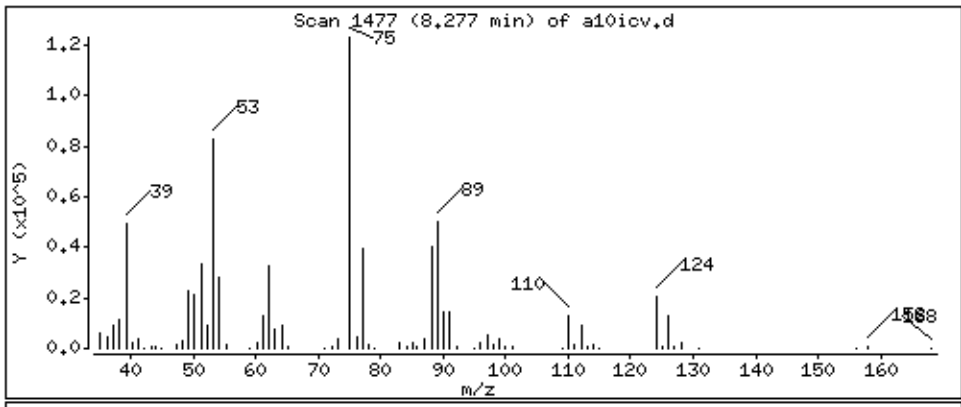
Column phase: DB-624

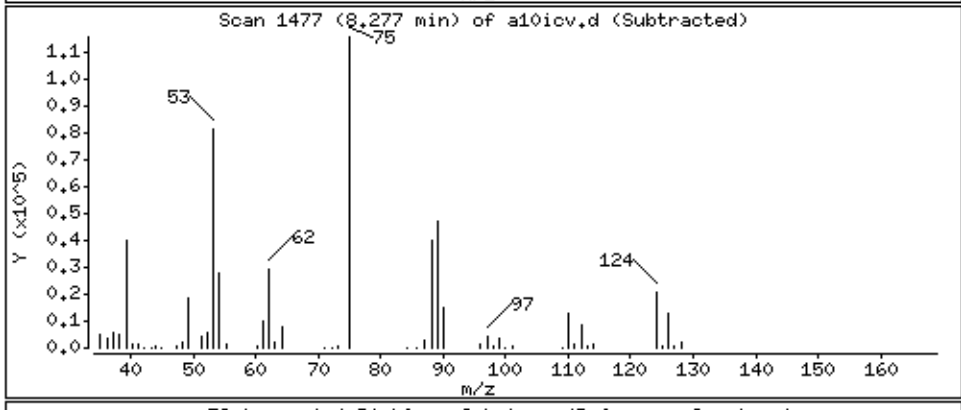
Column diameter: 0.18

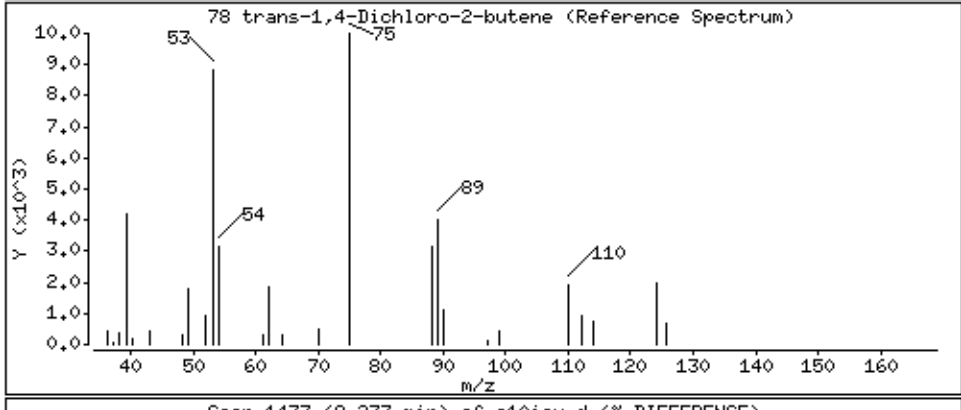
78 trans-1,4-Dichloro-2-butene

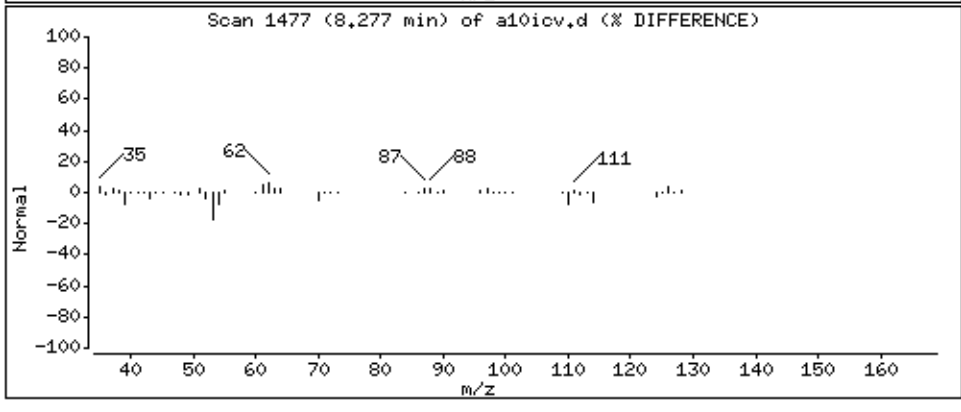
Concentration: 212 ppb

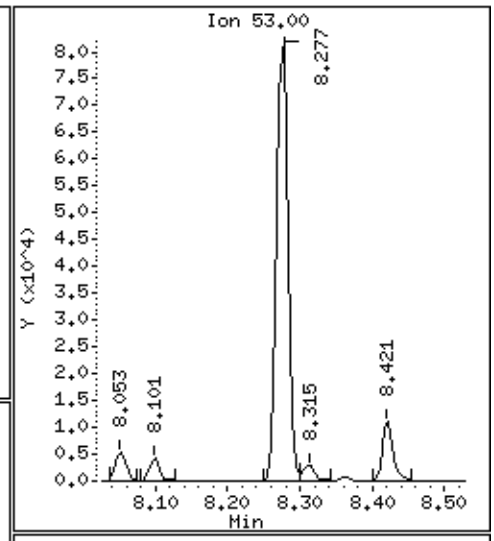
Review Code:

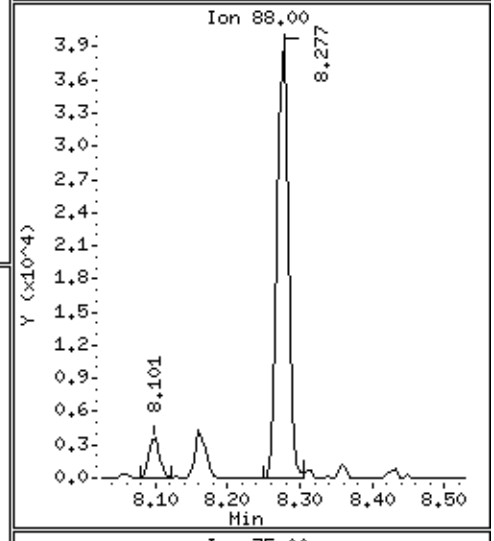


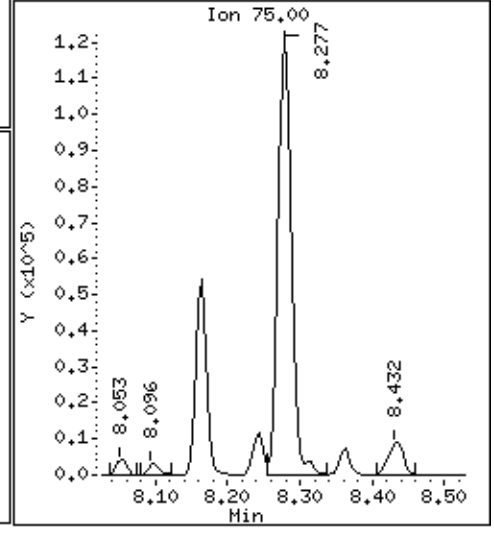












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

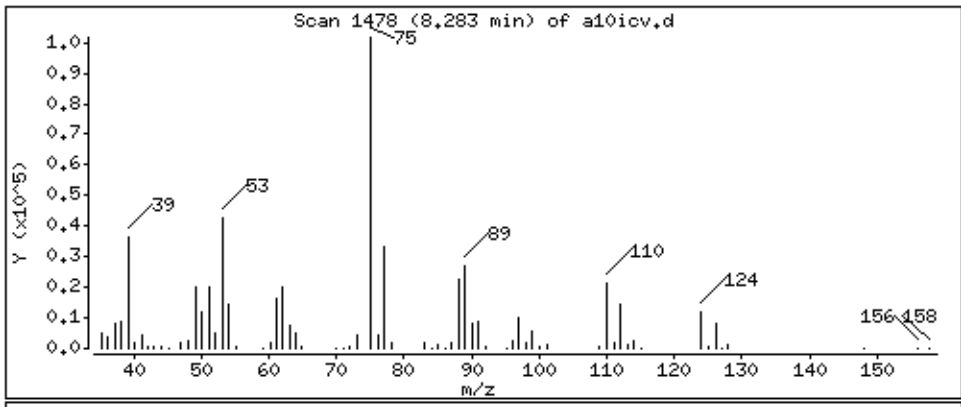
Column phase: DB-624

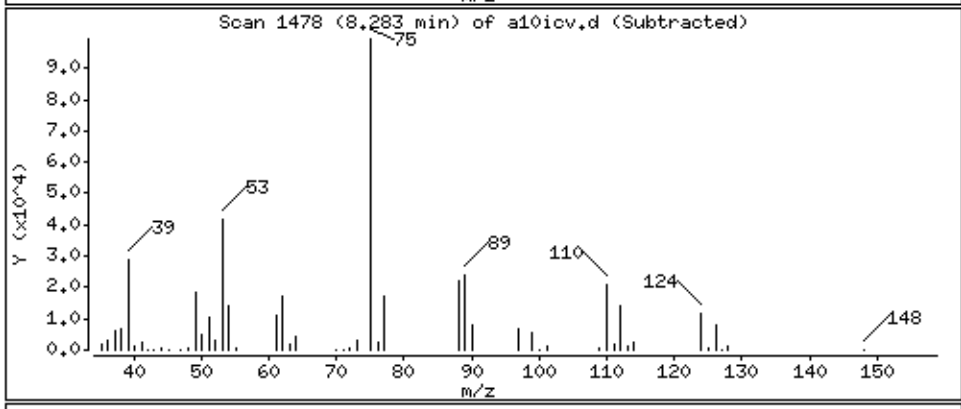
Column diameter: 0.18

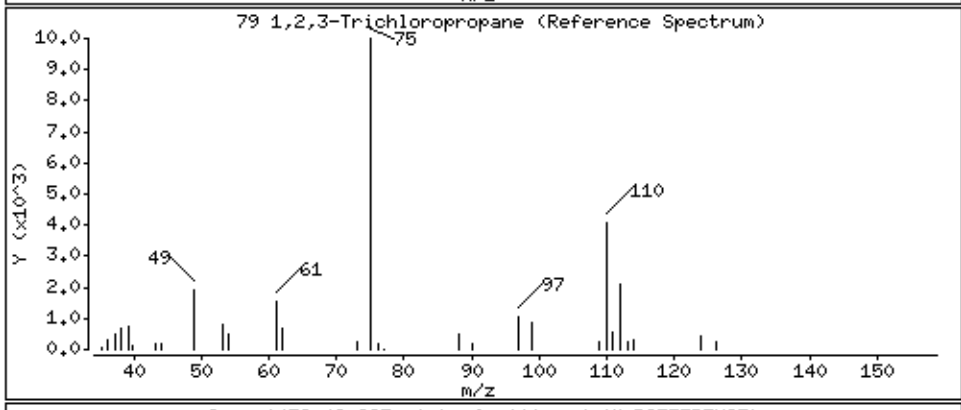
79 1,2,3-Trichloropropane

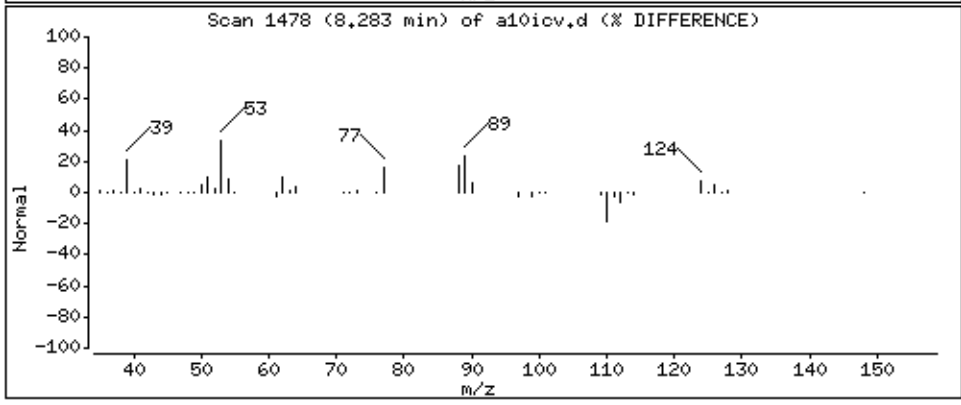
Concentration: 47.5 ppb

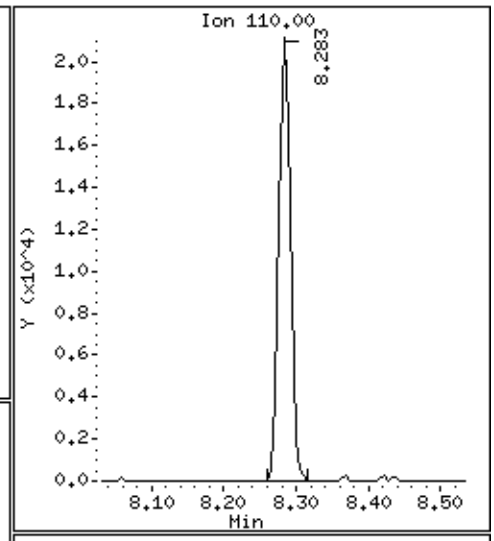
Review Code:

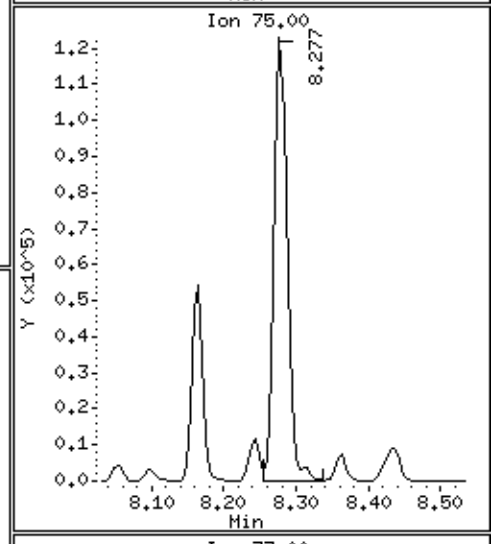


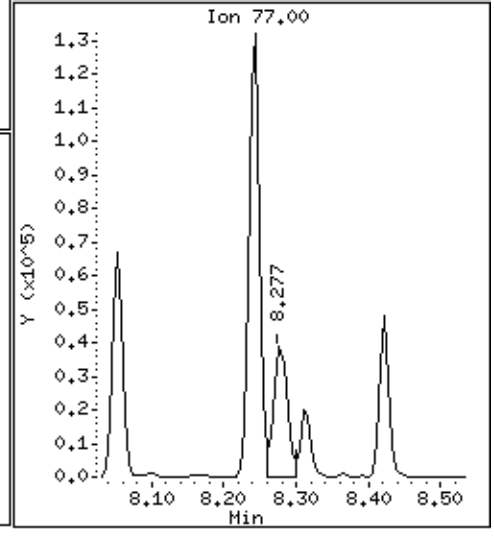












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

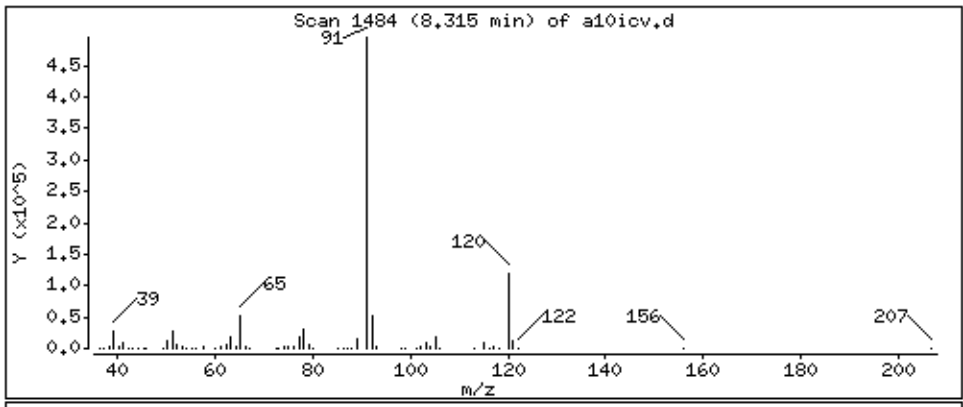
Column phase: DB-624

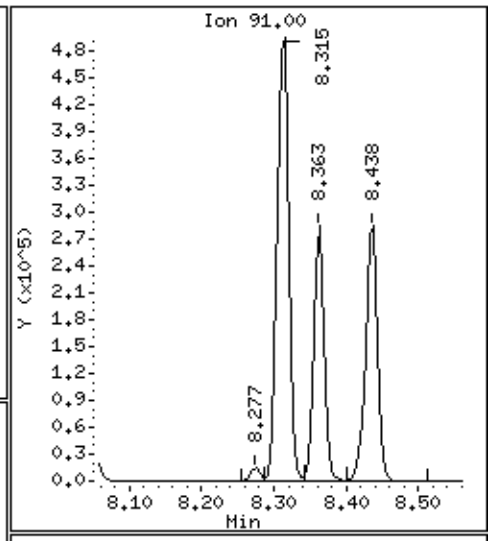
Column diameter: 0.18

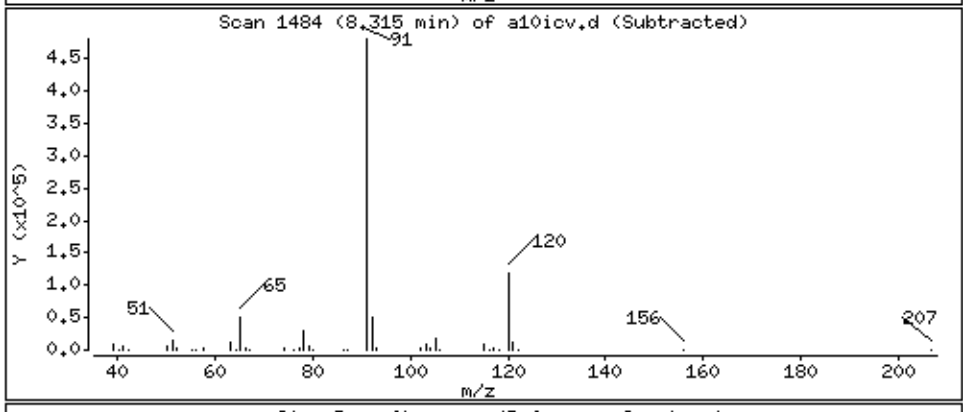
80 n-Propylbenzene

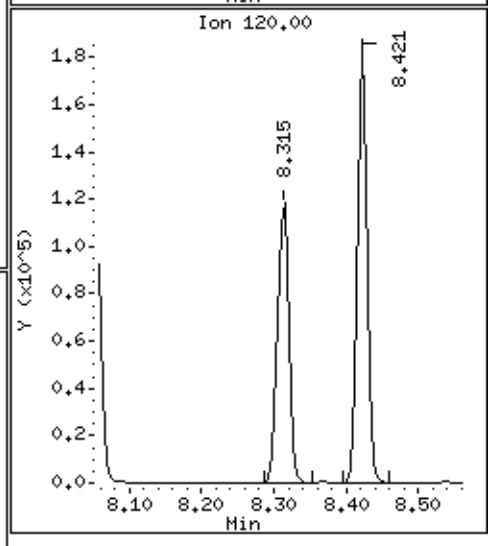
Concentration: 50.0 ppb

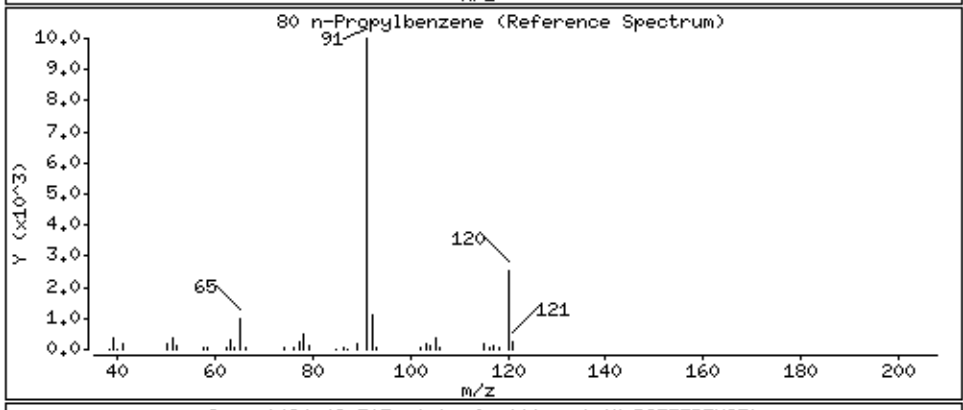
Review Code:

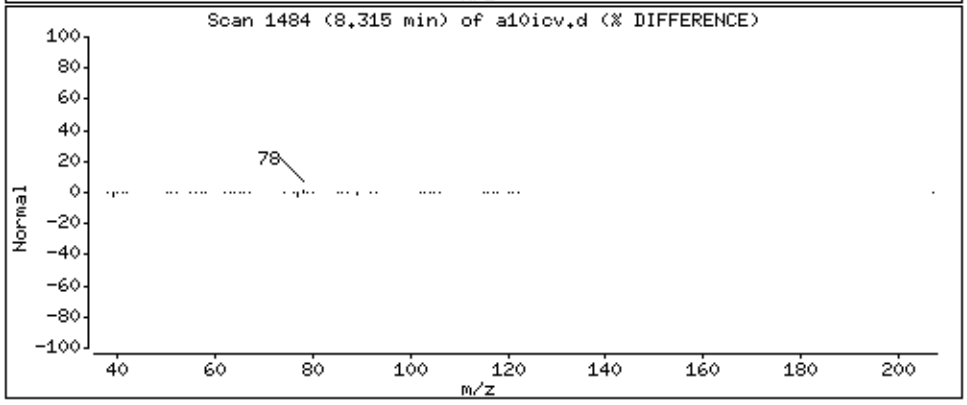












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

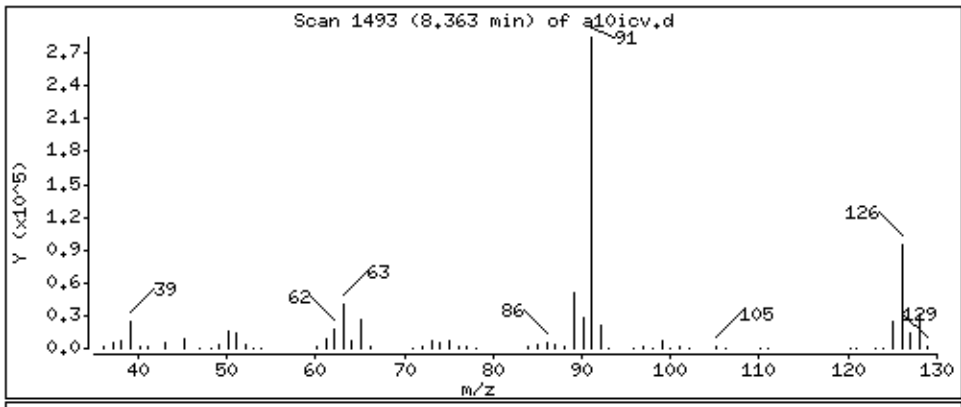
Column phase: DB-624

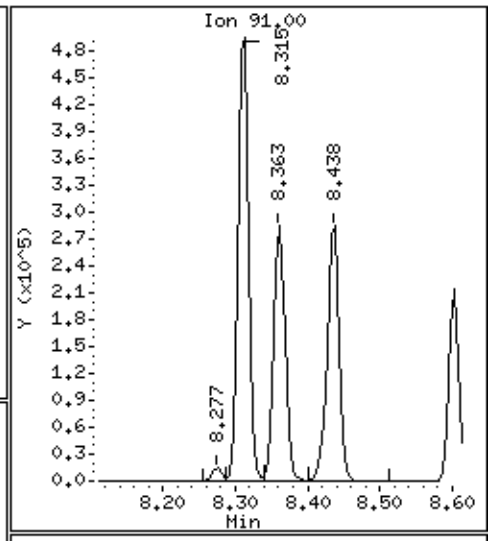
Column diameter: 0.18

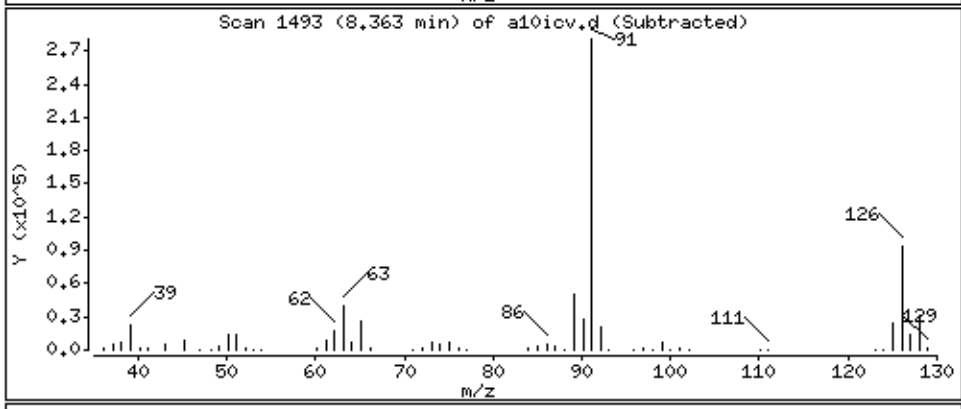
81 2-Chlorotoluene

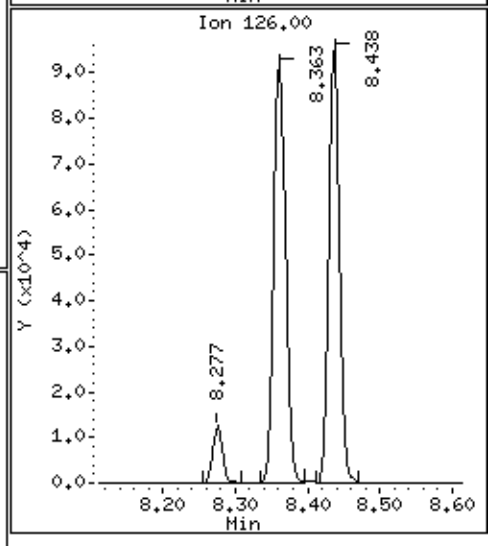
Concentration: 49.6 ppb

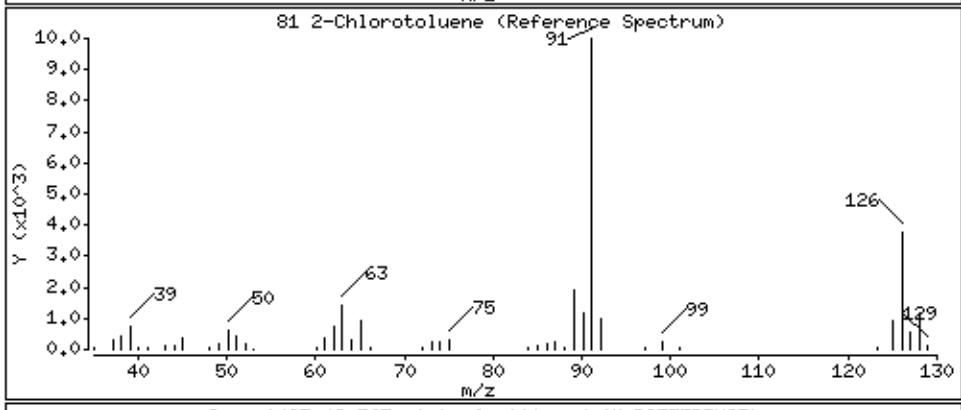
Review Code:

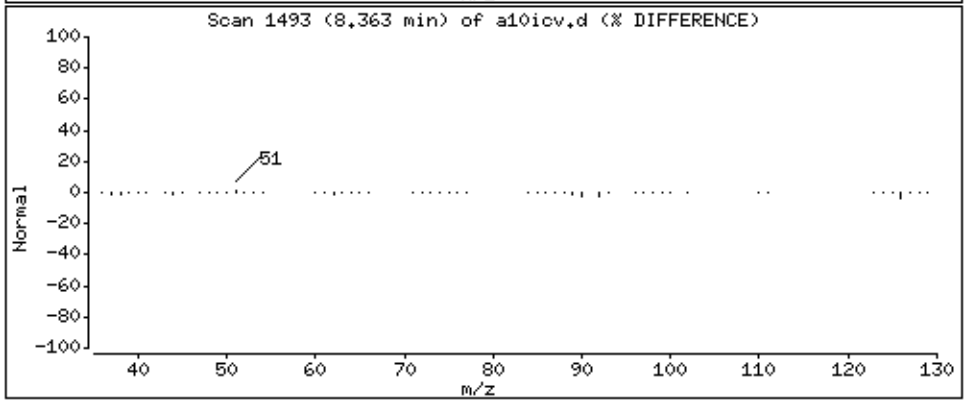












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

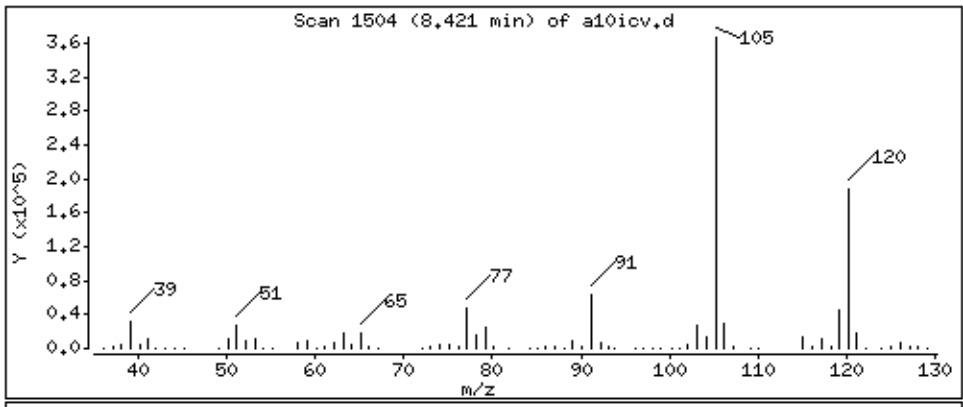
Column phase: DB-624

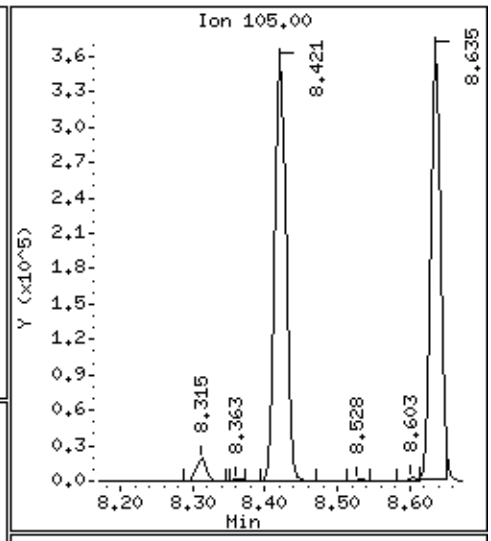
Column diameter: 0.18

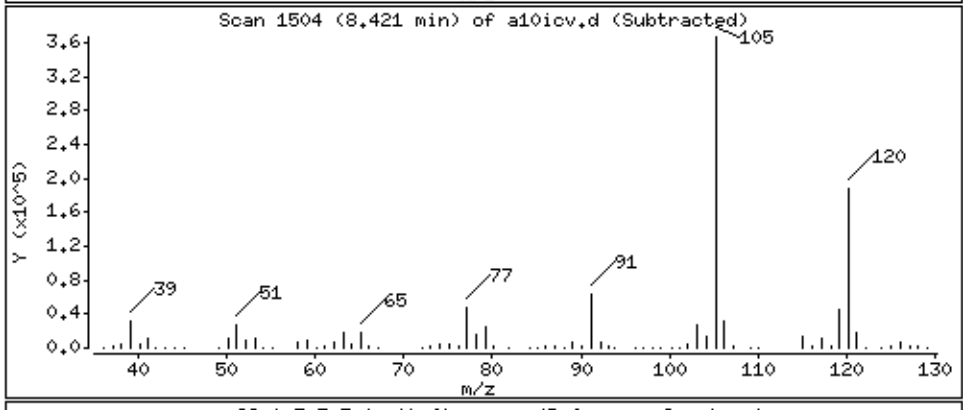
82 1,3,5-Trimethylbenzene

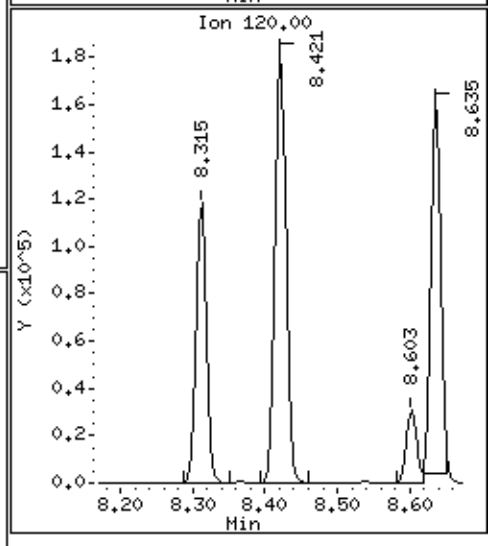
Concentration: 50.0 ppb

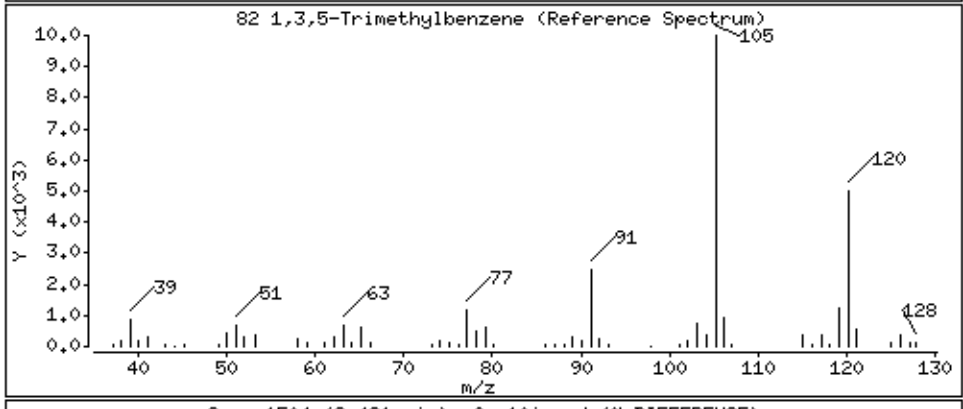
Review Code:

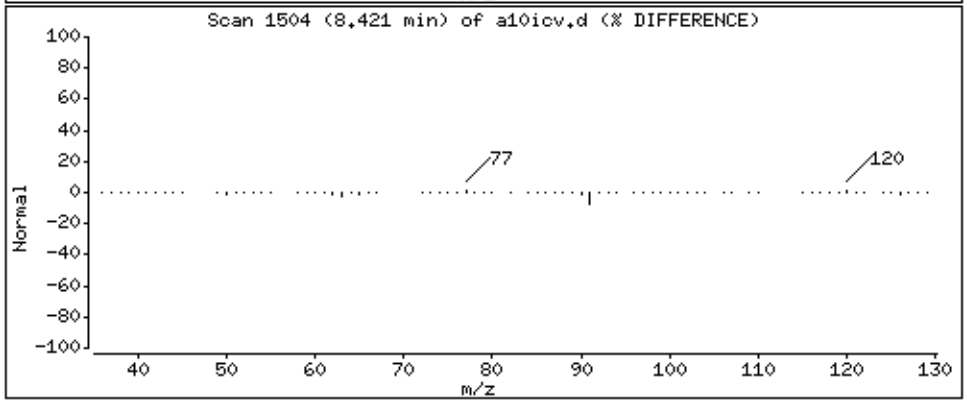












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

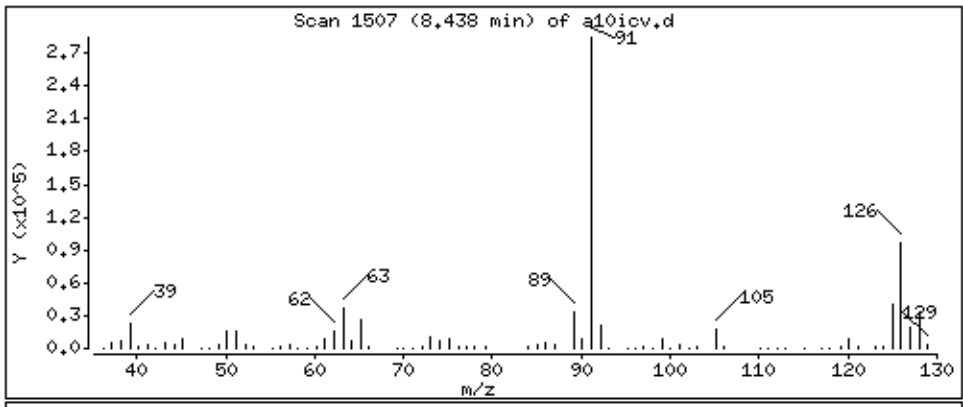
Column phase: DB-624

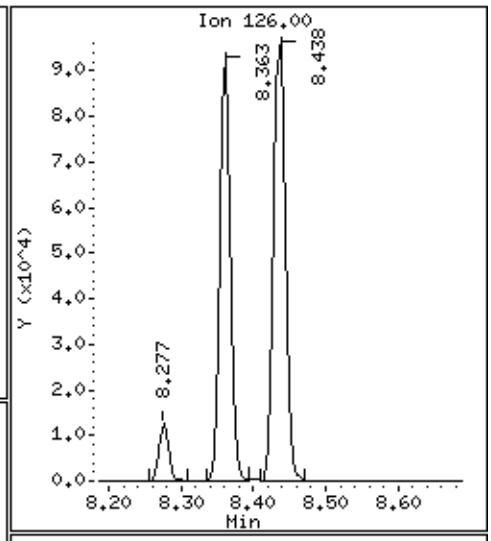
Column diameter: 0.18

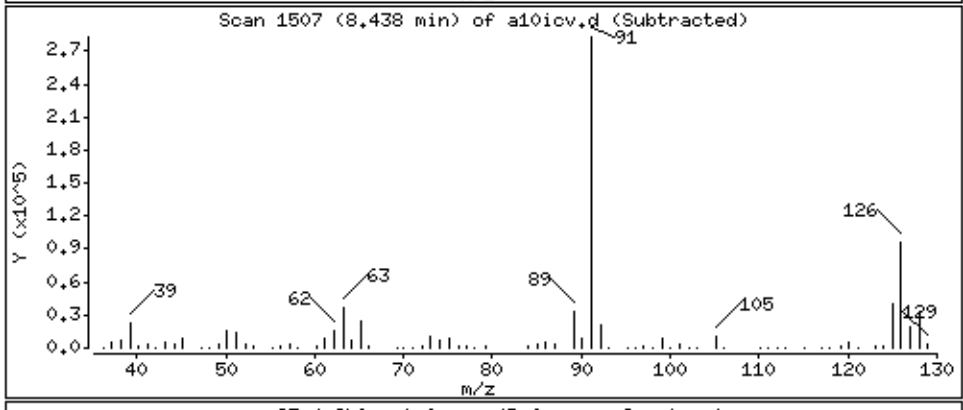
83 4-Chlorotoluene

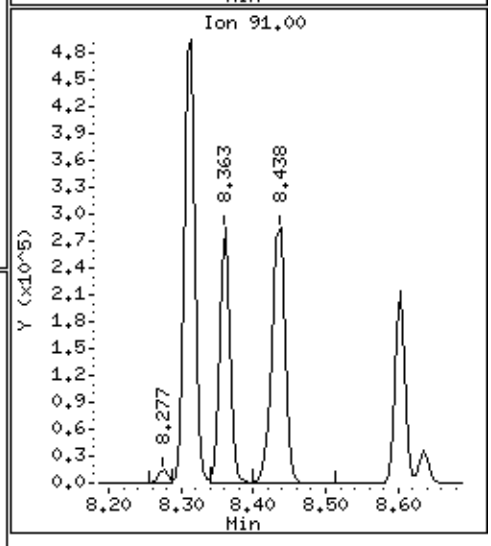
Concentration: 48.8 ppb

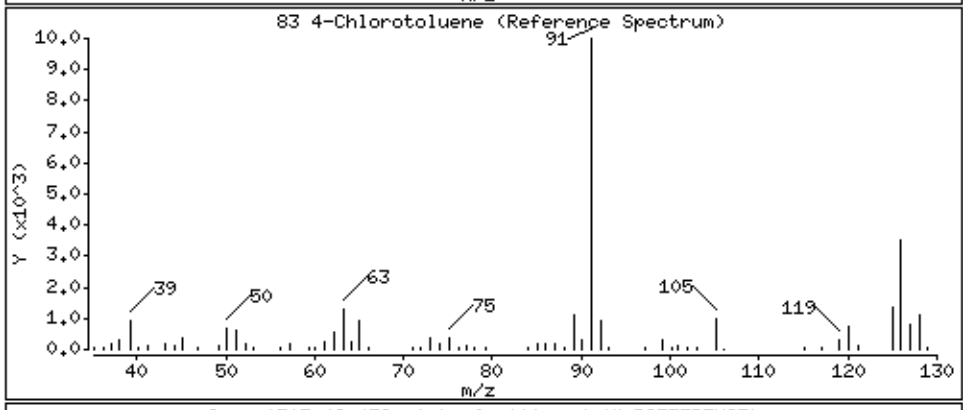
Review Code:

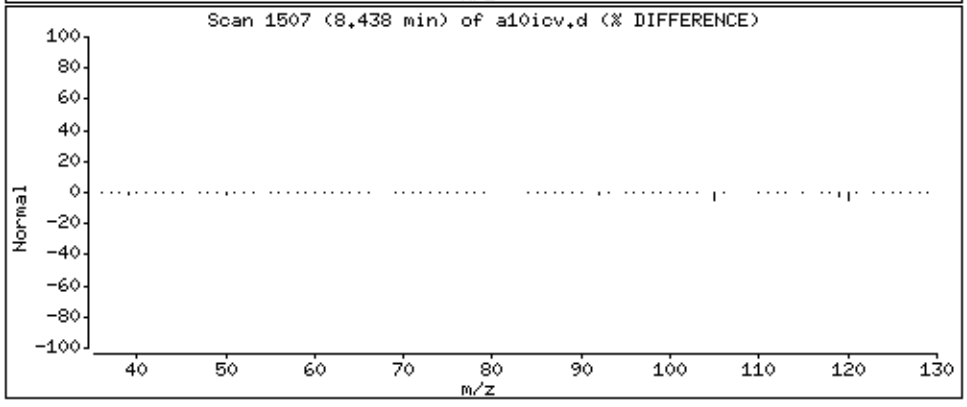












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

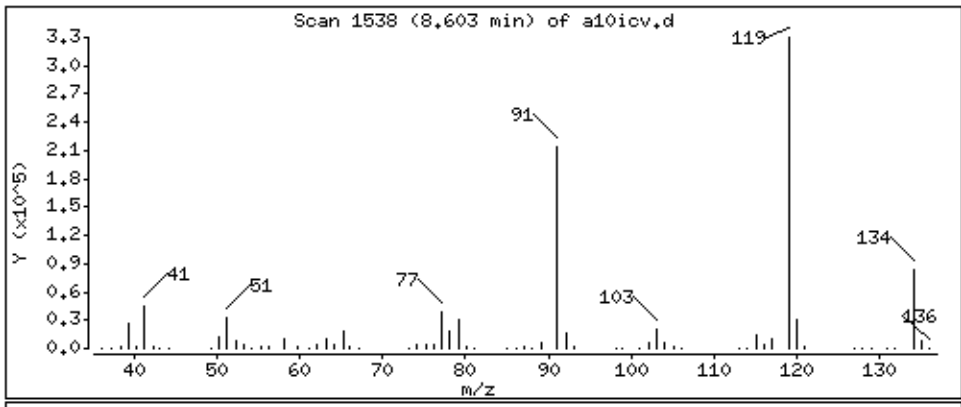
Column phase: DB-624

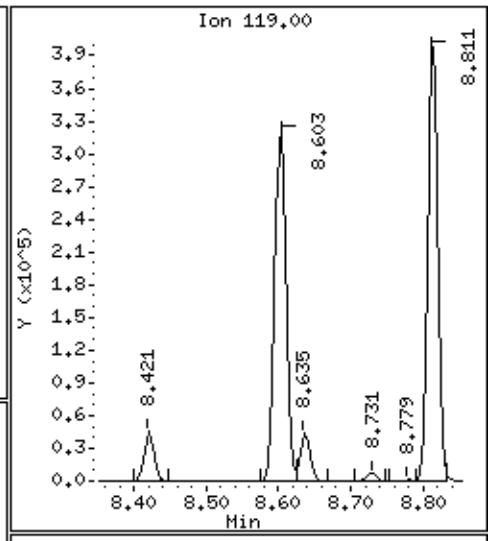
Column diameter: 0.18

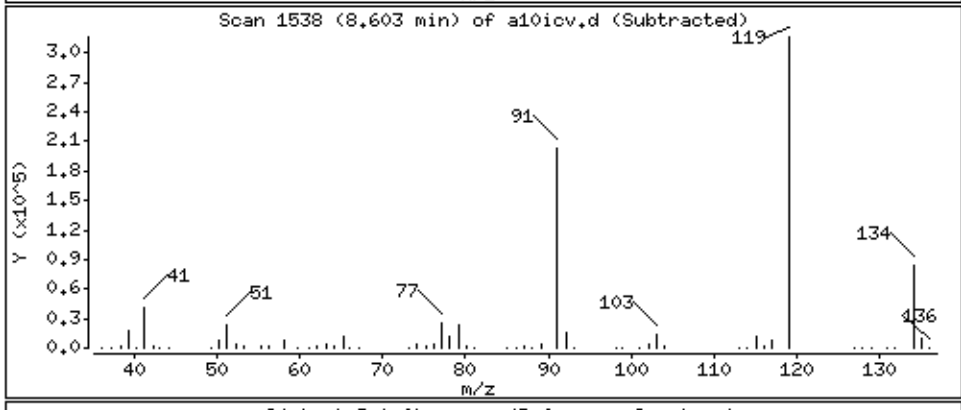
84 tert-Butylbenzene

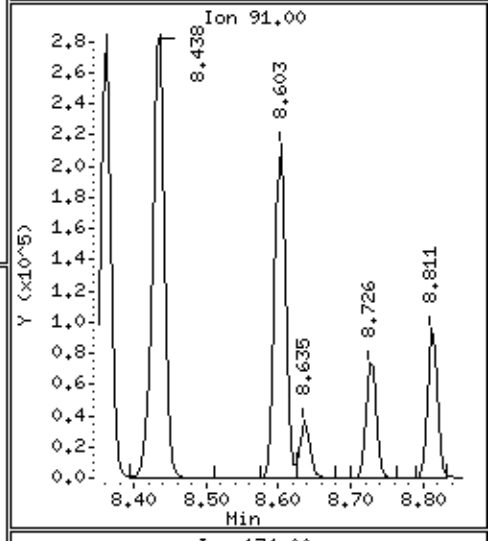
Concentration: 40.3 ppb

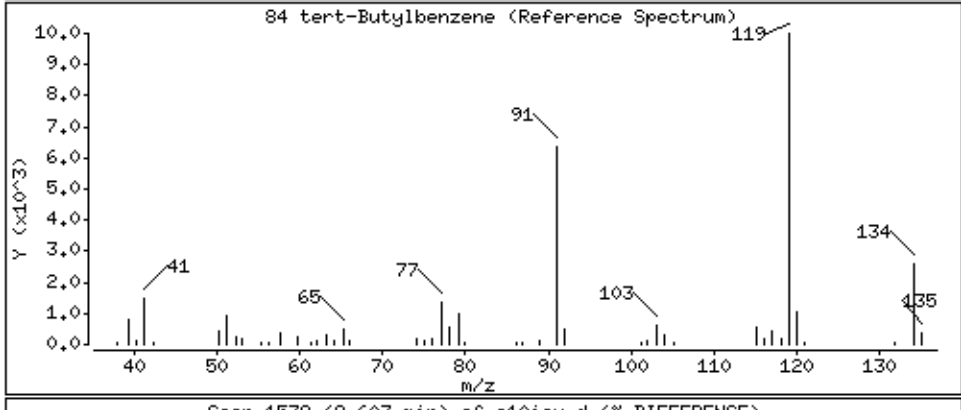
Review Code:

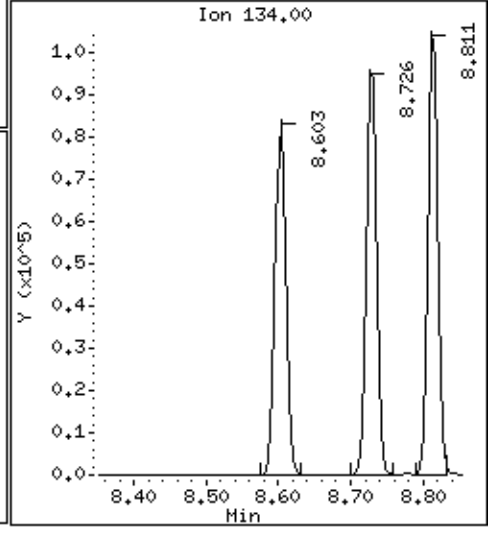


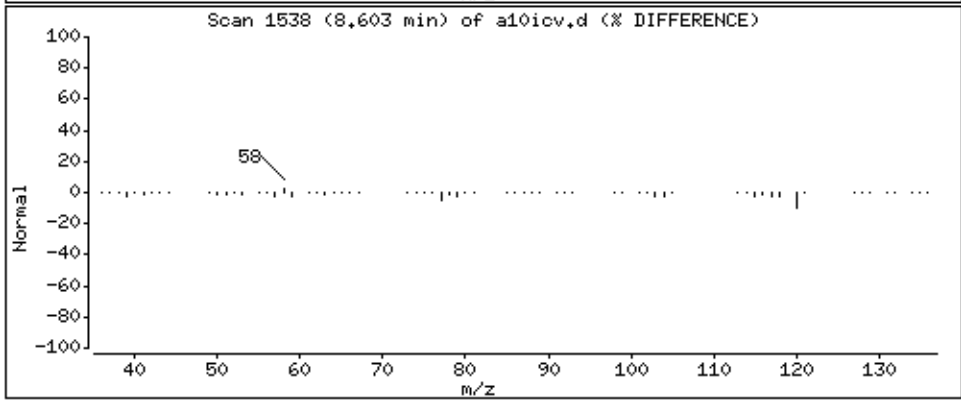












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

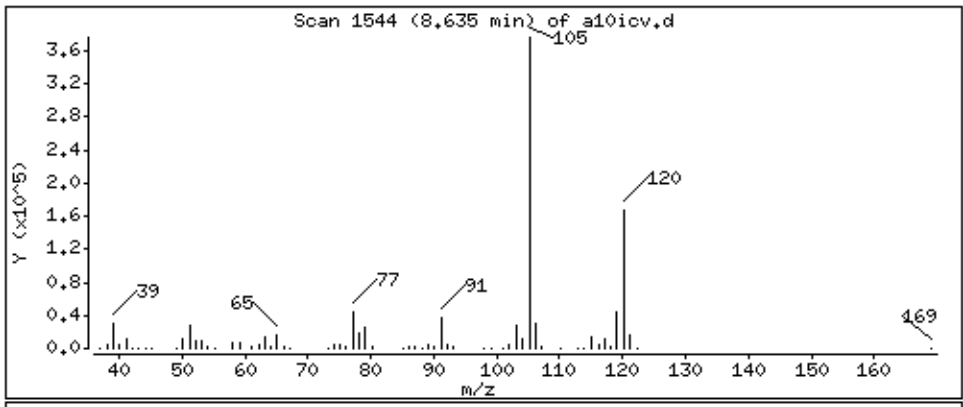
Column phase: DB-624

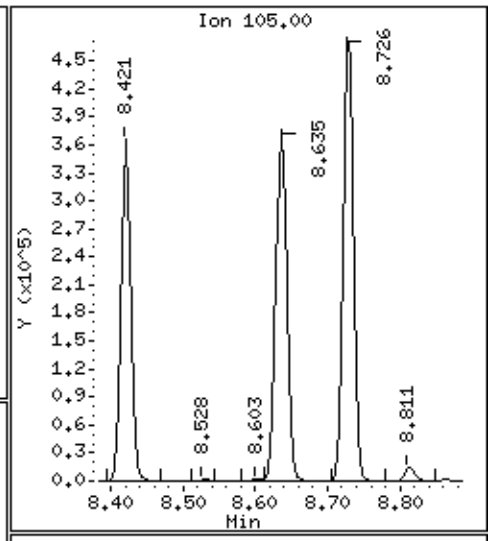
Column diameter: 0.18

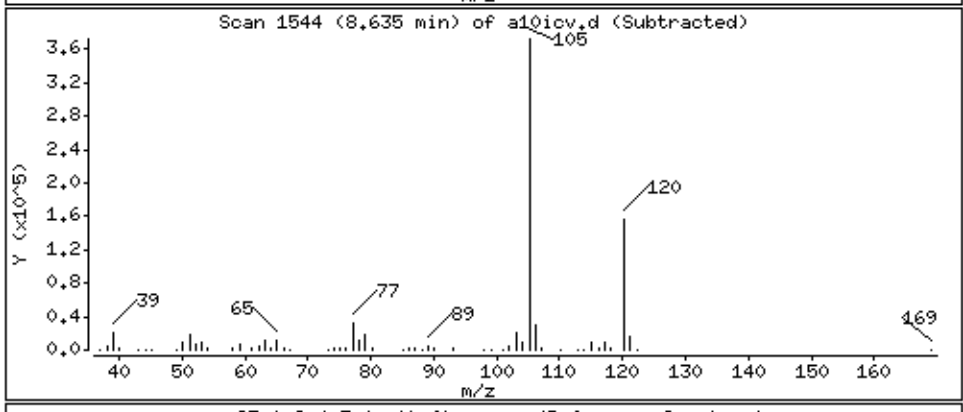
85 1,2,4-Trimethylbenzene

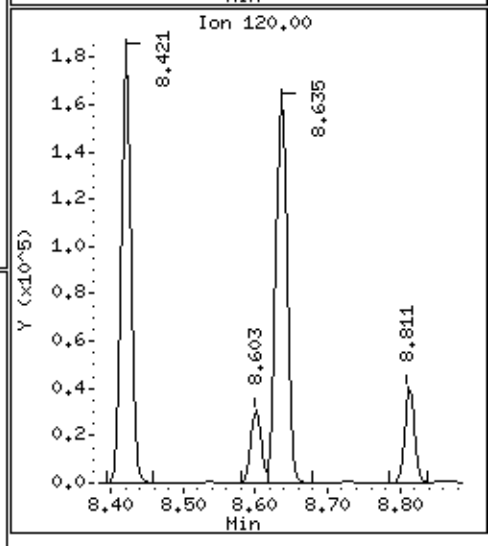
Concentration: 51.4 ppb

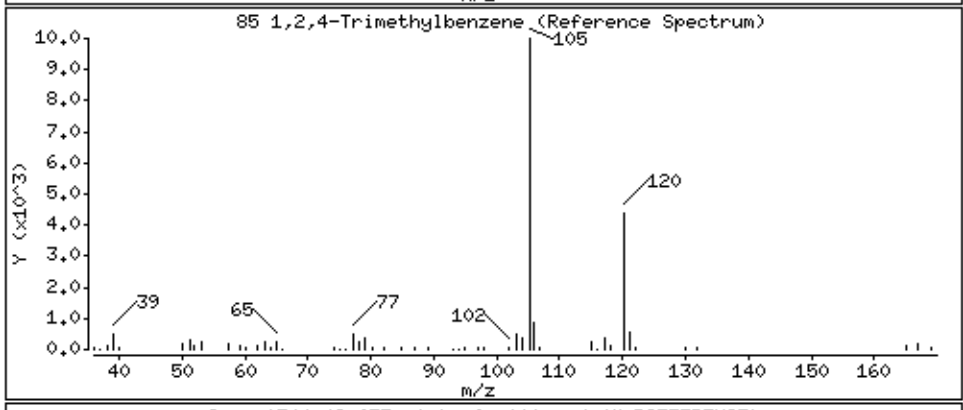
Review Code:

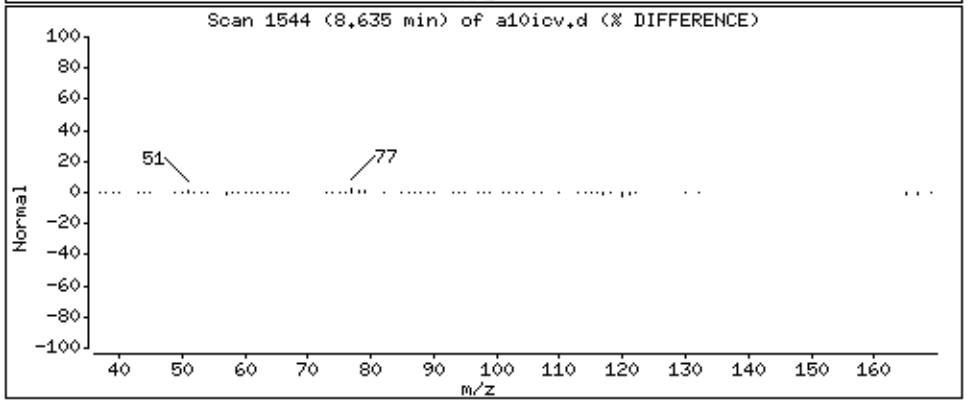












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

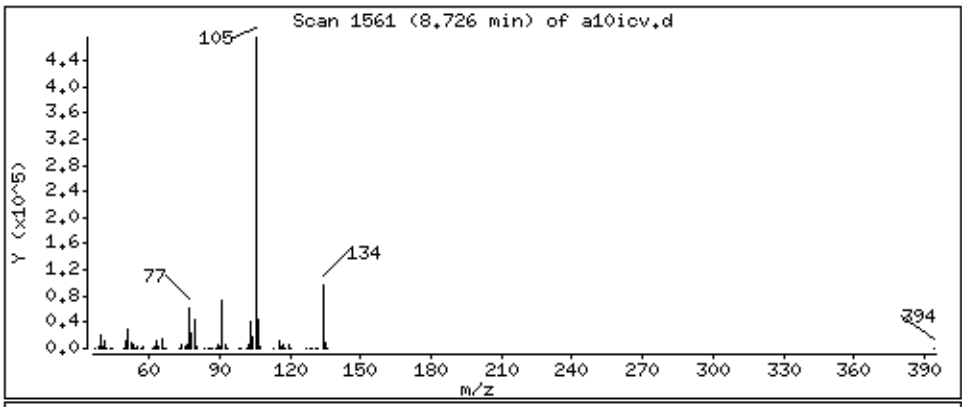
Column phase: DB-624

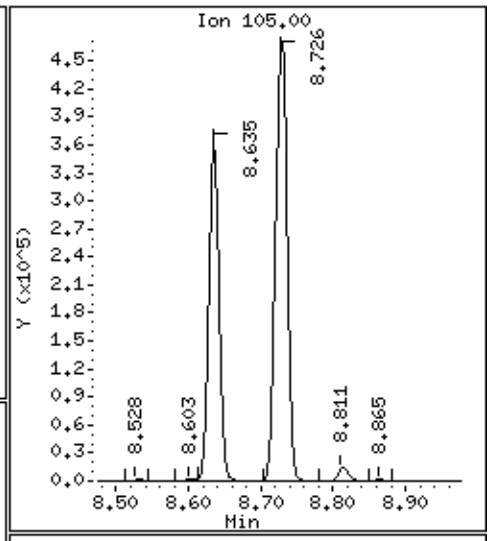
Column diameter: 0.18

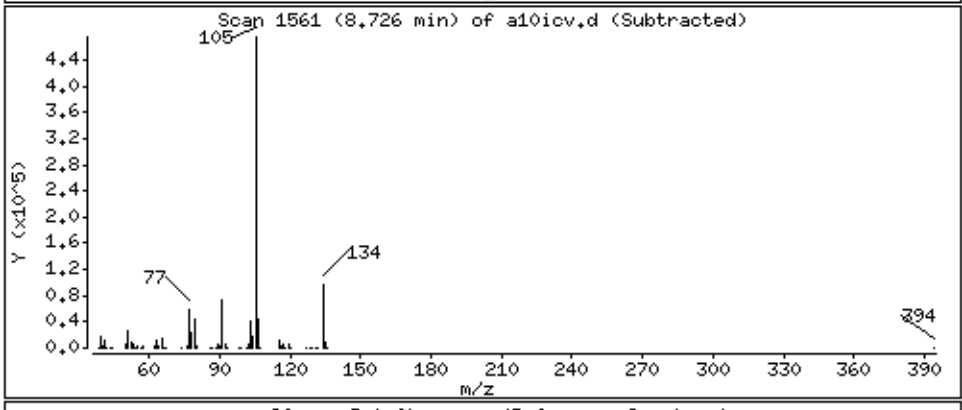
86 sec-Butylbenzene

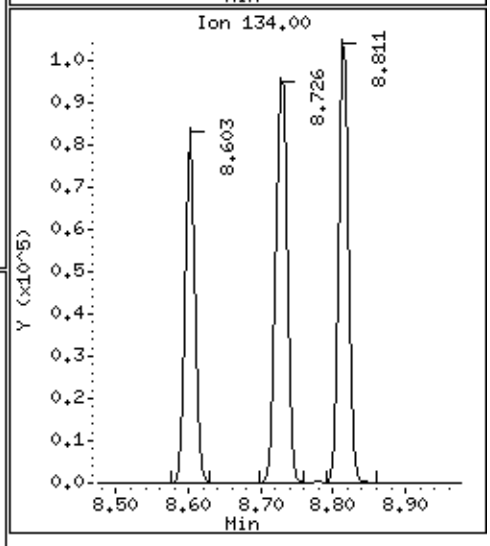
Concentration: 50.8 ppb

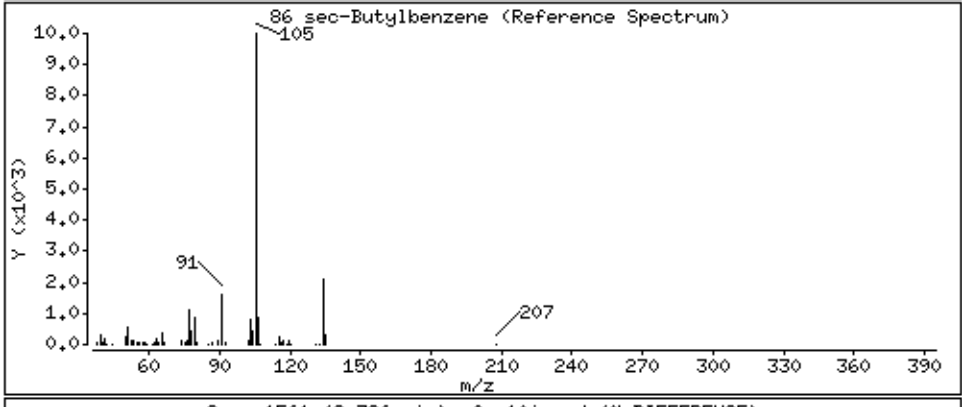
Review Code:

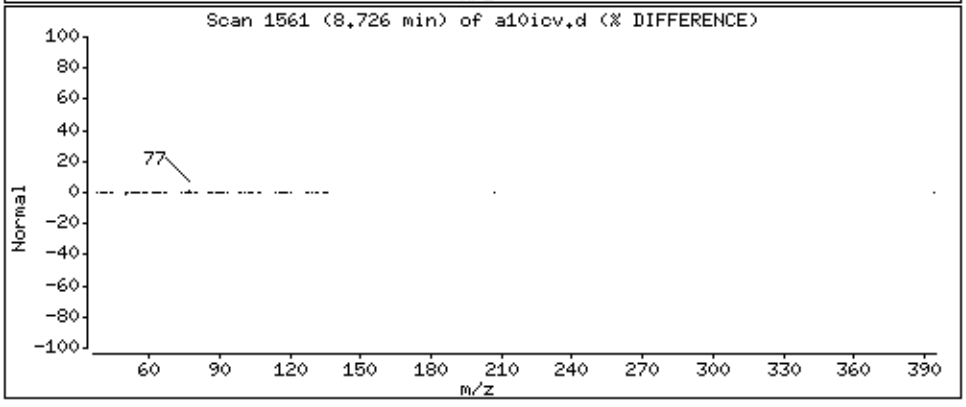












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

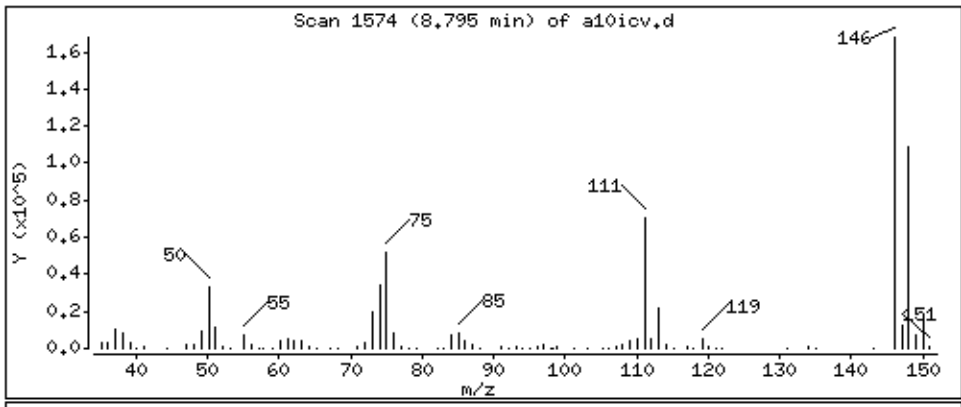
Column phase: DB-624

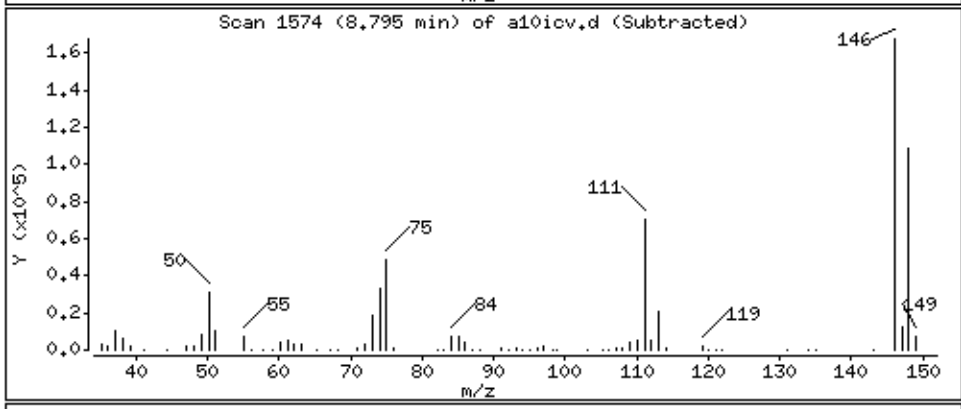
Column diameter: 0.18

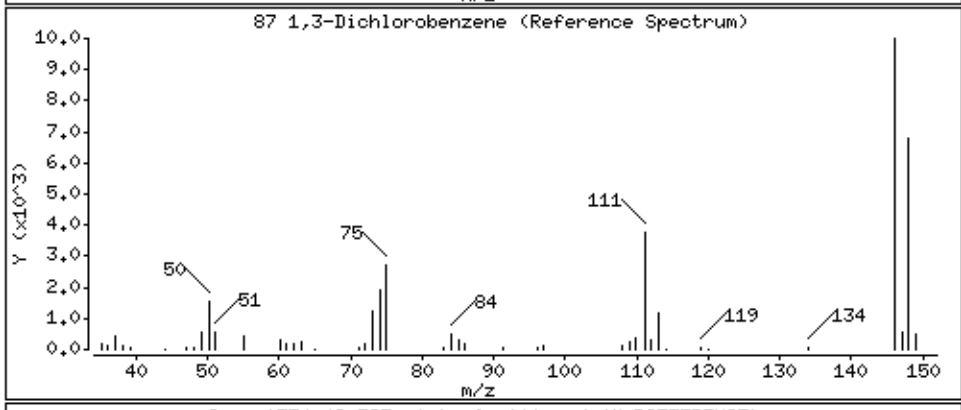
87 1,3-Dichlorobenzene

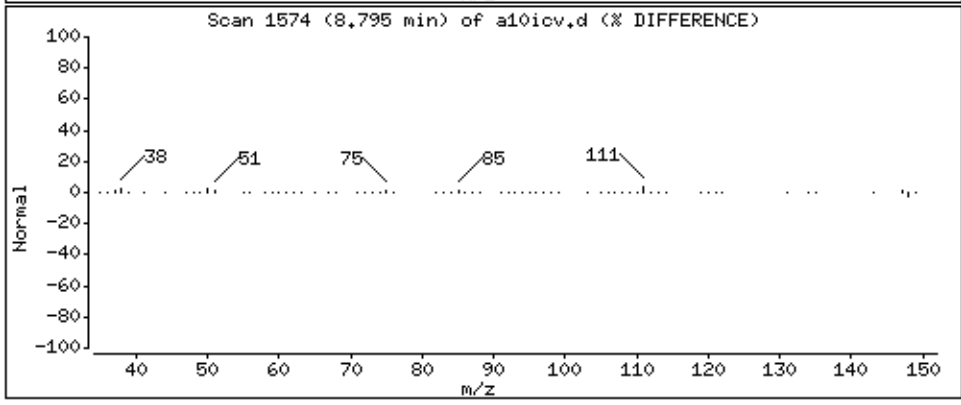
Concentration: 45.7 ppb

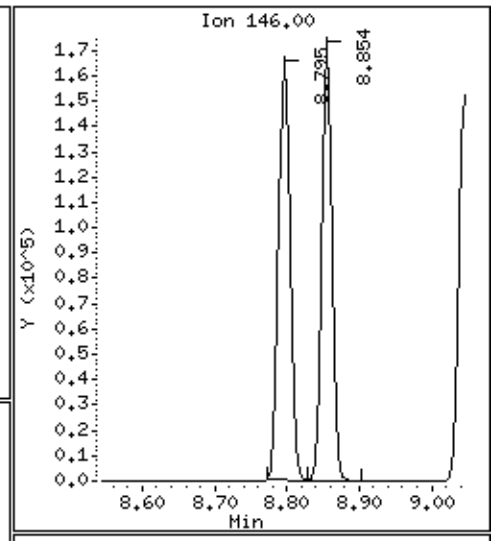
Review Code:

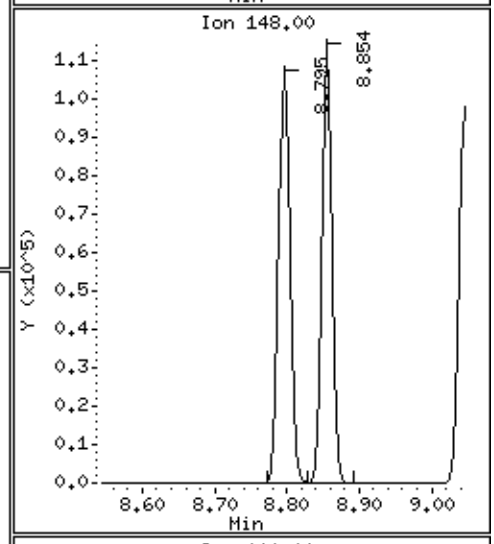


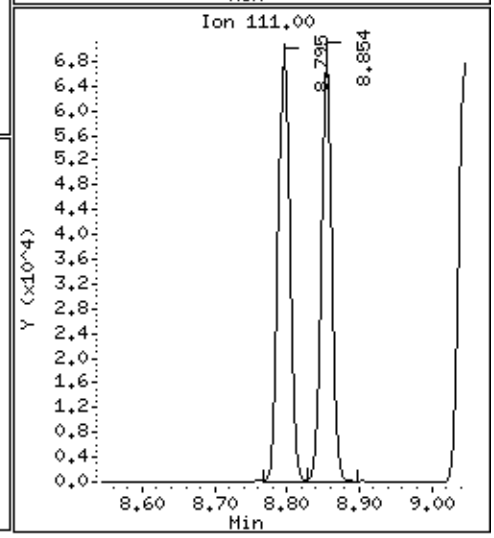












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

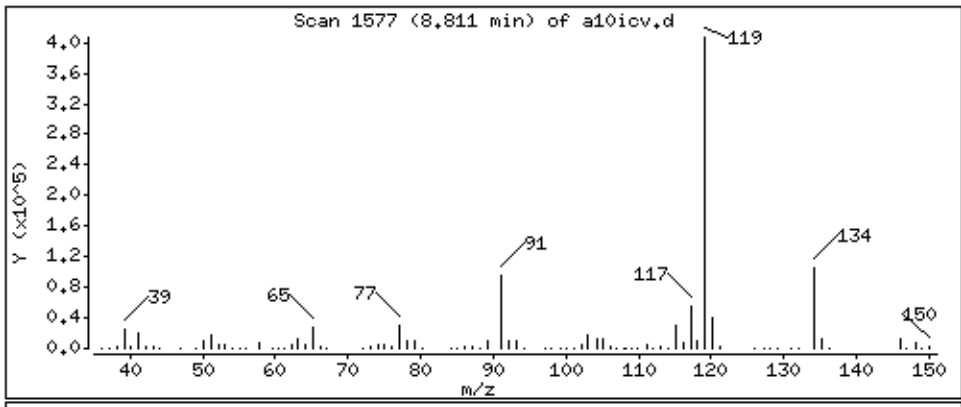
Column phase: DB-624

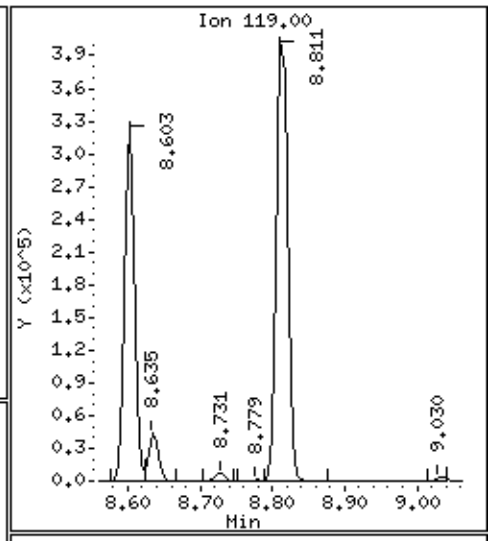
Column diameter: 0.18

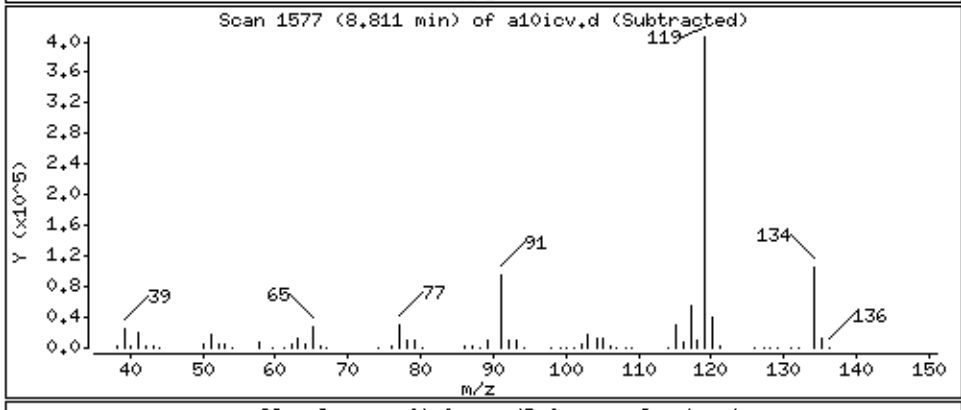
88 p-Isopropyltoluene

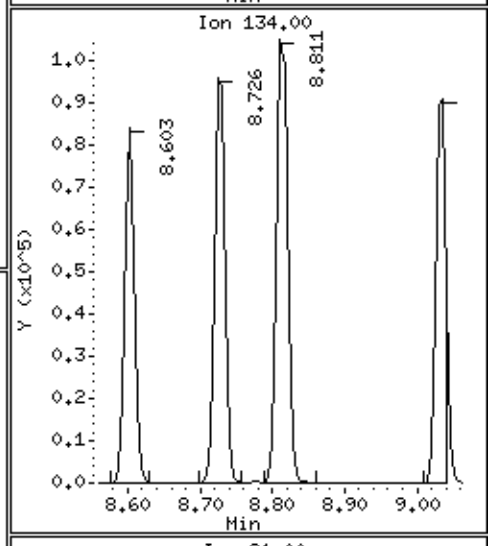
Concentration: 50.2 ppb

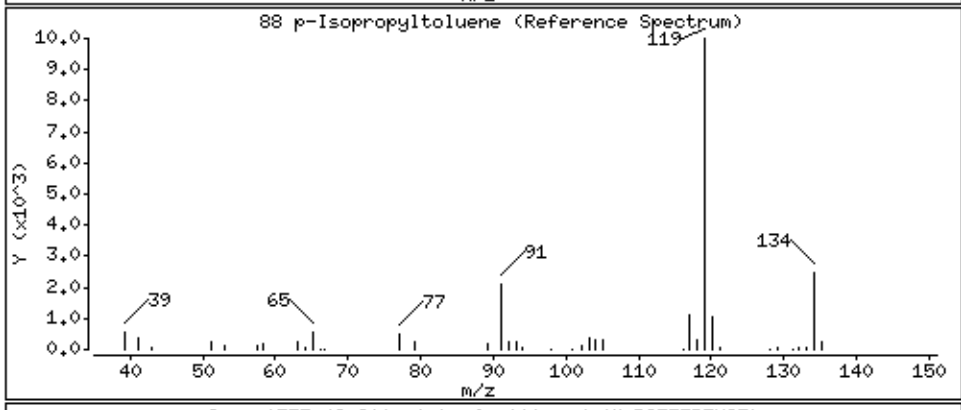
Review Code:

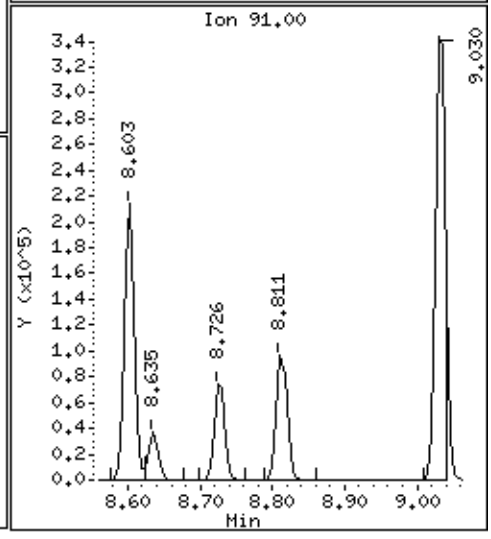


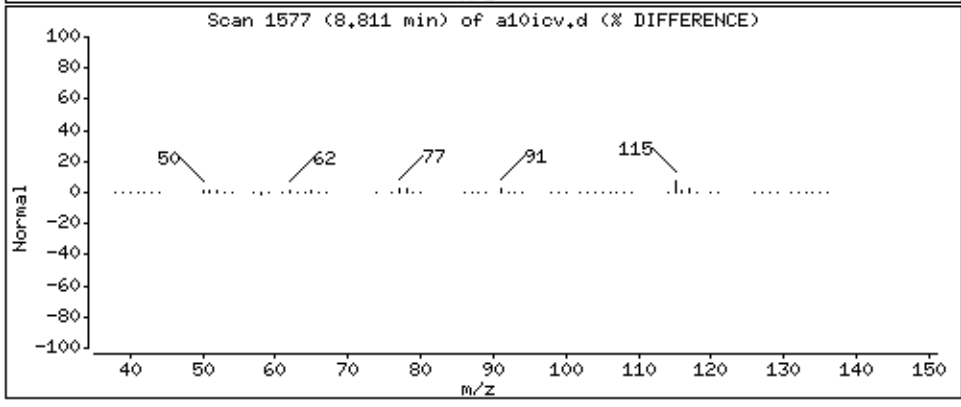












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

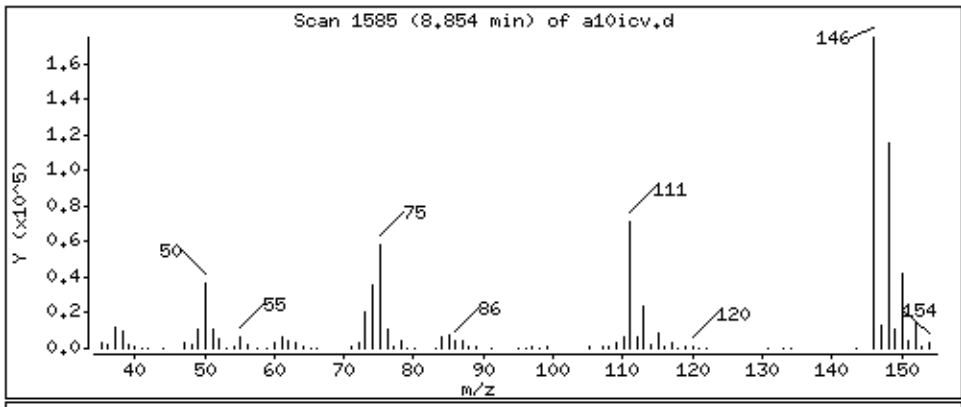
Column phase: DB-624

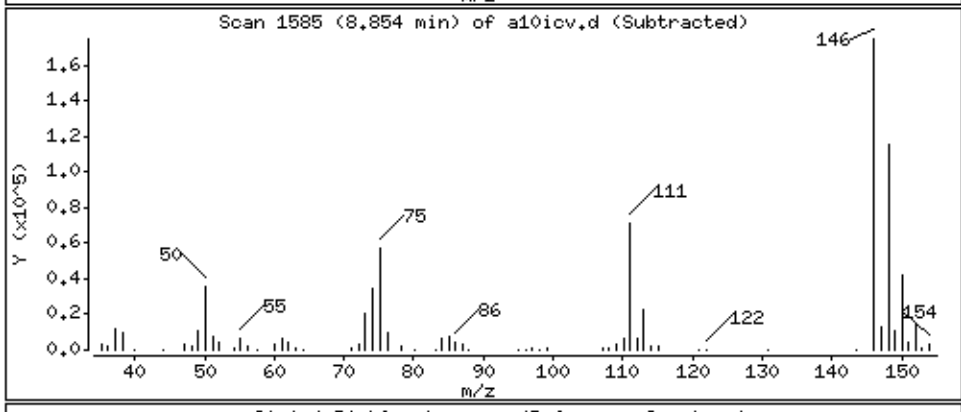
Column diameter: 0.18

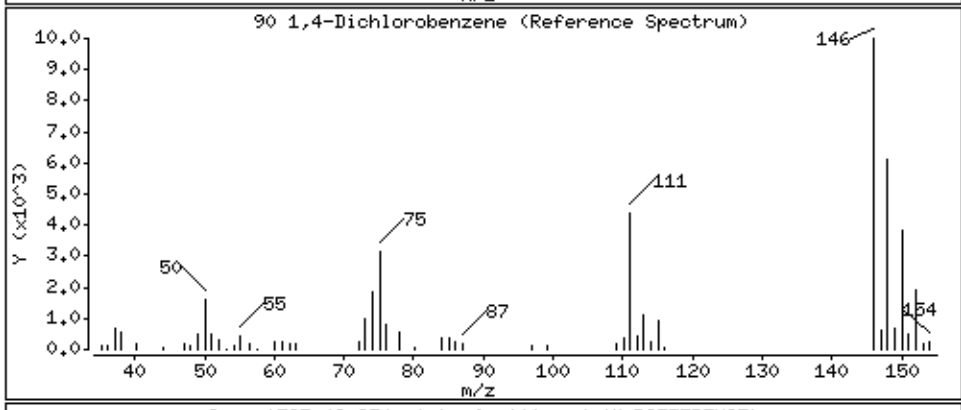
90 1,4-Dichlorobenzene

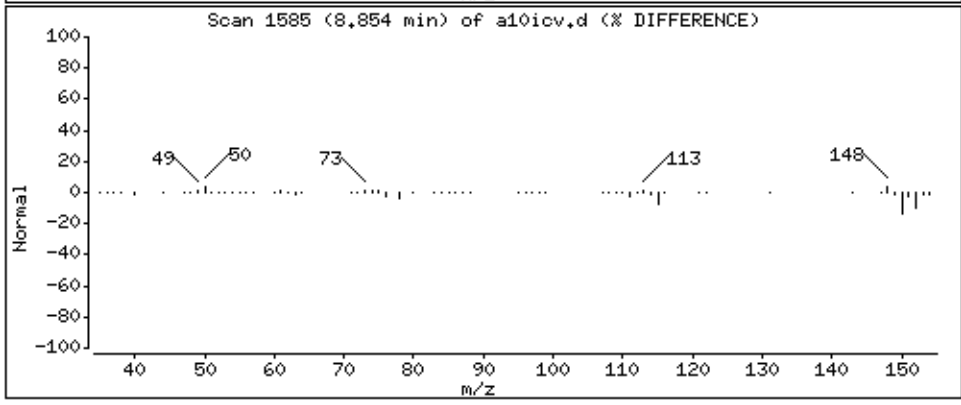
Concentration: 45.3 ppb

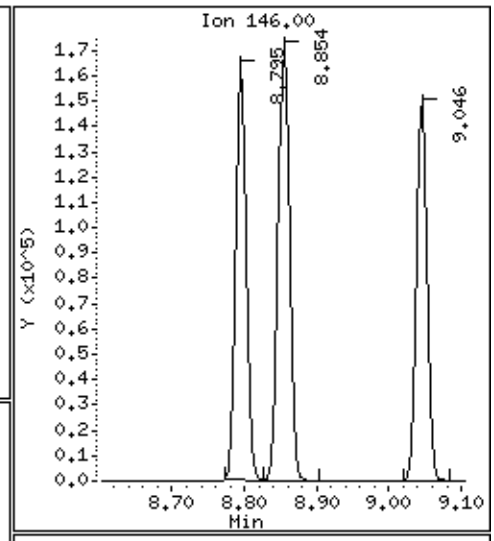
Review Code:

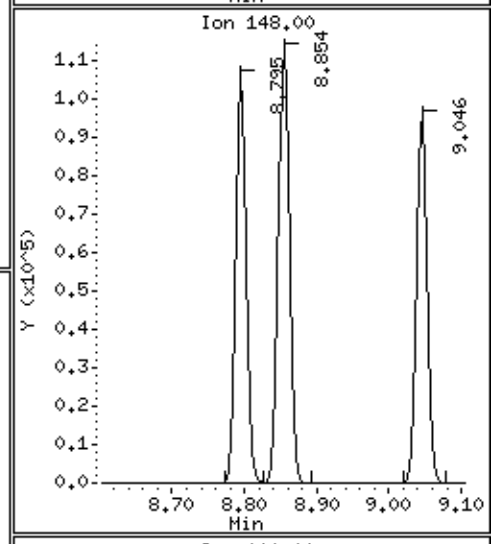


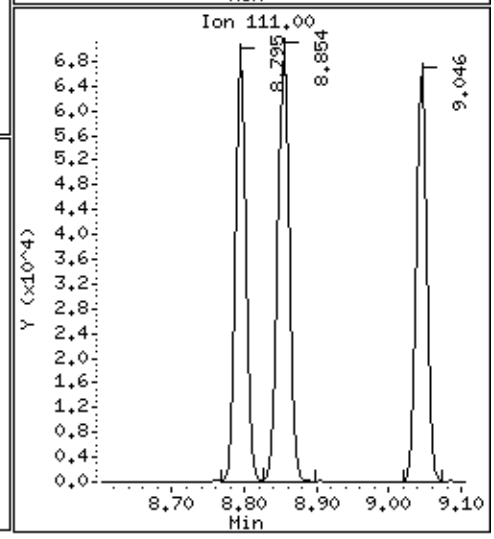












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

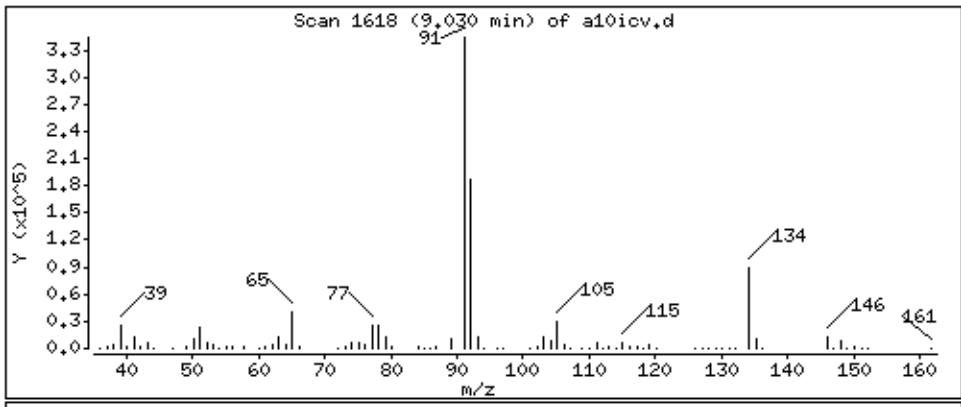
Column phase: DB-624

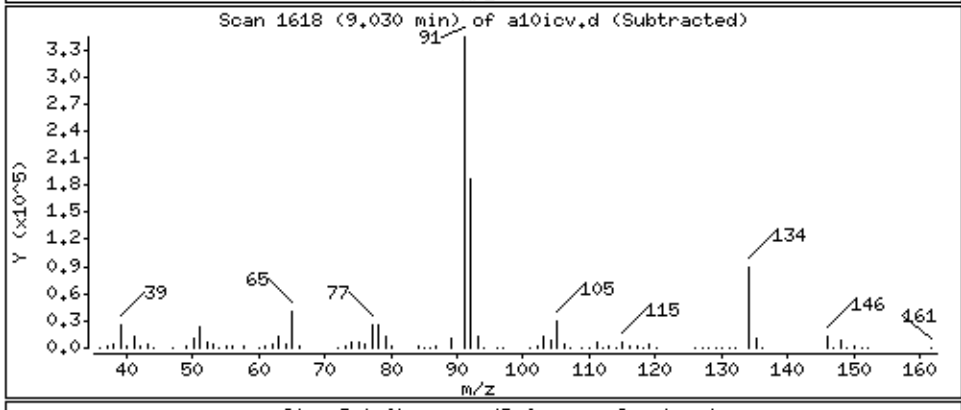
Column diameter: 0.18

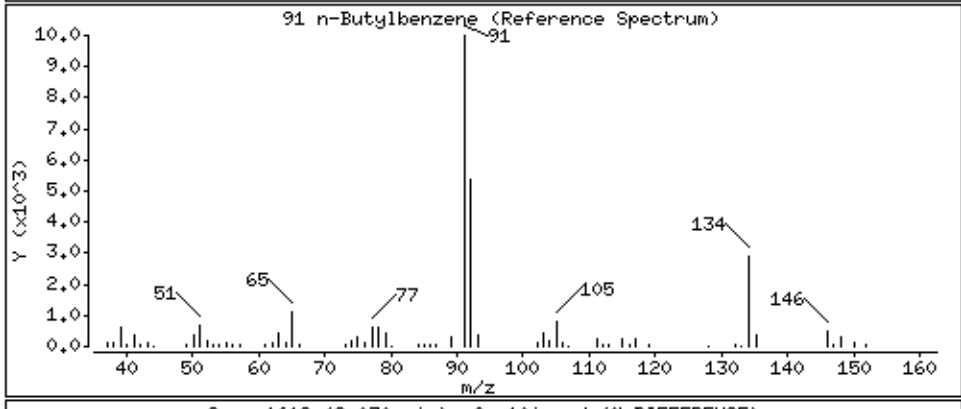
91 n-Butylbenzene

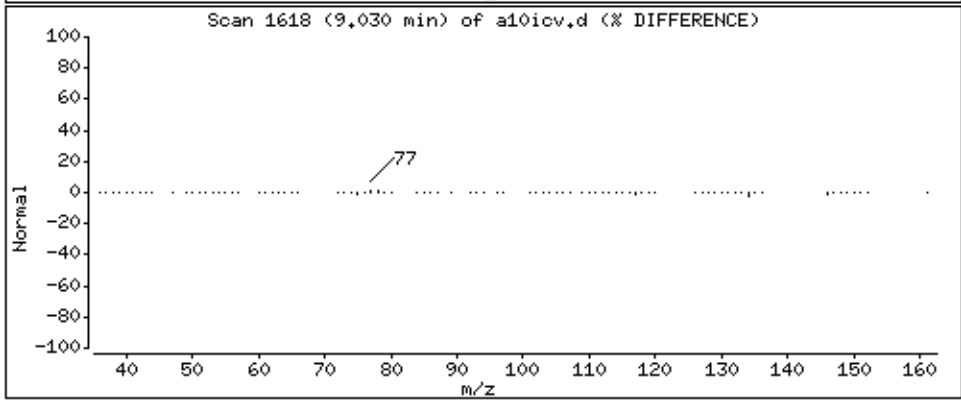
Concentration: 48.8 ppb

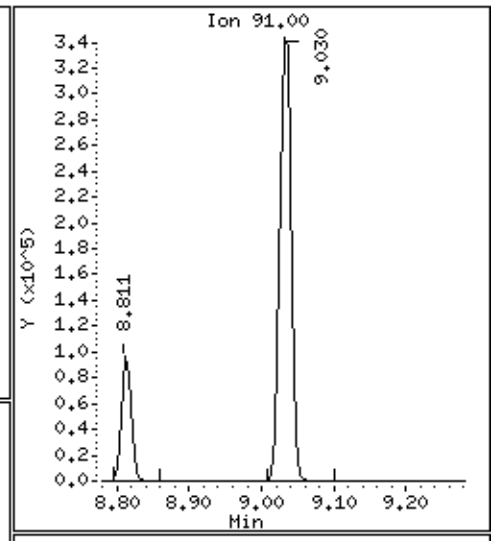
Review Code:

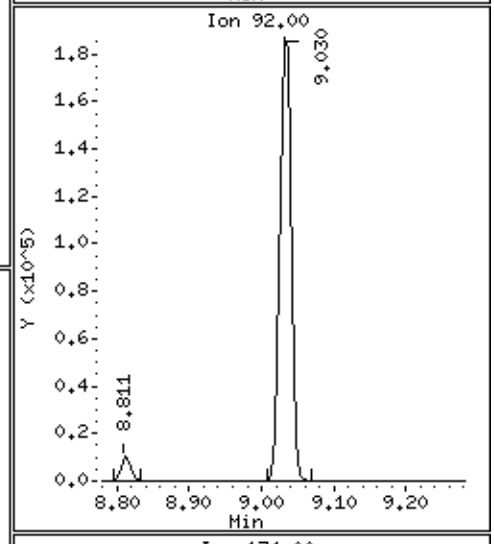


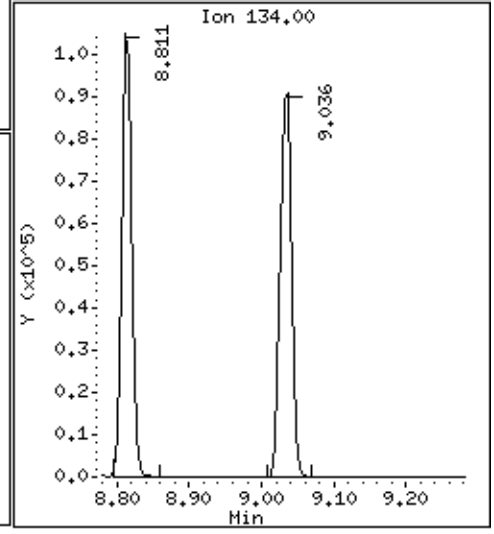












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

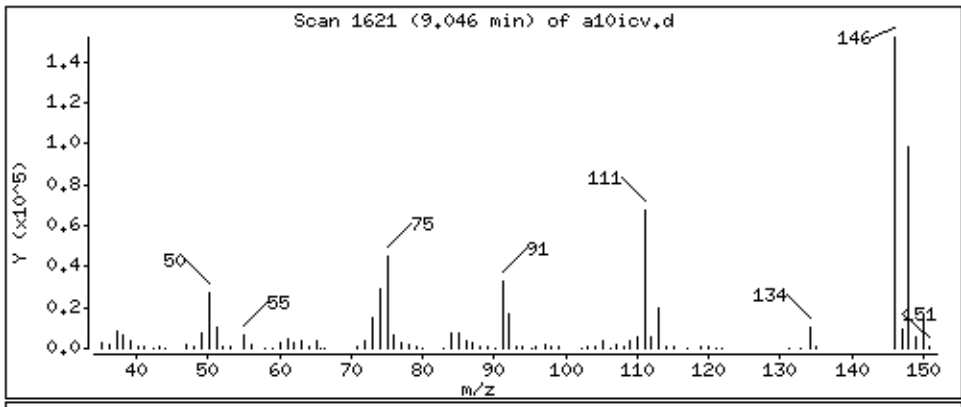
Column phase: DB-624

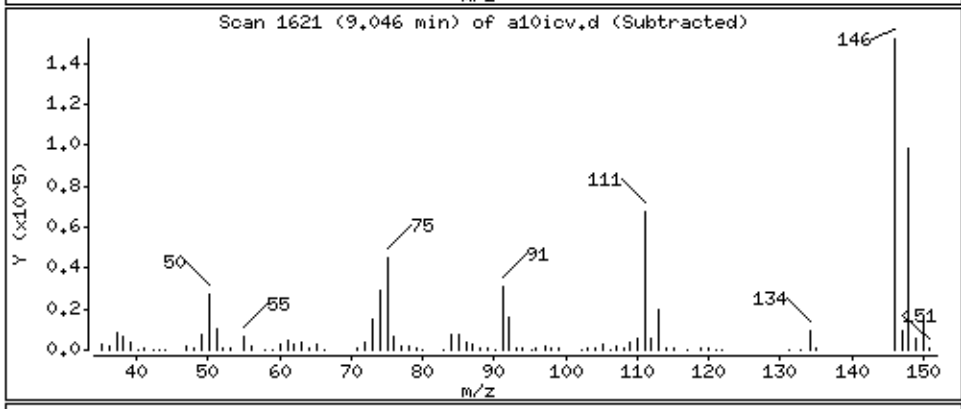
Column diameter: 0.18

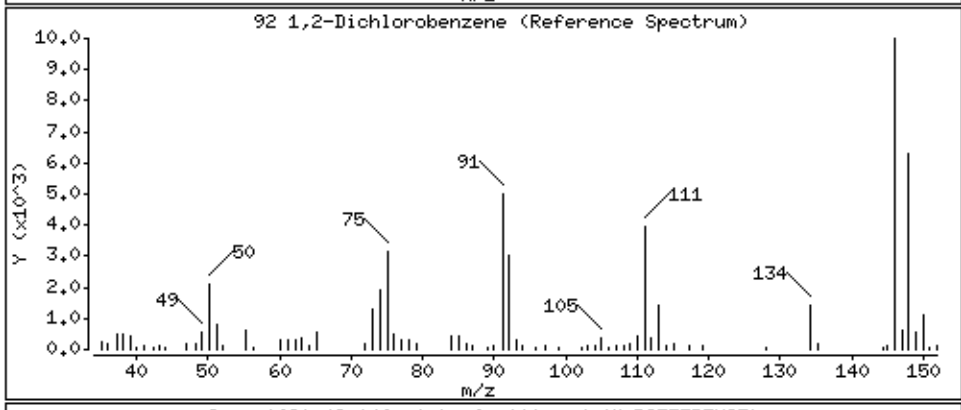
92 1,2-Dichlorobenzene

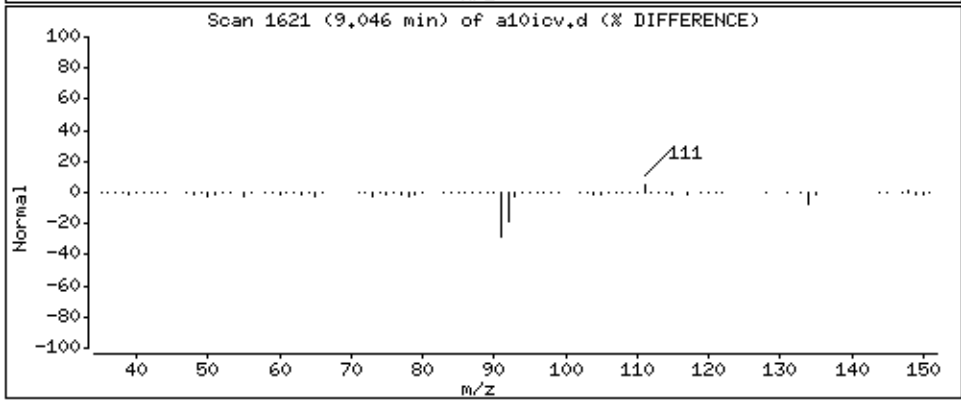
Concentration: 47.4 ppb

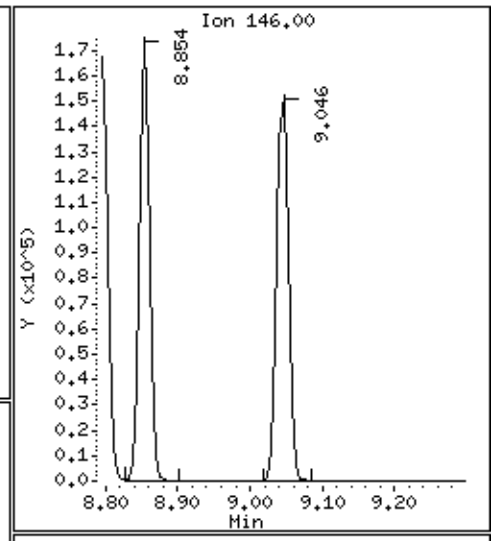
Review Code:

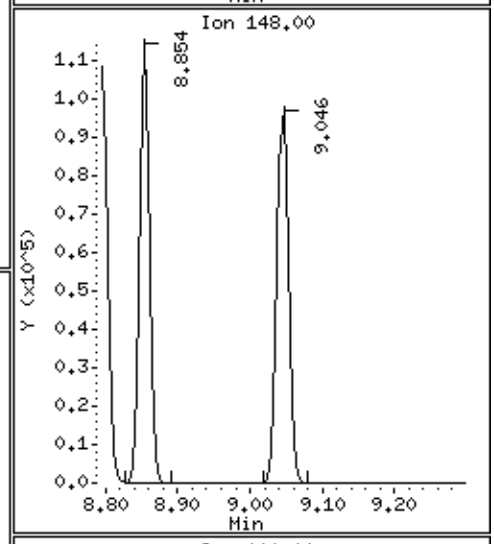


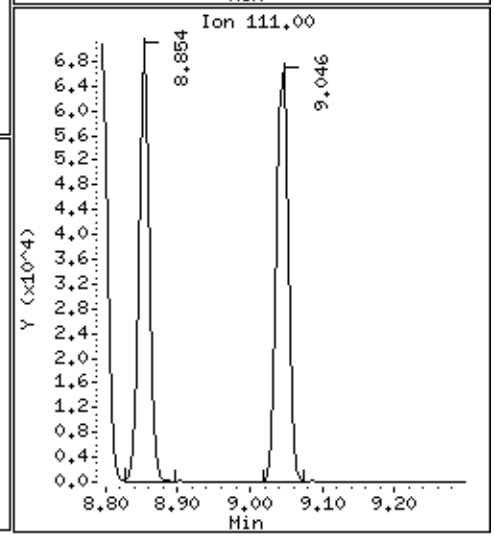












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

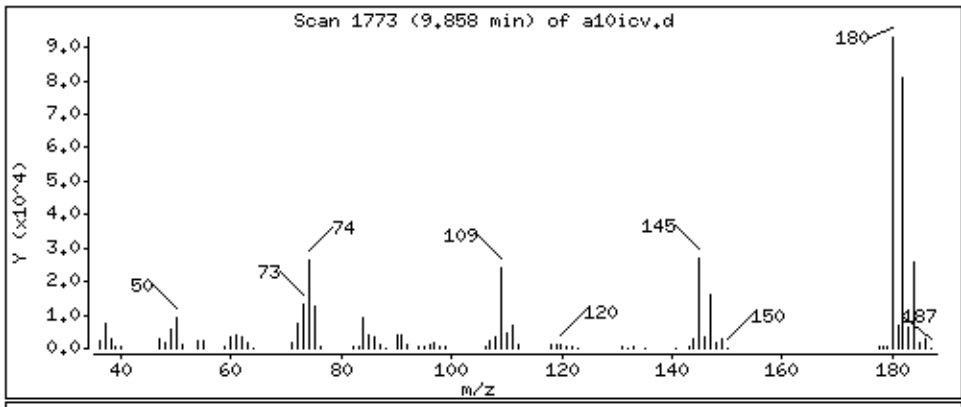
Column phase: DB-624

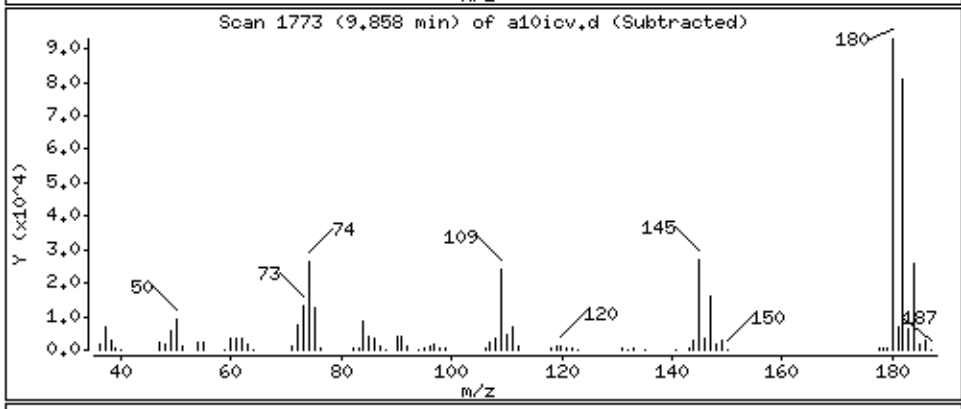
Column diameter: 0.18

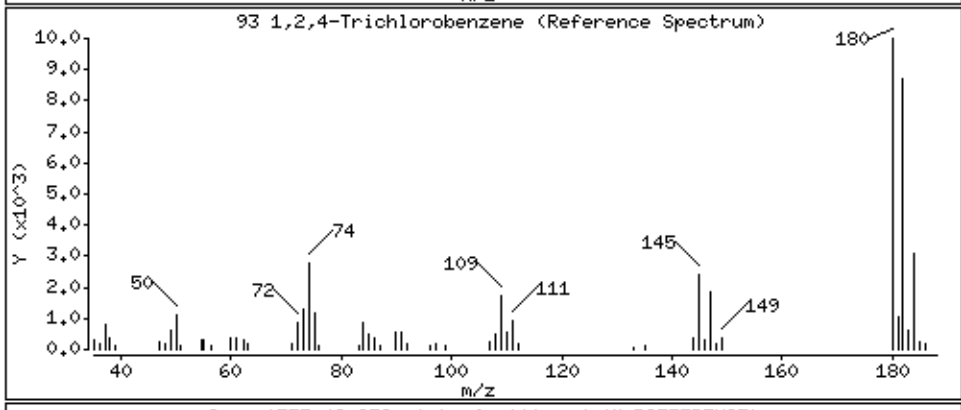
93 1,2,4-Trichlorobenzene

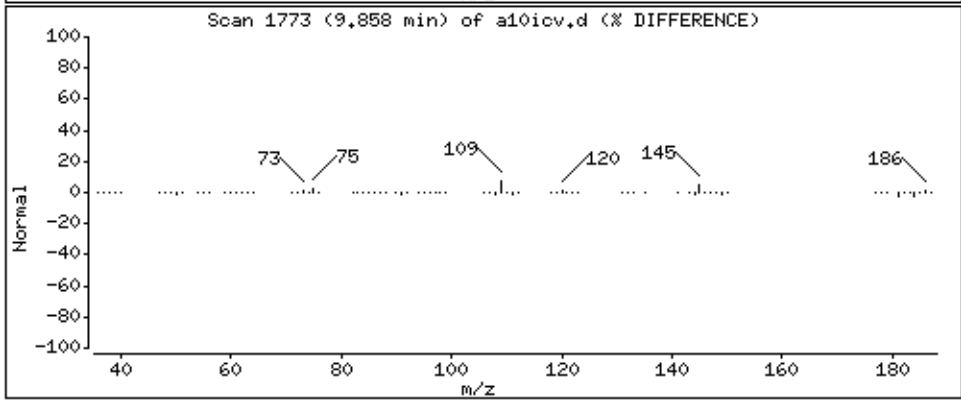
Concentration: 43.9 ppb

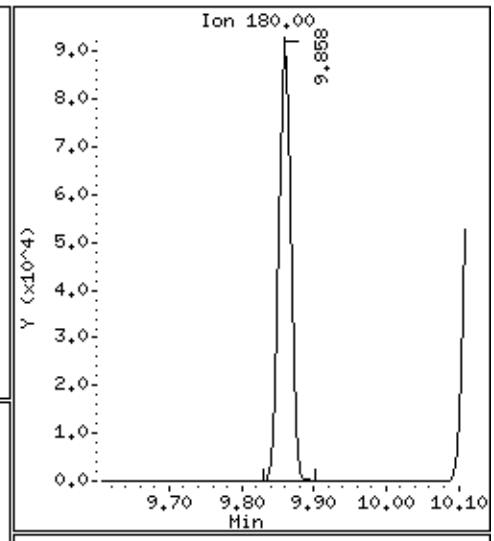
Review Code:

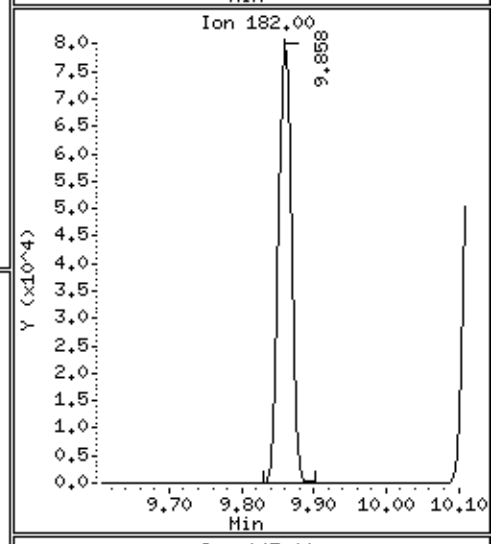


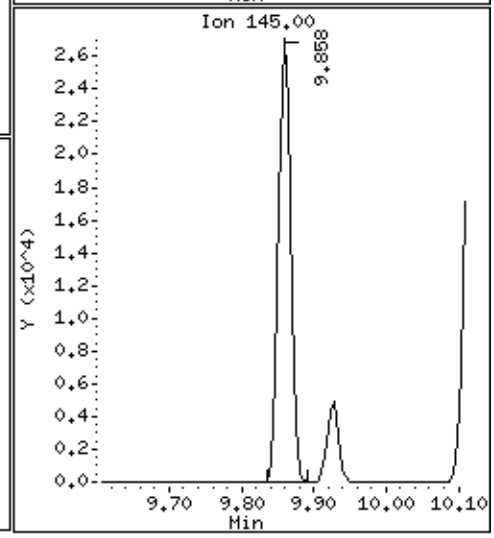












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

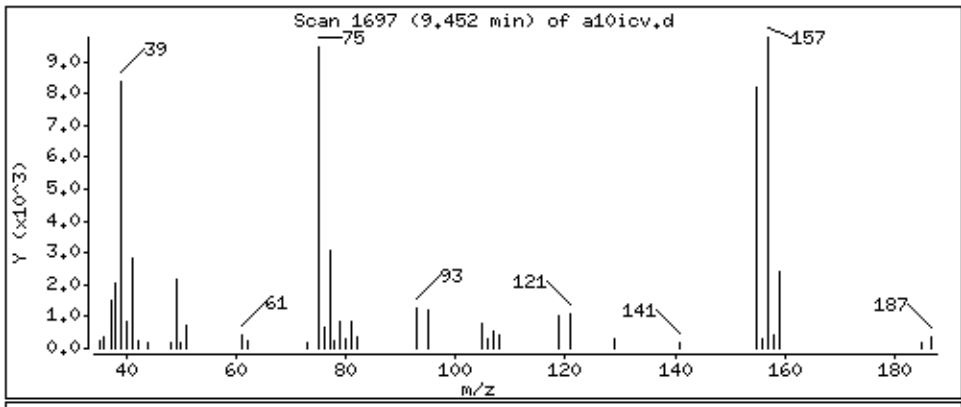
Column phase: DB-624

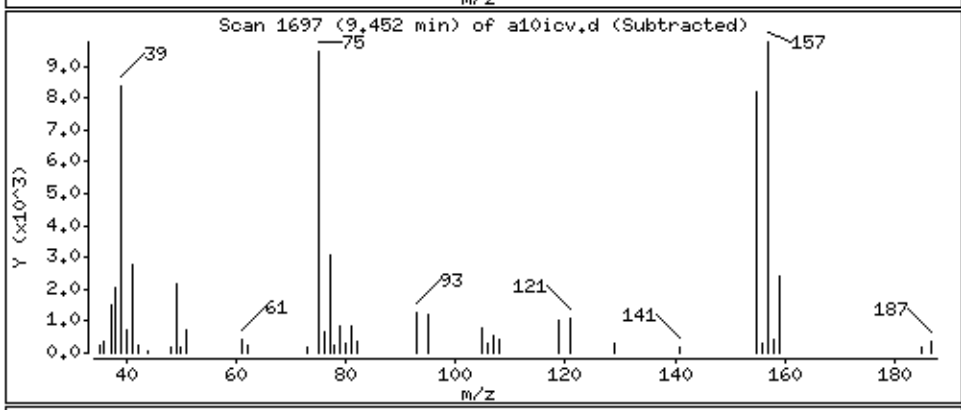
Column diameter: 0.18

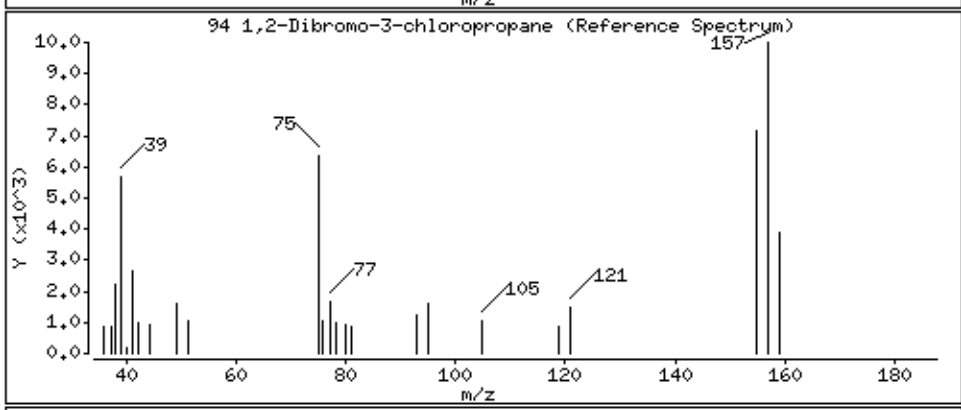
94 1,2-Dibromo-3-chloropropane

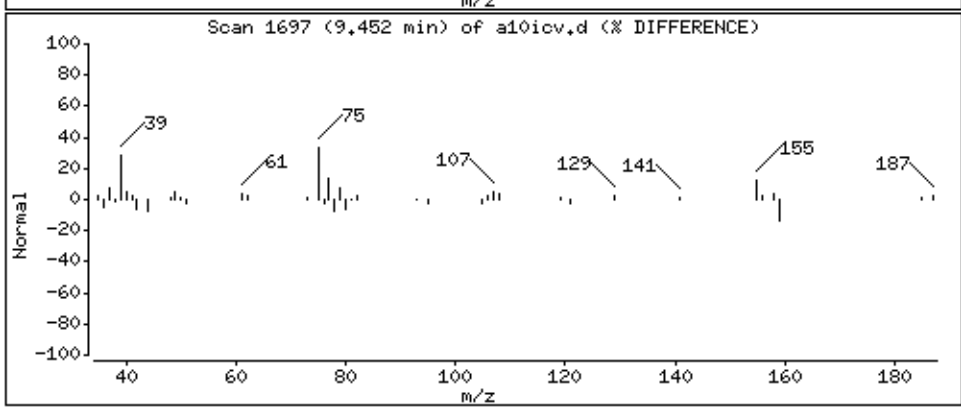
Concentration: 45.8 ppb

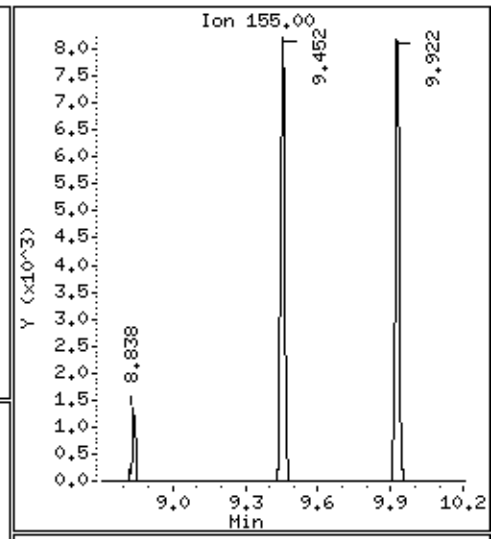
Review Code:

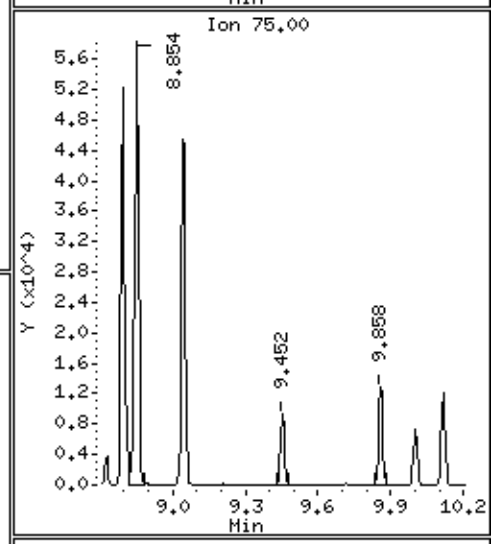


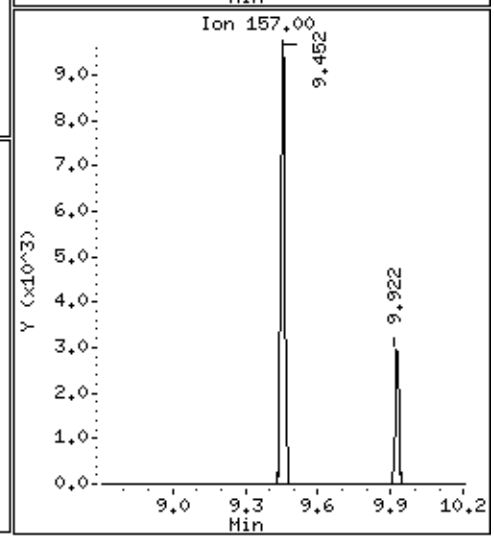












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

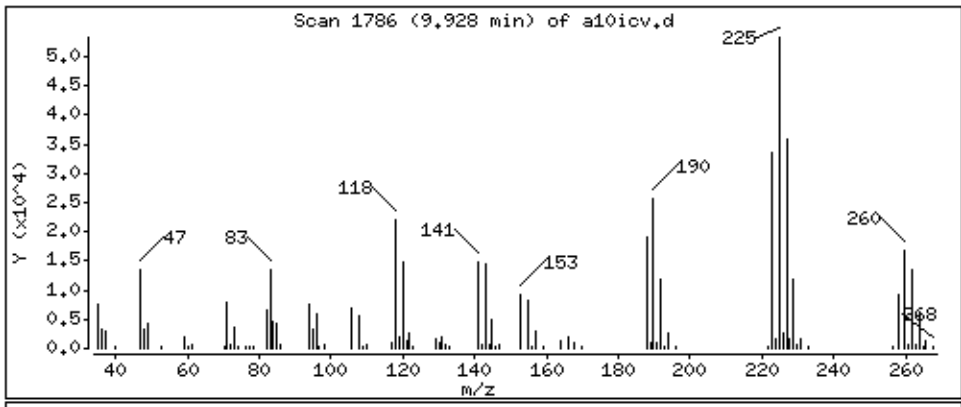
Column phase: DB-624

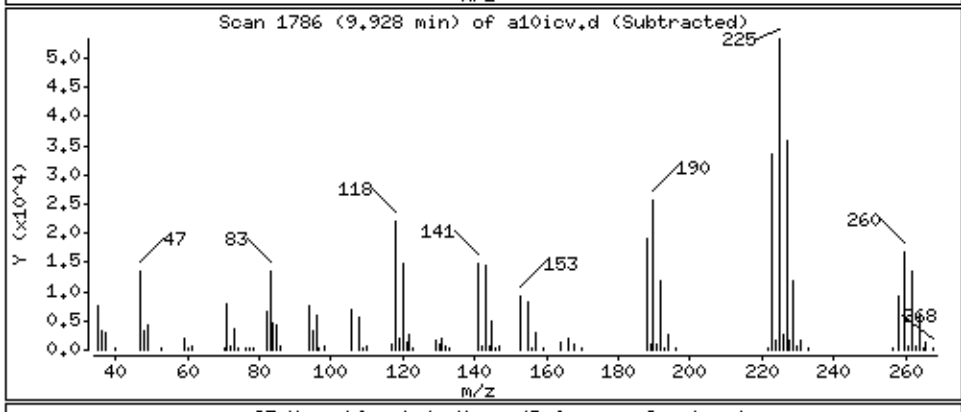
Column diameter: 0.18

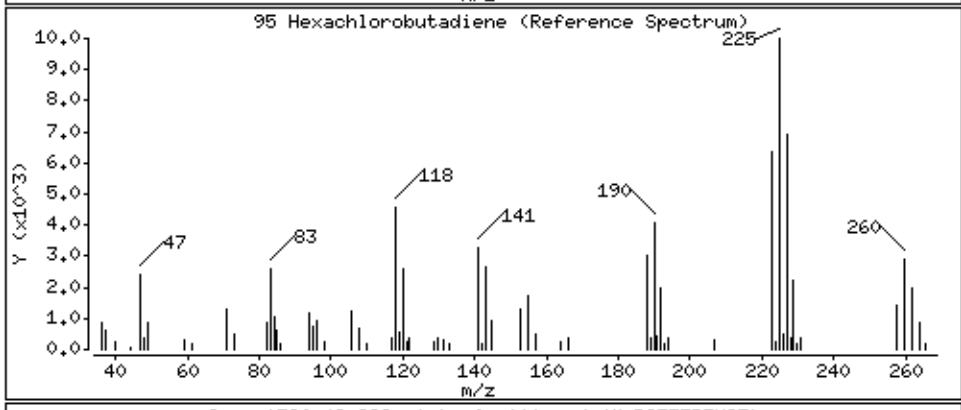
95 Hexachlorobutadiene

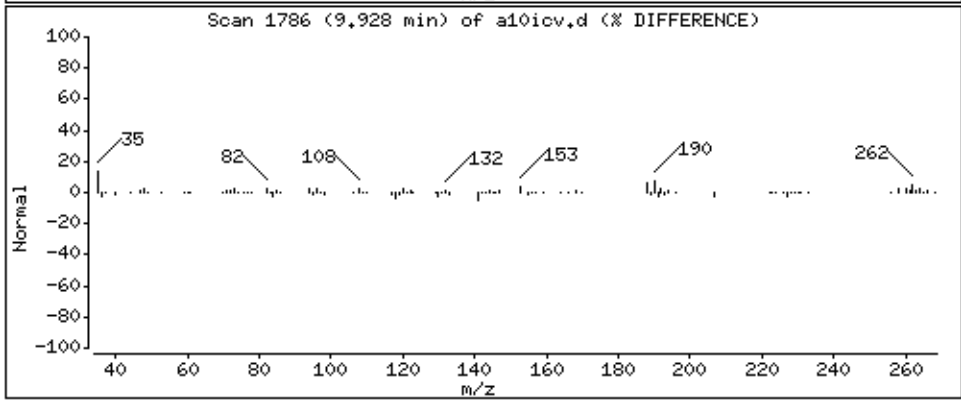
Concentration: 43.3 ppb

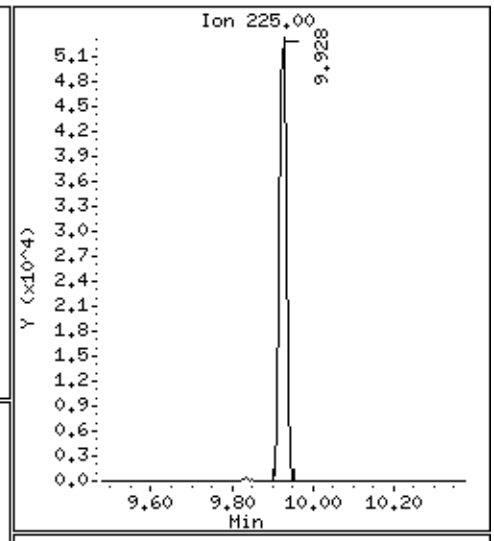
Review Code:

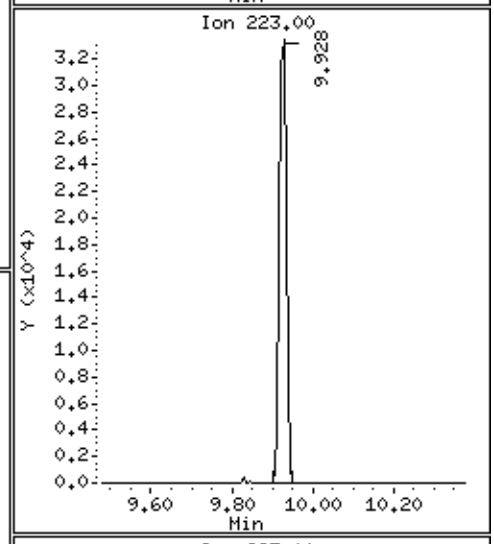


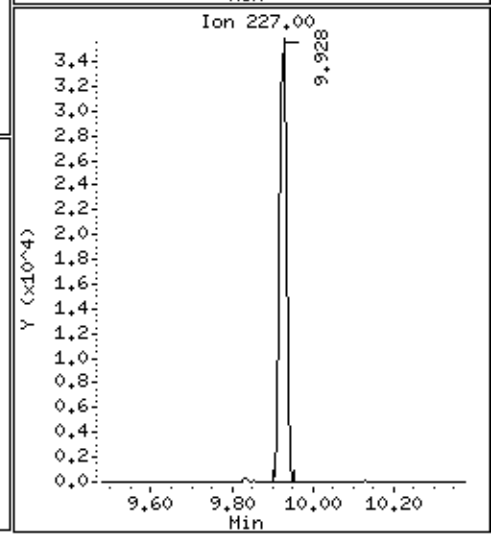












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

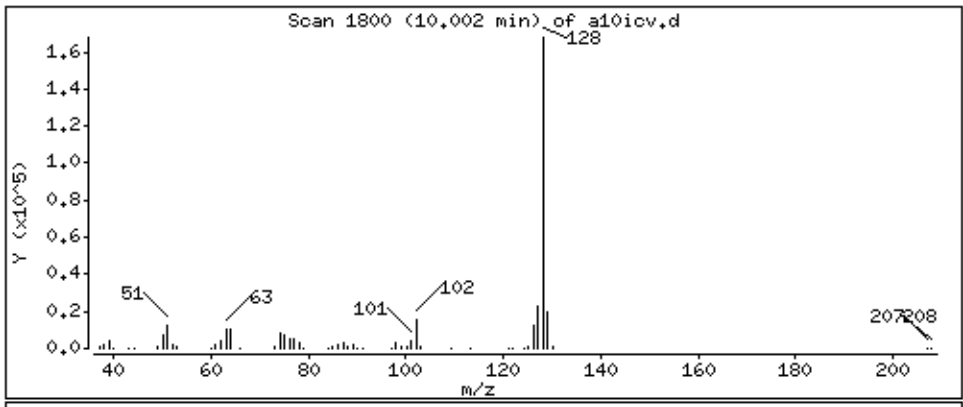
Column phase: DB-624

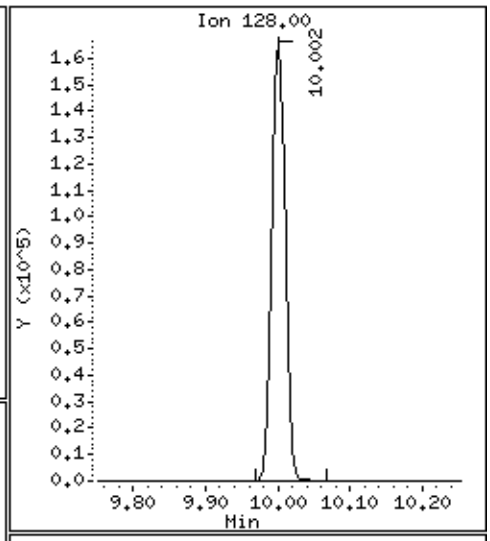
Column diameter: 0.18

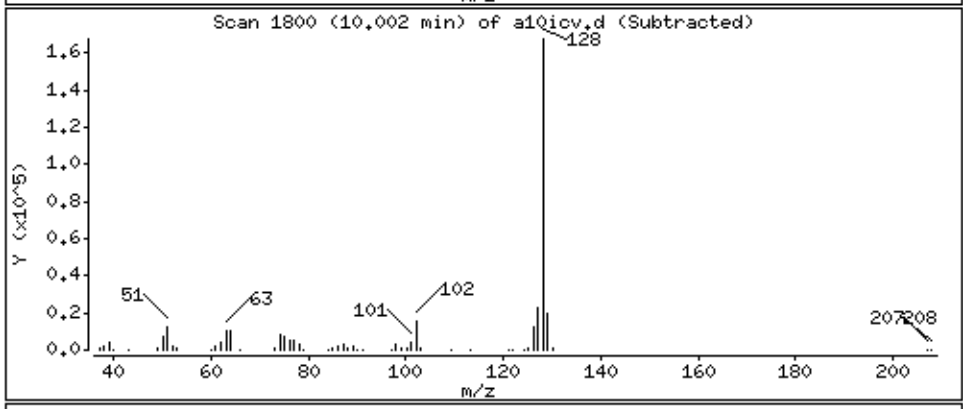
96 Naphthalene

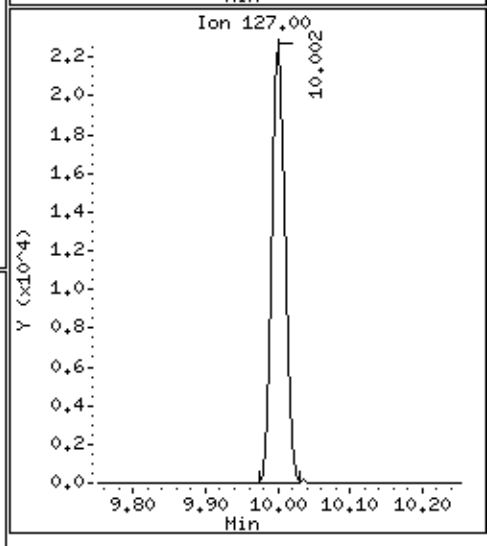
Concentration: 43.6 ppb

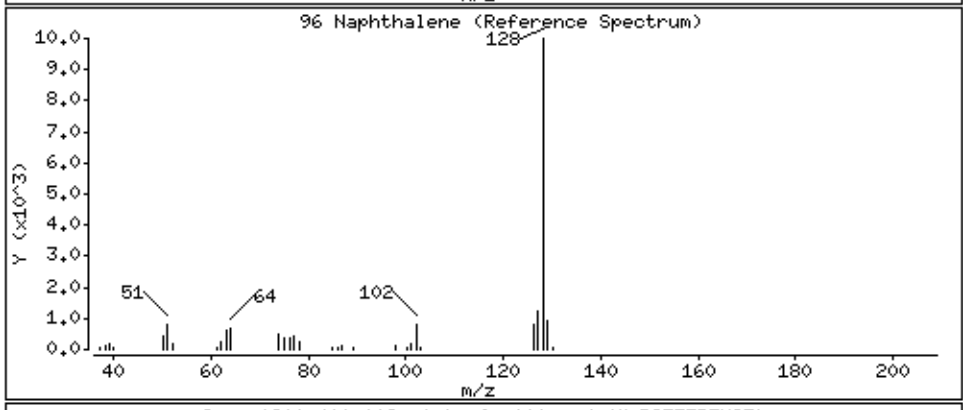
Review Code:

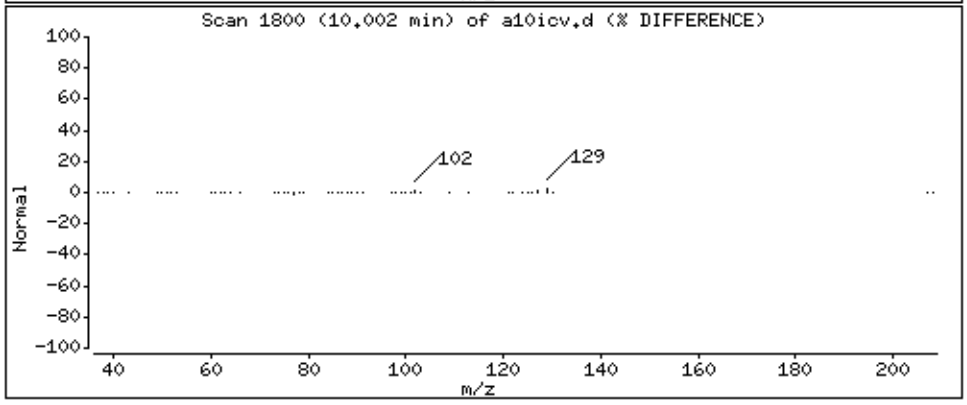












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

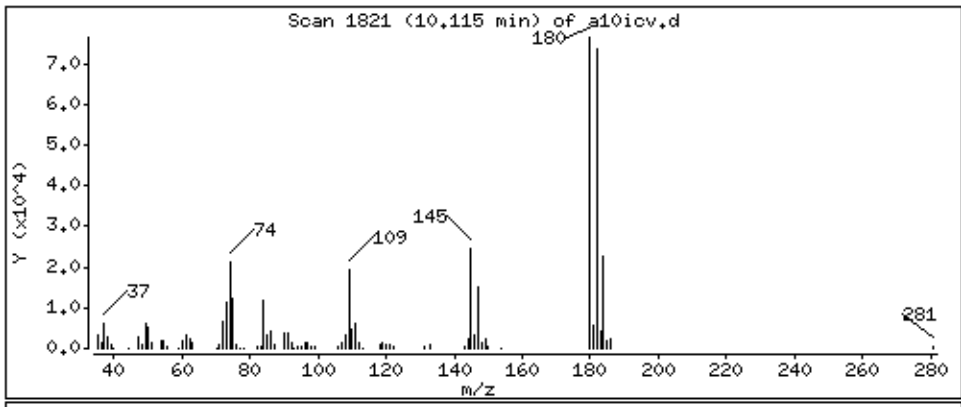
Column phase: DB-624

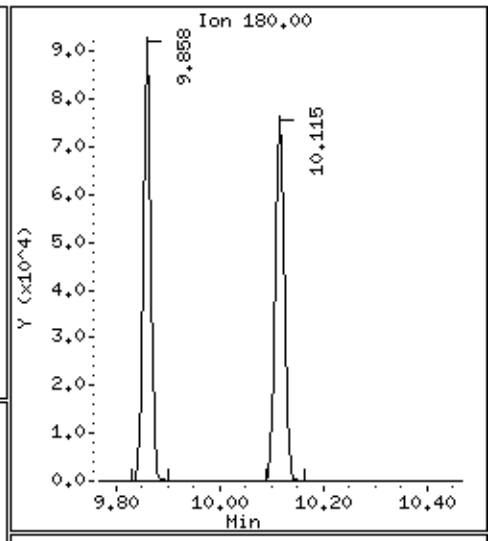
Column diameter: 0.18

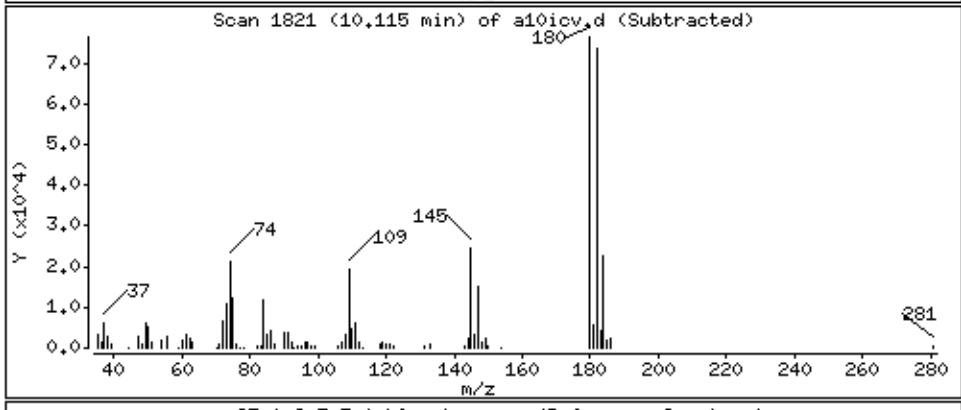
97 1,2,3-Trichlorobenzene

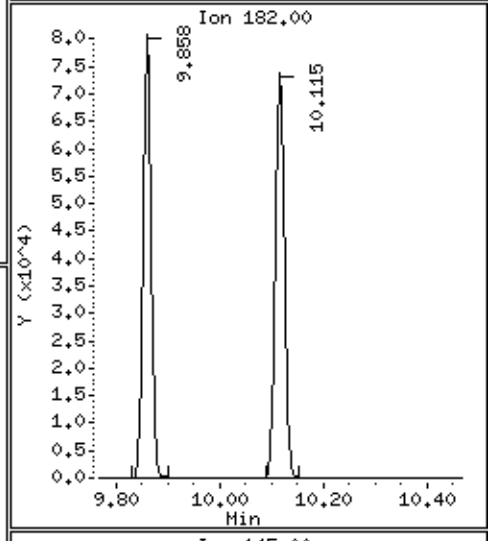
Concentration: 43.3 ppb

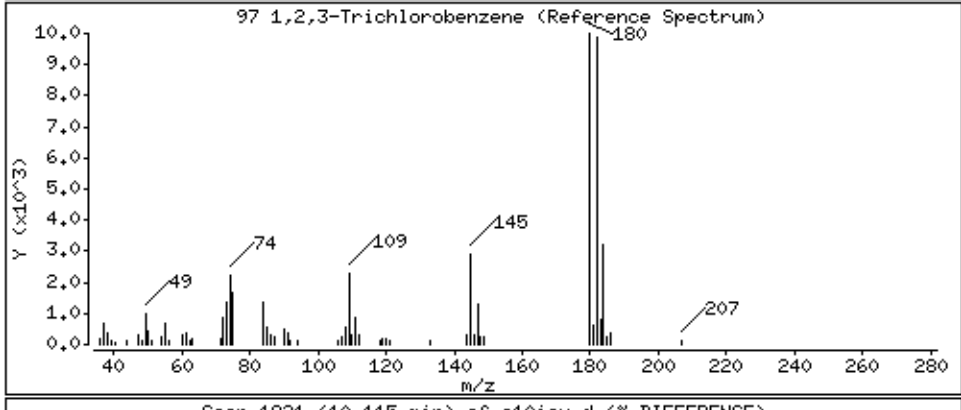
Review Code:

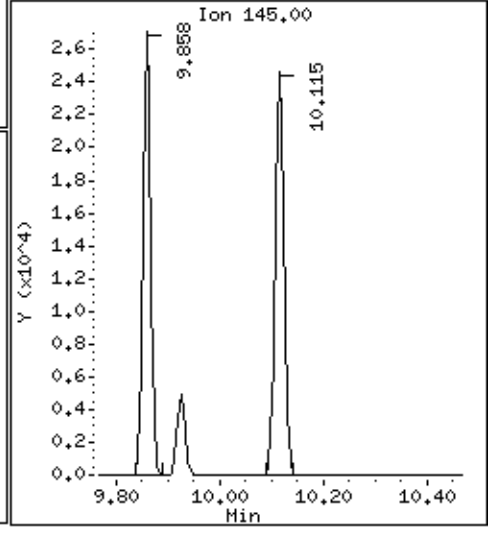


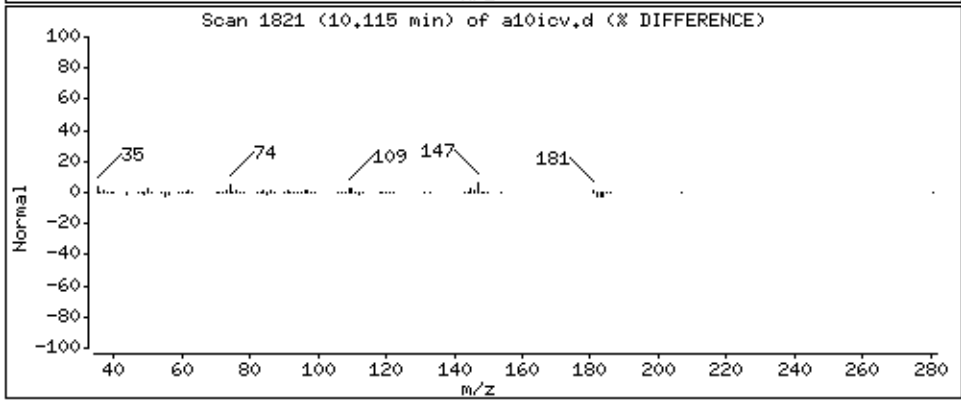












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Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

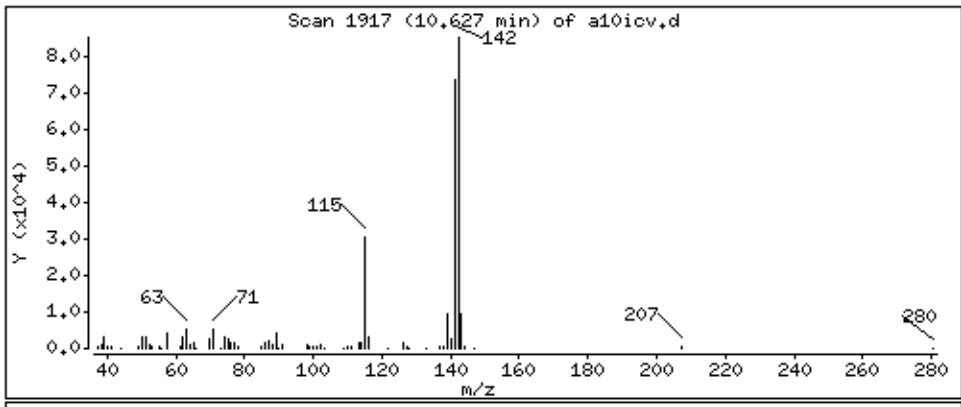
Column phase: DB-624

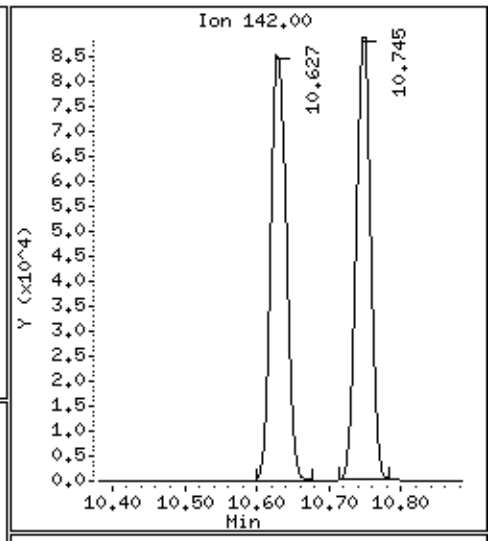
Column diameter: 0.18

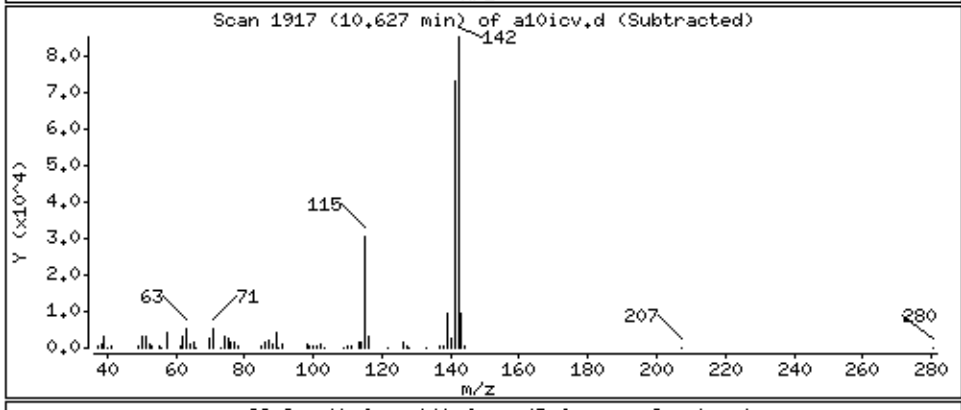
98 2,methyl-naphthalene

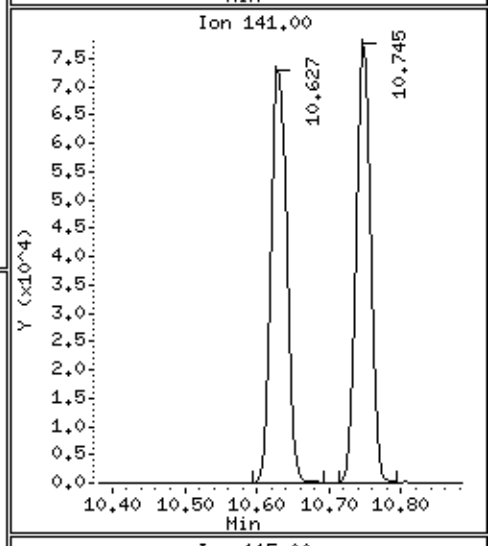
Concentration: 40.3 ppb

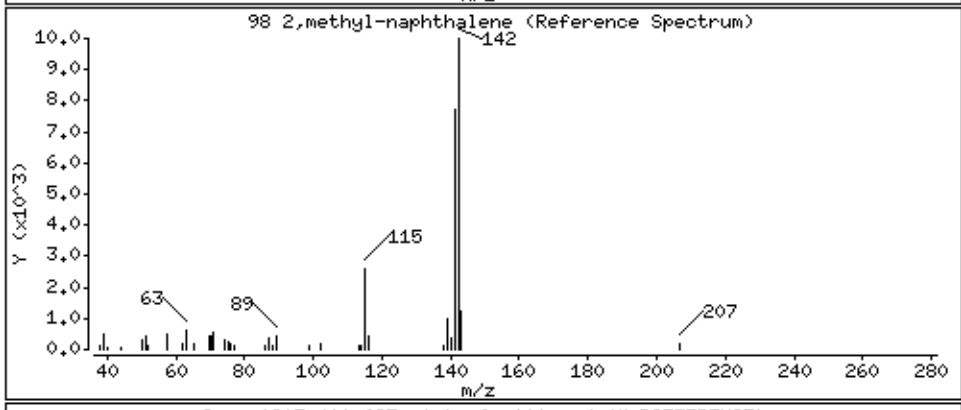
Review Code:

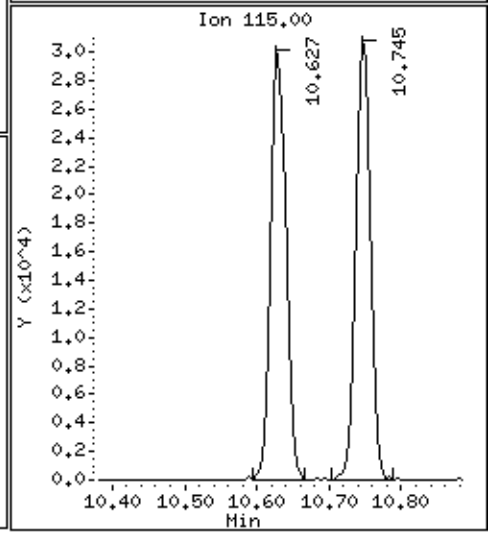


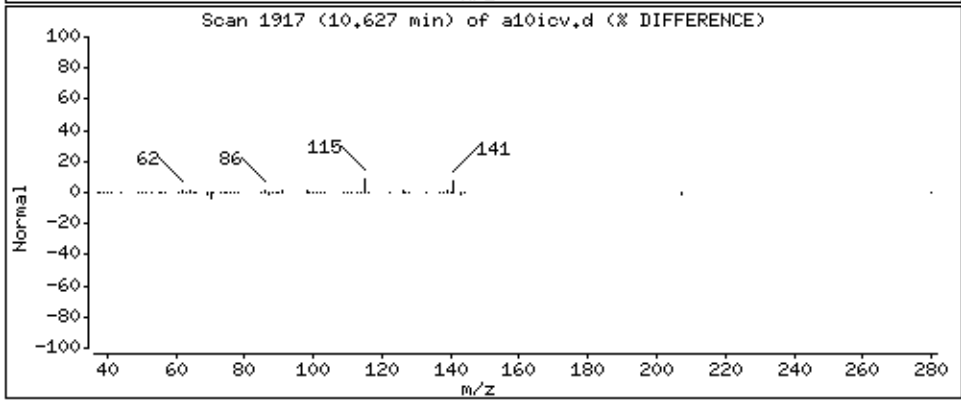












Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a10icv.d

Date : 28-SEP-2016 23:19

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-ICV,131984:0

Purge Volume: 5.0

Operator: jlz

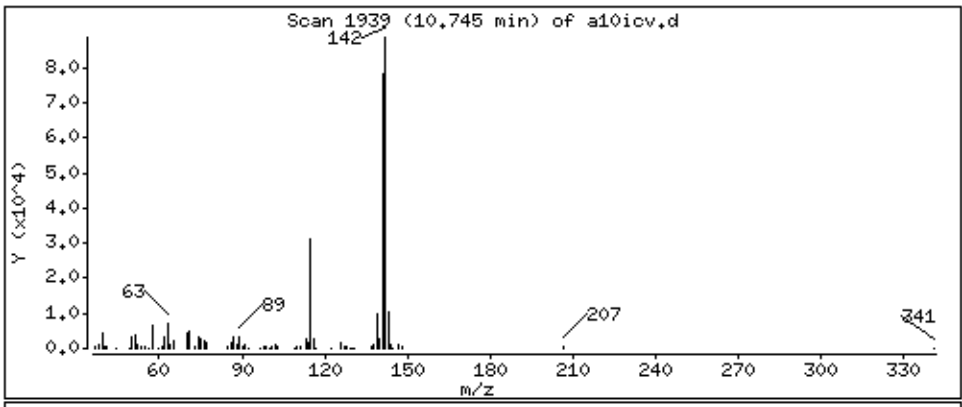
Column phase: DB-624

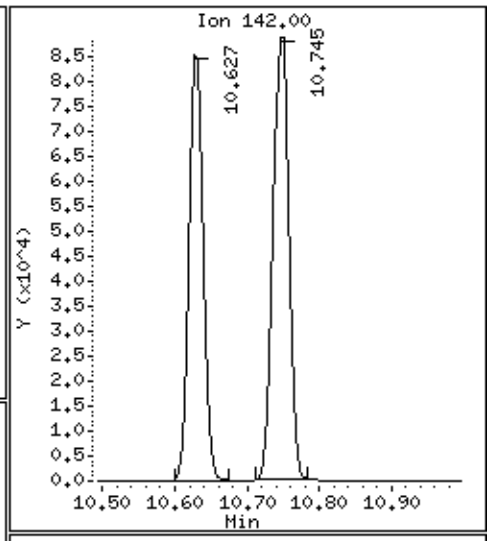
Column diameter: 0.18

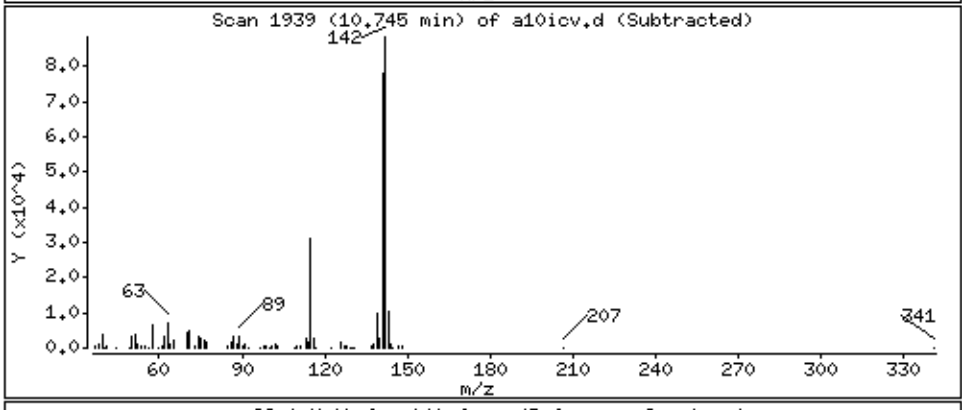
99 1-Methylnaphthalene

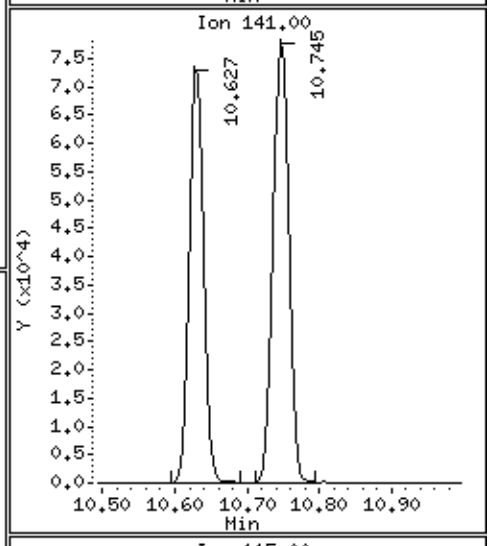
Concentration: 50.0 ppb

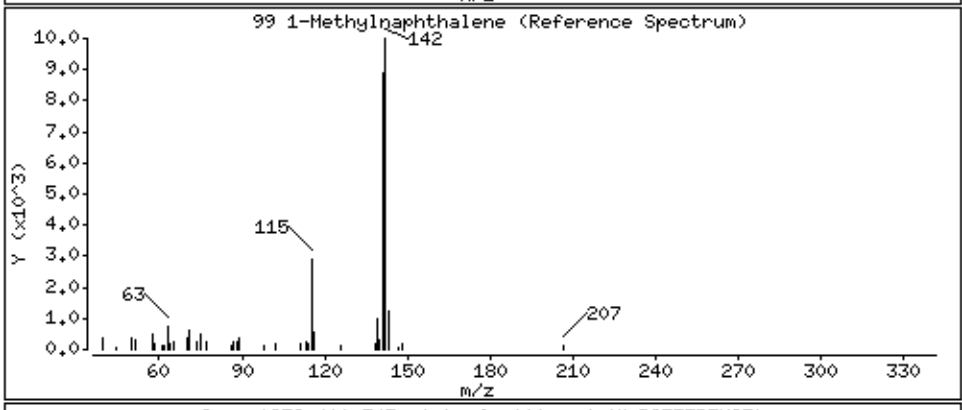
Review Code:

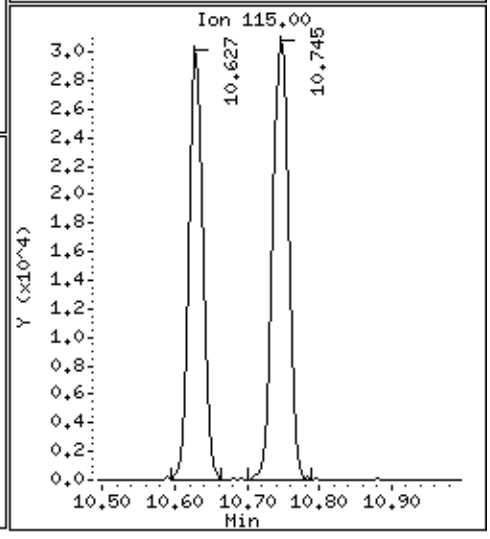


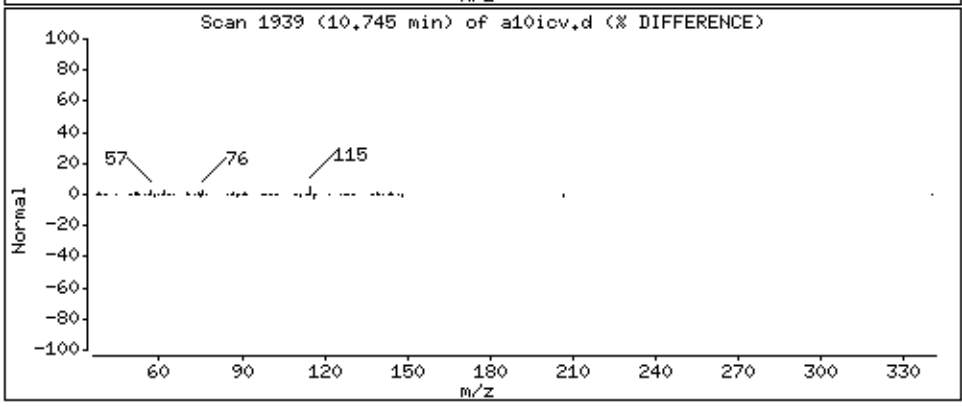












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Injection Date: 28-SEP-2016 23:19
Instrument: 50mv3a.i
Lab Sample ID: 8260-ICV,131984:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c01ccv.d
Lab Smp Id: 8260-CCV,132273:0
Inj Date : 07-OCT-2016 00:45
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 8260-ccv,132273:0
Misc Info : 95280
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 49 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

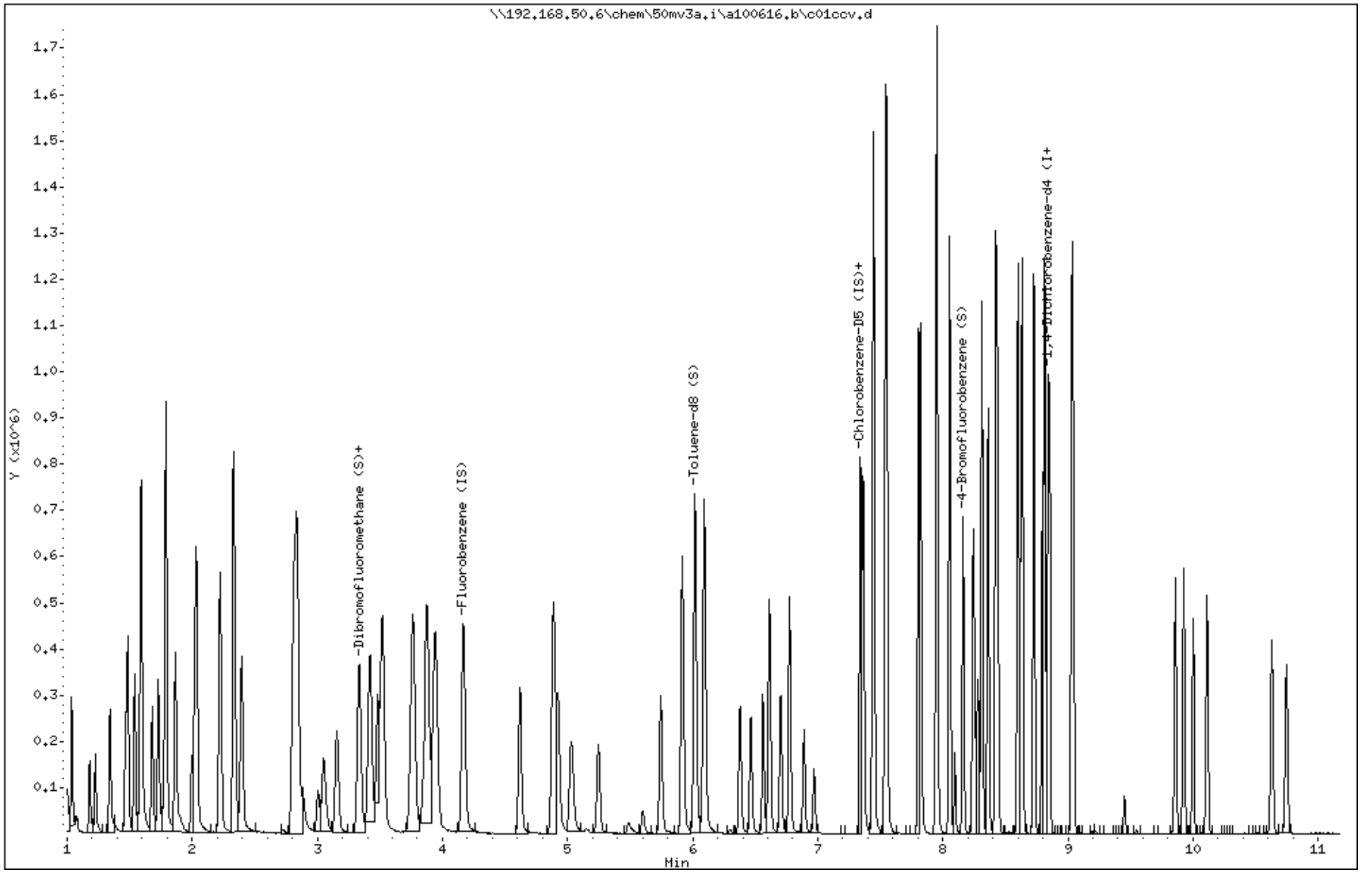
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1 Dichlorodifluoromethane	85	0.906	0.908	(0.218)	136924	50.0000	58.5	
2 Chloromethane	50	0.991	0.994	(0.238)	137244	50.0000	47.8	
3 Vinyl Chloride	62	1.034	1.036	(0.248)	155918	50.0000	51.7	
4 Bromomethane	94	1.183	1.181	(0.284)	62325	50.0000	44.6	
5 Chloroethane	64	1.226	1.229	(0.295)	82006	50.0000	46.0	
6 Trichlorofluoromethane	101	1.344	1.341	(0.323)	148159	50.0000	44.1	
7 Diethyl ether	74	1.466	1.464	(0.352)	52760	50.0000	40.6	
8 1,2-dichlorotrifluoroethane	67	1.483	1.480	(0.356)	120170	50.0000	41.3	
9 Acrolein	56	1.536	1.538	(0.369)	204193	1000.00	883	
10 1,1,2trichlorotrifluoroethane	101	1.589	1.592	(0.382)	101487	50.0000	40.8	
11 1,1-Dichloroethene	96	1.595	1.592	(0.383)	87698	50.0000	43.1	
12 Acetone	43	1.605	1.602	(0.386)	81279	250.000	197	
13 Iodomethane	142	1.680	1.683	(0.404)	204841	100.000	107	
14 Carbon Disulfide	76	1.728	1.731	(0.415)	291422	50.0000	46.4	
15 Methyl Acetate	43	1.771	1.773	(0.425)	56000	50.0000	45.0	
16 allyl chloride	41	1.787	1.789	(0.429)	405554	100.000	102	
17 Acetonitrile	39	1.787	1.789	(0.429)	252208	50.0000	43.9	
18 Methylene Chloride	84	1.862	1.864	(0.447)	121532	50.0000	59.5	
19 Acrylonitrile	53	2.001	1.998	(0.481)	102664	200.000	195	
20 Methyl-tert-butyl ether	73	2.027	2.024	(0.487)	255352	50.0000	46.4	
21 tert-Butyl Alcohol	59	1.904	1.902	(0.457)	14999	100.000	94.9	
22 1,2-Dichloroethene (trans)	96	2.038	2.035	(0.490)	105836	50.0000	46.2	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	23 n-Hexane	57	2.220	2.222	(0.533)	218307	50.0000	48.0	
	24 Vinyl Acetate	43	2.326	2.329	(0.559)	793306	200.000	221	
	25 1,1-Dichloroethane	63	2.337	2.340	(0.561)	196663	50.0000	45.8	
	26 Chloroprene	53	2.396	2.398	(0.575)	198711	50.0000	44.6	
	27 2-Butanone	72	2.802	2.799	(0.673)	37915	250.000	247	
	28 1,2-Dichloroethene (cis)	96	2.818	2.815	(0.677)	113294	50.0000	46.2	
	29 2,2-Dichloropropane	77	2.823	2.820	(0.678)	141134	50.0000	41.4	
	30 Propionitrile	54	2.861	2.863	(0.687)	8892	50.0000	41.1	
	31 Methacrylonitrile	41	3.005	3.002	(0.722)	45981	50.0000	45.1	
	32 Bromochloromethane	49	3.047	3.045	(0.732)	79894	50.0000	45.4	
	33 Tetrahydrofuran	42	3.069	3.066	(0.737)	20976	50.0000	45.3	
	34 Chloroform	83	3.154	3.157	(0.758)	177281	50.0000	44.7	
$	35 Dibromofluoromethane (S)	113	3.331	3.328	(0.800)	99394	50.0000	47.9	
	36 1,1,1-Trichloroethane	97	3.336	3.333	(0.801)	158528	50.0000	42.2	
	37 Cyclohexane	56	3.421	3.418	(0.822)	215536	50.0000	47.8	
	38 n-Butyl chloride	56	3.480	3.483	(0.836)	264775	50.0000	47.1	
	39 Carbon Tetrachloride	117	3.517	3.520	(0.845)	138552	50.0000	44.1	
	40 1,1-Dichloropropene	75	3.523	3.525	(0.846)	154575	50.0000	45.6	
	41 Benzene	78	3.763	3.766	(0.904)	440032	50.0000	46.6	
	42 1,2-Dichloroethane	62	3.849	3.851	(0.924)	121389	50.0000	42.4	
	43 2,2,4-Trimethylpentane	57	3.945	3.942	(0.947)	548662	50.0000	48.3	
	44 Isobutyl alcohol	43	3.881	3.878	(0.932)	728749	50.0000	47.3	
*	45 Fluorobenzene (IS)	96	4.164	4.166	(1.000)	458620	50.0000		
	46 Trichloroethene	95	4.618	4.620	(1.109)	111422	50.0000	46.6	
	47 Methylcyclohexane	55	4.885	4.887	(1.173)	187877	50.0000	51.2	
	48 1,2-Dichloropropane	63	4.922	4.925	(1.182)	110852	50.0000	50.1	
	49 Dibromomethane	93	5.018	5.021	(1.205)	48045	50.0000	47.5	
	50 1,4-Dioxane	88	5.034	5.031	(1.209)	13975	1000.00	1020	
	51 Methyl methacrylate	69	5.040	5.042	(1.210)	53120	50.0000	53.6	
	52 Bromodichloromethane	83	5.243	5.245	(1.259)	126436	50.0000	49.5	
	53 2-Chloroethyl vinyl ether	63	5.600	5.598	(0.763)	20730	100.000	220	
	54 cis-1,3-Dichloropropene	75	5.745	5.742	(0.782)	155237	50.0000	43.9	
	55 4-Methyl-2-Pentanone	43	5.916	5.918	(0.806)	379950	250.000	234	
$	56 Toluene-d8 (S)	98	6.017	6.020	(0.820)	443099	50.0000	45.5	
	57 Toluene	91	6.092	6.089	(0.830)	477216	50.0000	41.3	
	58 trans-1,3-Dichloropropene	75	6.380	6.377	(0.869)	127817	50.0000	44.7	
	59 Ethyl Methacrylate	69	6.466	6.463	(0.881)	107440	50.0000	50.5	
	60 1,1,2-Trichloroethane	83	6.562	6.564	(0.894)	62189	50.0000	45.2	
	61 Tetrachloroethene	166	6.615	6.618	(0.901)	120534	50.0000	45.9	
	62 1,3-Dichloropropane	76	6.706	6.703	(0.913)	134533	50.0000	46.4	
	63 2-Hexanone	43	6.776	6.773	(0.923)	258811	250.000	252	
	64 Dibromochloromethane	129	6.888	6.890	(0.938)	89030	50.0000	46.2	
	65 1,2-Dibromoethane	107	6.973	6.970	(0.950)	68848	50.0000	46.4	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.344	(1.000)	314039	50.0000		
	67 Chlorobenzene	112	7.368	7.365	(1.004)	289318	50.0000	44.8	
	68 1,1,1,2-Tetrachloroethane	131	7.443	7.440	(1.014)	97467	50.0000	47.8	
	69 Ethylbenzene	106	7.448	7.451	(1.015)	166559	50.0000	47.0	
	70 m&p-Xylene	106	7.545	7.547	(1.028)	408406	100.000	93.8	
	71 o-Xylene	106	7.806	7.809	(1.063)	191161	50.0000	47.4	
	72 Styrene	104	7.822	7.825	(1.065)	319335	50.0000	49.0	
	73 Bromoform	173	7.940	7.942	(0.898)	47217	50.0000	49.6	
	74 Isopropylbenzene	105	8.052	8.054	(1.097)	528271	50.0000	47.3	
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.112)	145347	50.0000	51.9	
	76 Bromobenzene	77	8.244	8.241	(1.123)	175001	50.0000	47.7	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
77	1,1,2,2-Tetrachloroethane	83	8.255	8.257	(0.934)	84045	50.0000	49.0	
78	trans-1,4-Dichloro-2-butene	53	8.276	8.273	(1.127)	23354	50.0000	45.7	
79	1,2,3-Trichloropropane	110	8.282	8.284	(0.937)	26121	50.0000	48.0	
80	n-Propylbenzene	91	8.314	8.311	(0.940)	595665	50.0000	48.7	
81	2-Chlorotoluene	91	8.362	8.359	(0.946)	337017	50.0000	49.3	
82	1,3,5-Trimethylbenzene	105	8.421	8.423	(0.952)	409934	50.0000	49.6	
83	4-Chlorotoluene	126	8.437	8.434	(0.954)	112638	50.0000	46.5	
84	tert-Butylbenzene	119	8.602	8.599	(0.973)	464678	50.0000	49.2	
85	1,2,4-Trimethylbenzene	105	8.634	8.637	(0.976)	401973	50.0000	48.2	
86	sec-Butylbenzene	105	8.725	8.727	(0.987)	550020	50.0000	49.0	
87	1,3-Dichlorobenzene	146	8.794	8.797	(0.995)	193763	50.0000	44.3	
88	p-Isopropyltoluene	119	8.810	8.813	(0.996)	451233	50.0000	48.3	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.840	(1.000)	136235	50.0000		
90	1,4-Dichlorobenzene	146	8.853	8.856	(1.001)	194479	50.0000	43.0	
91	n-Butylbenzene	91	9.029	9.032	(1.021)	394765	50.0000	46.7	
92	1,2-Dichlorobenzene	146	9.045	9.048	(1.023)	177894	50.0000	45.0	
93	1,2,4-Trichlorobenzene	180	9.857	9.870	(1.115)	118541	50.0000	45.2	
94	1,2-Dibromo-3-chloropropane	155	9.451	9.459	(1.069)	10962	50.0000	49.7	
95	Hexachlorobutadiene	225	9.927	9.935	(1.123)	75581	50.0000	47.0	
96	Naphthalene	128	10.002	10.009	(1.131)	272757	50.0000	50.8	
97	1,2,3-Trichlorobenzene	180	10.114	10.127	(1.144)	115007	50.0000	46.3	
98	2,methyl-naphthalene	142	10.632	10.645	(1.202)	174516	50.0000	49.8	
99	1-Methylnaphthalene	142	10.744	10.757	(1.215)	152607	50.0000	50.9	

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c01ccv.d
Date : 07-OCT-2016 00:45
Client ID:
Sample Info: 8260-CCV,132273:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Injection Date: 07-OCT-2016 00:45
Instrument: 50mv3a.i
Lab Sample ID: 8260-CCV,132273:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d
Lab Smp Id: 8260-ICV,128595:0
Inj Date : 16-AUG-2016 15:25
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-icv,128595:0
Misc Info : 93773
Comment   :
Method   : \\192.168.50.6\chem\50mv3b.i\b081616cal.b\-b8260_a_c.m
Meth Date : 17-Aug-2016 12:04 50mv3b.i Quant Type: ISTD
Cal Date : 16-AUG-2016 11:40 Cal File: b03cal.d
Als bottle: 22 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.913	0.913	(0.219)	135728	51.1998	51.2	
2 Chloromethane	50	0.998	0.996	(0.239)	123681	43.7450	43.7	
3 Vinyl Chloride	62	1.041	1.044	(0.249)	135811	52.4740	52.5	
4 Bromomethane	94	1.190	1.194	(0.285)	68212	52.8109	52.8	
5 Chloroethane	64	1.233	1.234	(0.295)	69214	46.2380	46.2	
6 Trichlorofluoromethane	101	1.351	1.348	(0.324)	165963	52.9676	53.0	
7 Diethyl ether	74	1.474	1.477	(0.353)	47735	49.3163	49.3	
8 1,2-dichlorotrifluoroethane	67	1.490	1.493	(0.357)	114052	49.0848	49.1	
9 Acrolein	56	1.543	1.551	(0.370)	207677	2387.31	2390(R)	
10 1,1,2trichlorotrifluoroethane	101	1.596	1.600	(0.382)	103028	53.8133	53.8	
11 1,1-Dichloroethene	96	1.602	1.602	(0.384)	81571	52.7608	52.8	
12 Acetone	43	1.612	1.613	(0.386)	64809	203.083	203	
13 Iodomethane	142	1.687	1.690	(0.404)	196863	113.457	113	
14 Carbon Disulfide	76	1.735	1.736	(0.416)	285021	47.2040	47.2	
15 Methyl Acetate	43	1.783	1.784	(0.427)	37190	33.2084	33.2	
16 allyl chloride	41	1.794	1.797	(0.430)	293009	107.091	107	
17 Acetonitrile	39	1.799	1.797	(0.431)	221105	52.9885	53.0	
18 Methylene Chloride	84	1.874	1.872	(0.449)	85823	45.0066	45.0	
19 tert-Butyl Alcohol	59	1.912	1.917	(0.458)	11655	87.3307	87.3(Q)	
20 Acrylonitrile	53	2.008	2.008	(0.481)	72461	186.732	187	
21 Methyl-tert-butyl ether	73	2.034	2.037	(0.487)	215138	50.6407	50.6	
22 1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	94032	52.8799	52.9	

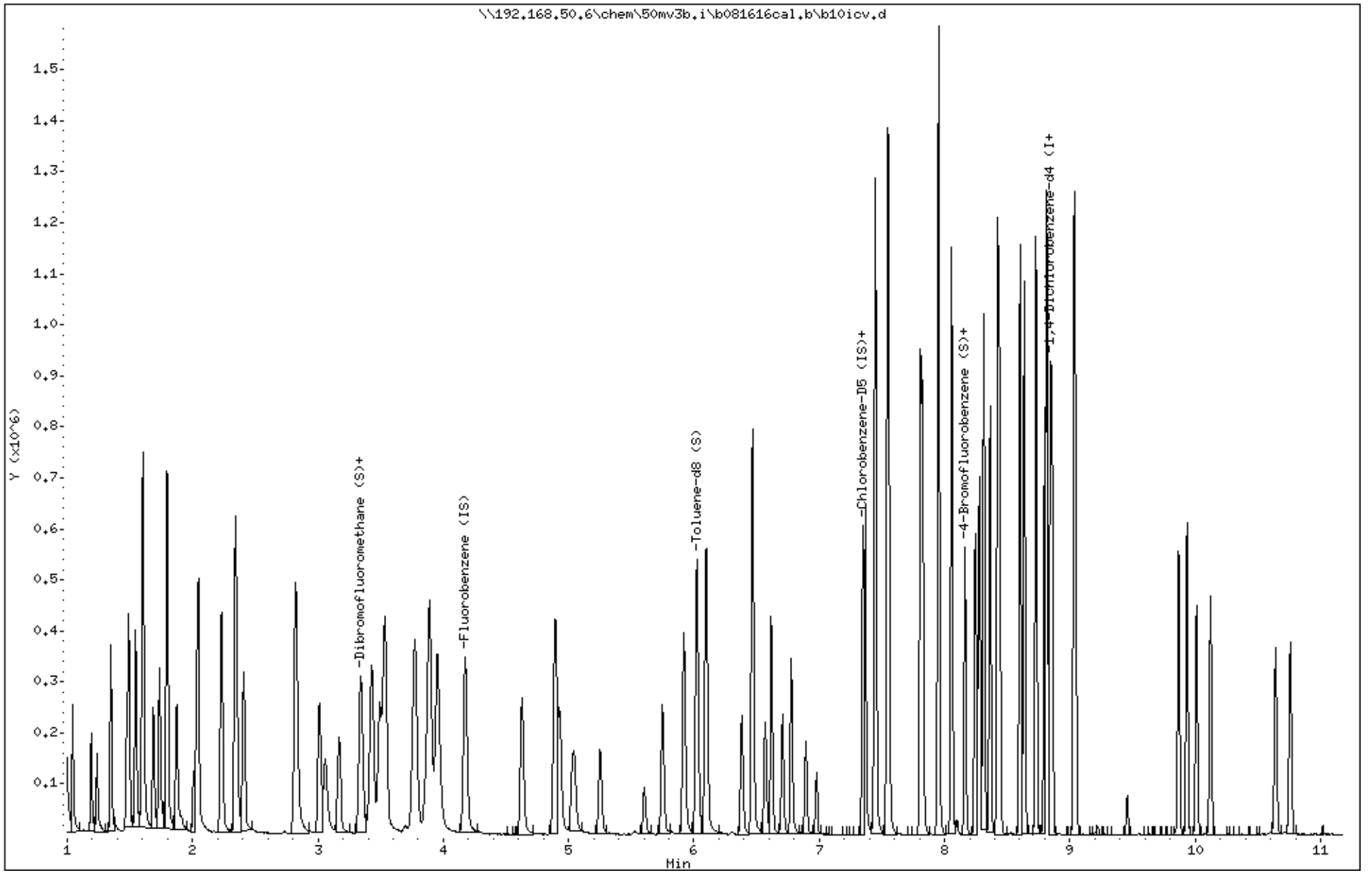
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 n-Hexane	57	2.232	2.233	(0.534)	169294	51.5492	51.5	
	24 Vinyl Acetate	43	2.339	2.339	(0.560)	568500	210.057	210	
	25 1,1-Dichloroethane	63	2.349	2.350	(0.563)	156499	51.7299	51.7	
	26 Chloroprene	53	2.403	2.409	(0.575)	151222	51.7675	51.8	
	27 2-Butanone	72	2.803	2.809	(0.671)	30139	237.663	238	
	28 1,2-Dichloroethene (cis)	96	2.825	2.828	(0.676)	100066	55.2080	55.2	
	29 2,2-Dichloropropane	77	2.830	2.831	(0.678)	144717	51.6262	51.6	
	30 Propionitrile	54	2.868	2.868	(0.687)	6418	41.4555	41.4(Q)	
	31 Methacrylonitrile	41	3.012	3.012	(0.721)	134811	214.247	214	
	32 Bromochloromethane	49	3.055	3.060	(0.731)	57636	48.3785	48.4	
	33 Tetrahydrofuran	42	3.081	3.082	(0.738)	13136	36.7099	36.7	
	34 Chloroform	83	3.167	3.175	(0.758)	147226	48.5726	48.6	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.799)	81249	49.5340	49.5	
	36 1,1,1-Trichloroethane	97	3.343	3.346	(0.800)	147562	51.3731	51.4	
	37 Cyclohexane	56	3.428	3.432	(0.821)	170368	56.7685	56.8	
	151 n-Butyl chloride	56	3.492	3.493	(0.836)	213373	53.8765	53.9	
	38 Carbon Tetrachloride	117	3.530	3.530	(0.845)	135548	54.5834	54.6	
	39 1,1-Dichloropropene	75	3.535	3.536	(0.847)	135001	55.1110	55.1	
	40 Benzene	78	3.776	3.773	(0.904)	358813	51.1153	51.1	
	41 1,2-Dichloroethane	62	3.861	3.862	(0.925)	94784	49.9114	49.9	
	42 Isobutyl alcohol	43	3.888	3.958	(0.931)	641105	422.602	423(Q)	
	43 2,2,4-Trimethylpentane	57	3.952	3.950	(0.946)	412255	52.2021	52.2	
*	44 Fluorobenzene (IS)	96	4.176	4.174	(1.000)	350220	50.0000		
	45 Trichloroethene	95	4.625	4.628	(1.107)	91521	51.0022	51.0	
	46 Methylcyclohexane	55	4.892	4.892	(1.171)	142447	56.4593	56.4	
	47 1,2-Dichloropropane	63	4.929	4.930	(1.180)	84387	51.6121	51.6	
	48 Methyl methacrylate	69	5.047	5.047	(1.208)	42757	52.0282	52.0	
	49 Dibromomethane	93	5.025	5.026	(1.203)	41856	52.2600	52.2	
	50 1,4-Dioxane	88	5.036	5.042	(1.206)	10591	901.831	902	
	51 Bromodichloromethane	83	5.250	5.250	(1.257)	105287	50.1715	50.2	
	52 2-Chloroethyl vinyl ether	63	5.608	5.608	(0.763)	37919	54.4168	54.4	
	53 cis-1,3-Dichloropropene	75	5.746	5.747	(0.782)	131797	53.9337	53.9	
	54 4-Methyl-2-Pentanone	43	5.923	5.923	(0.806)	246682	240.339	240	
$	55 Toluene-d8 (S)	98	6.024	6.022	(0.820)	336118	50.6095	50.6	
	56 Toluene	91	6.099	6.097	(0.830)	395995	50.3756	50.4	
	57 trans-1,3-Dichloropropene	75	6.382	6.383	(0.868)	107185	52.4299	52.4	
	58 Ethyl Methacrylate	69	6.467	6.468	(0.880)	334562	200.401	200	
	59 1,1,2-Trichloroethane	83	6.569	6.564	(0.894)	46957	48.9468	48.9	
	60 Tetrachloroethene	166	6.617	6.625	(0.900)	104237	52.9882	53.0	
	61 1,3-Dichloropropane	76	6.708	6.708	(0.913)	102797	53.5403	53.5	
	62 2-Hexanone	43	6.777	6.778	(0.922)	166239	234.082	234	
	63 Dibromochloromethane	129	6.889	6.893	(0.937)	74320	51.3232	51.3	
	64 1,2-Dibromoethane	107	6.975	6.978	(0.949)	58764	52.4664	52.5	
*	65 Chlorobenzene-D5 (IS)	117	7.349	7.347	(1.000)	251075	50.0000		
	66 Chlorobenzene	112	7.365	7.368	(1.002)	248304	51.9404	51.9	
	67 1,1,1,2-Tetrachloroethane	131	7.445	7.443	(1.013)	86898	52.8107	52.8	
	68 Ethylbenzene	106	7.450	7.453	(1.014)	148797	52.2937	52.3	
	69 m&p-Xylene	106	7.552	7.549	(1.028)	363295	105.704	106	
	70 o-Xylene	106	7.808	7.811	(1.063)	172421	52.9114	52.9	
	71 Styrene	104	7.824	7.827	(1.065)	282101	52.1855	52.2	
	72 Bromoform	173	7.942	7.942	(0.898)	42231	47.3802	47.4	
	73 Isopropylbenzene	105	8.054	8.057	(1.096)	482313	53.8772	53.9	
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.111)	120557	50.6474	50.6	
	75 Bromobenzene	77	8.246	8.244	(1.122)	145410	49.7574	49.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
76	1,1,2,2-Tetrachloroethane	83	8.257	8.254	(0.934)	68548	49.2813	49.3	
77	trans-1,4-Dichloro-2-butene	53	8.278	8.273	(1.126)	72298	186.344	186(Q)	
78	1,2,3-Trichloropropane	110	8.283	8.284	(0.937)	22564	50.4728	50.5(Q)	
79	n-Propylbenzene	91	8.315	8.313	(0.941)	547210	51.4624	51.5	
80	2-Chlorotoluene	91	8.364	8.361	(0.946)	301647	50.4338	50.4	
81	1,3,5-Trimethylbenzene	105	8.422	8.425	(0.953)	384567	50.3029	50.3	
82	4-Chlorotoluene	126	8.438	8.436	(0.955)	111806	50.2110	50.2	
83	tert-Butylbenzene	119	8.604	8.602	(0.973)	364664	40.8741	40.9	
84	1,2,4-Trimethylbenzene	105	8.636	8.639	(0.977)	387691	50.3923	50.4	
85	sec-Butylbenzene	105	8.727	8.730	(0.987)	534246	52.6818	52.7	
86	1,3-Dichlorobenzene	146	8.796	8.799	(0.995)	217513	51.2084	51.2	
87	p-Isopropyltoluene	119	8.812	8.815	(0.997)	455126	51.5992	51.6	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	133501	50.0000		
89	1,4-Dichlorobenzene	146	8.855	8.858	(1.002)	214503	48.9059	48.9	
90	n-Butylbenzene	91	9.031	9.034	(1.022)	392139	49.7701	49.8	
91	1,2-Dichlorobenzene	146	9.047	9.045	(1.024)	191132	48.7288	48.7	
92	1,2-Dibromo-3-chloropropane	155	9.458	9.459	(1.070)	11973	47.7990	47.8	
93	1,2,4-Trichlorobenzene	180	9.870	9.878	(1.117)	123477	46.3675	46.4	
94	Hexachlorobutadiene	225	9.934	9.929	(1.124)	76116	51.5781	51.6	
95	Naphthalene	128	10.009	10.022	(1.132)	270676	48.2626	48.3	
96	1,2,3-Trichlorobenzene	180	10.121	10.135	(1.145)	113002	47.4633	47.5	
97	2,methyl-naphthalene	142	10.639	10.658	(1.204)	155336	41.7002	41.7	
98	1-Methylnaphthalene	142	10.756	10.770	(1.217)	159547	49.5123	49.5	
99	Isopropyl Acetate	61	1.602	1.602	(0.384)	131888	261.354	261	
100	Ethyl Acetate	88	2.403	2.409	(0.575)	82503	503.333	503	
101	n-amyl Acetate	70	8.166	8.257	(1.955)	1114	91.7012	91.7(Q)	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d
Date : 16-AUG-2016 15:25
Client ID:
Instrument: 50mv3b.i
Sample Info: 8260-ICV,128595:0
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

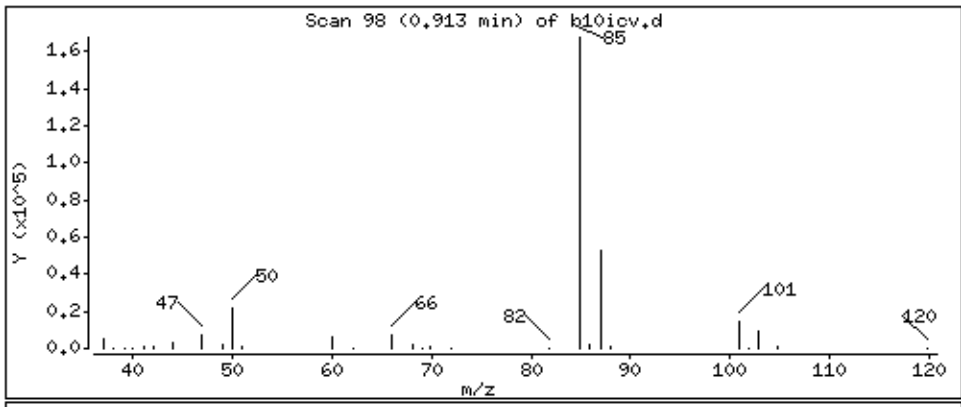
Column phase: DB-624

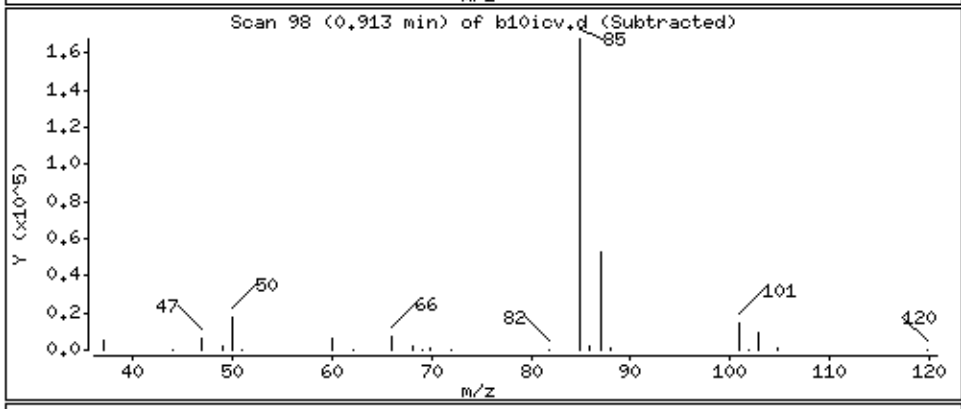
Column diameter: 0.18

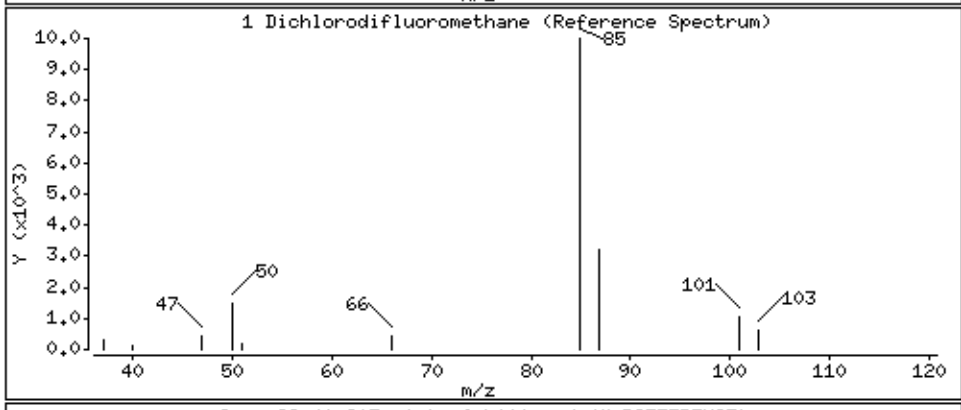
1 Dichlorodifluoromethane

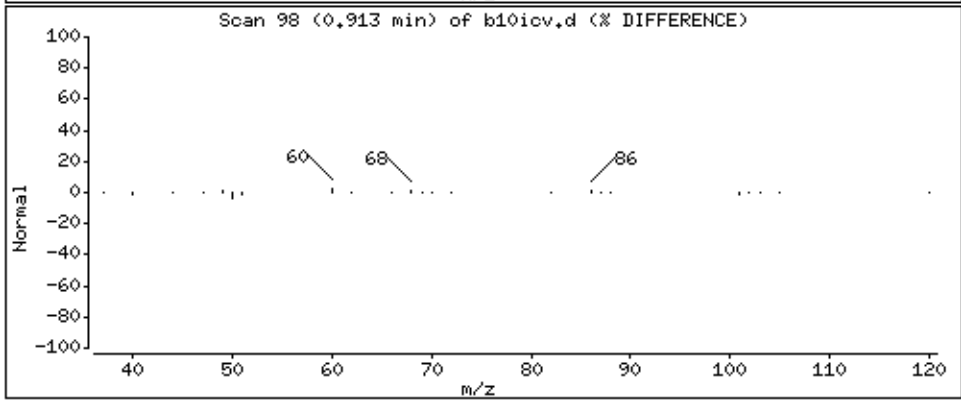
Concentration: 51.2 ppb

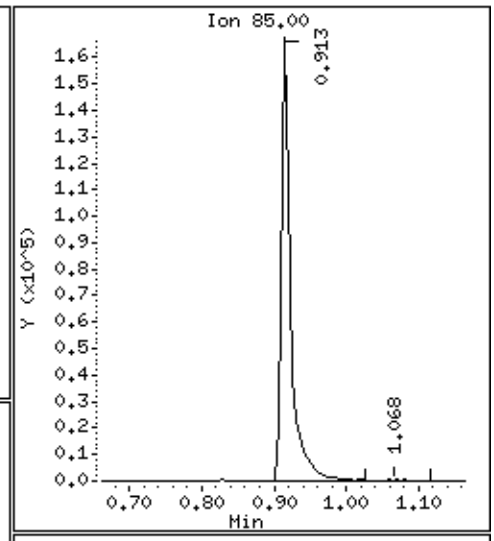
Review Code:

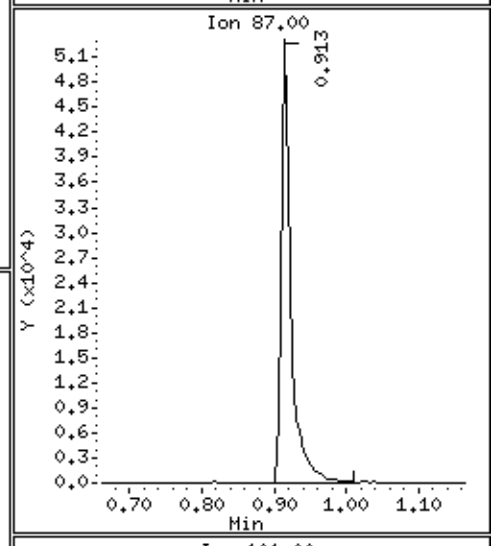


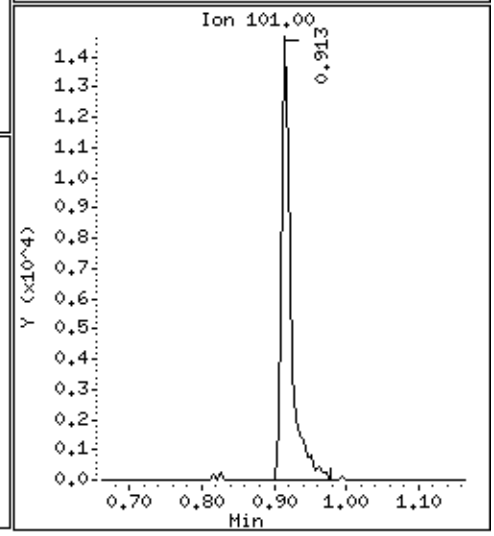












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

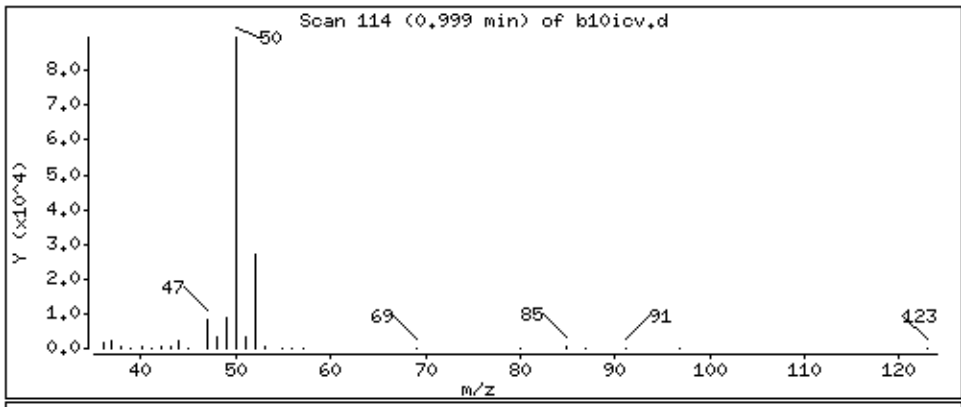
Column phase: DB-624

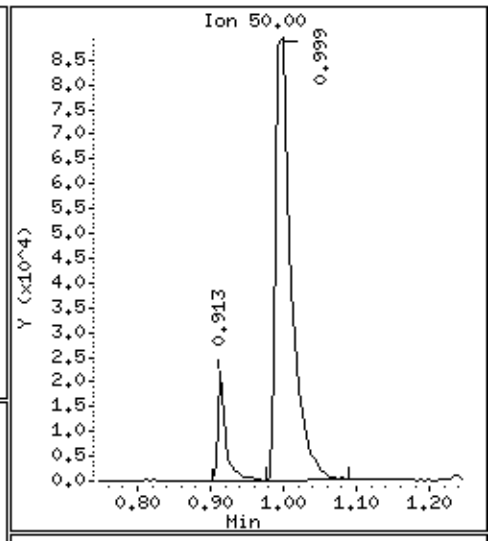
Column diameter: 0.18

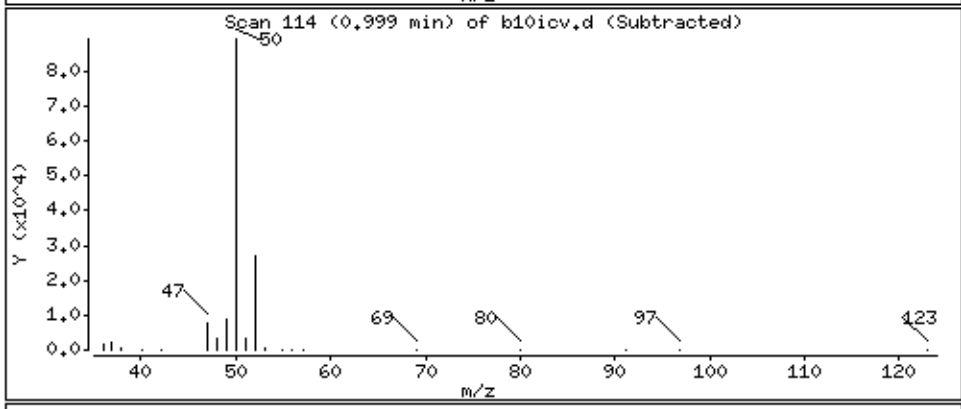
2 Chloromethane

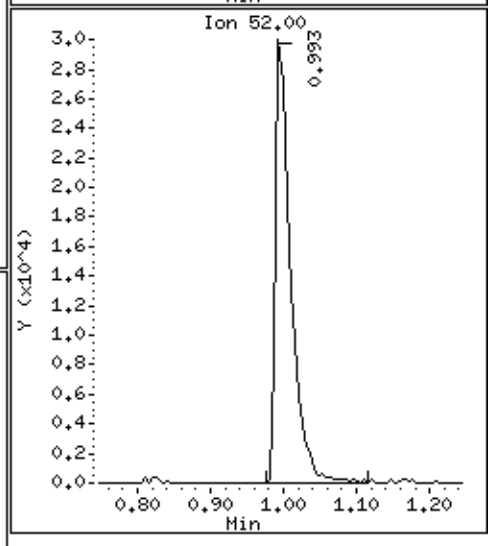
Concentration: 43.7 ppb

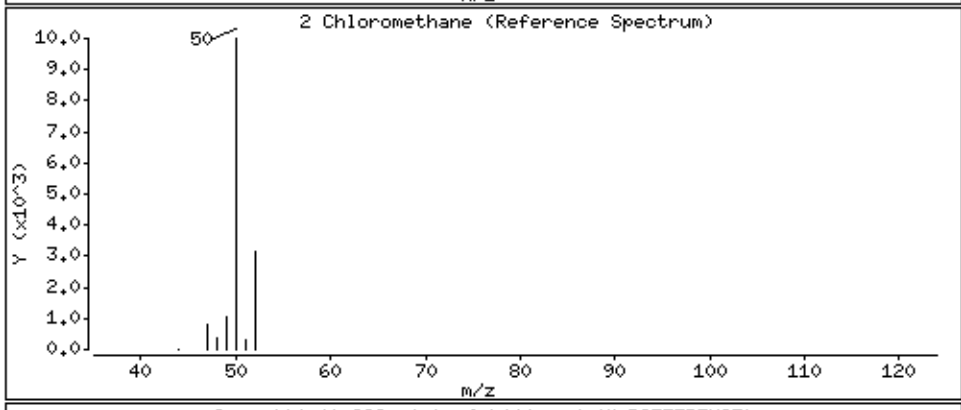
Review Code:

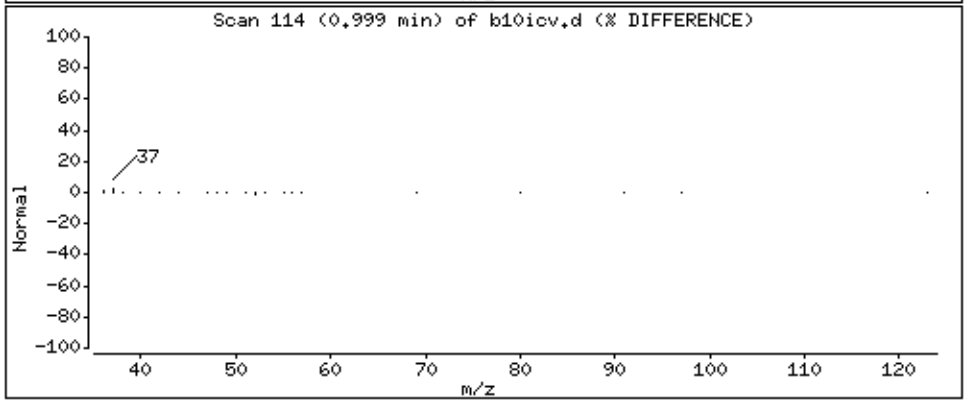












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

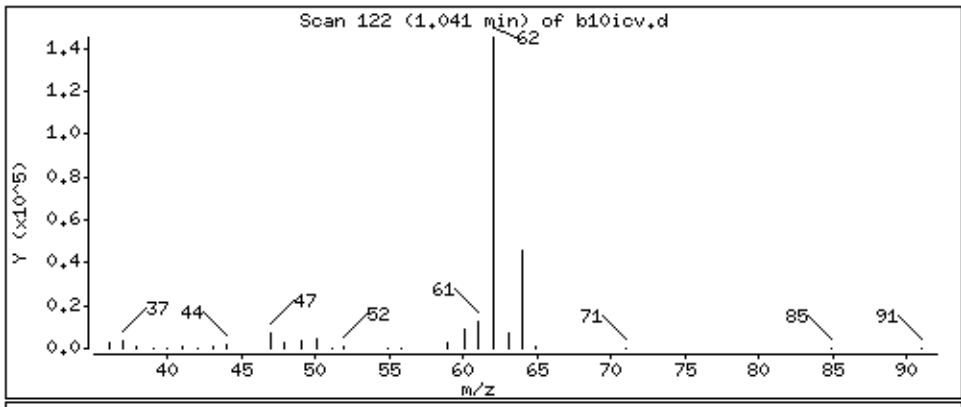
Column phase: DB-624

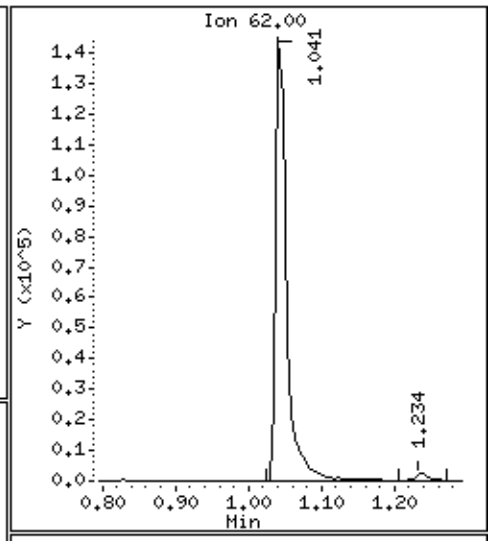
Column diameter: 0.18

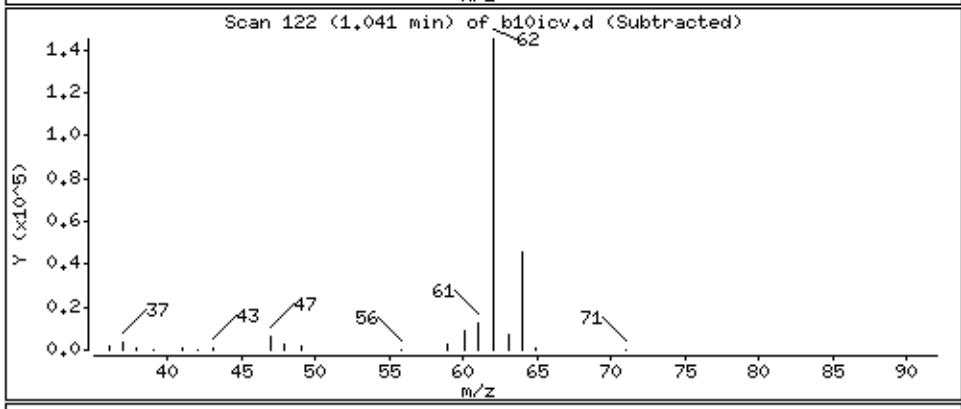
3 Vinyl Chloride

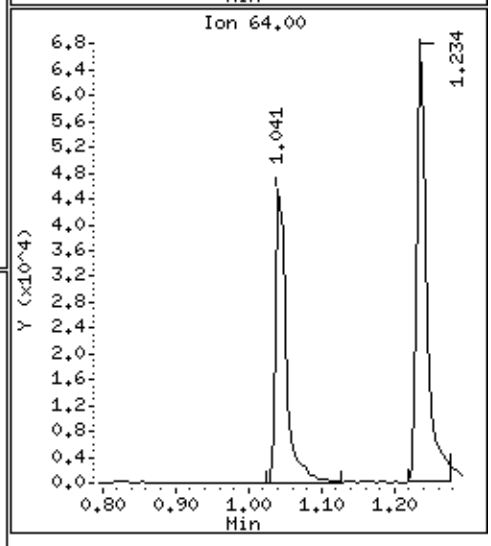
Concentration: 52.5 ppb

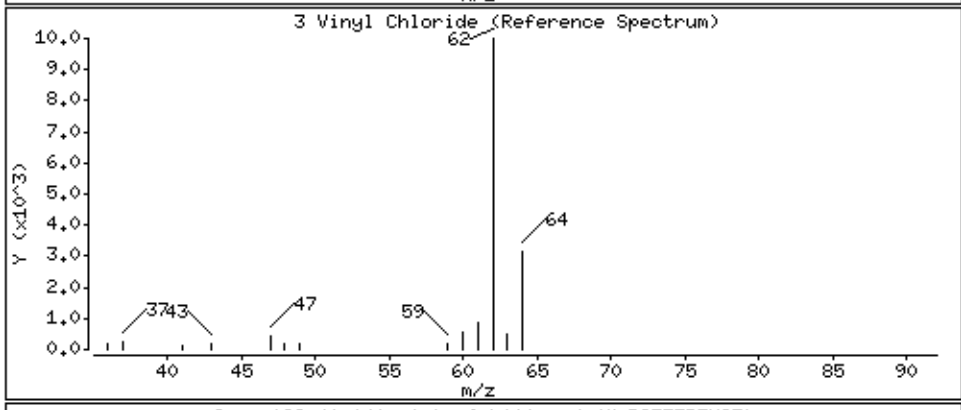
Review Code:

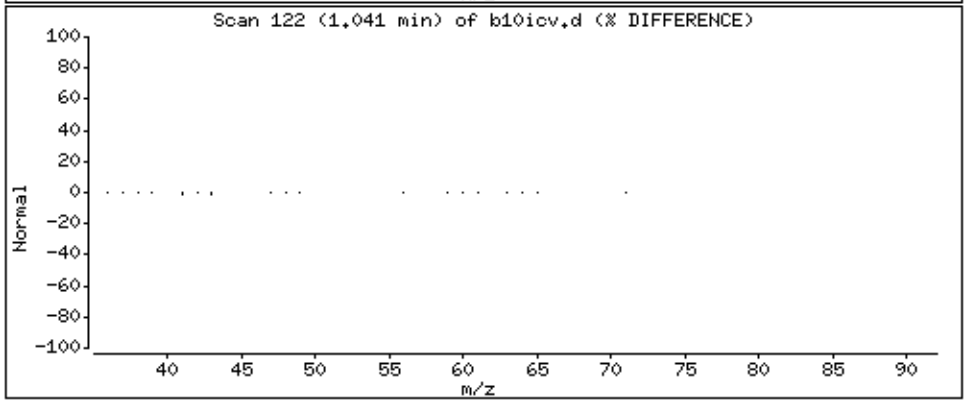












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

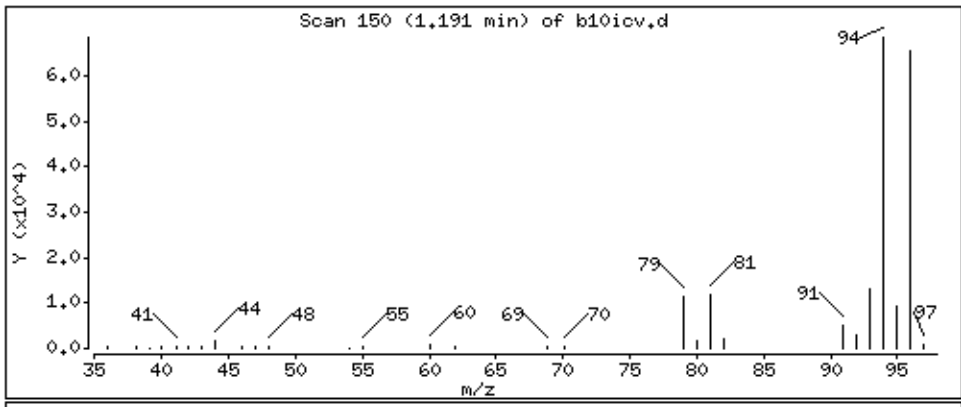
Column phase: DB-624

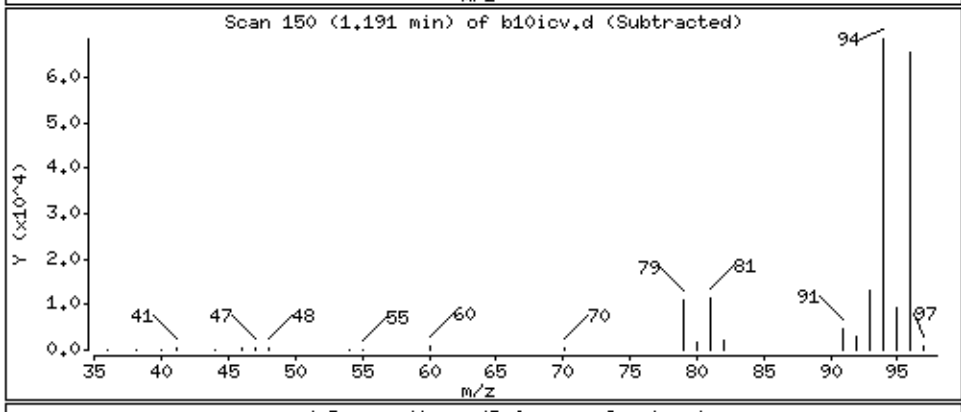
Column diameter: 0.18

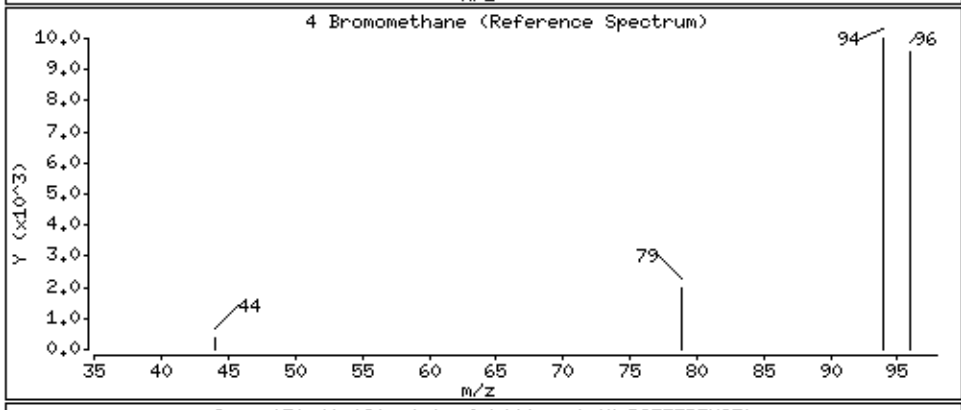
4 Bromomethane

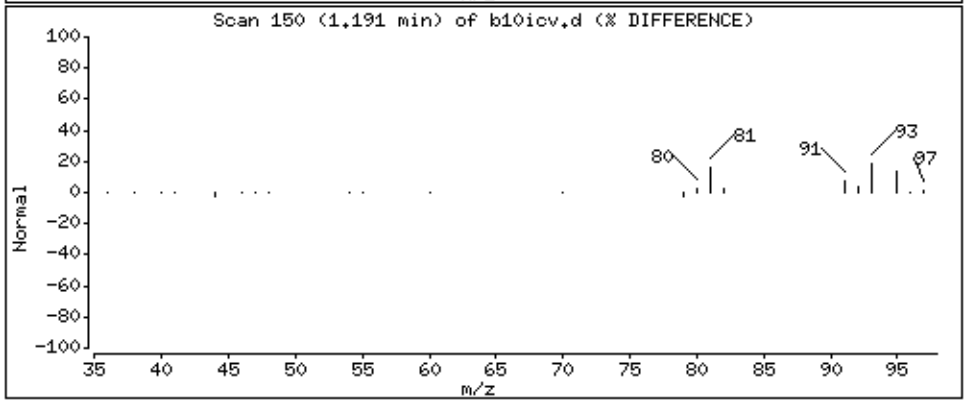
Concentration: 52.8 ppb

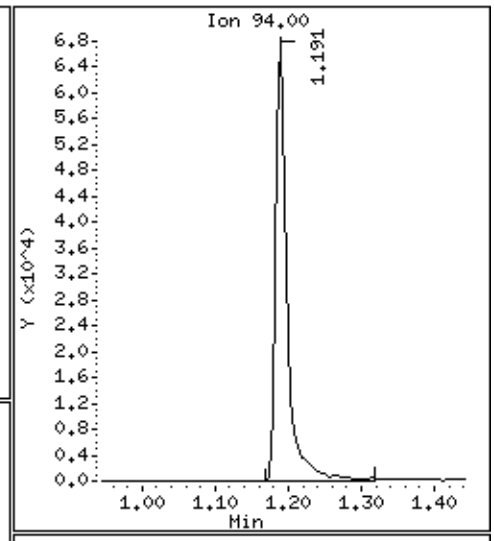
Review Code:

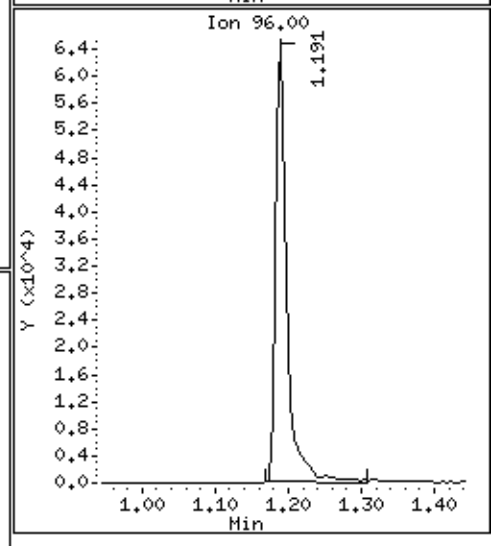












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

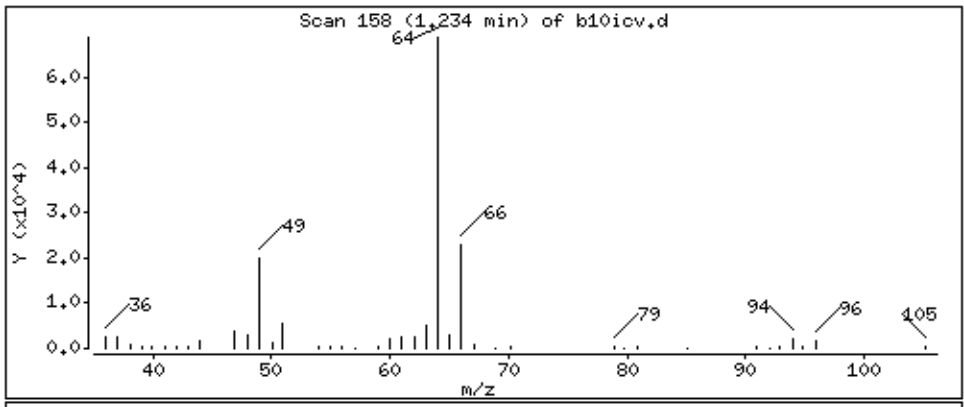
Column phase: DB-624

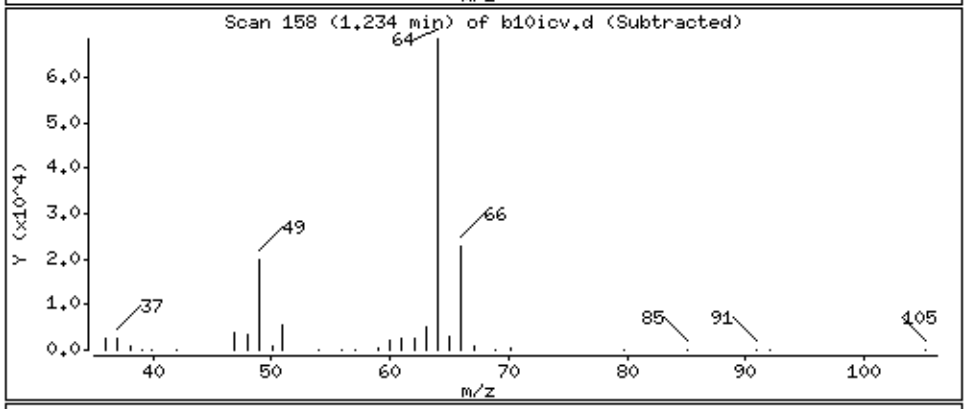
Column diameter: 0.18

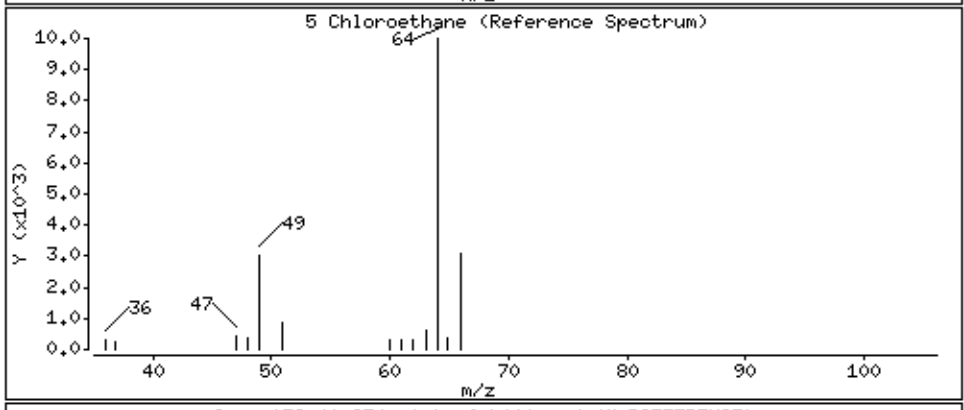
5 Chloroethane

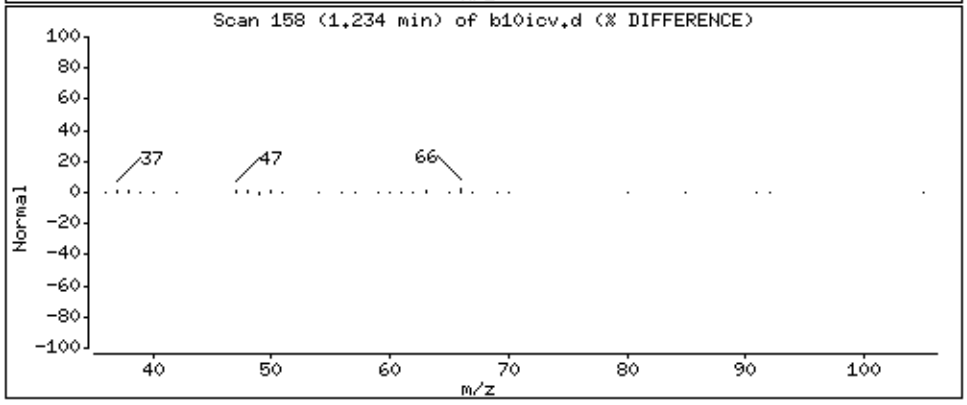
Concentration: 46.2 ppb

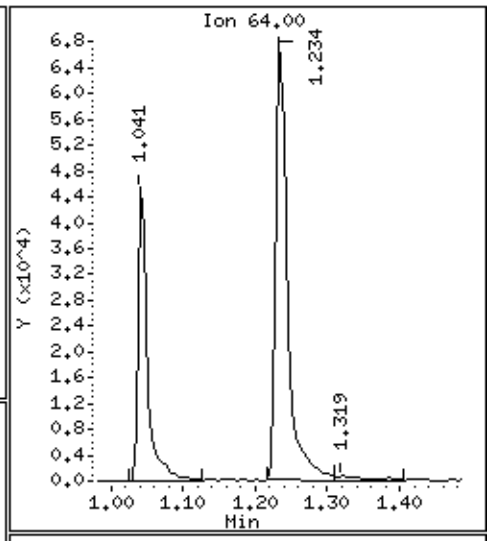
Review Code:

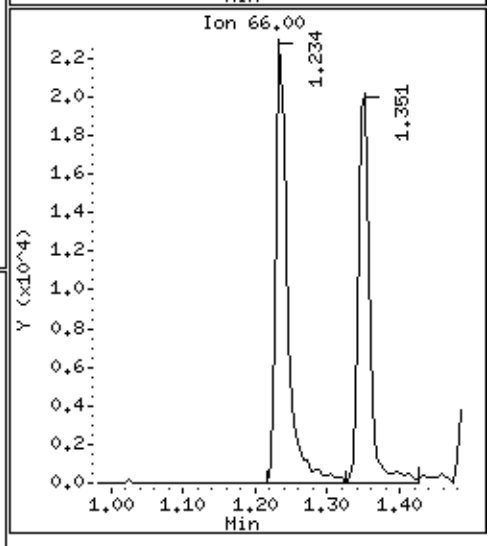












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

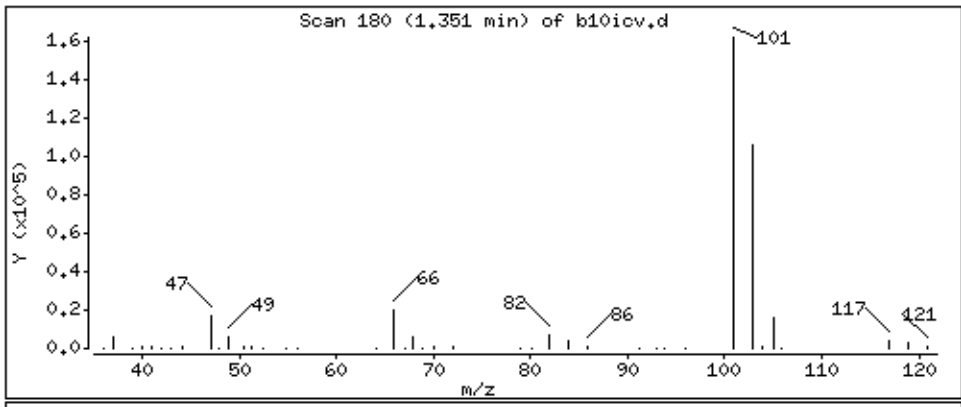
Column phase: DB-624

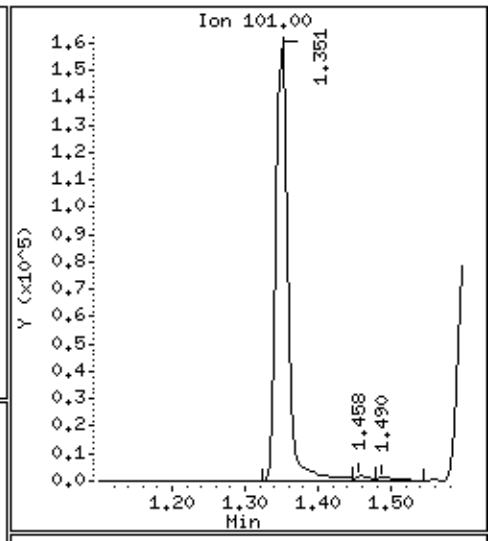
Column diameter: 0.18

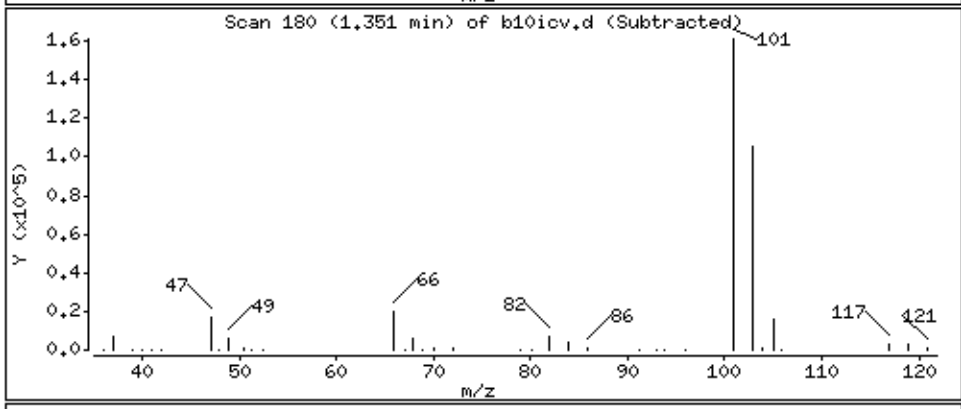
6 Trichlorofluoromethane

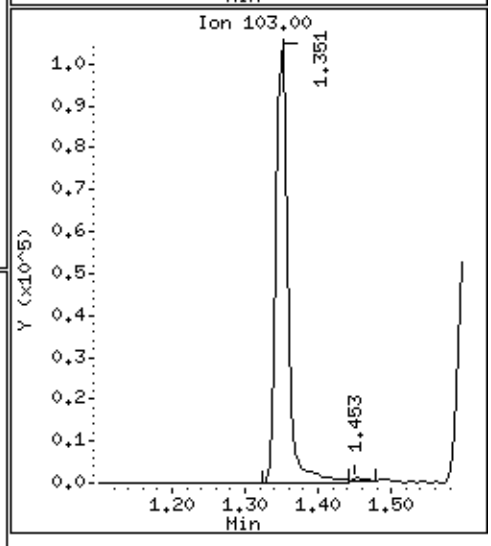
Concentration: 53.0 ppb

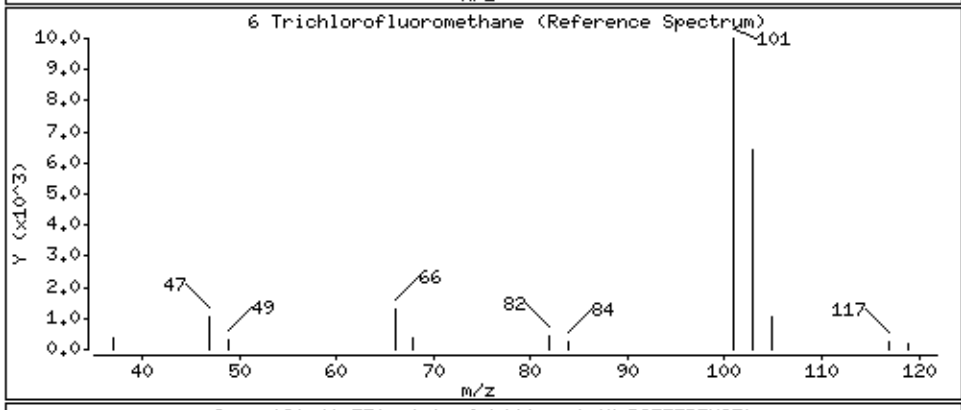
Review Code:

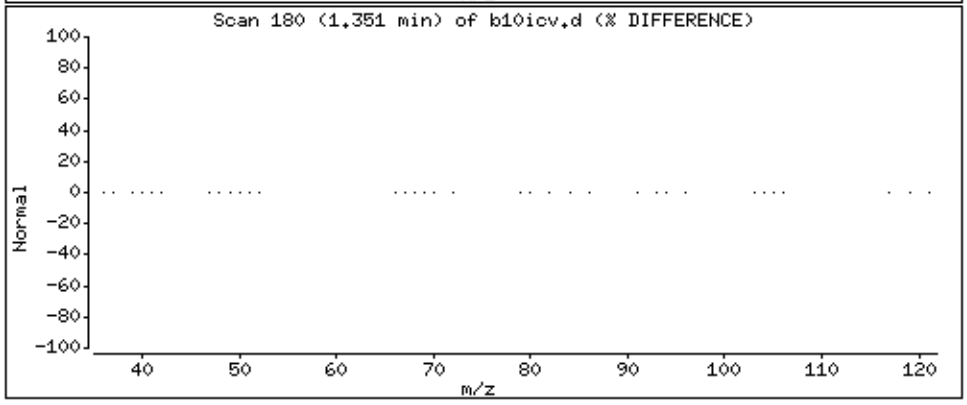












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Page 11

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

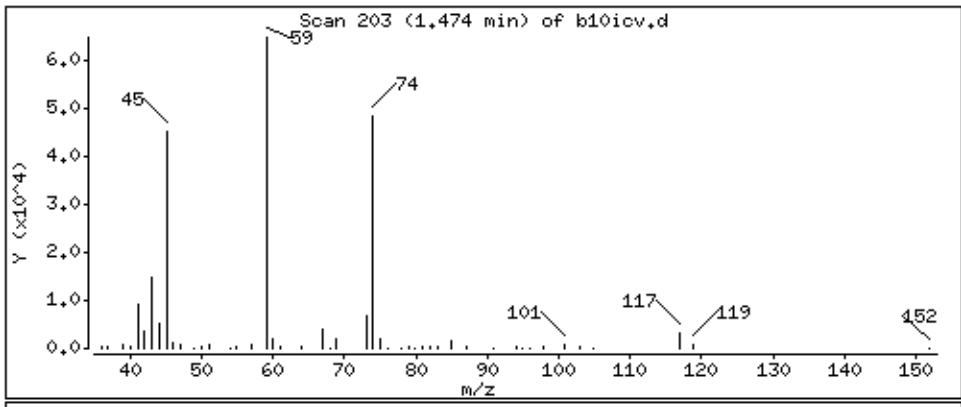
Column phase: DB-624

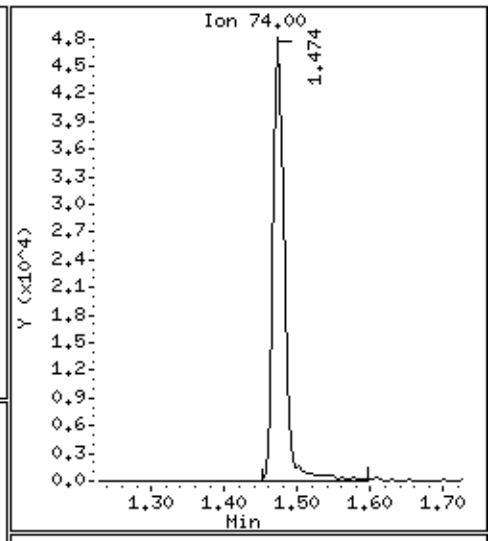
Column diameter: 0.18

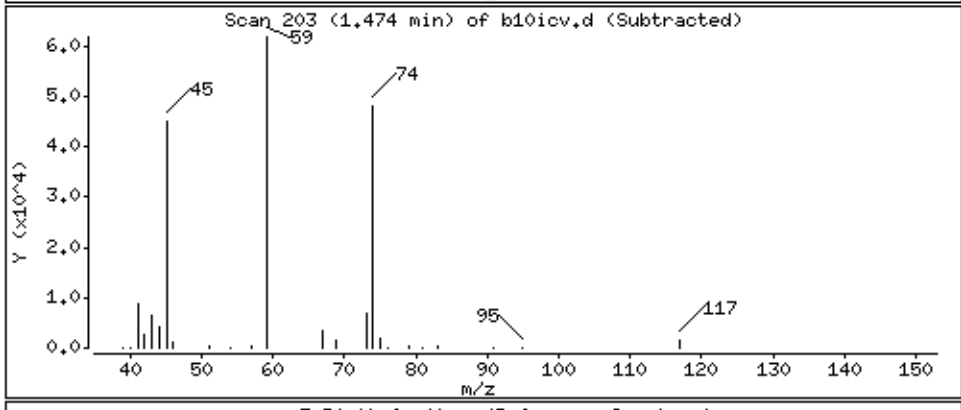
7 Diethyl ether

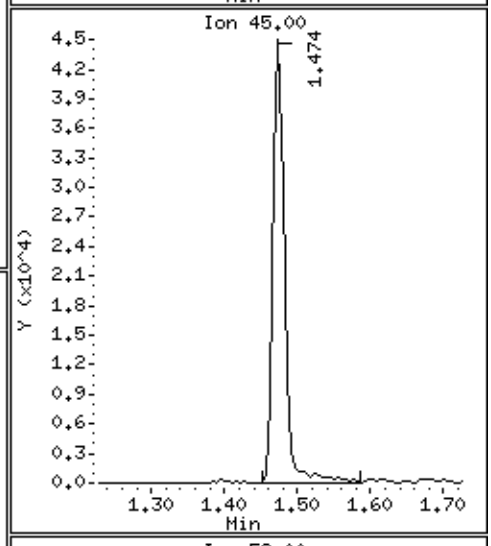
Concentration: 49.3 ppb

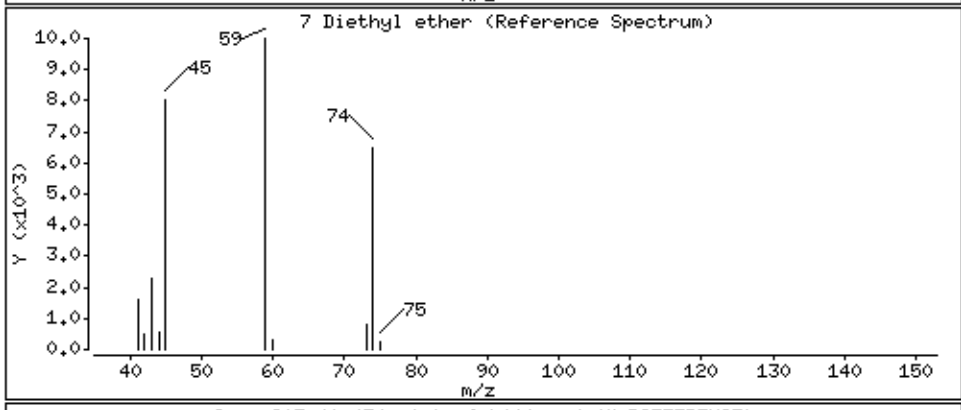
Review Code:

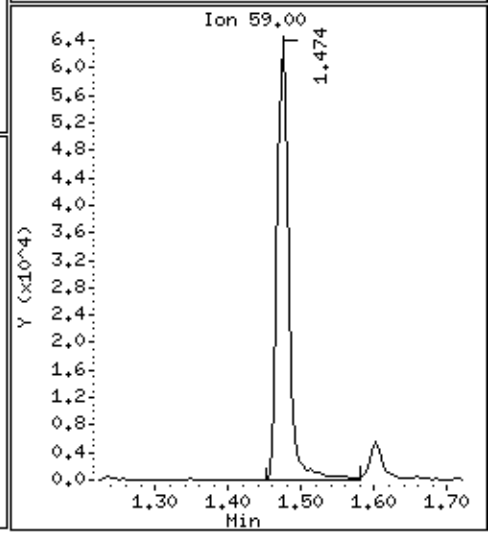


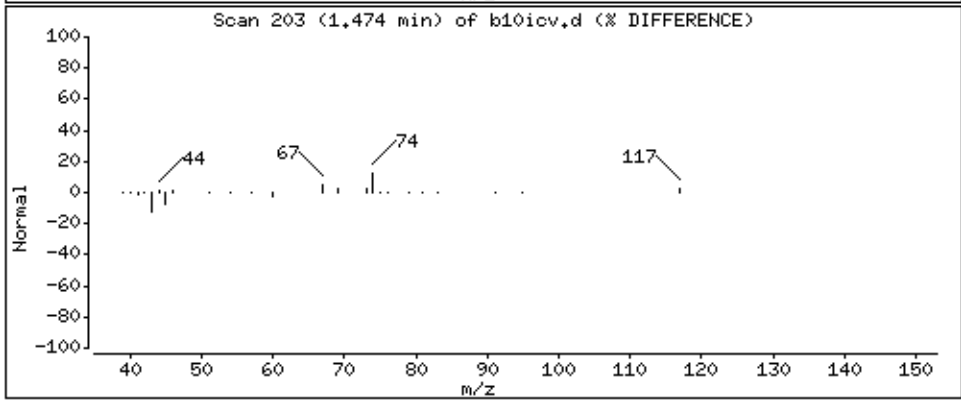












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

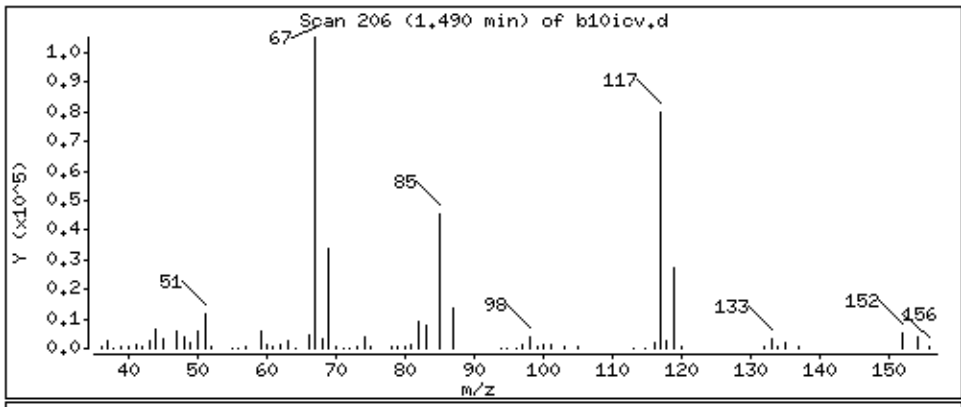
Column phase: DB-624

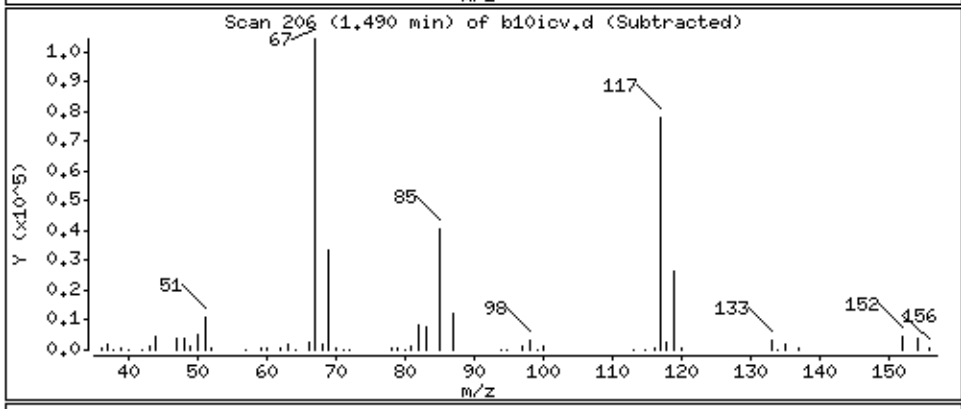
Column diameter: 0.18

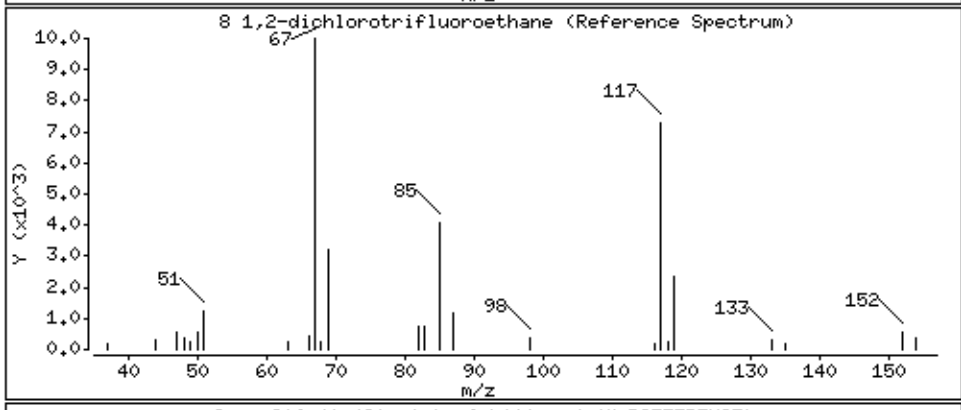
8 1,2-dichlorotrifluoroethane

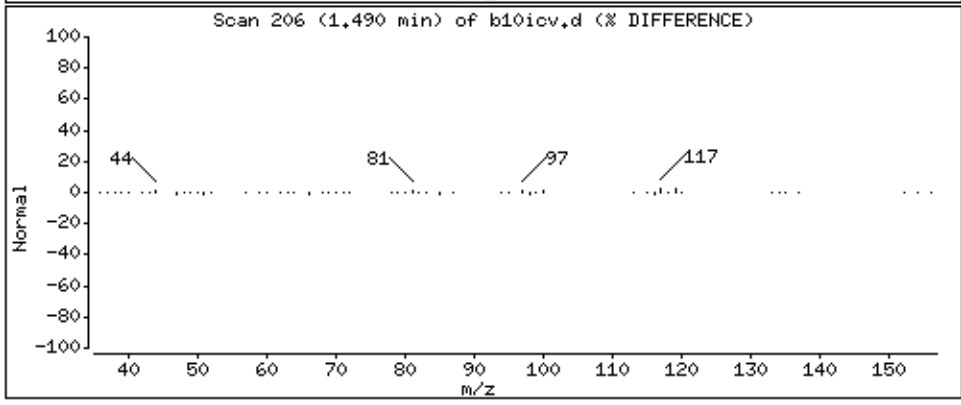
Concentration: 49.1 ppb

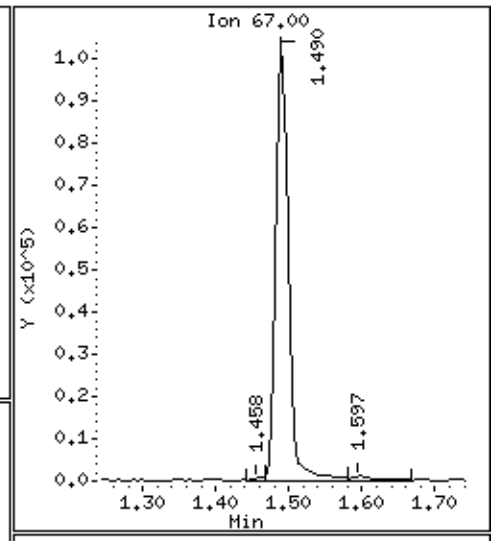
Review Code:

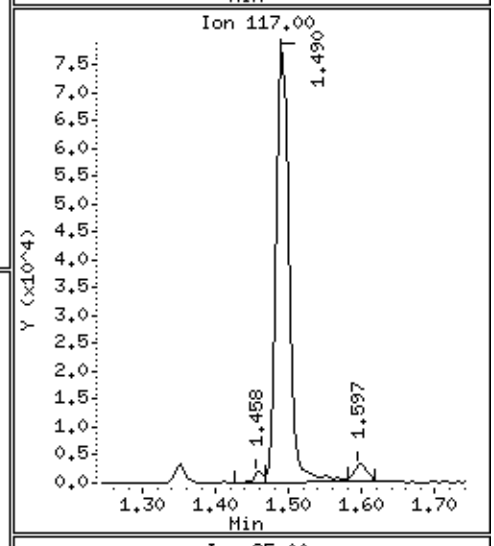


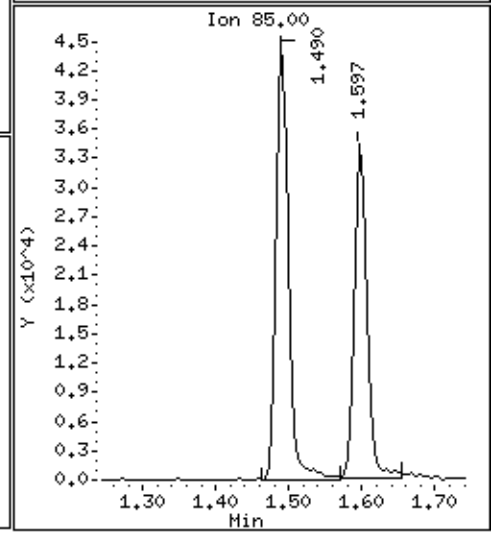












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

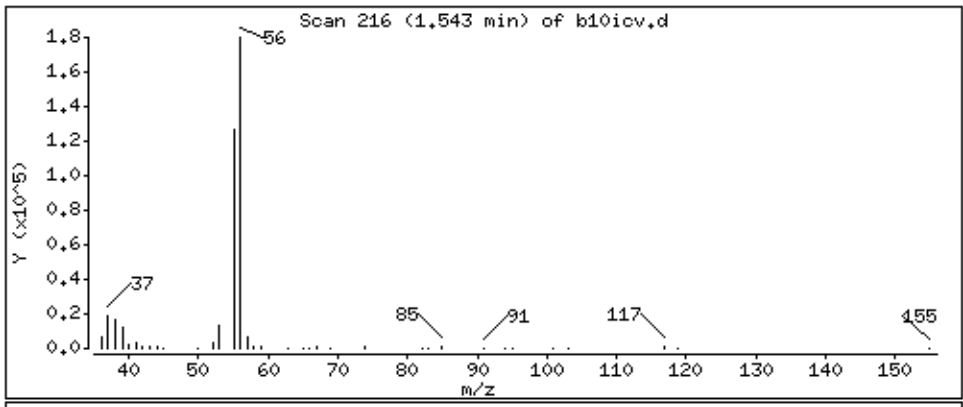
Column phase: DB-624

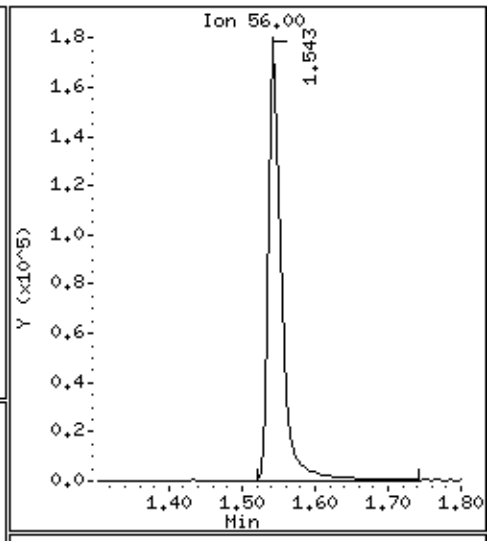
Column diameter: 0.18

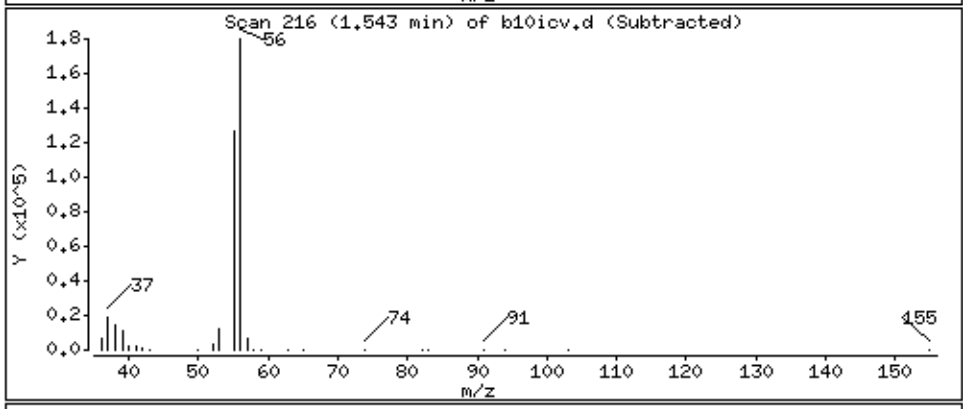
9 Acrolein

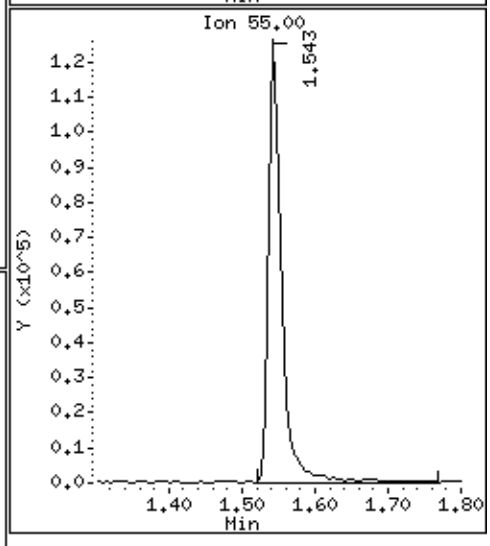
Concentration: 2390 ppb

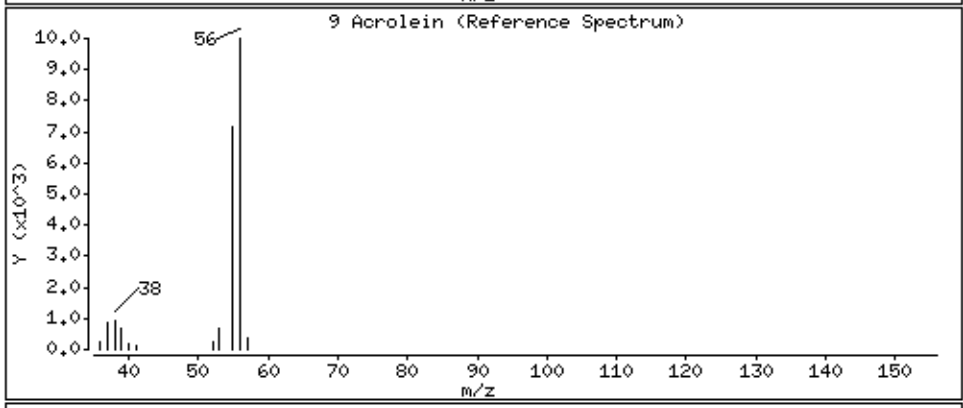
Review Code:

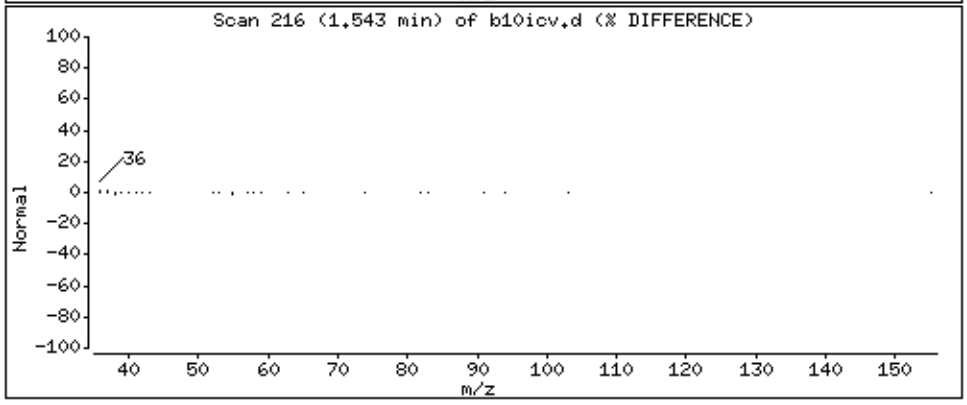












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

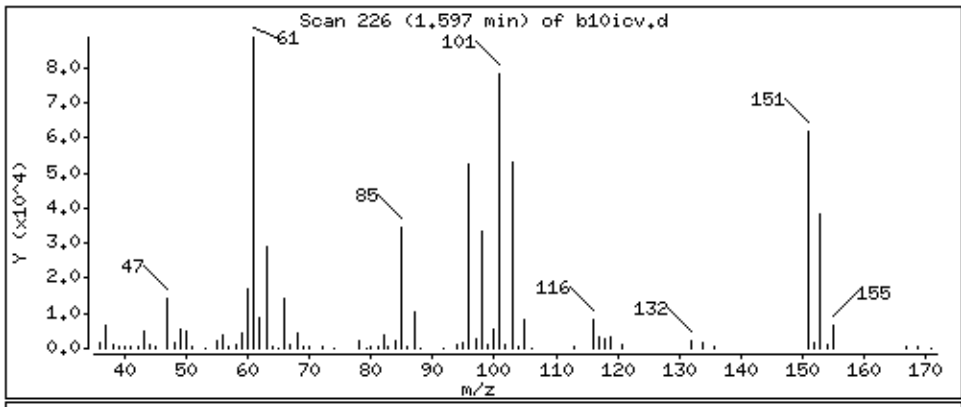
Column phase: DB-624

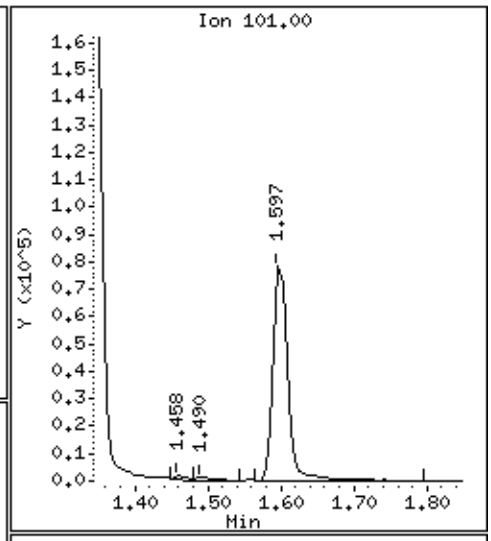
Column diameter: 0.18

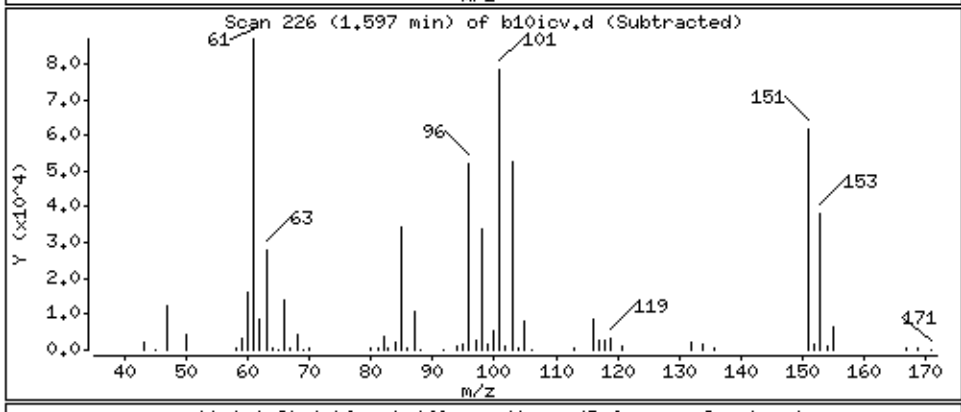
10 1,1,2trichlorotrifluoroethane

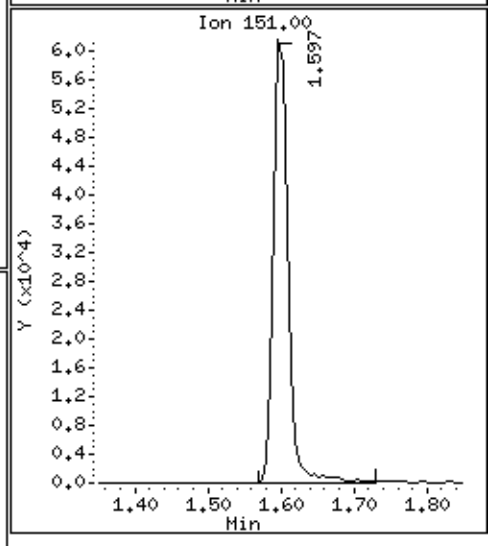
Concentration: 53.8 ppb

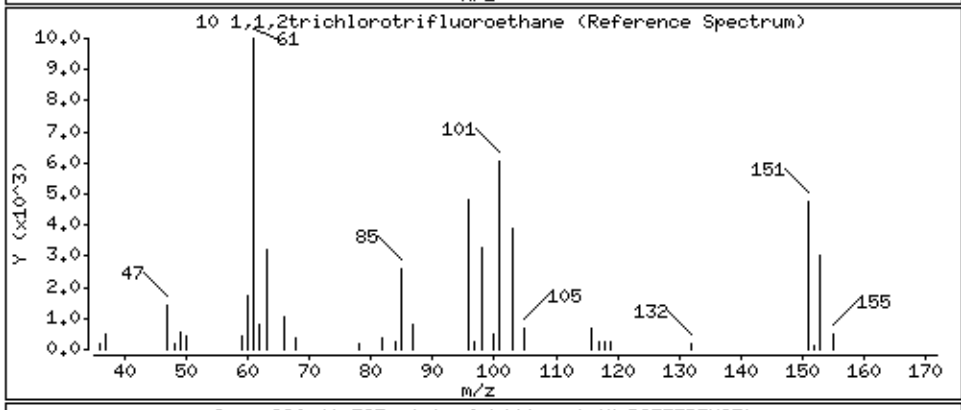
Review Code:

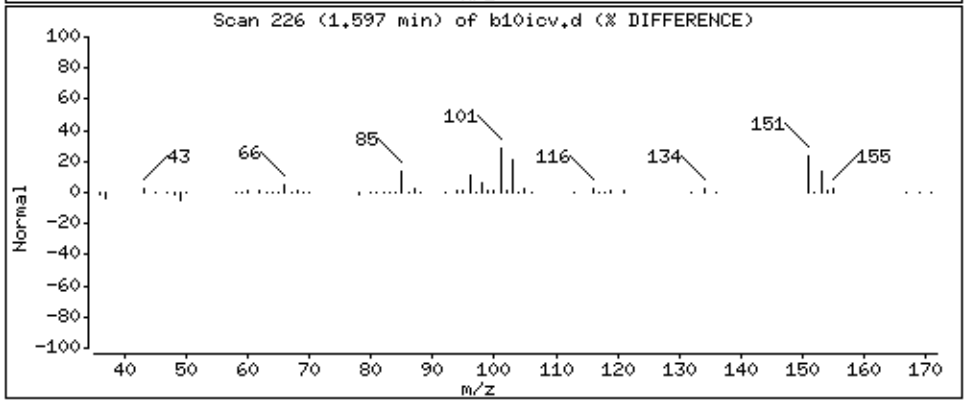












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

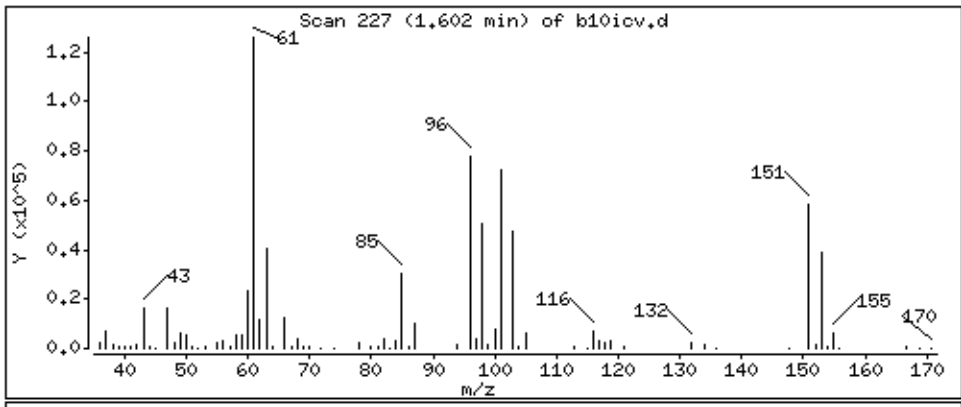
Column phase: DB-624

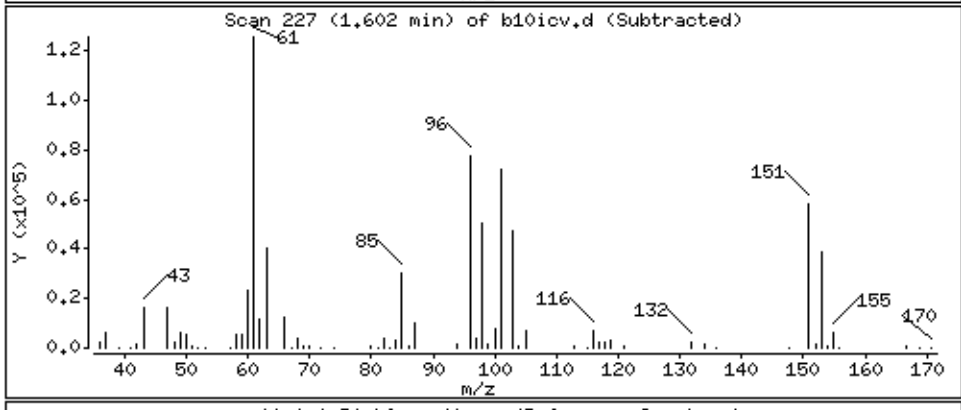
Column diameter: 0.18

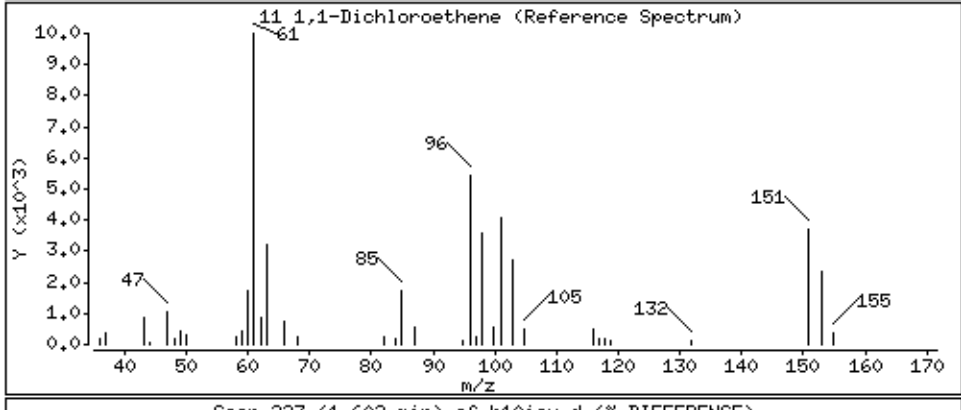
11 1,1-Dichloroethene

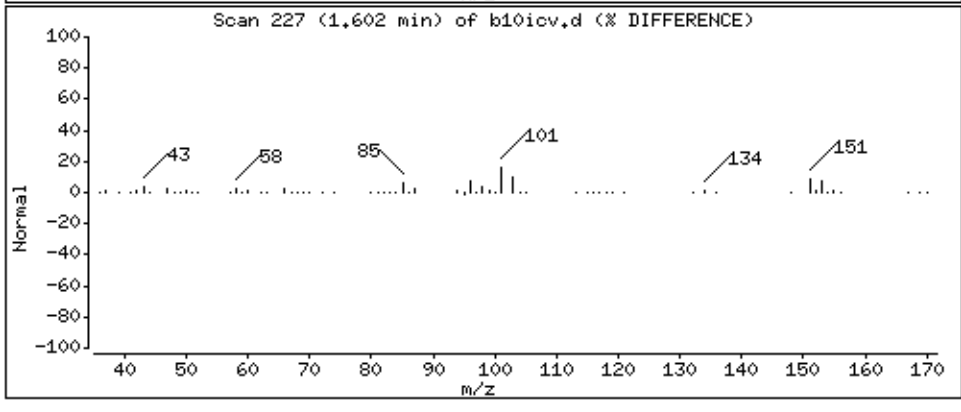
Concentration: 52.8 ppb

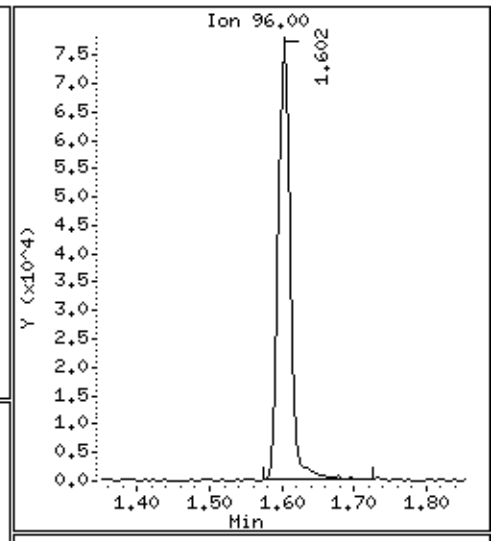
Review Code:

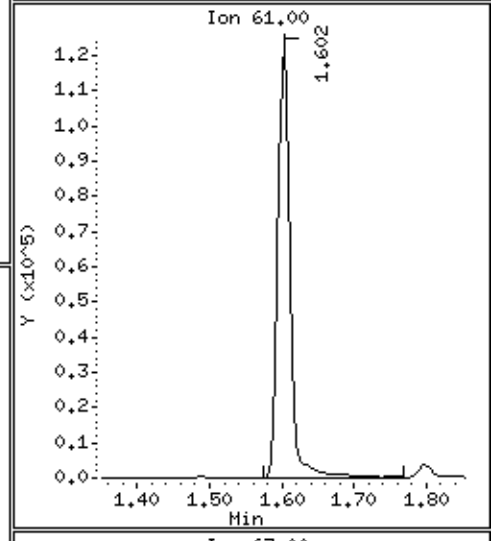


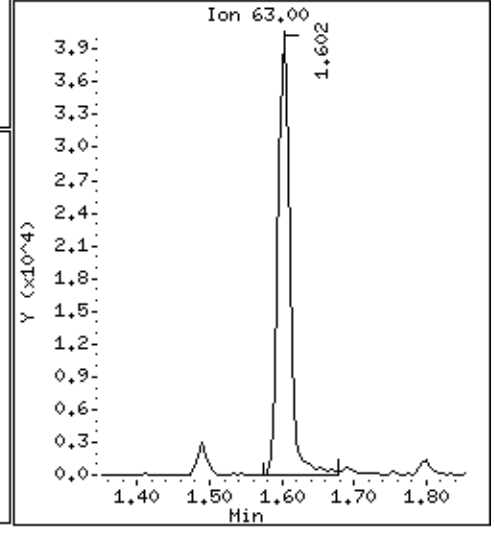












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

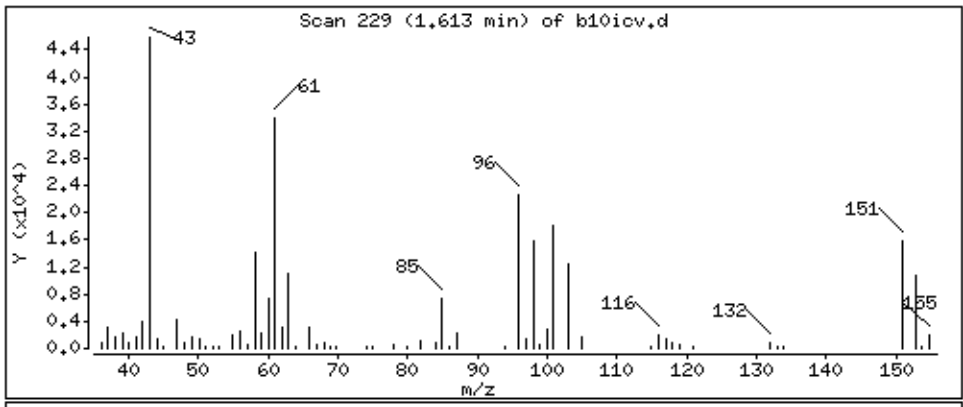
Column phase: DB-624

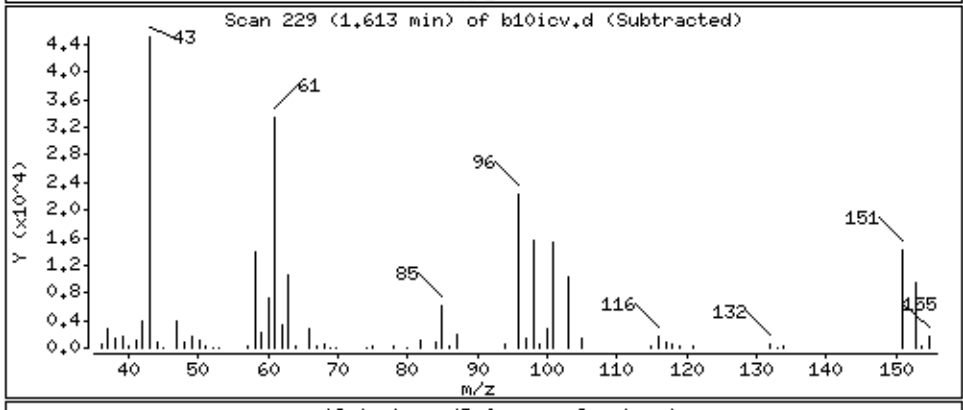
Column diameter: 0.18

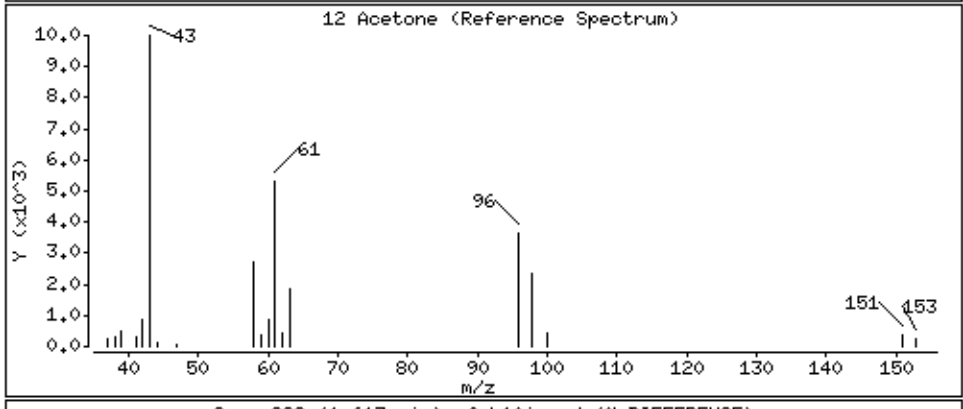
12 Acetone

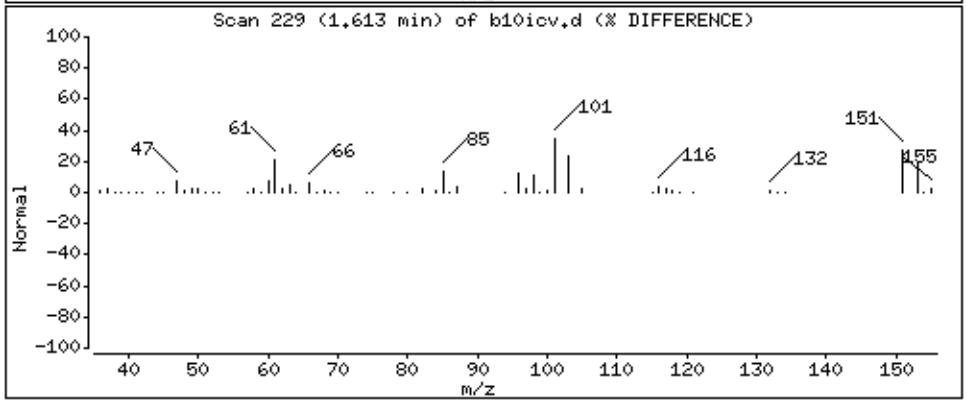
Concentration: 203 ppb

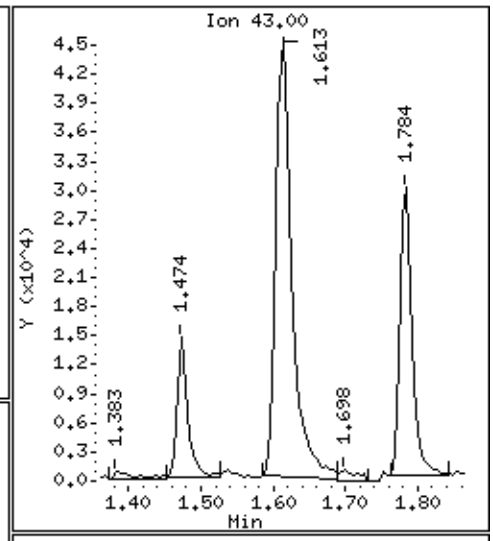
Review Code:

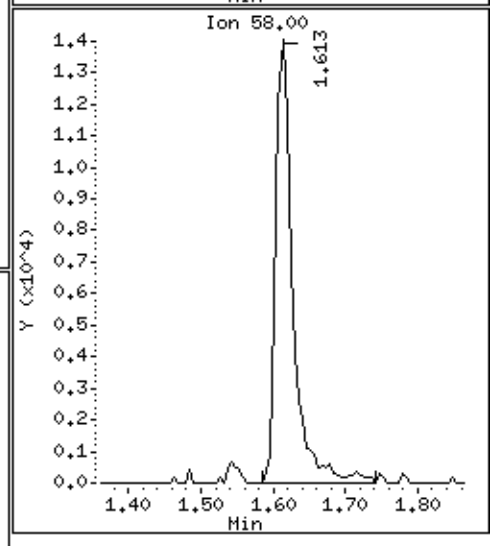












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

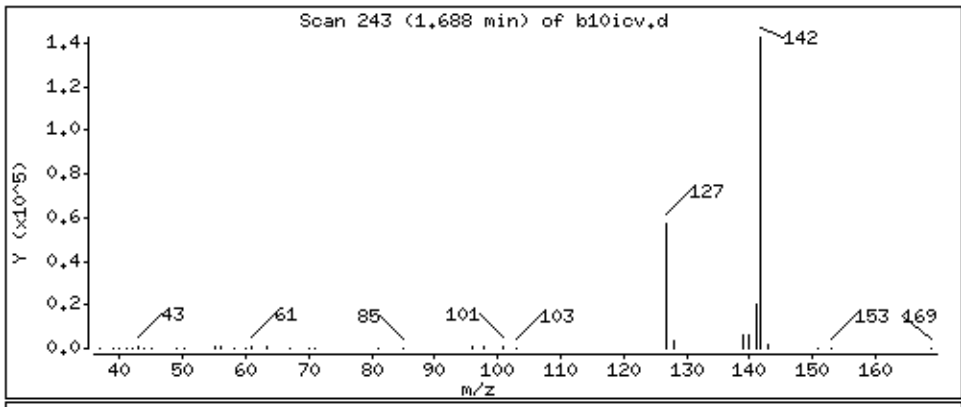
Column phase: DB-624

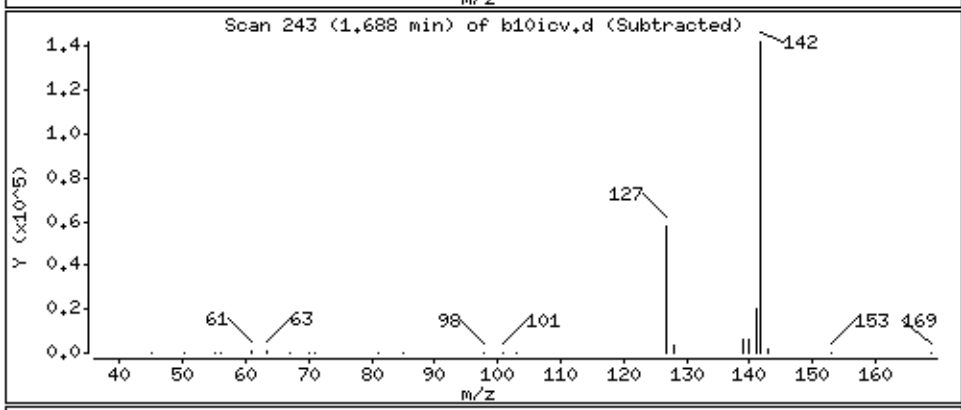
Column diameter: 0.18

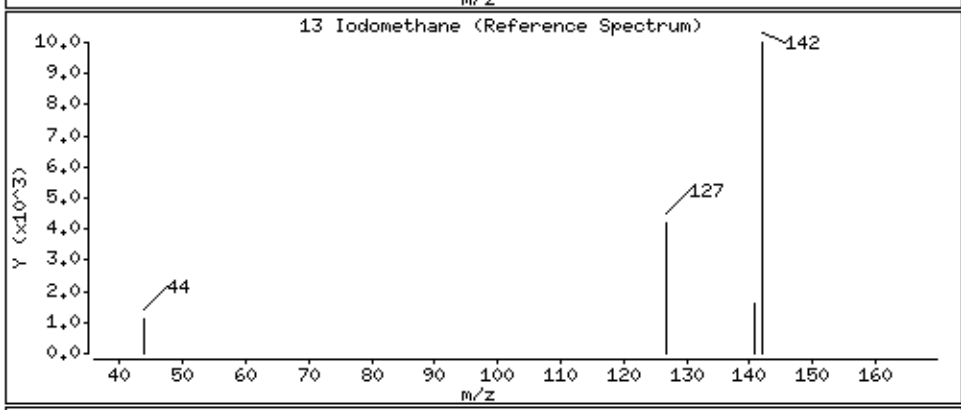
13 Iodomethane

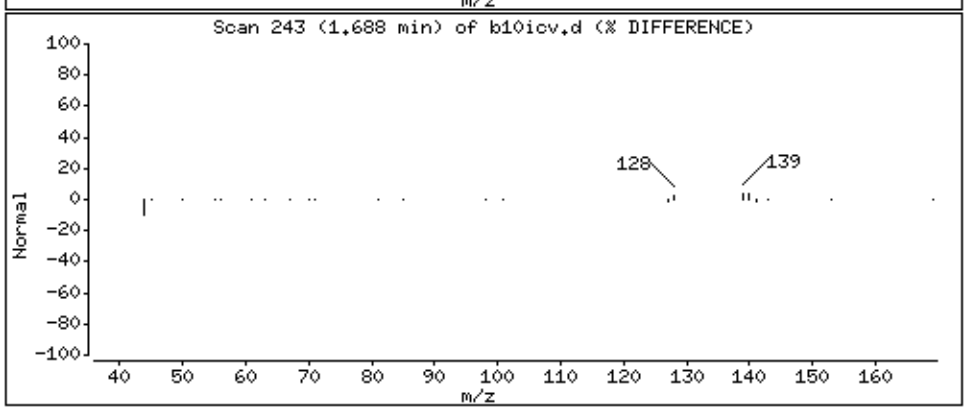
Concentration: 113 ppb

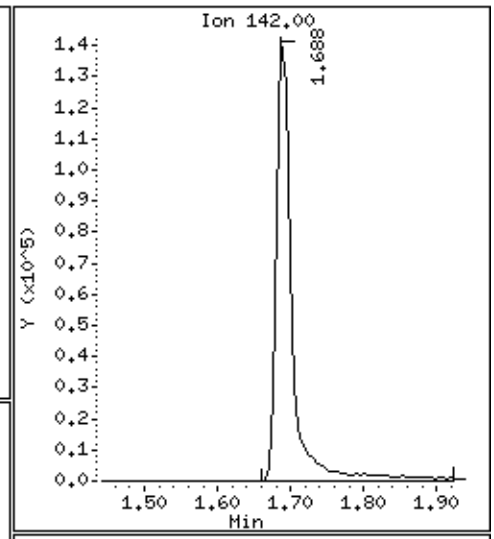
Review Code:

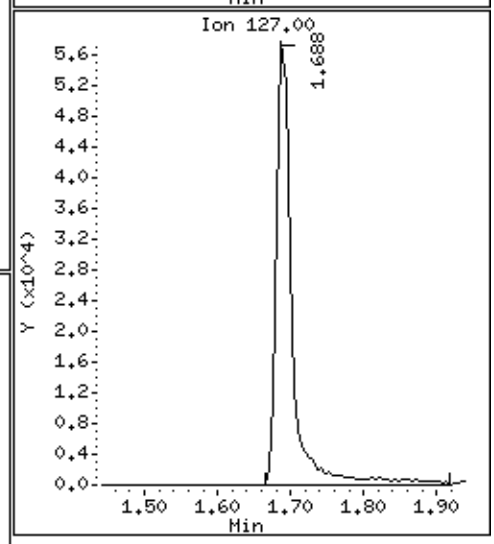












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

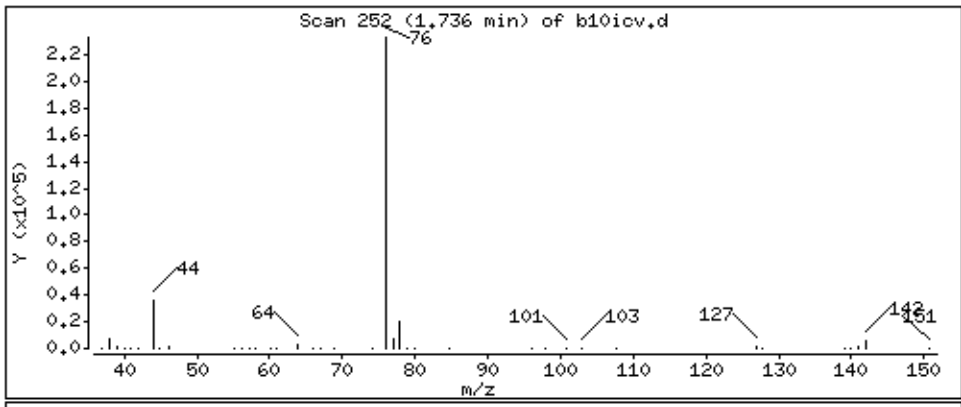
Column phase: DB-624

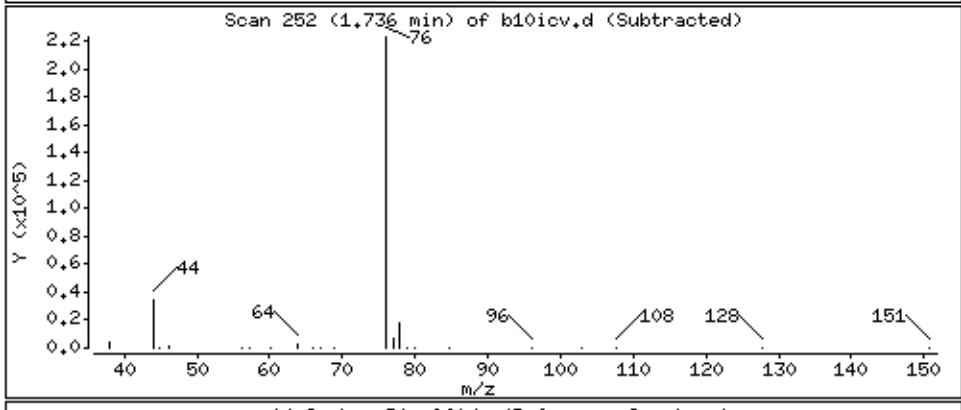
Column diameter: 0.18

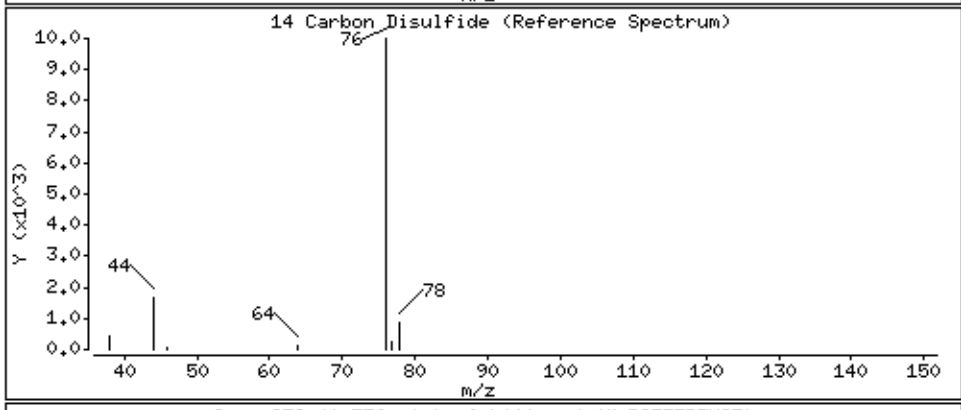
14 Carbon Disulfide

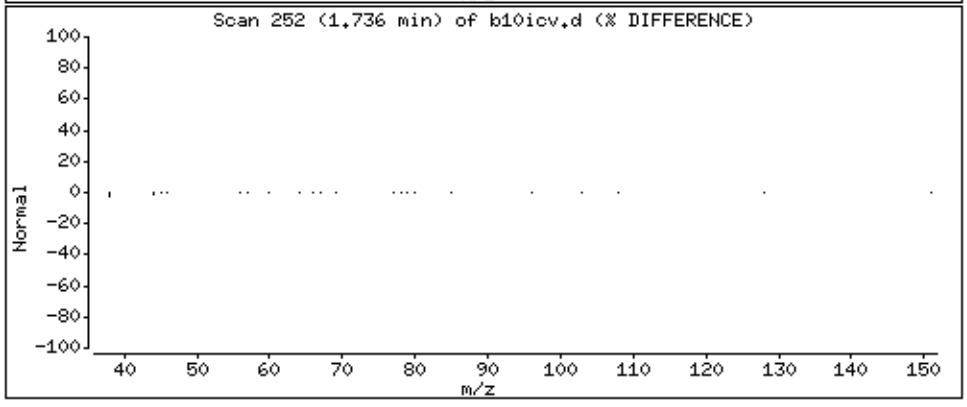
Concentration: 47.2 ppb

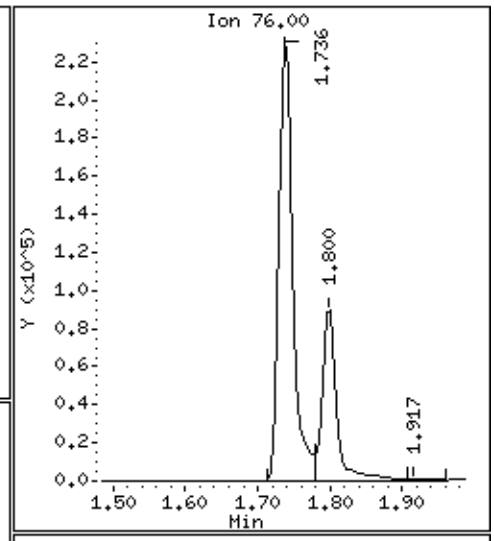
Review Code:

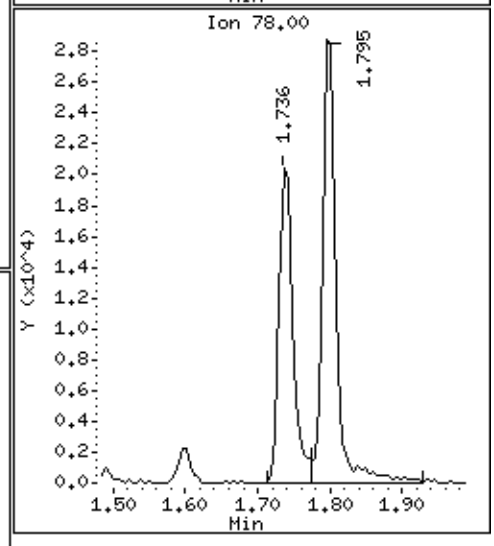












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

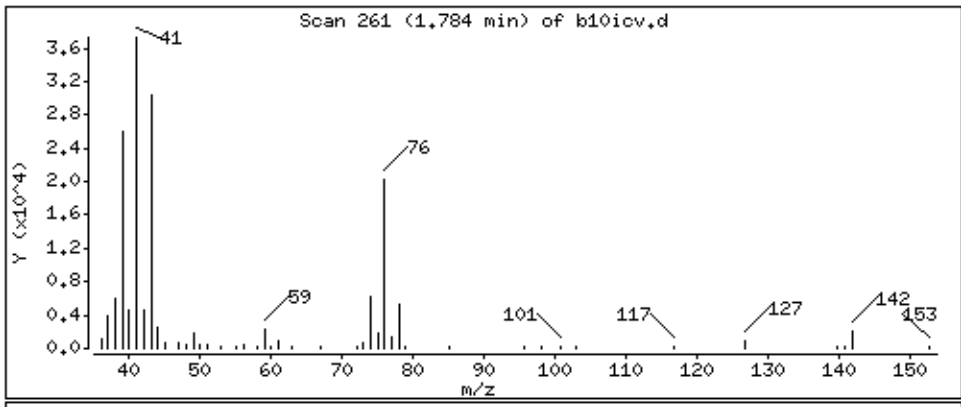
Column phase: DB-624

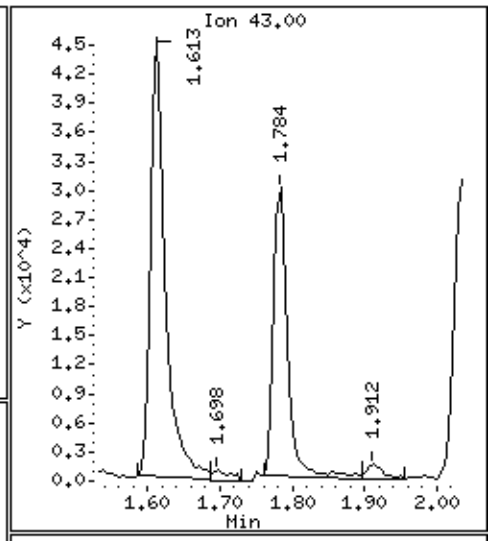
Column diameter: 0.18

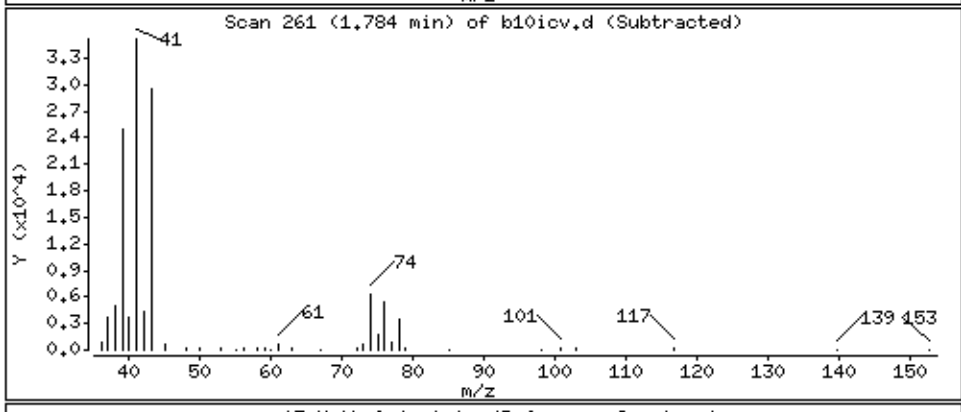
15 Methyl Acetate

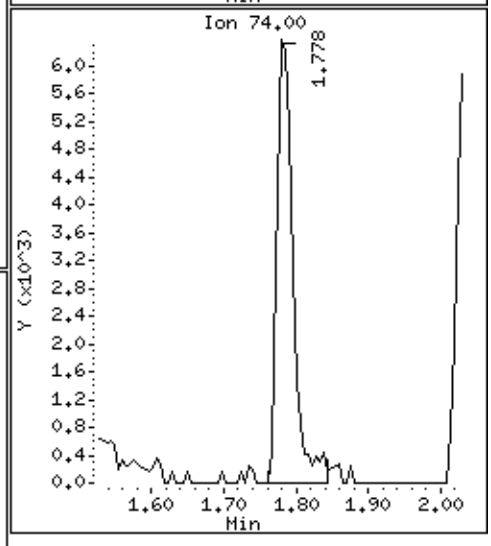
Concentration: 33.2 ppb

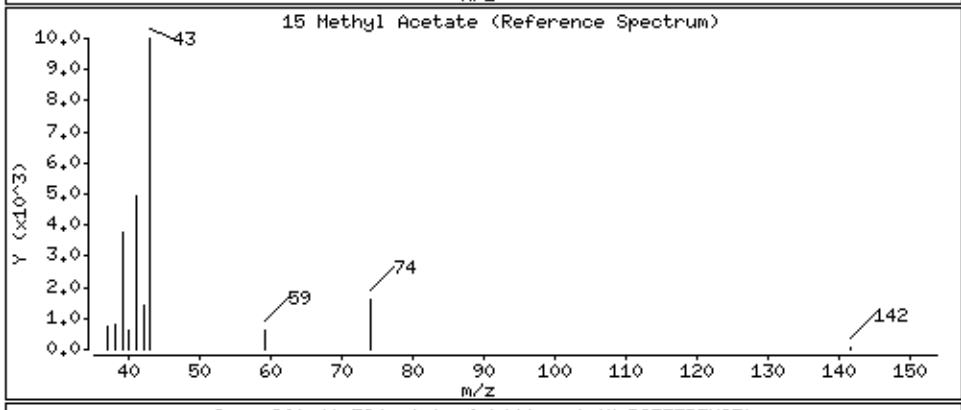
Review Code:

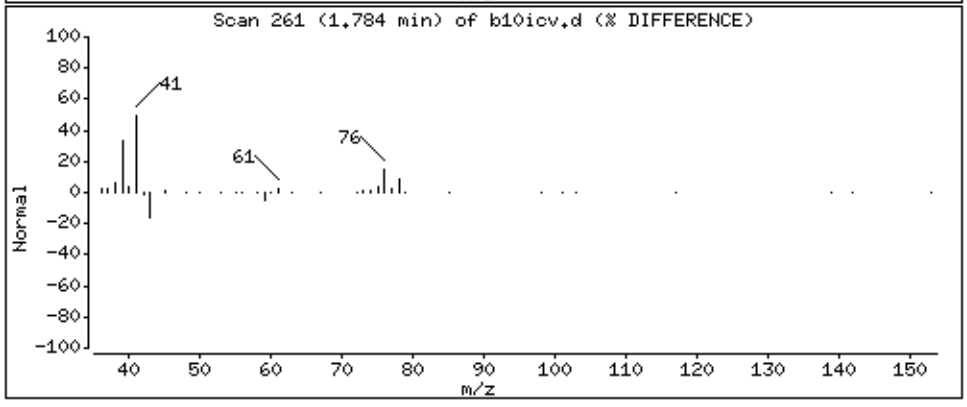












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

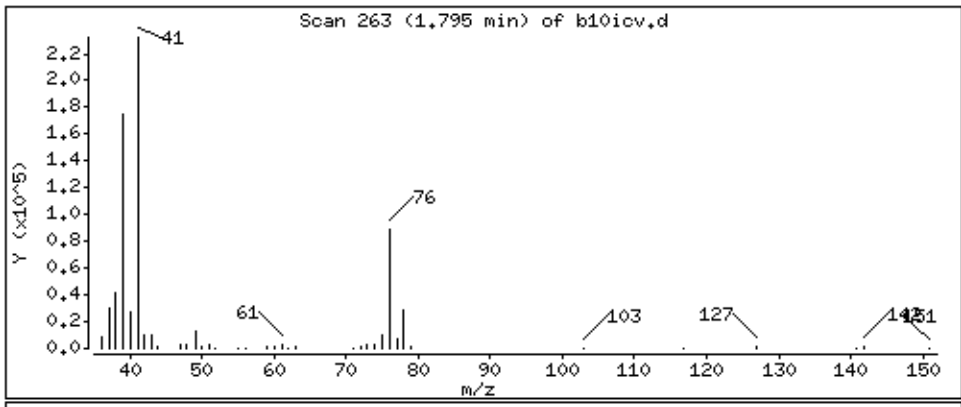
Column phase: DB-624

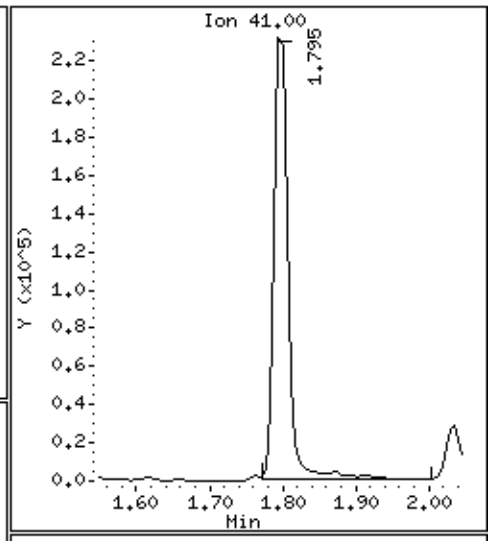
Column diameter: 0.18

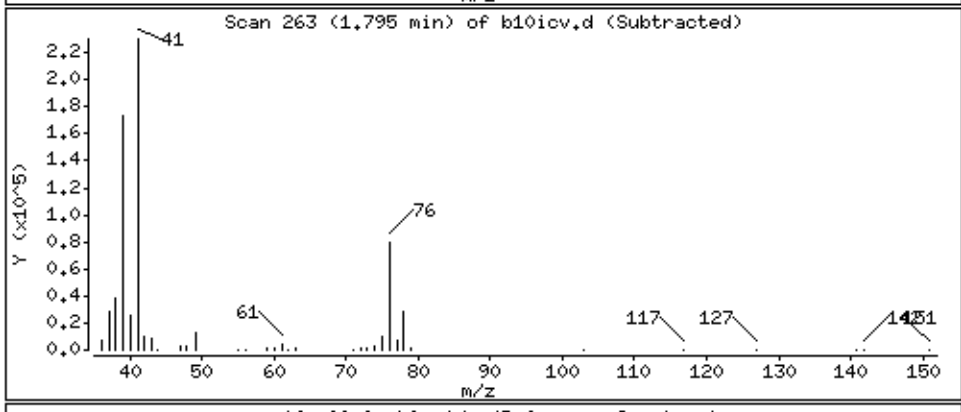
16 allyl chloride

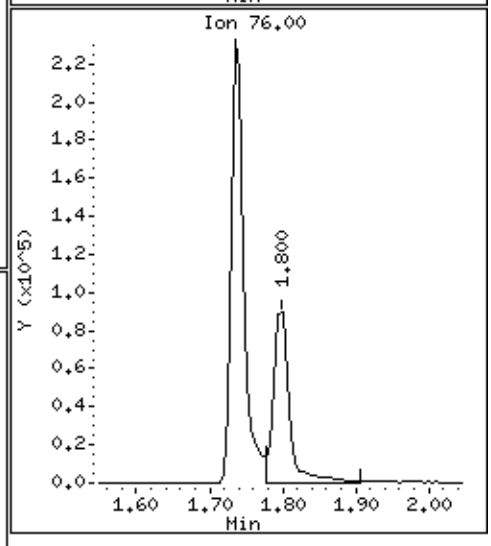
Concentration: 107 ppb

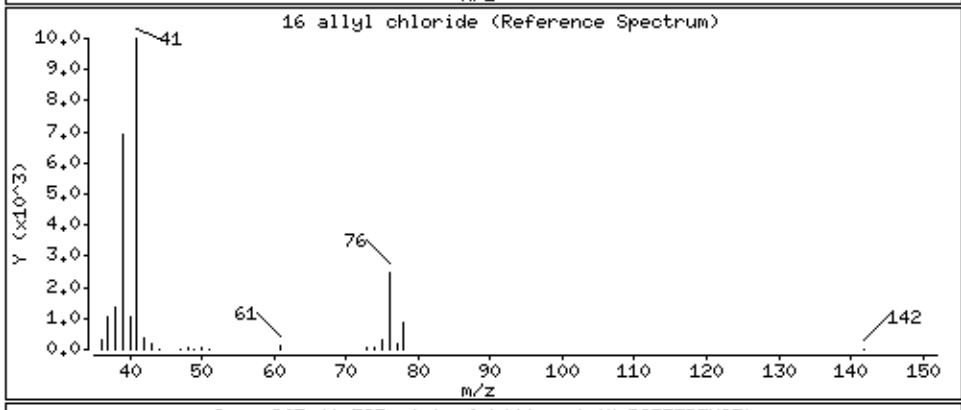
Review Code:

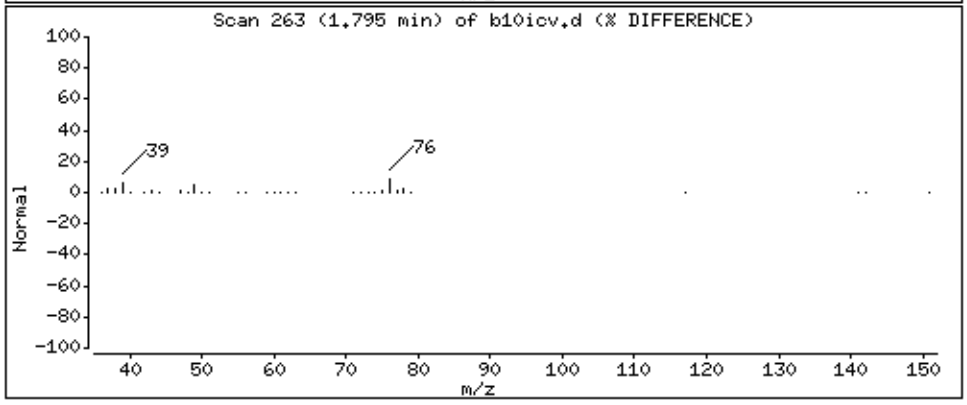












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

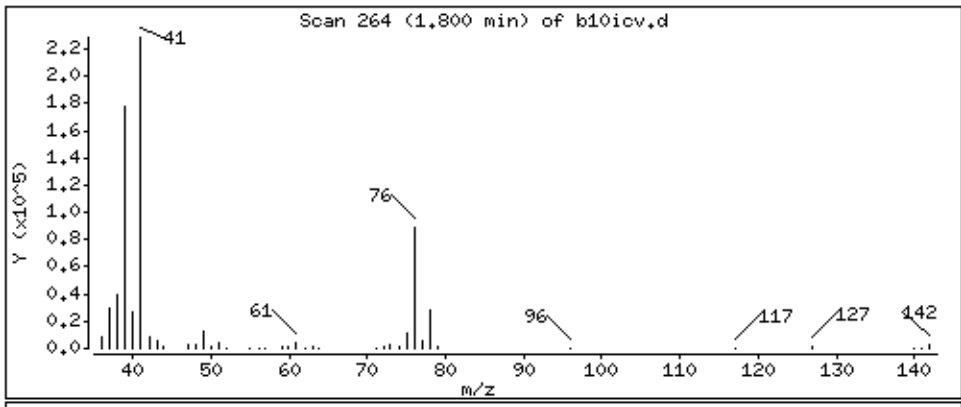
Column phase: DB-624

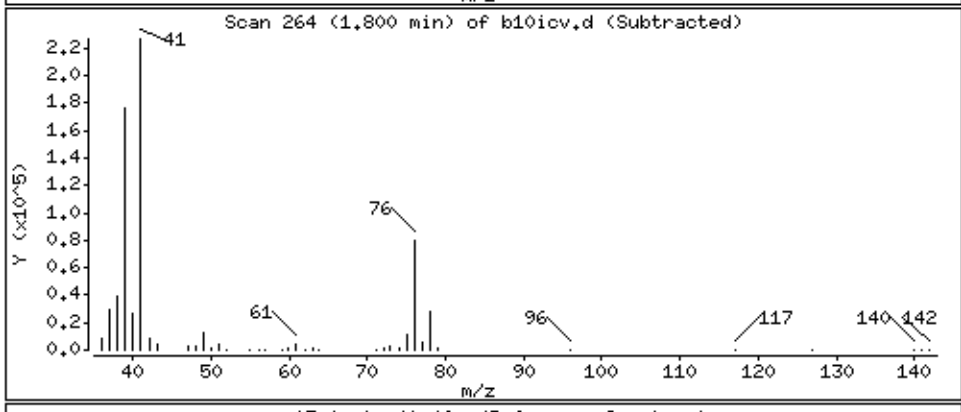
Column diameter: 0.18

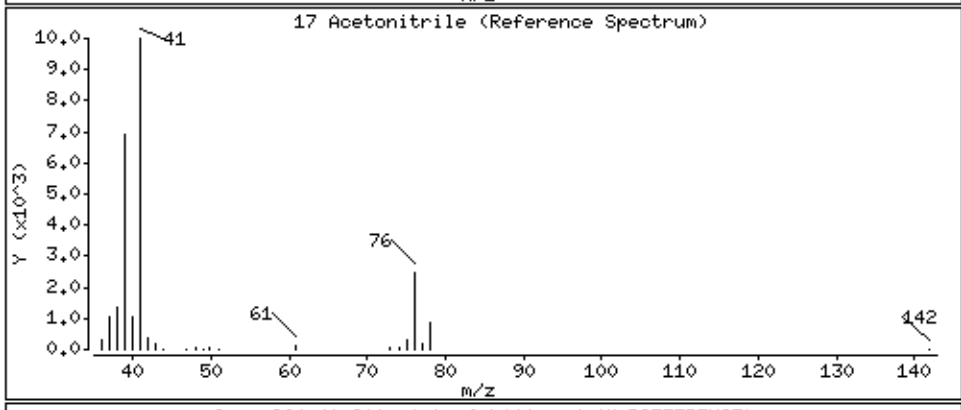
17 Acetonitrile

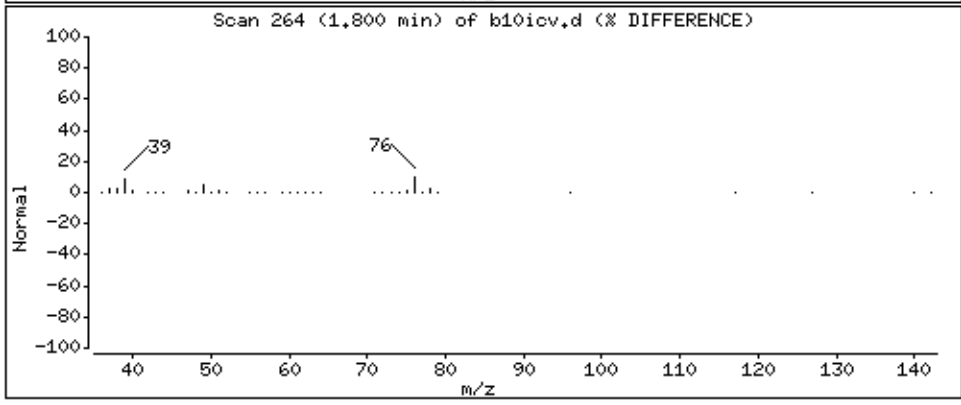
Concentration: 53.0 ppb

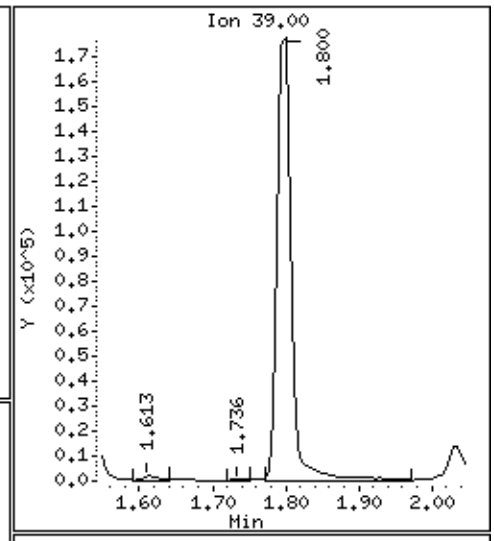
Review Code:

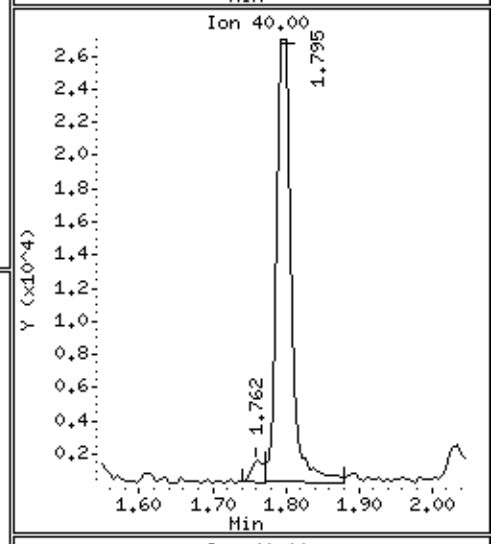


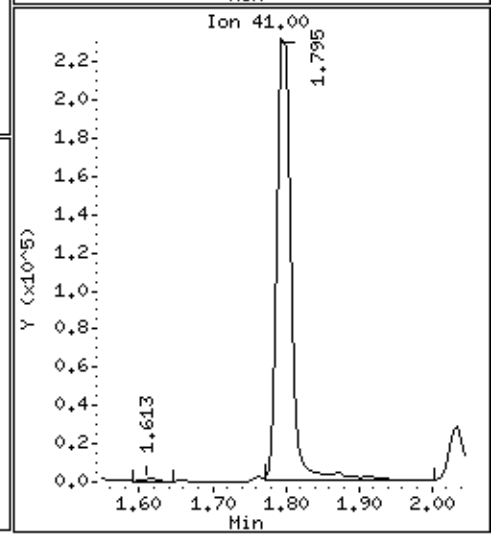












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

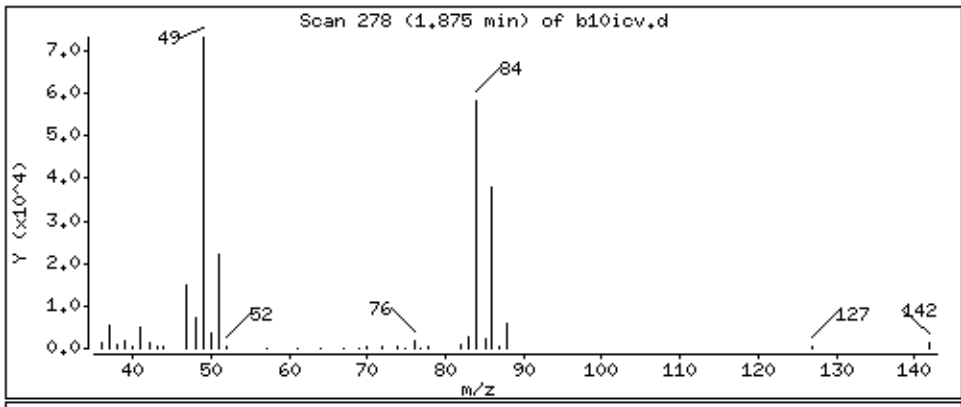
Column phase: DB-624

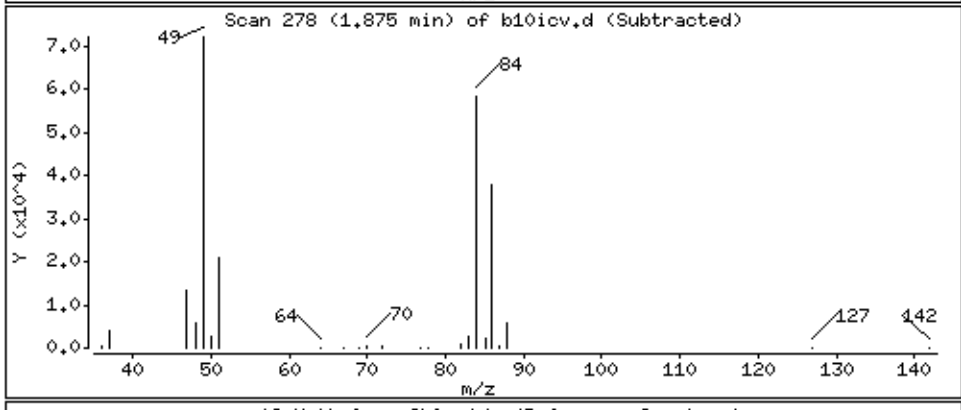
Column diameter: 0.18

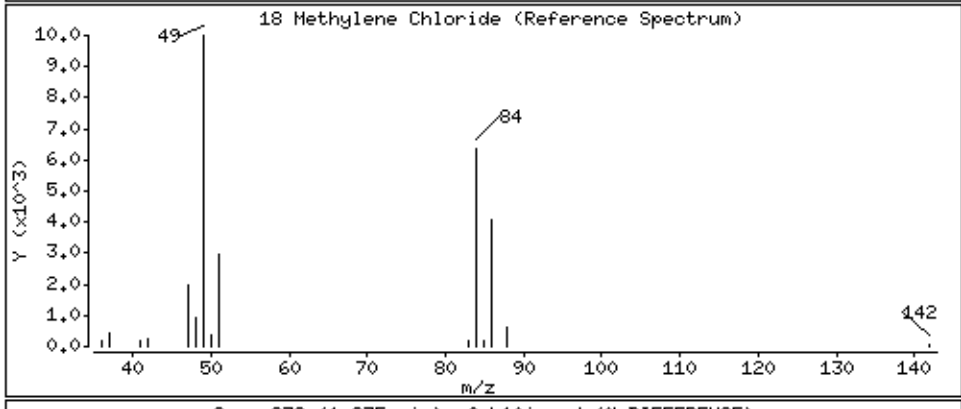
18 Methylene Chloride

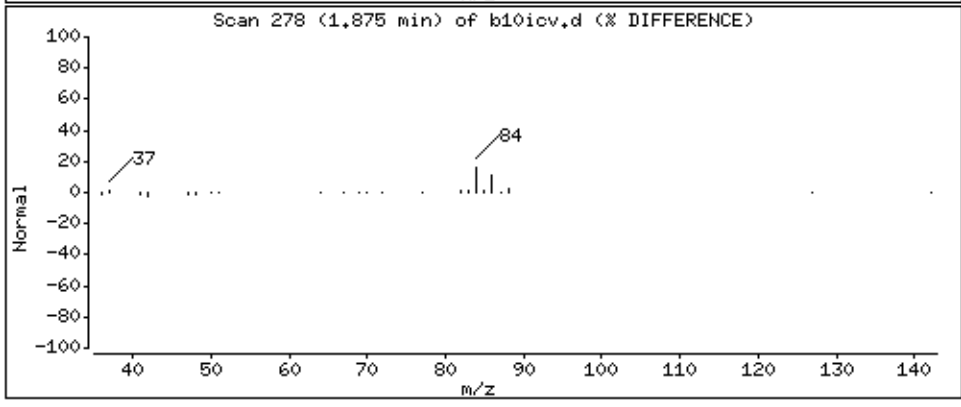
Concentration: 45.0 ppb

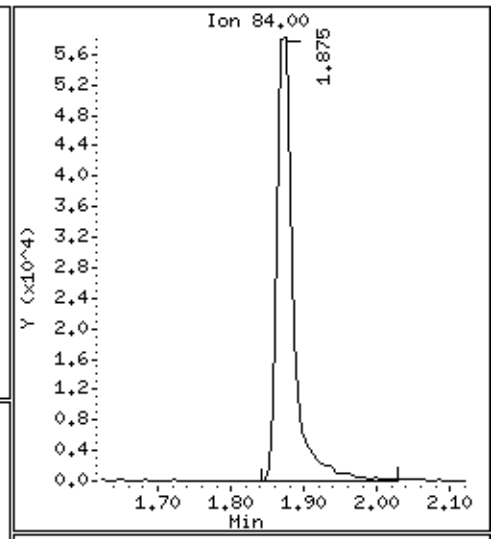
Review Code:

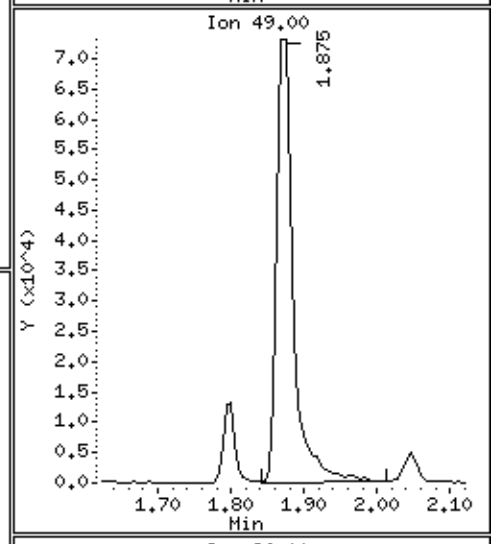


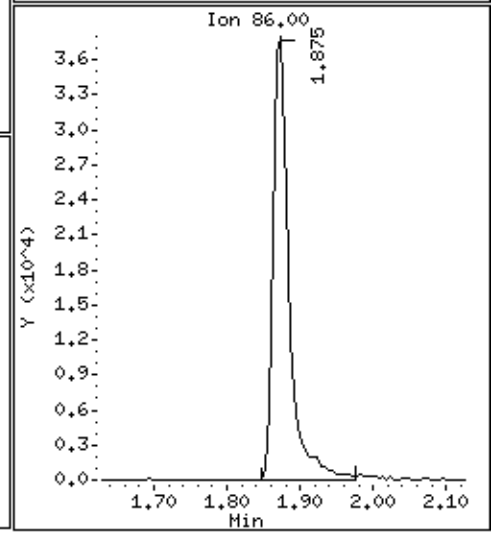












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

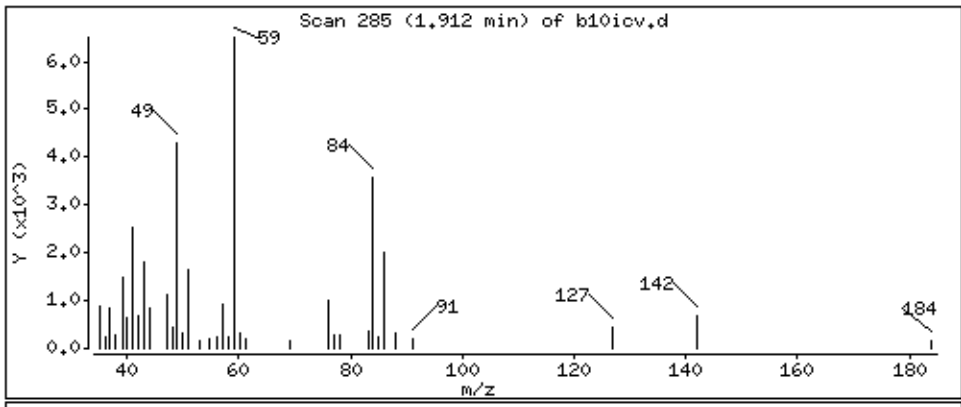
Column phase: DB-624

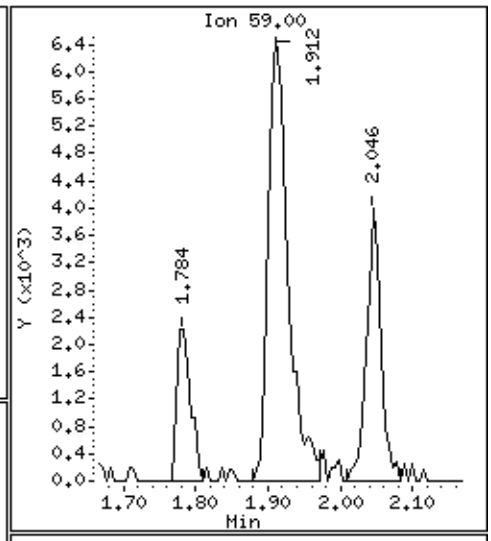
Column diameter: 0.18

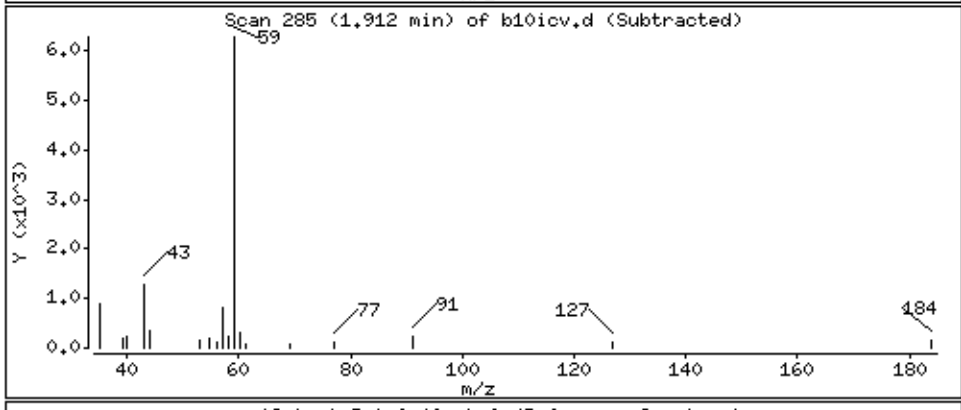
19 tert-Butyl Alcohol

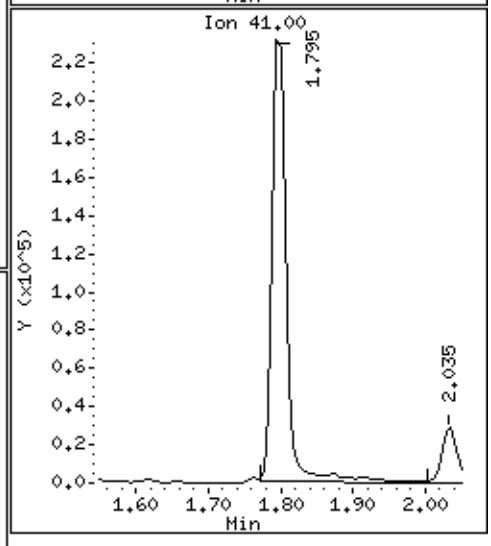
Concentration: 87.3 ppb

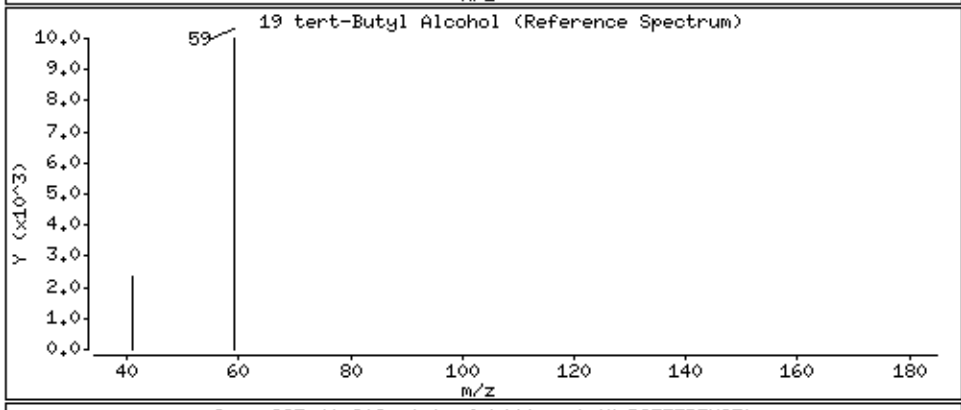
Review Code:

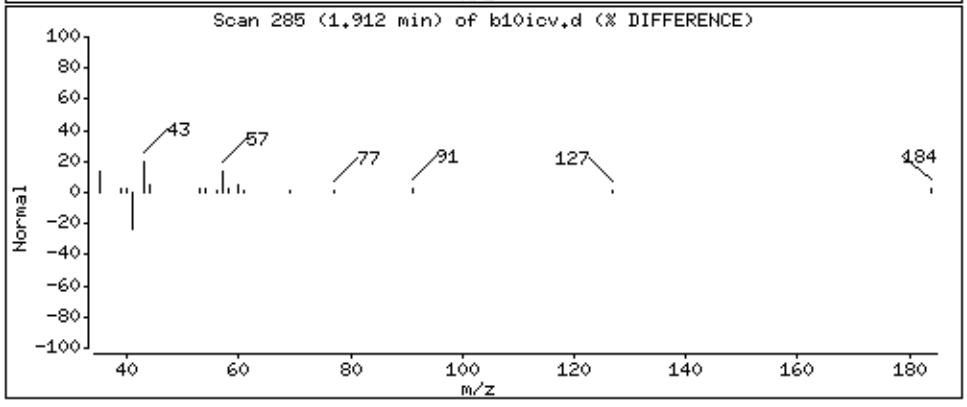












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

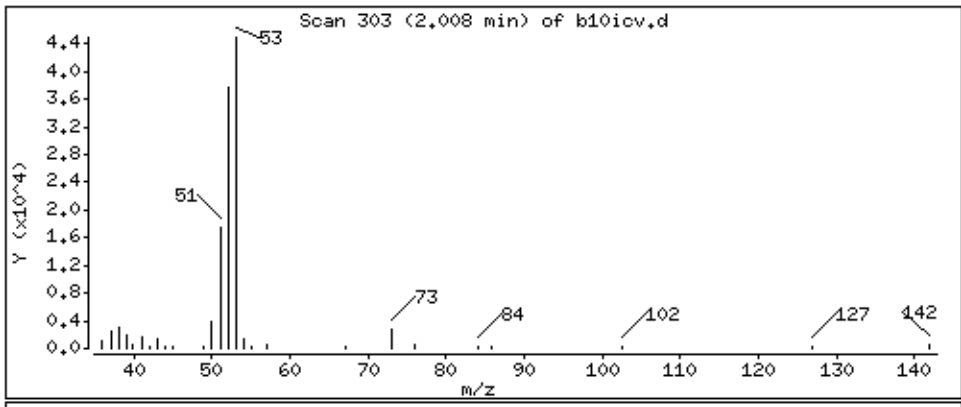
Column phase: DB-624

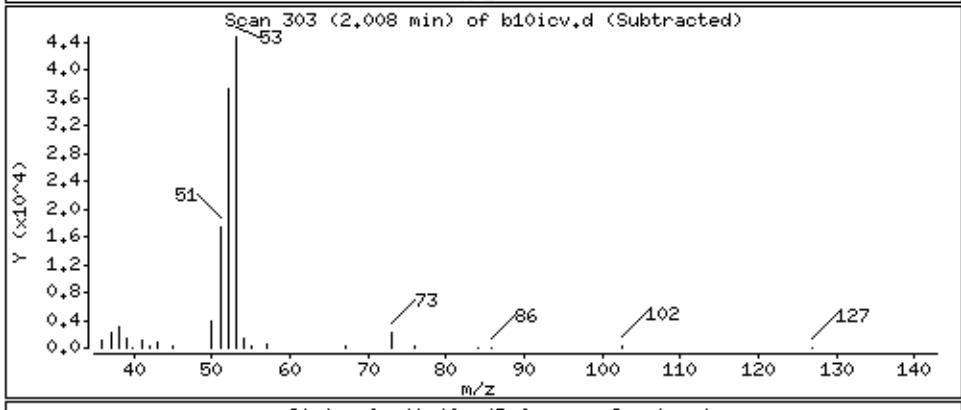
Column diameter: 0.18

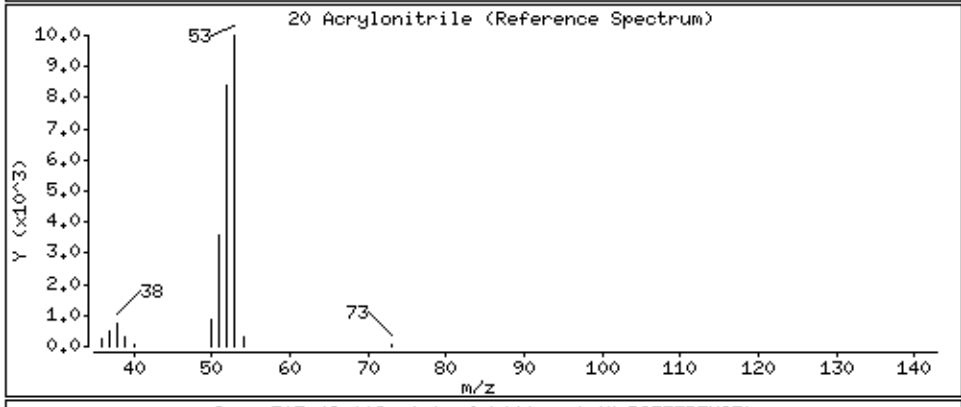
20 Acrylonitrile

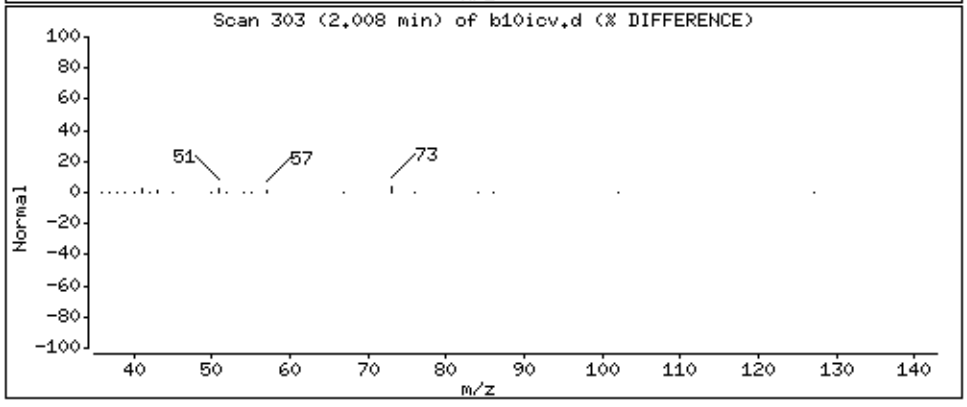
Concentration: 187 ppb

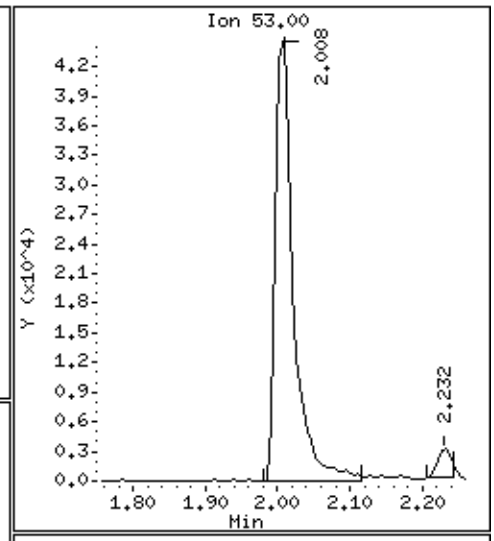
Review Code:

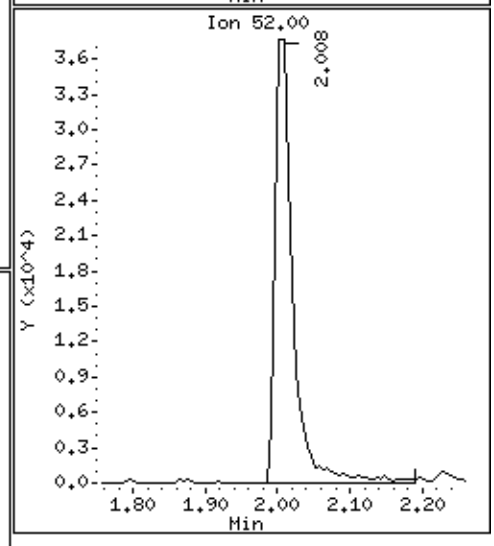












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

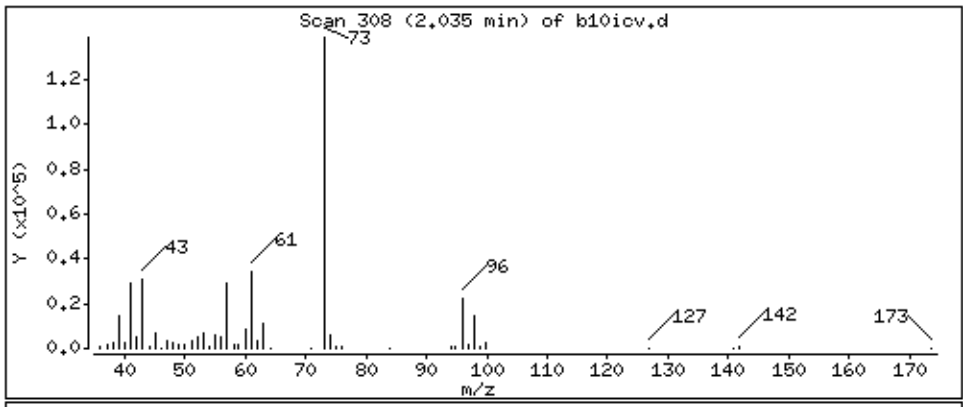
Column phase: DB-624

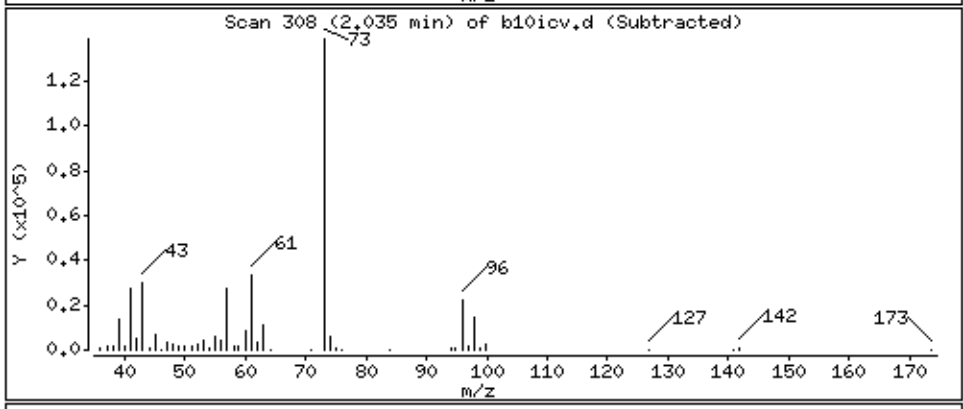
Column diameter: 0.18

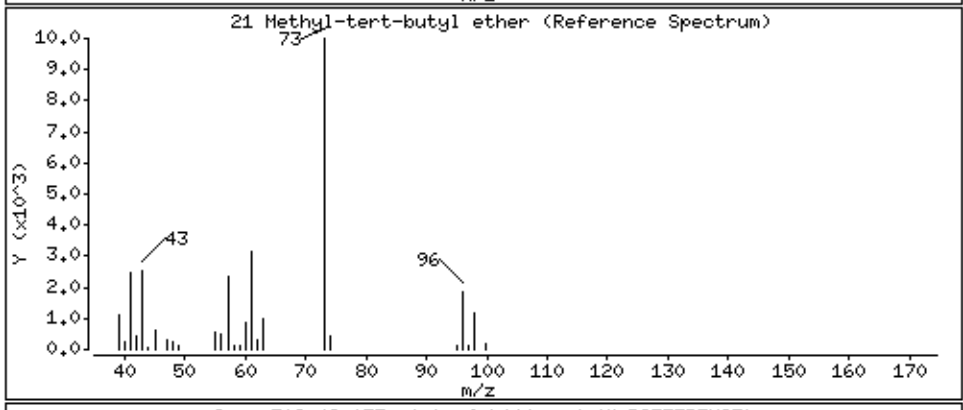
21 Methyl-tert-butyl ether

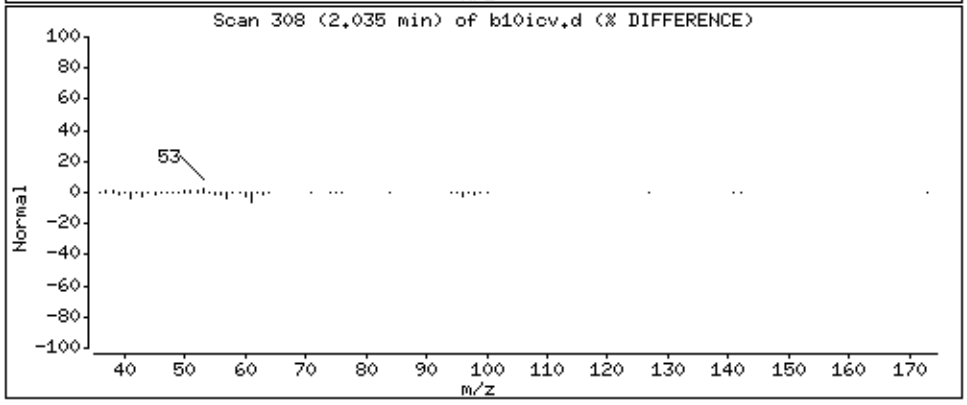
Concentration: 50.6 ppb

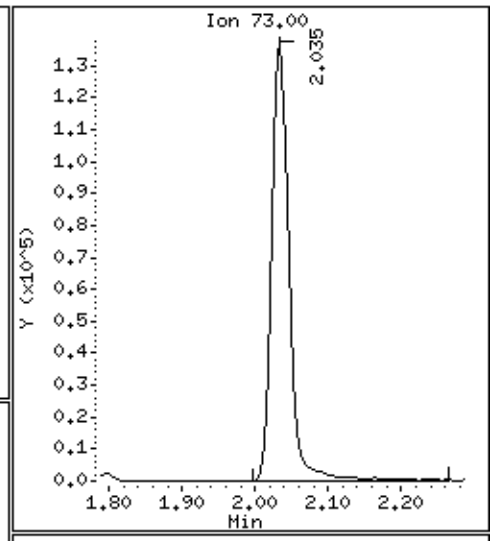
Review Code:

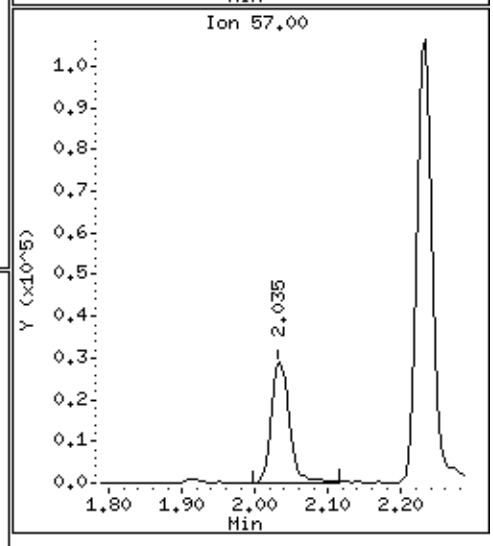












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

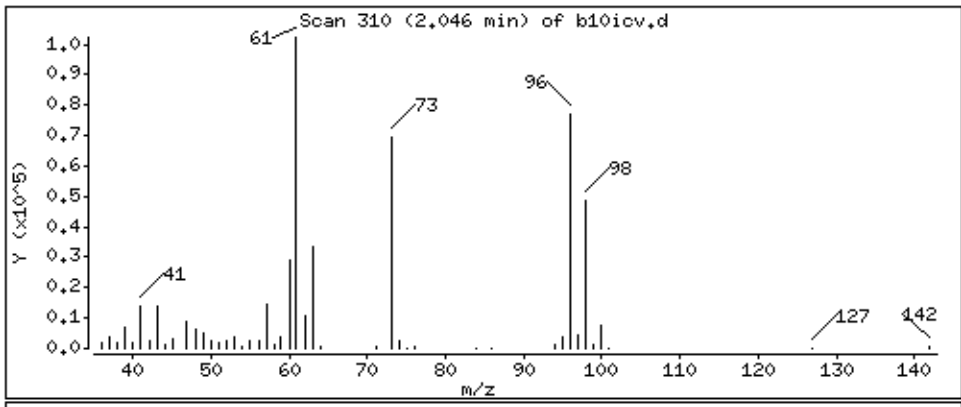
Column phase: DB-624

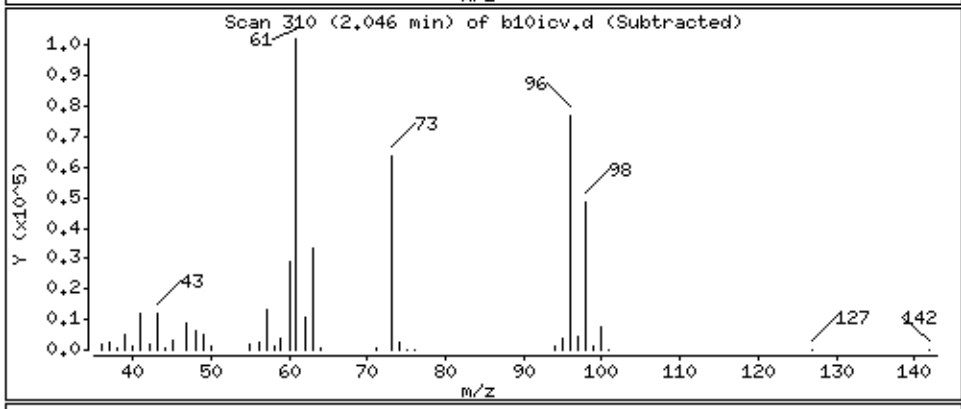
Column diameter: 0.18

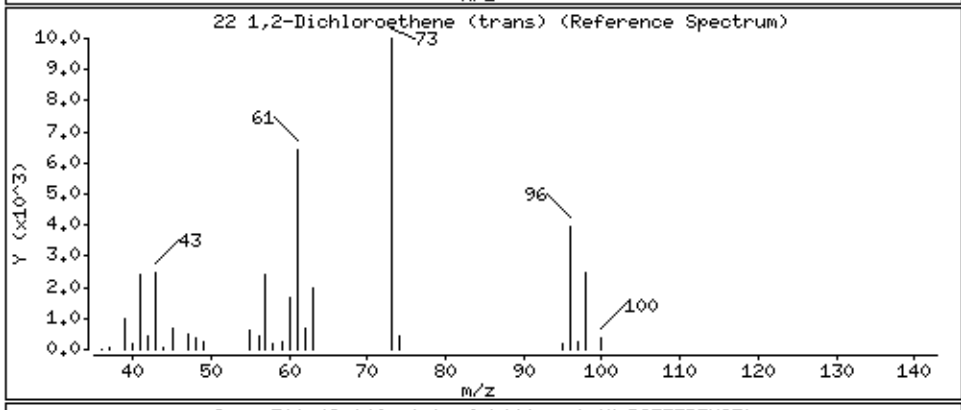
22 1,2-Dichloroethene (trans)

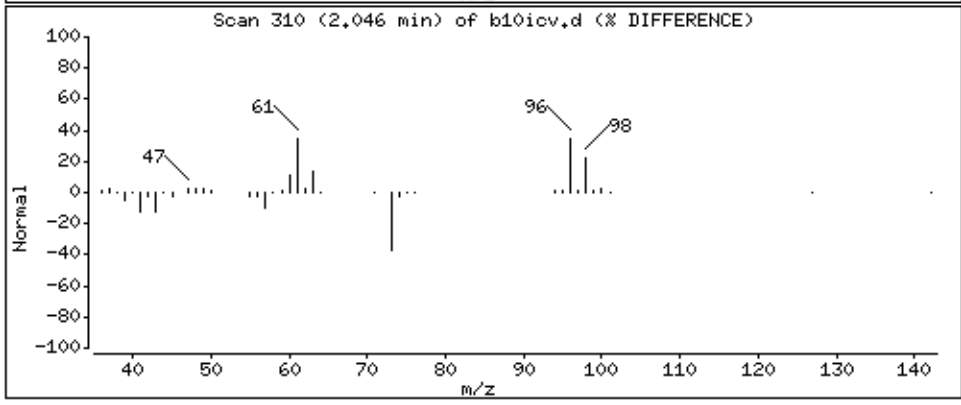
Concentration: 52.9 ppb

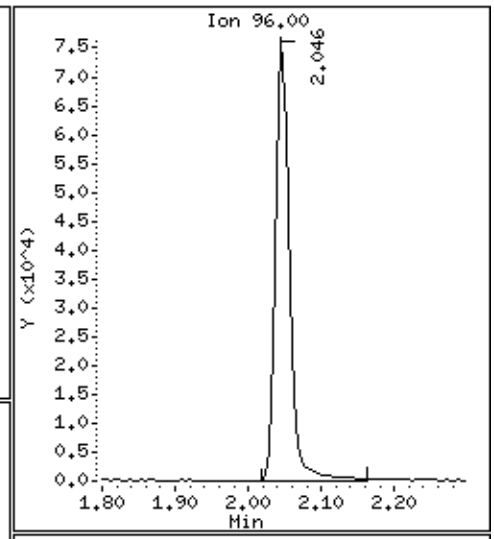
Review Code:

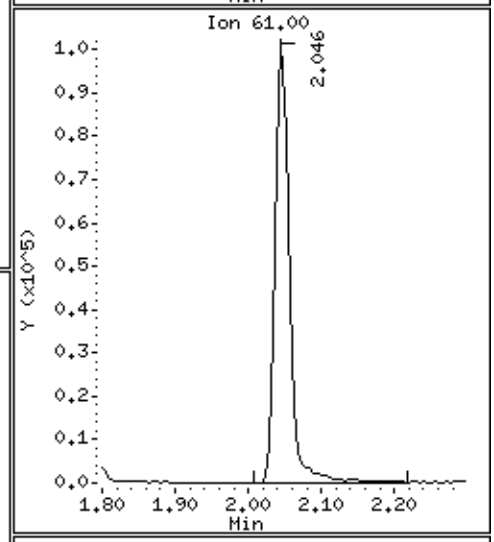


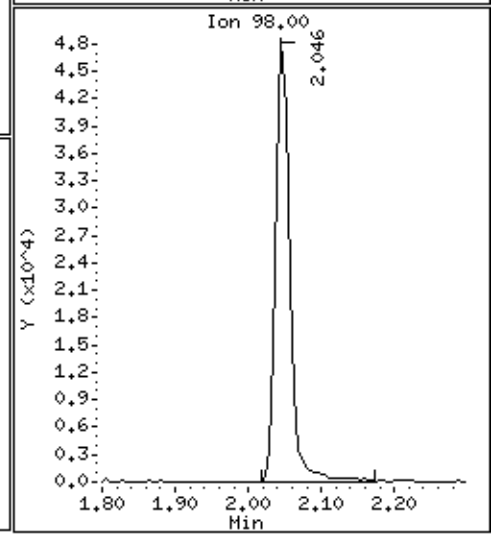












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

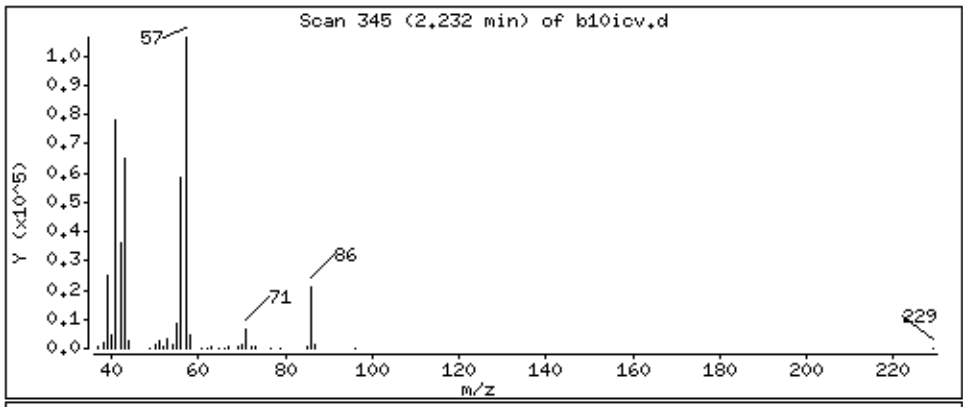
Column phase: DB-624

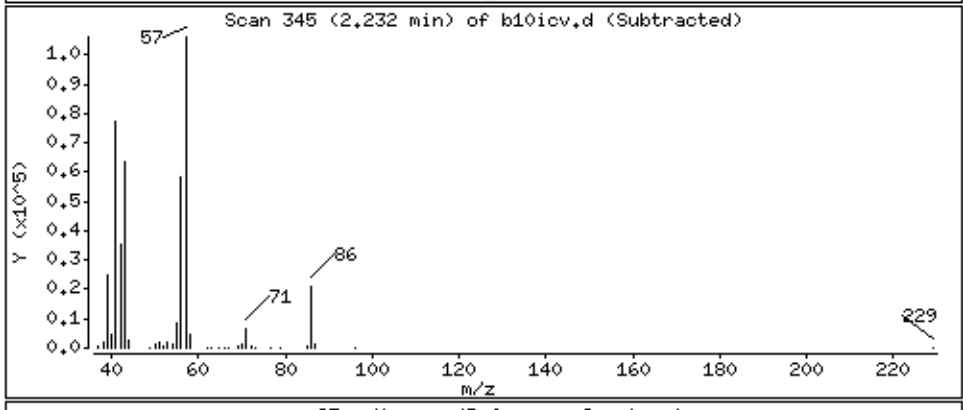
Column diameter: 0.18

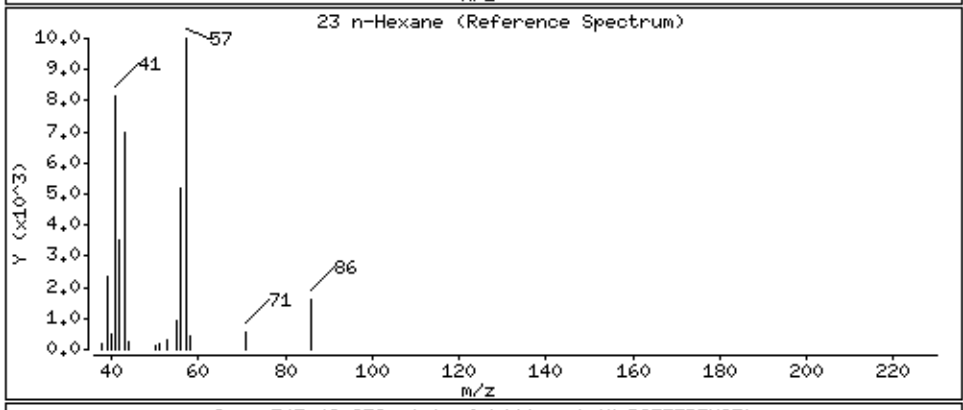
23 n-Hexane

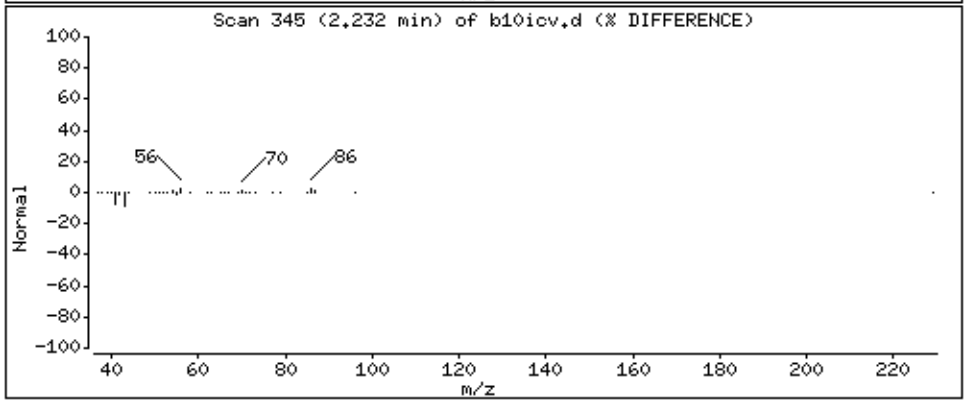
Concentration: 51.5 ppb

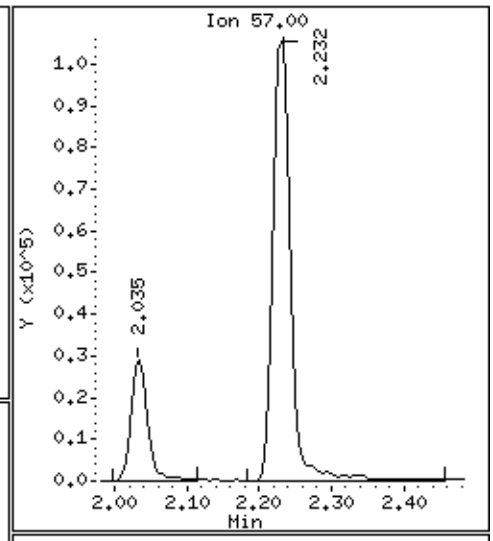
Review Code:

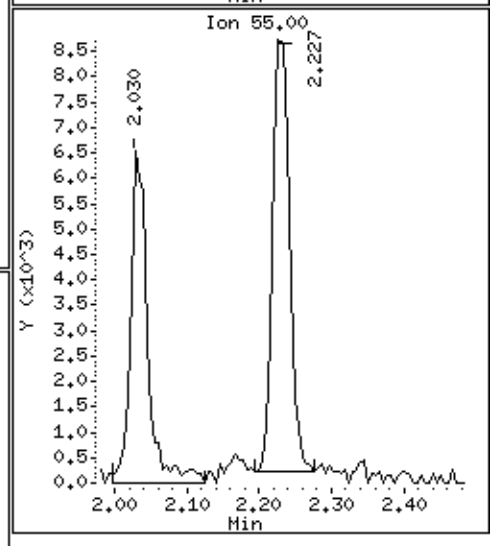












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

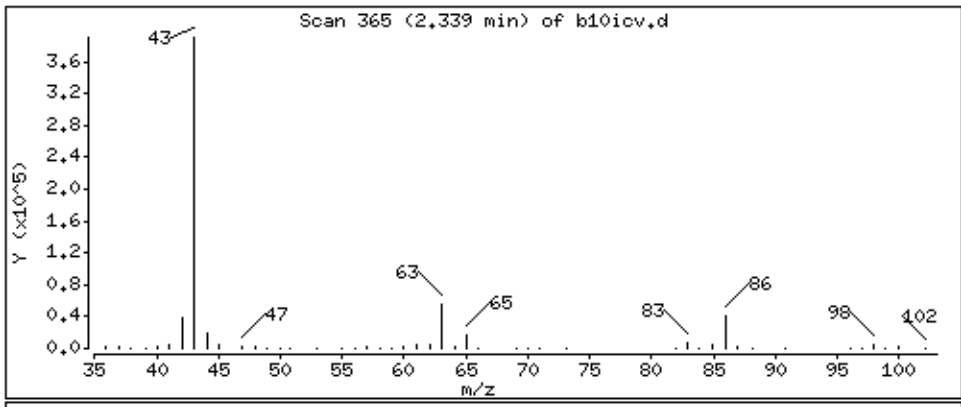
Column phase: DB-624

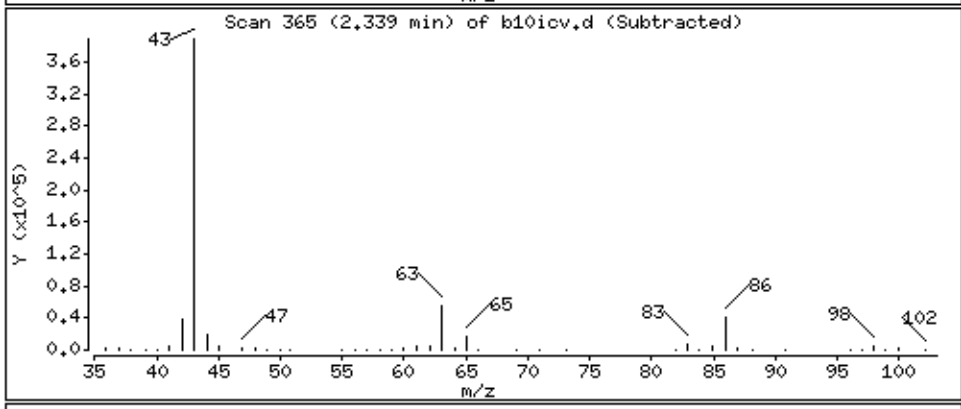
Column diameter: 0.18

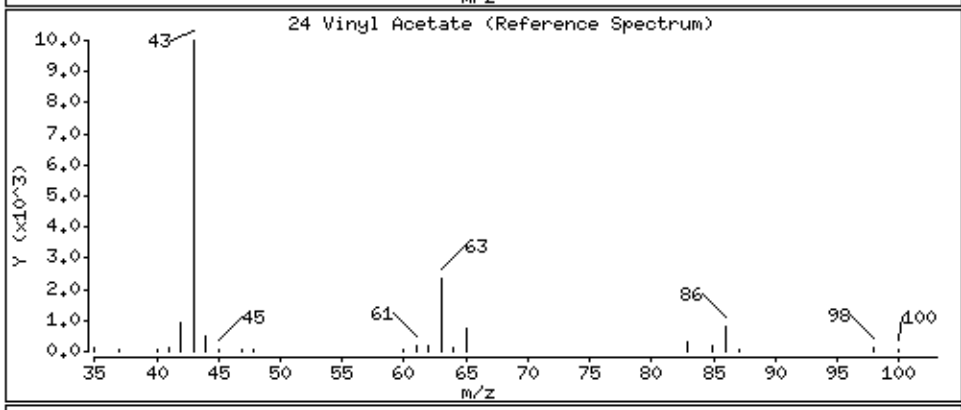
24 Vinyl Acetate

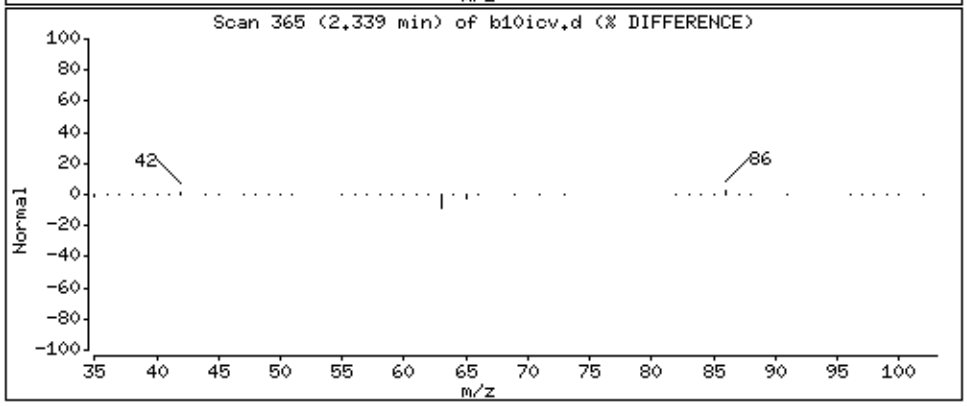
Concentration: 210 ppb

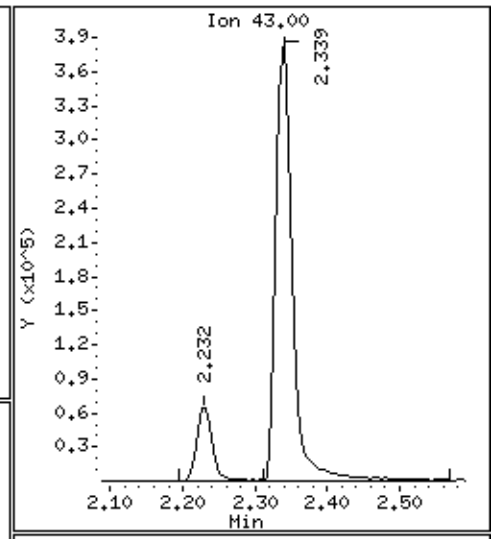
Review Code:

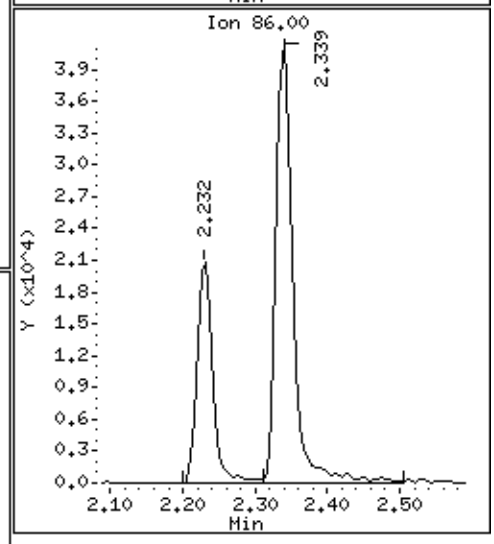












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

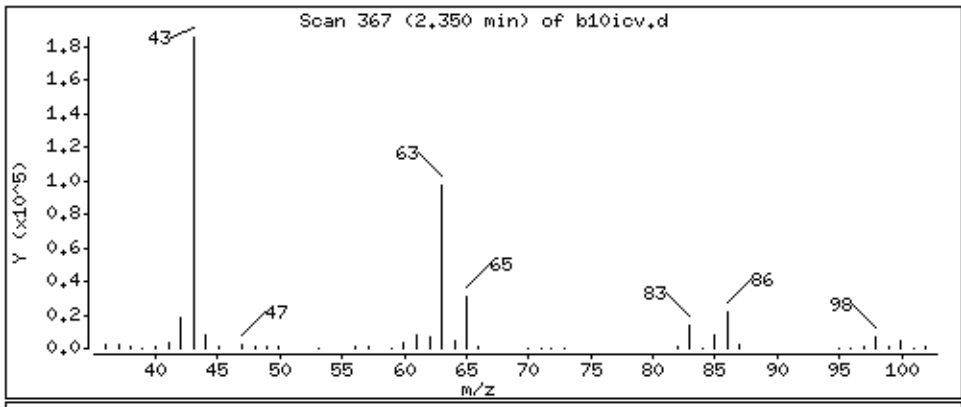
Column phase: DB-624

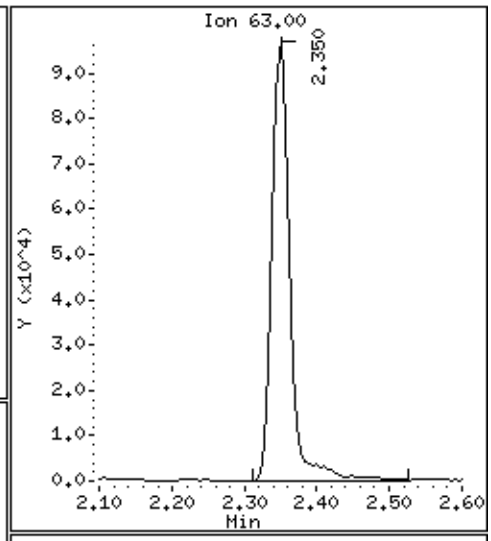
Column diameter: 0.18

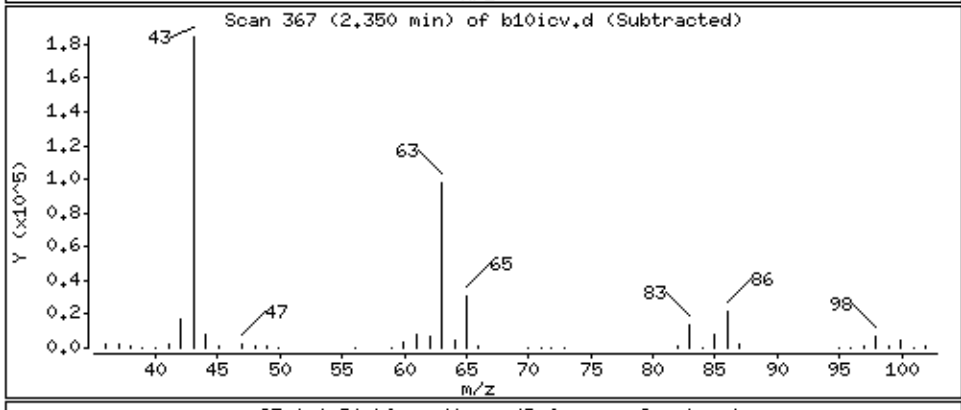
25 1,1-Dichloroethane

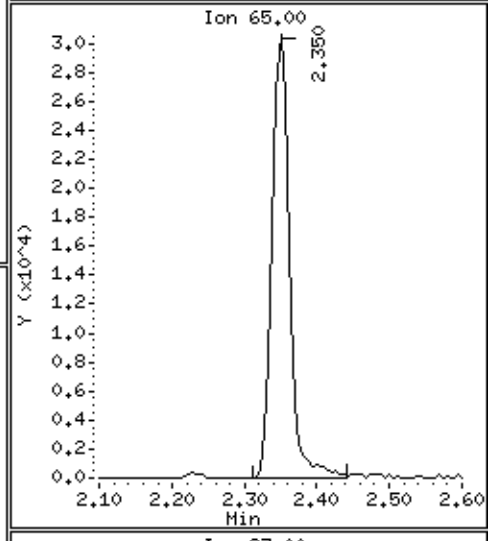
Concentration: 51.7 ppb

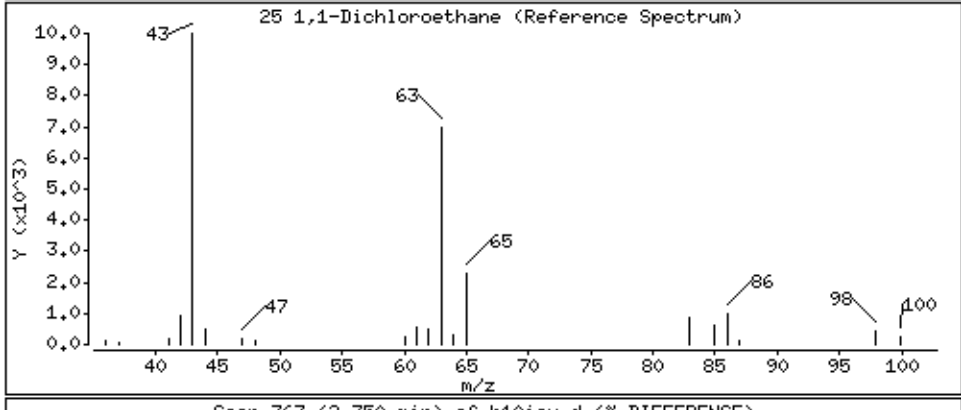
Review Code:

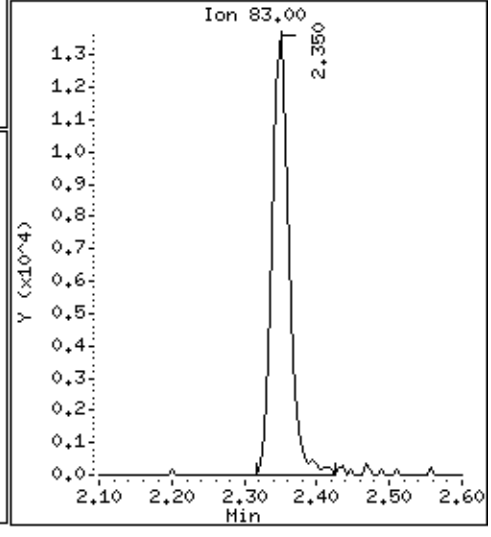


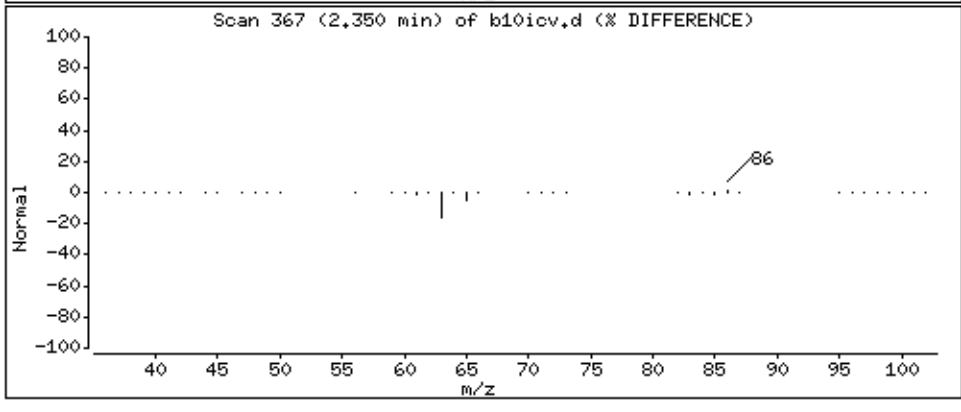












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

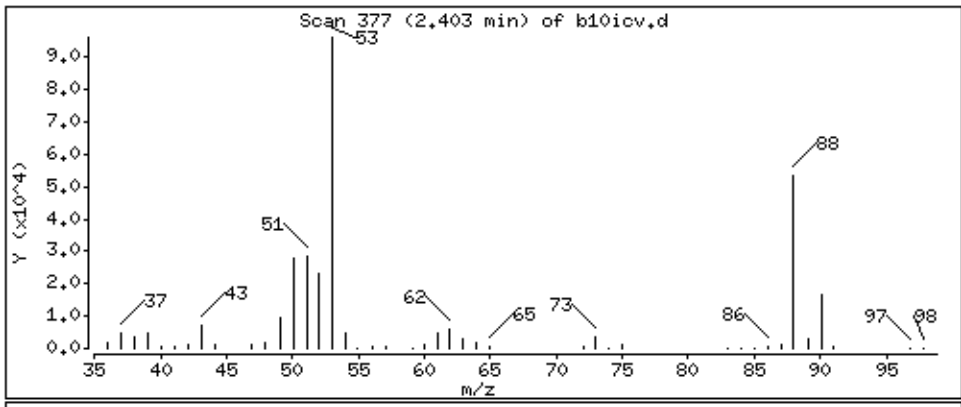
Column phase: DB-624

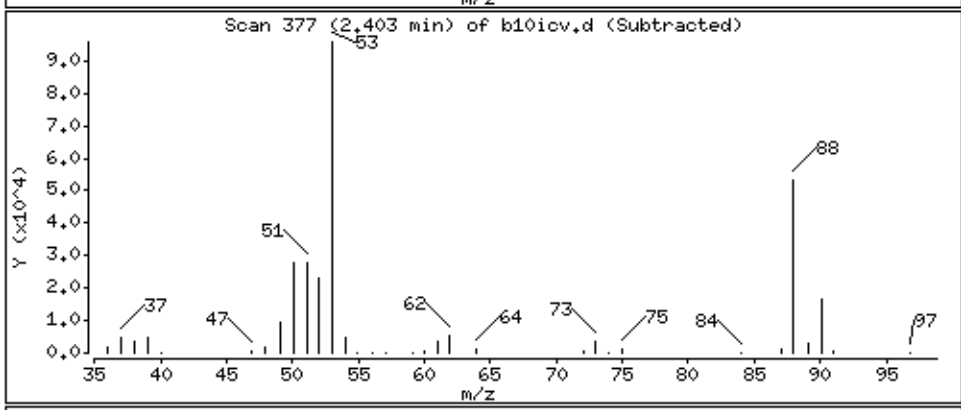
Column diameter: 0.18

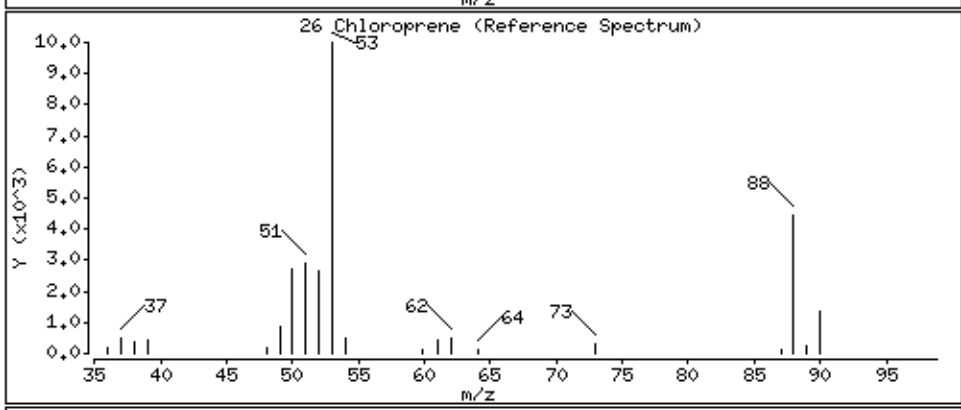
26 Chloroprene

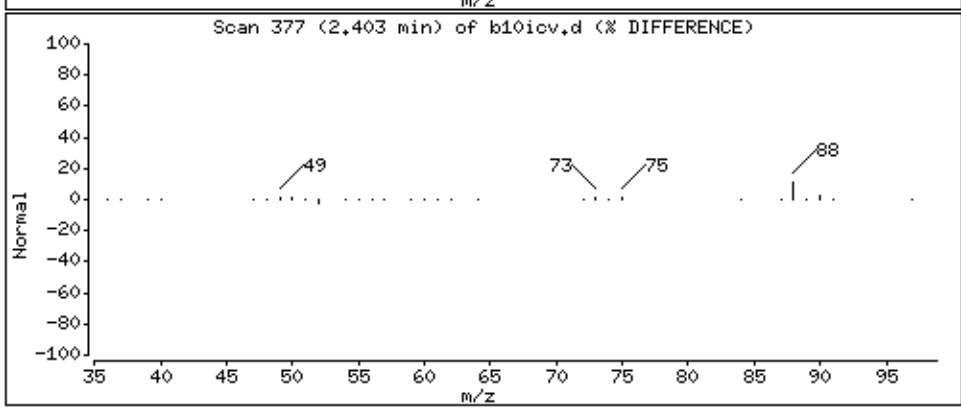
Concentration: 51.8 ppb

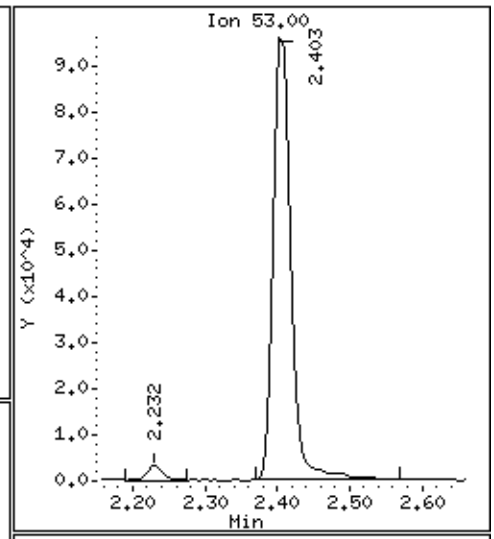
Review Code:

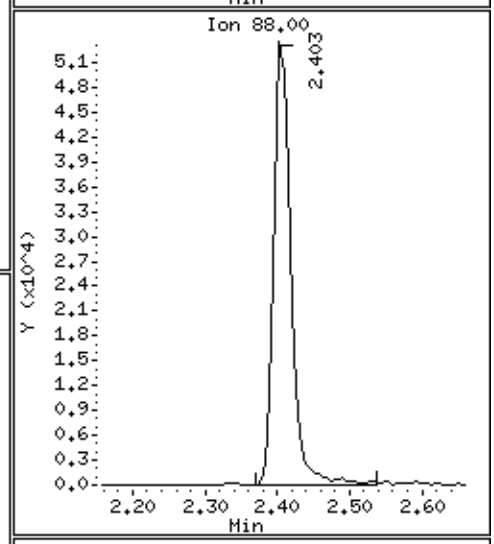


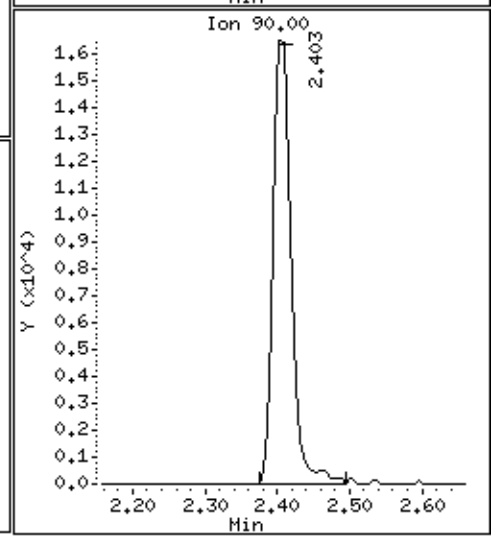












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

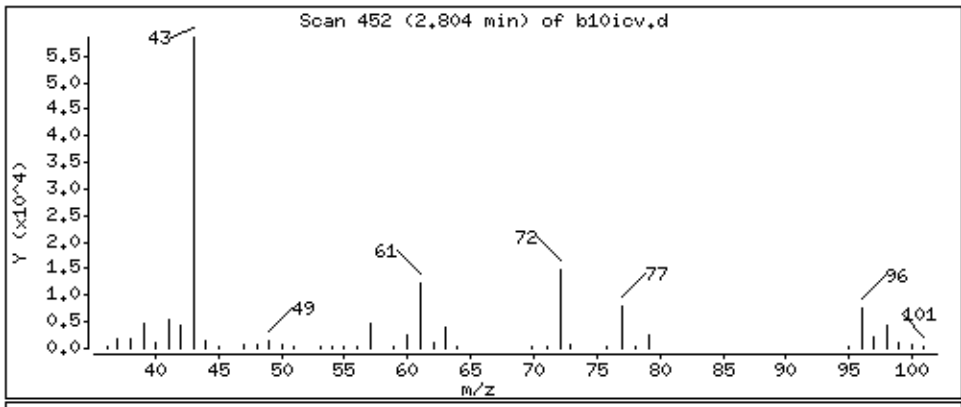
Column phase: DB-624

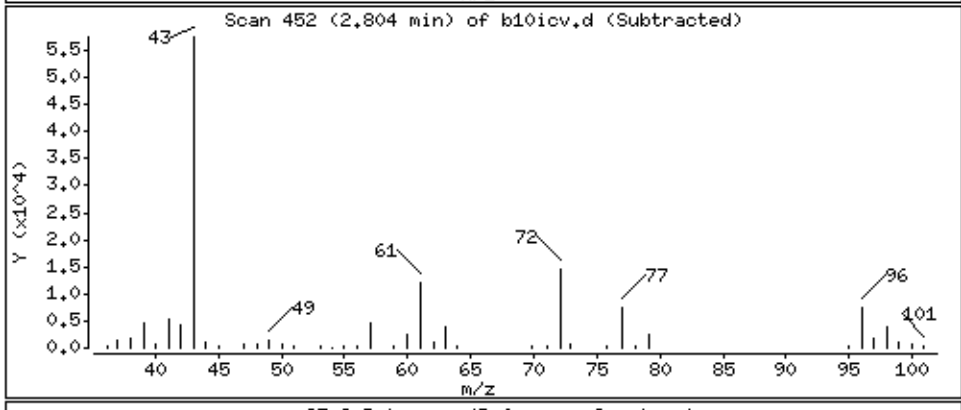
Column diameter: 0.18

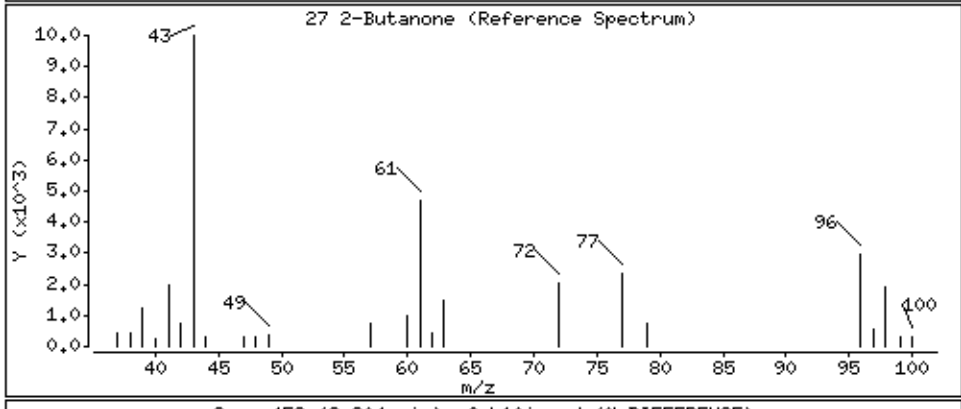
27 2-Butanone

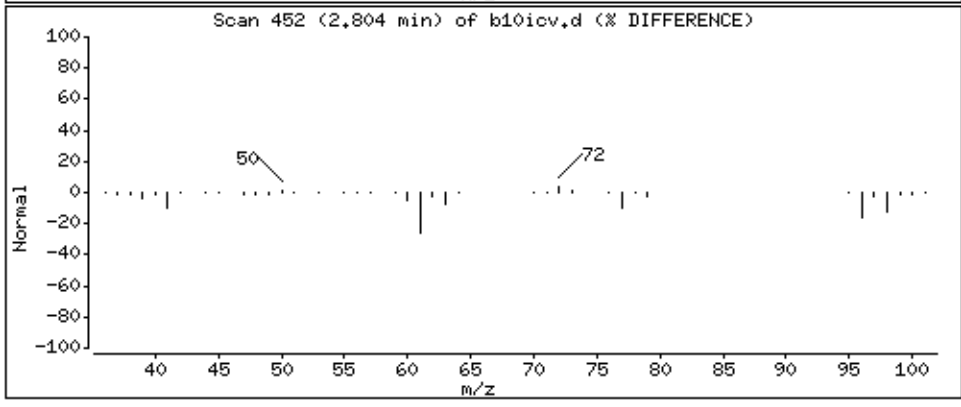
Concentration: 238 ppb

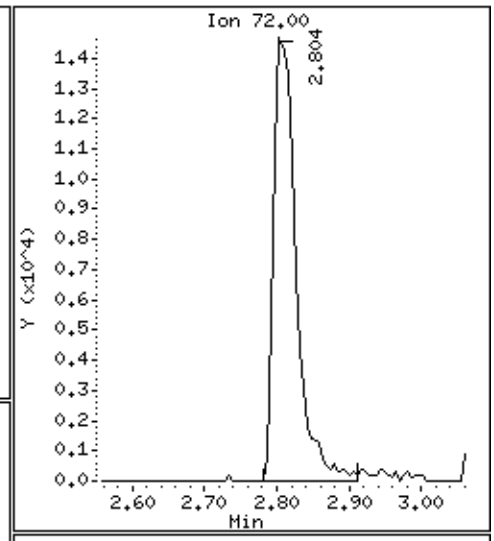
Review Code:

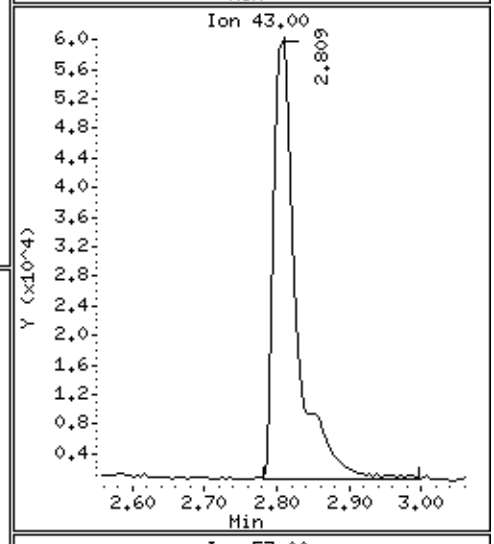


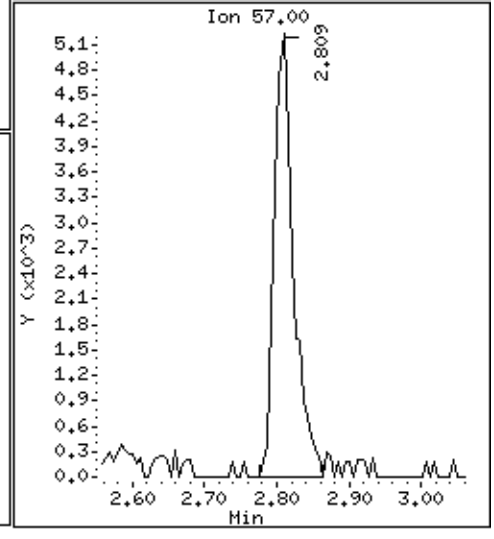












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

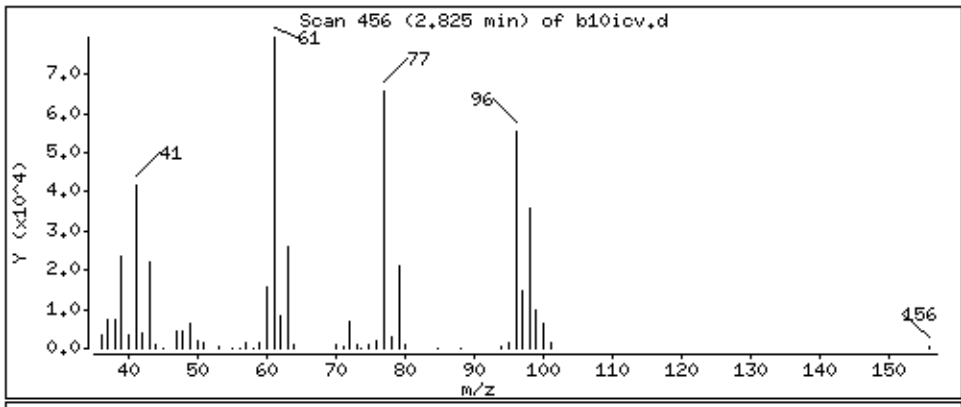
Column phase: DB-624

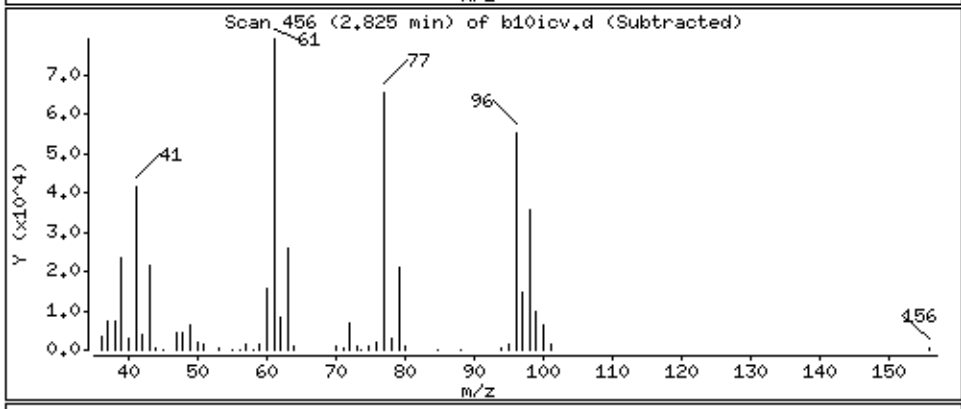
Column diameter: 0.18

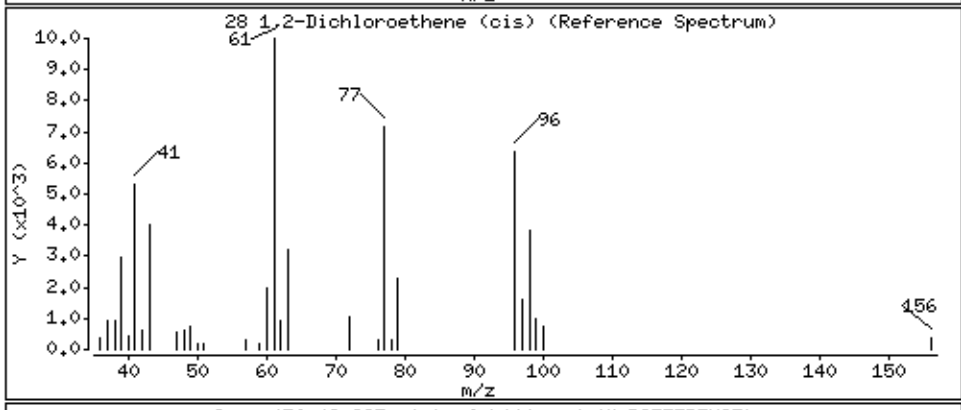
28 1,2-Dichloroethene (cis)

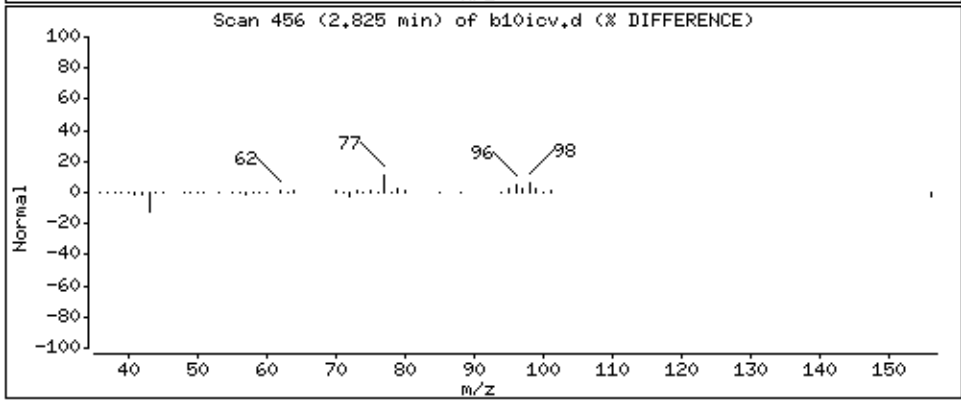
Concentration: 55.2 ppb

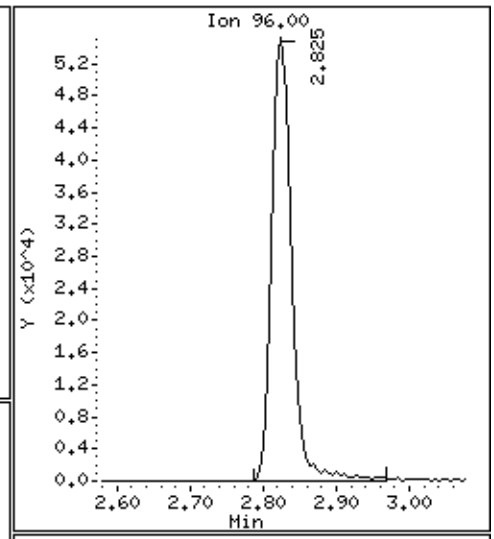
Review Code:

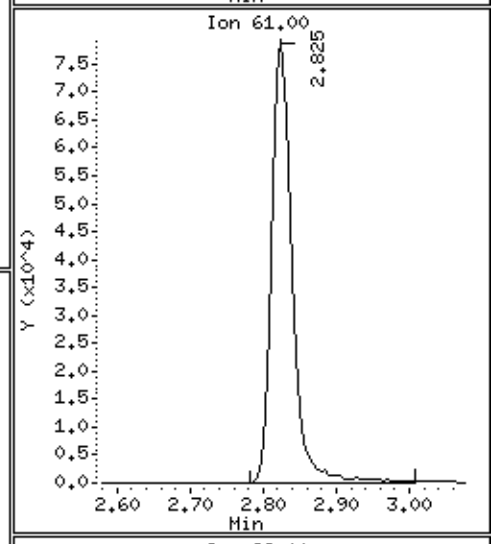


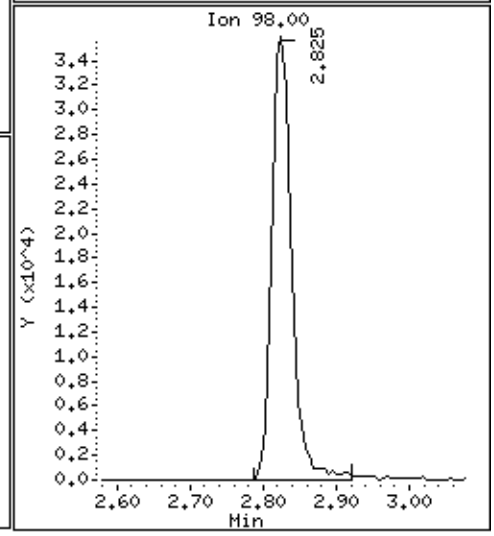












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

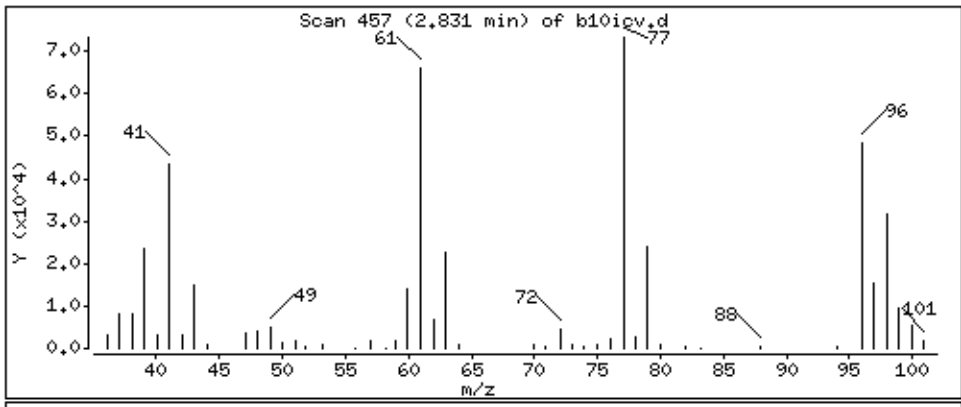
Column phase: DB-624

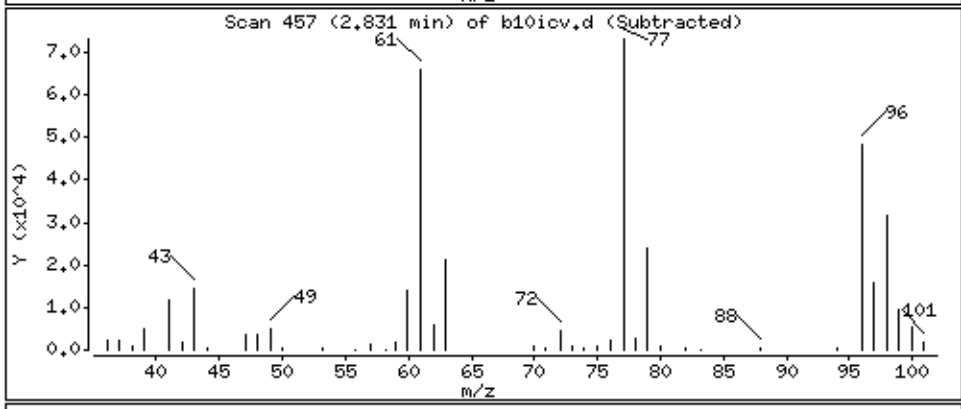
Column diameter: 0.18

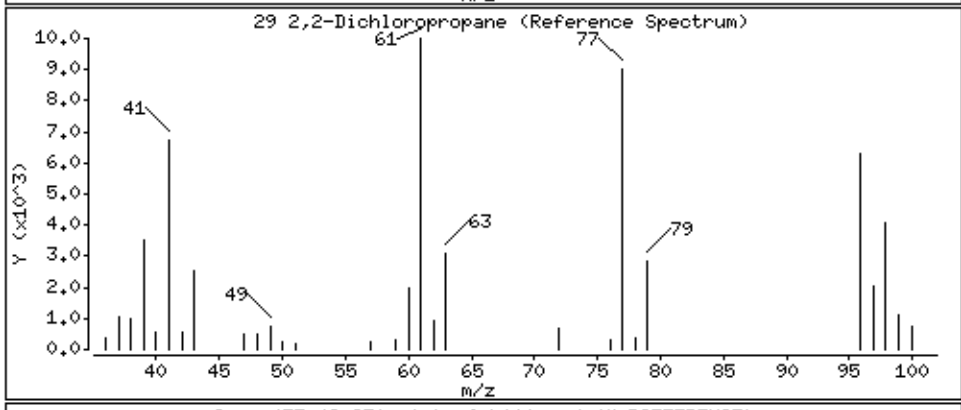
29 2,2-Dichloropropane

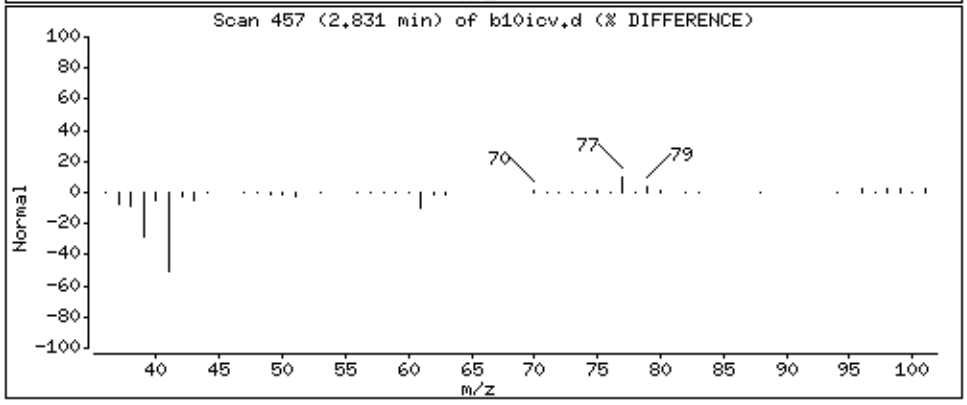
Concentration: 51.6 ppb

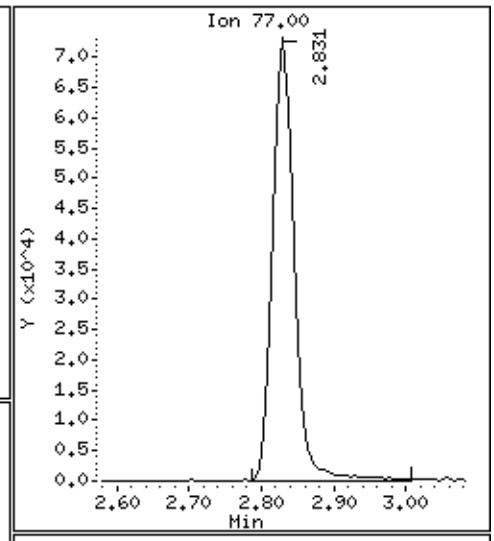
Review Code:

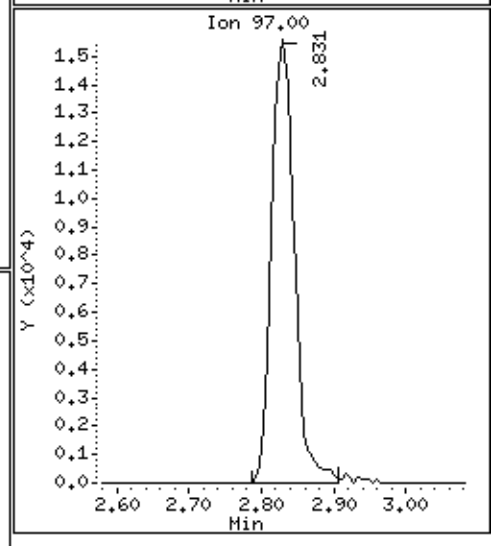












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

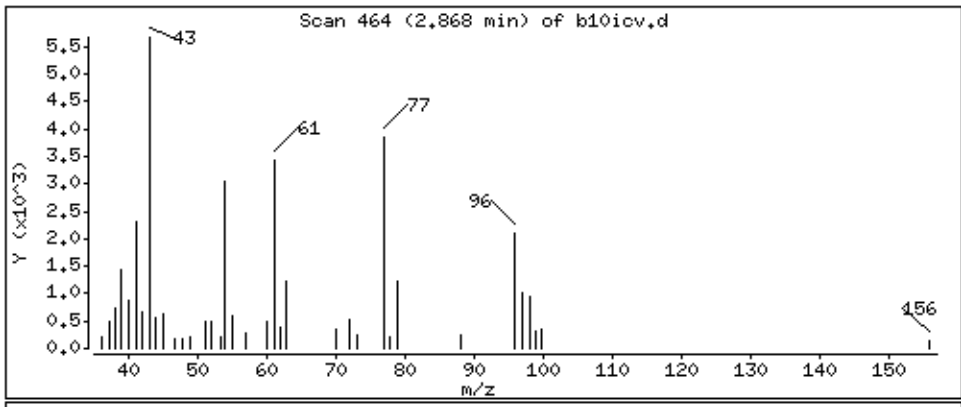
Column phase: DB-624

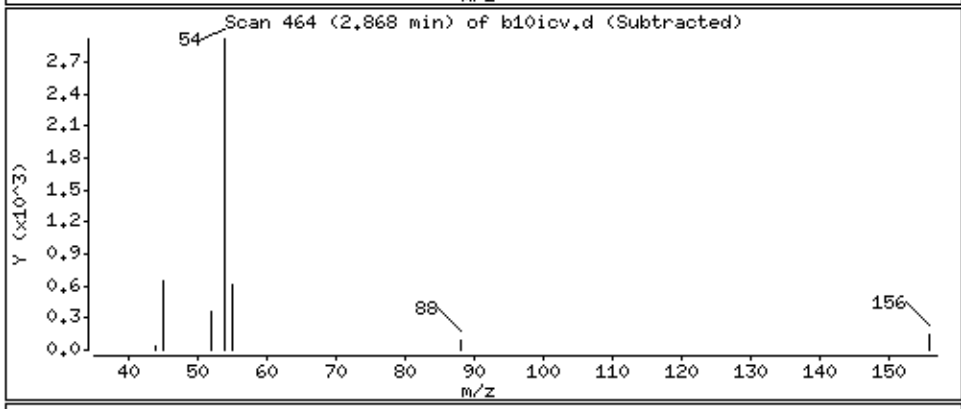
Column diameter: 0.18

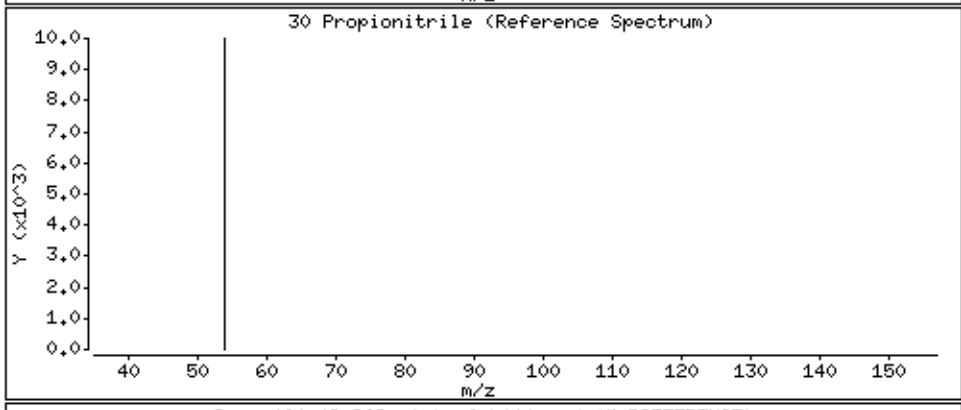
30 Propionitrile

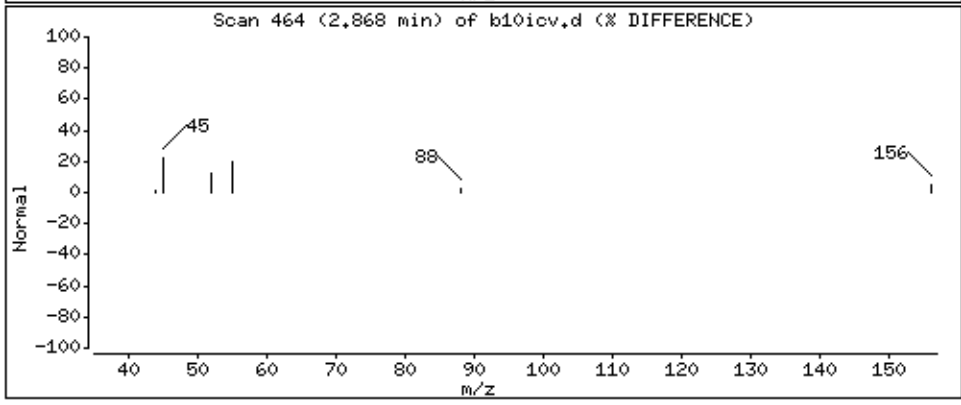
Concentration: 41.4 ppb

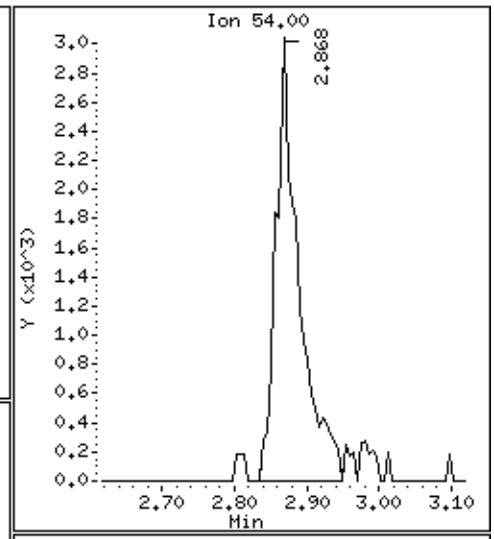
Review Code:

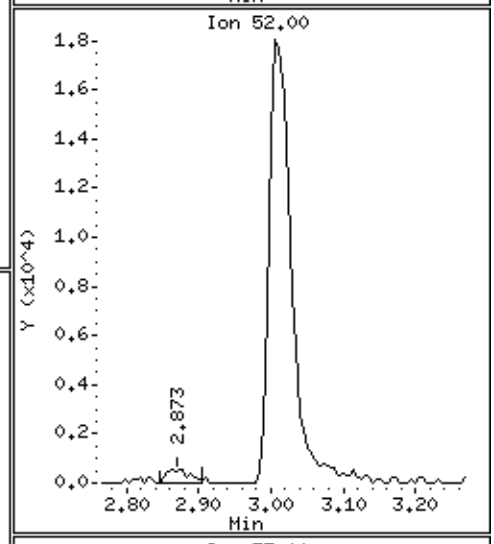


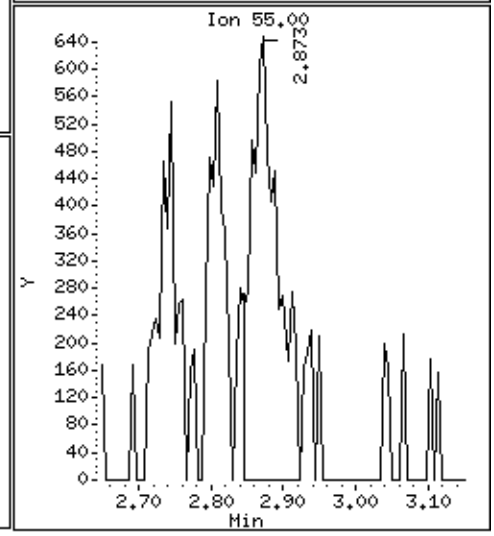












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Page 35

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

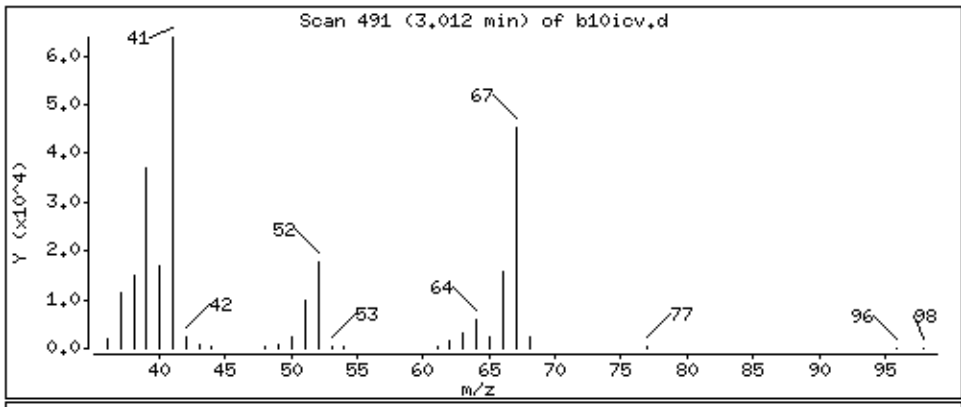
Column phase: DB-624

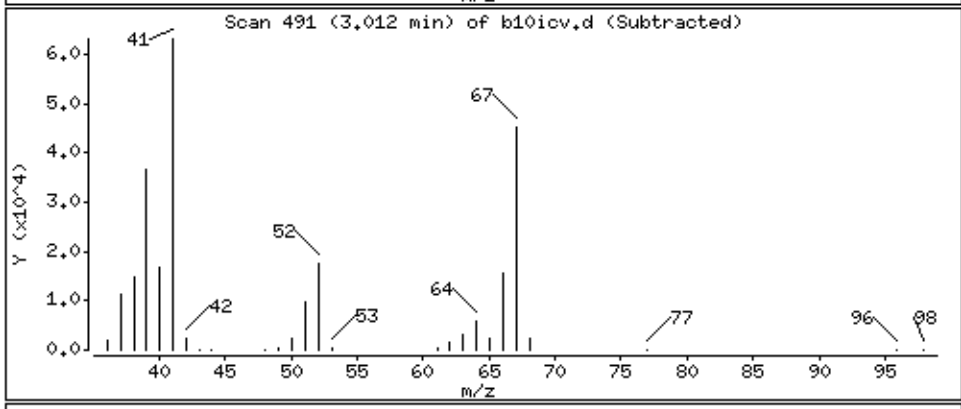
Column diameter: 0.18

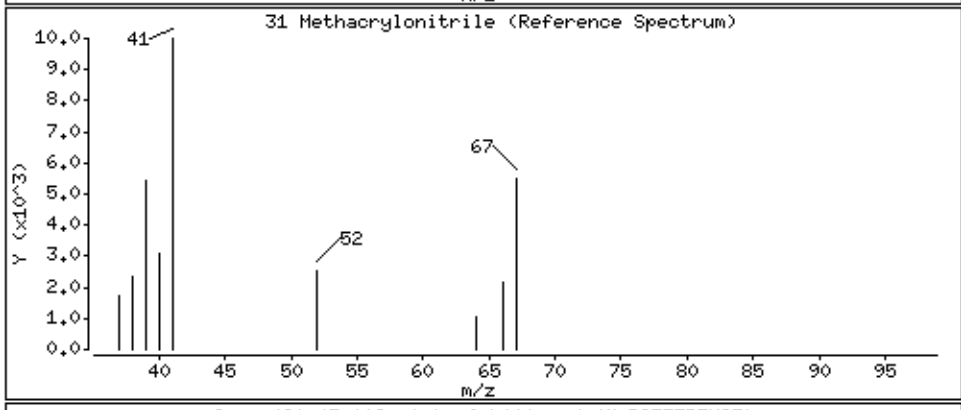
31 Methacrylonitrile

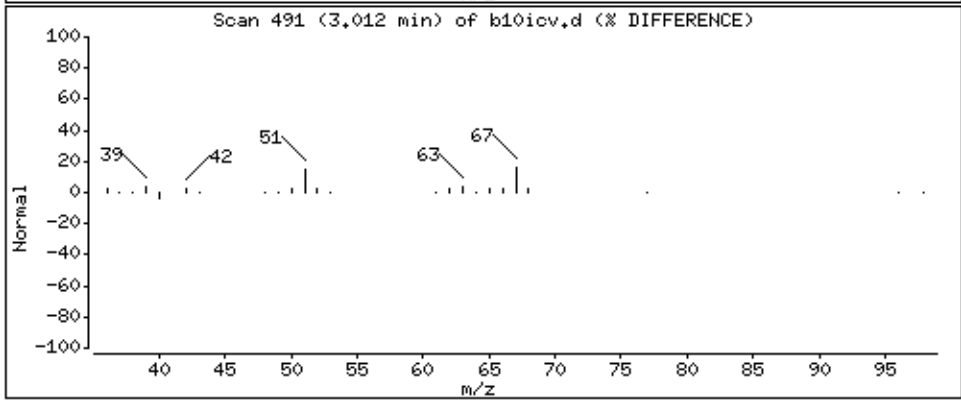
Concentration: 214 ppb

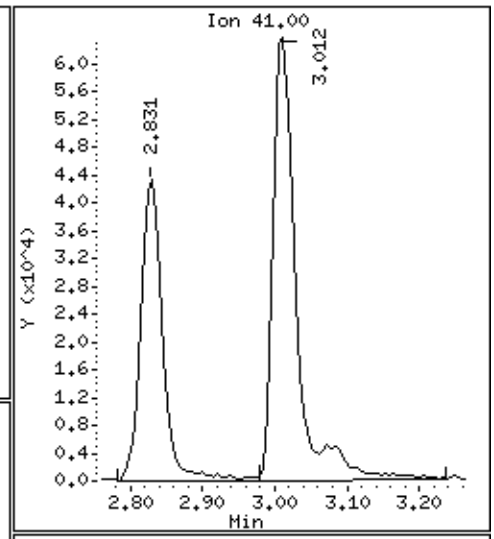
Review Code:

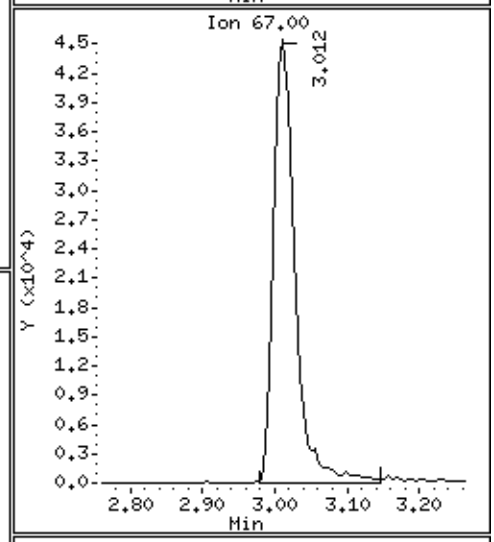


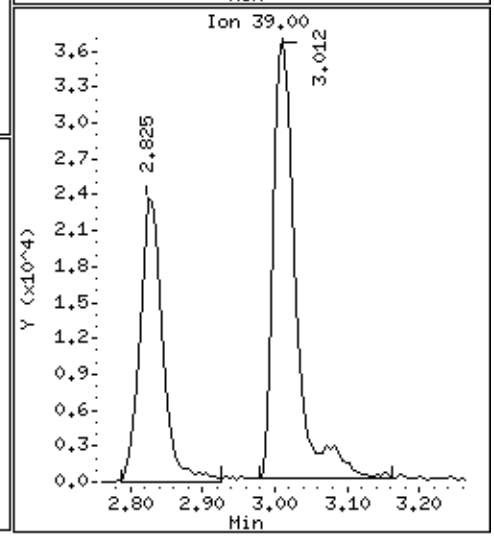












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

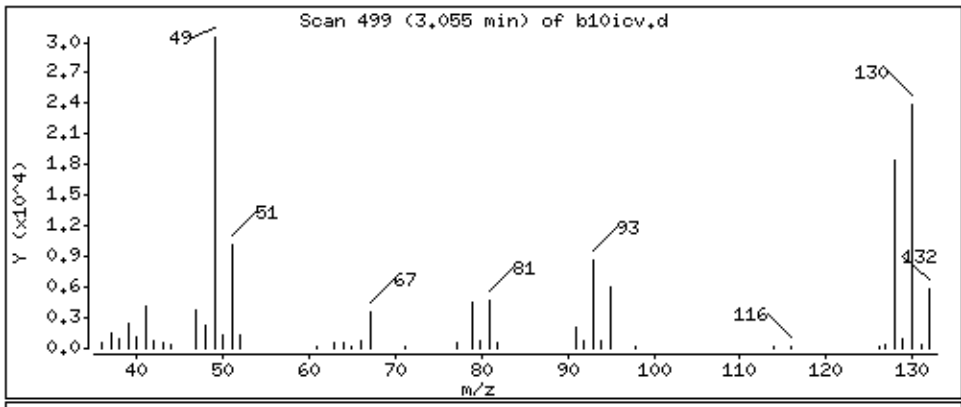
Column phase: DB-624

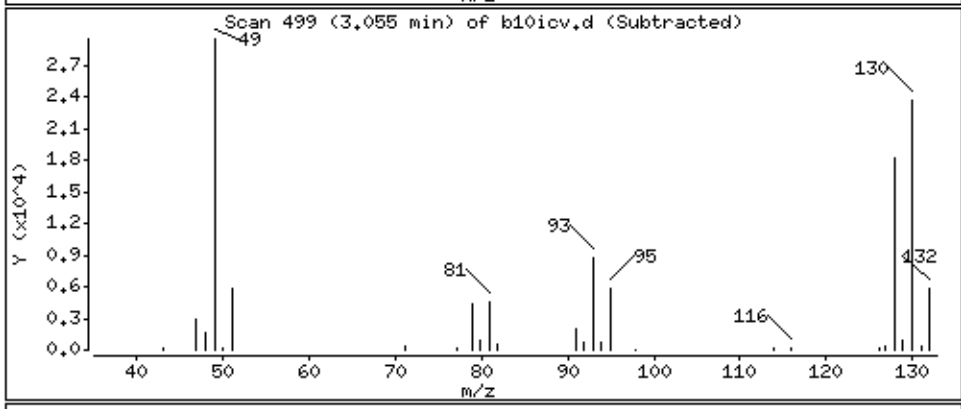
Column diameter: 0.18

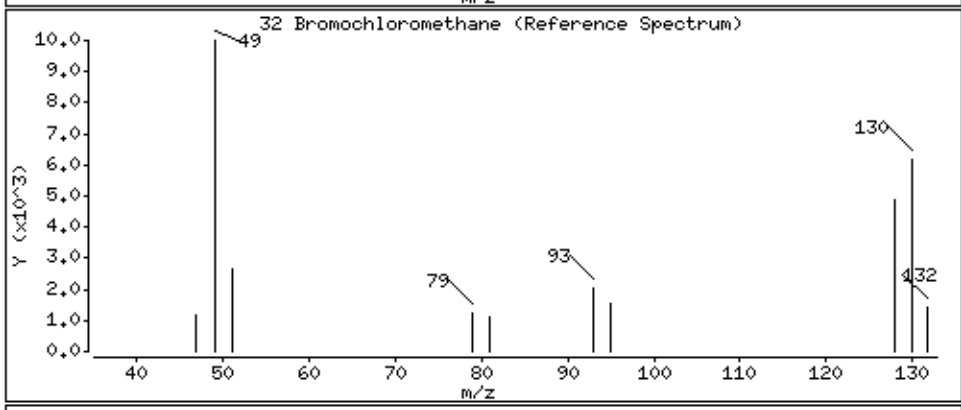
32 Bromochloromethane

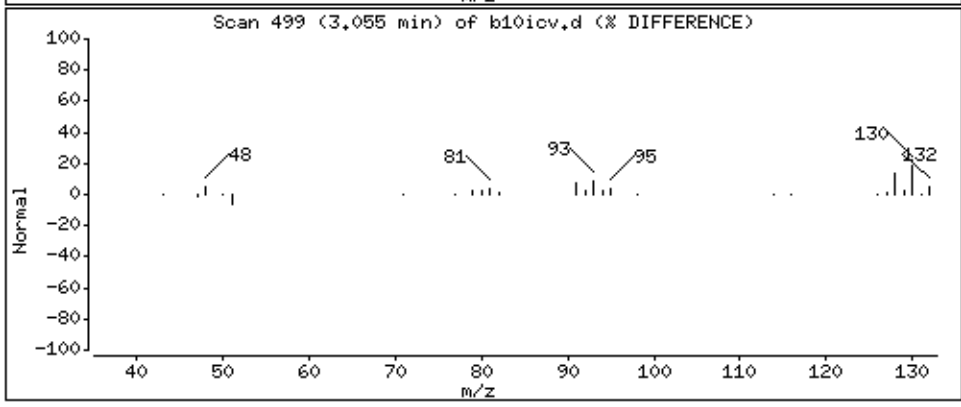
Concentration: 48.4 ppb

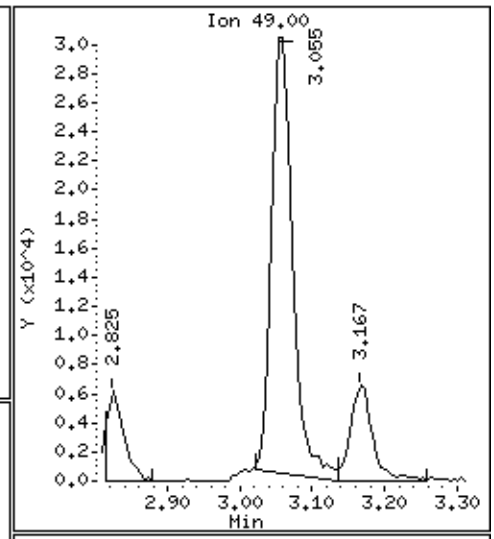
Review Code:

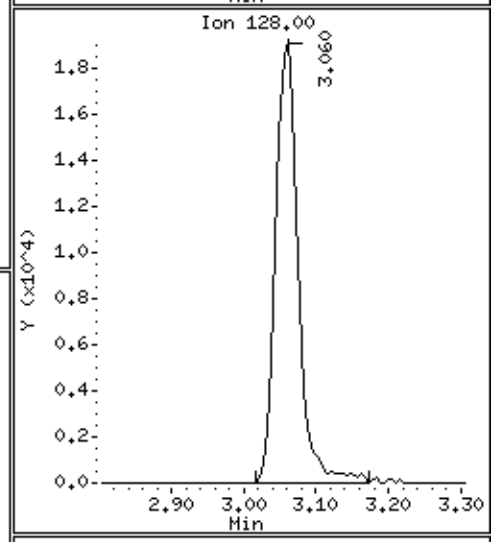


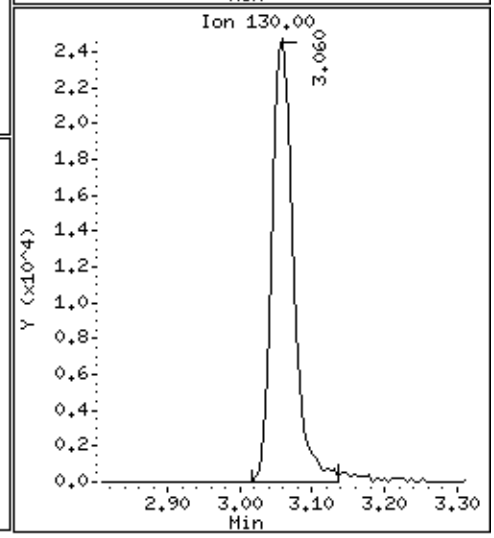












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

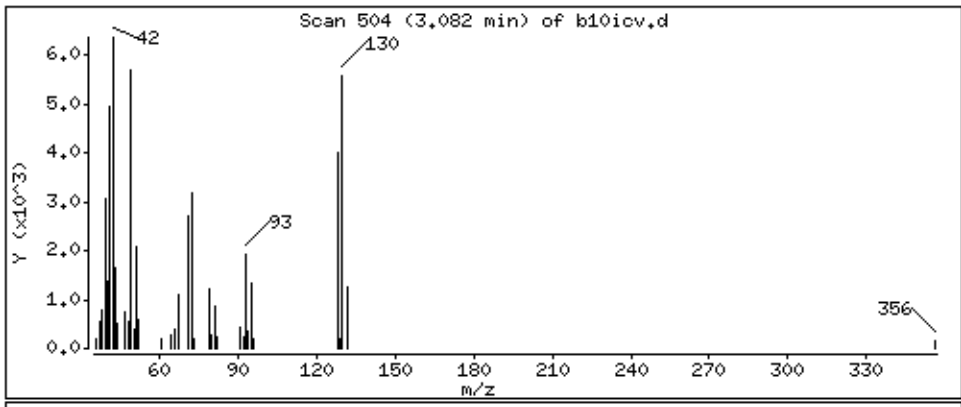
Column phase: DB-624

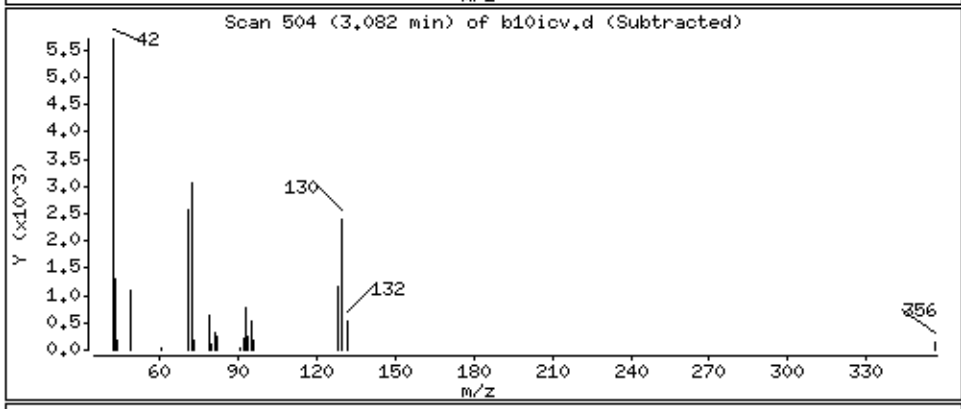
Column diameter: 0.18

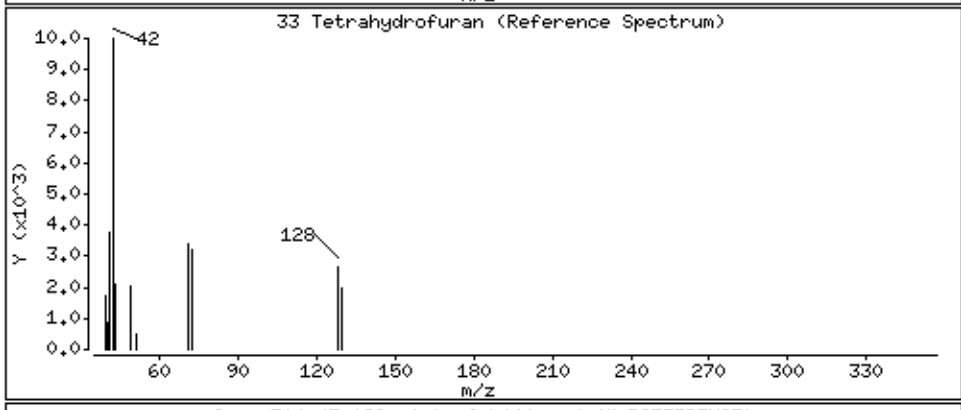
33 Tetrahydrofuran

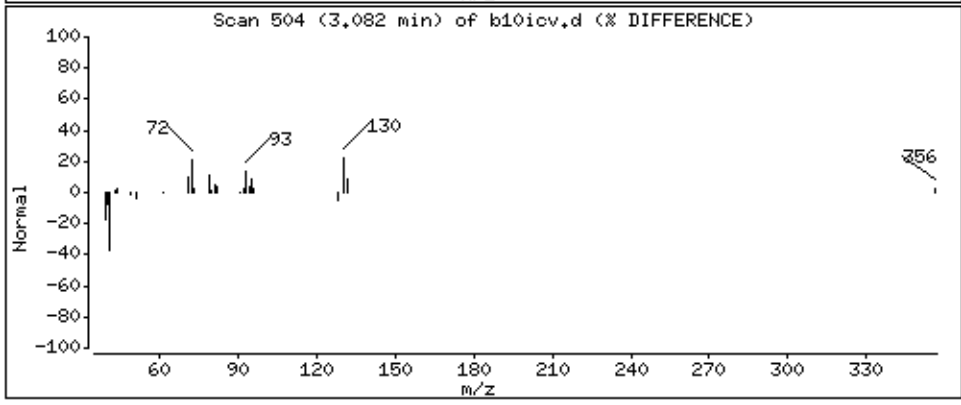
Concentration: 36.7 ppb

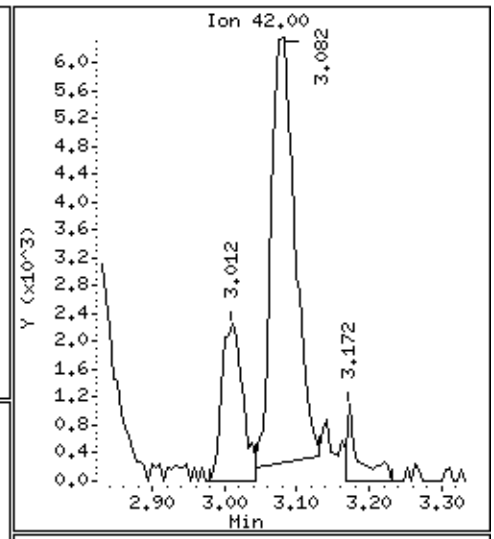
Review Code:

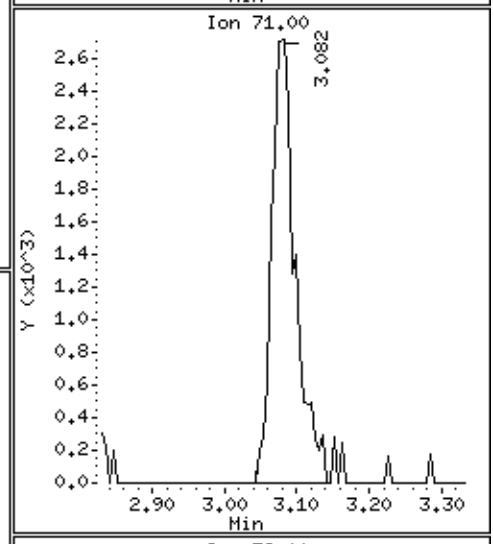


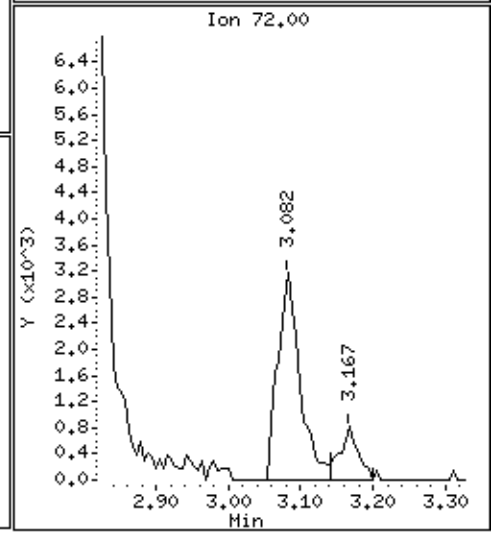












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

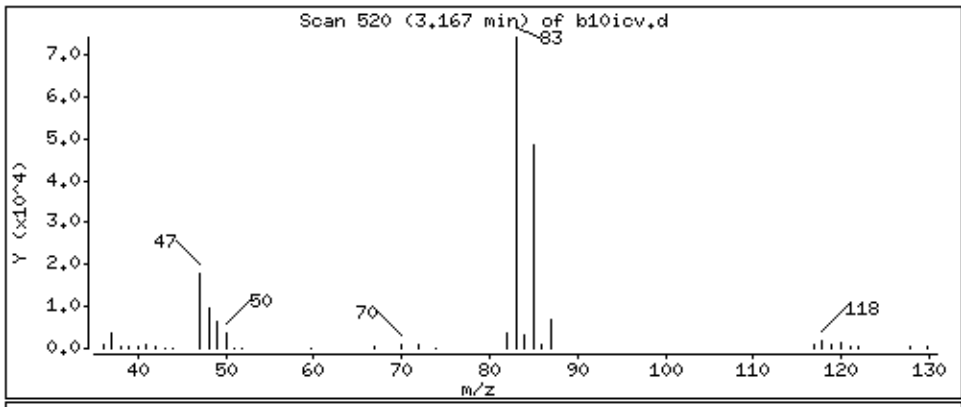
Column phase: DB-624

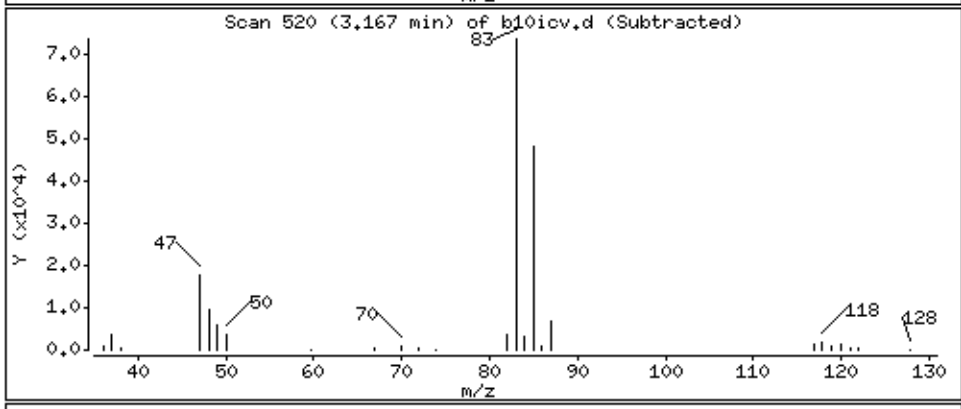
Column diameter: 0.18

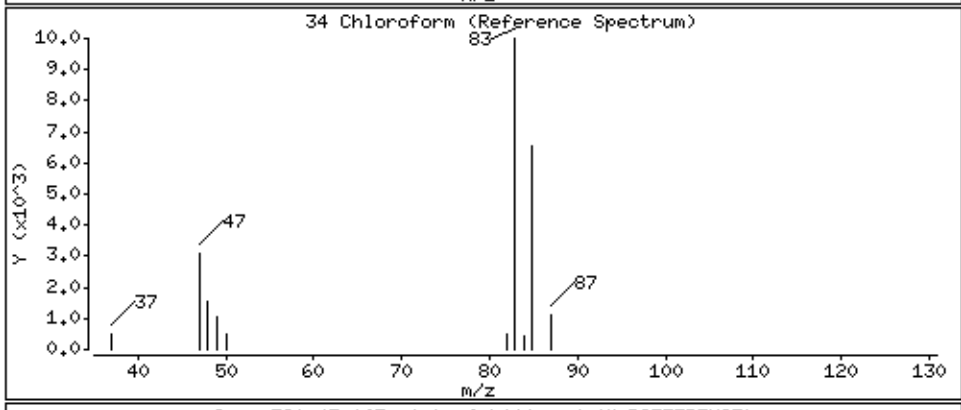
34 Chloroform

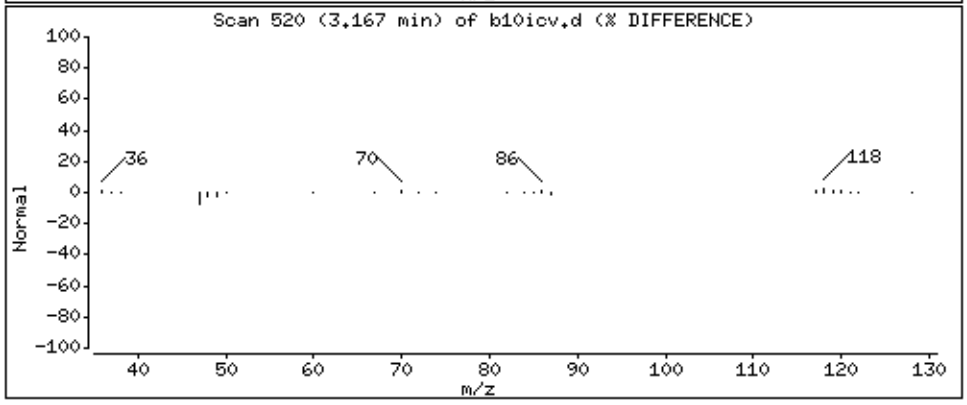
Concentration: 48.6 ppb

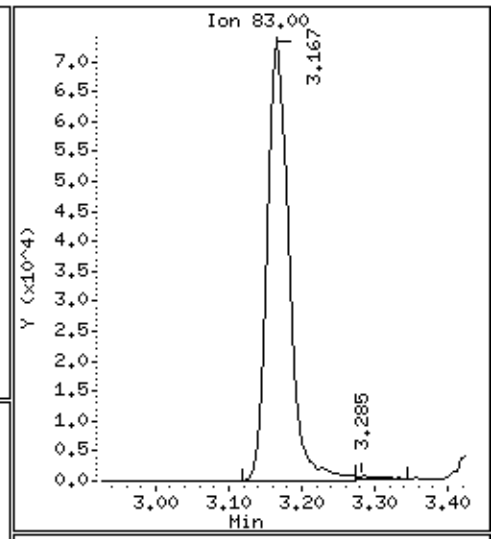
Review Code:

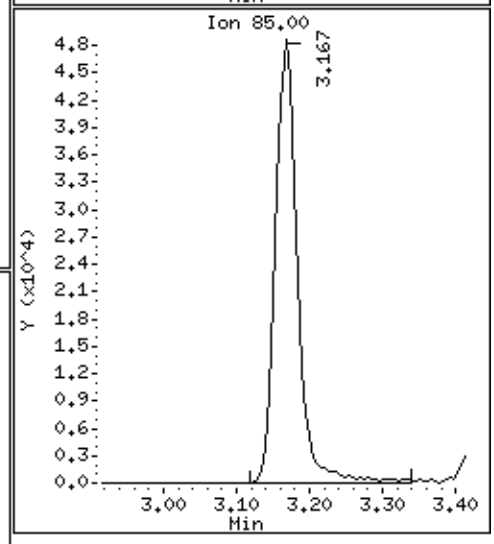












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

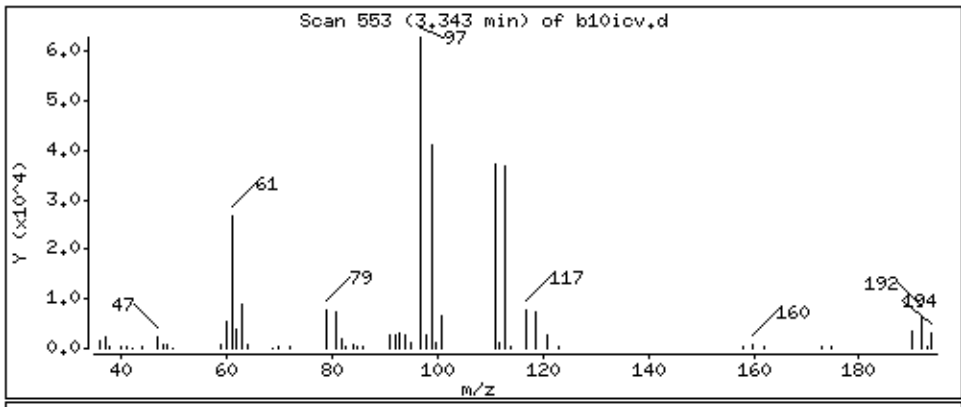
Column phase: DB-624

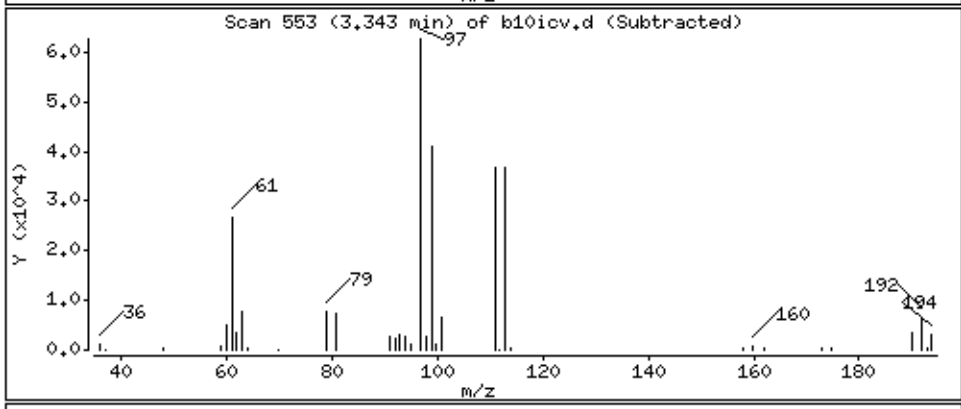
Column diameter: 0.18

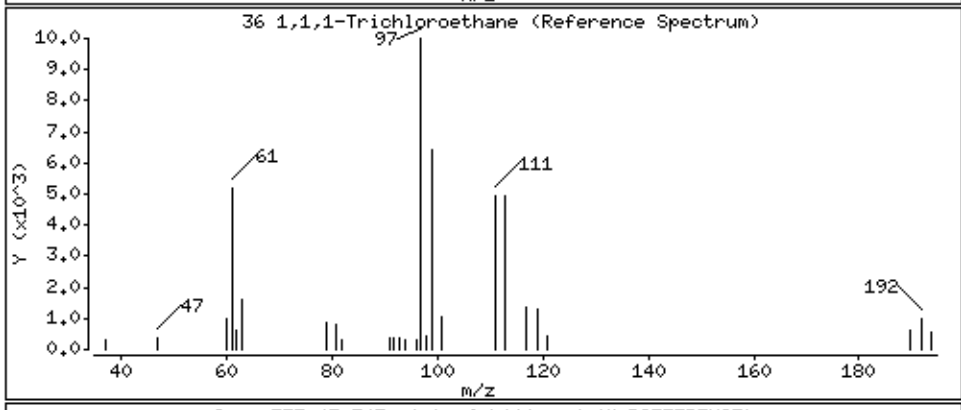
36 1,1,1-Trichloroethane

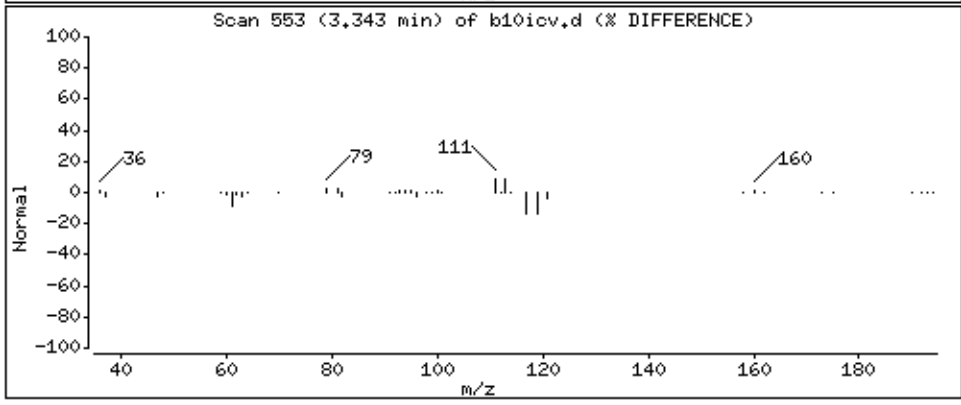
Concentration: 51.4 ppb

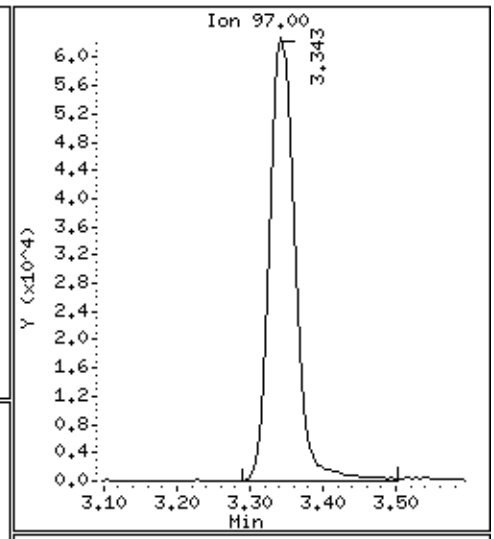
Review Code:

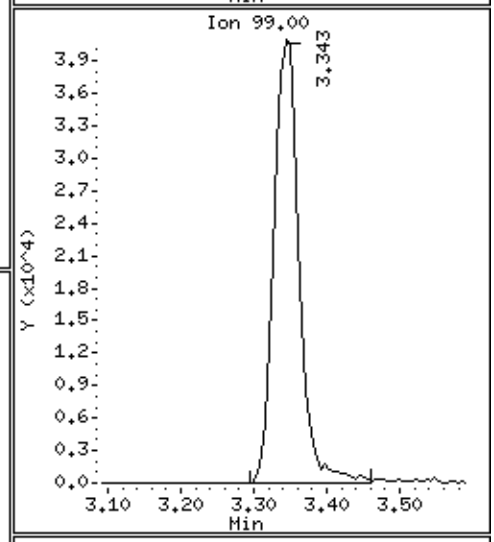


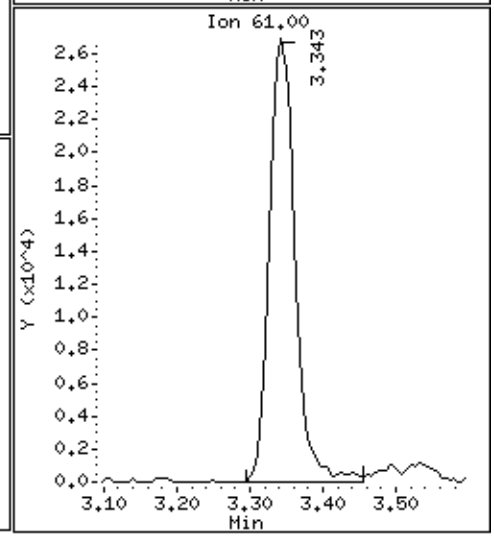












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

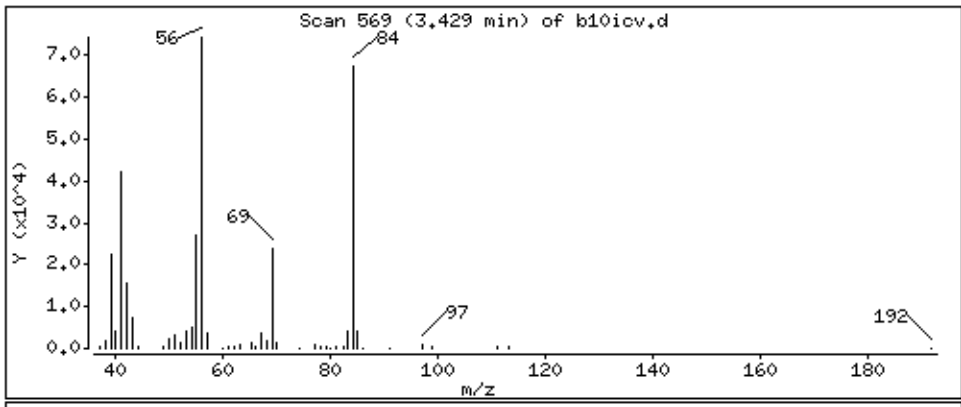
Column phase: DB-624

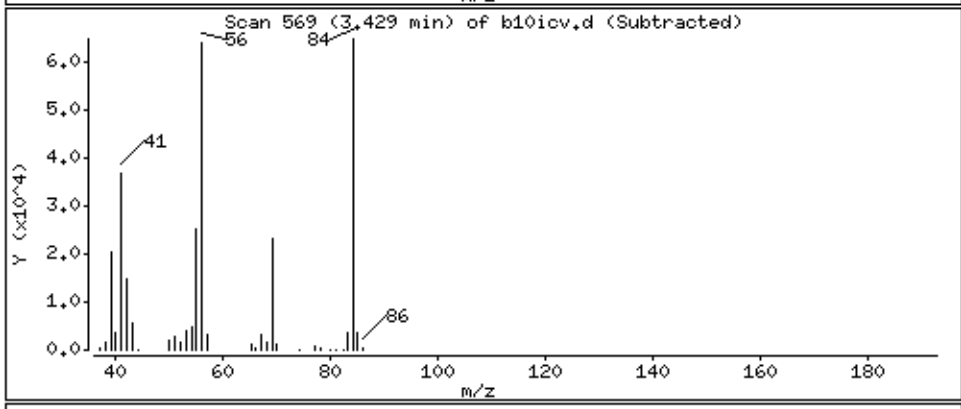
Column diameter: 0.18

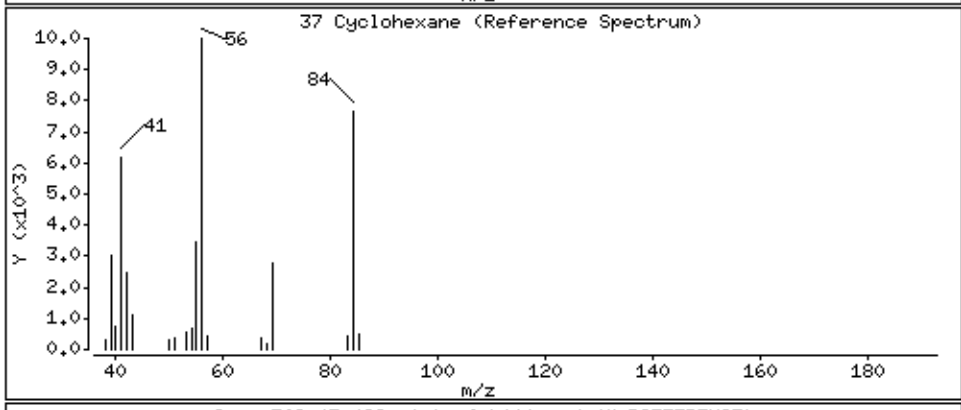
37 Cyclohexane

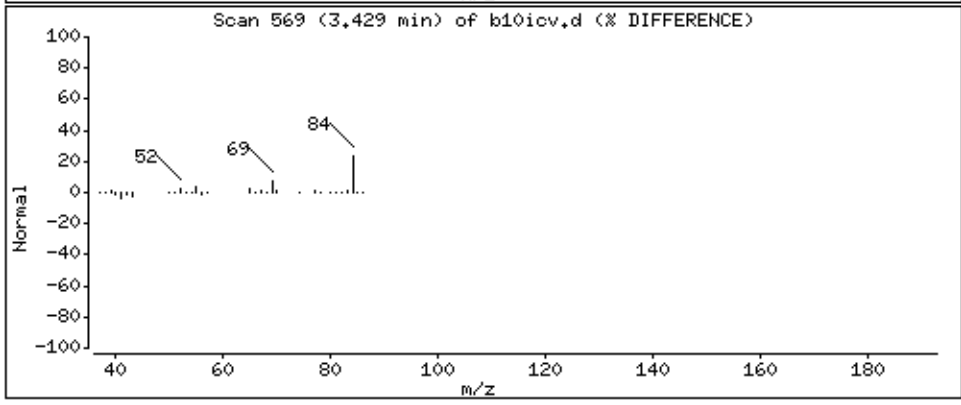
Concentration: 56.8 ppb

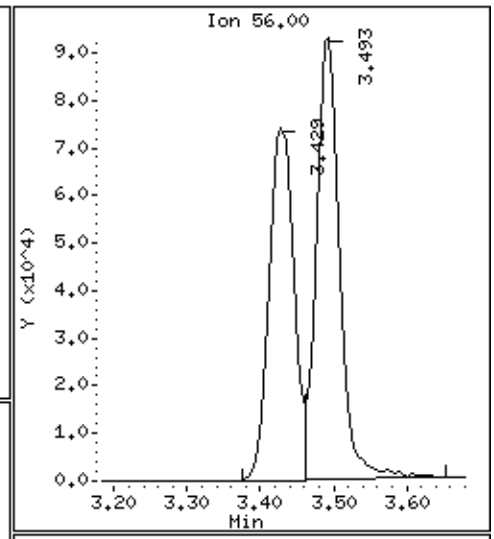
Review Code:

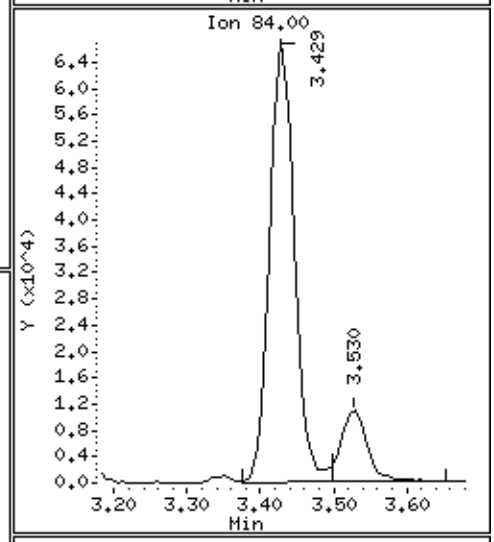


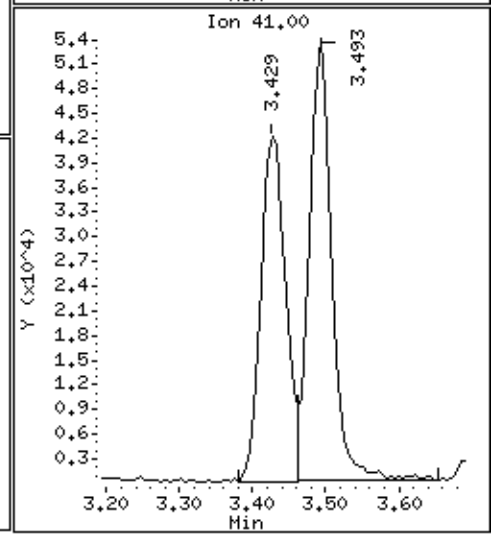












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

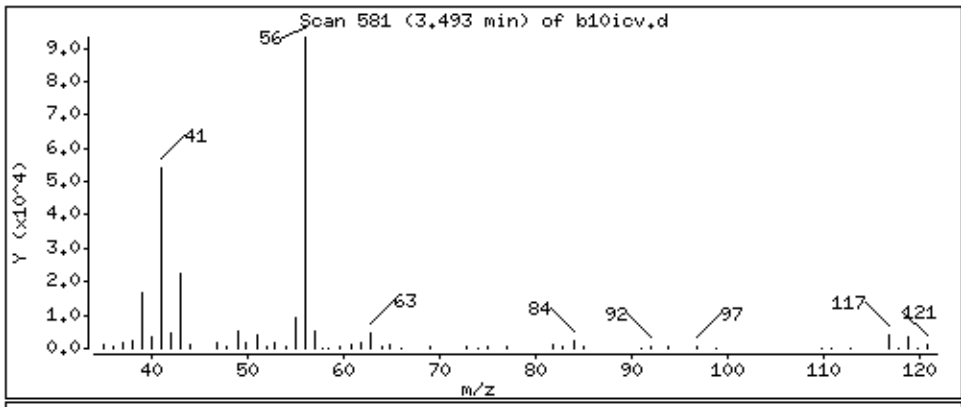
Column phase: DB-624

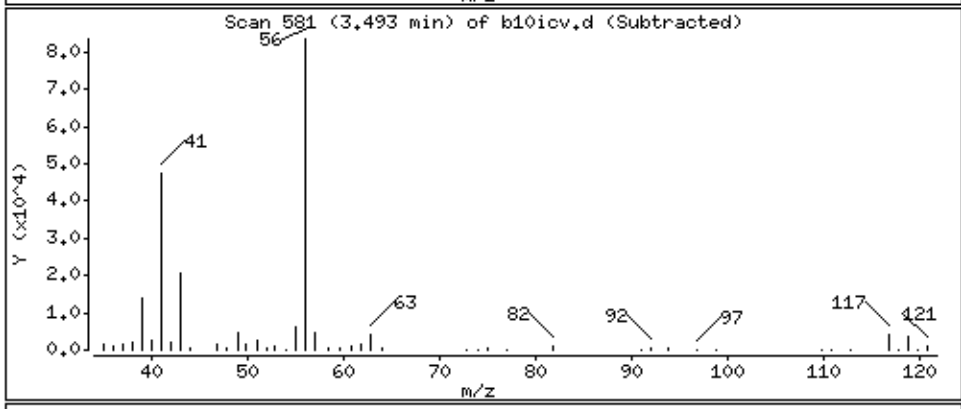
Column diameter: 0.18

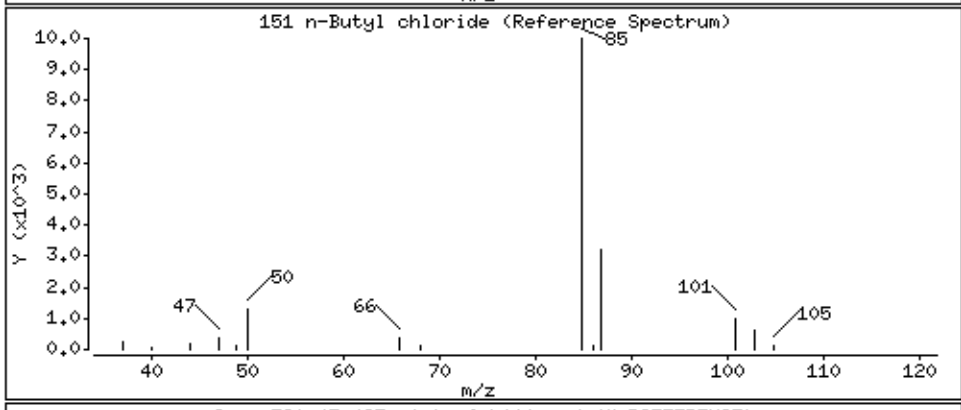
151 n-Butyl chloride

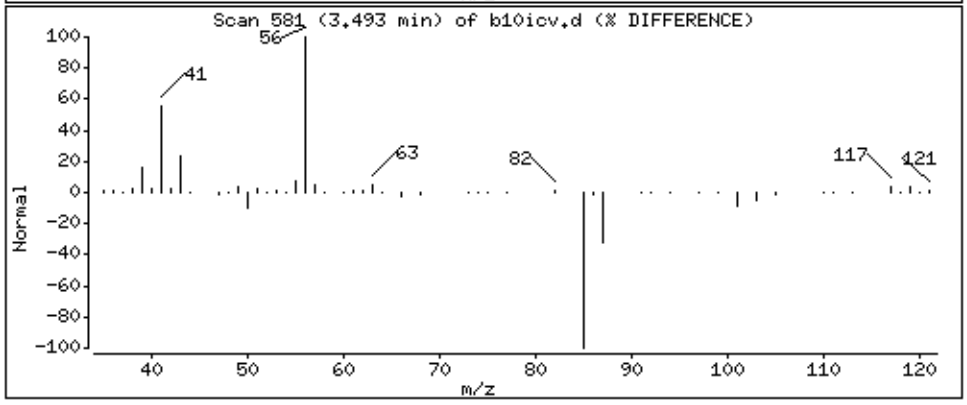
Concentration: 53.9 ppb

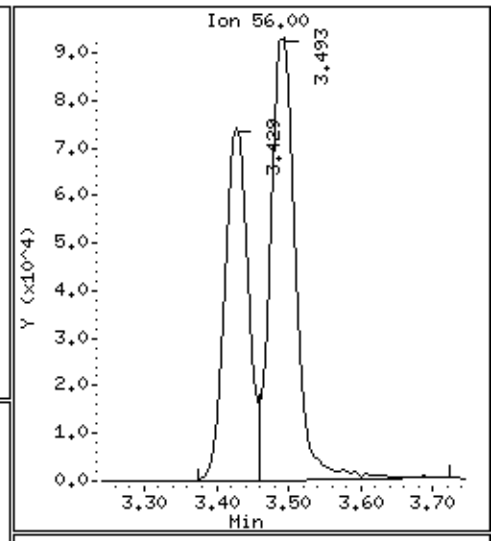
Review Code:

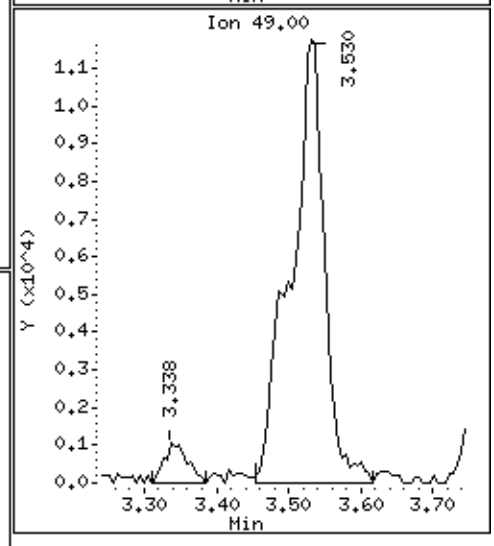












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

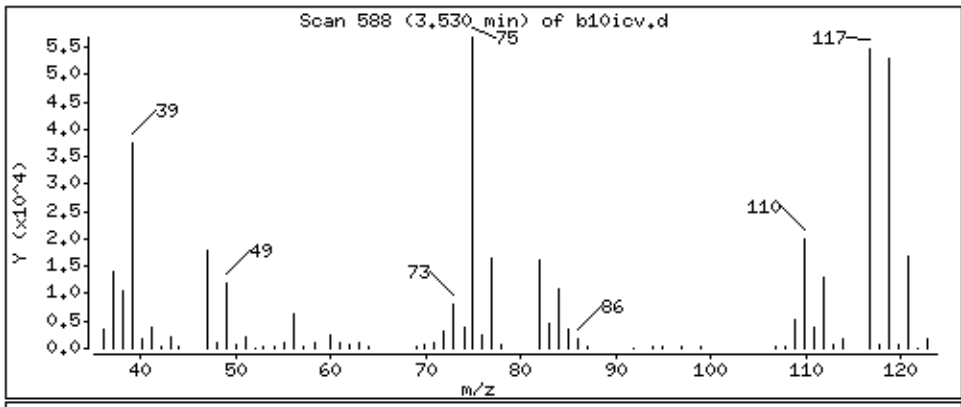
Column phase: DB-624

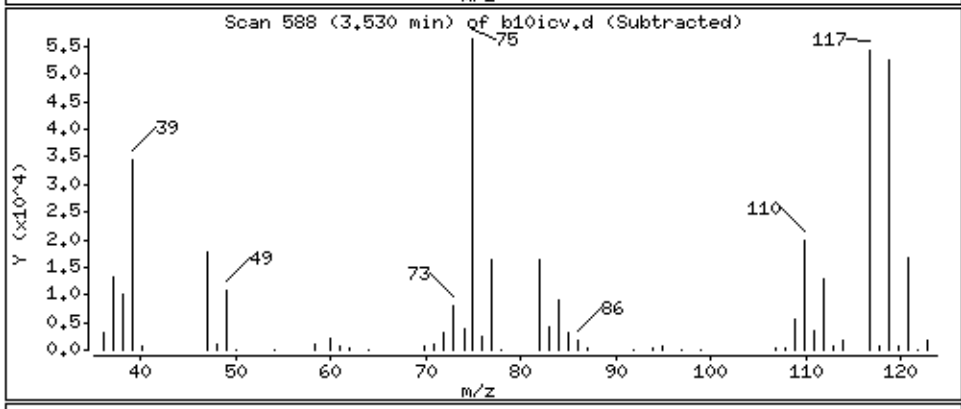
Column diameter: 0.18

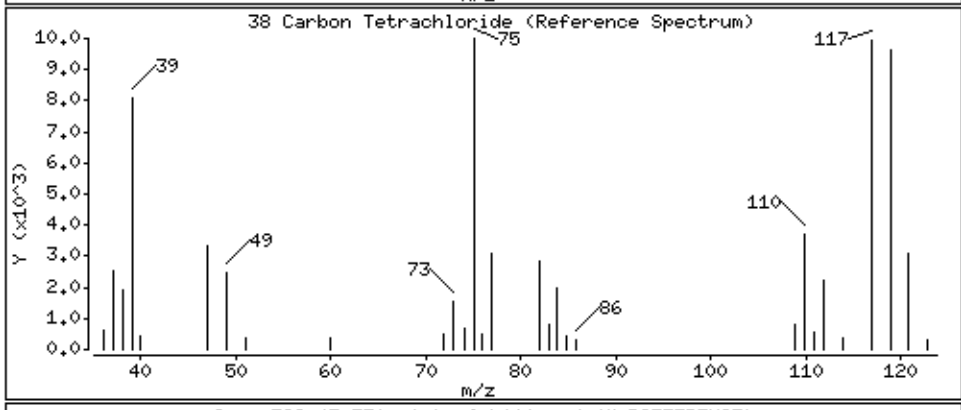
38 Carbon Tetrachloride

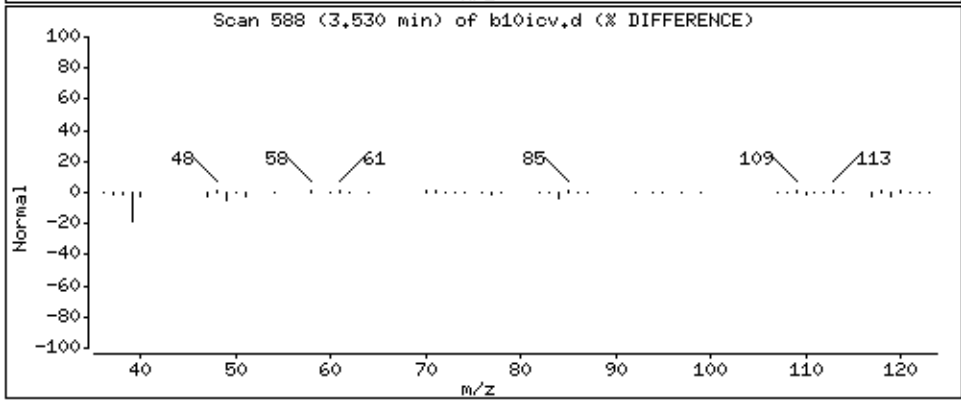
Concentration: 54.6 ppb

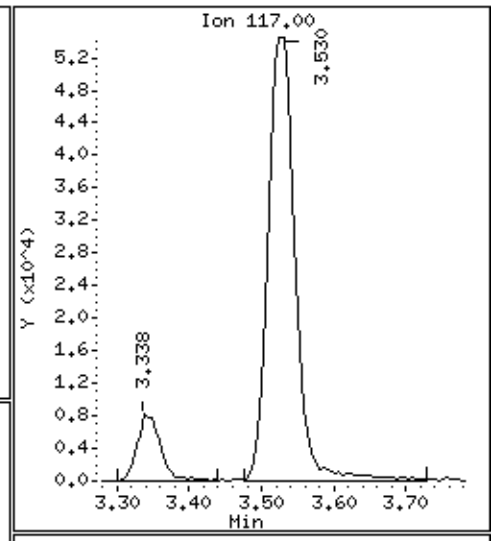
Review Code:

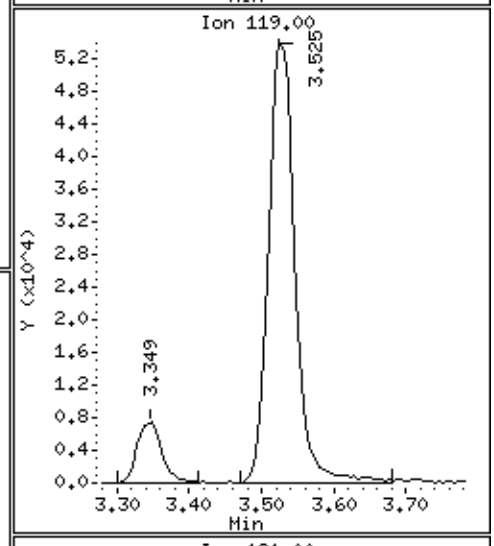


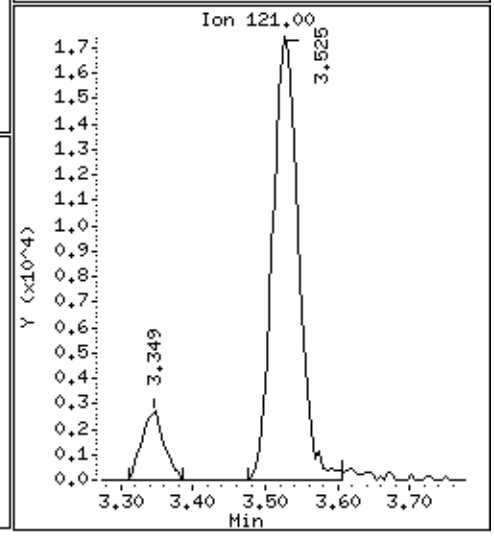












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

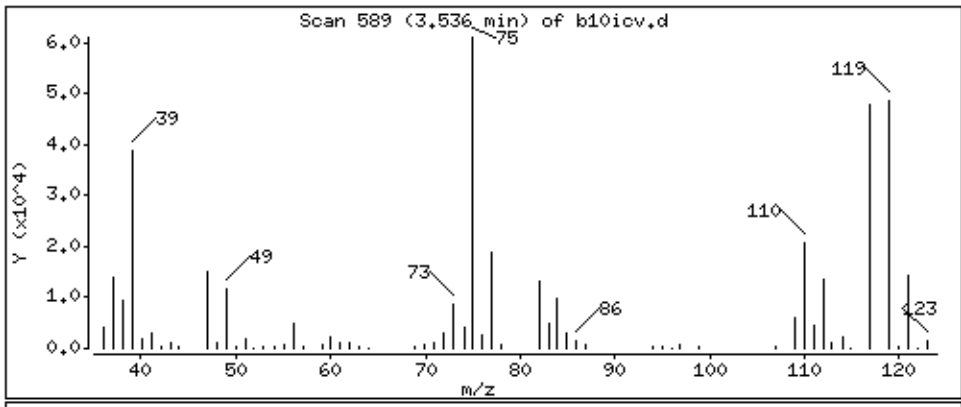
Column phase: DB-624

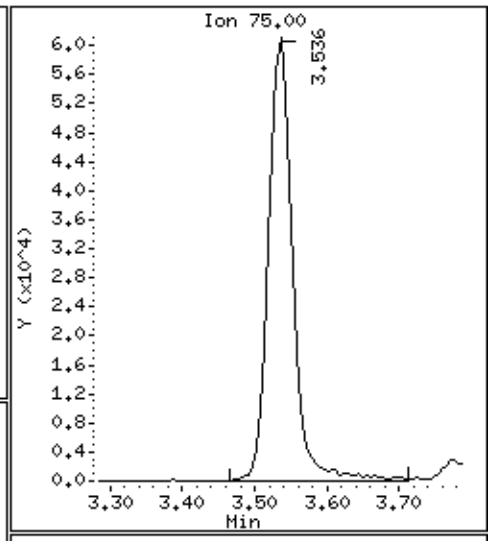
Column diameter: 0.18

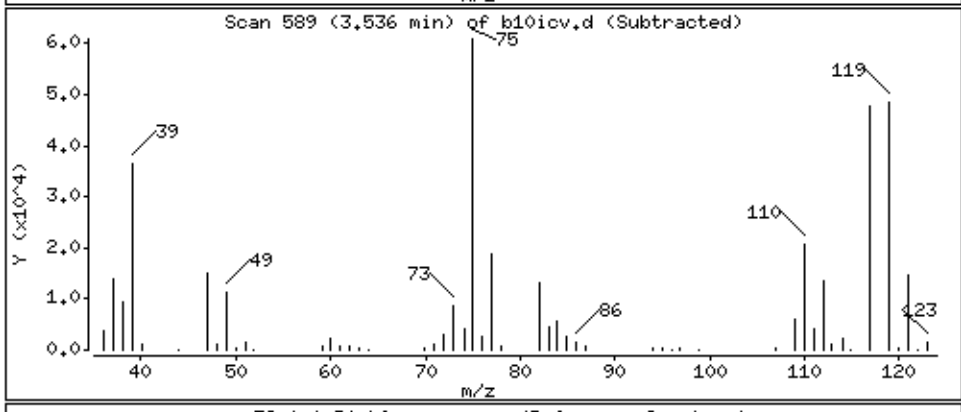
39 1,1-Dichloropropene

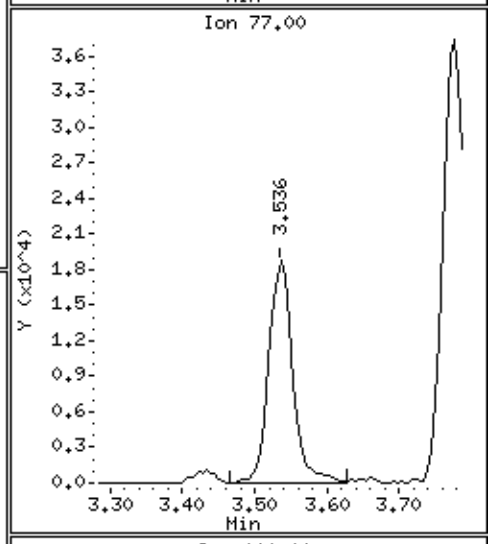
Concentration: 55.1 ppb

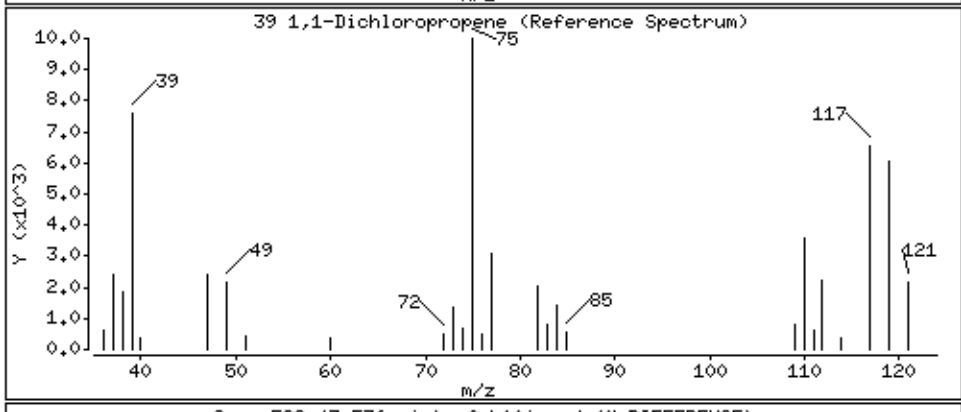
Review Code:

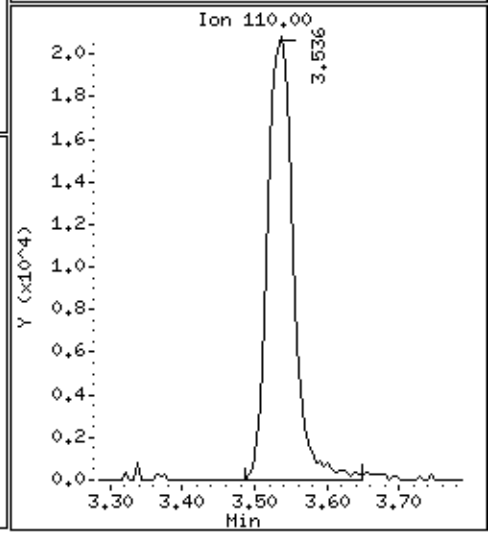


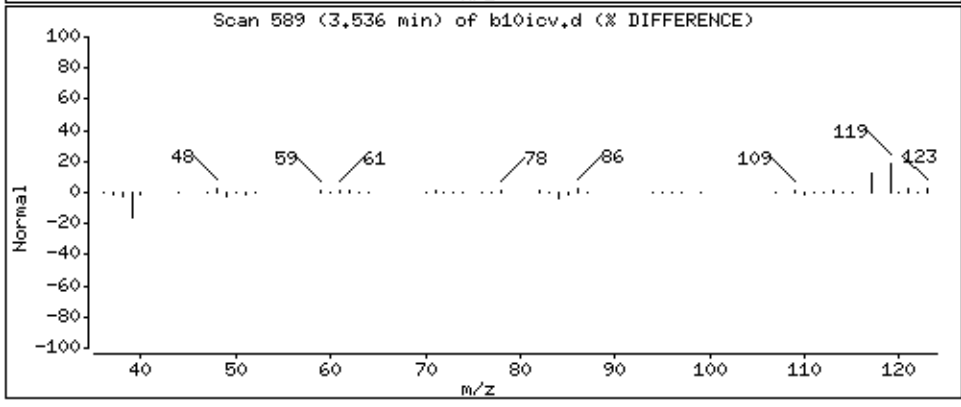












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

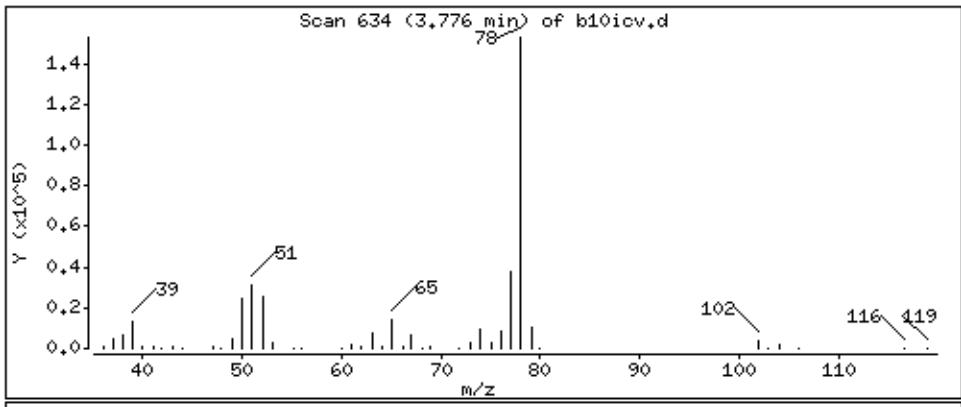
Column phase: DB-624

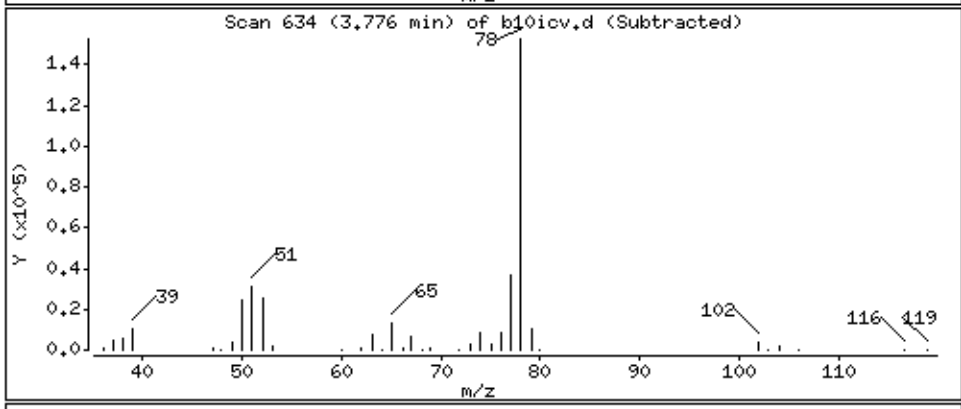
Column diameter: 0.18

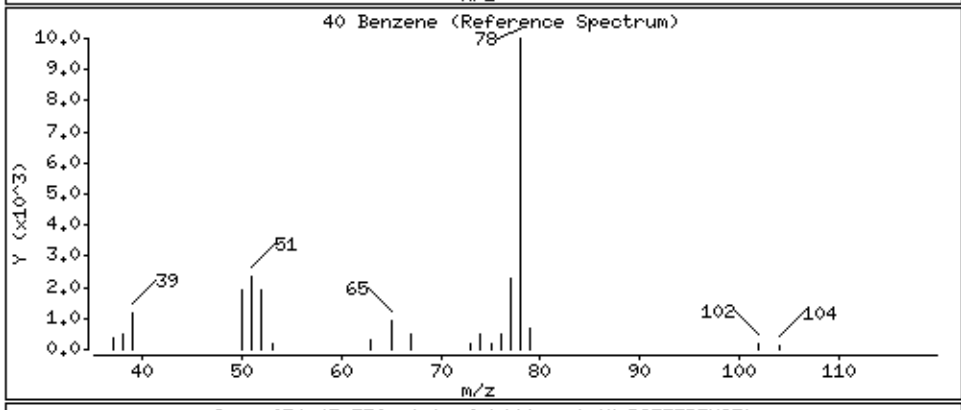
40 Benzene

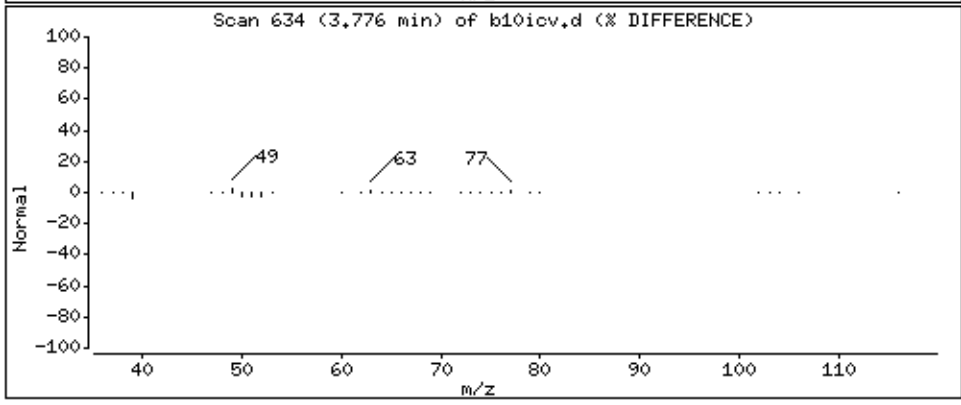
Concentration: 51.1 ppb

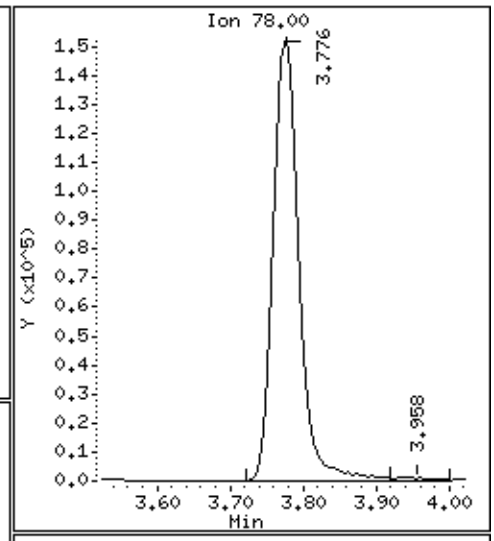
Review Code:

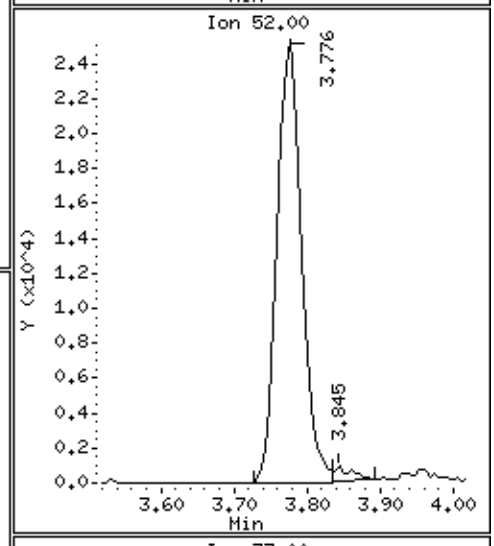


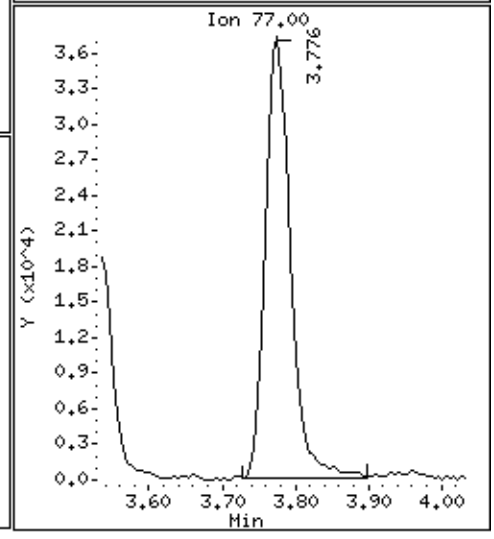












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

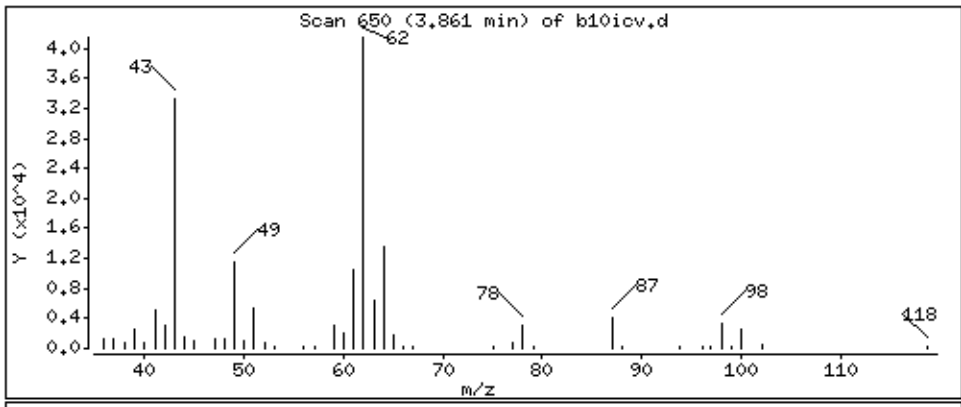
Column phase: DB-624

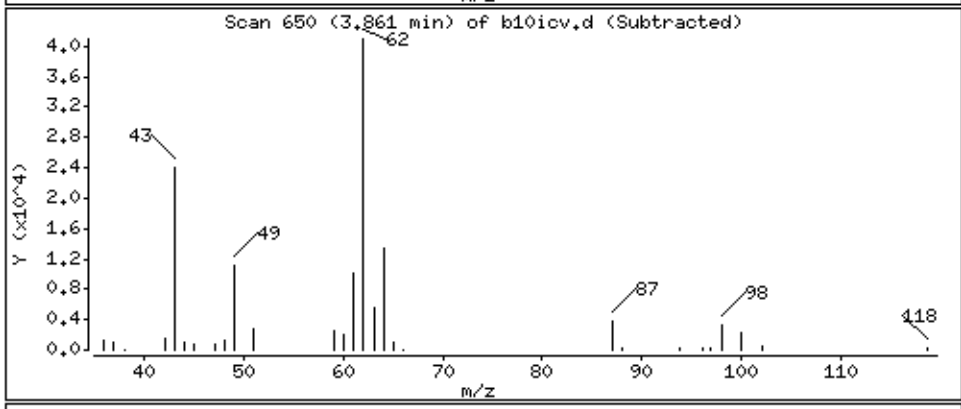
Column diameter: 0.18

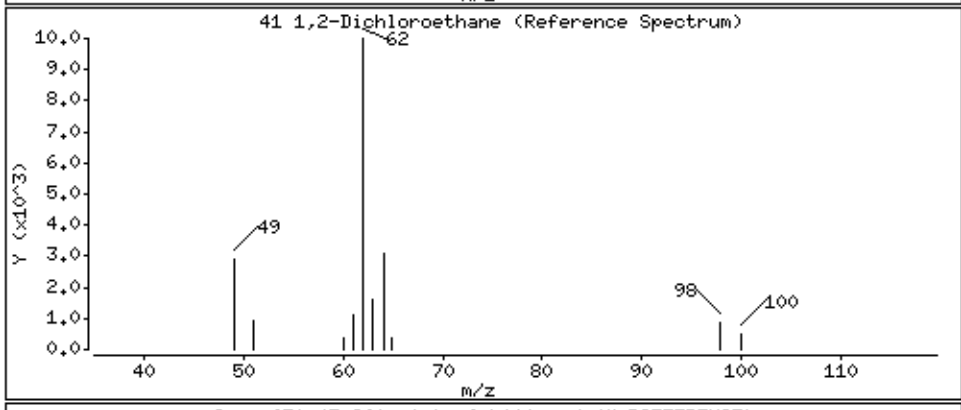
41 1,2-Dichloroethane

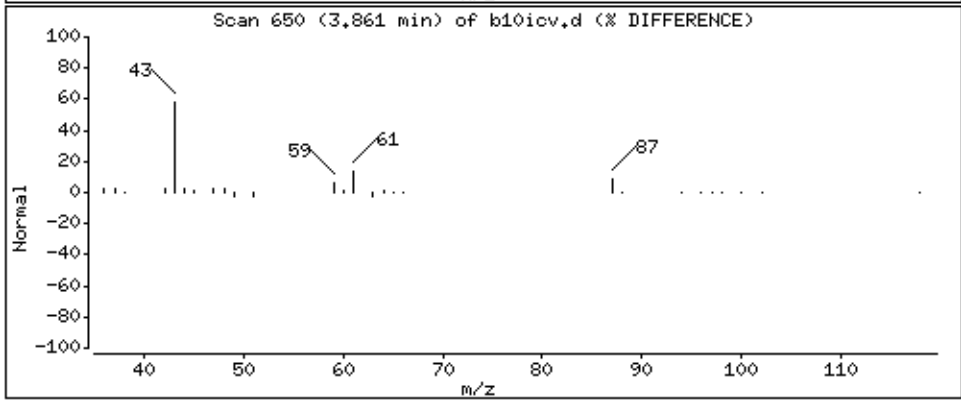
Concentration: 49.9 ppb

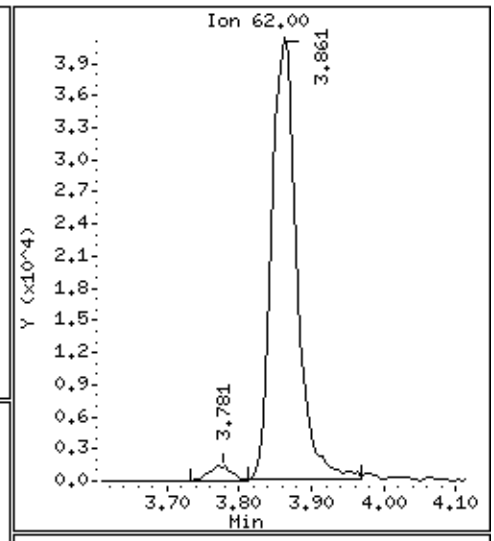
Review Code:

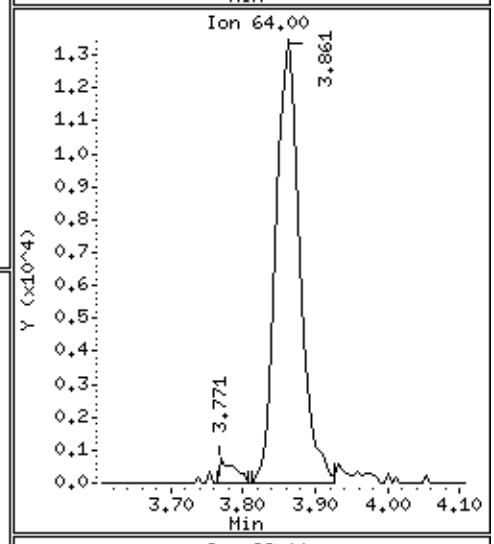


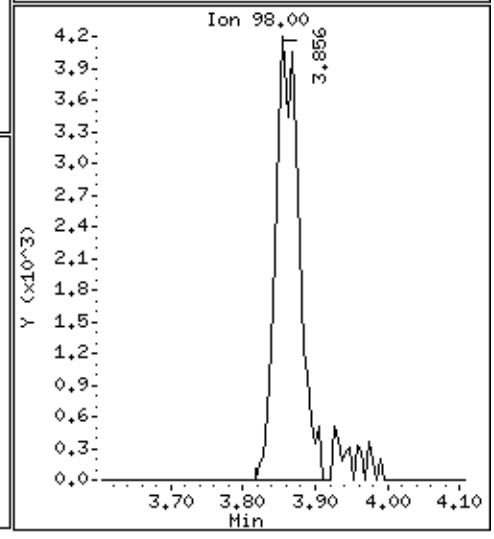












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

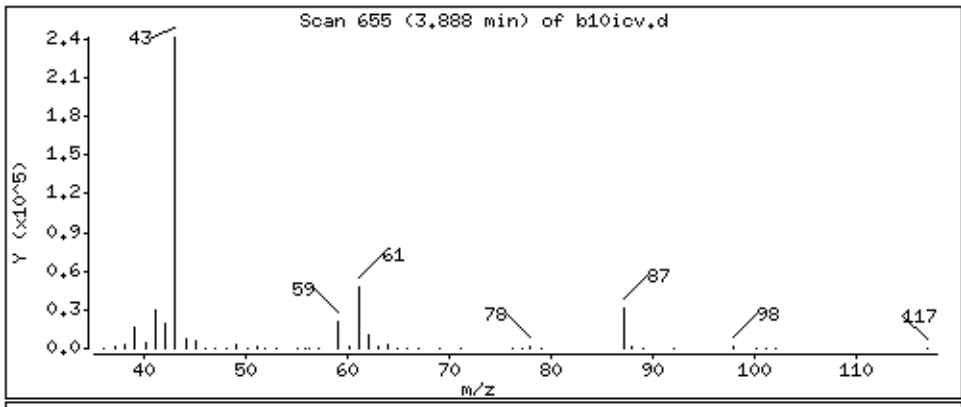
Column phase: DB-624

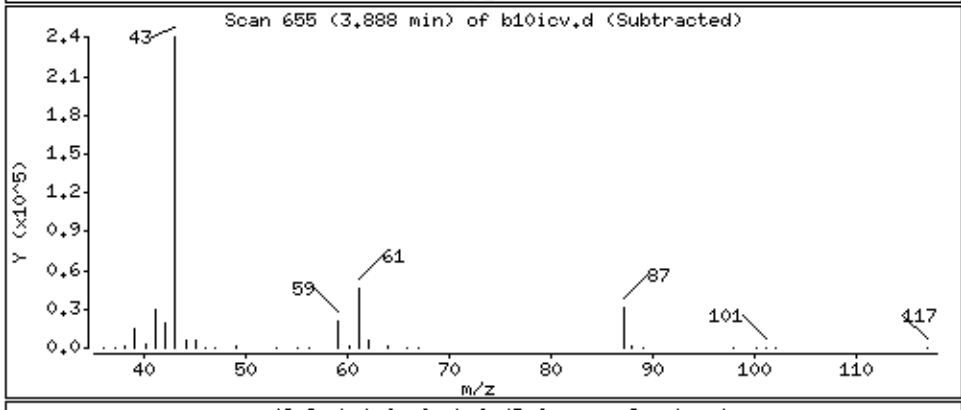
Column diameter: 0.18

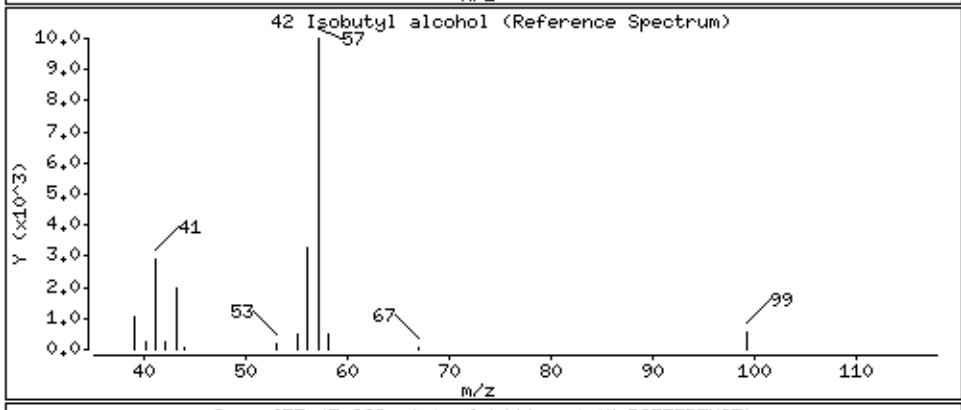
42 Isobutyl alcohol

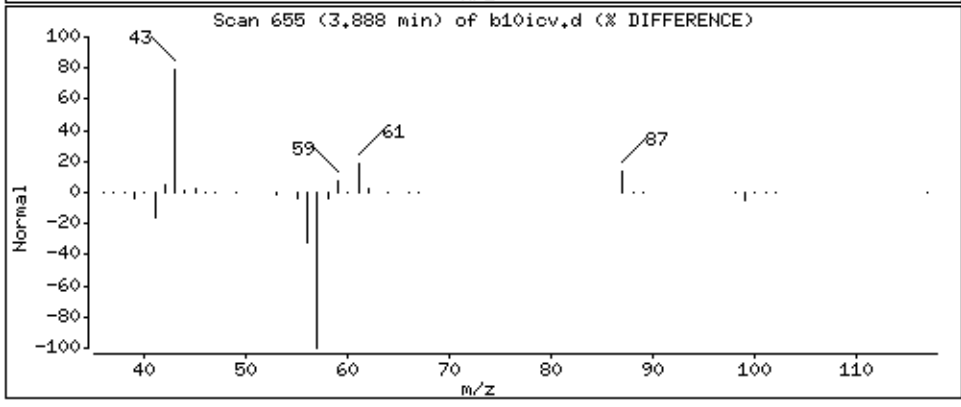
Concentration: 423 ppb

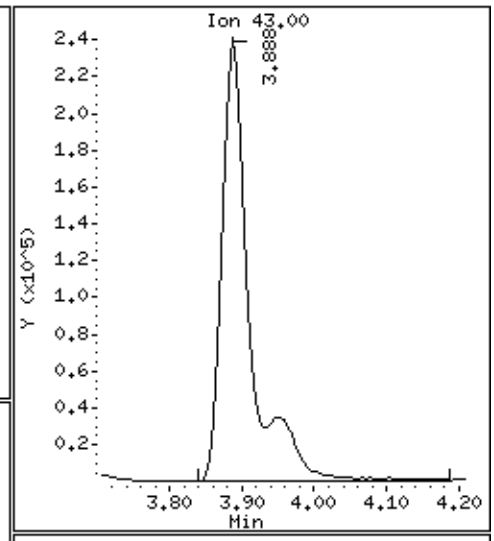
Review Code:

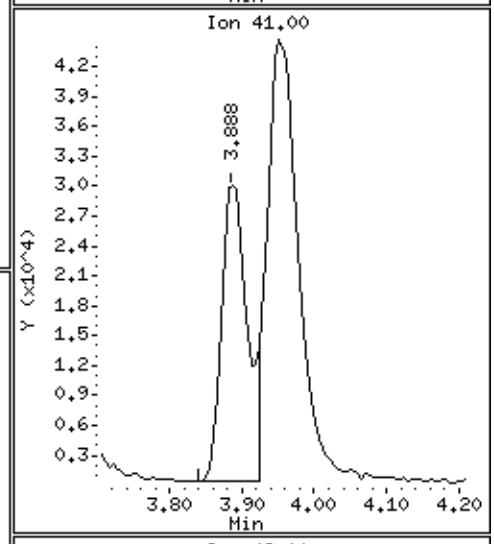


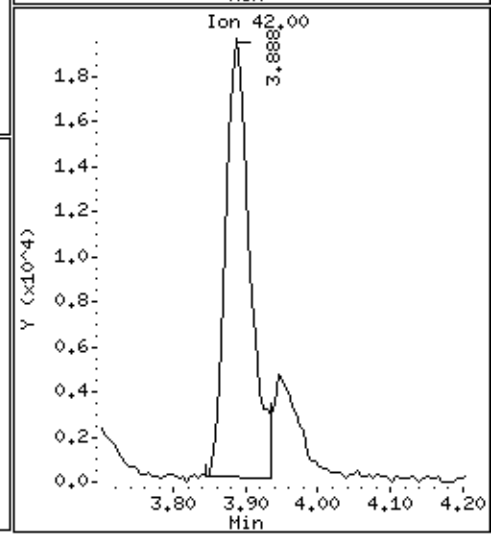












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

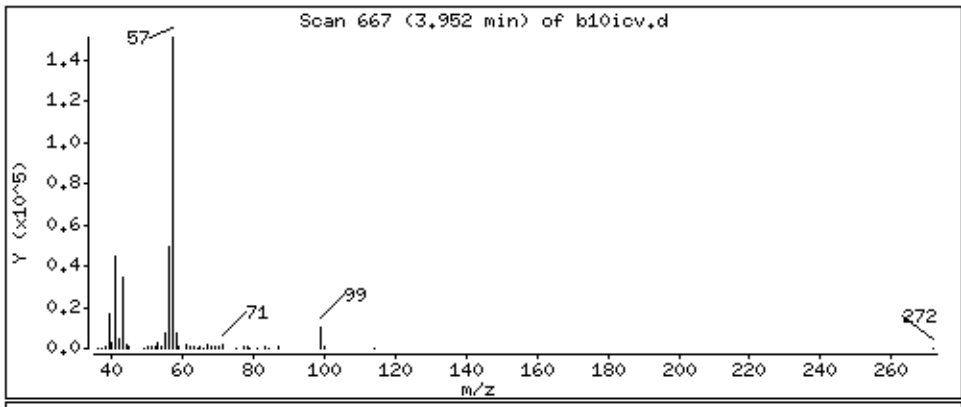
Column phase: DB-624

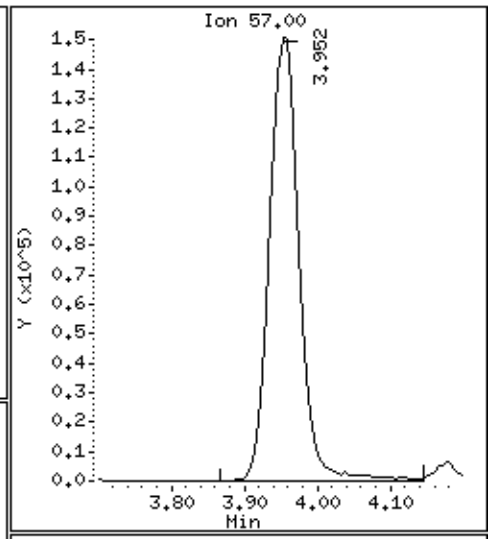
Column diameter: 0.18

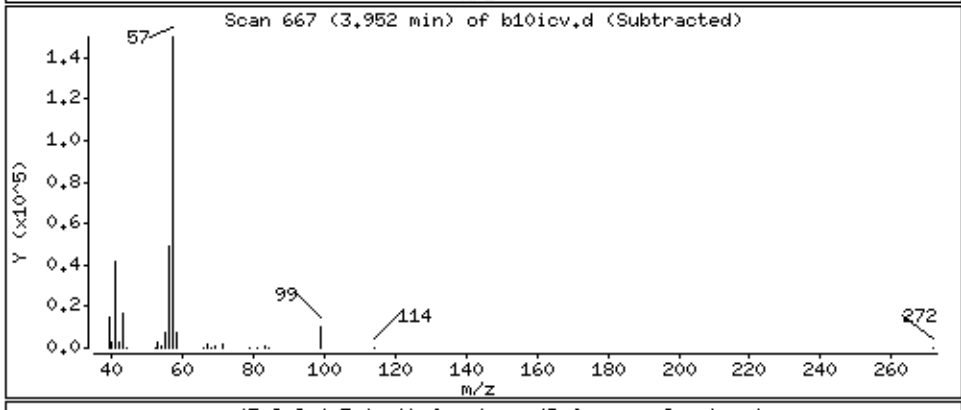
43 2,2,4-Trimethylpentane

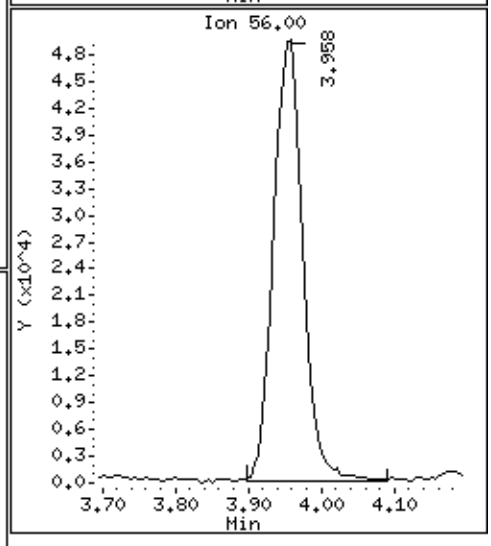
Concentration: 52.2 ppb

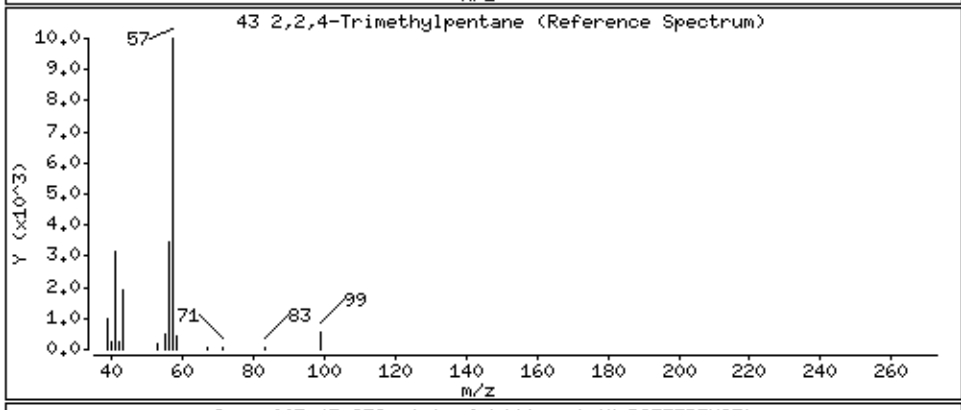
Review Code:

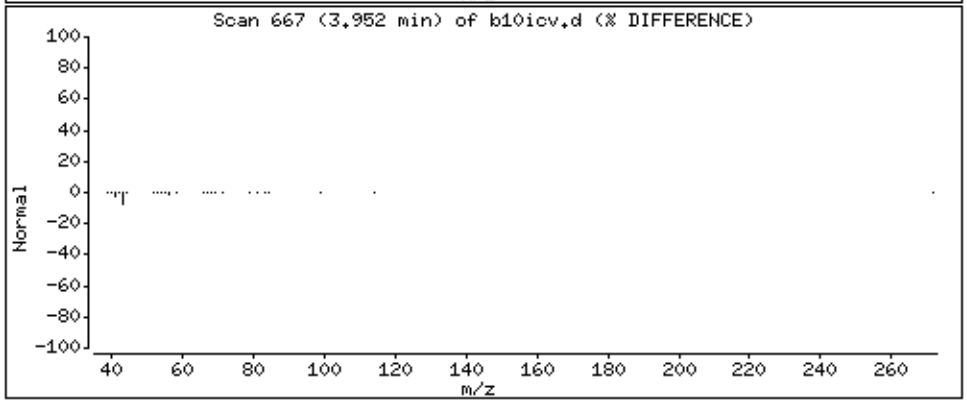












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

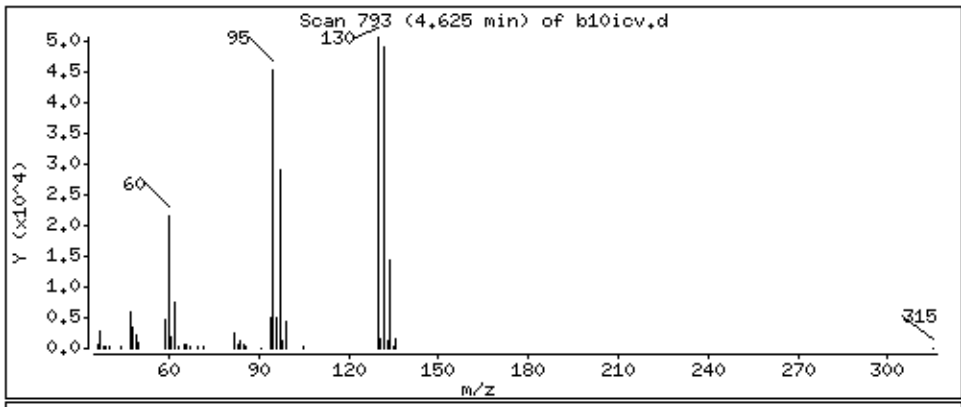
Column phase: DB-624

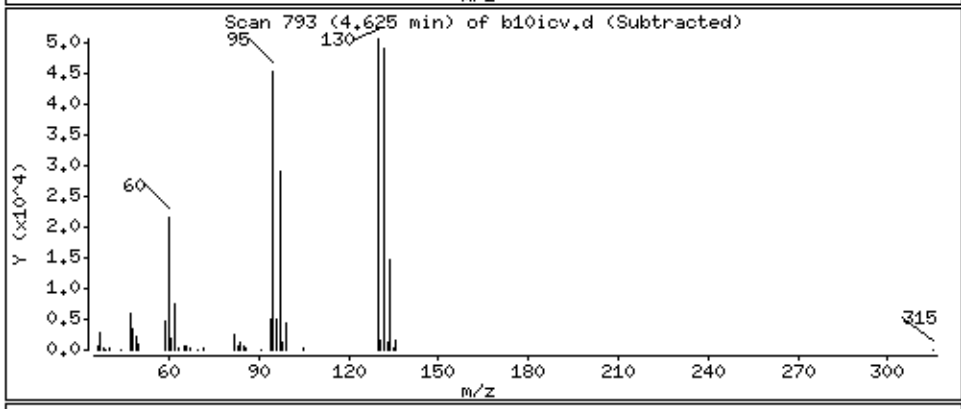
Column diameter: 0.18

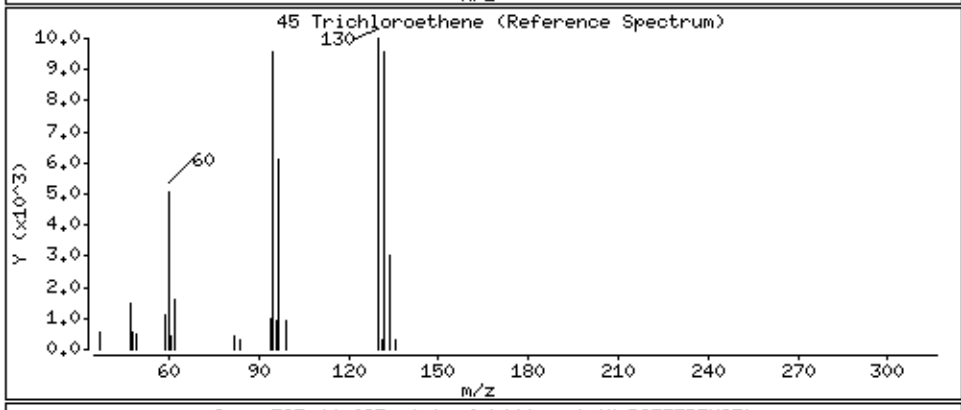
45 Trichloroethene

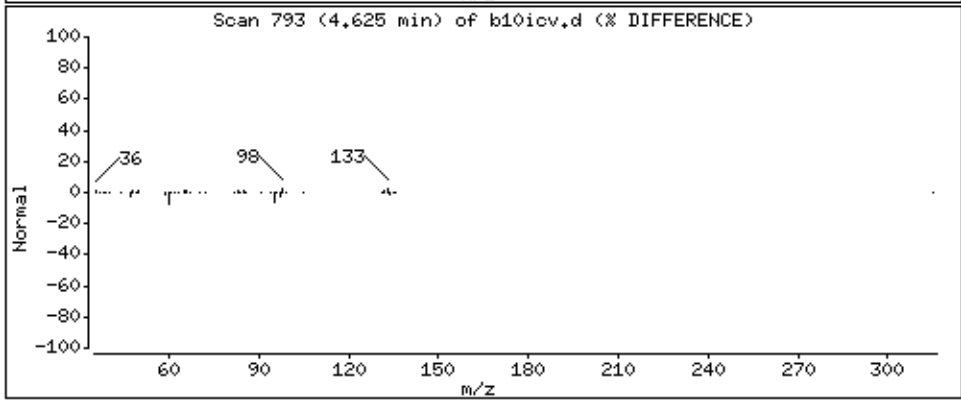
Concentration: 51.0 ppb

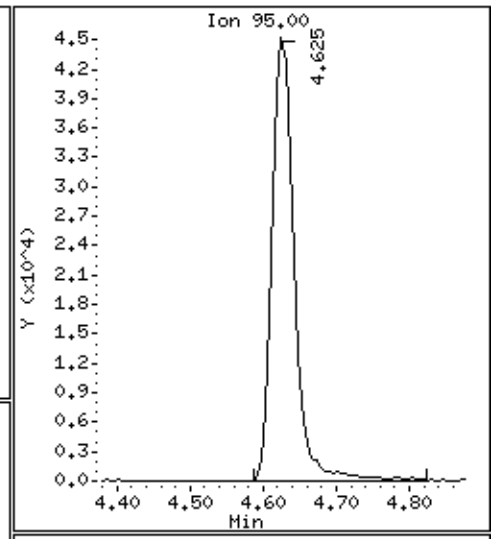
Review Code:

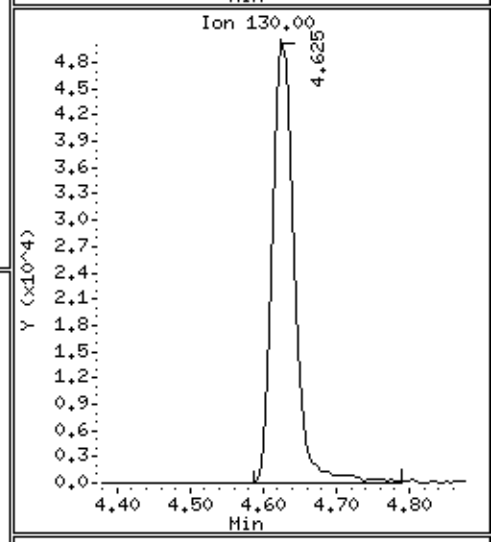


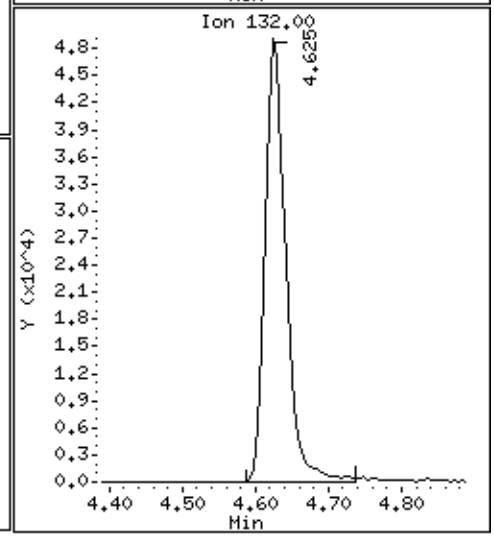












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

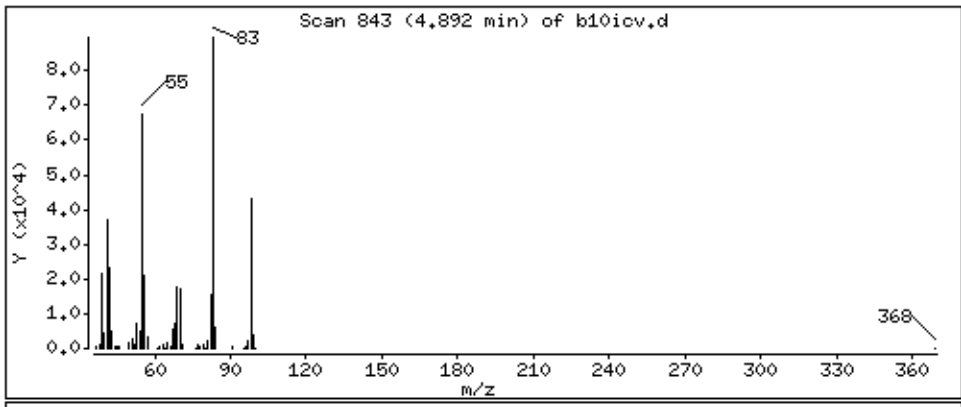
Column phase: DB-624

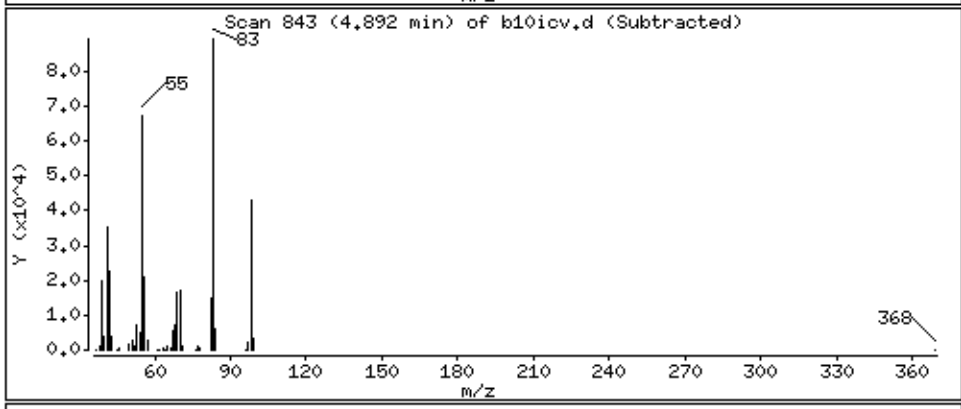
Column diameter: 0.18

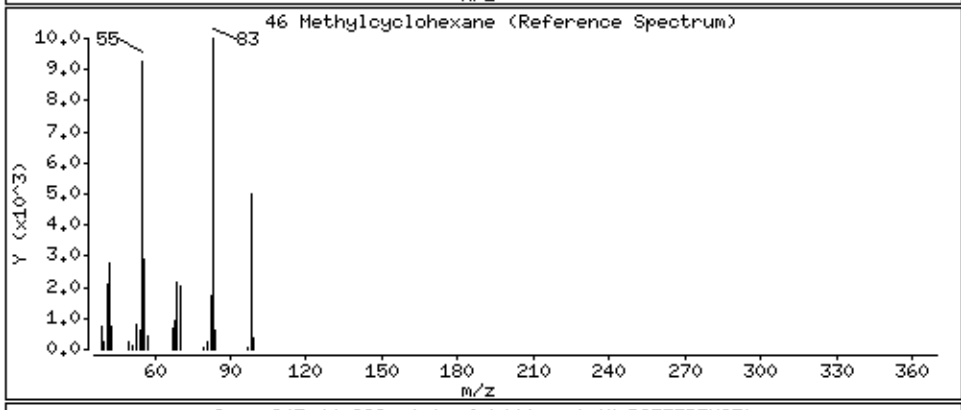
46 Methylcyclohexane

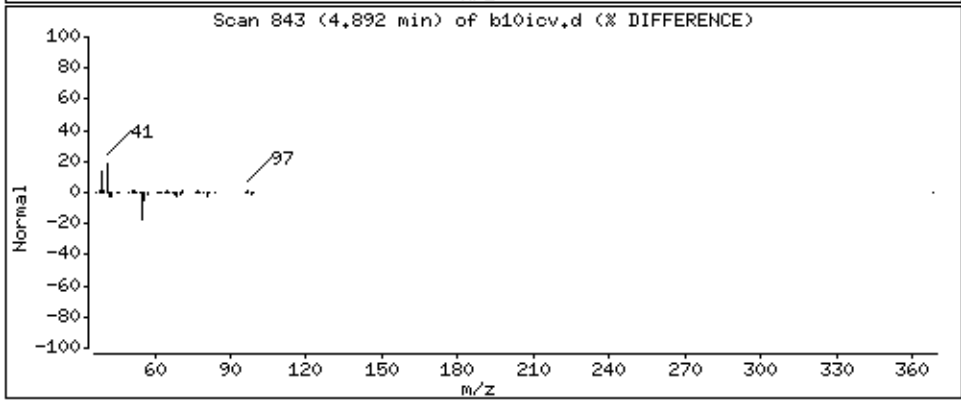
Concentration: 56.4 ppb

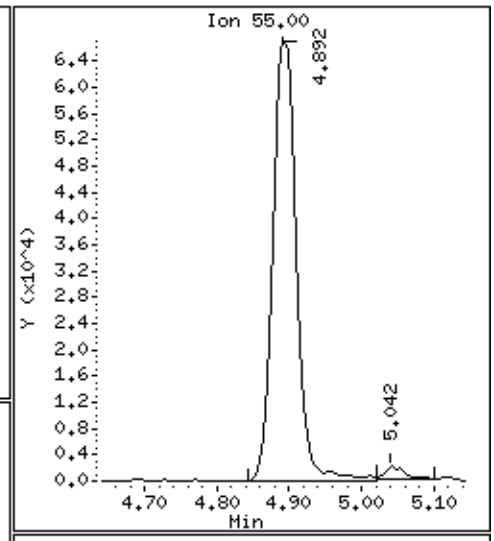
Review Code:

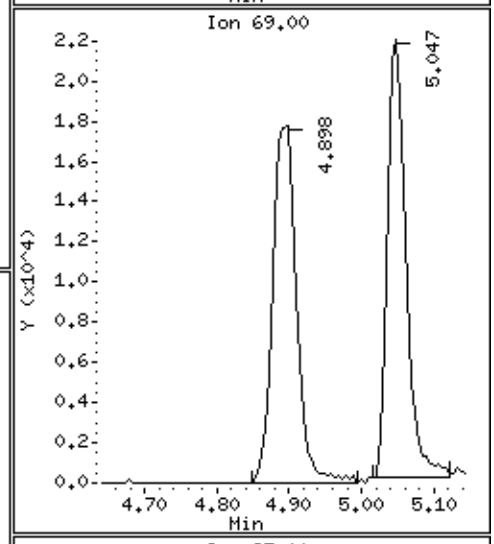


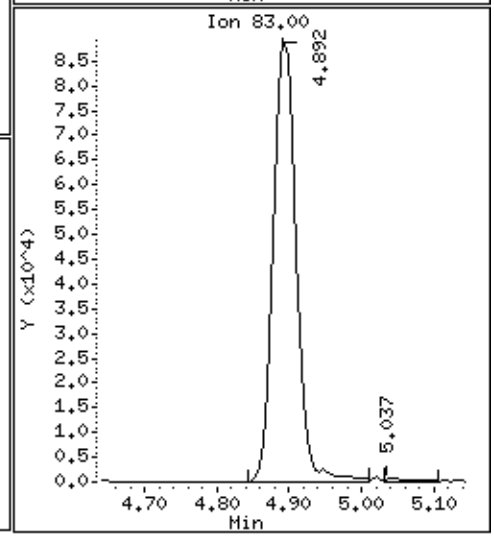












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

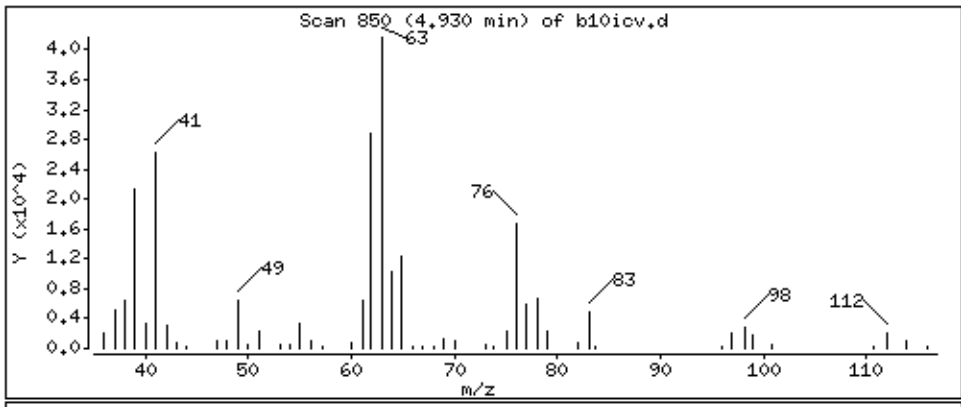
Column phase: DB-624

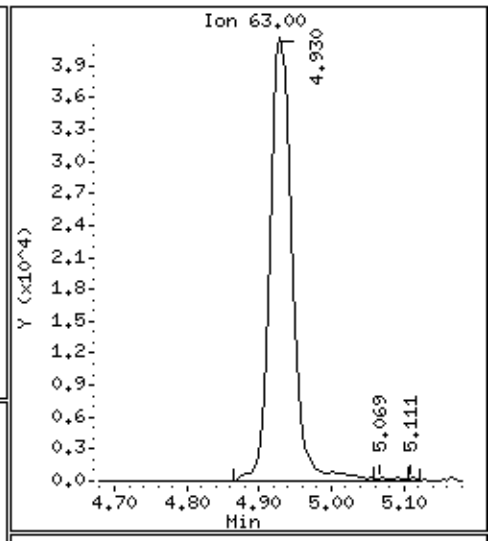
Column diameter: 0.18

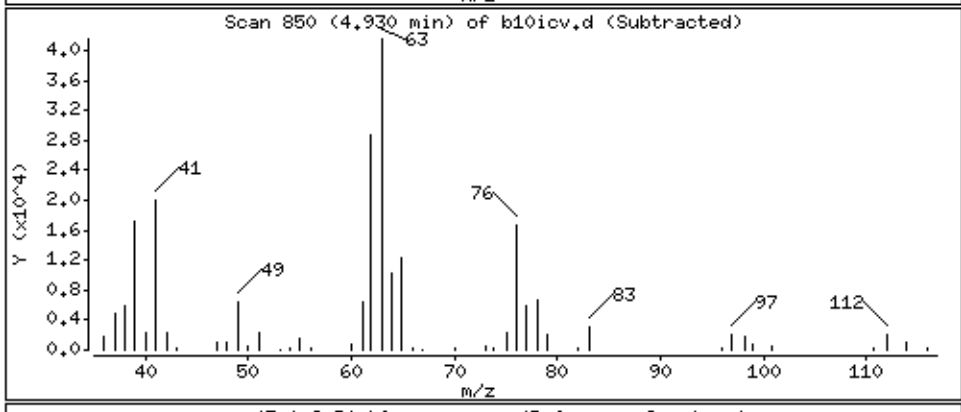
47 1,2-Dichloropropane

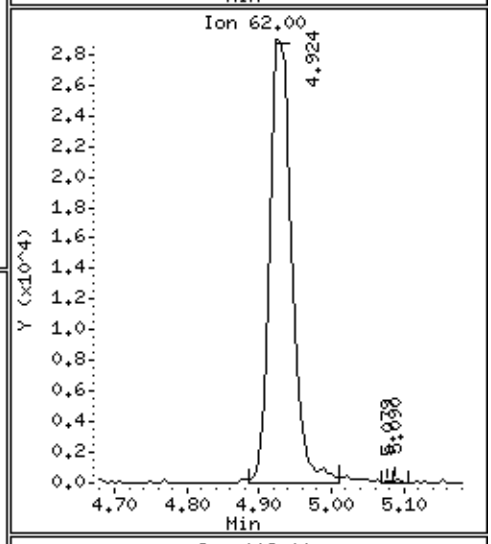
Concentration: 51.6 ppb

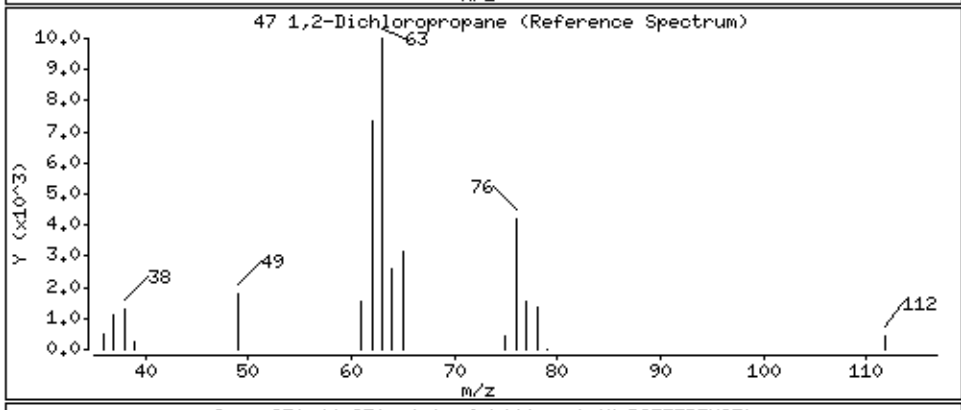
Review Code:

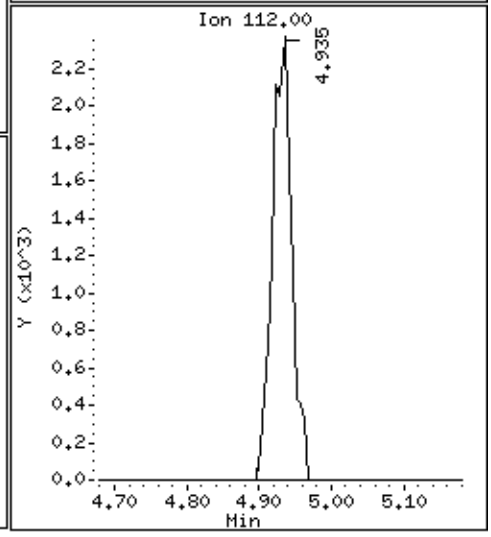


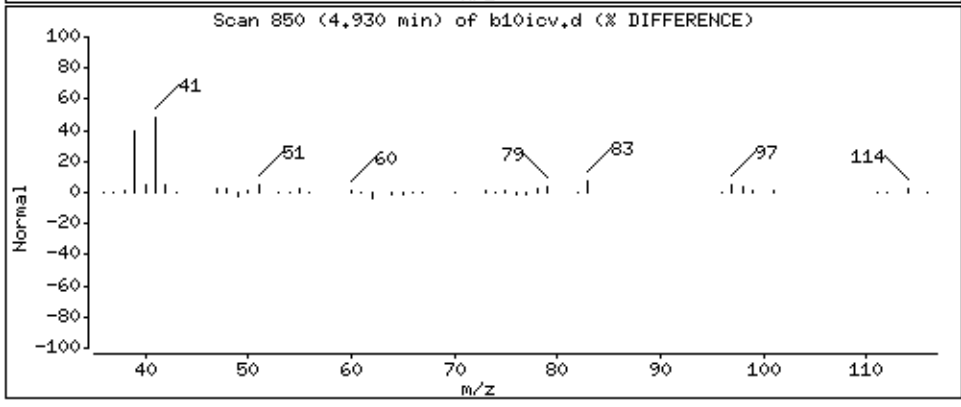












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Page 51

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

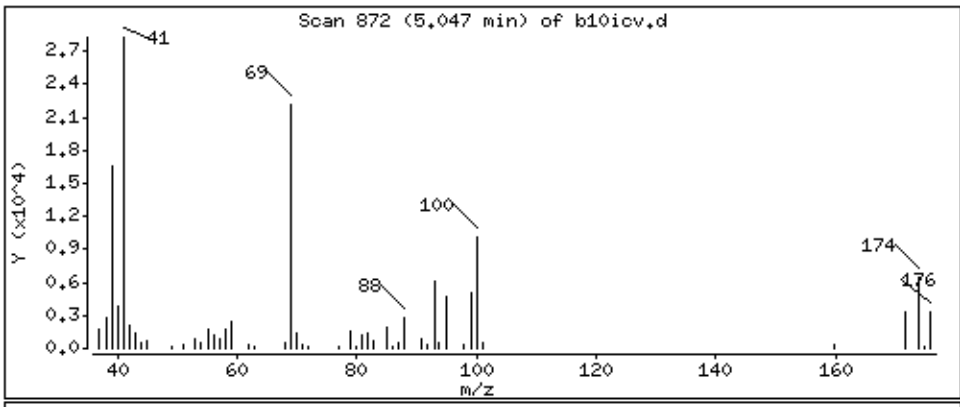
Column phase: DB-624

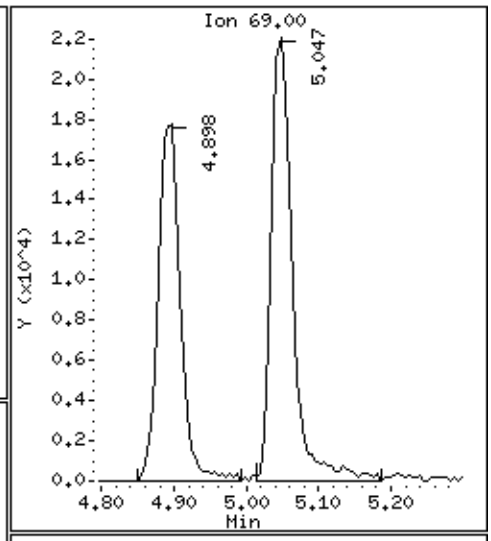
Column diameter: 0.18

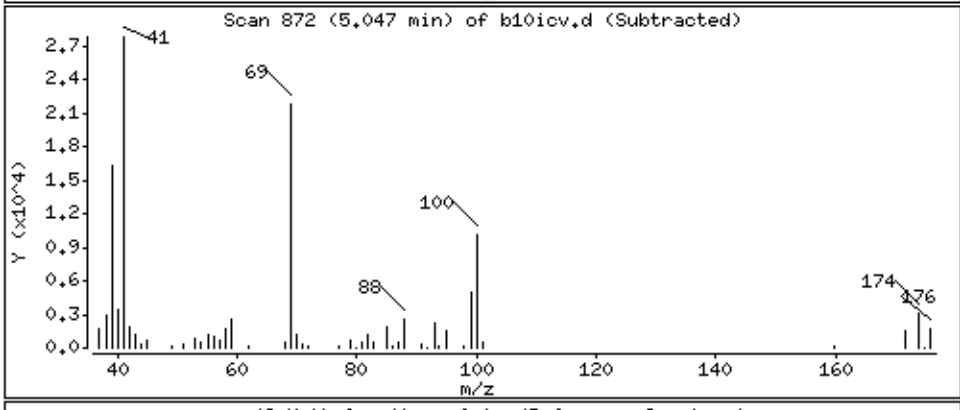
48 Methyl methacrylate

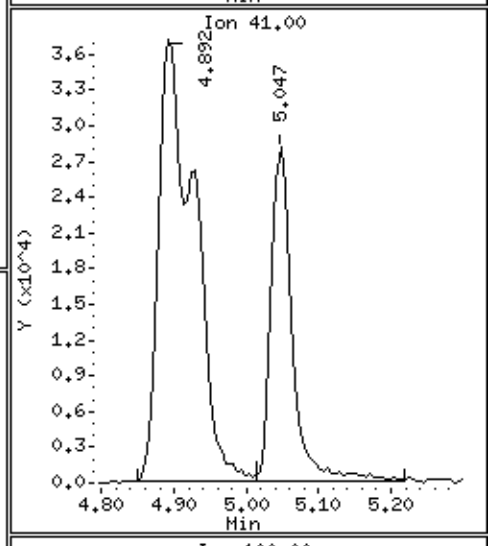
Concentration: 52.0 ppb

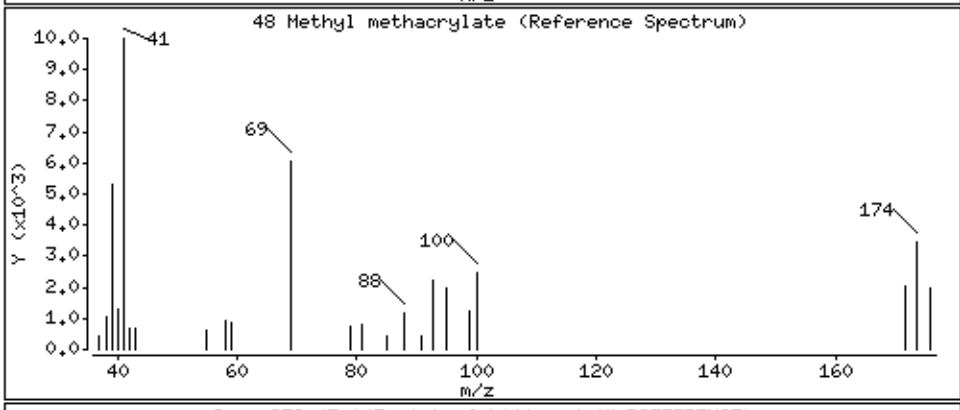
Review Code:

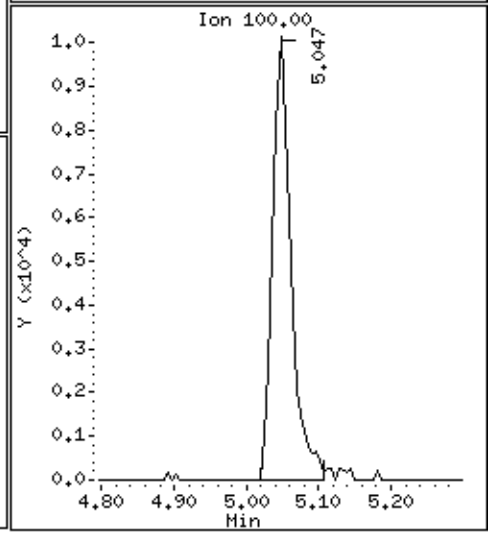


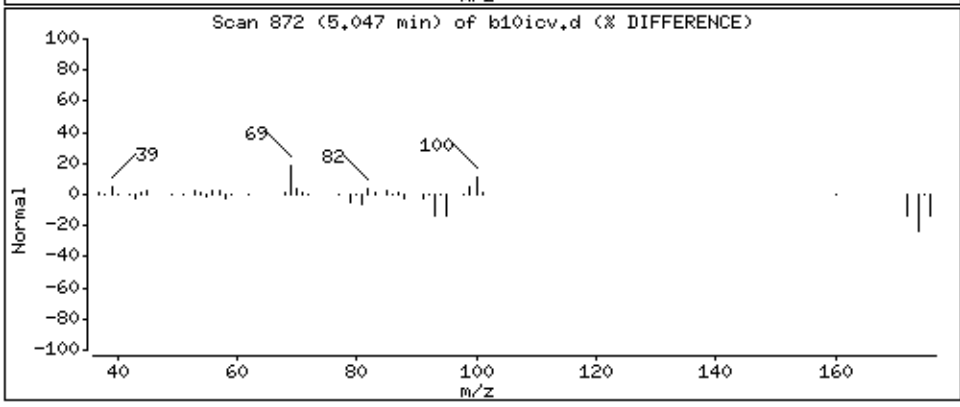












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

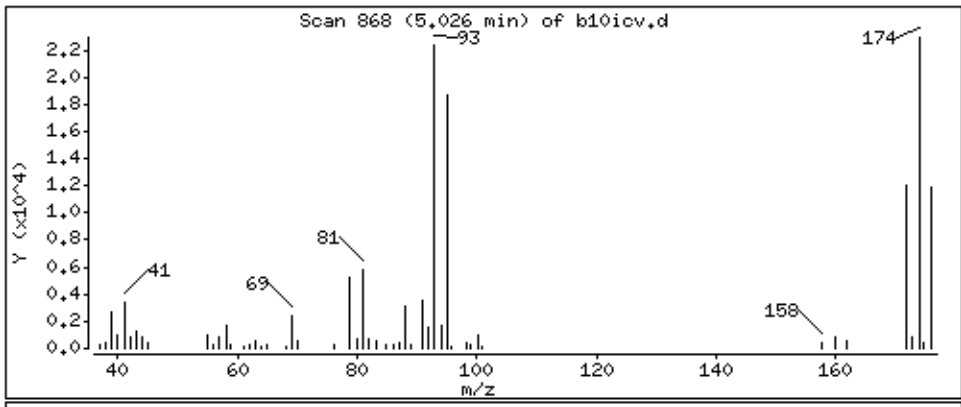
Column phase: DB-624

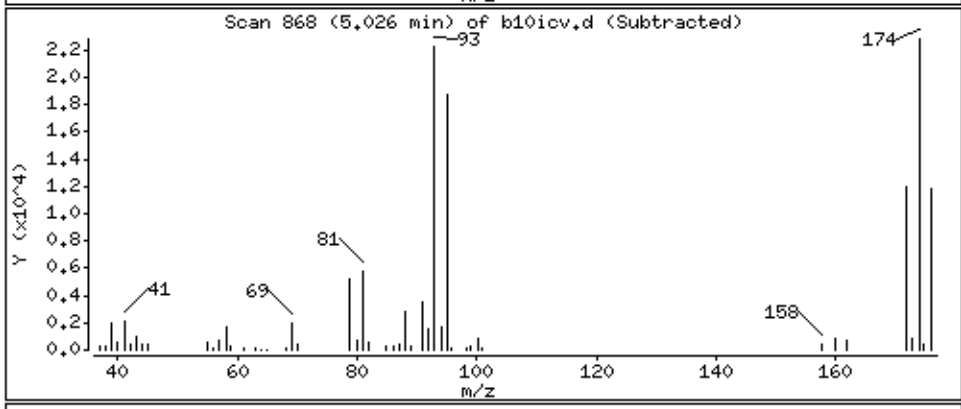
Column diameter: 0.18

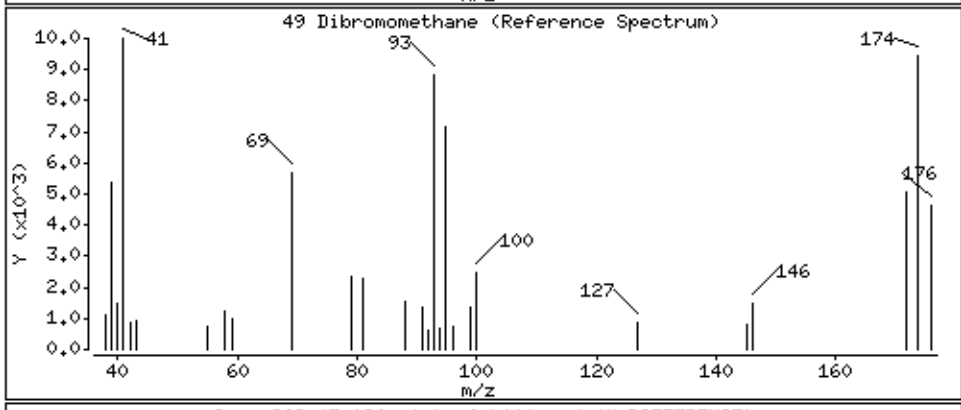
49 Dibromomethane

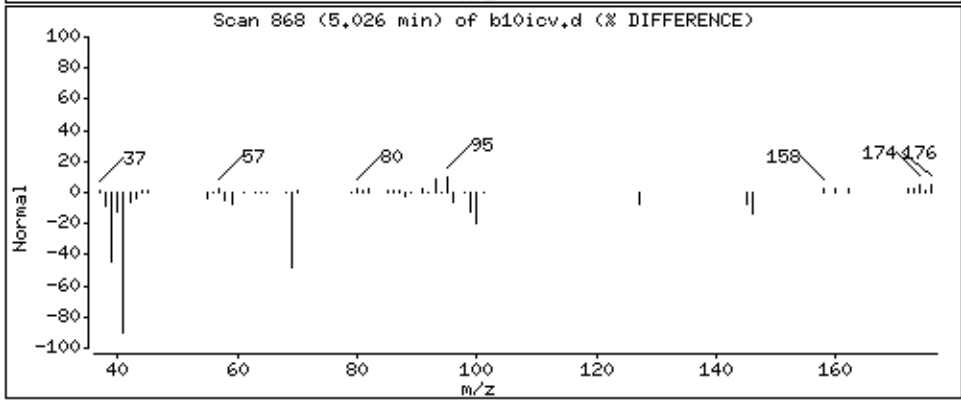
Concentration: 52.2 ppb

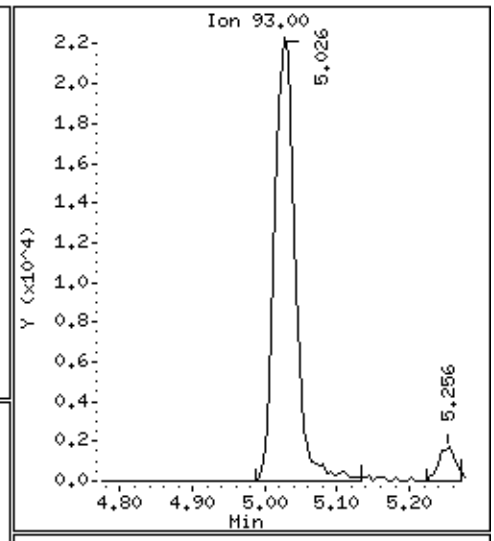
Review Code:

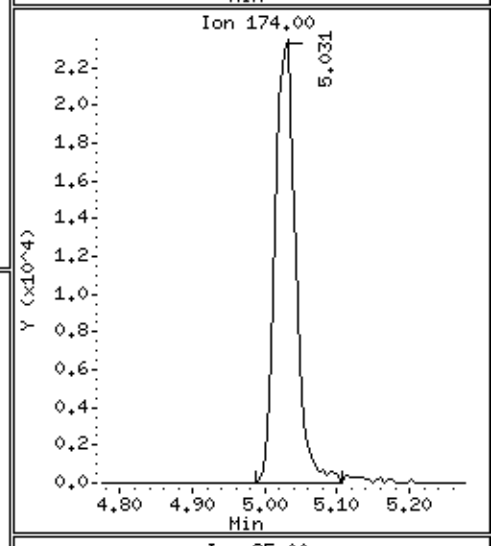


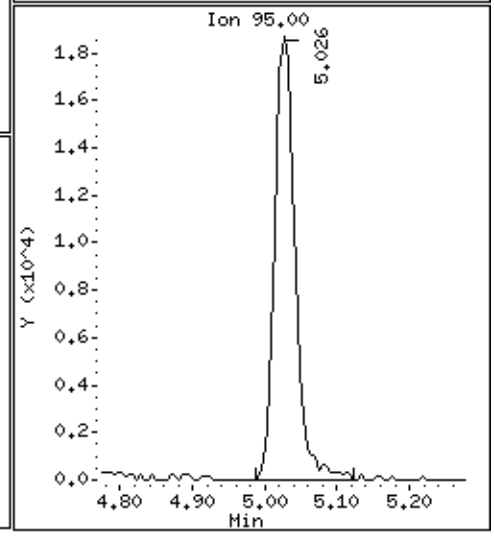












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

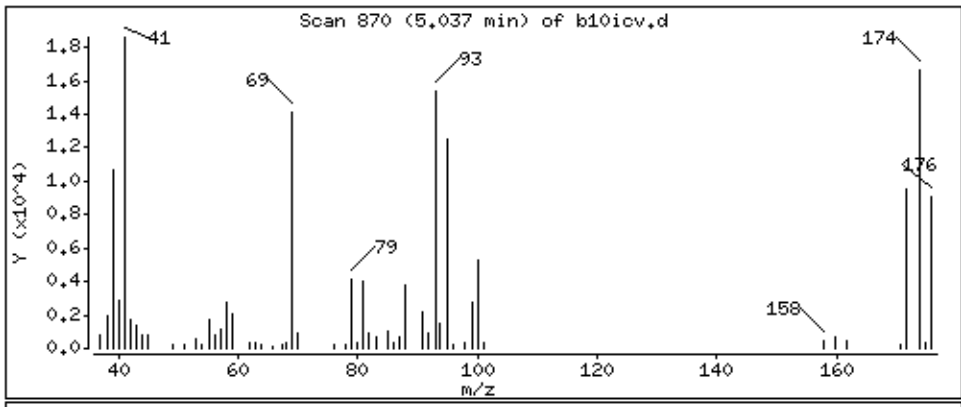
Column phase: DB-624

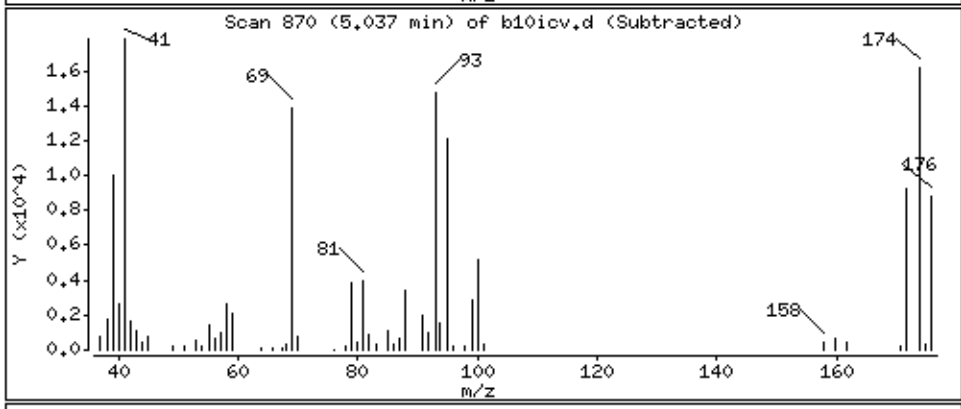
Column diameter: 0.18

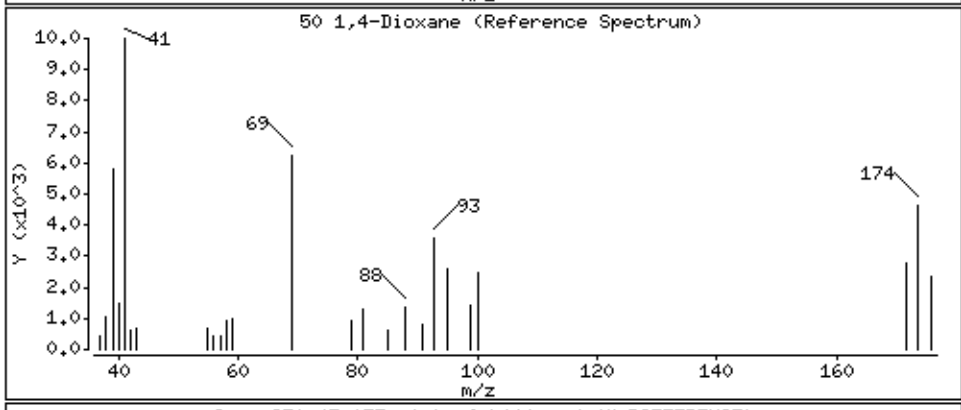
50 1,4-Dioxane

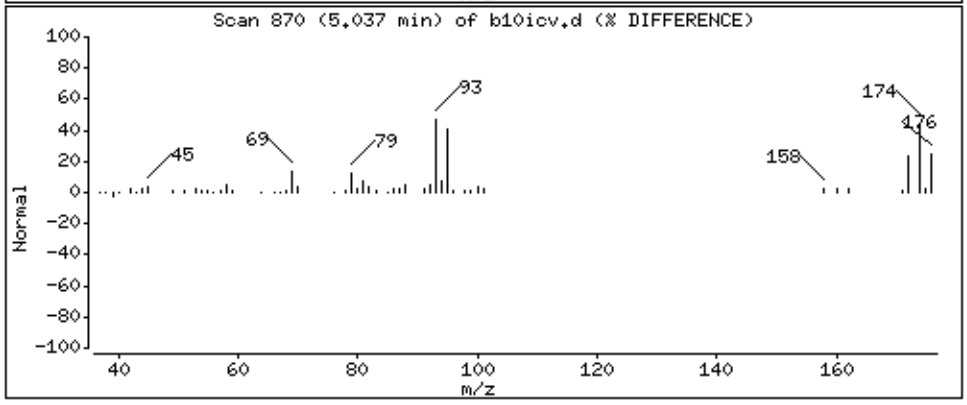
Concentration: 902 ppb

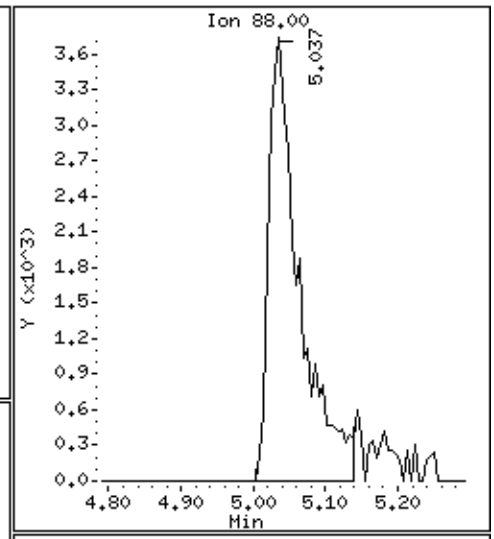
Review Code:

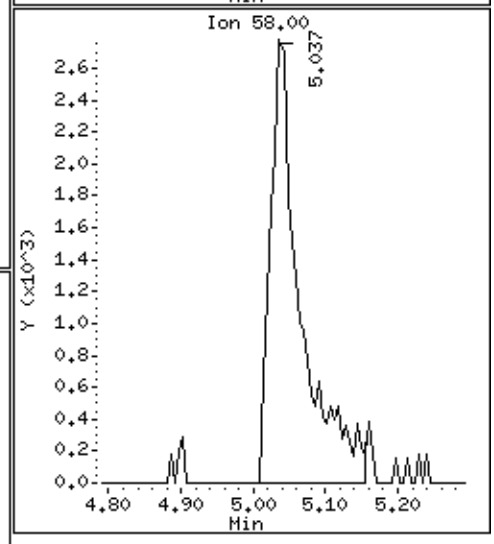












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

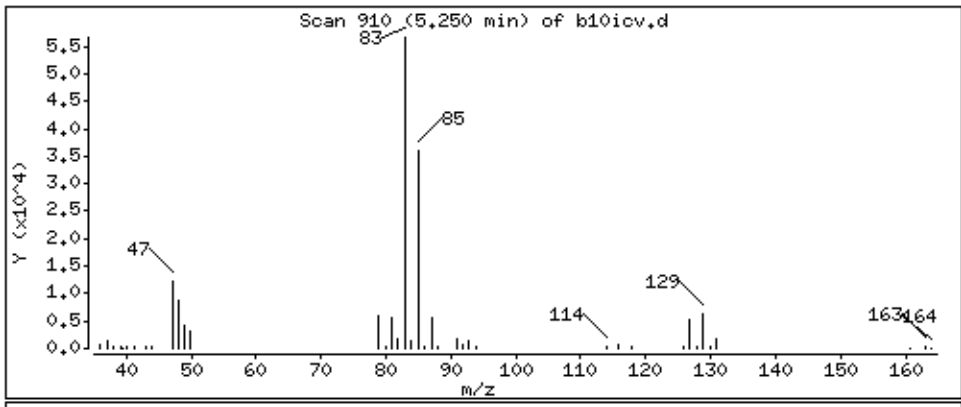
Column phase: DB-624

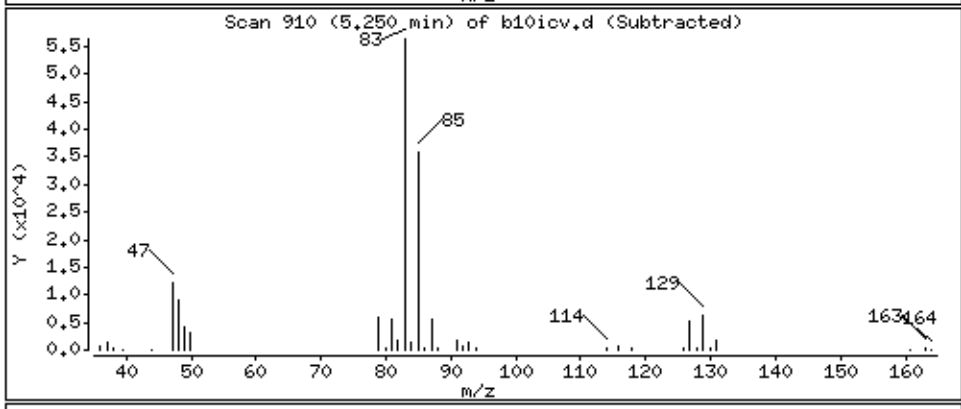
Column diameter: 0.18

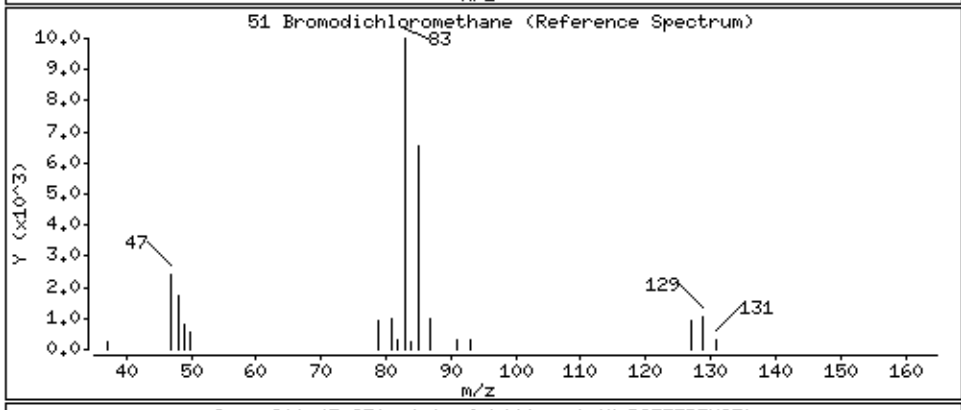
51 Bromodichloromethane

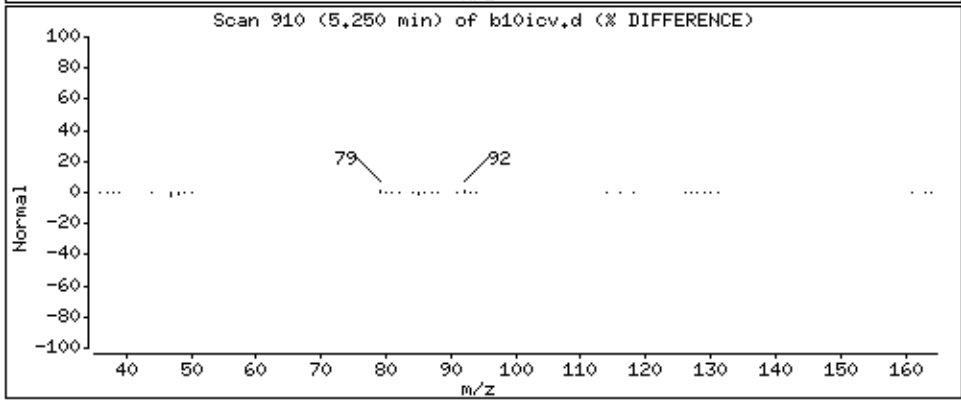
Concentration: 50.2 ppb

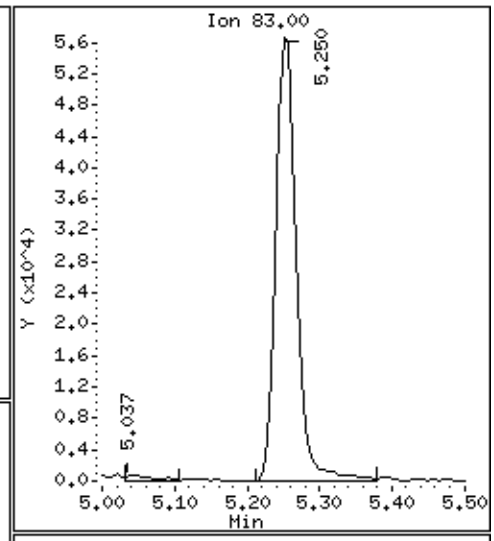
Review Code:

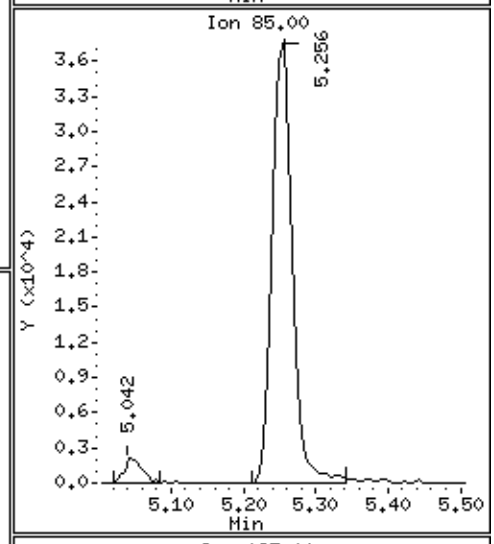


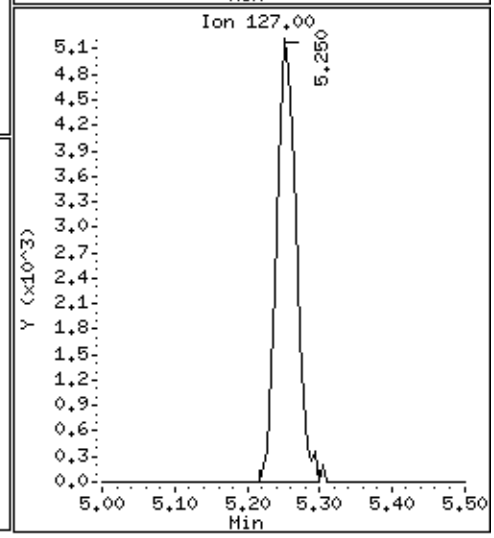












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

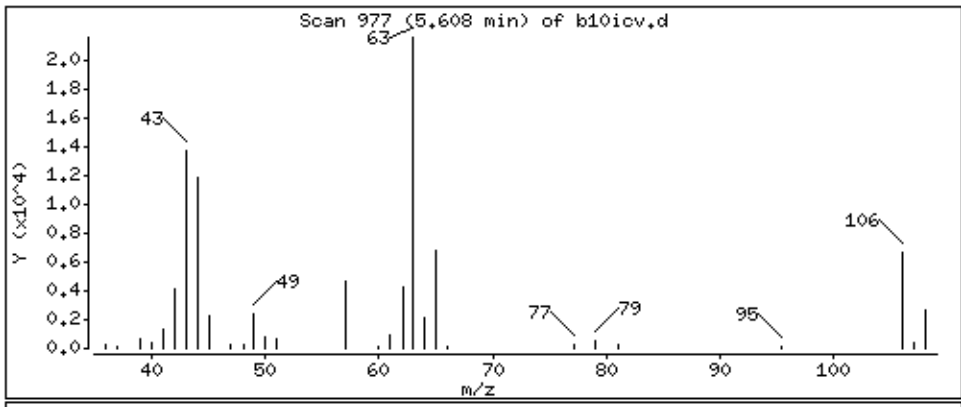
Column phase: DB-624

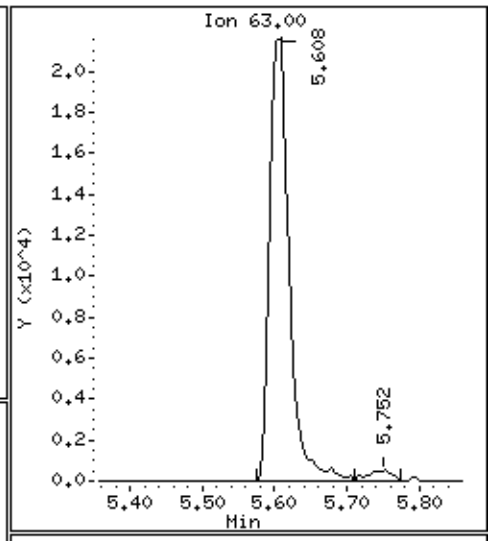
Column diameter: 0.18

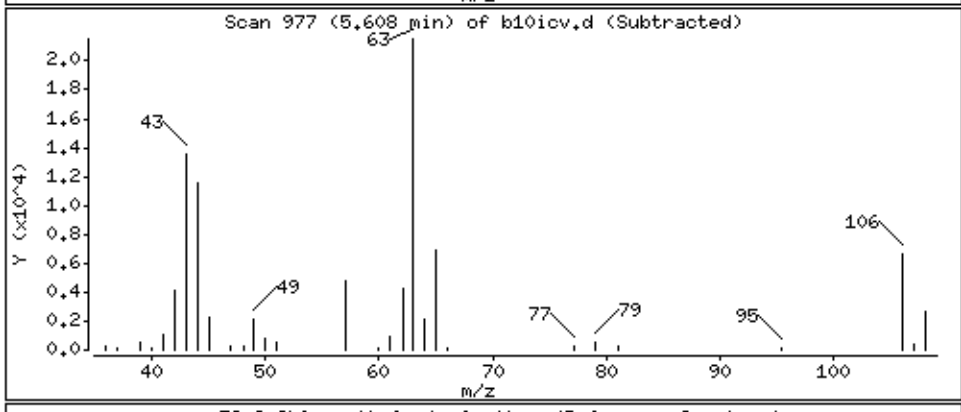
52 2-Chloroethyl vinyl ether

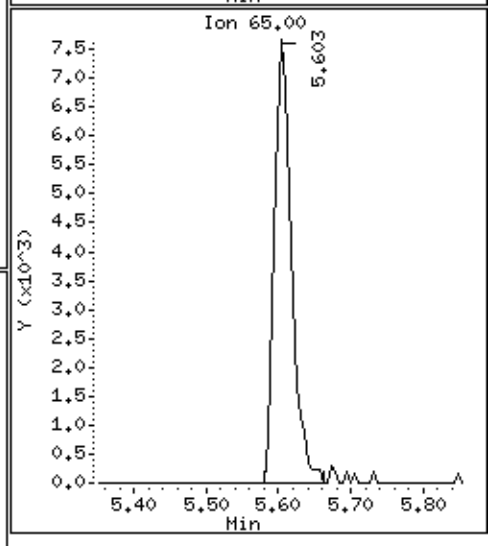
Concentration: 54.4 ppb

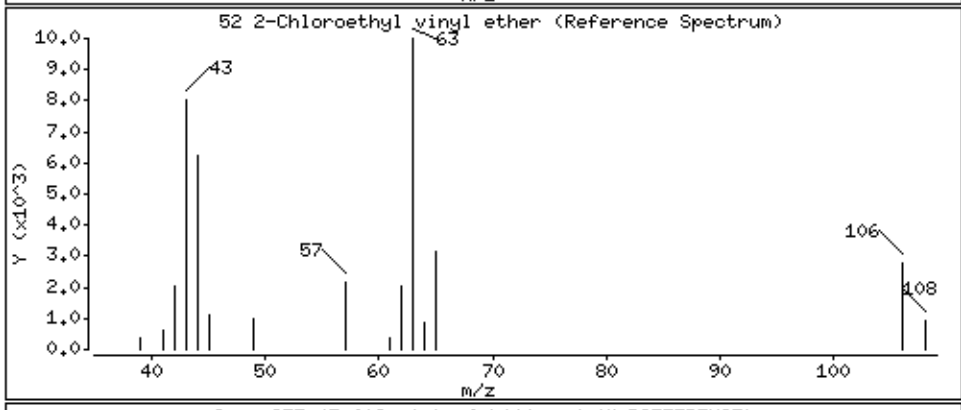
Review Code:

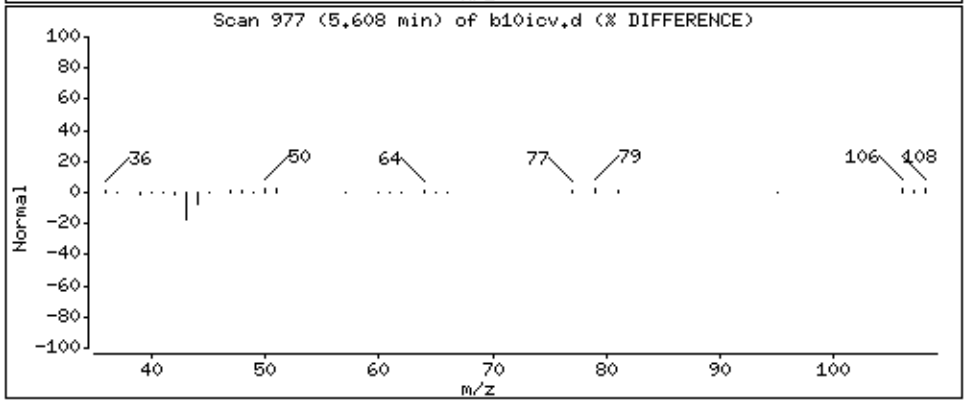












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

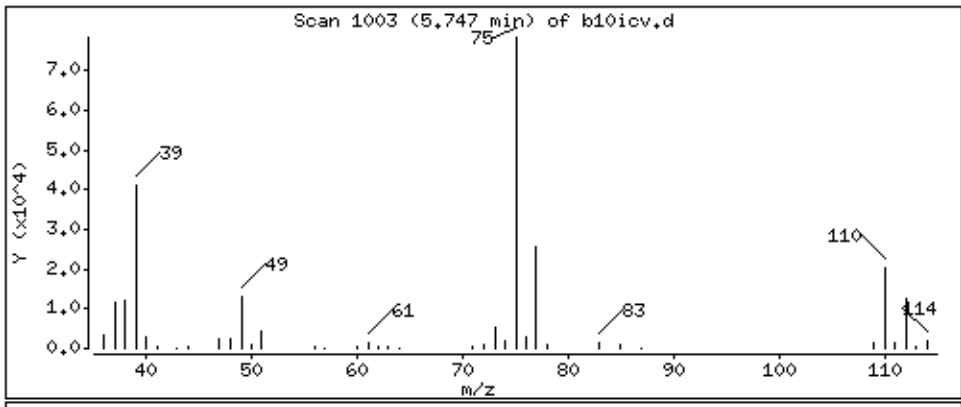
Column phase: DB-624

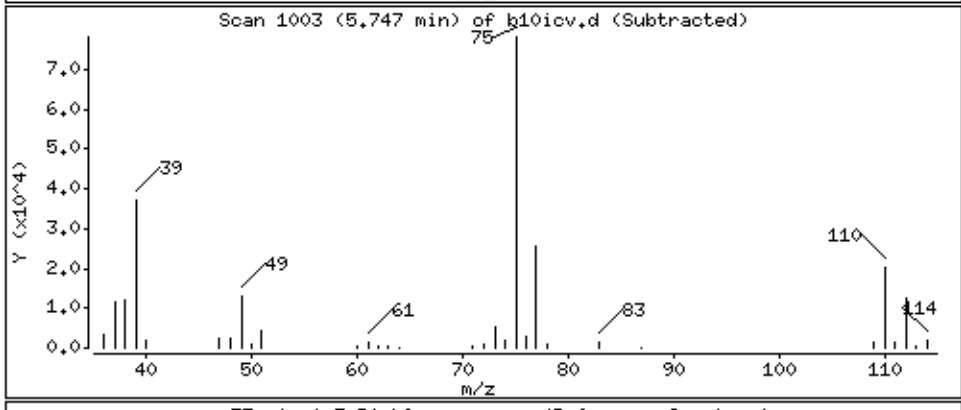
Column diameter: 0.18

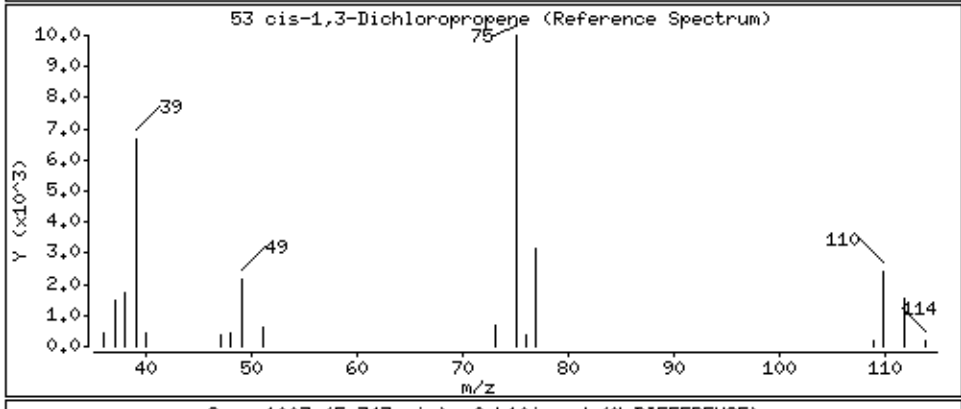
53 cis-1,3-Dichloropropene

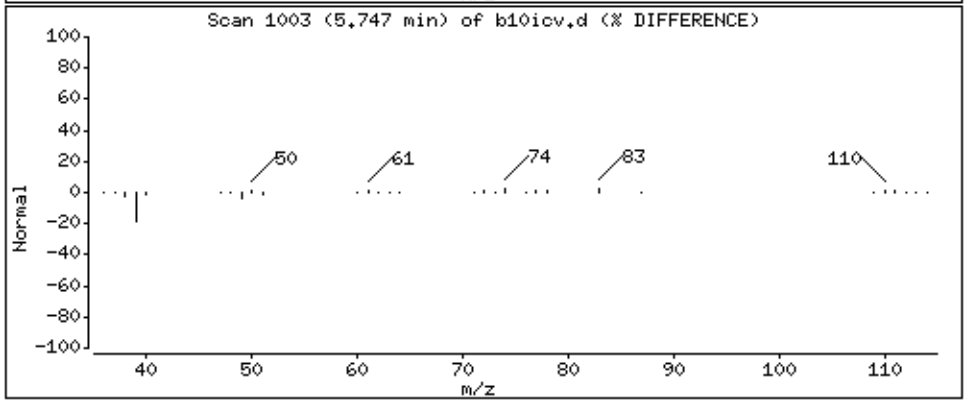
Concentration: 53.9 ppb

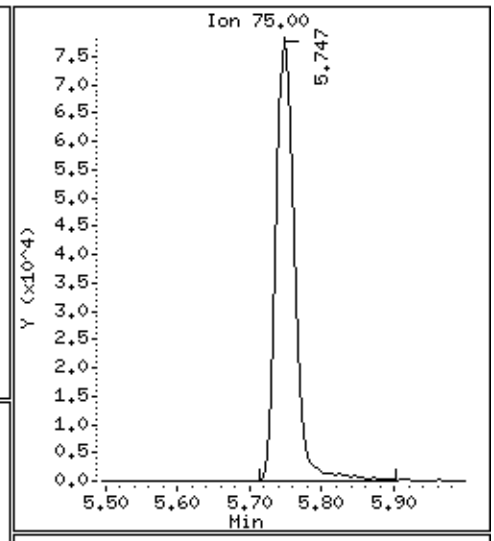
Review Code:

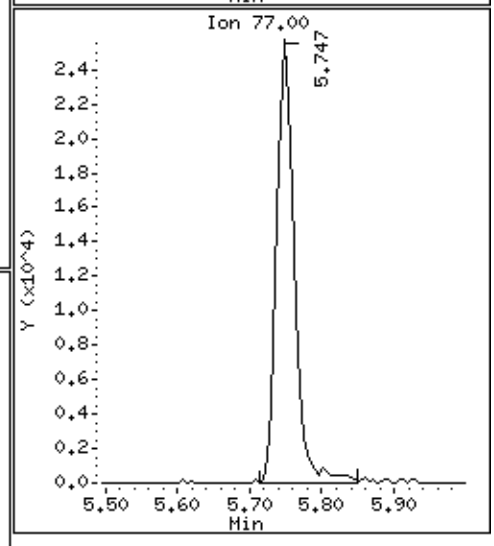












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

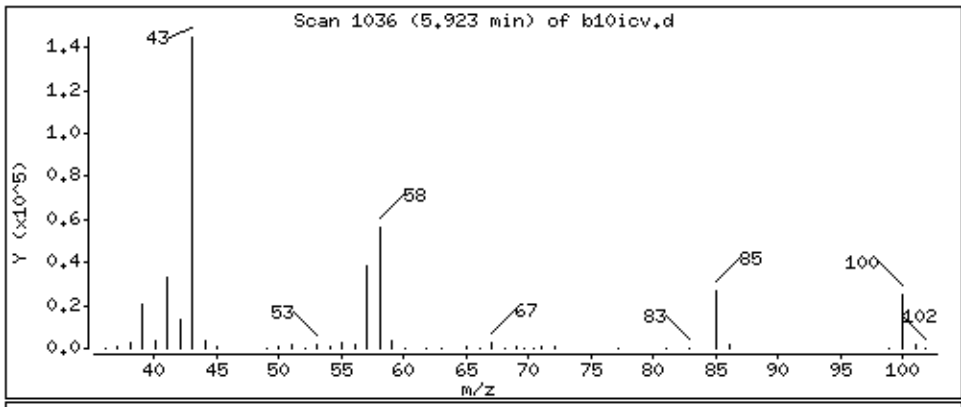
Column phase: DB-624

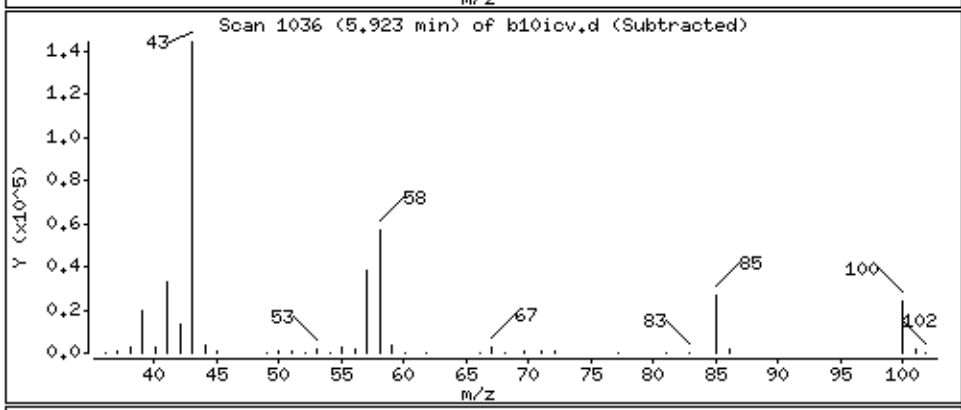
Column diameter: 0.18

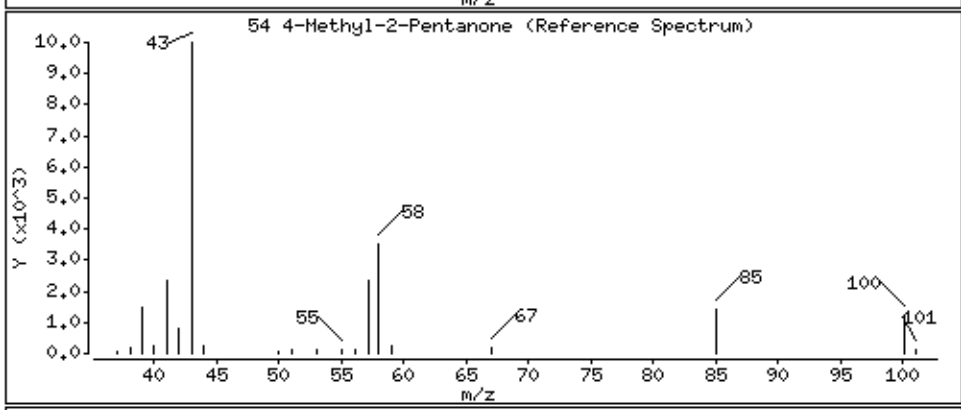
54 4-Methyl-2-Pentanone

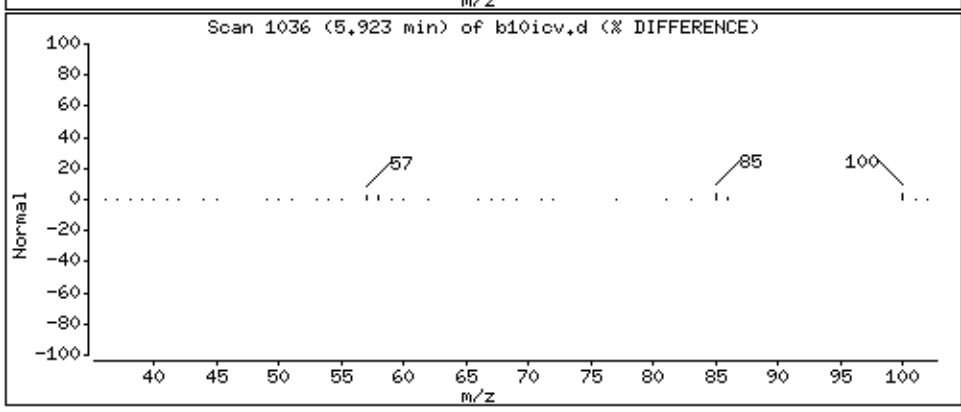
Concentration: 240 ppb

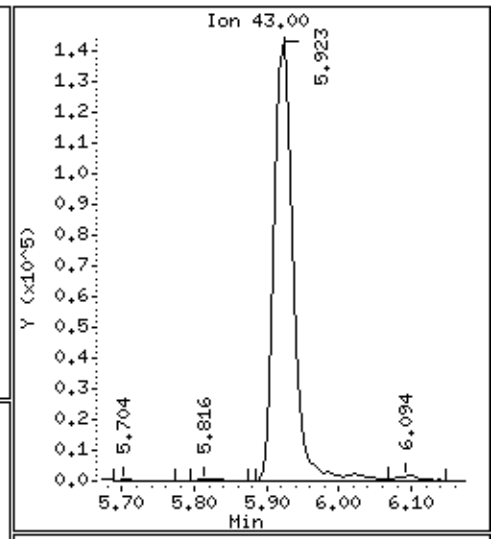
Review Code:

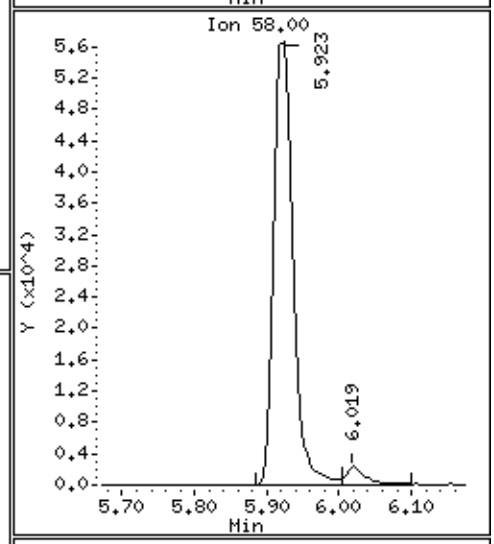


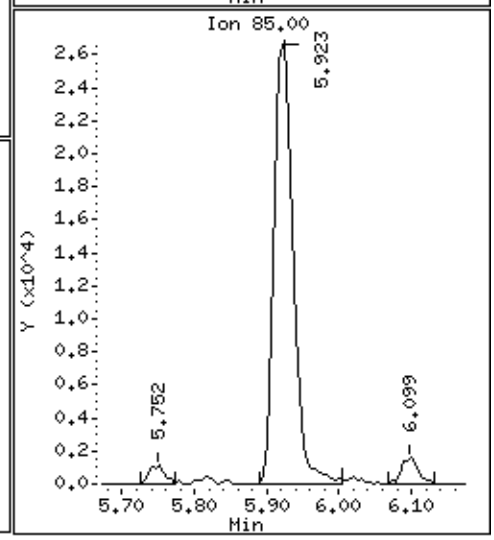












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

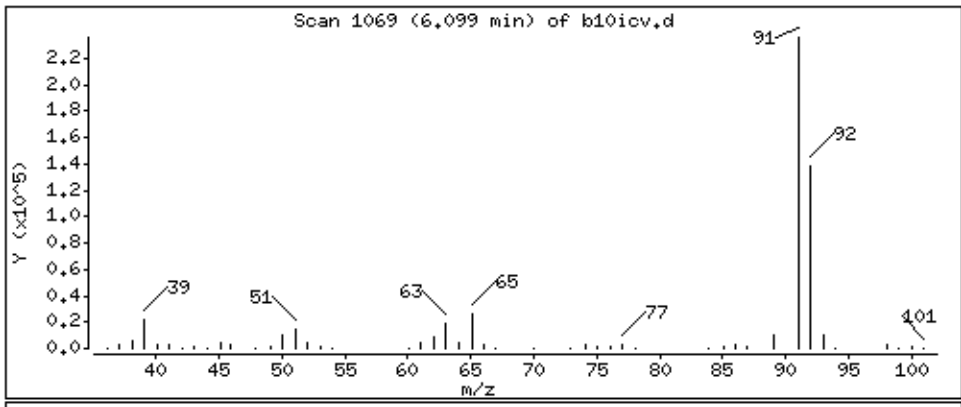
Column phase: DB-624

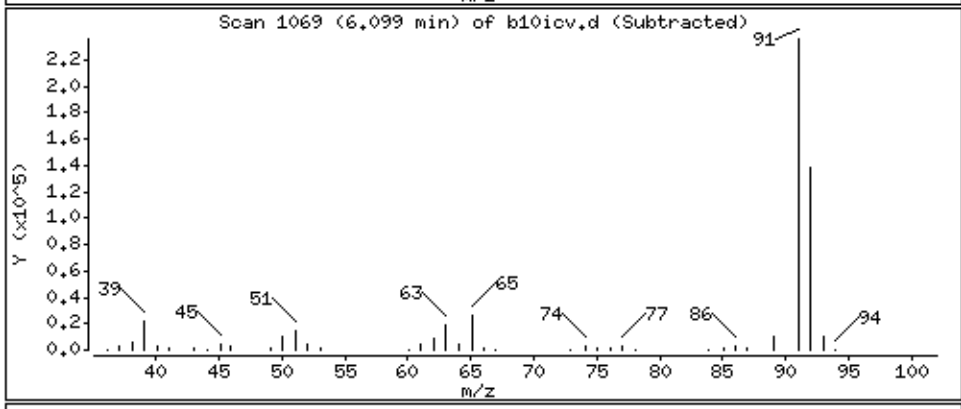
Column diameter: 0.18

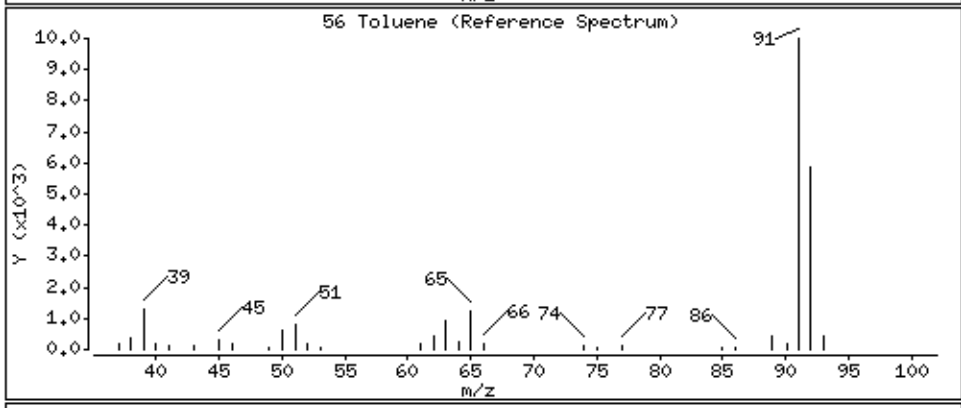
56 Toluene

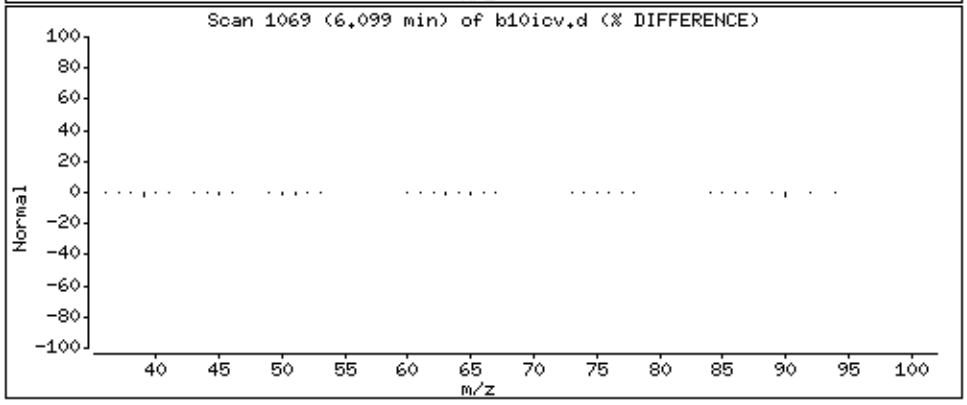
Concentration: 50.4 ppb

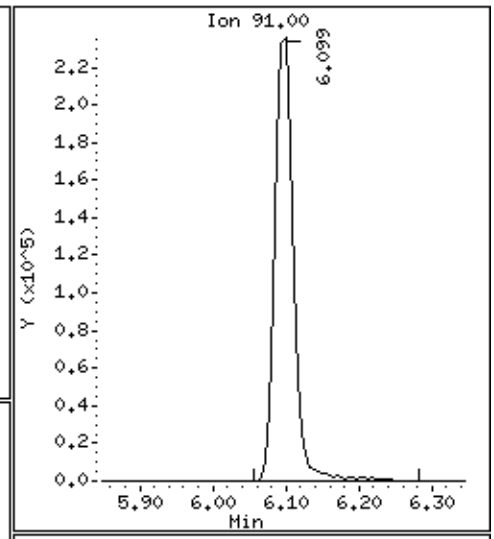
Review Code:

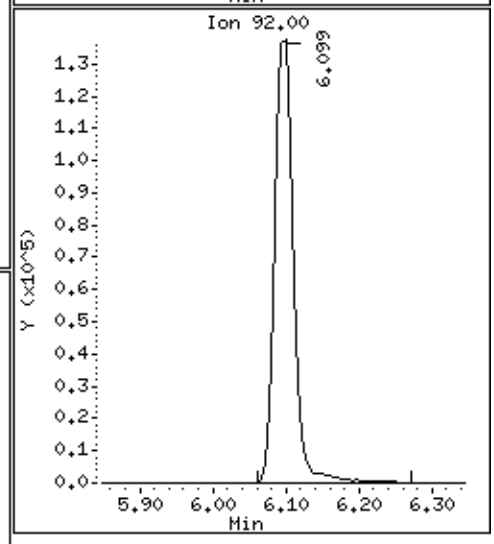












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

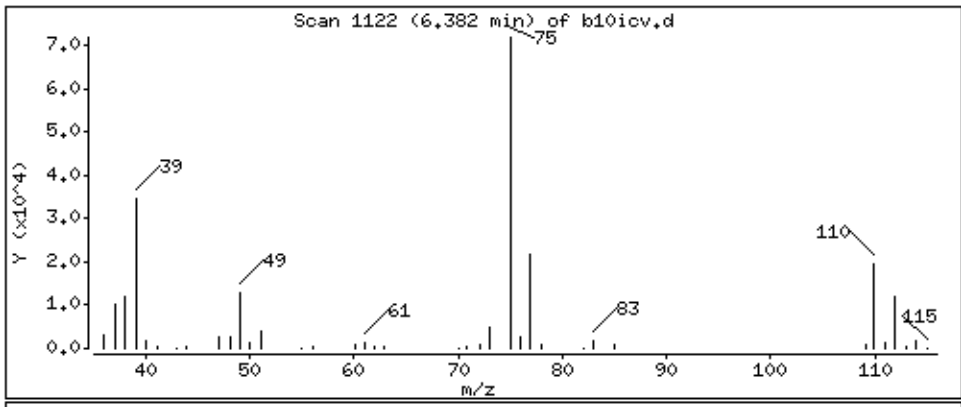
Column phase: DB-624

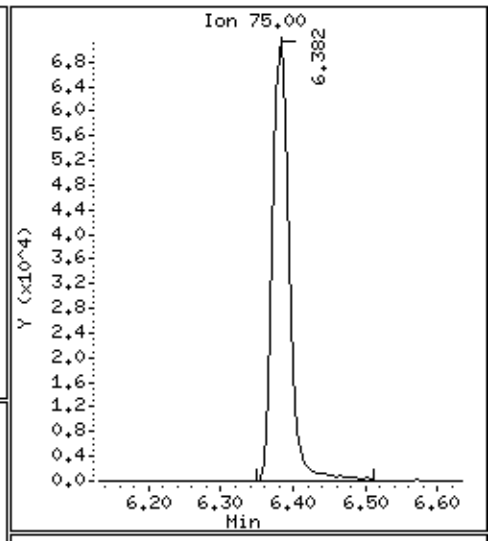
Column diameter: 0.18

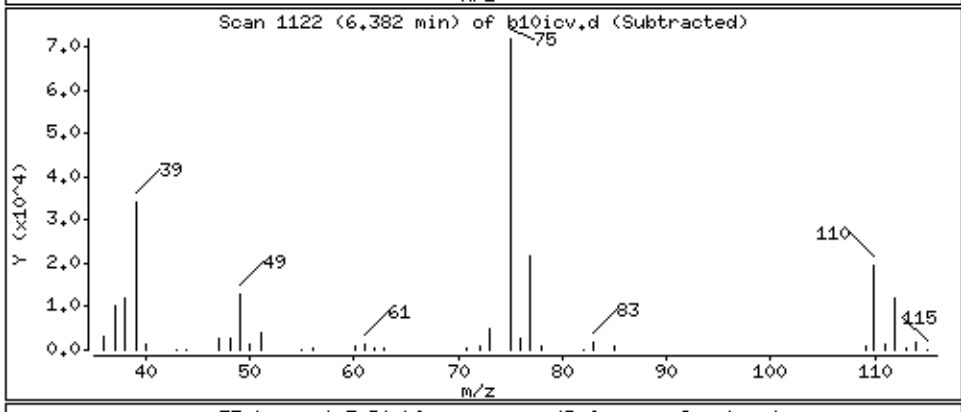
57 trans-1,3-Dichloropropene

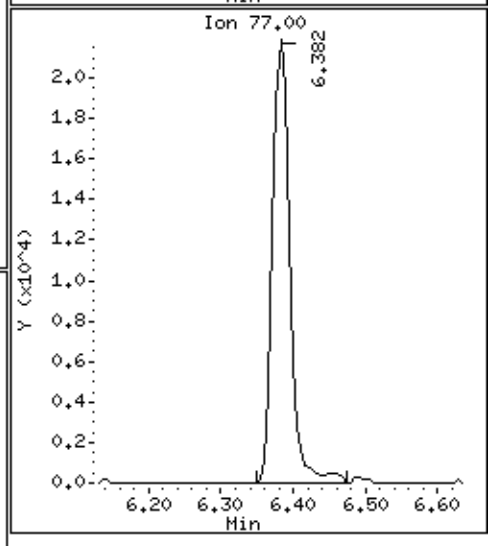
Concentration: 52.4 ppb

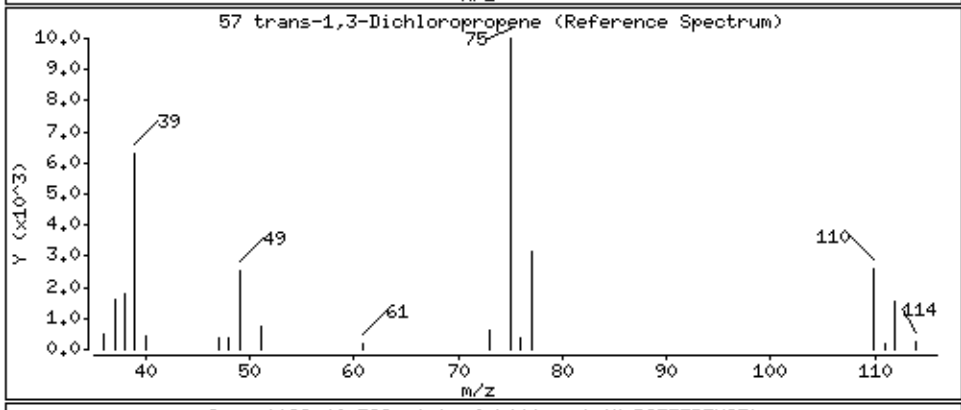
Review Code:

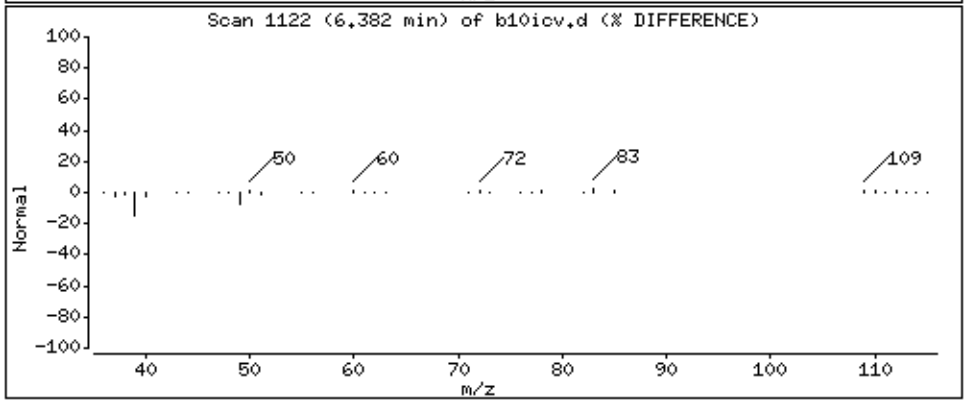












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

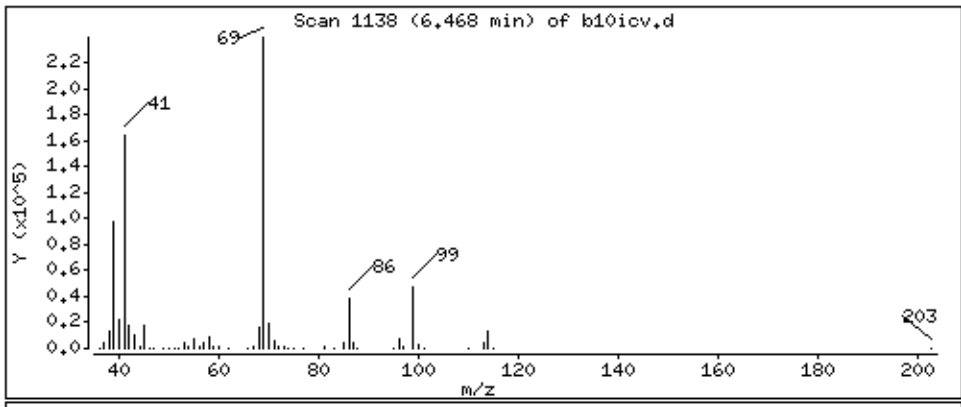
Column phase: DB-624

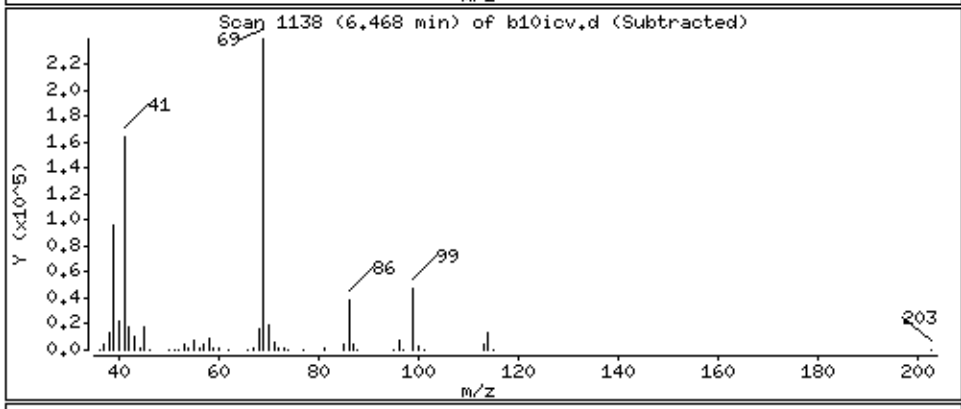
Column diameter: 0.18

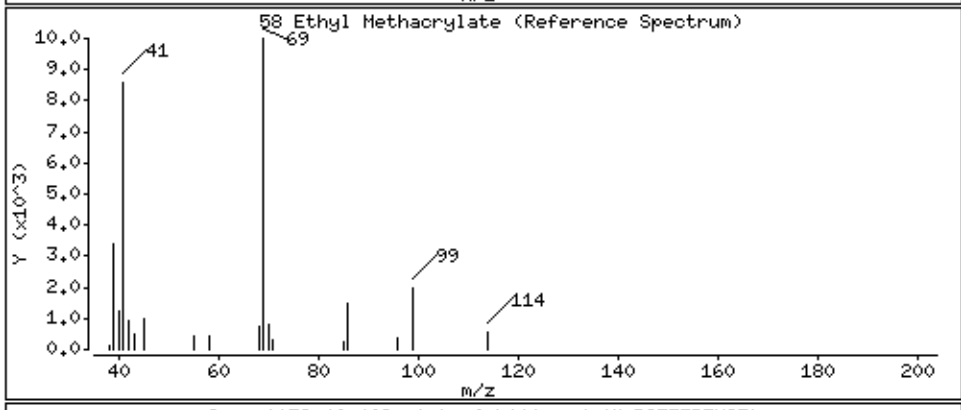
58 Ethyl Methacrylate

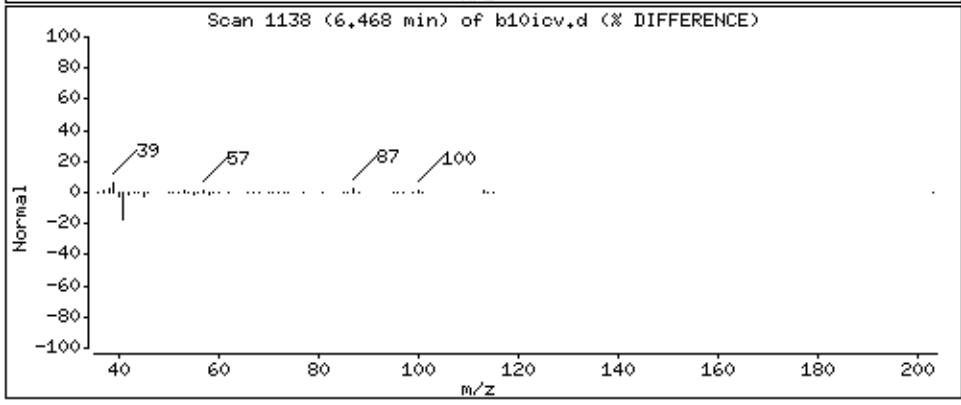
Concentration: 200 ppb

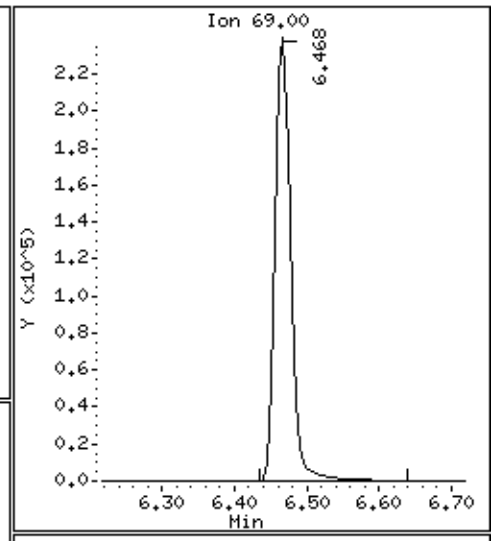
Review Code:

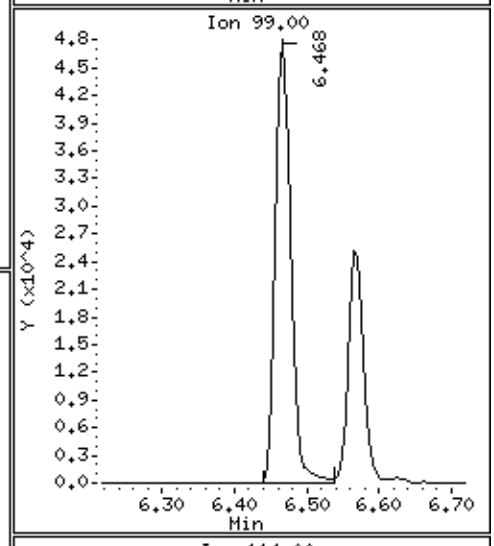


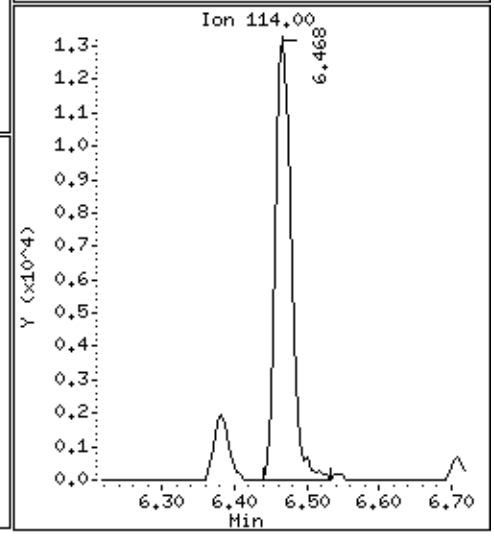












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

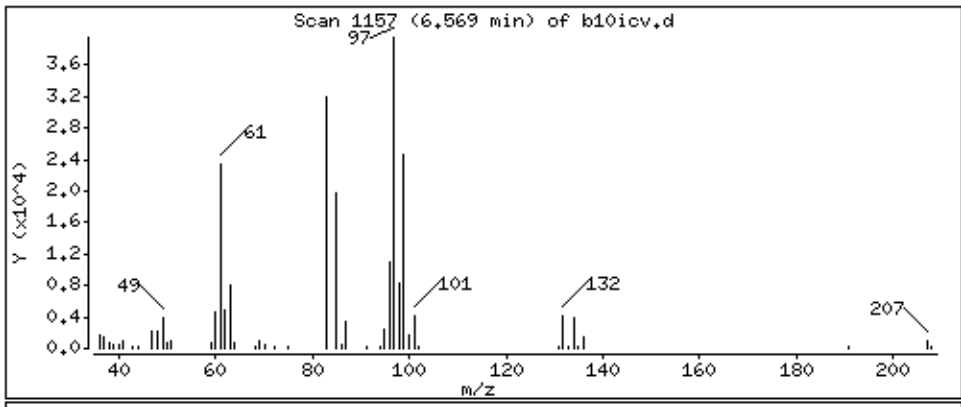
Column phase: DB-624

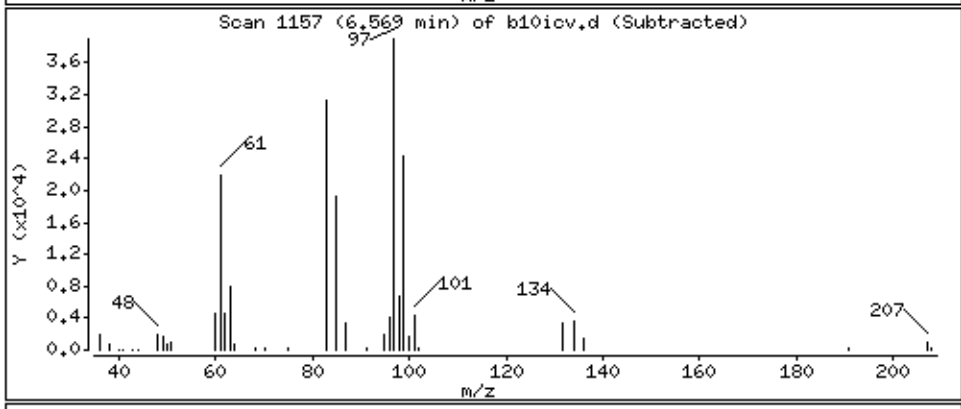
Column diameter: 0.18

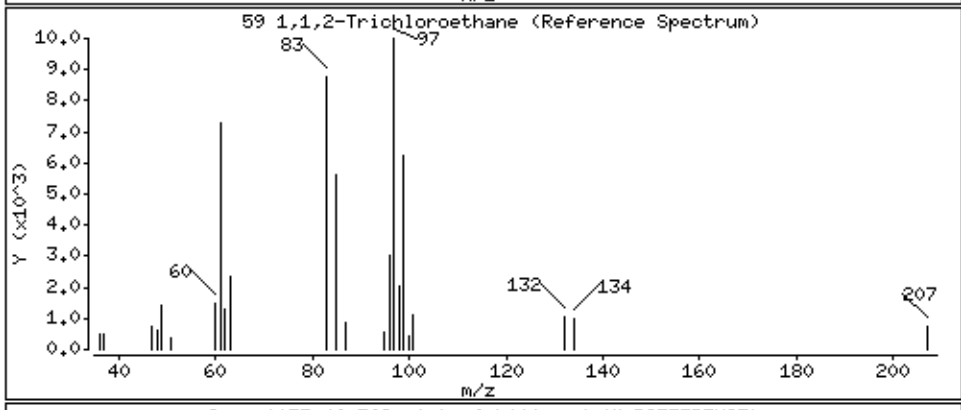
59 1,1,2-Trichloroethane

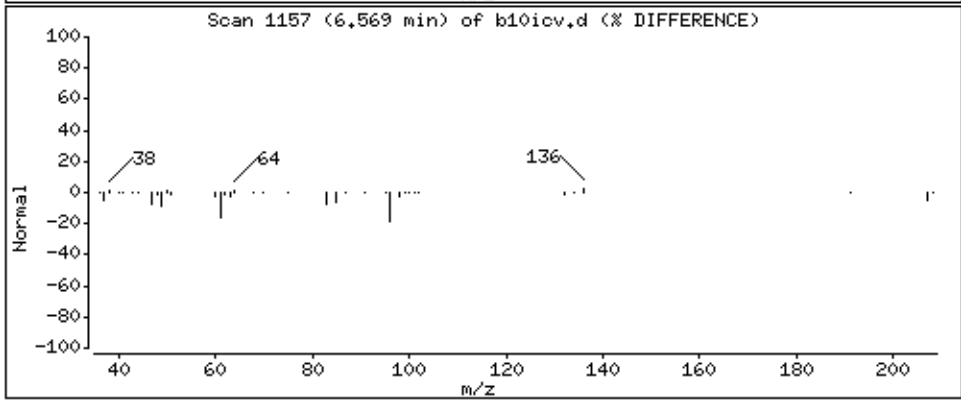
Concentration: 48.9 ppb

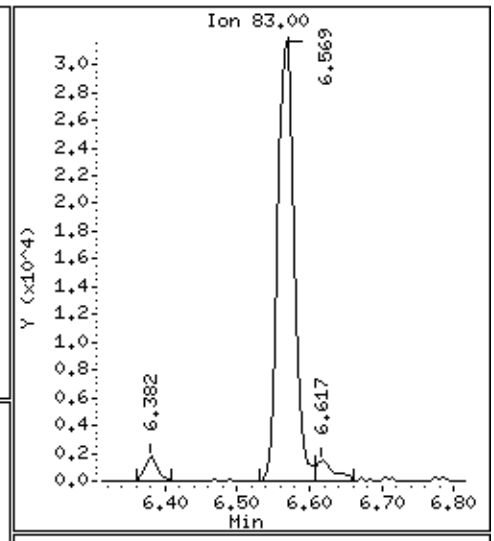
Review Code:

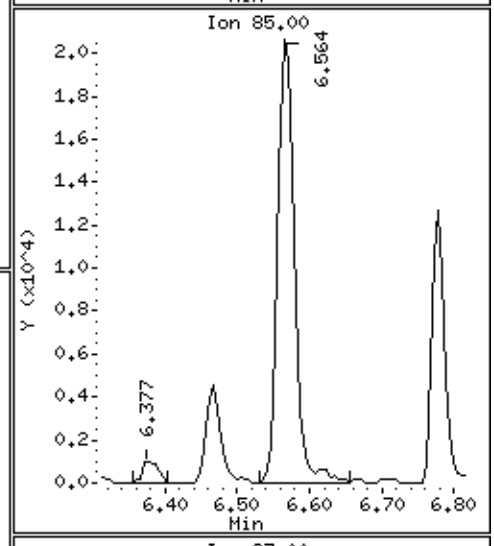


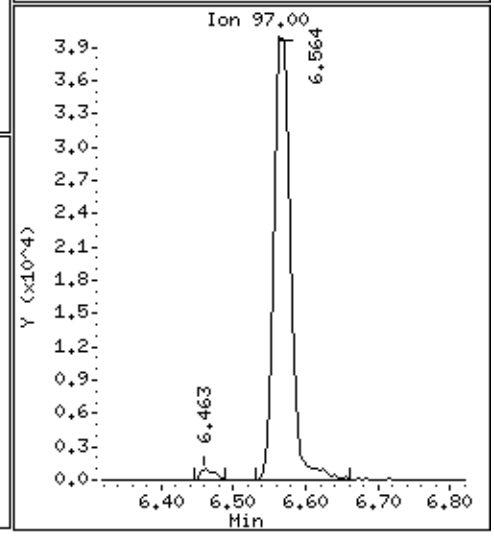












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Page 62

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

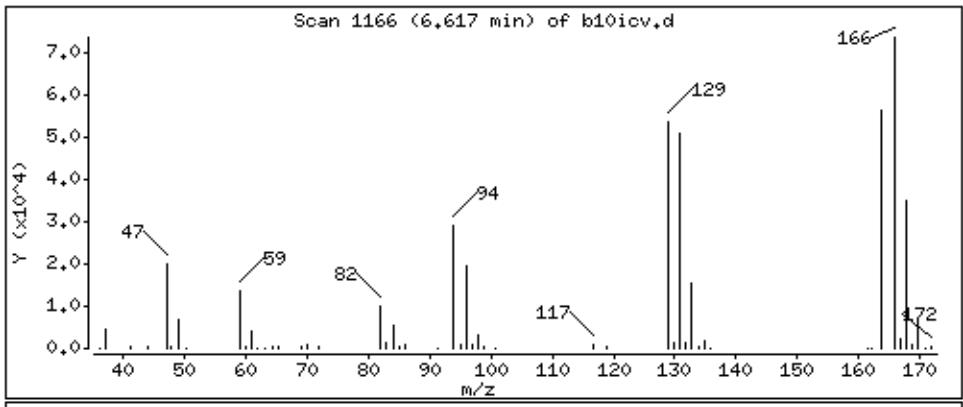
Column phase: DB-624

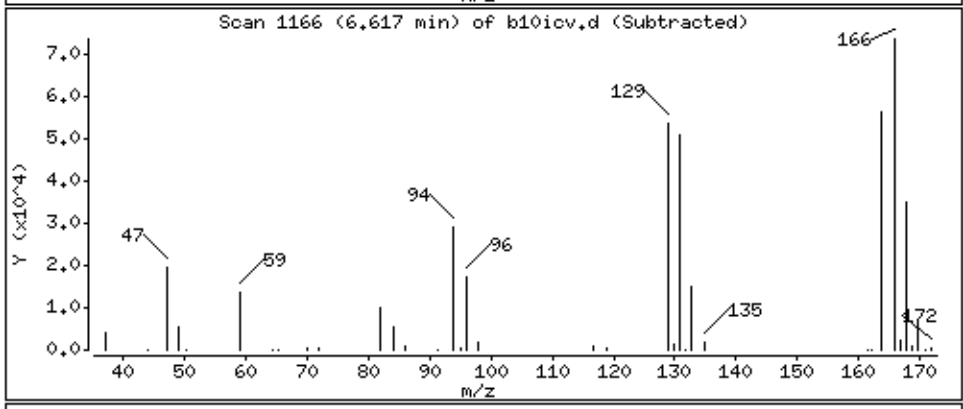
Column diameter: 0.18

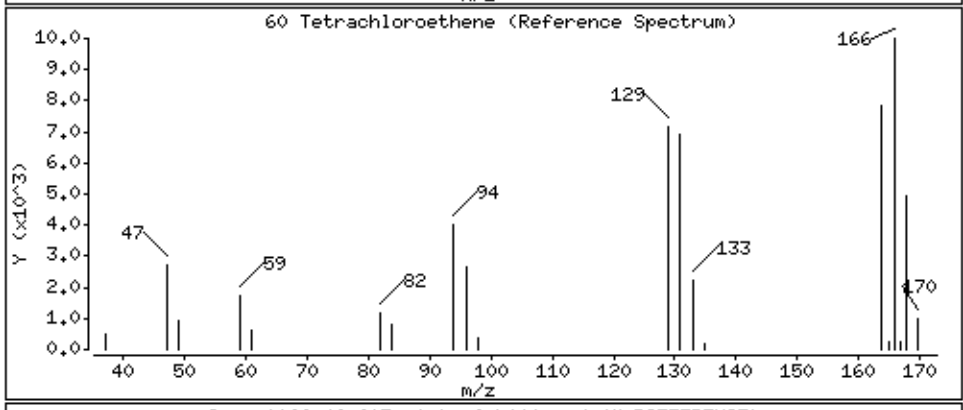
60 Tetrachloroethene

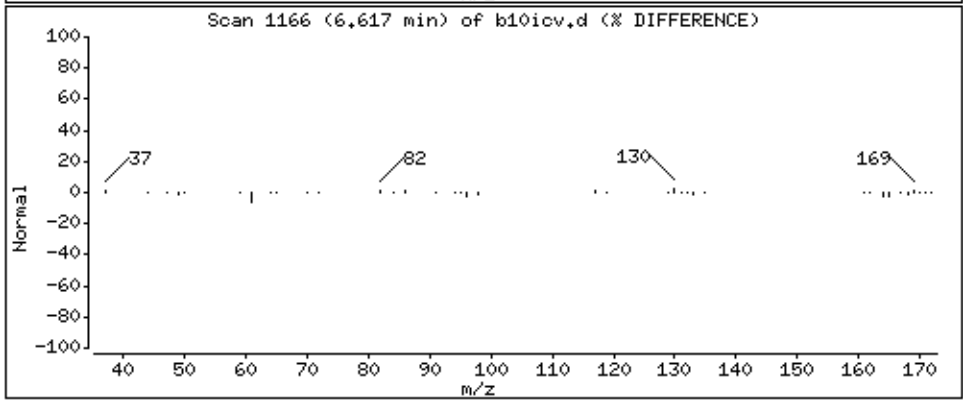
Concentration: 53.0 ppb

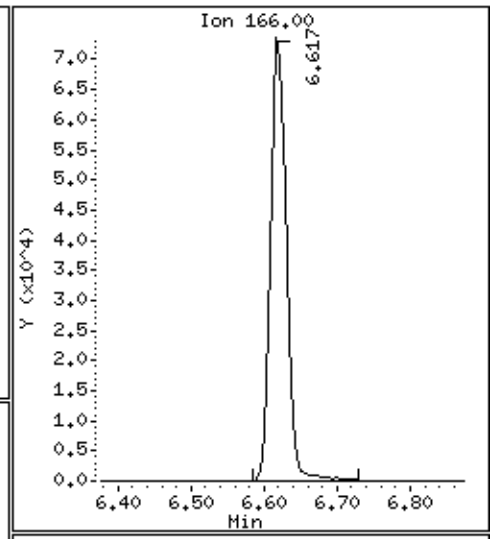
Review Code:

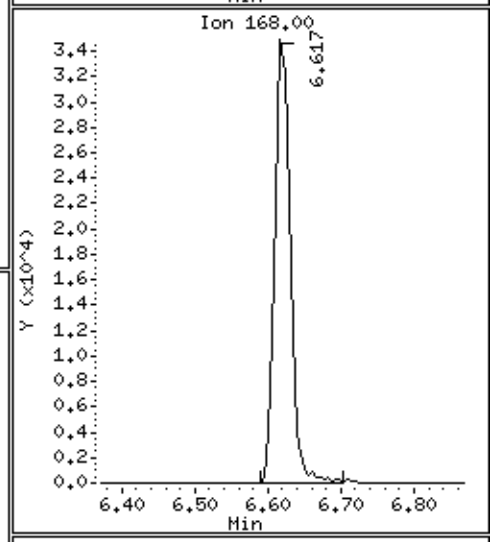


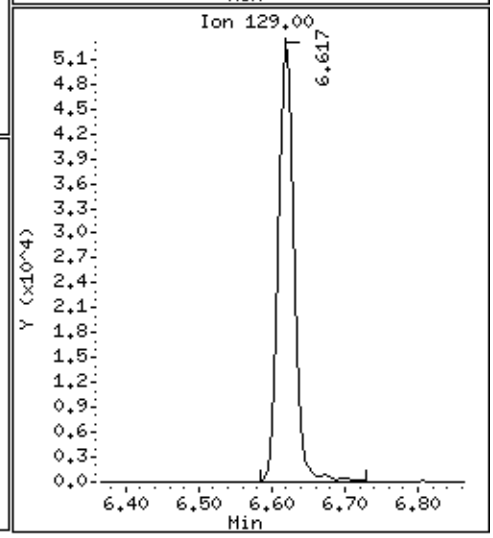












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

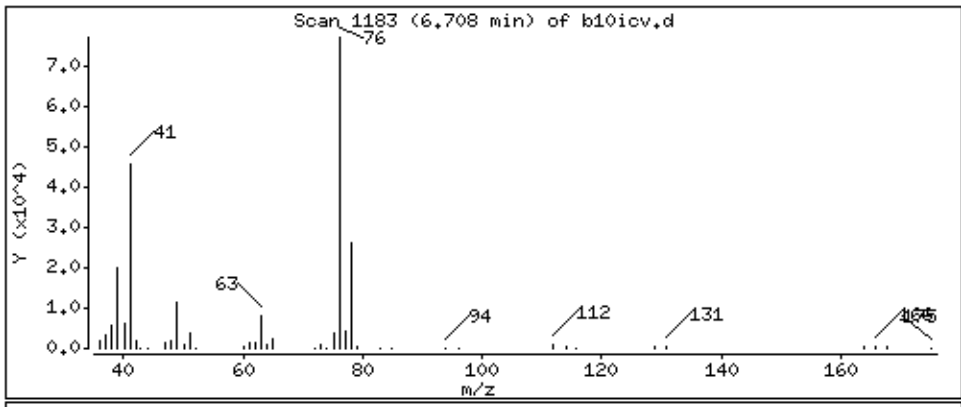
Column phase: DB-624

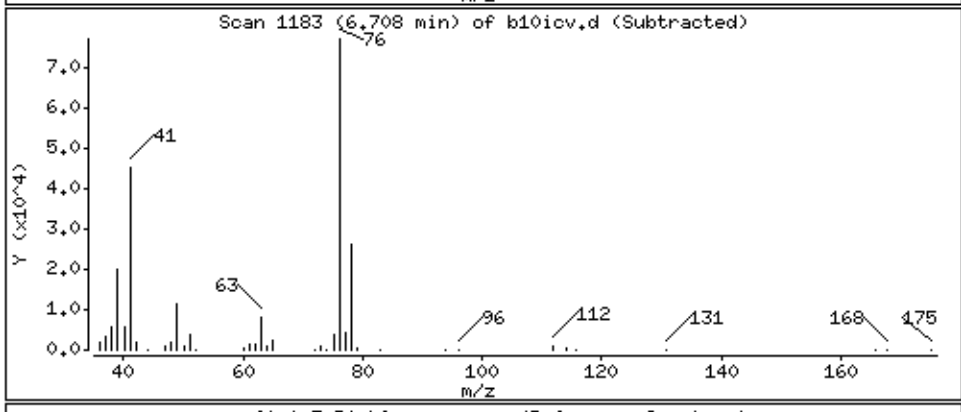
Column diameter: 0.18

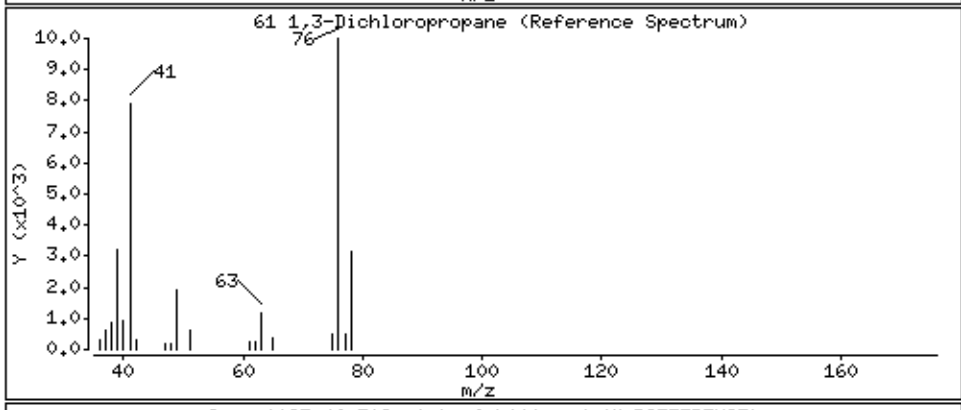
61 1,3-Dichloropropane

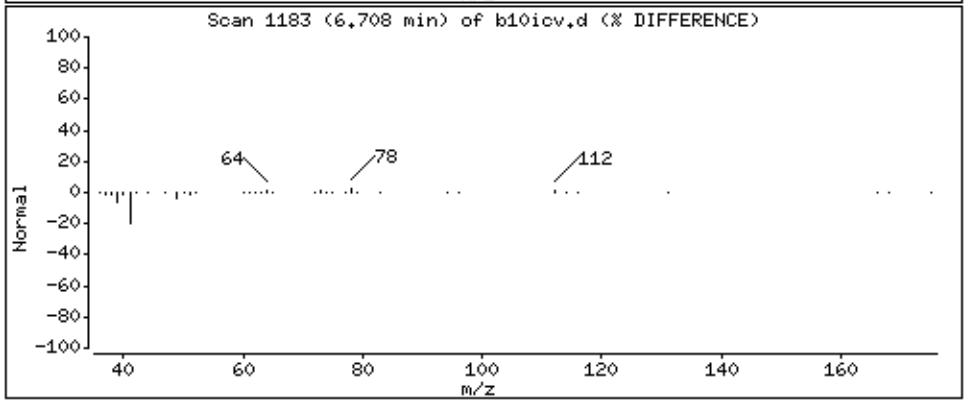
Concentration: 53.5 ppb

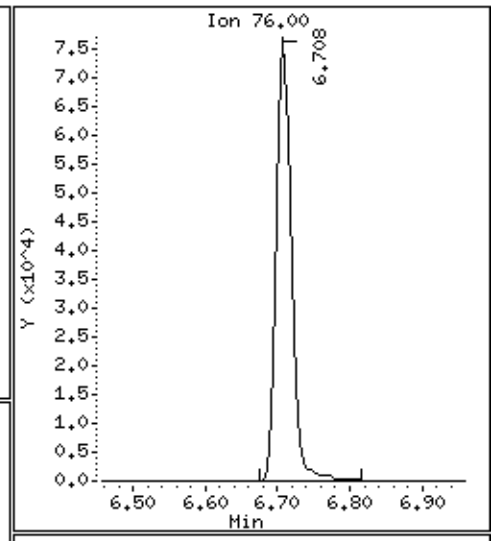
Review Code:

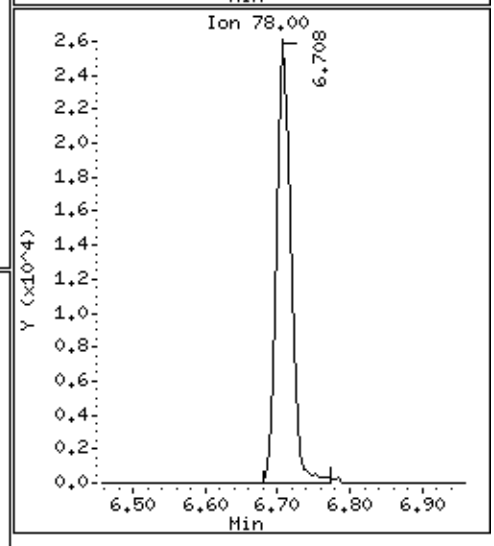












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

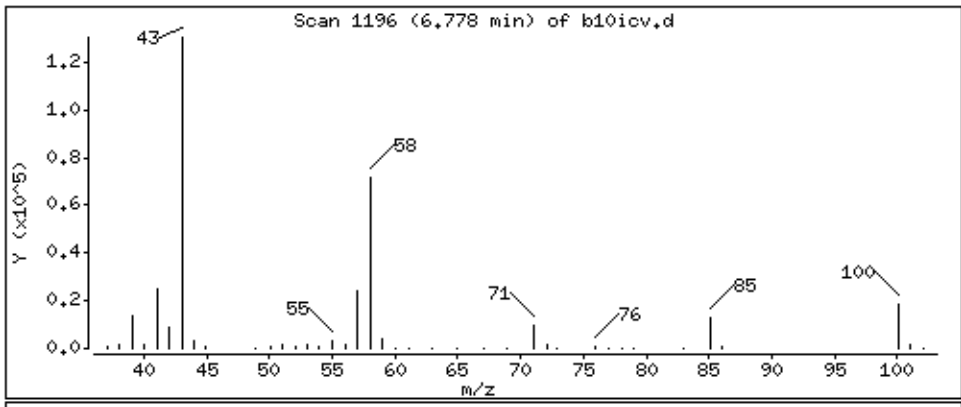
Column phase: DB-624

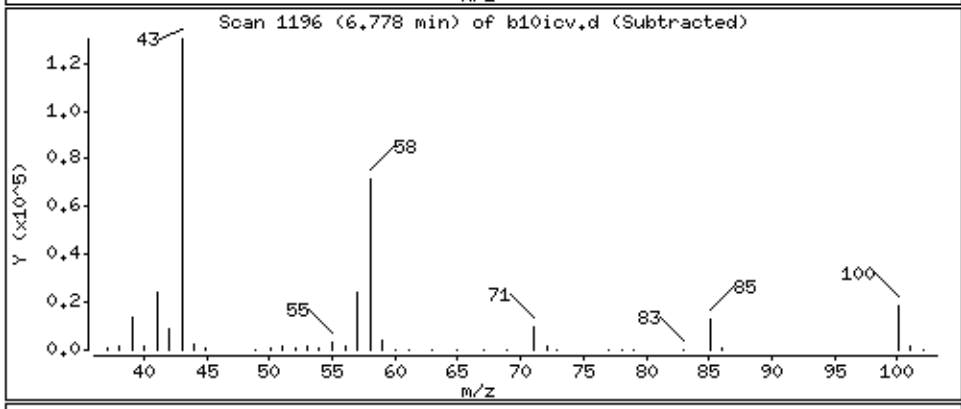
Column diameter: 0.18

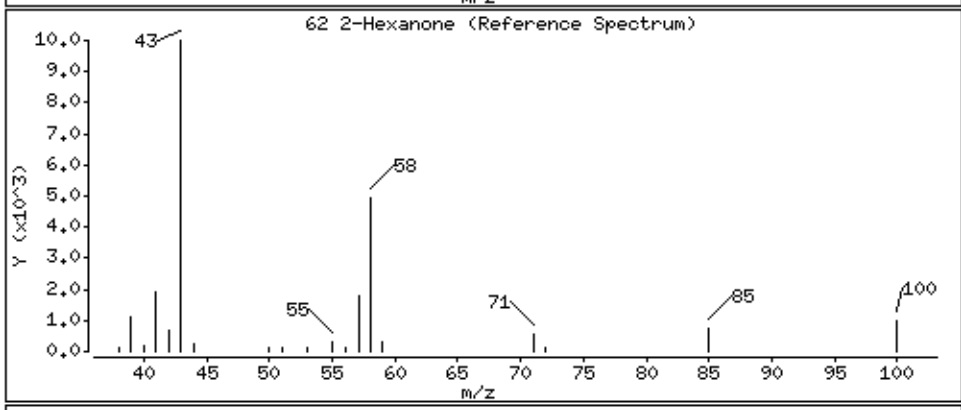
62 2-Hexanone

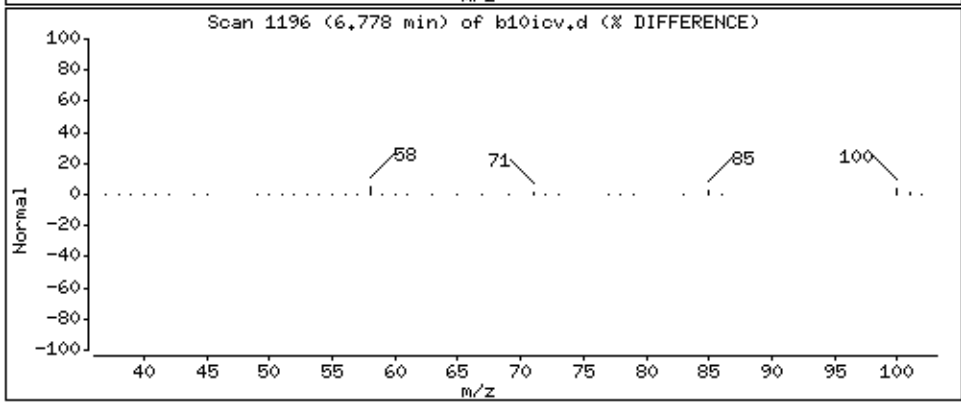
Concentration: 234 ppb

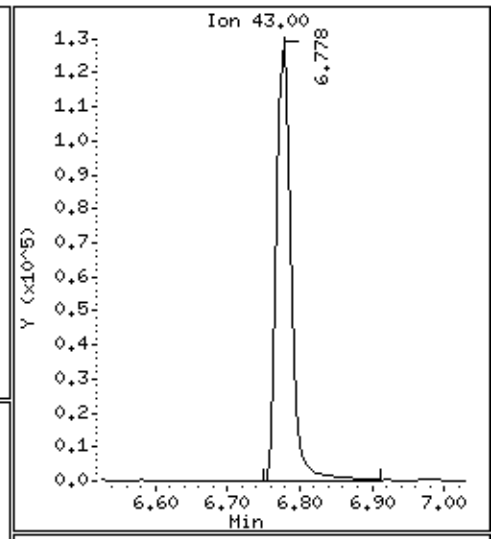
Review Code:

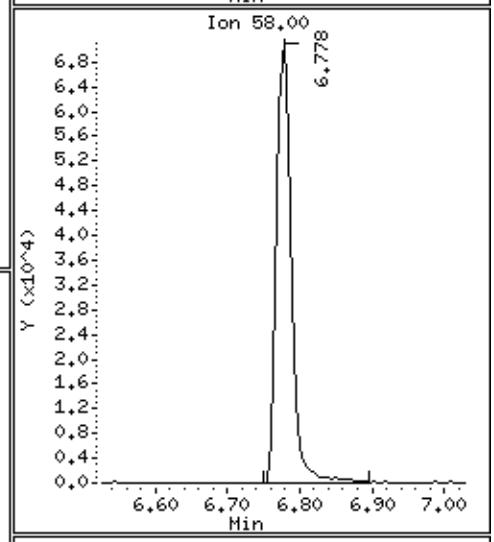


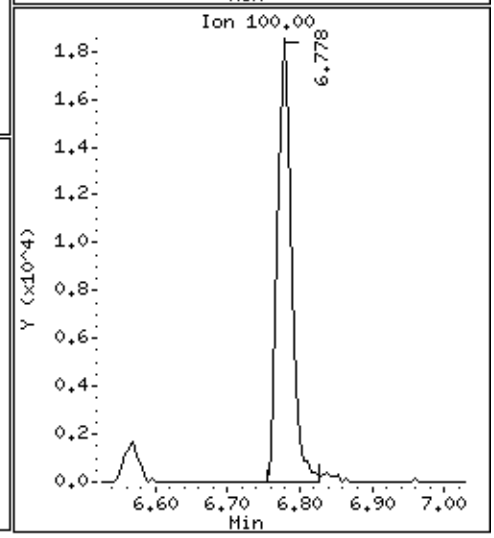












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

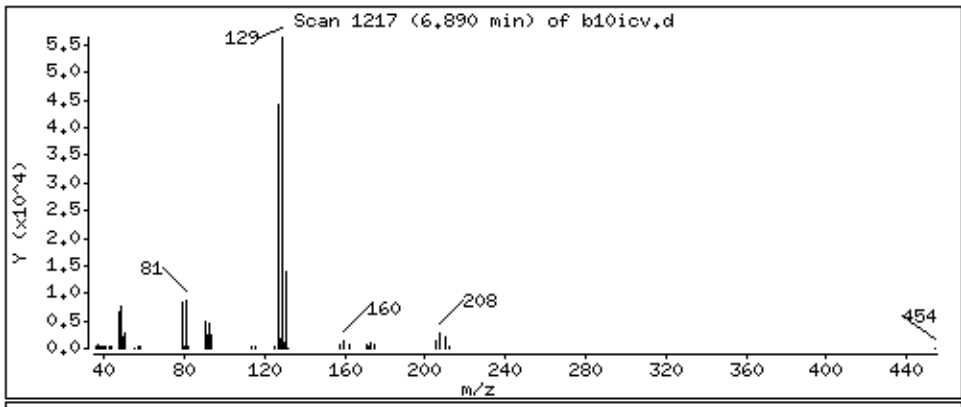
Column phase: DB-624

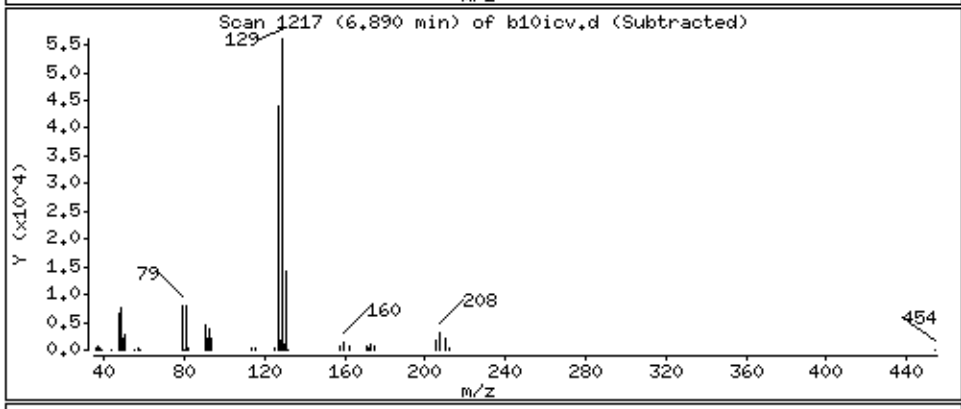
Column diameter: 0.18

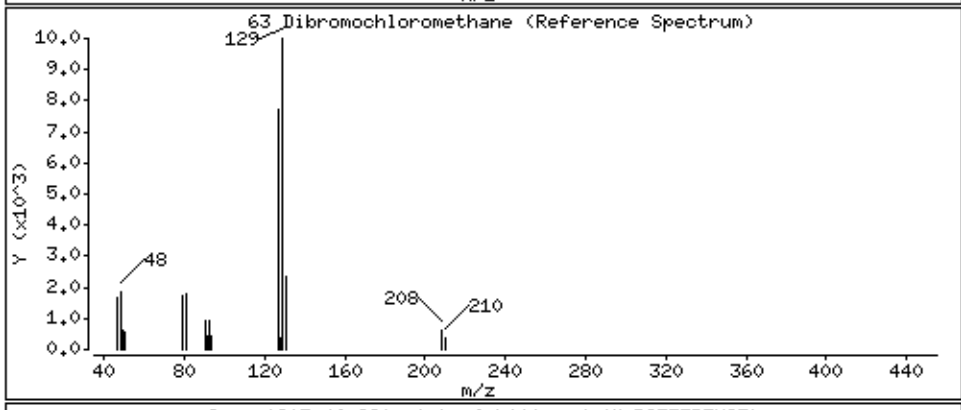
63 Dibromochloromethane

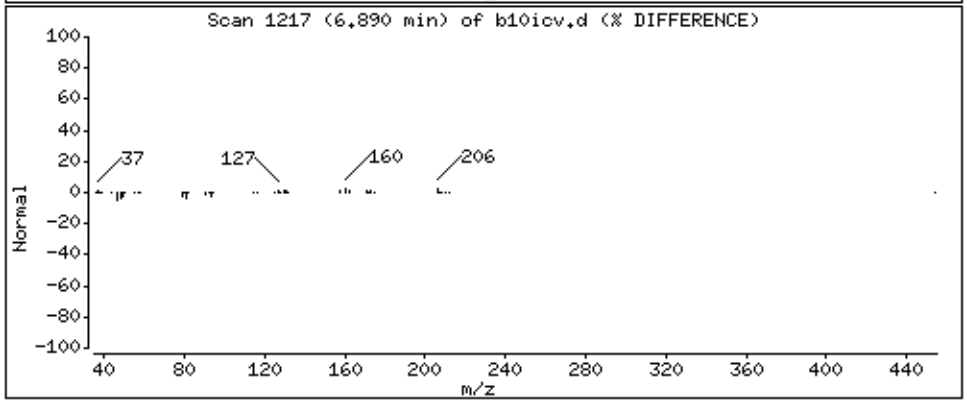
Concentration: 51.3 ppb

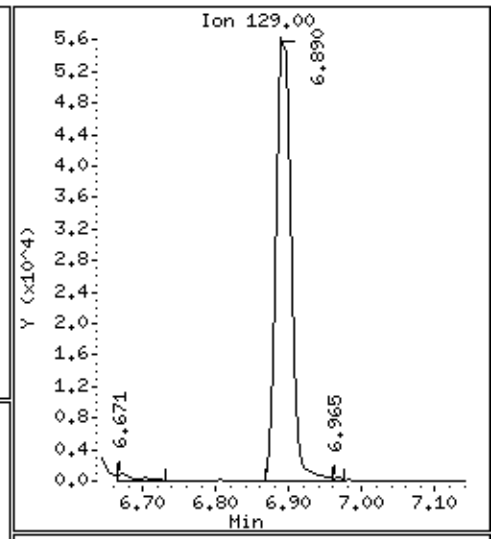
Review Code:

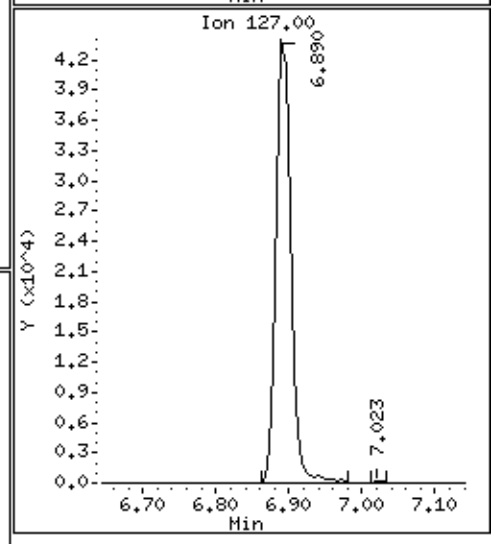












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

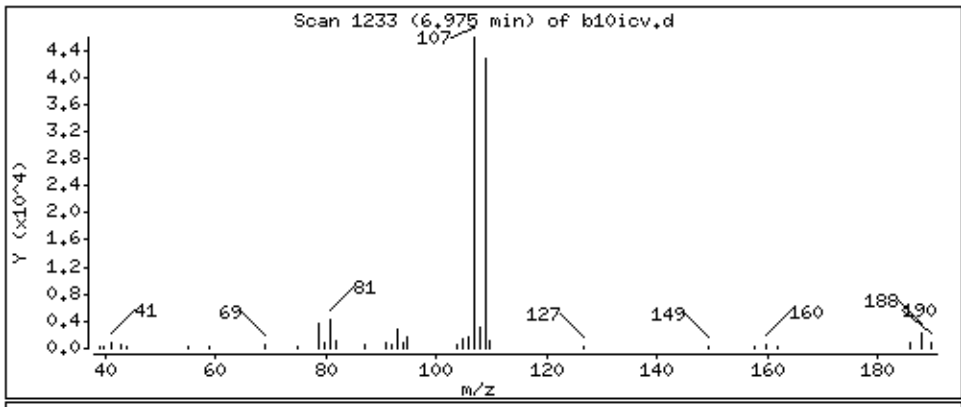
Column phase: DB-624

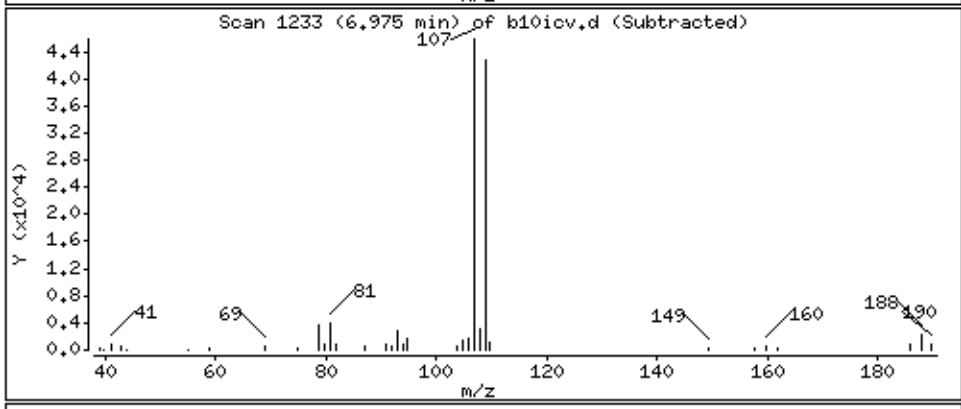
Column diameter: 0.18

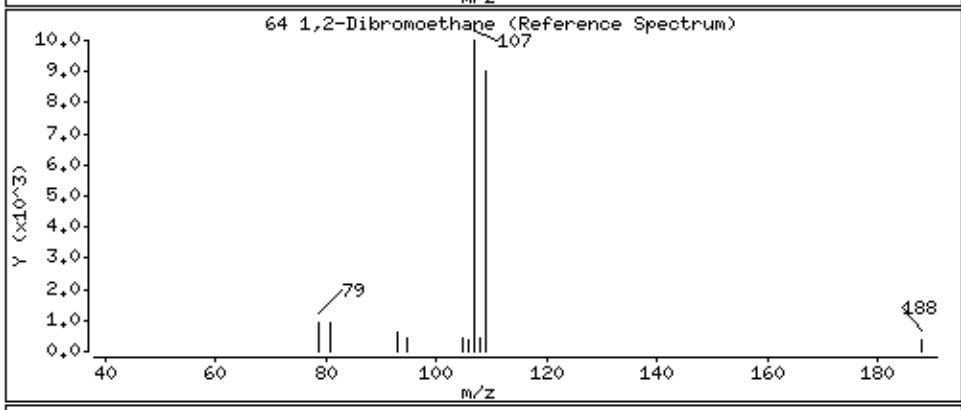
64 1,2-Dibromoethane

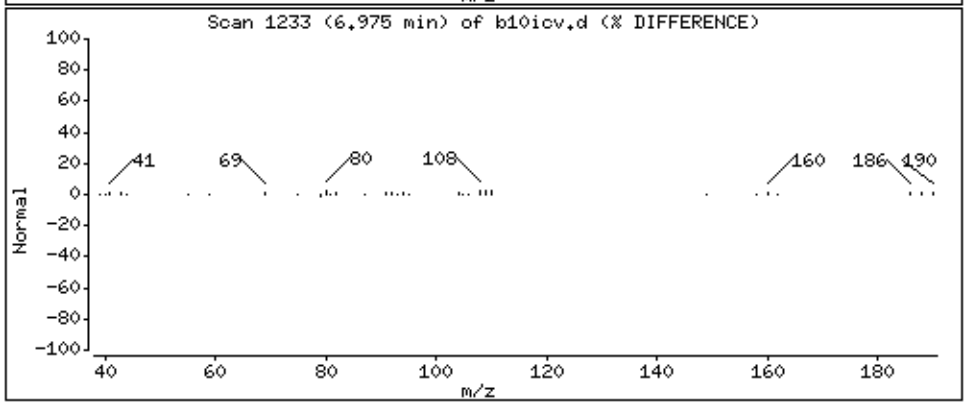
Concentration: 52.5 ppb

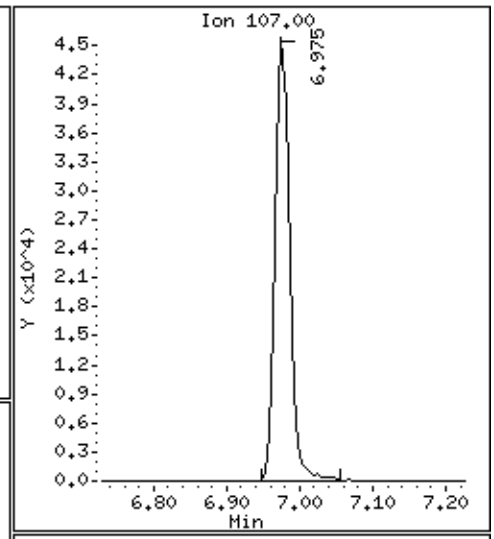
Review Code:

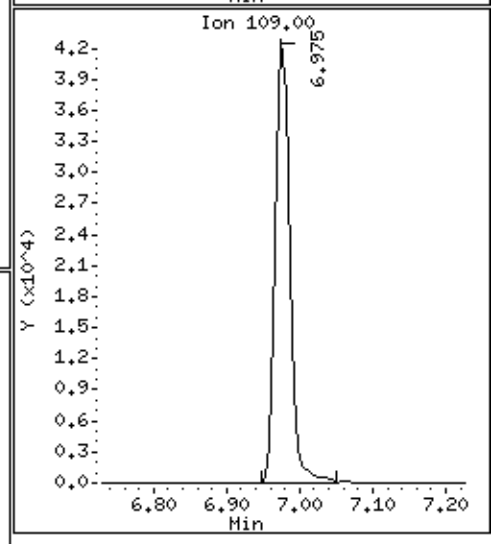












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

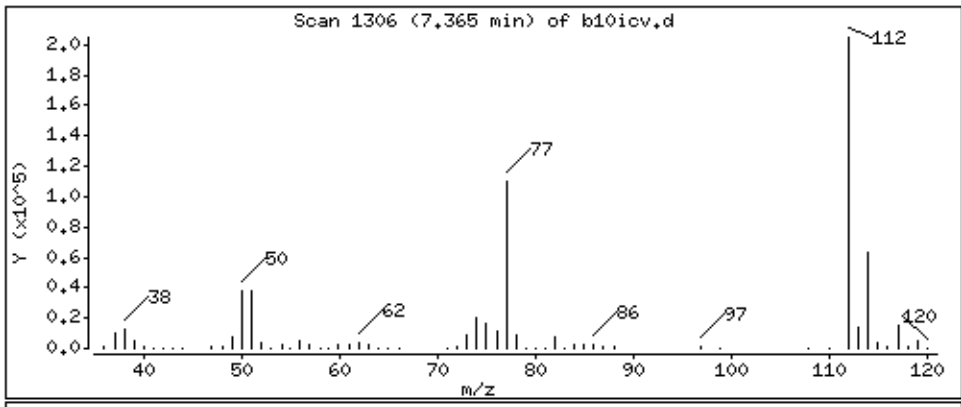
Column phase: DB-624

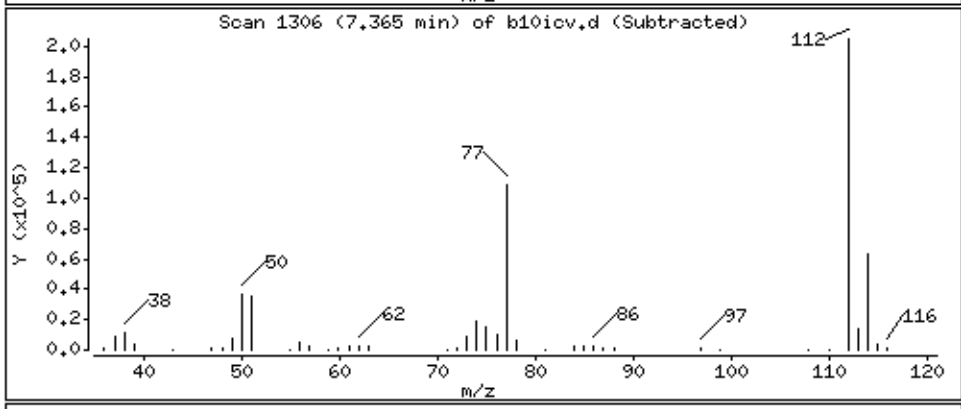
Column diameter: 0.18

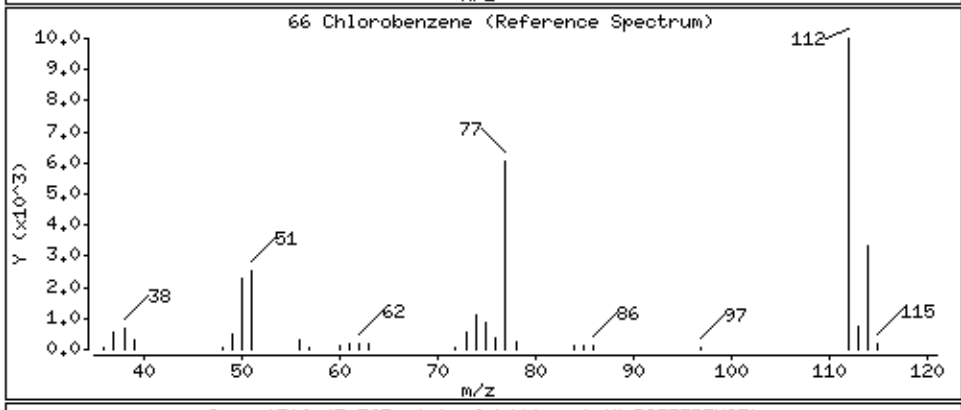
66 Chlorobenzene

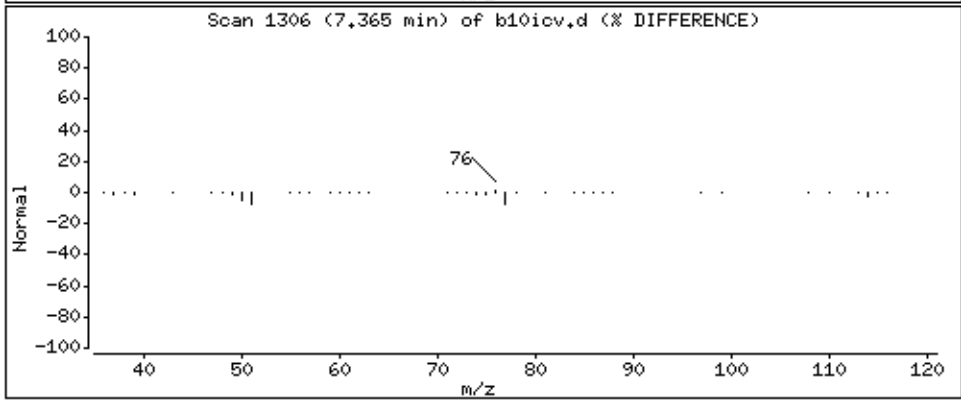
Concentration: 51.9 ppb

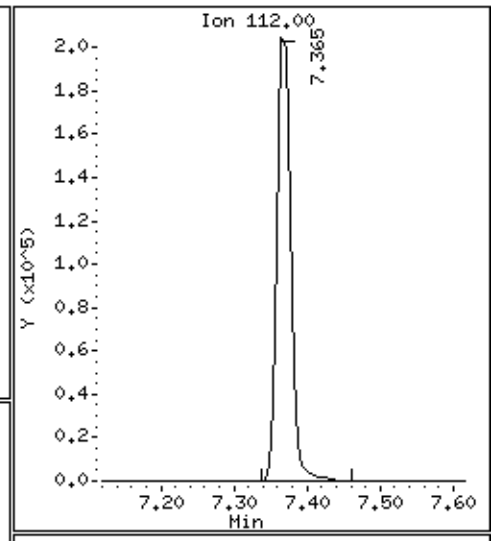
Review Code:

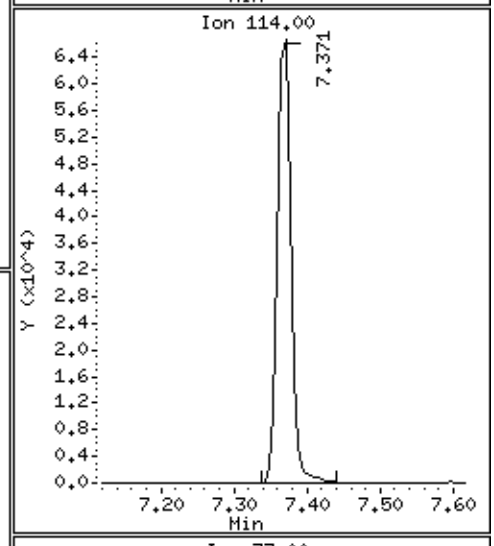


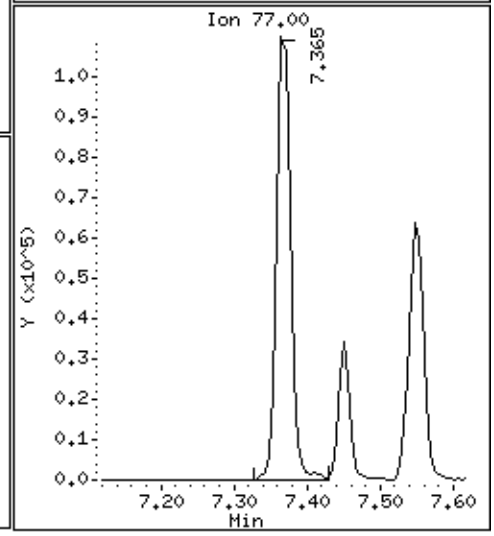












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

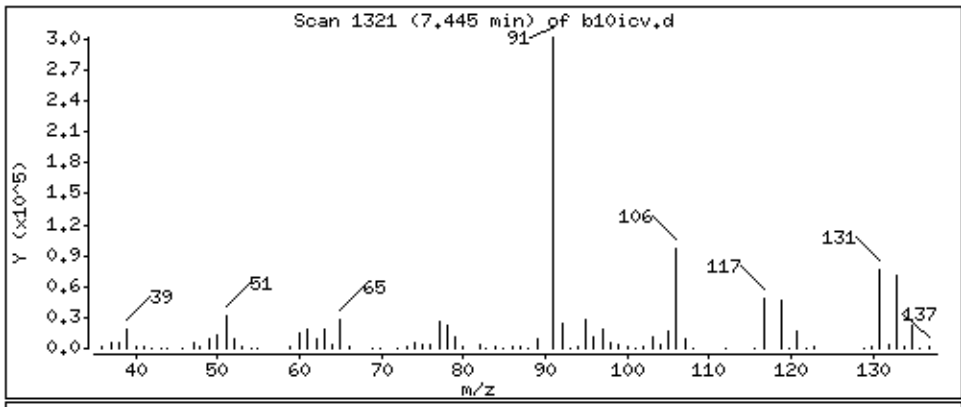
Column phase: DB-624

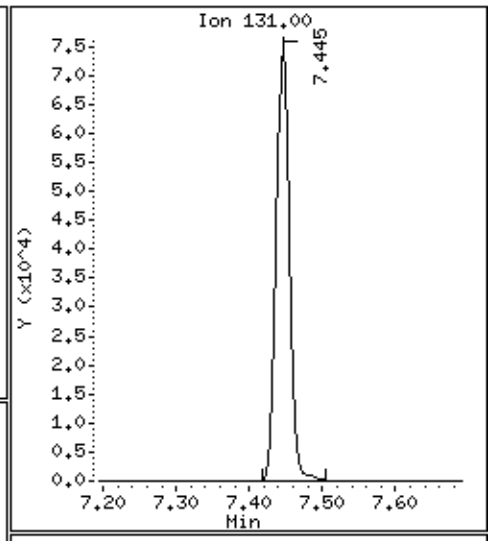
Column diameter: 0.18

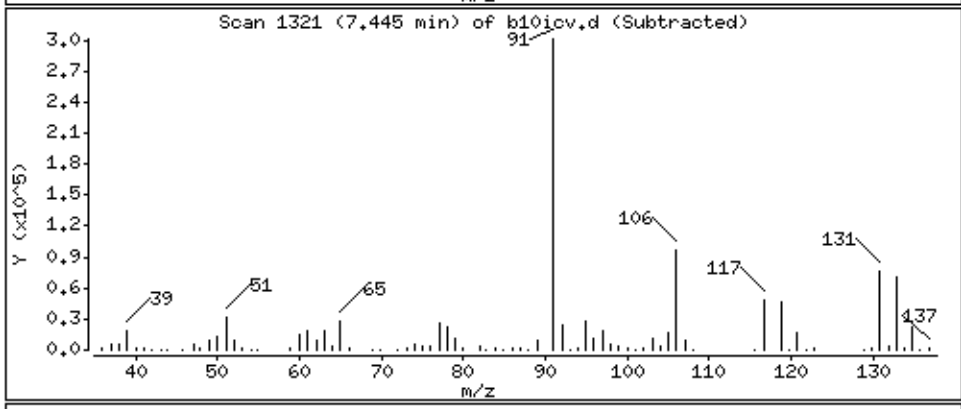
67 1,1,1,2-Tetrachloroethane

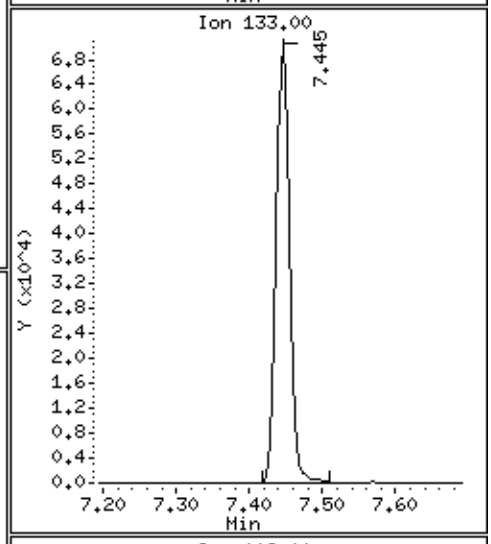
Concentration: 52.8 ppb

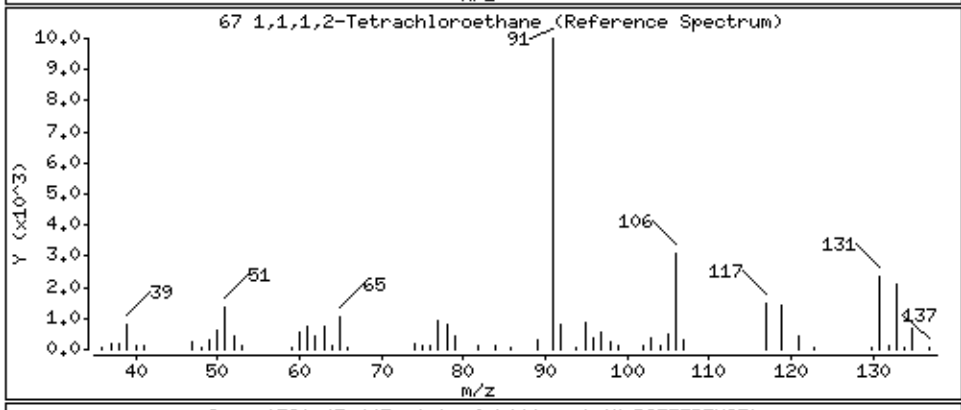
Review Code:

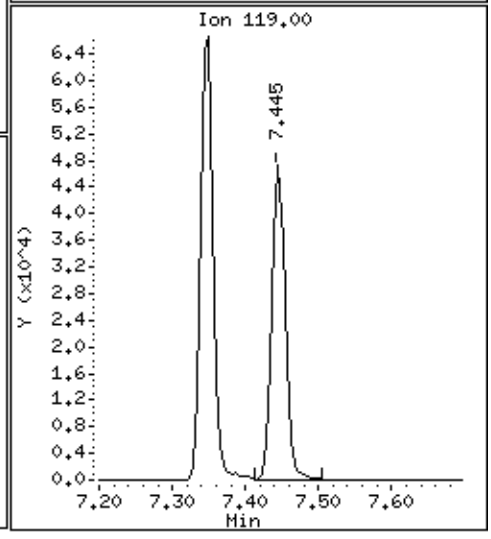


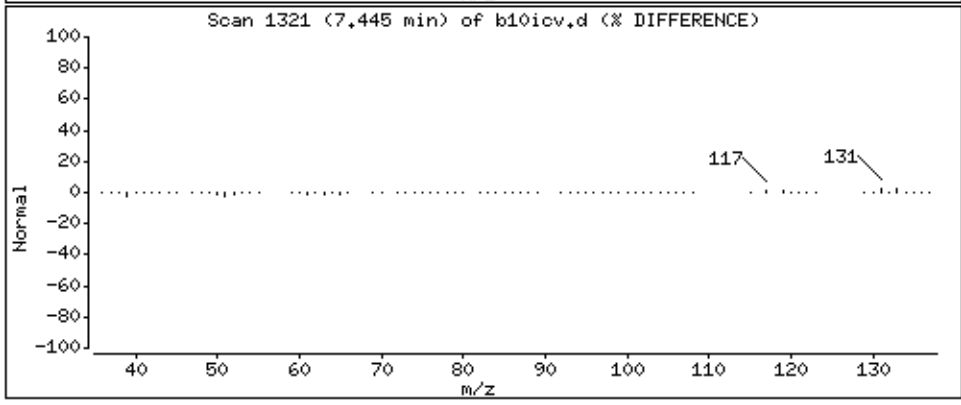












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

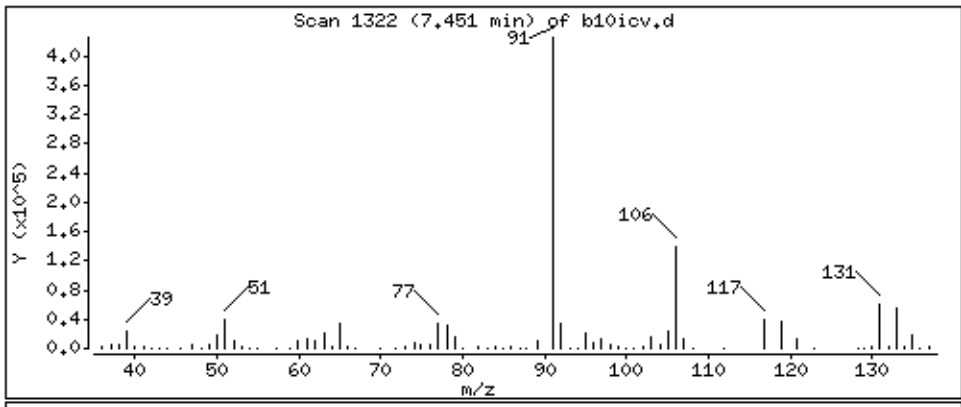
Column phase: DB-624

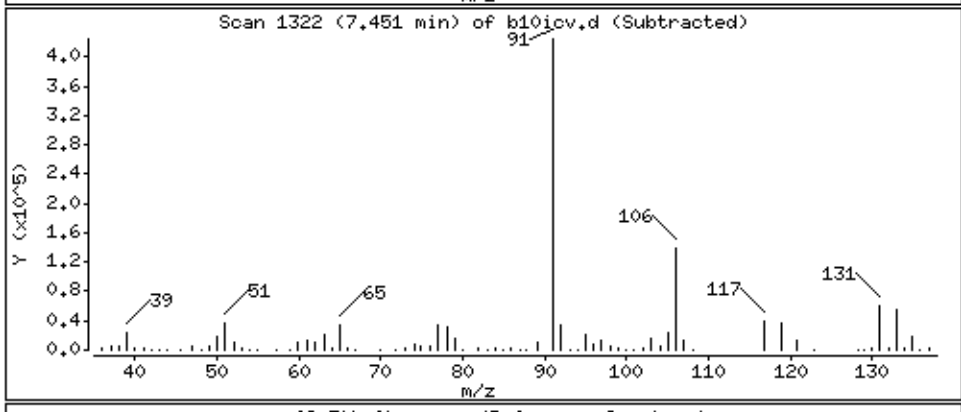
Column diameter: 0.18

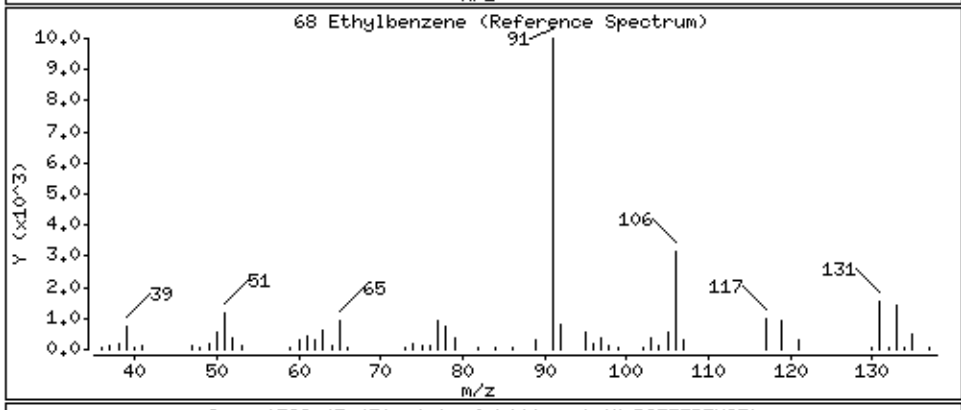
68 Ethylbenzene

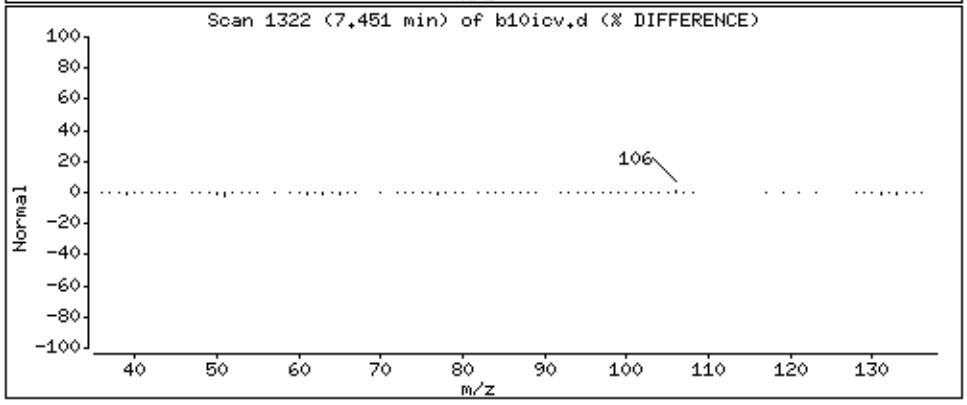
Concentration: 52.3 ppb

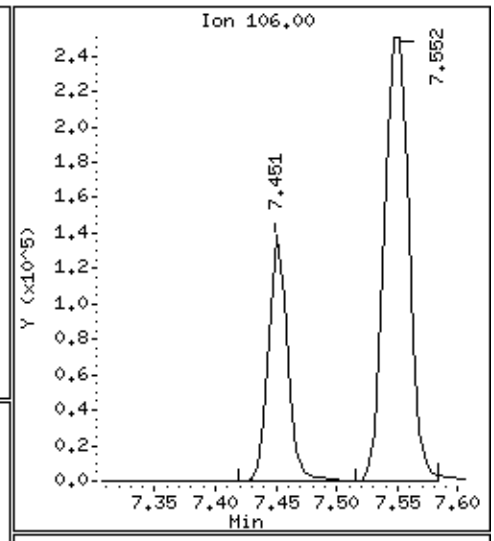
Review Code:

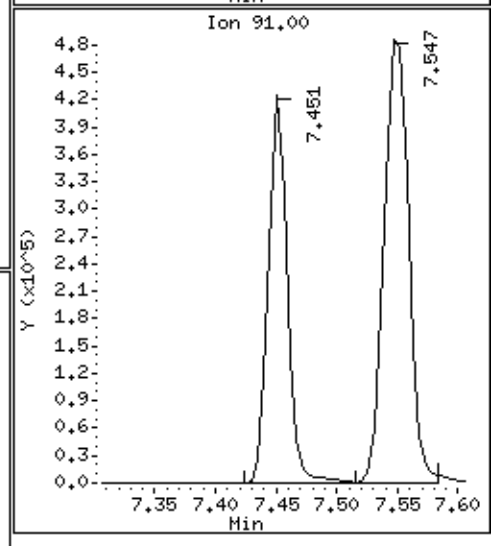












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

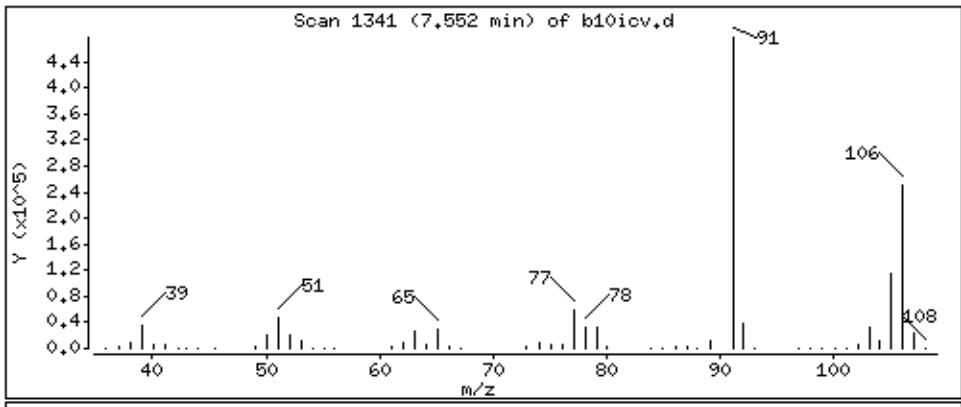
Column phase: DB-624

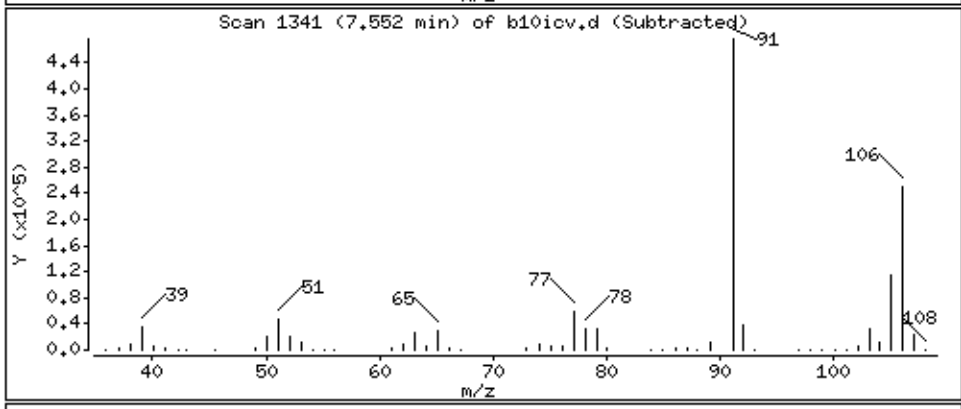
Column diameter: 0.18

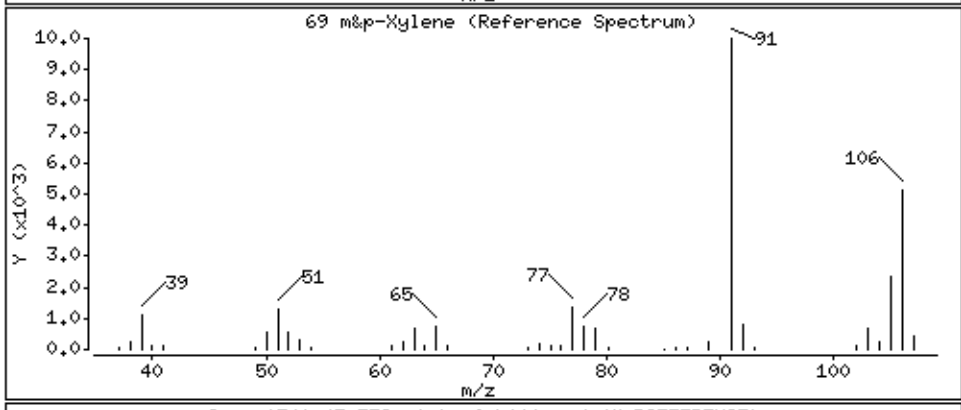
69 m&p-Xylene

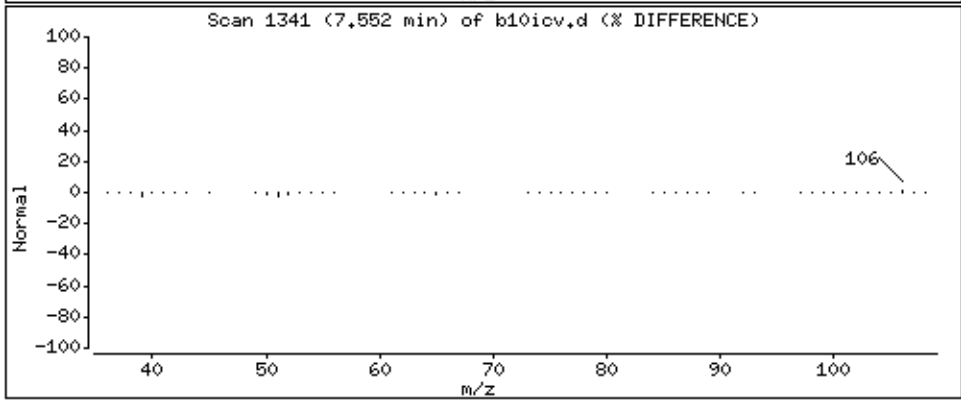
Concentration: 106 ppb

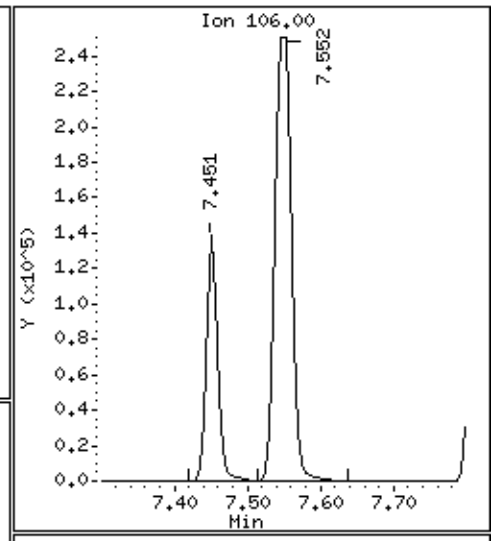
Review Code:

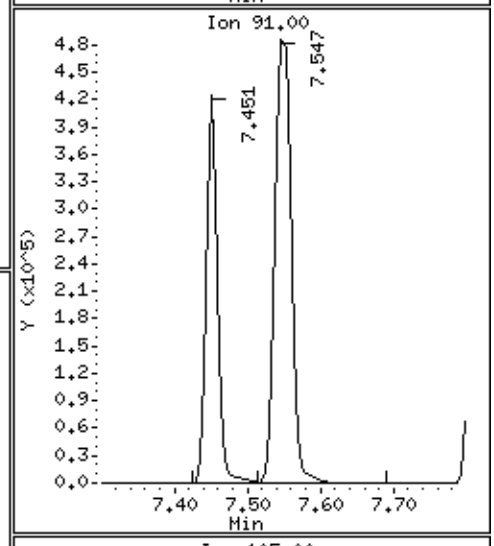


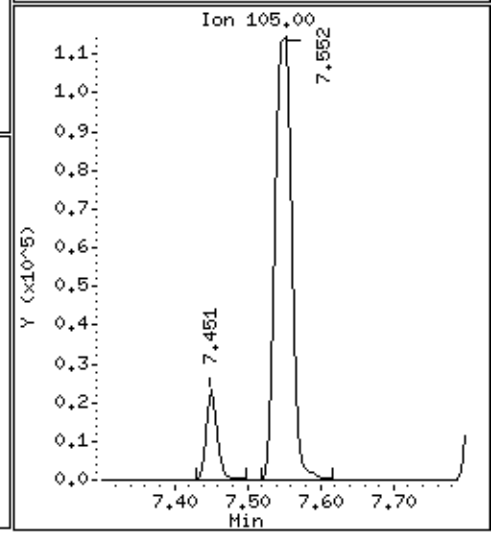












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Page 71

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

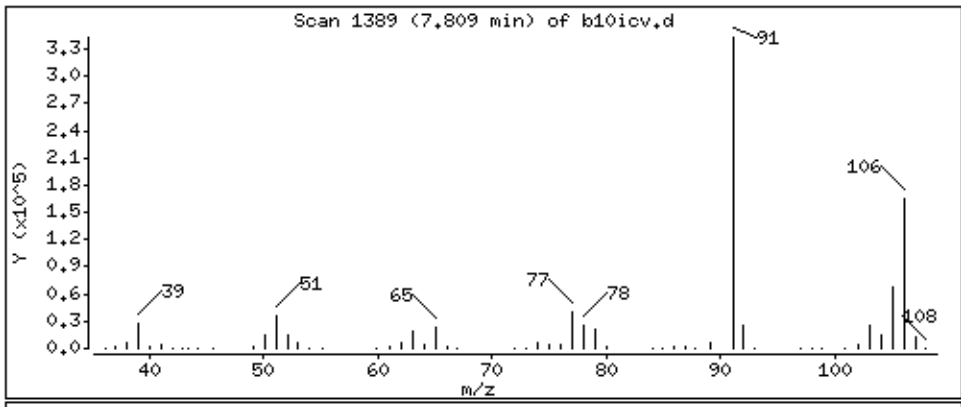
Column phase: DB-624

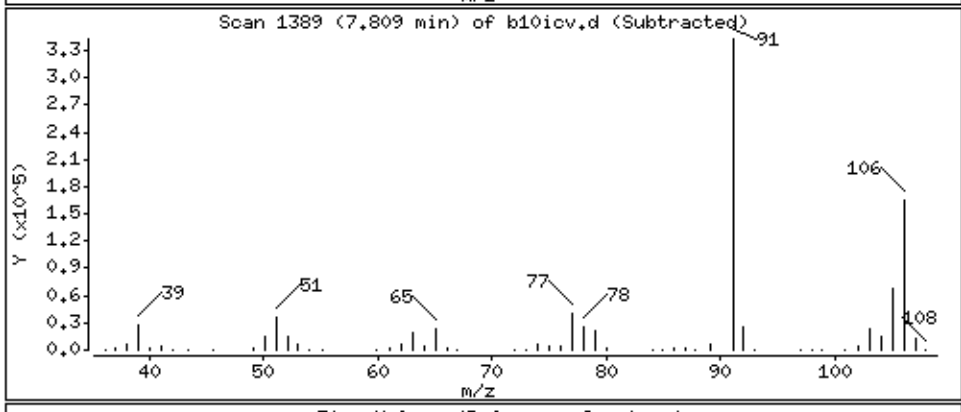
Column diameter: 0.18

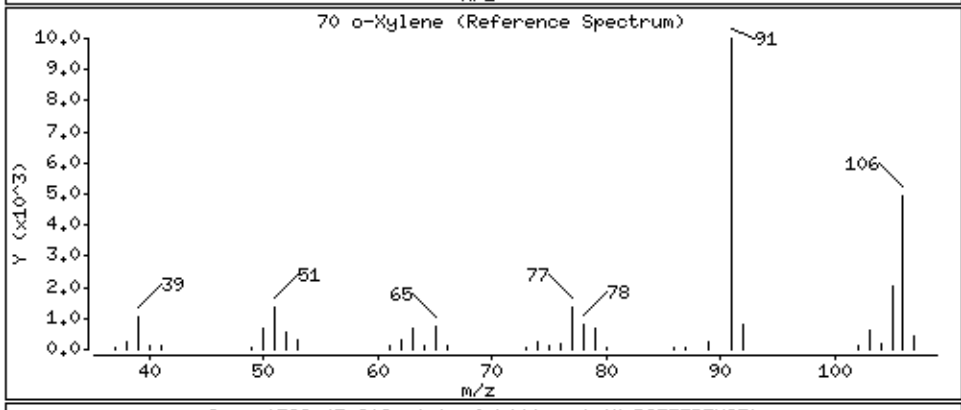
70 o-Xylene

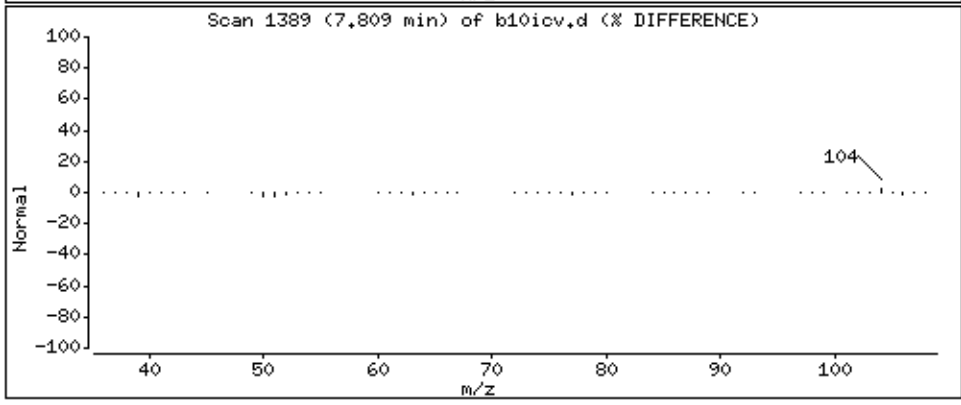
Concentration: 52.9 ppb

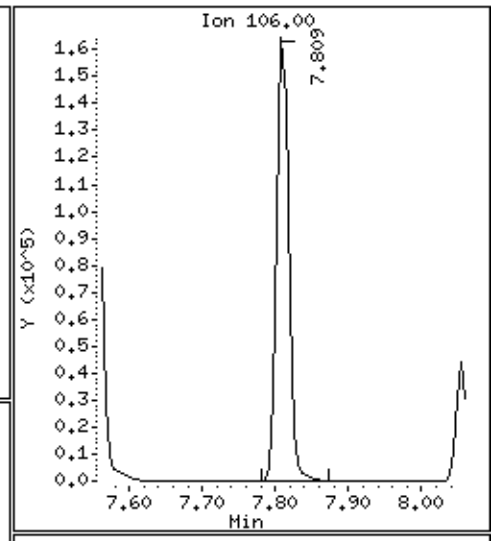
Review Code:

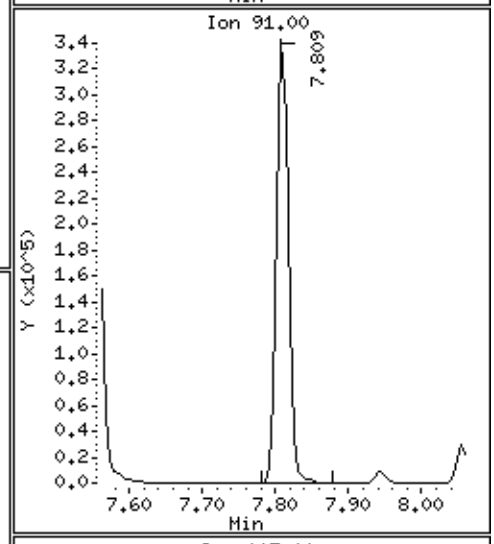


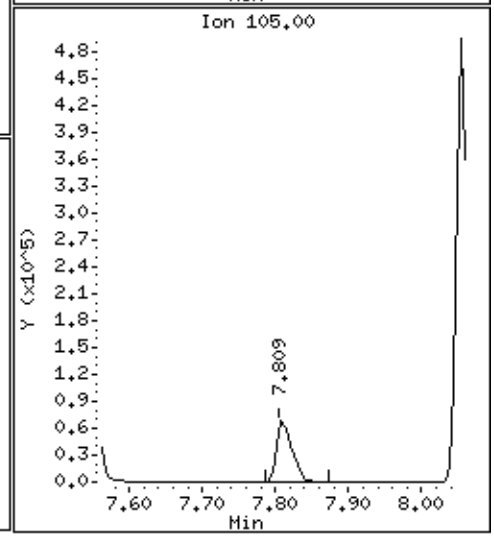












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

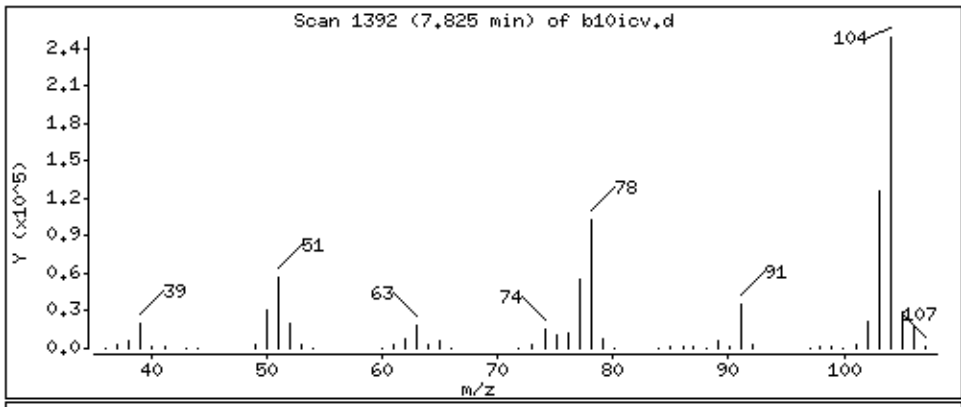
Column phase: DB-624

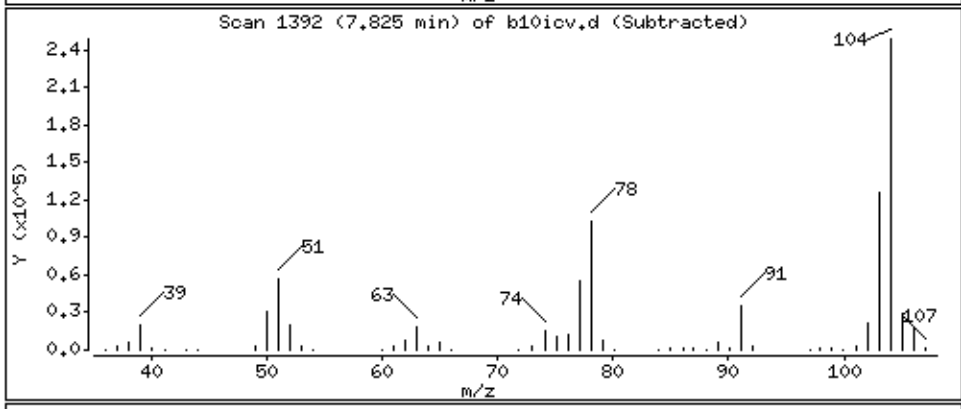
Column diameter: 0.18

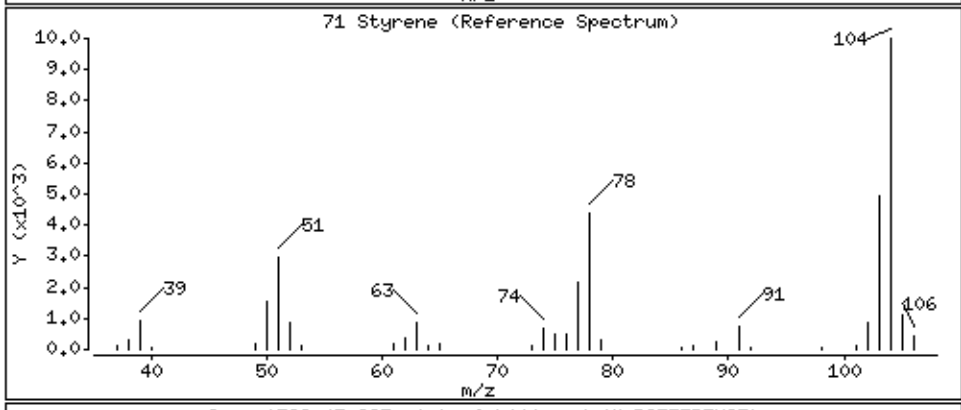
71 Styrene

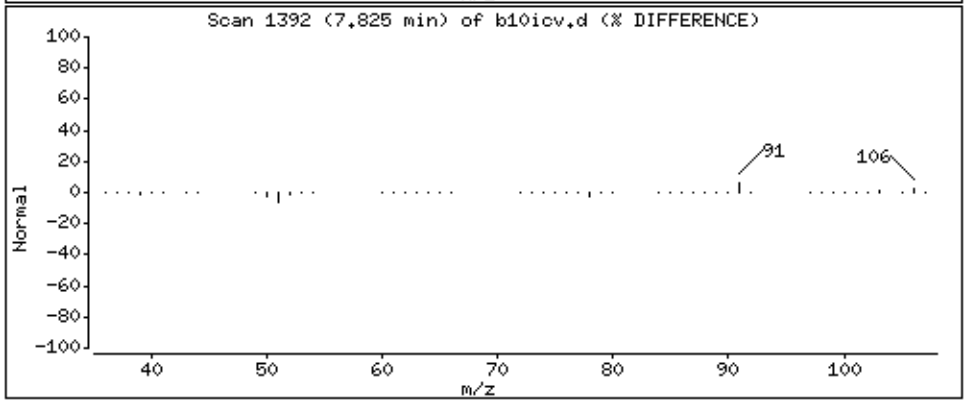
Concentration: 52.2 ppb

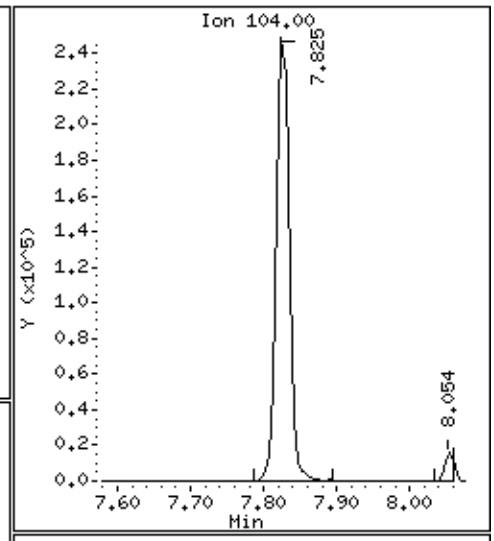
Review Code:

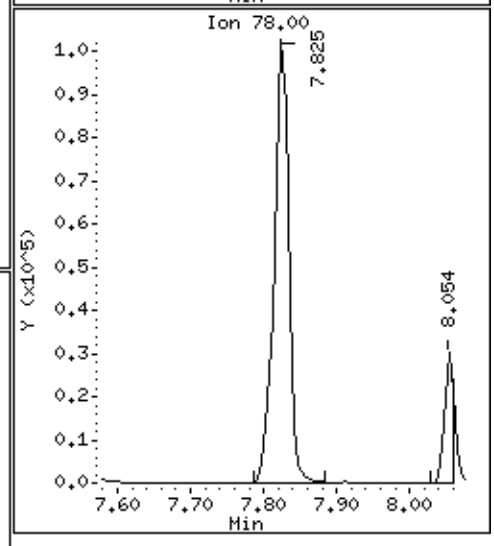












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

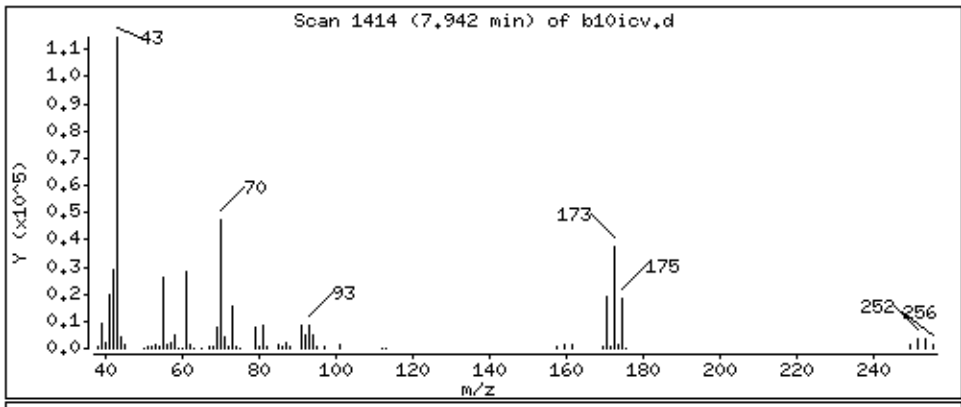
Column phase: DB-624

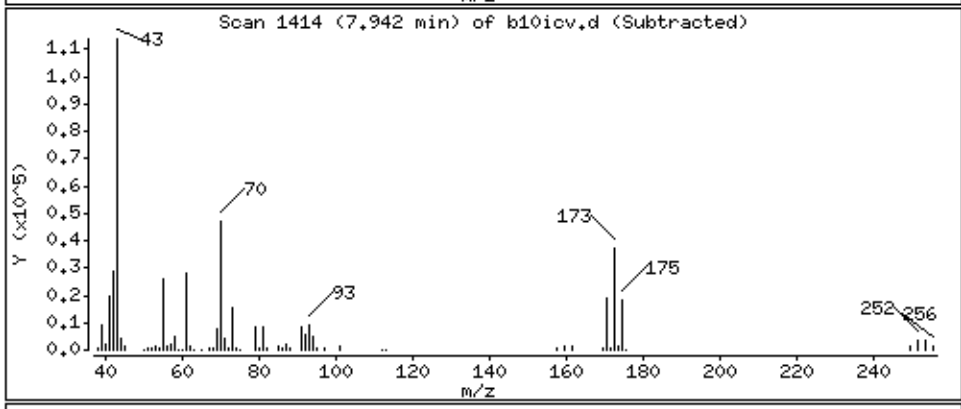
Column diameter: 0.18

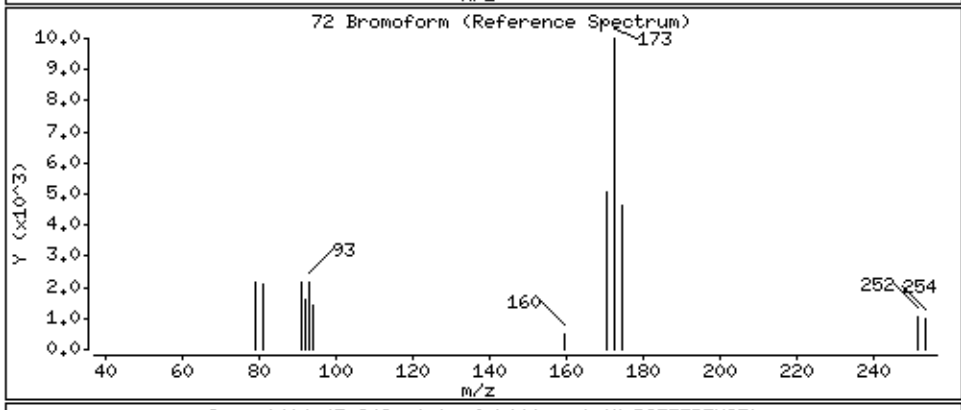
72 Bromoform

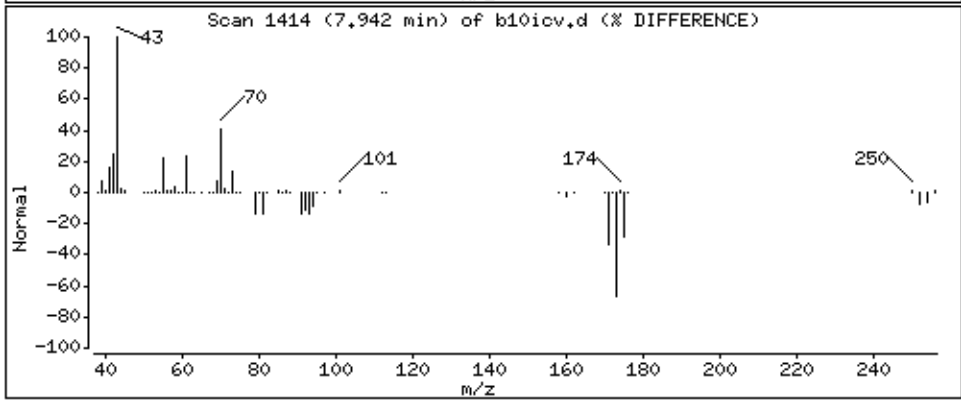
Concentration: 47.4 ppb

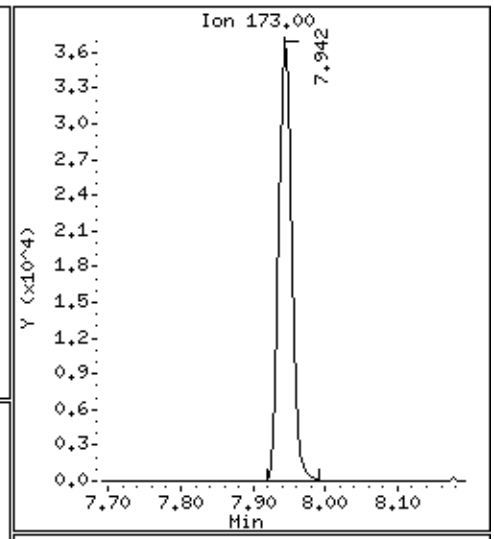
Review Code:

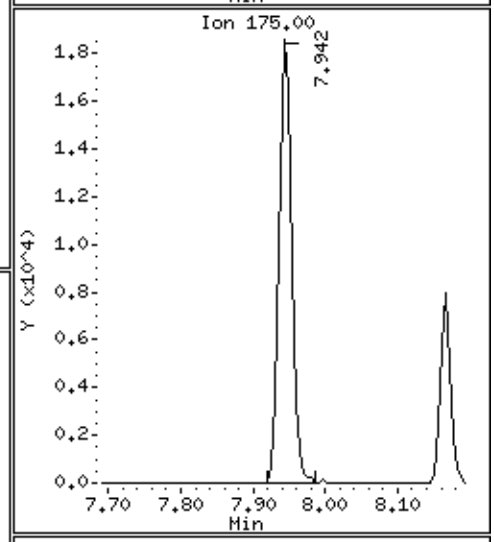


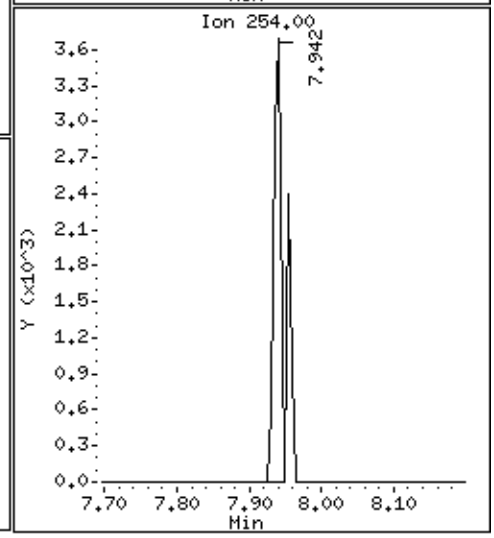












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

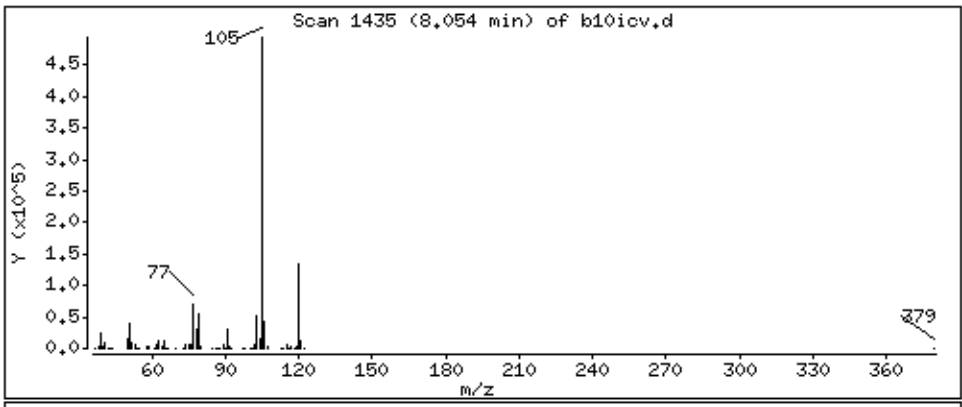
Column phase: DB-624

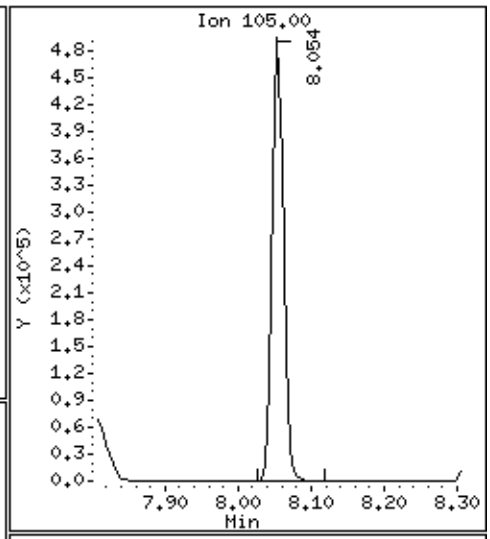
Column diameter: 0.18

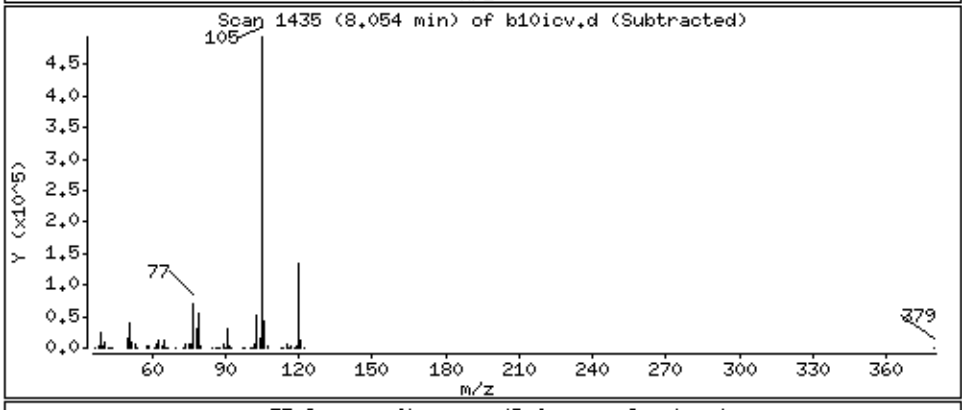
73 Isopropylbenzene

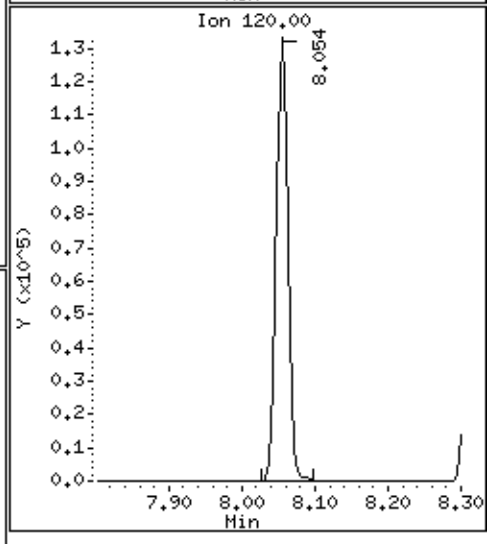
Concentration: 53.9 ppb

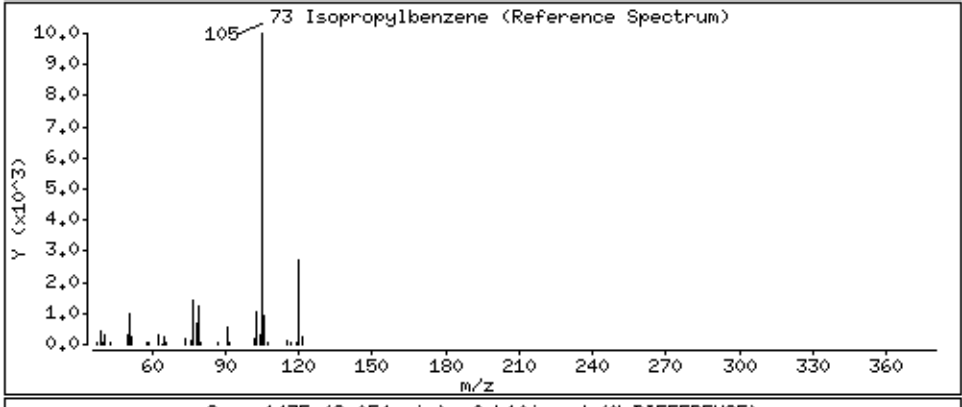
Review Code:

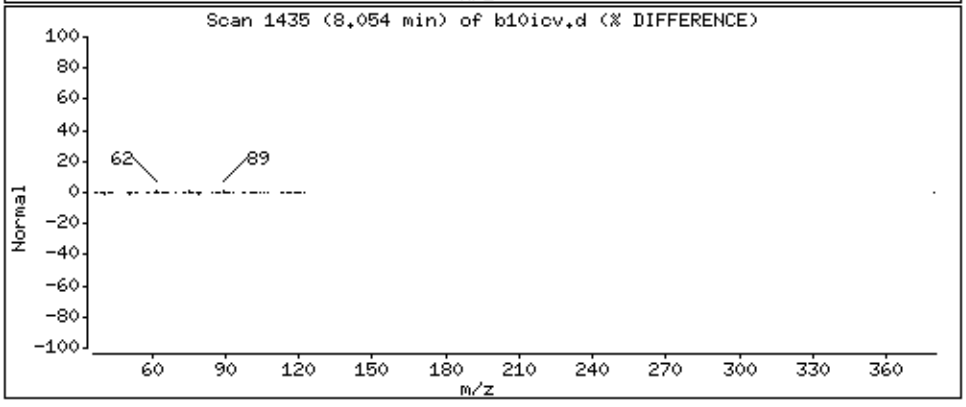












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

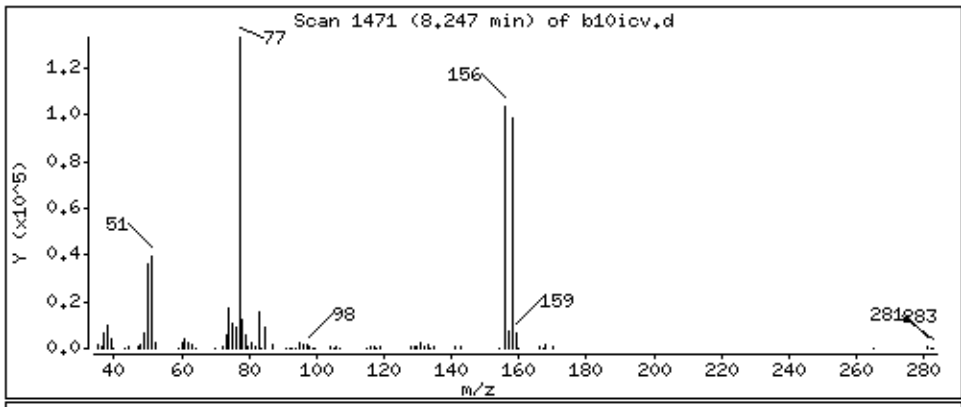
Column phase: DB-624

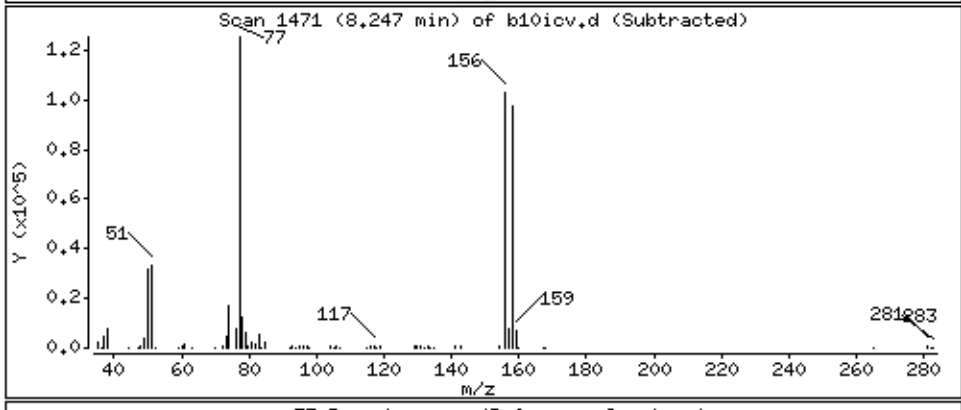
Column diameter: 0.18

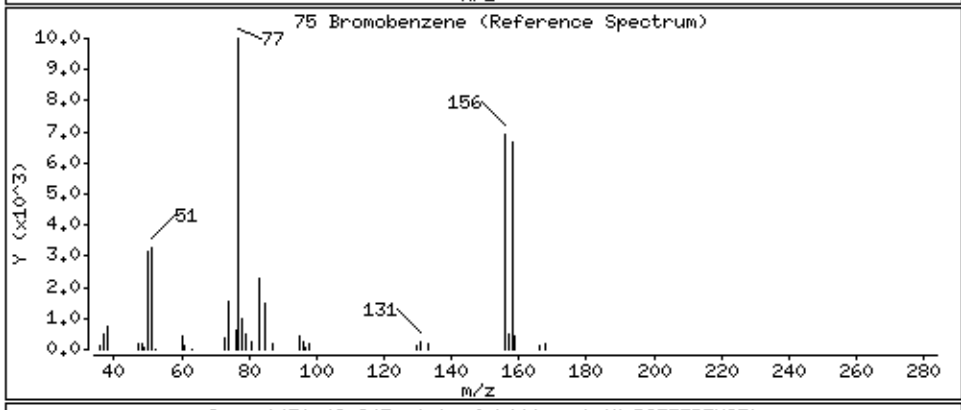
75 Bromobenzene

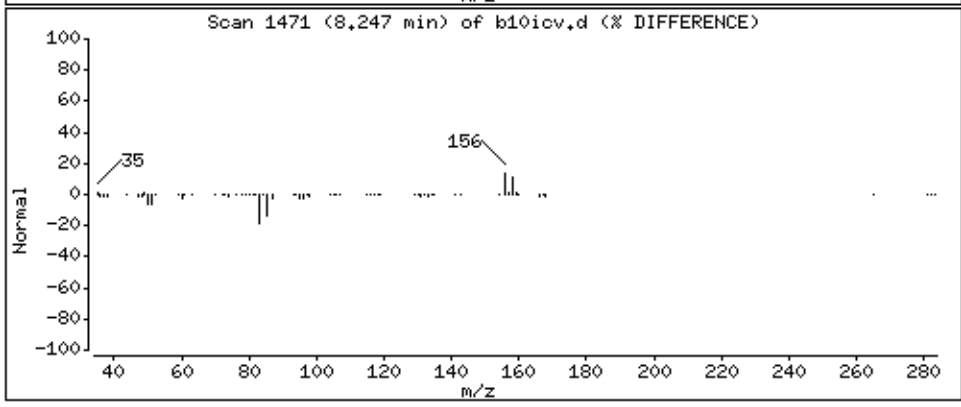
Concentration: 49.8 ppb

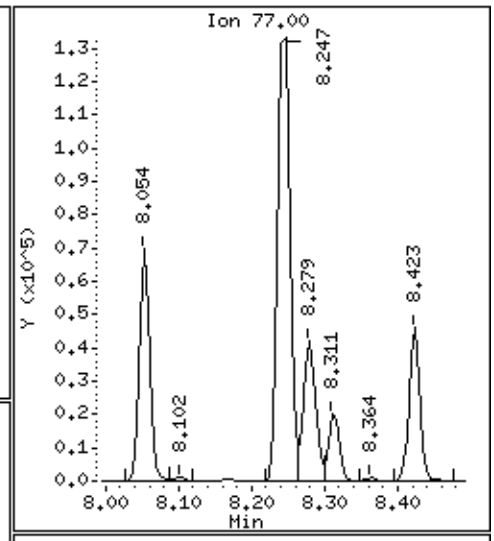
Review Code:

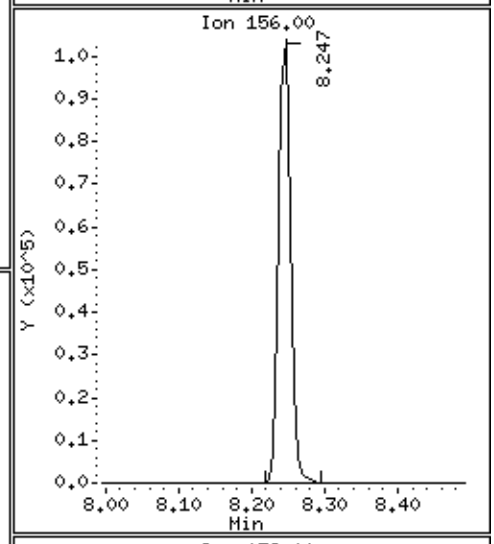


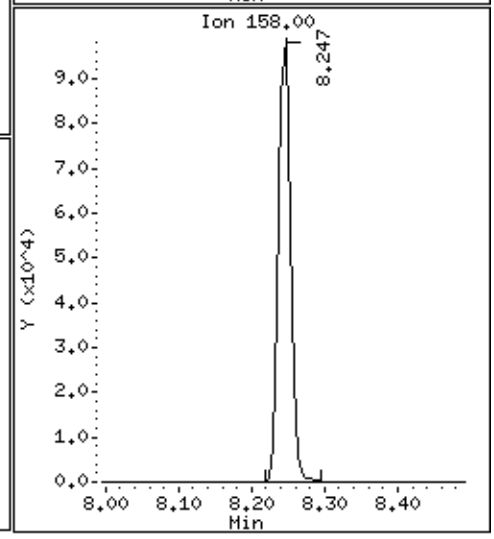












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

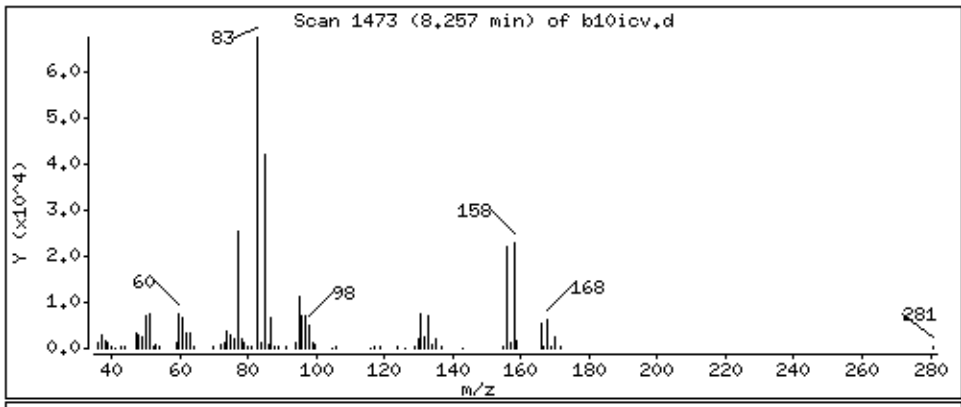
Column phase: DB-624

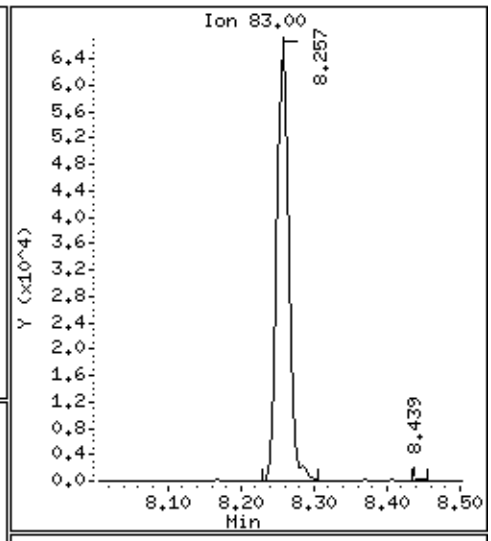
Column diameter: 0.18

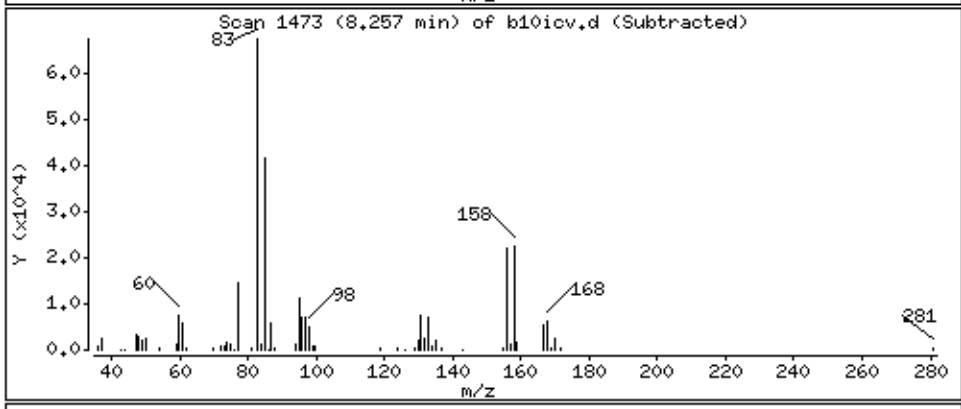
76 1,1,2,2-Tetrachloroethane

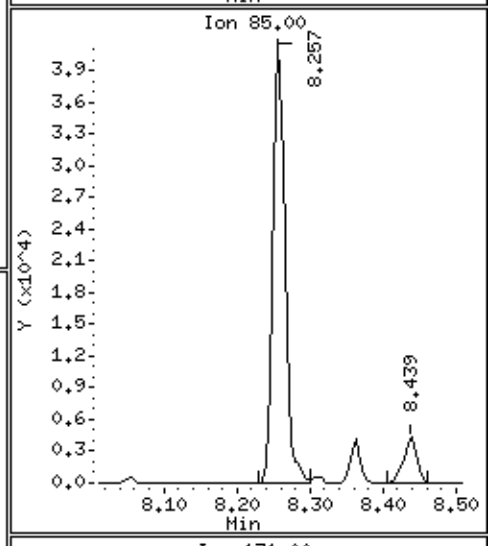
Concentration: 49.3 ppb

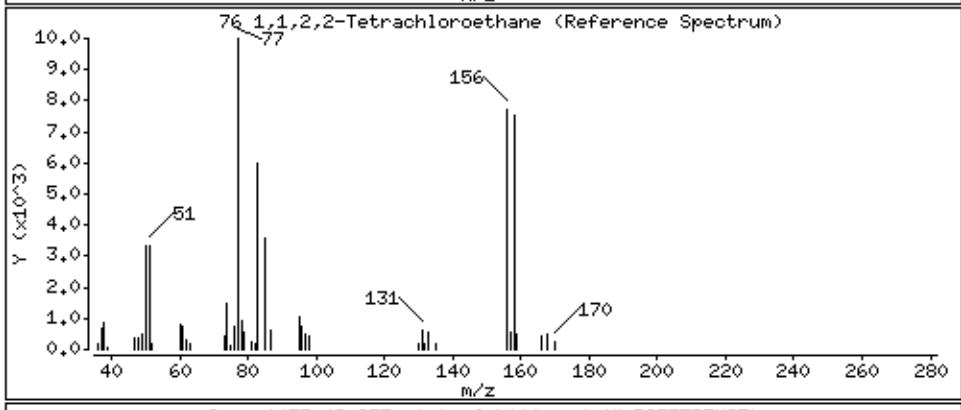
Review Code:

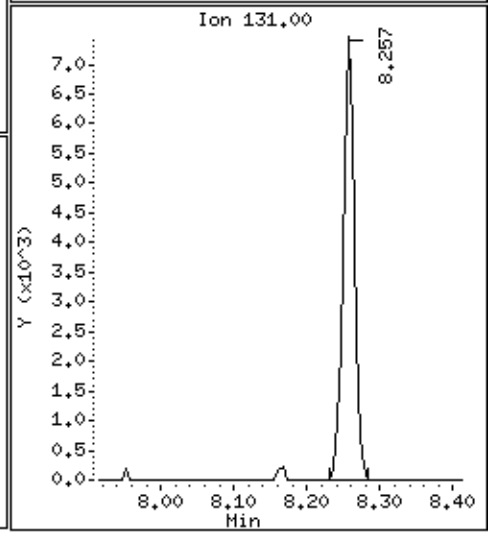


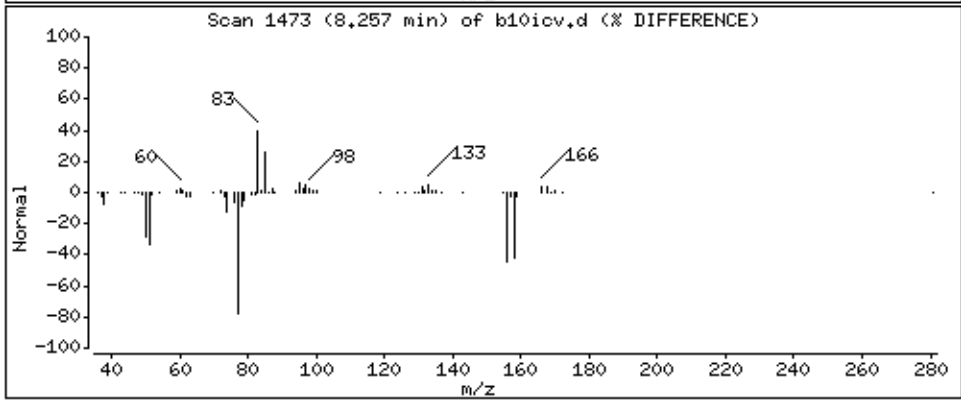












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Page 77

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

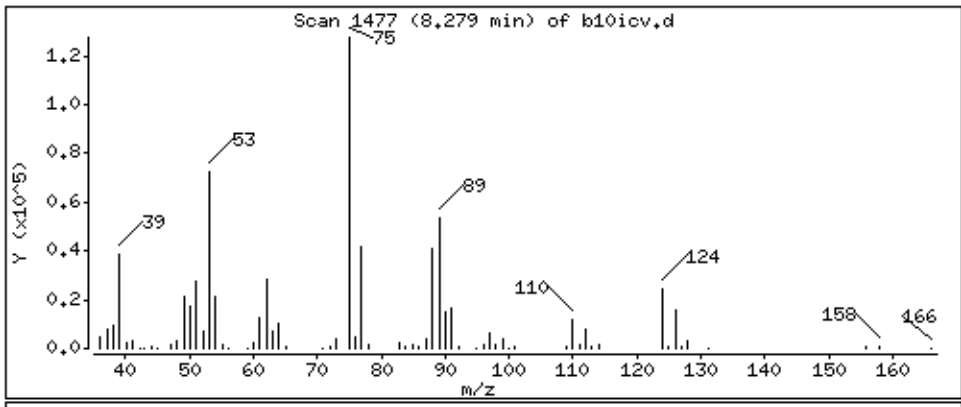
Column phase: DB-624

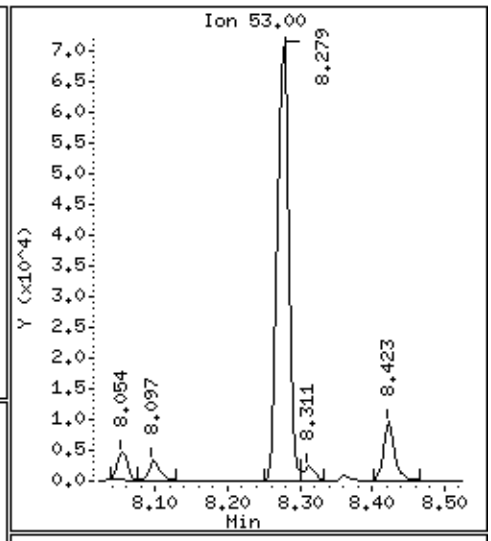
Column diameter: 0.18

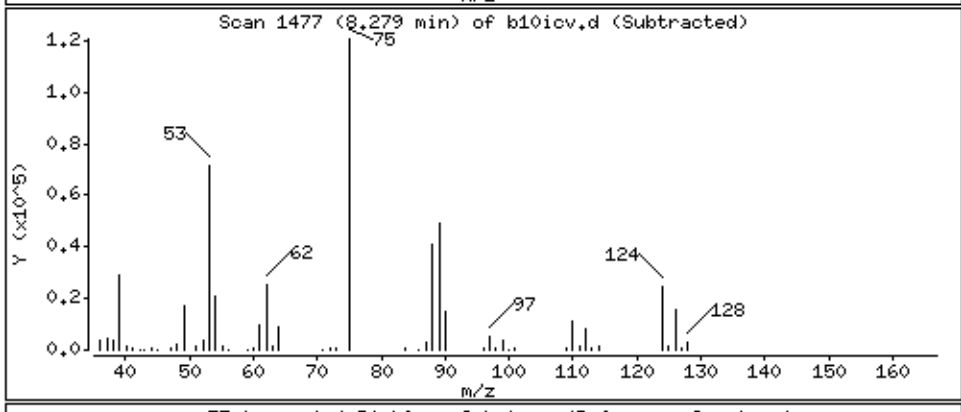
77 trans-1,4-Dichloro-2-butene

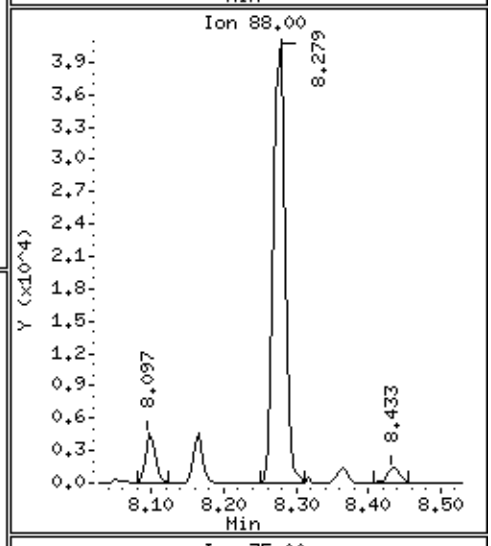
Concentration: 186 ppb

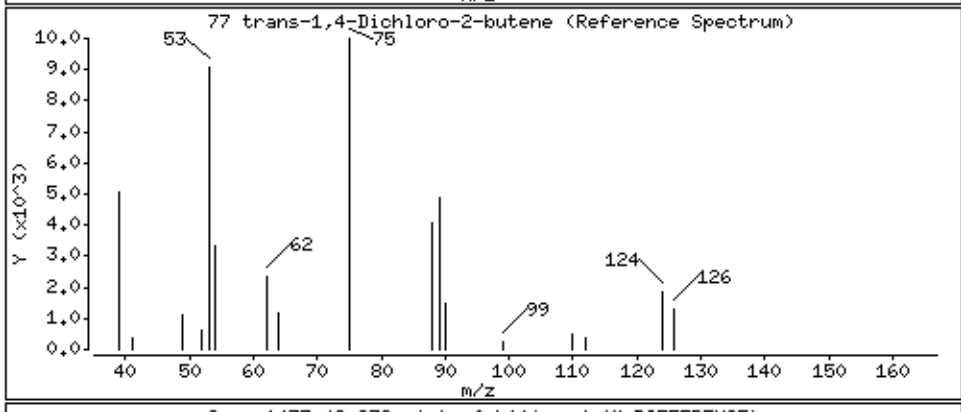
Review Code:

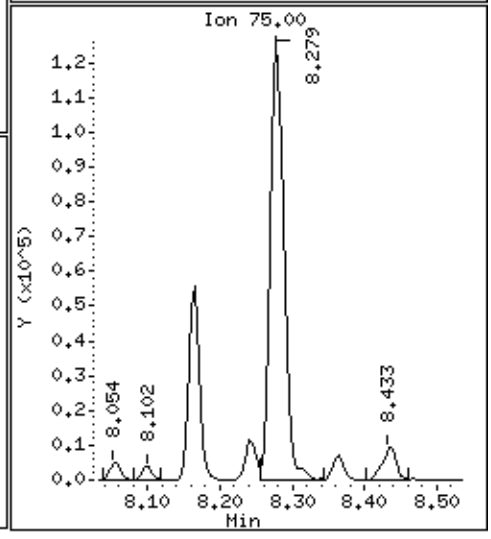


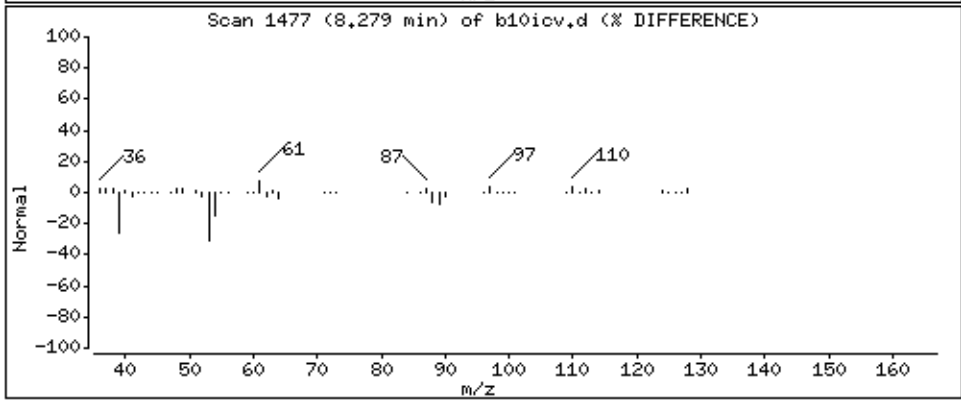












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

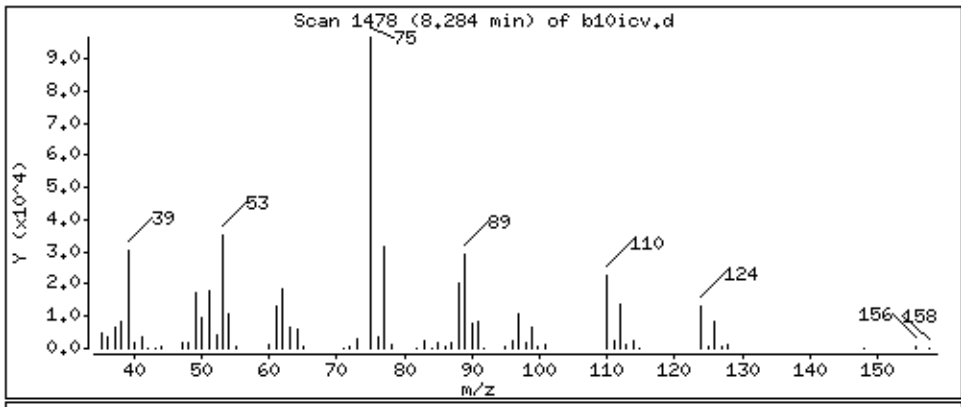
Column phase: DB-624

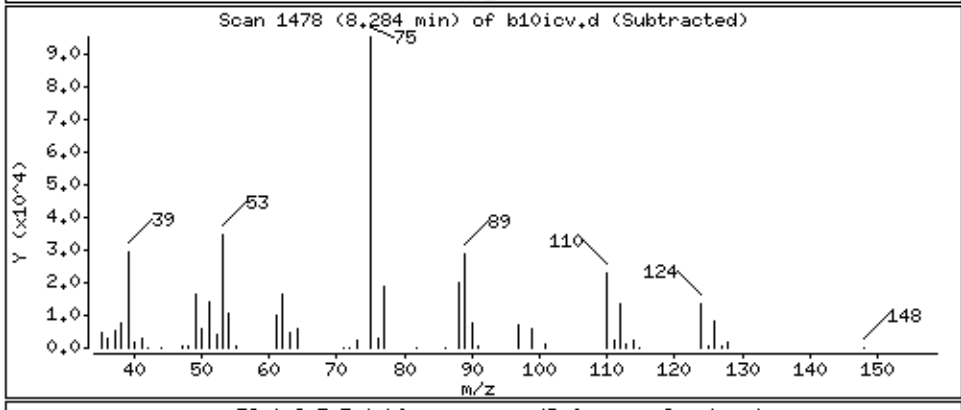
Column diameter: 0.18

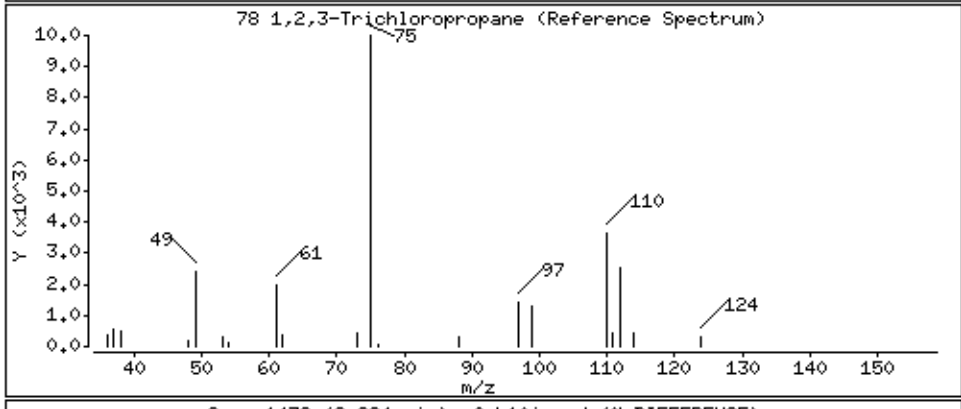
78 1,2,3-Trichloropropane

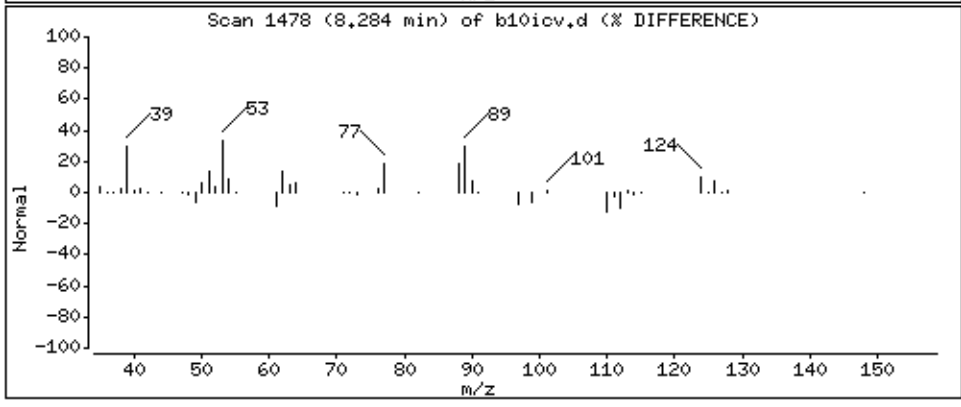
Concentration: 50.5 ppb

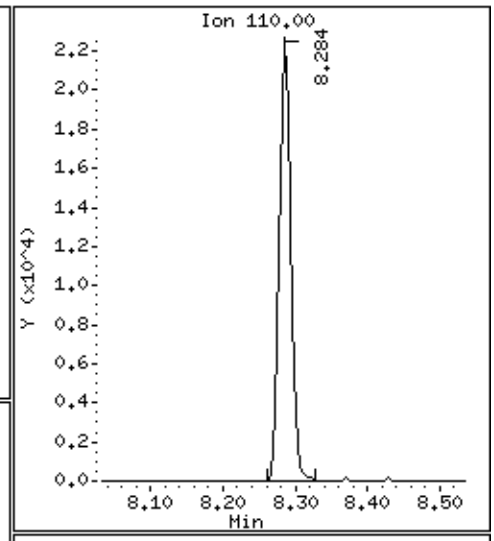
Review Code:

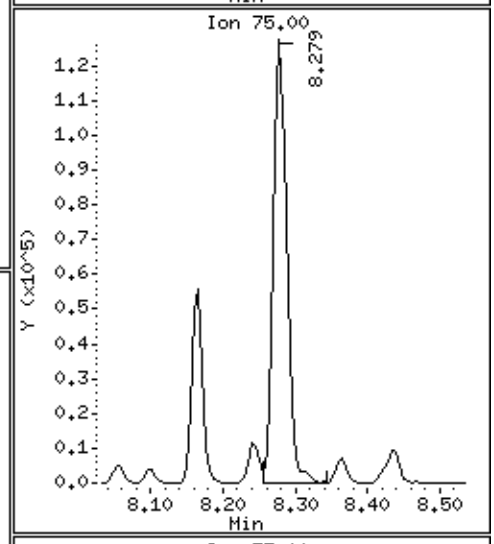


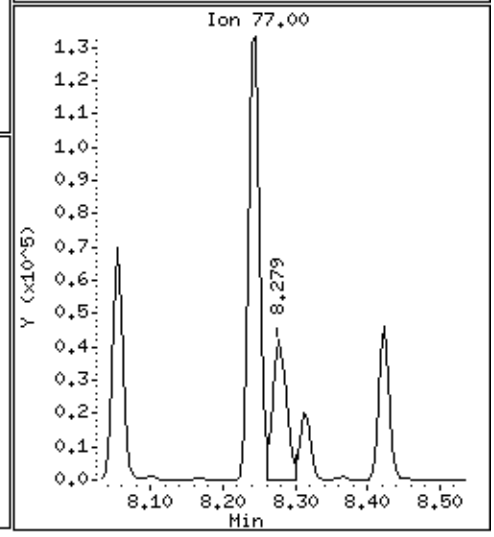












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

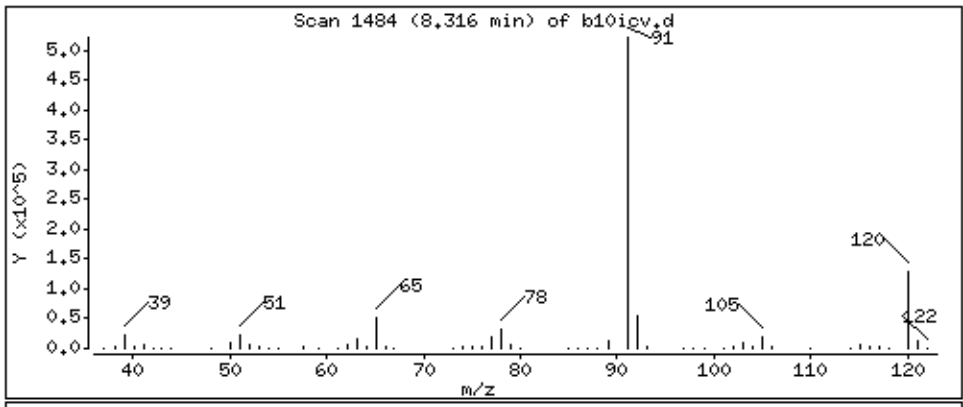
Column phase: DB-624

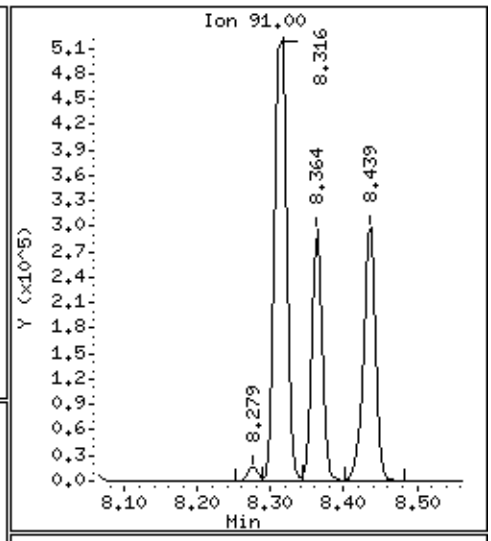
Column diameter: 0.18

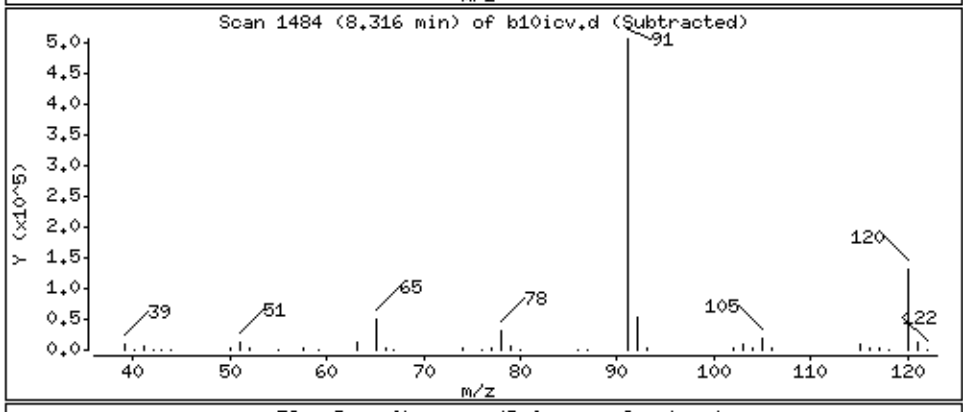
79 n-Propylbenzene

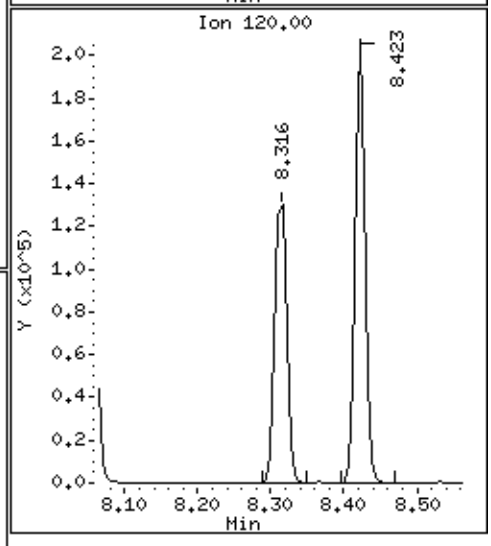
Concentration: 51.5 ppb

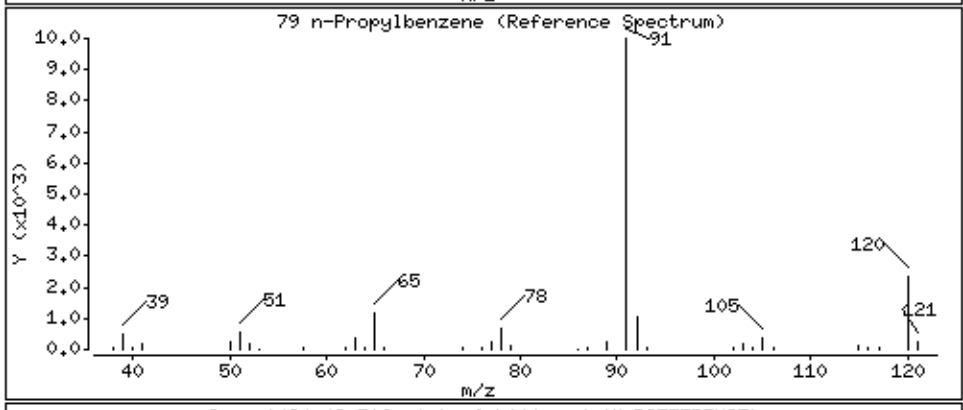
Review Code:

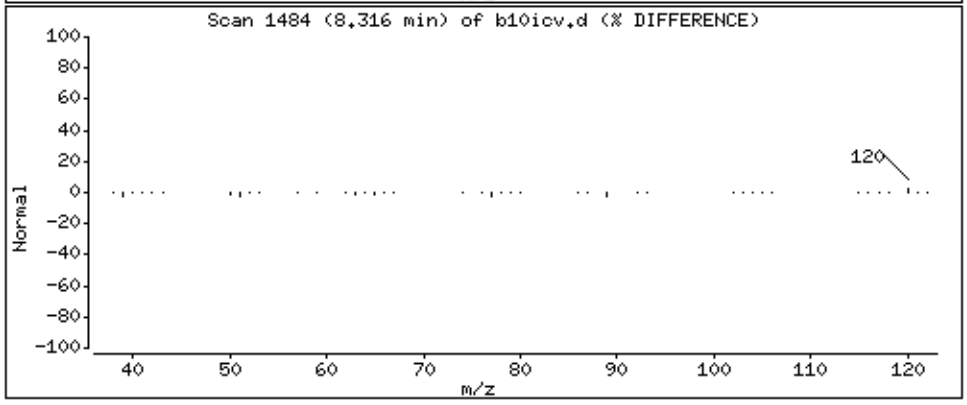












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

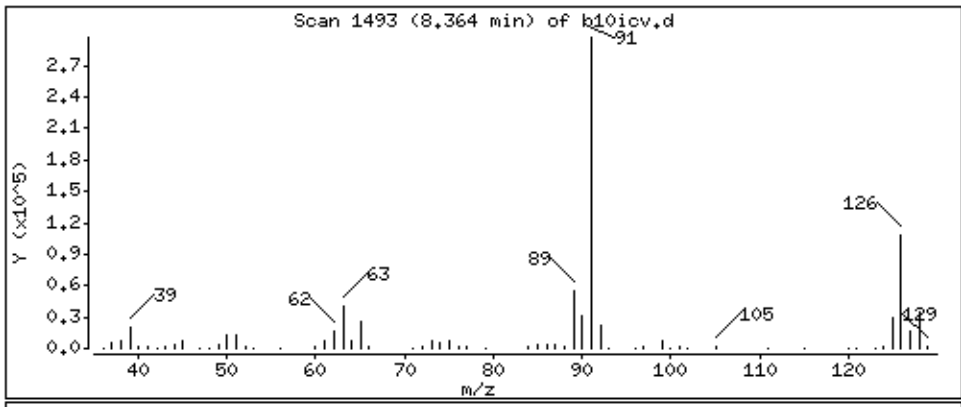
Column phase: DB-624

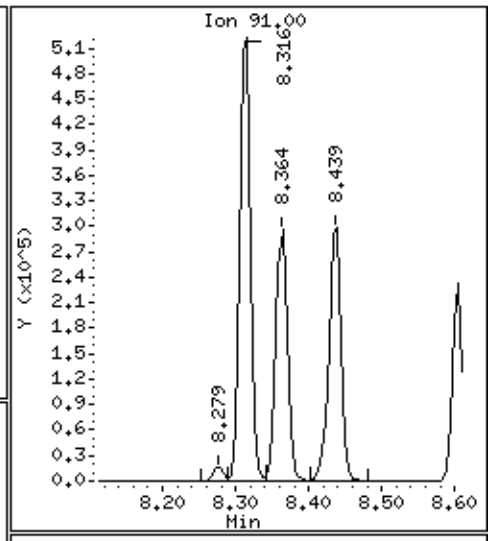
Column diameter: 0.18

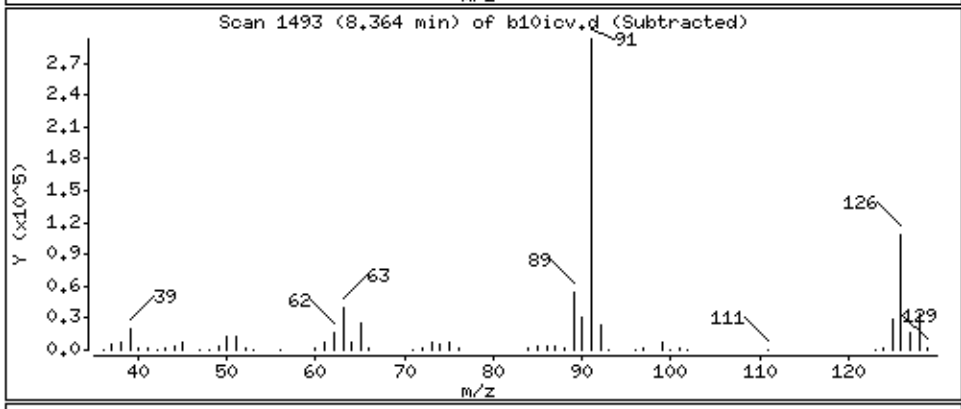
80 2-Chlorotoluene

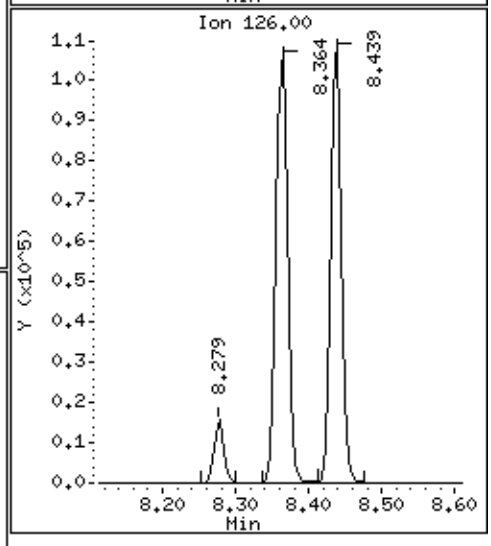
Concentration: 50.4 ppb

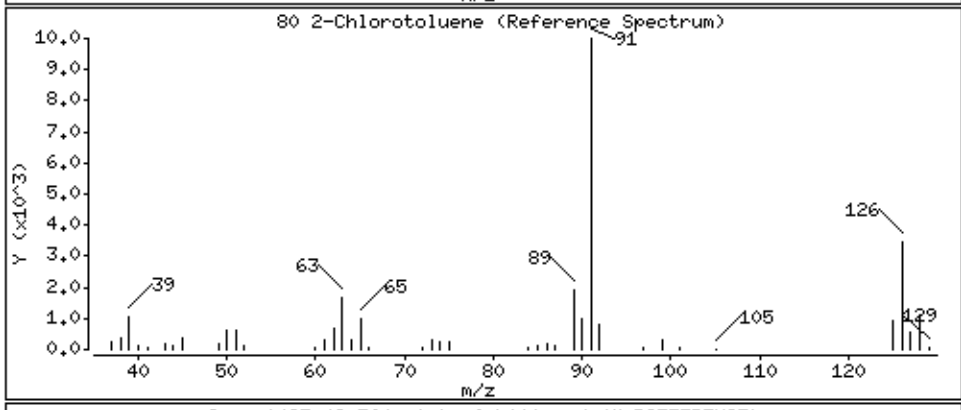
Review Code:

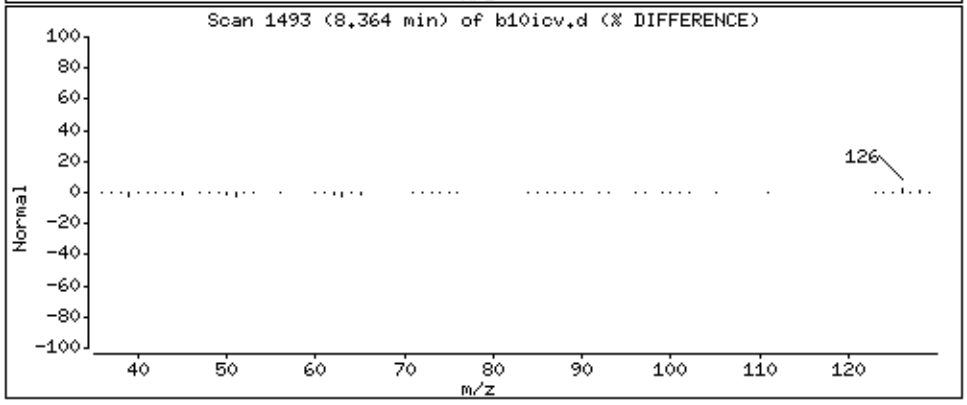












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

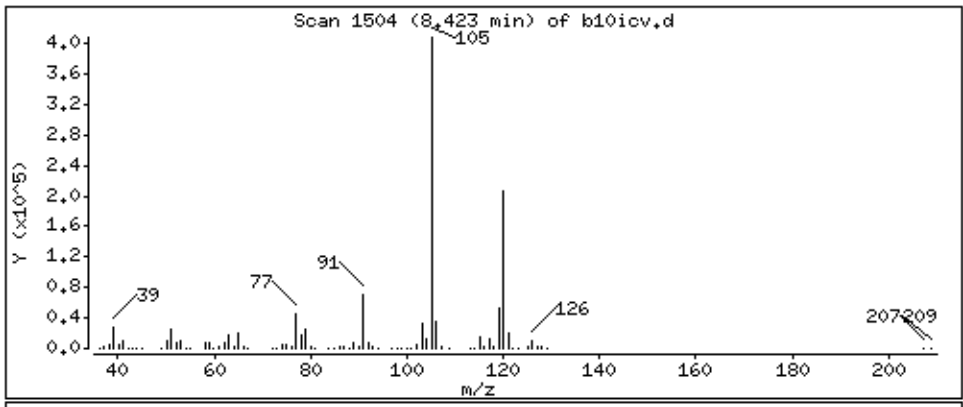
Column phase: DB-624

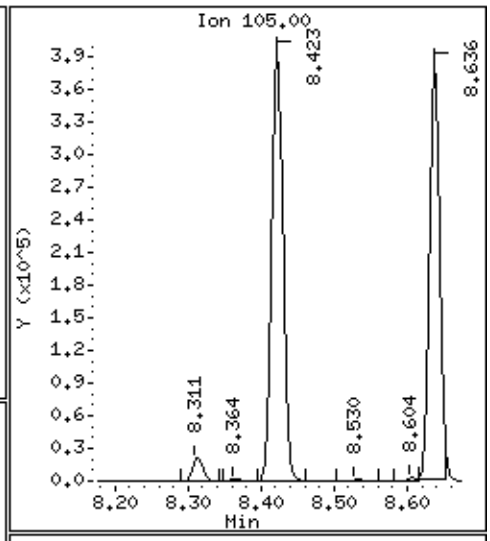
Column diameter: 0.18

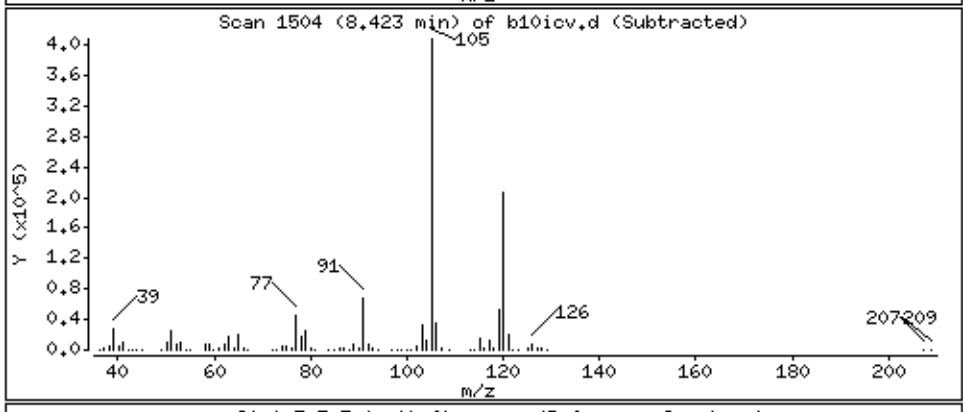
81 1,3,5-Trimethylbenzene

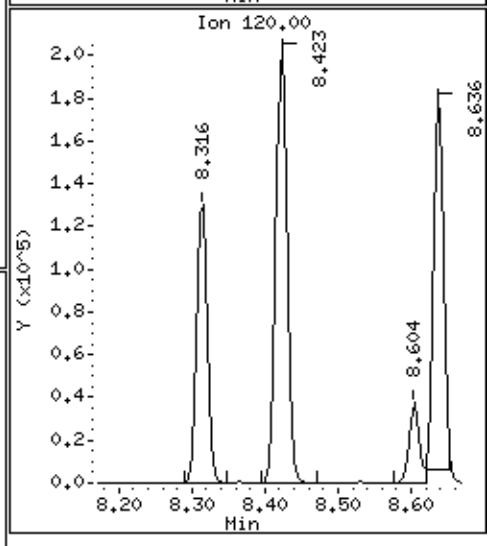
Concentration: 50.3 ppb

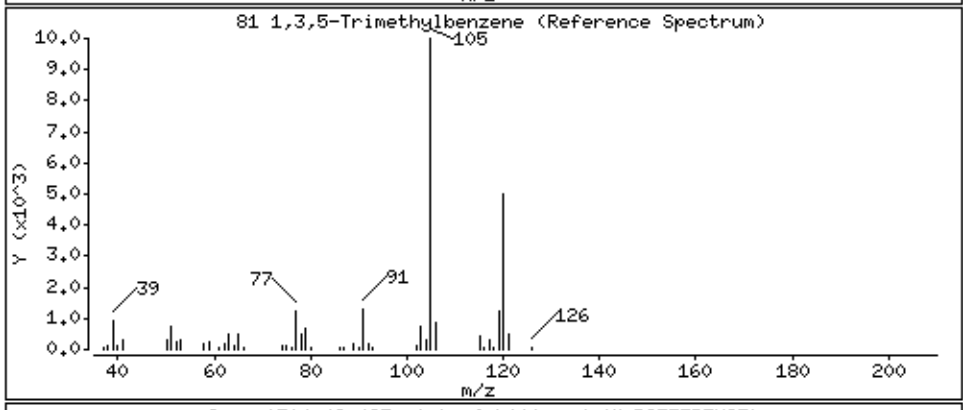
Review Code:

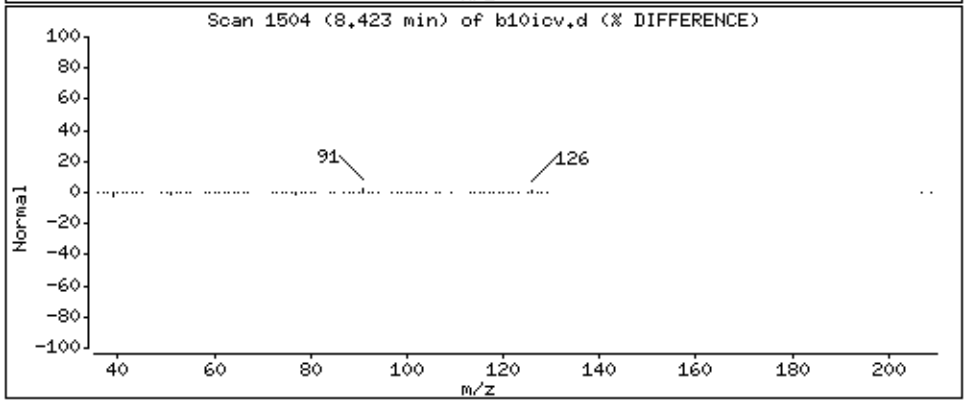












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

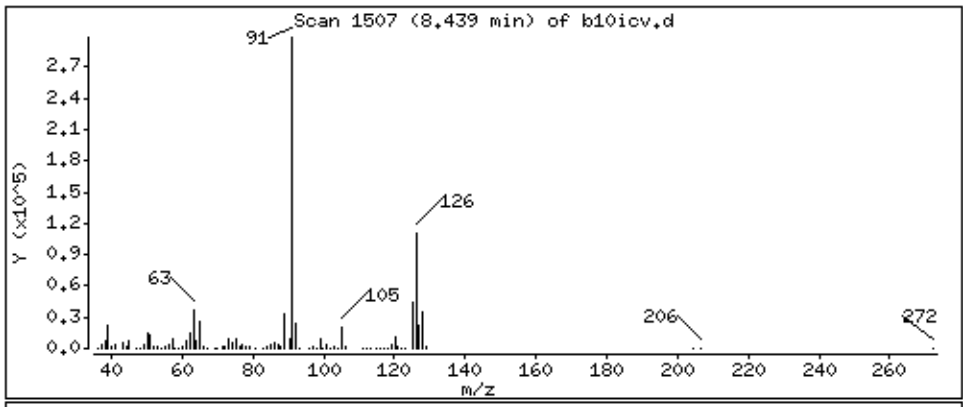
Column phase: DB-624

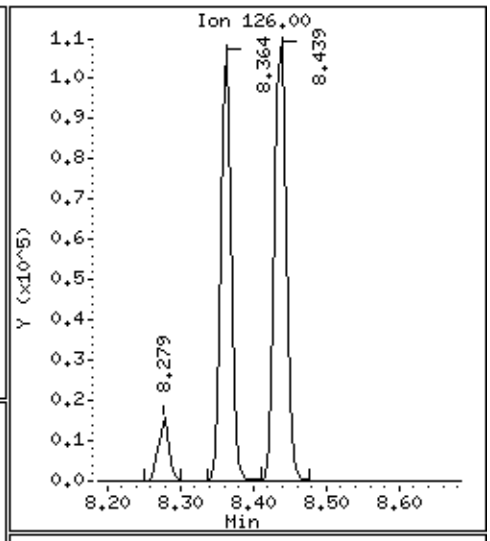
Column diameter: 0.18

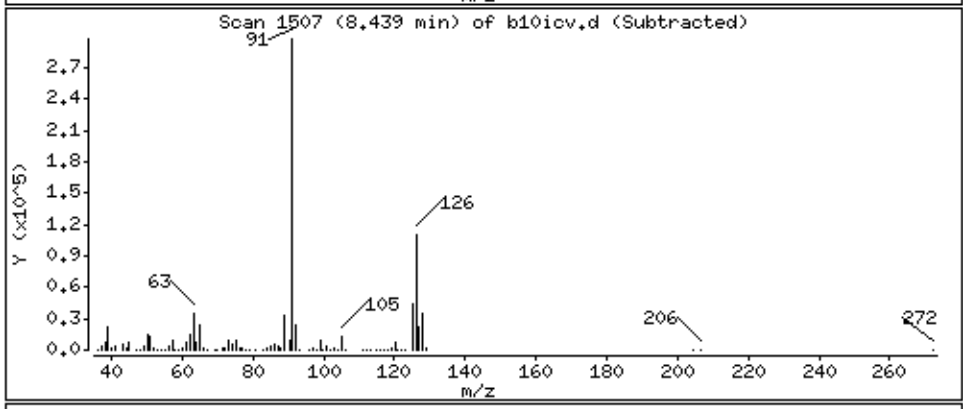
82 4-Chlorotoluene

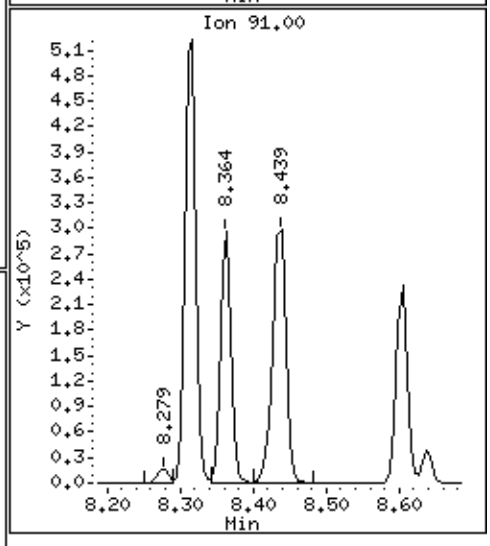
Concentration: 50.2 ppb

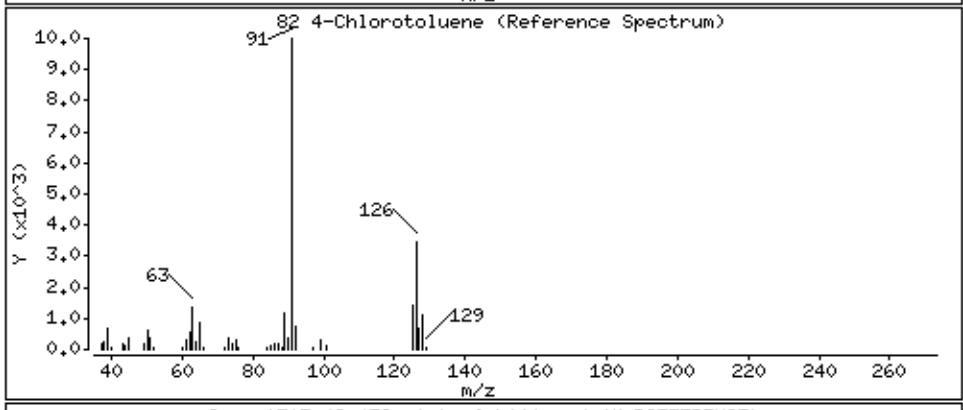
Review Code:

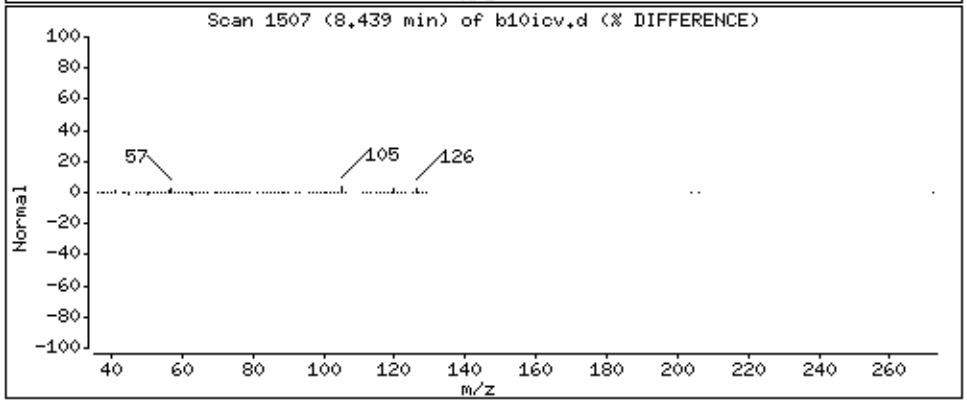












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Page 83

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

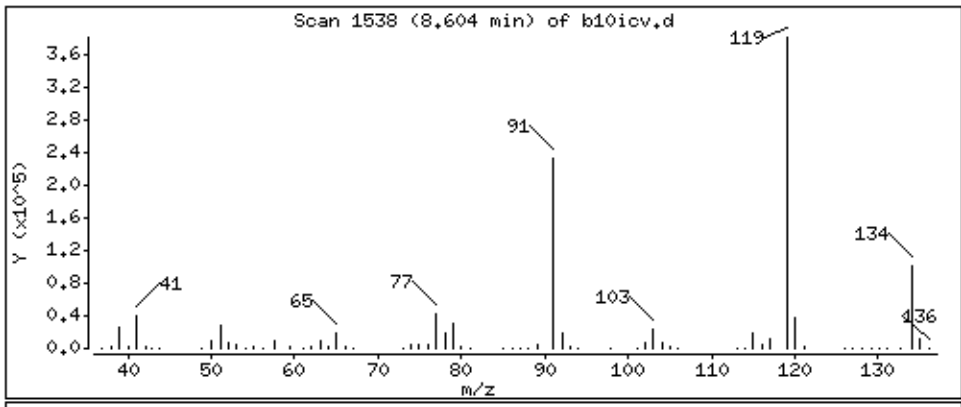
Column phase: DB-624

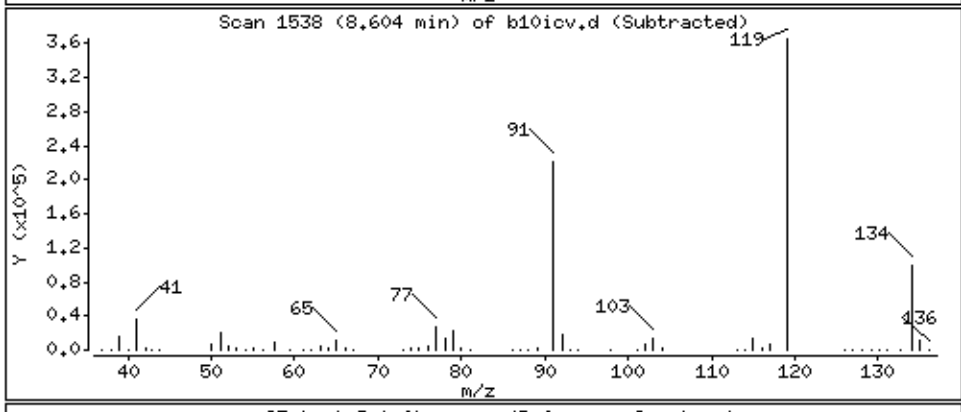
Column diameter: 0.18

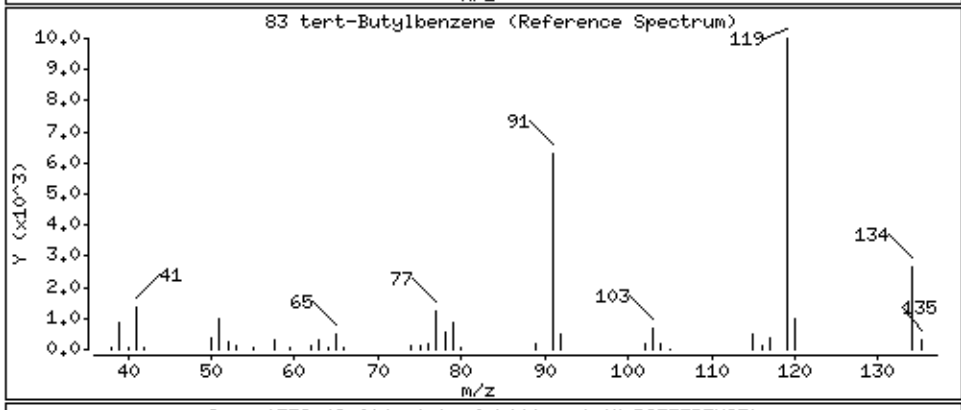
83 tert-Butylbenzene

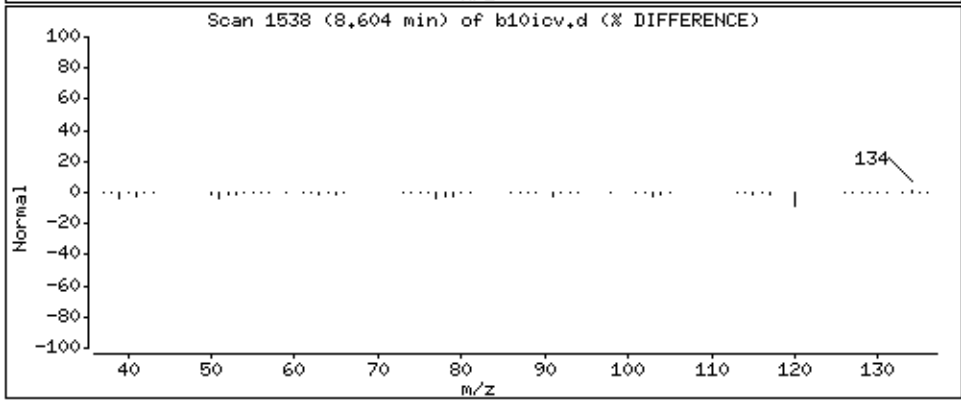
Concentration: 40.9 ppb

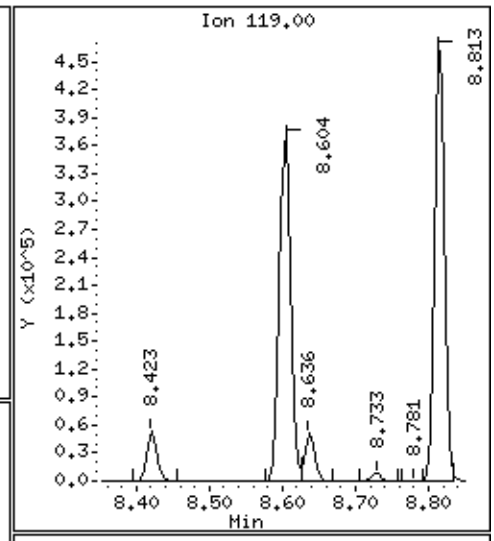
Review Code:

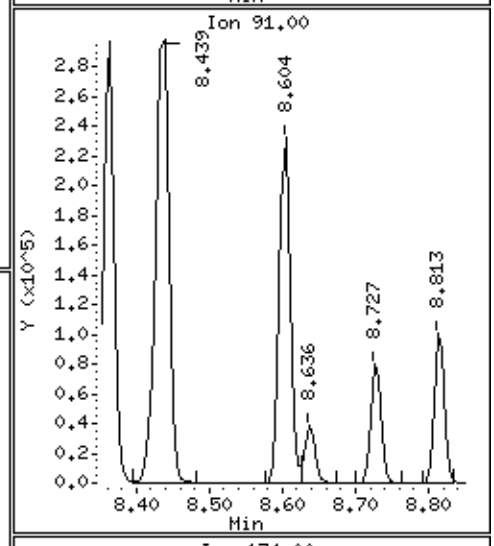


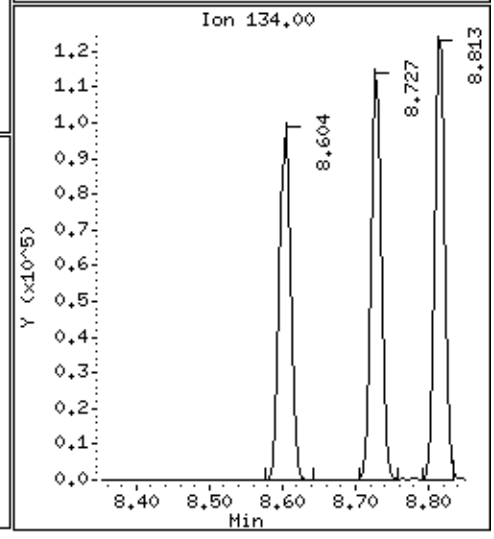












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Page 84

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

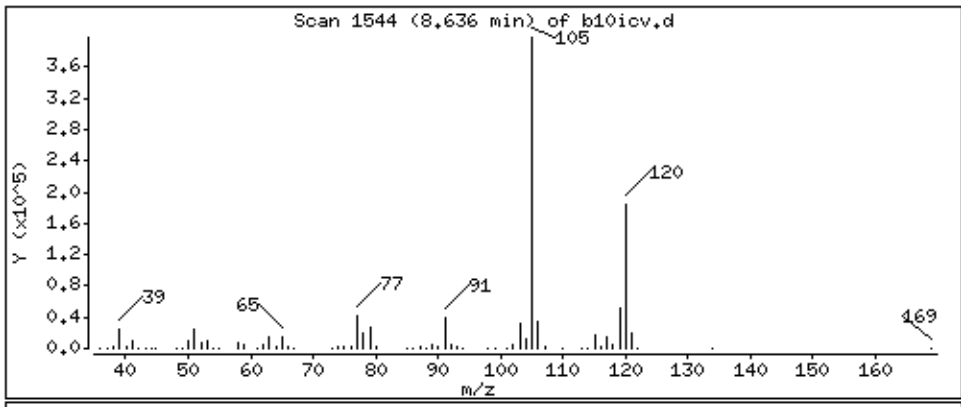
Column phase: DB-624

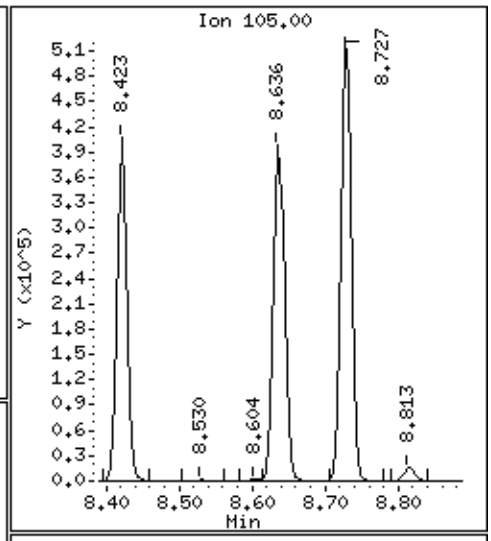
Column diameter: 0.18

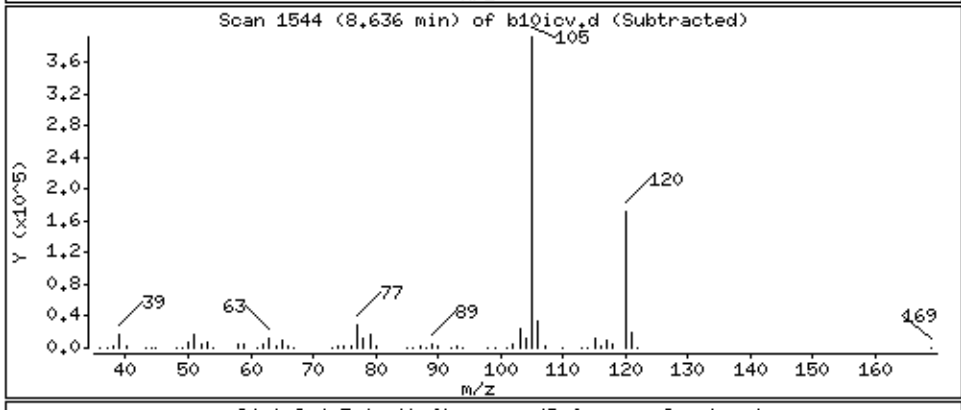
84 1,2,4-Trimethylbenzene

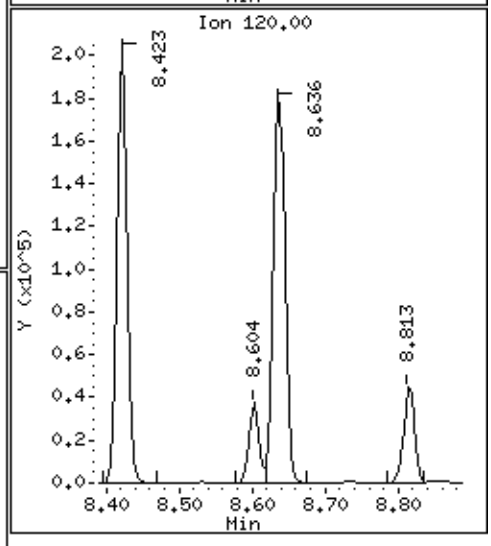
Concentration: 50.4 ppb

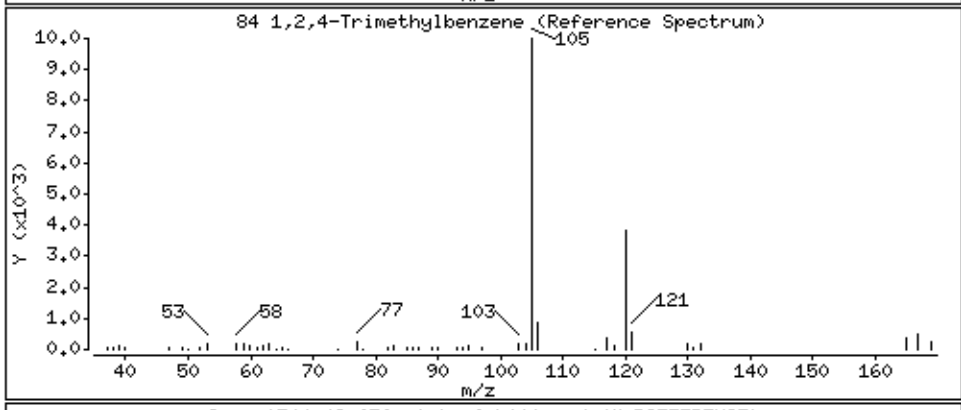
Review Code:

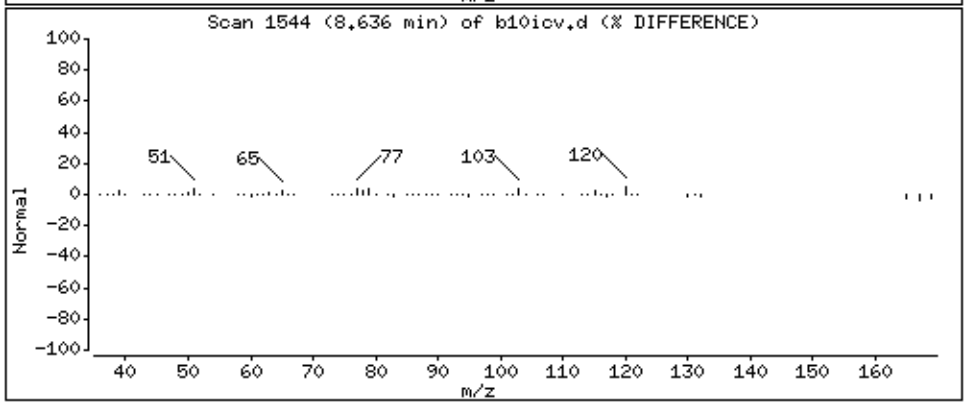












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

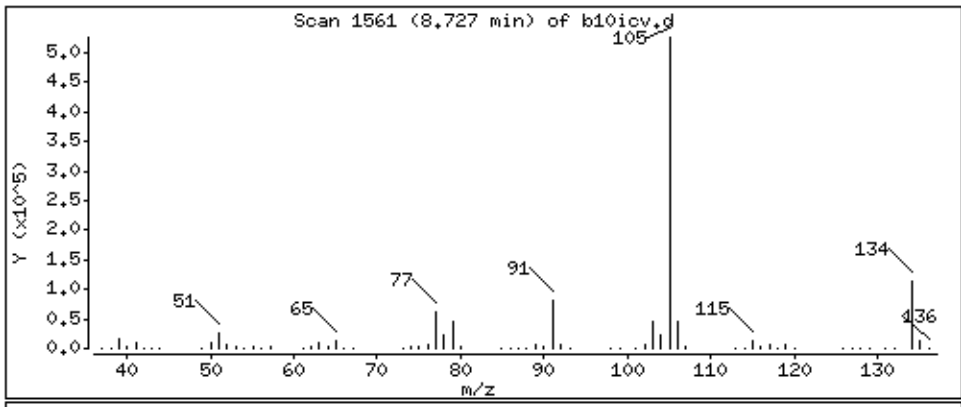
Column phase: DB-624

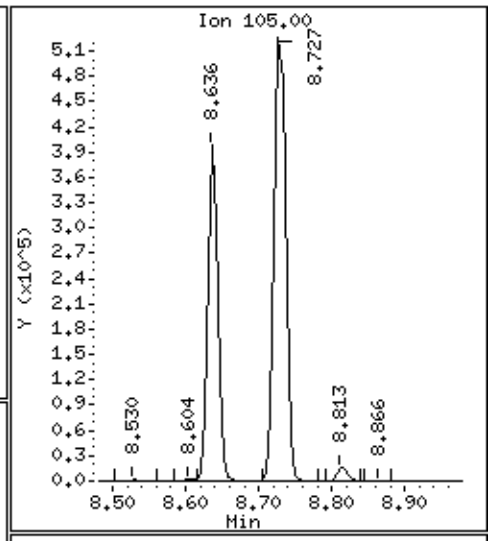
Column diameter: 0.18

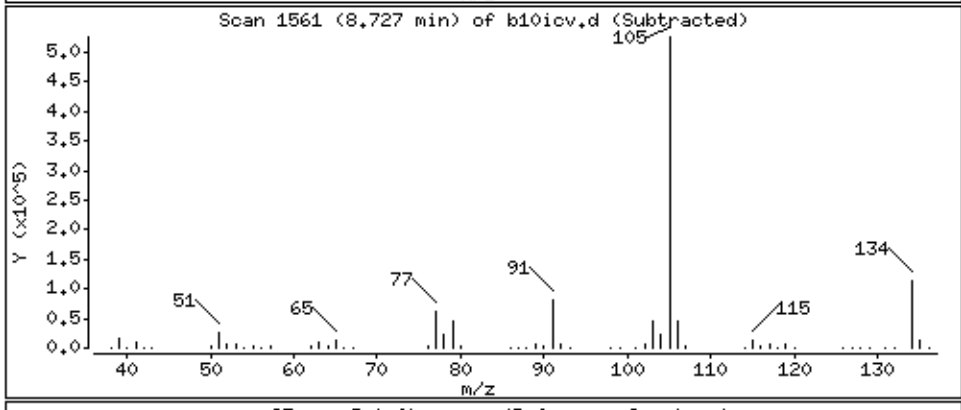
85 sec-Butylbenzene

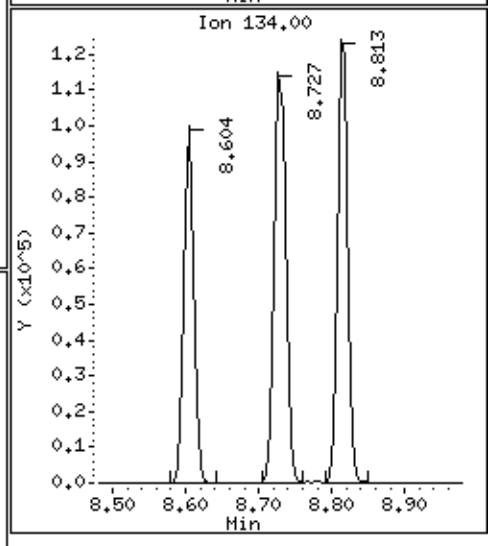
Concentration: 52.7 ppb

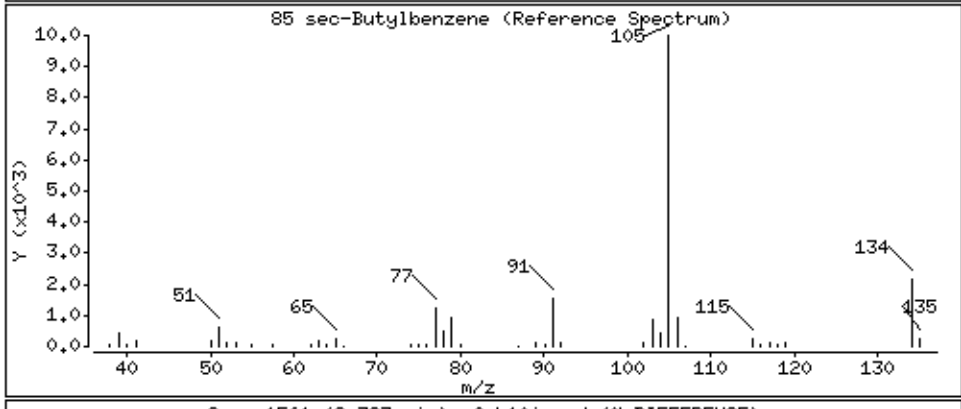
Review Code:

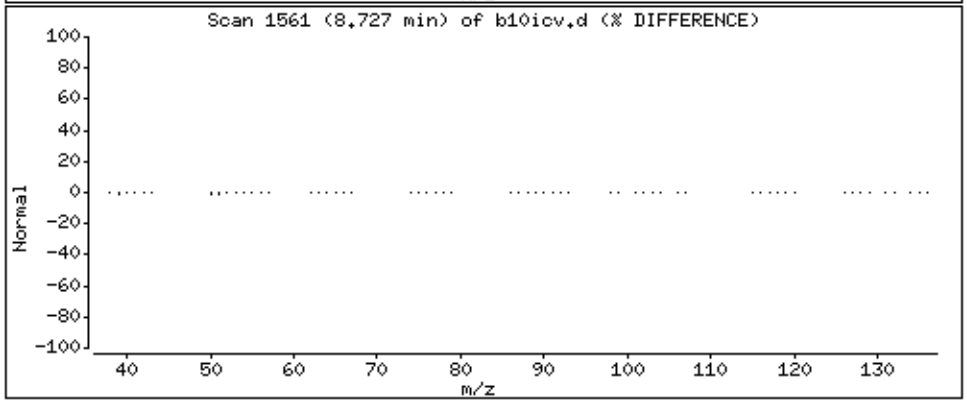












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

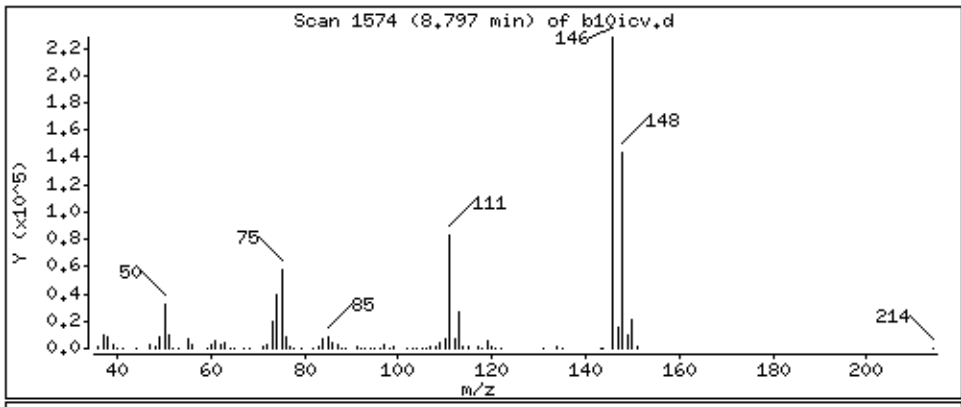
Column phase: DB-624

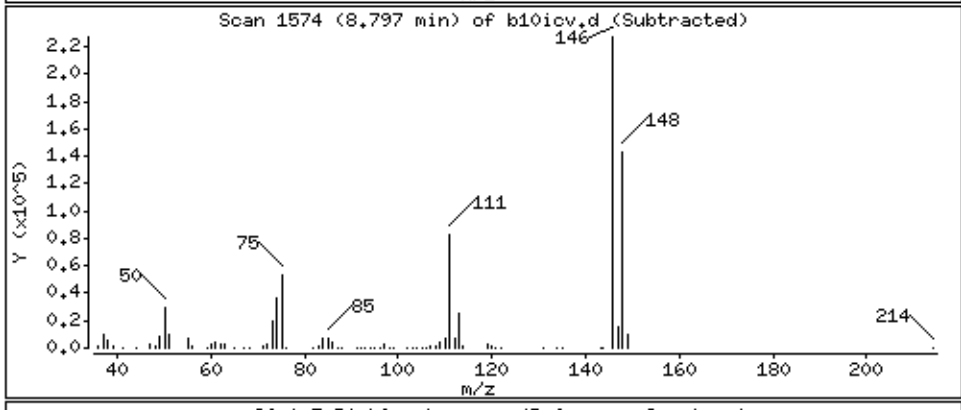
Column diameter: 0.18

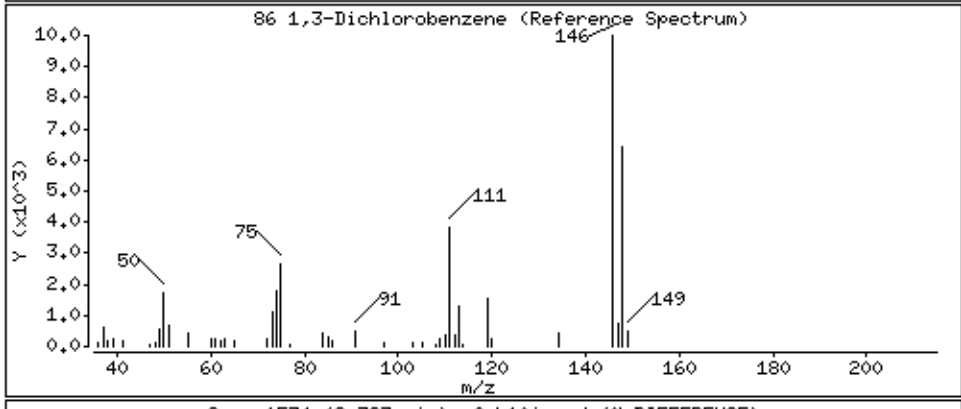
86 1,3-Dichlorobenzene

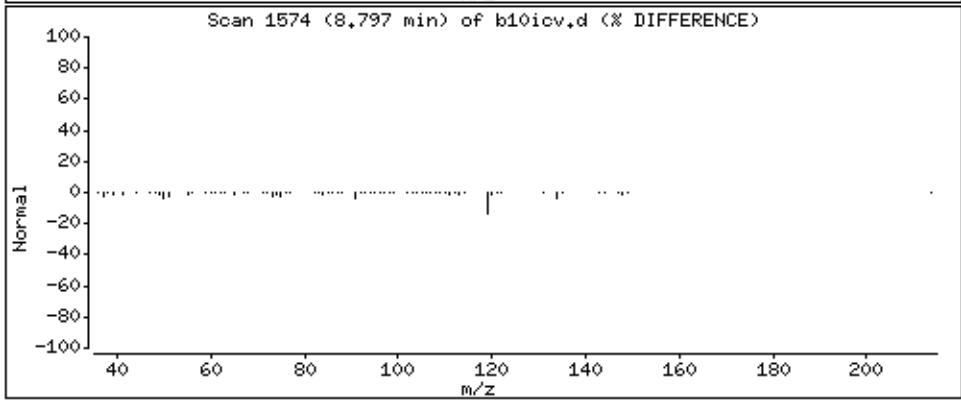
Concentration: 51.2 ppb

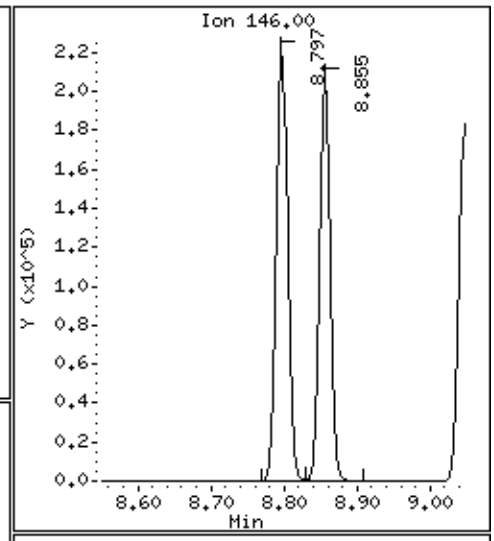
Review Code:

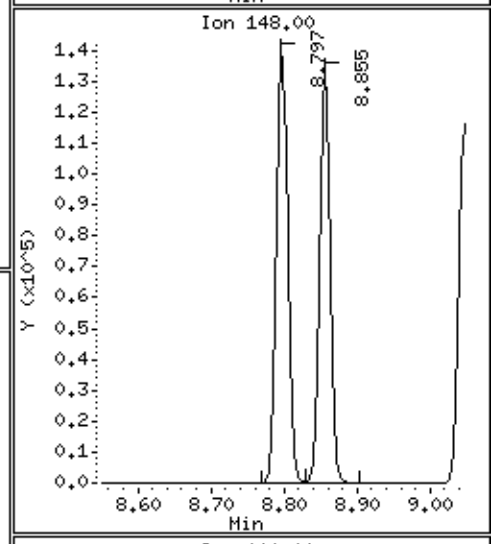


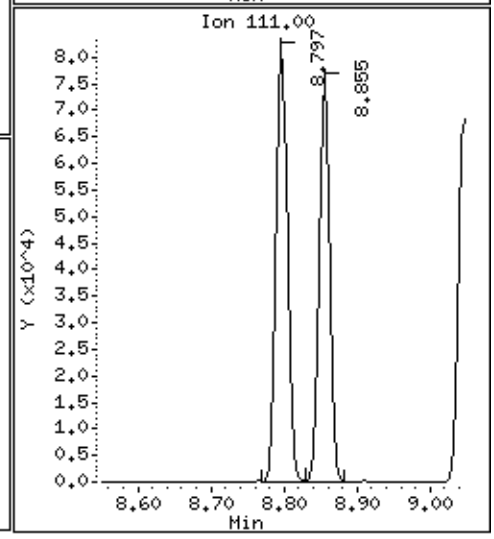












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

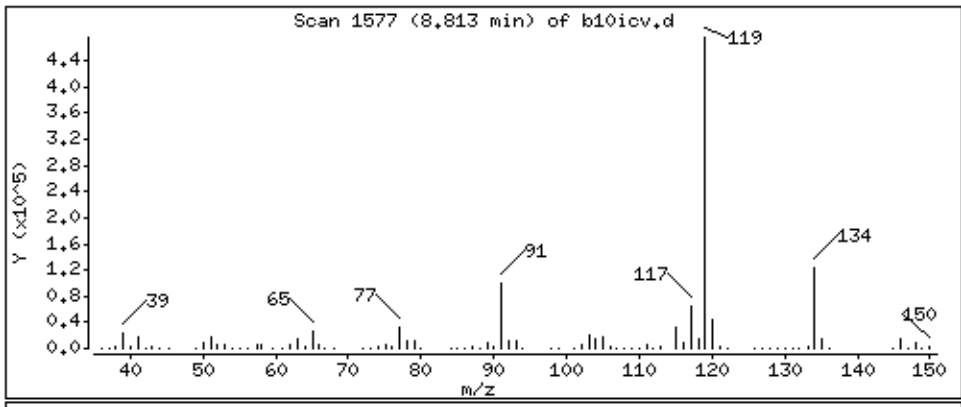
Column phase: DB-624

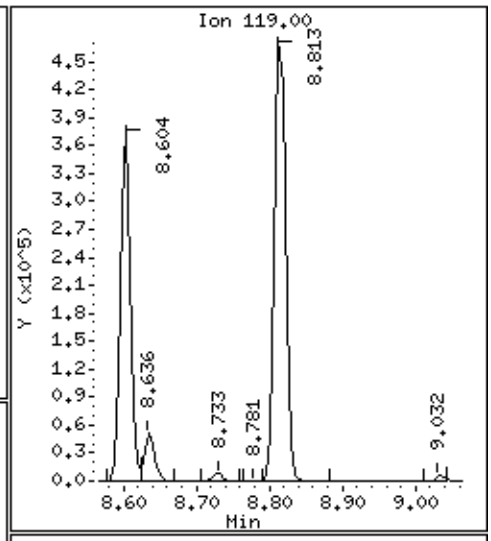
Column diameter: 0.18

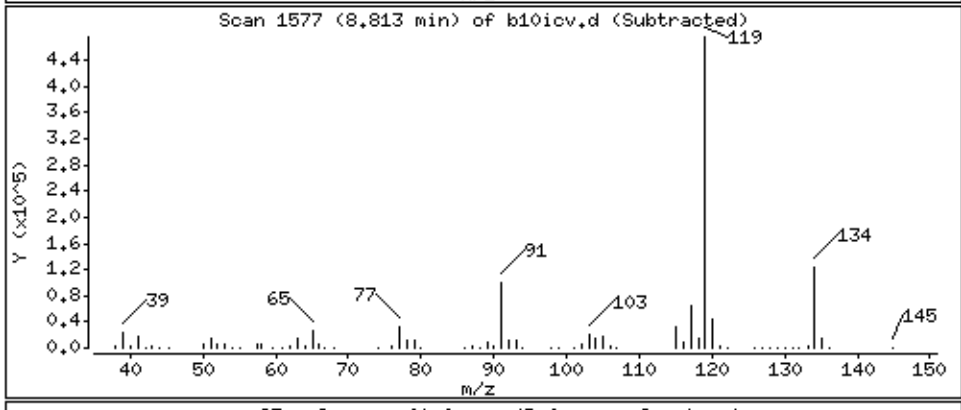
87 p-Isopropyltoluene

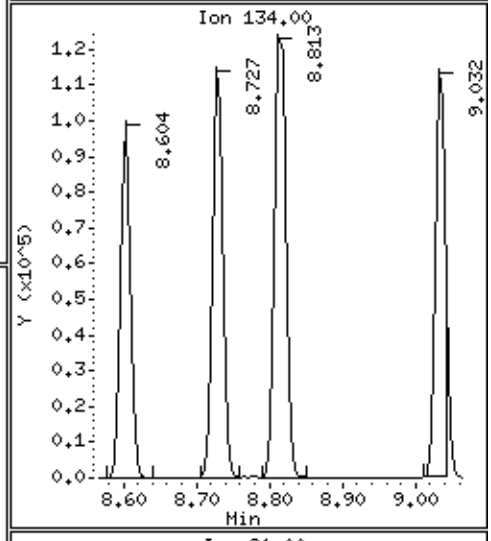
Concentration: 51.6 ppb

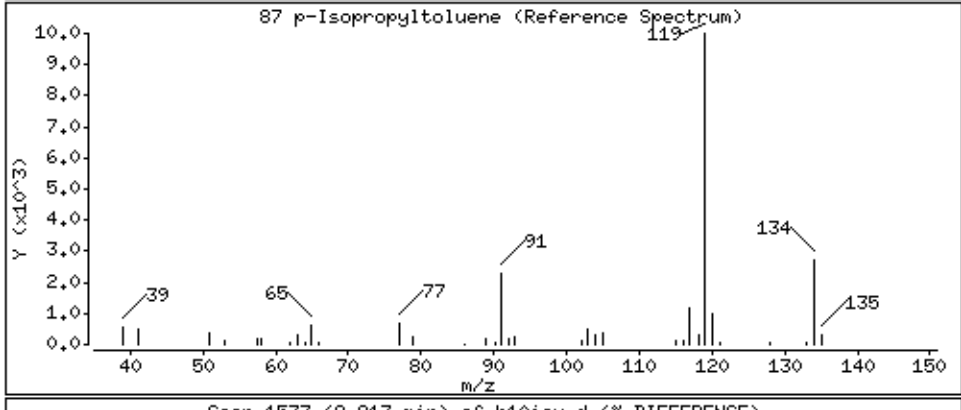
Review Code:

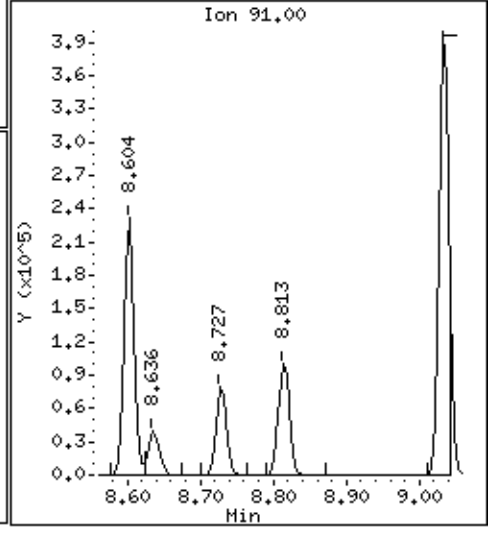


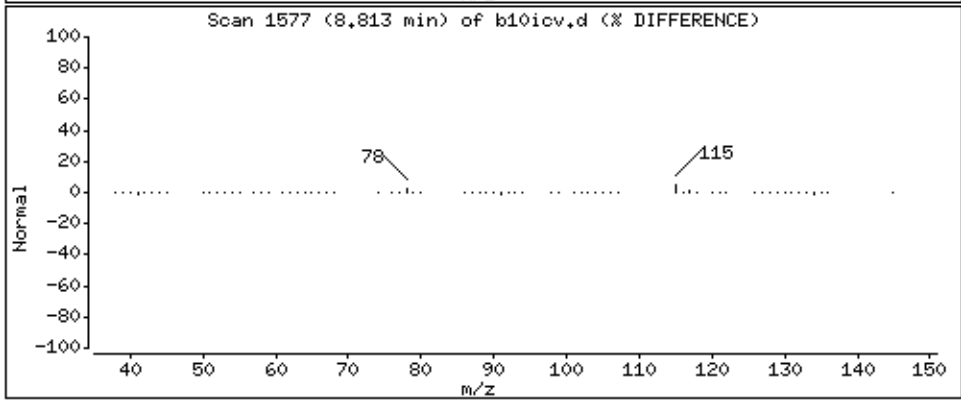












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

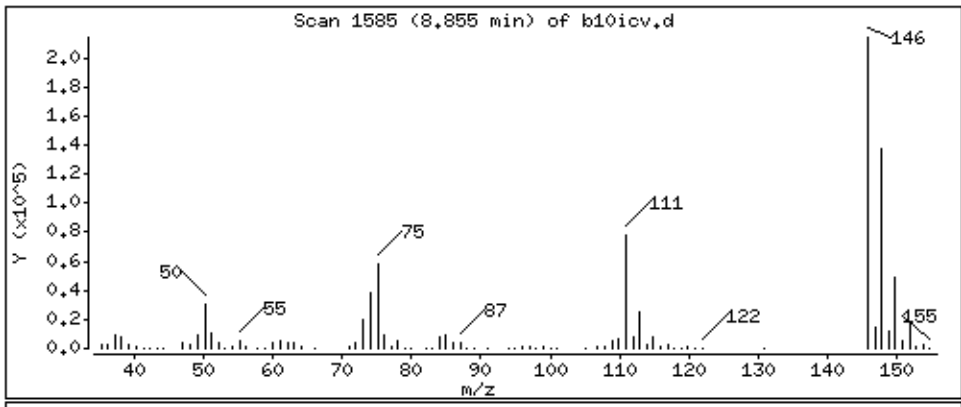
Column phase: DB-624

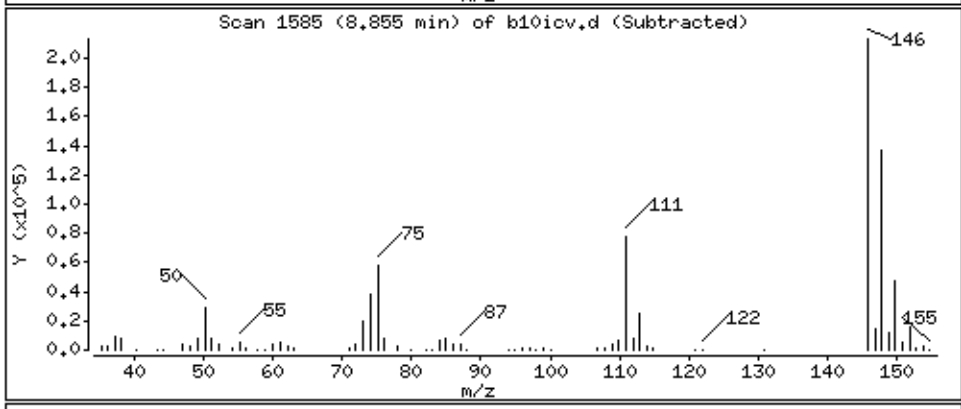
Column diameter: 0.18

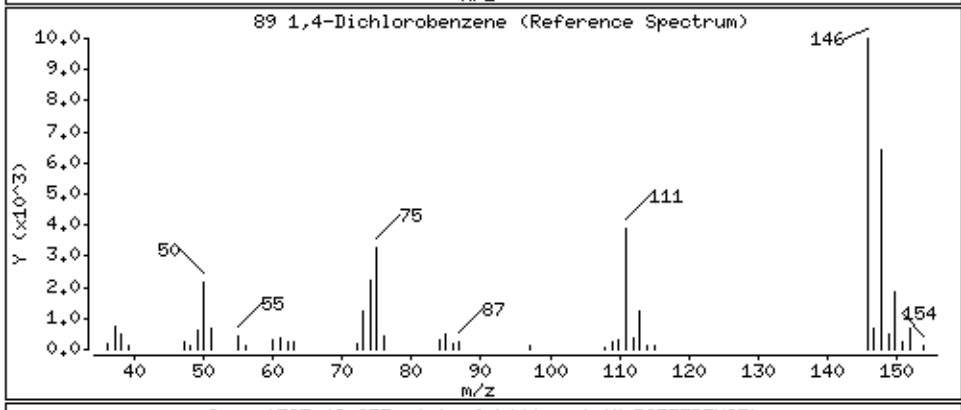
89 1,4-Dichlorobenzene

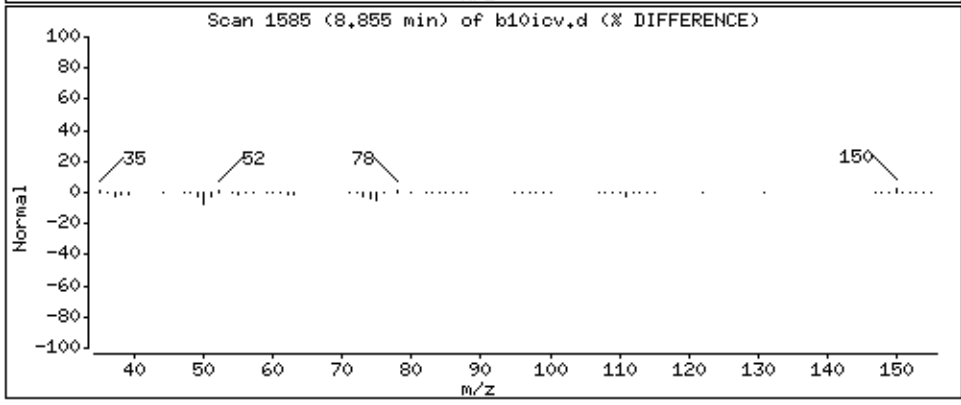
Concentration: 48.9 ppb

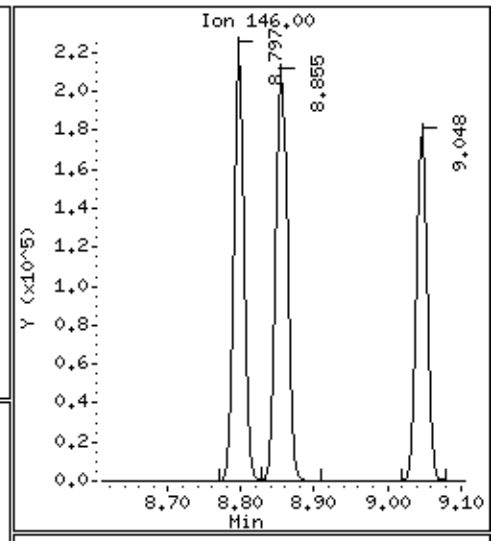
Review Code:

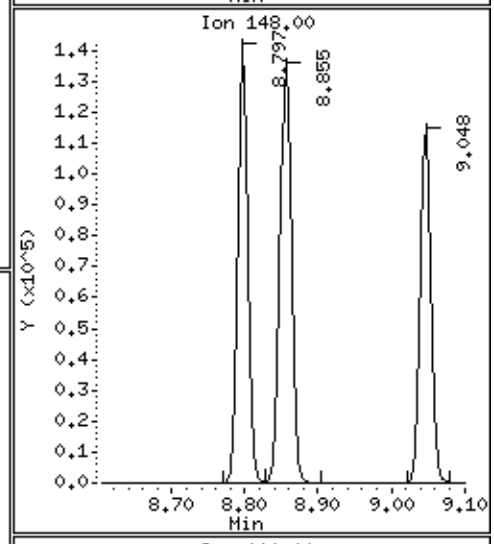


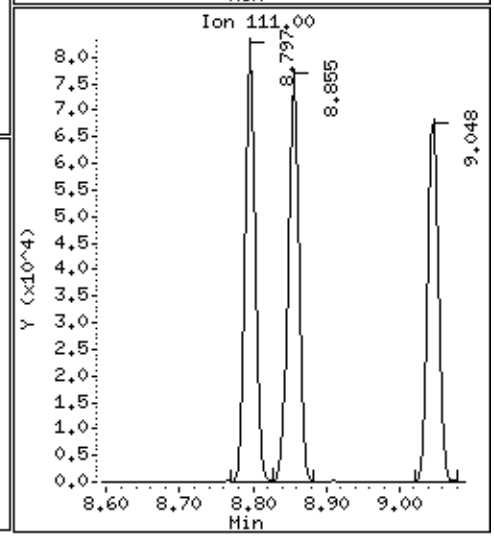












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

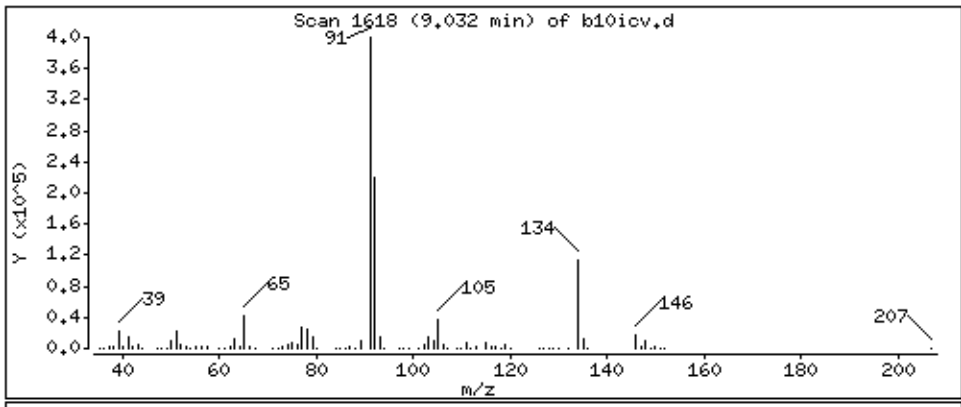
Column phase: DB-624

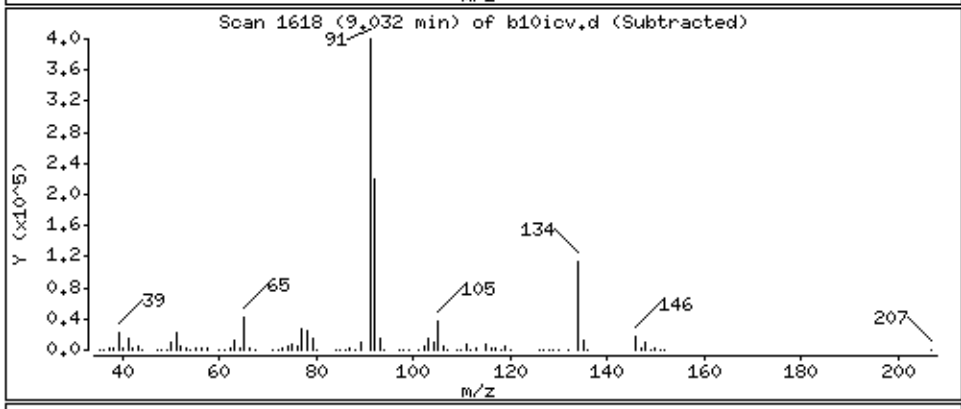
Column diameter: 0.18

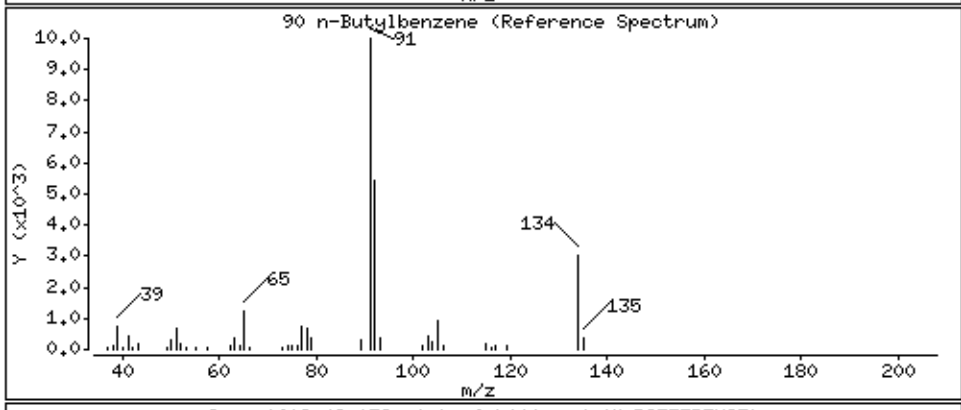
90 n-Butylbenzene

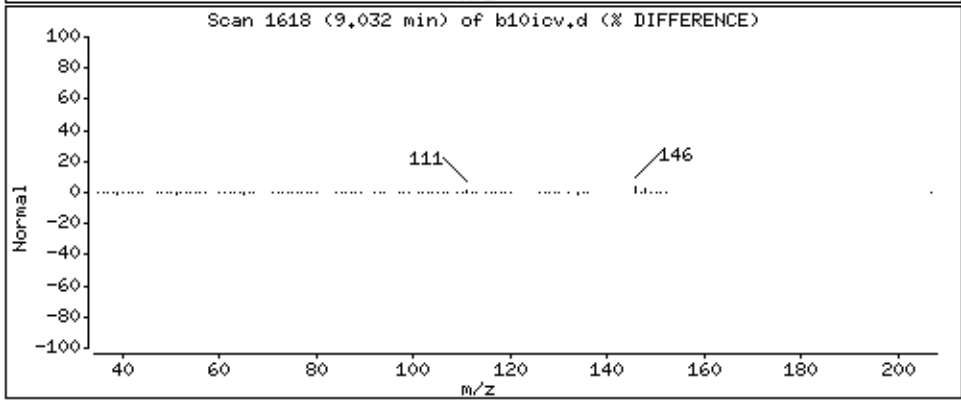
Concentration: 49.8 ppb

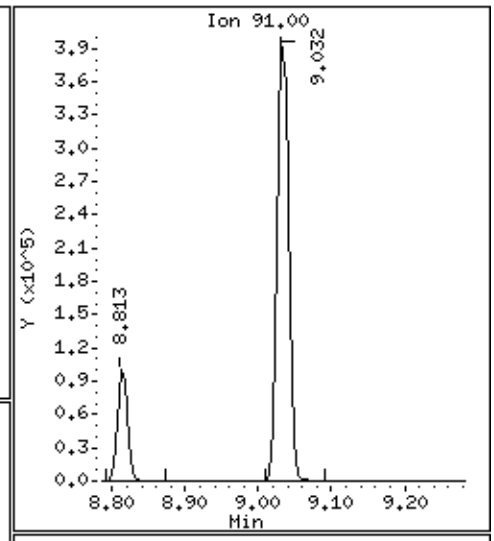
Review Code:

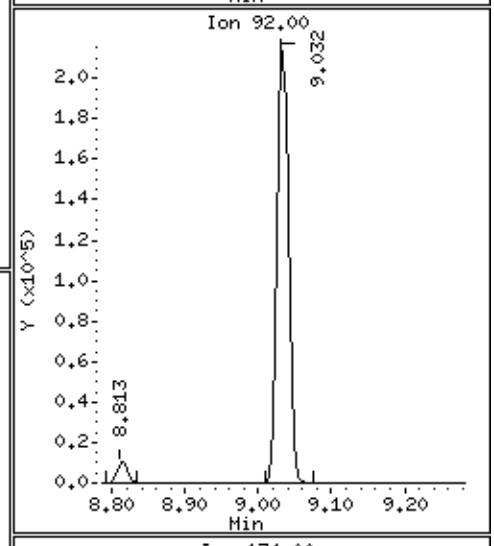


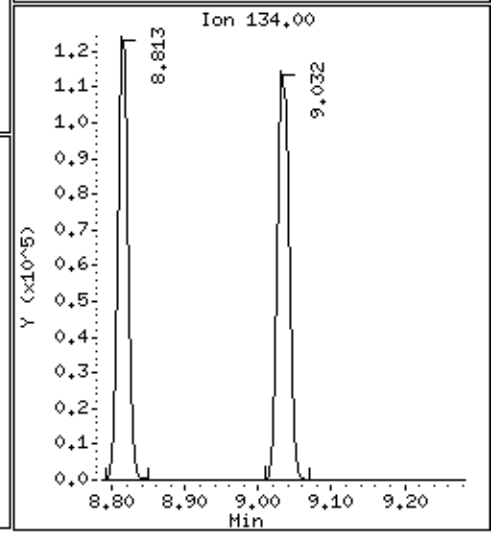












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

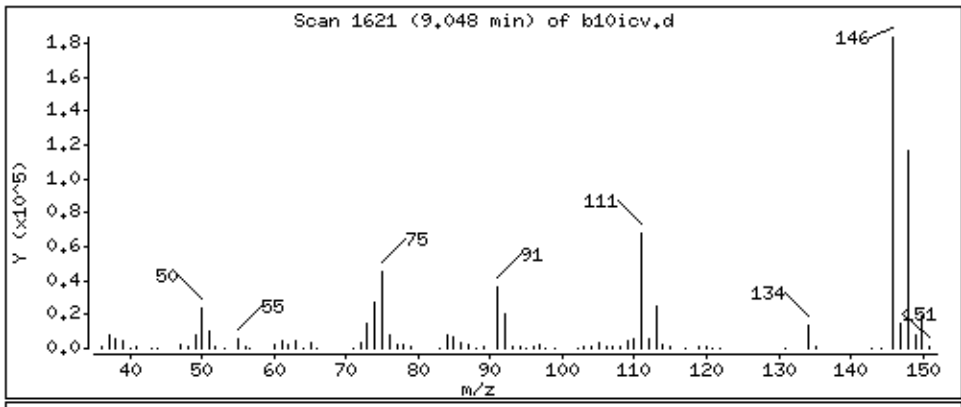
Column phase: DB-624

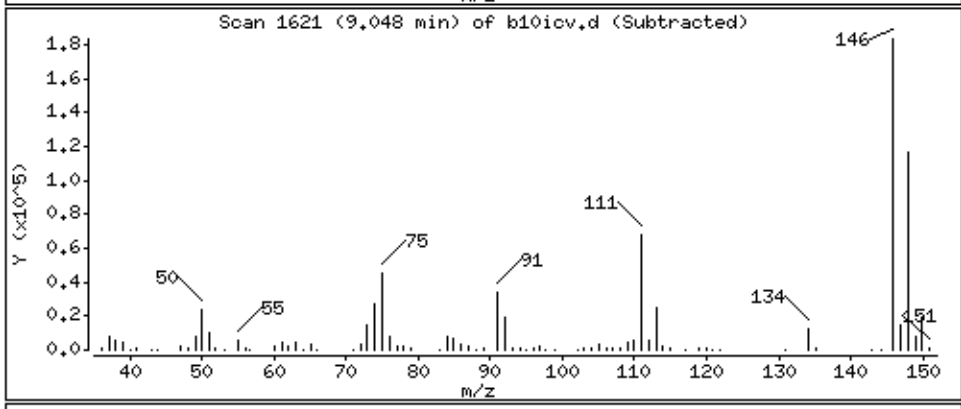
Column diameter: 0.18

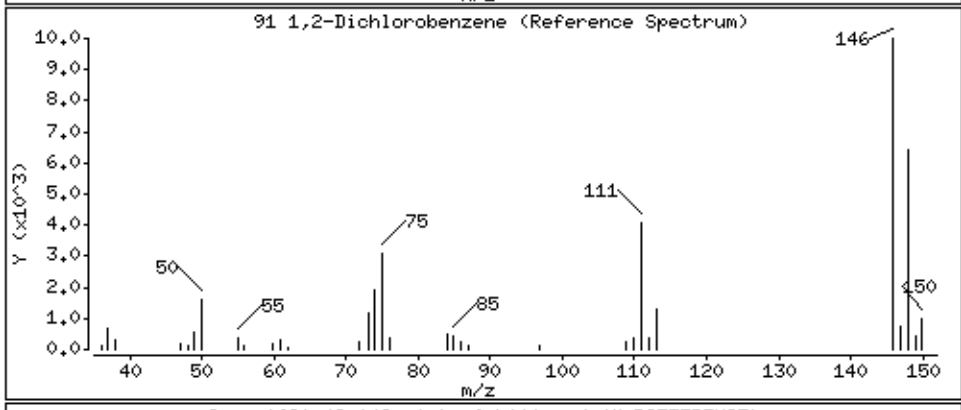
91 1,2-Dichlorobenzene

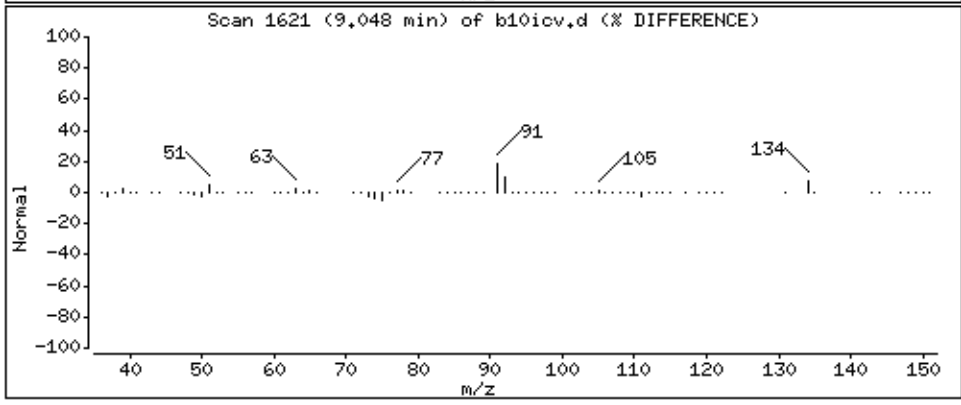
Concentration: 48.7 ppb

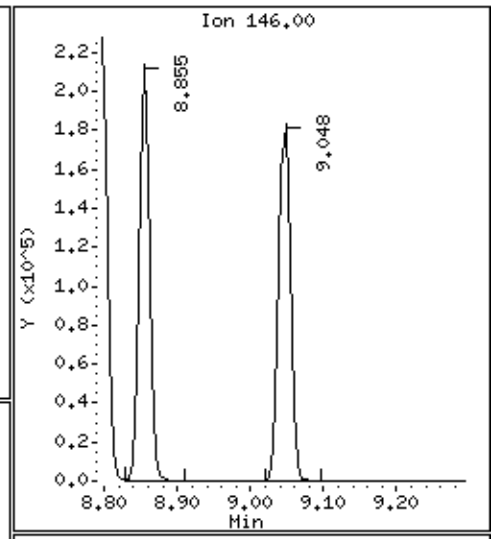
Review Code:

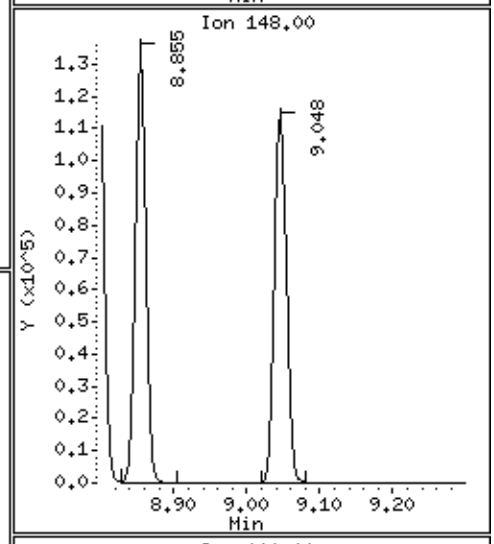


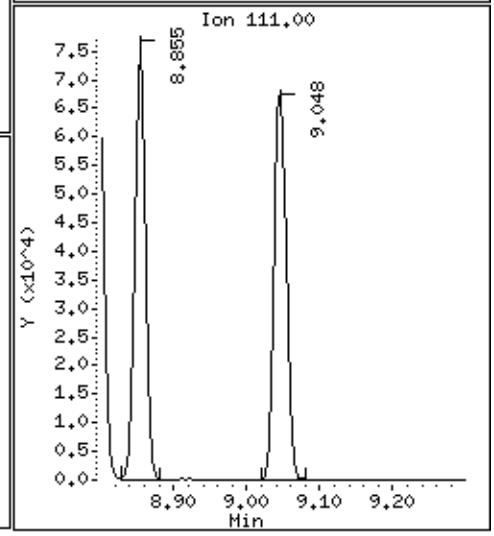












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

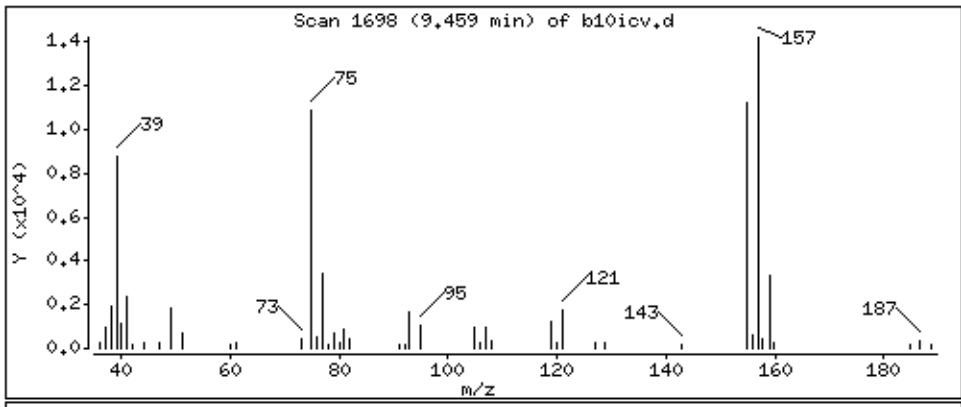
Column phase: DB-624

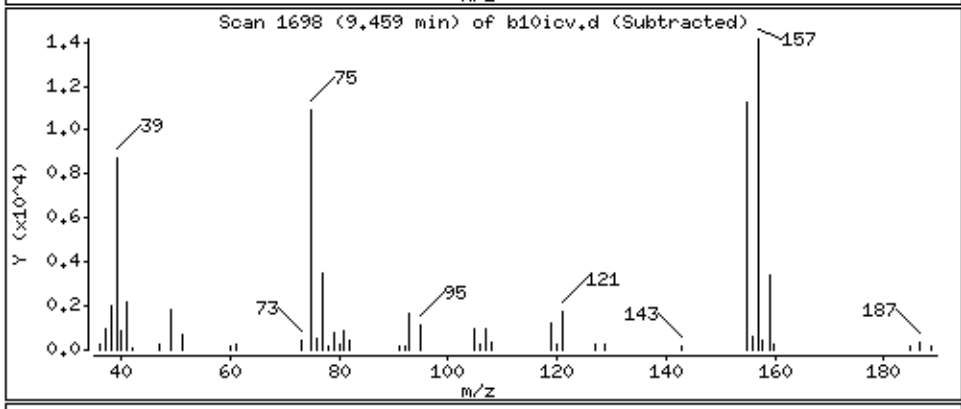
Column diameter: 0.18

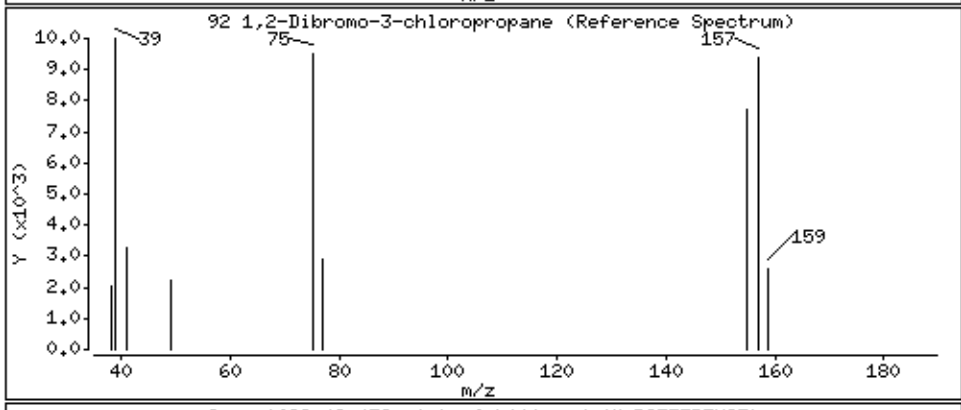
92 1,2-Dibromo-3-chloropropane

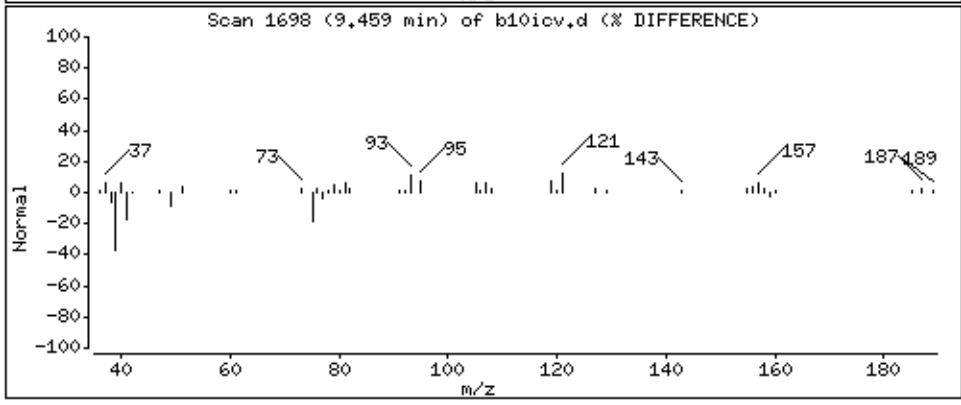
Concentration: 47.8 ppb

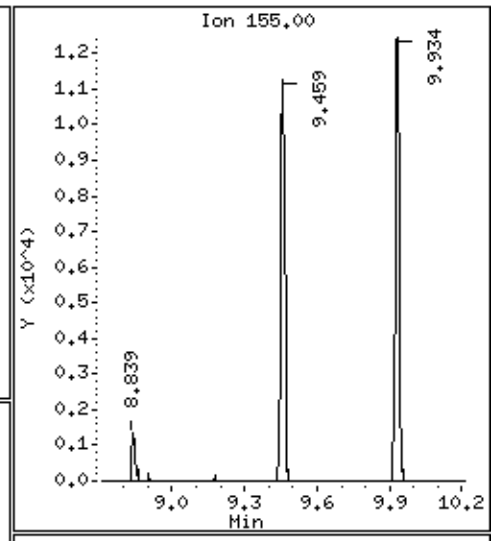
Review Code:

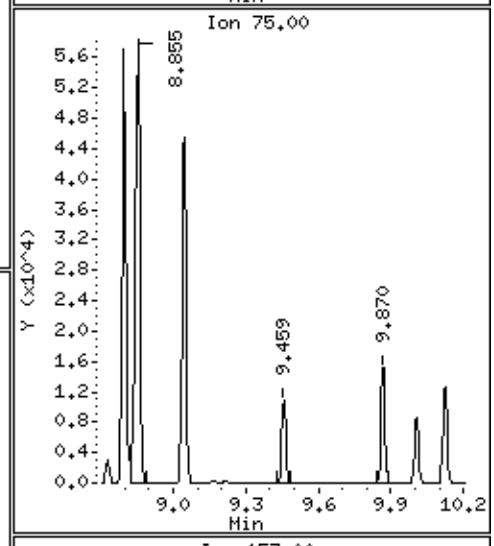


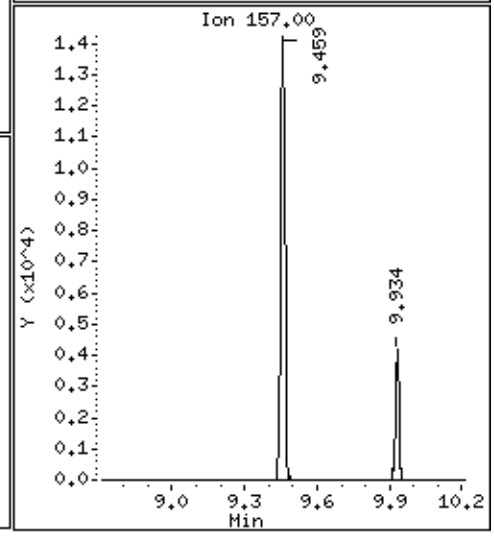












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

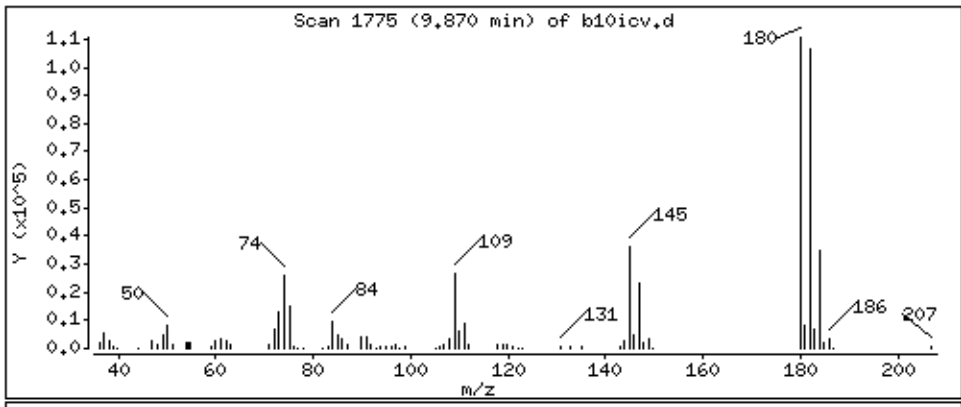
Column phase: DB-624

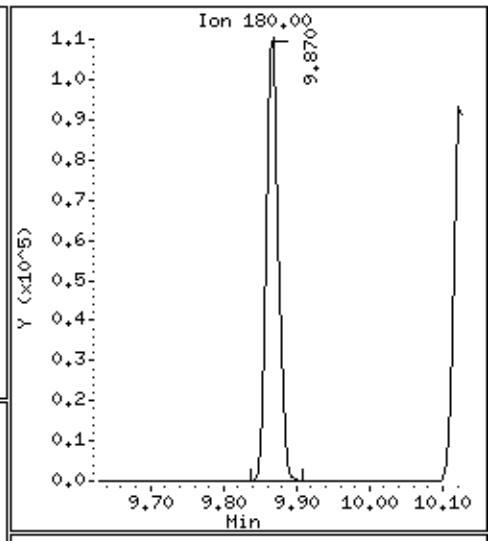
Column diameter: 0.18

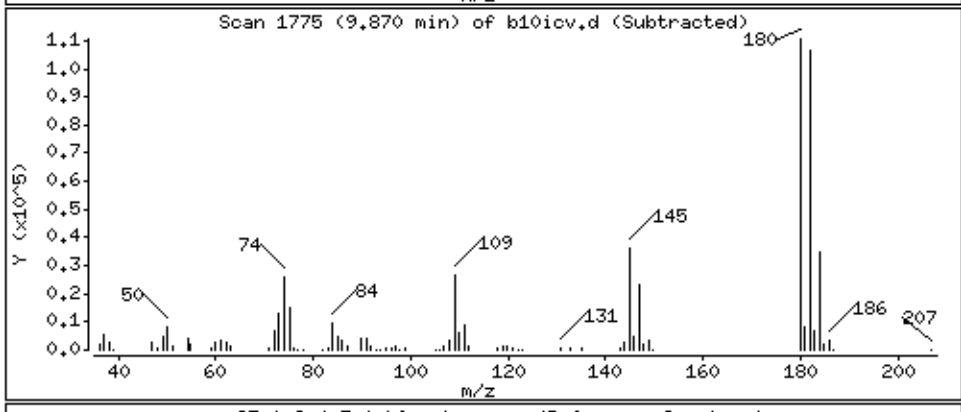
93 1,2,4-Trichlorobenzene

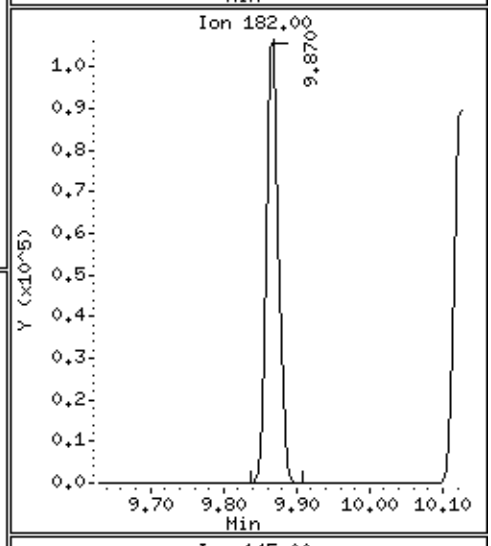
Concentration: 46.4 ppb

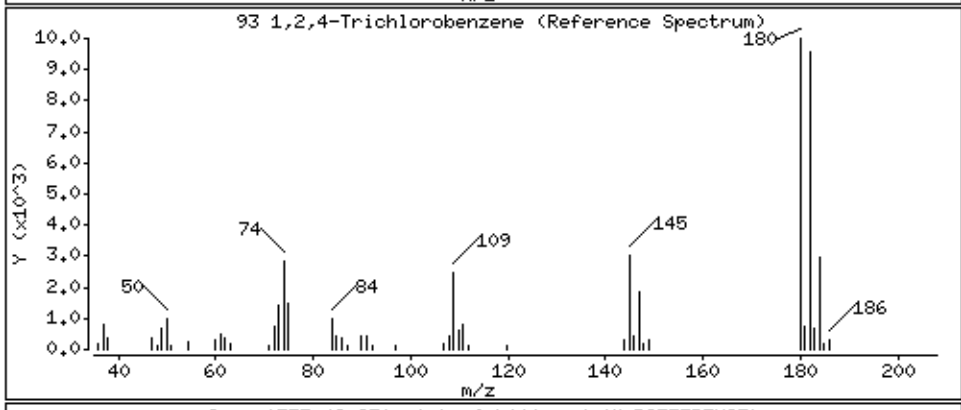
Review Code:

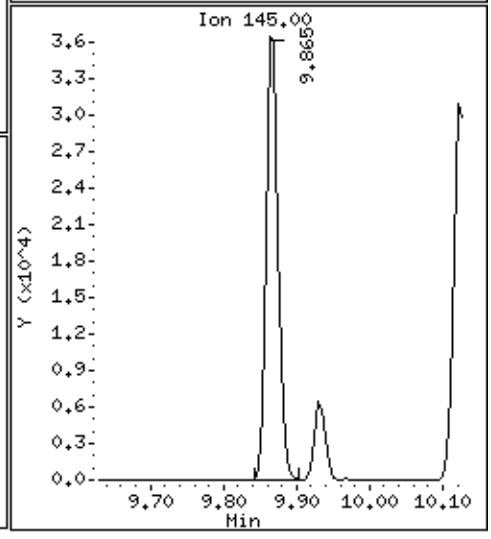


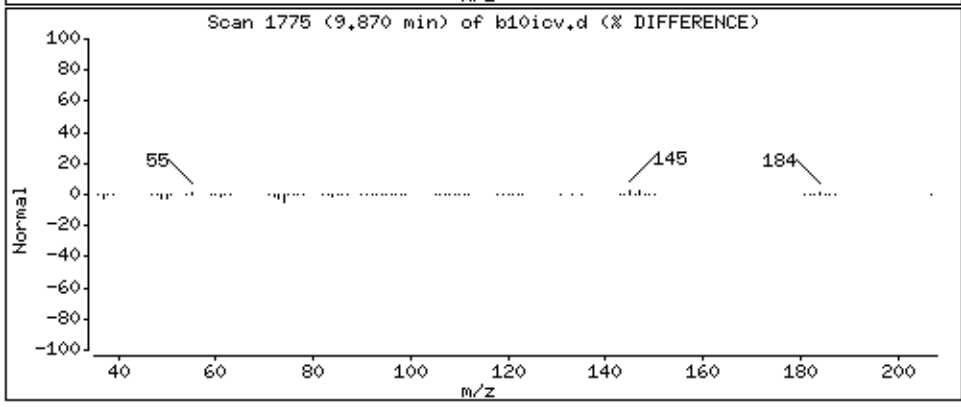












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

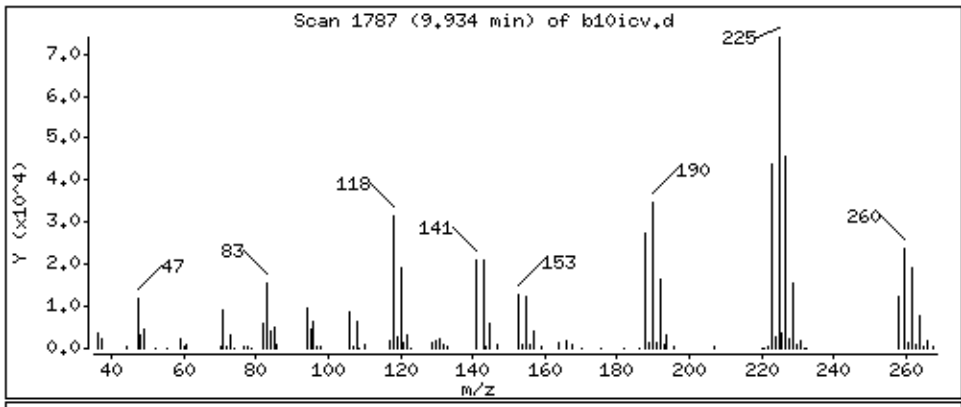
Column phase: DB-624

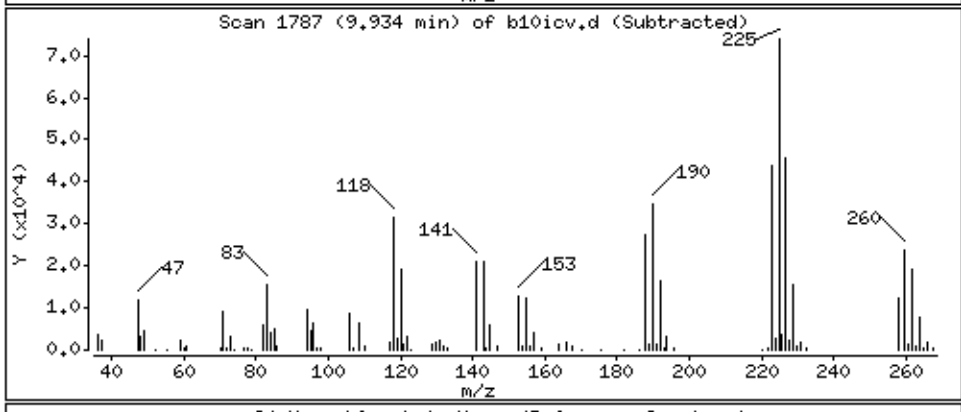
Column diameter: 0.18

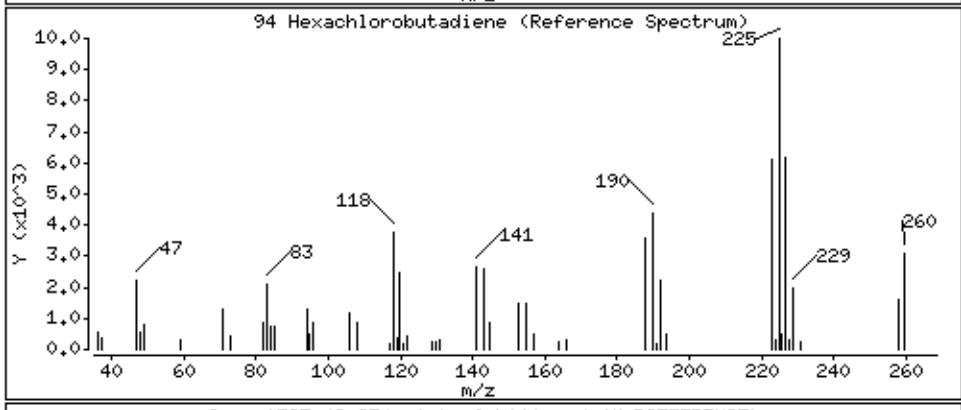
94 Hexachlorobutadiene

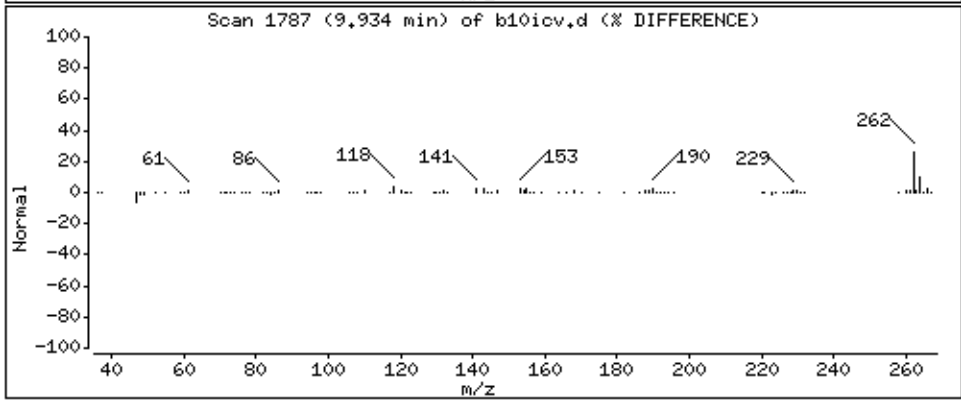
Concentration: 51.6 ppb

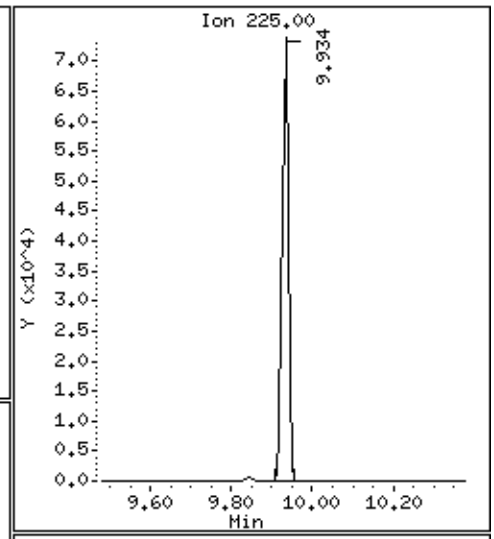
Review Code:

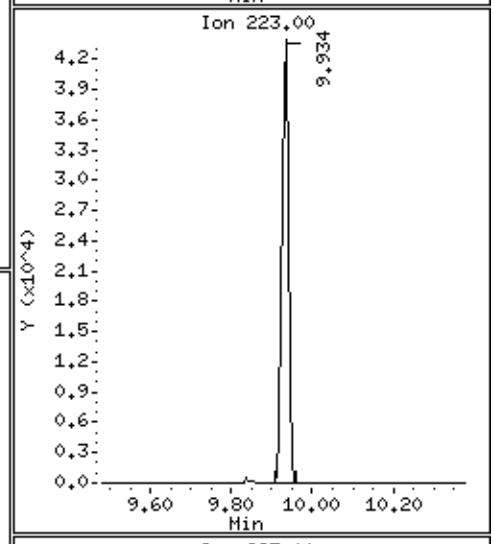


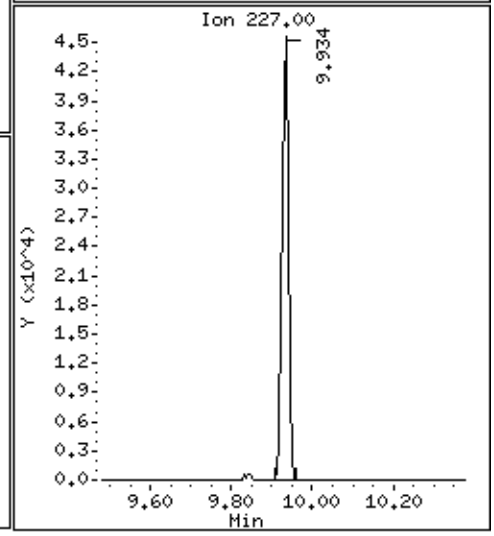












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

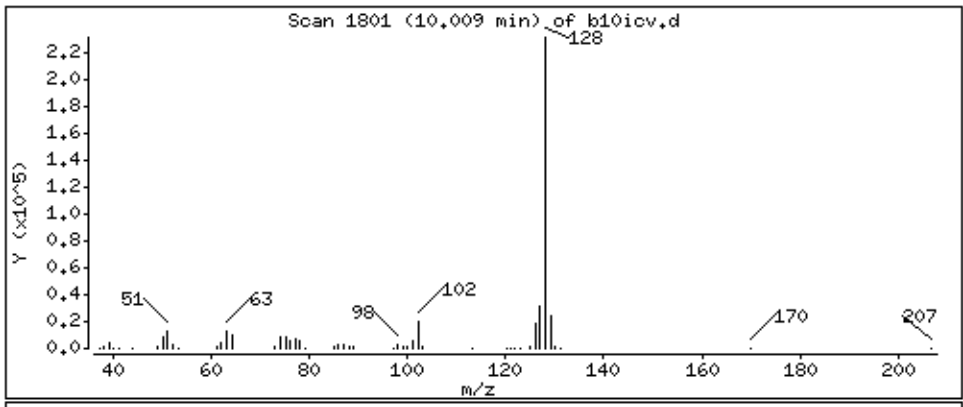
Column phase: DB-624

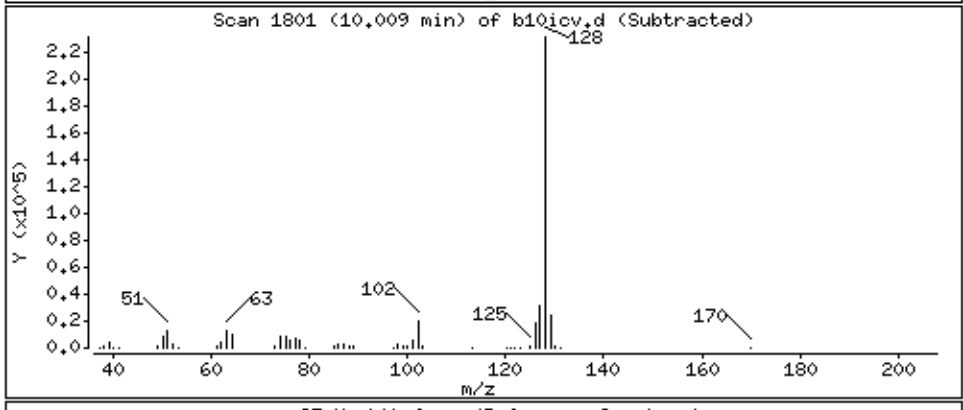
Column diameter: 0.18

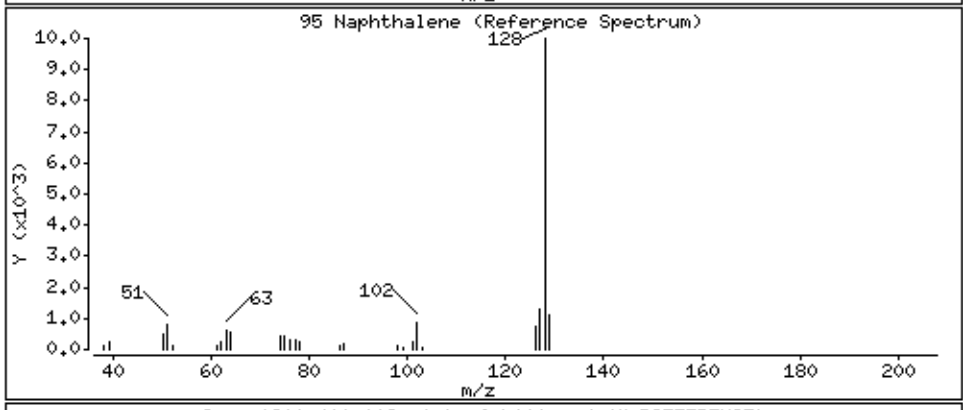
95 Naphthalene

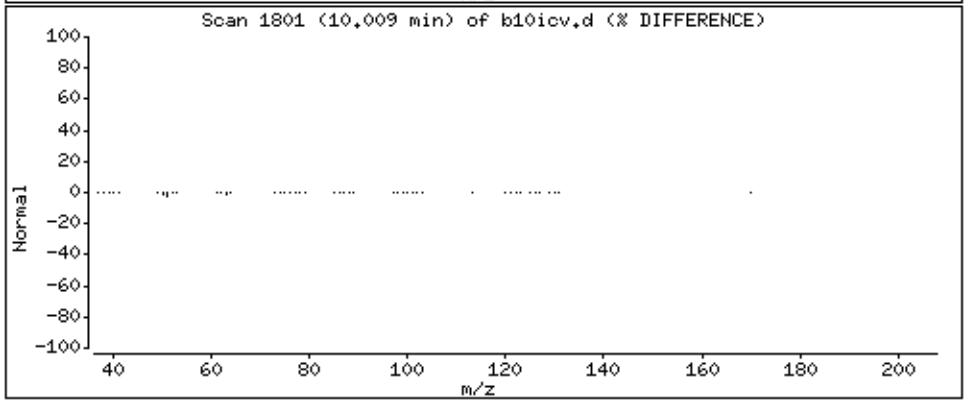
Concentration: 48.3 ppb

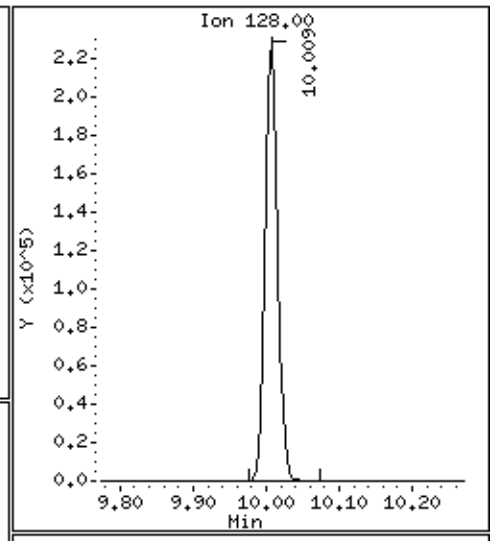
Review Code:

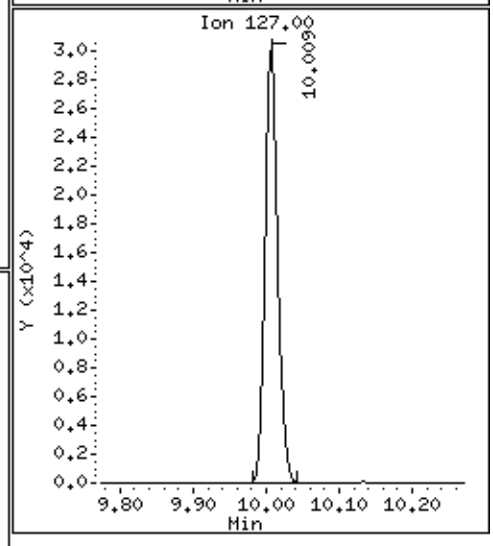












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

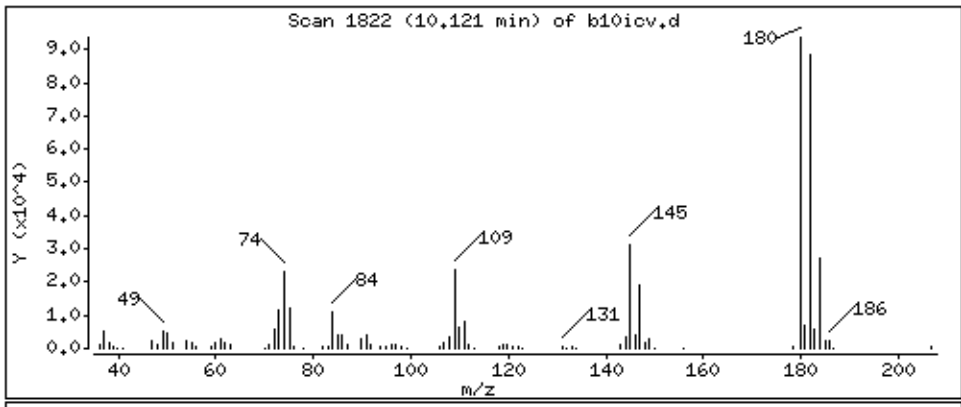
Column phase: DB-624

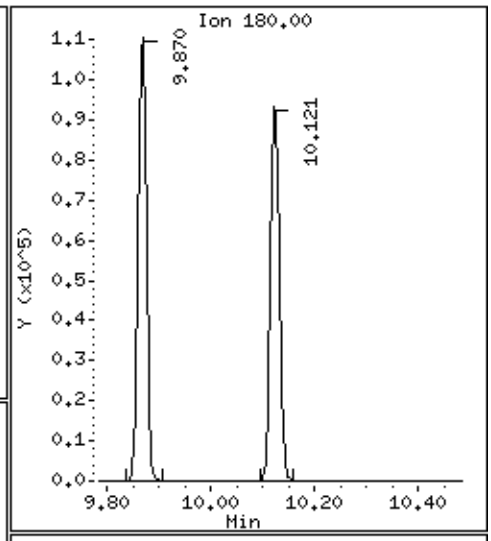
Column diameter: 0.18

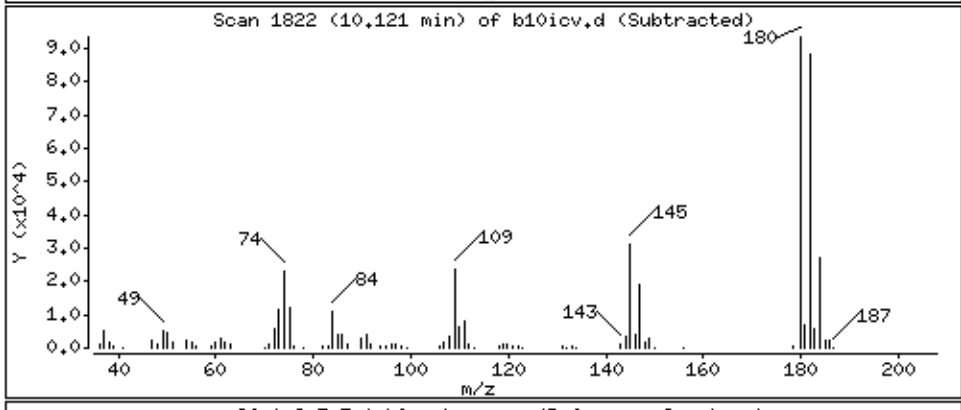
96 1,2,3-Trichlorobenzene

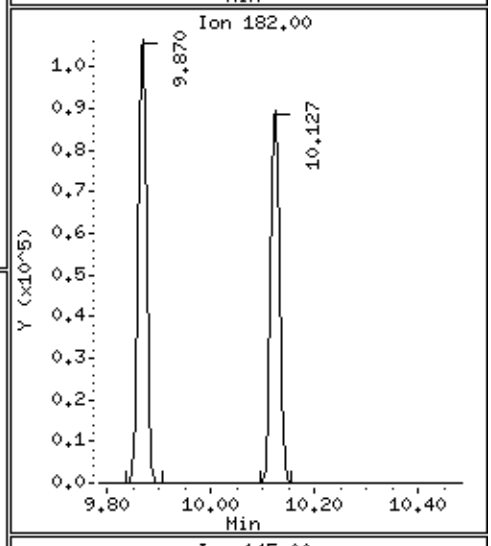
Concentration: 47.5 ppb

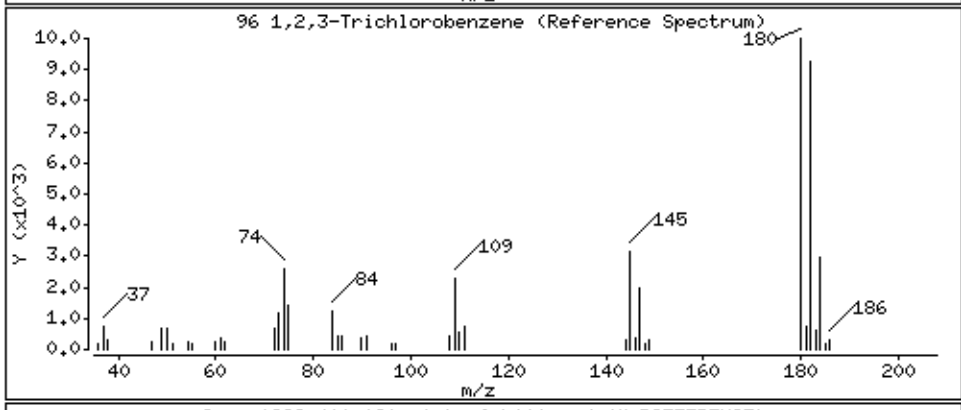
Review Code:

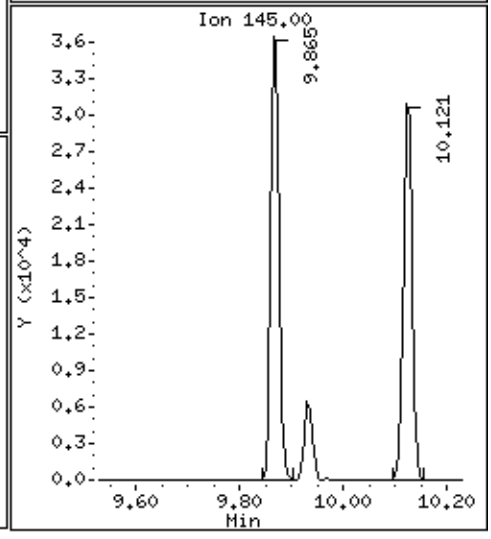


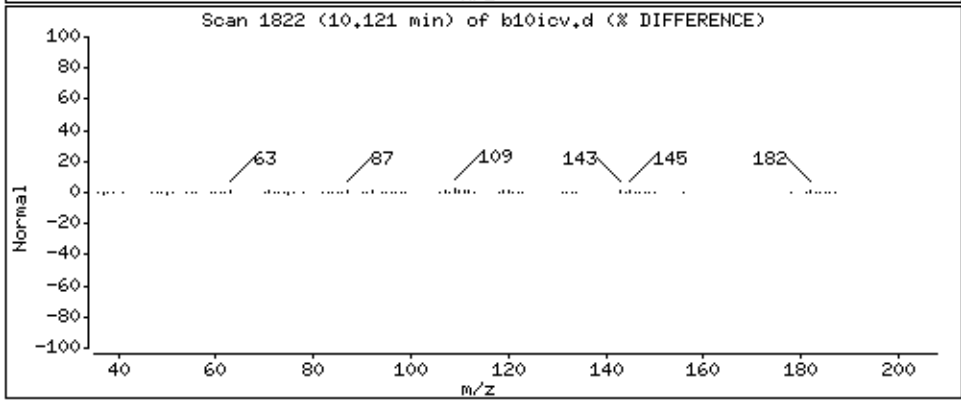












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

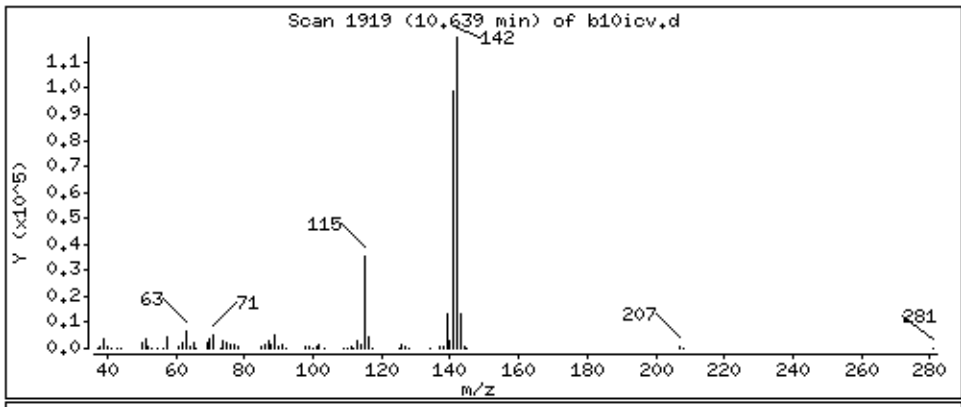
Column phase: DB-624

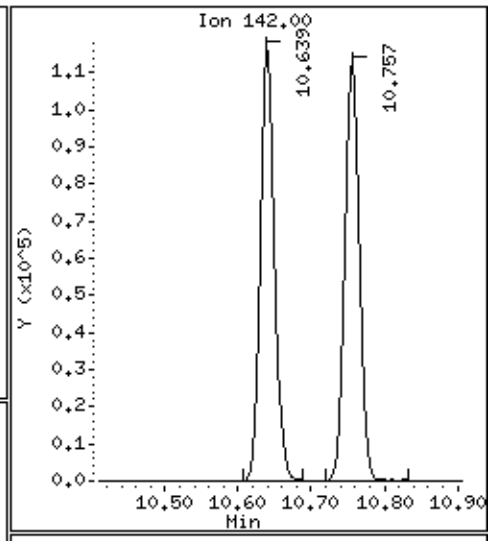
Column diameter: 0.18

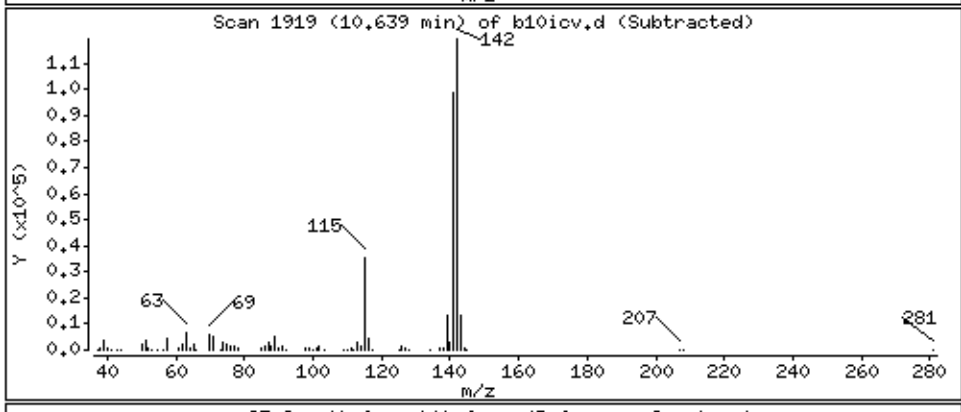
97 2,methyl-naphthalene

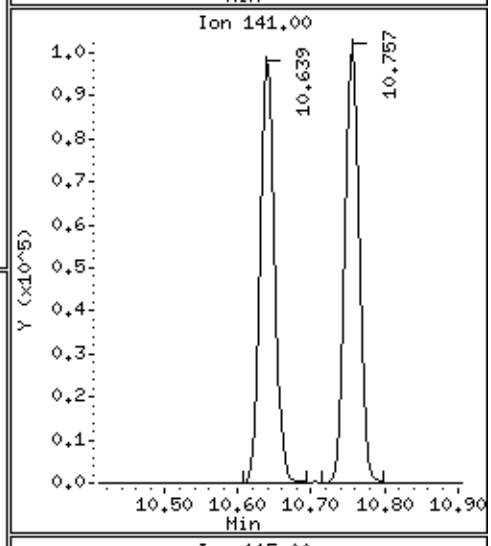
Concentration: 41.7 ppb

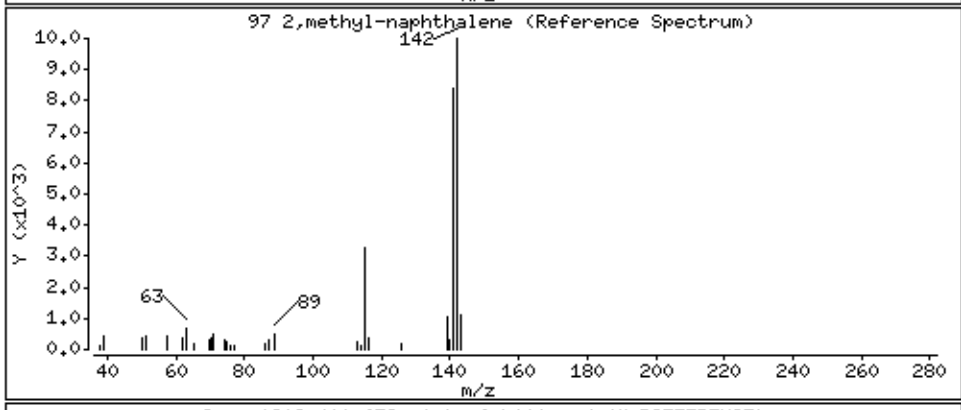
Review Code:

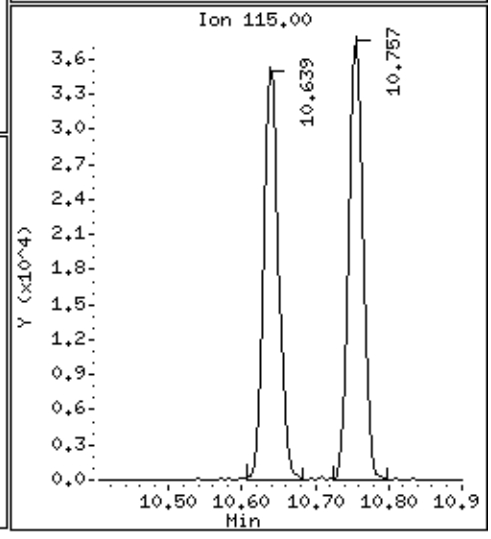


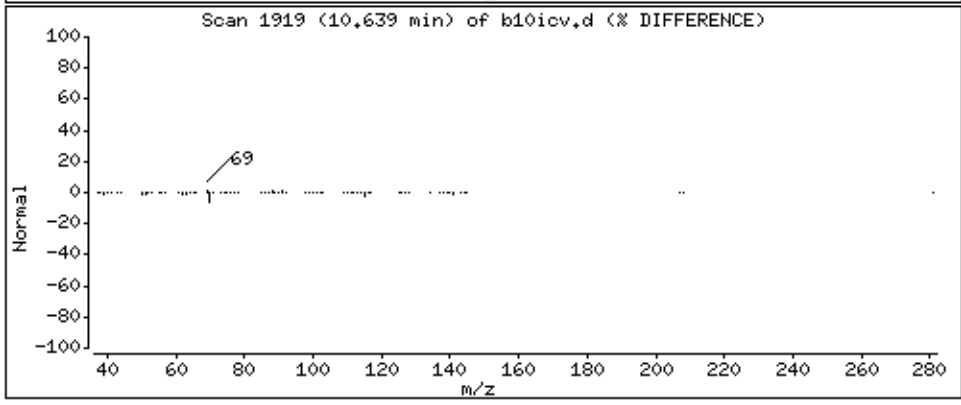












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

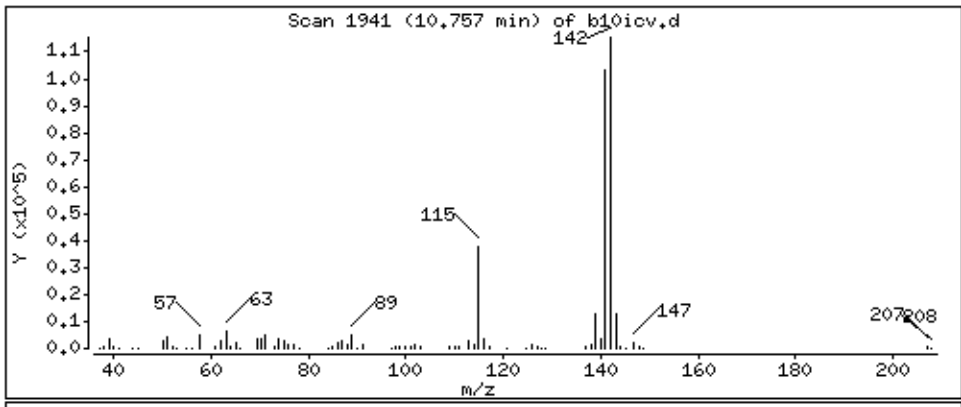
Column phase: DB-624

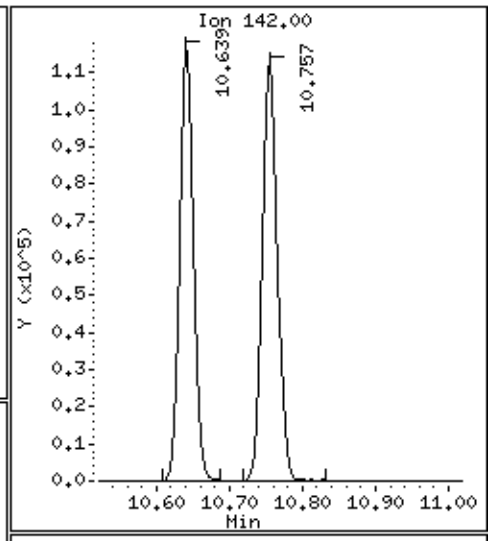
Column diameter: 0.18

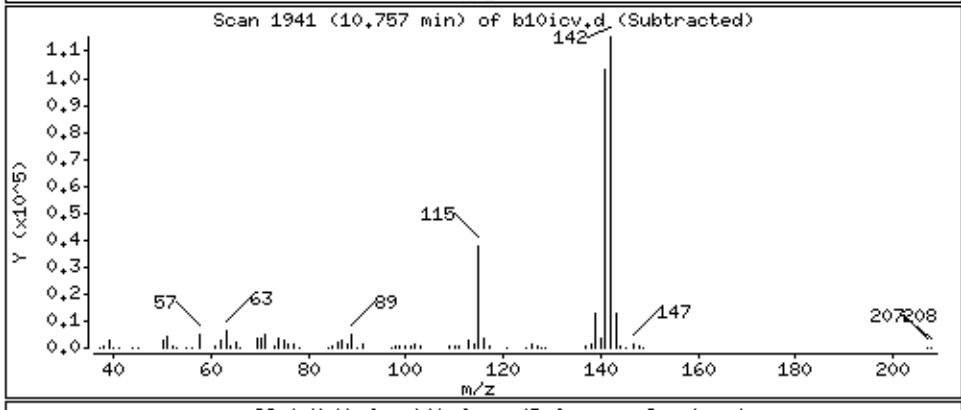
98 1-Methylnaphthalene

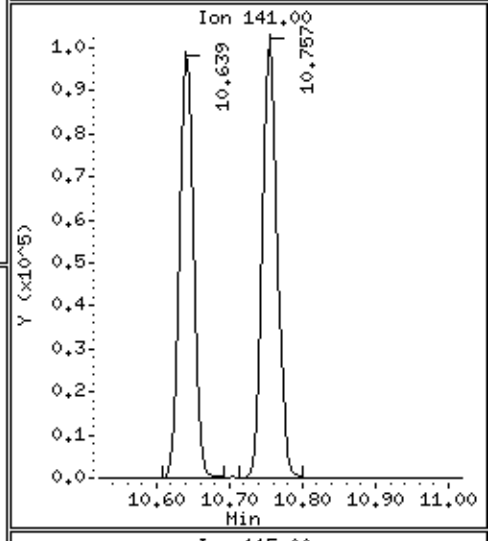
Concentration: 49.5 ppb

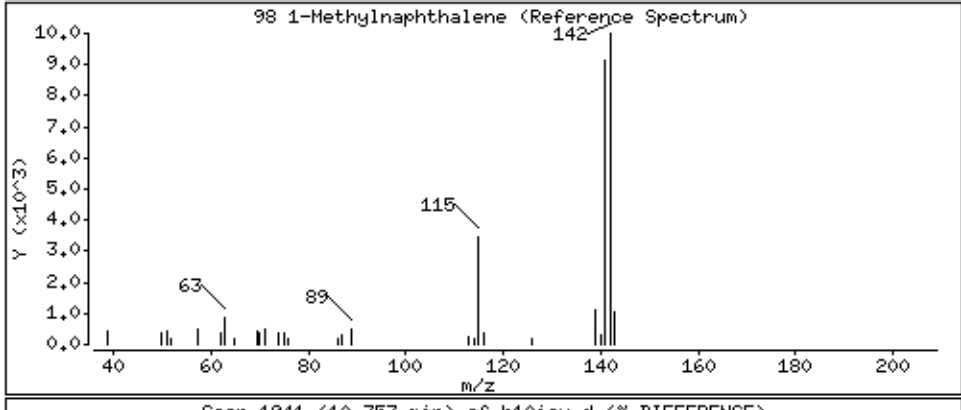
Review Code:

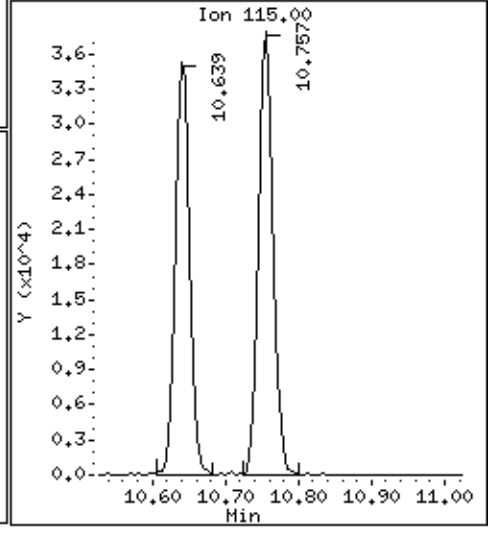


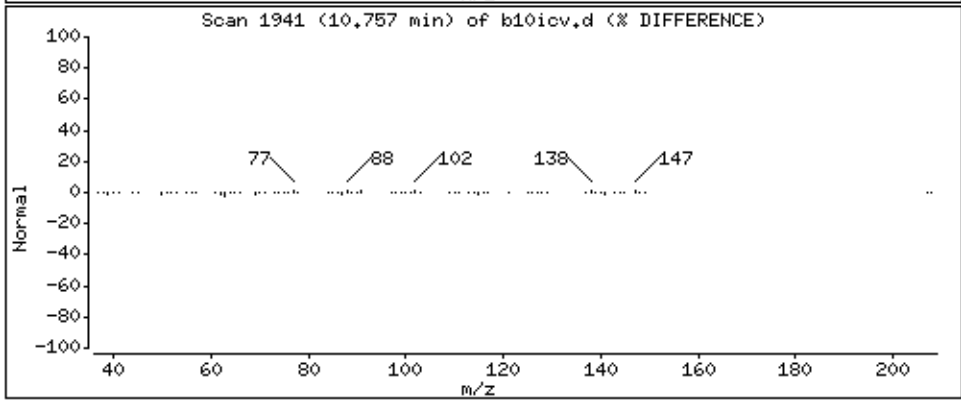












Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b10icv.d

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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

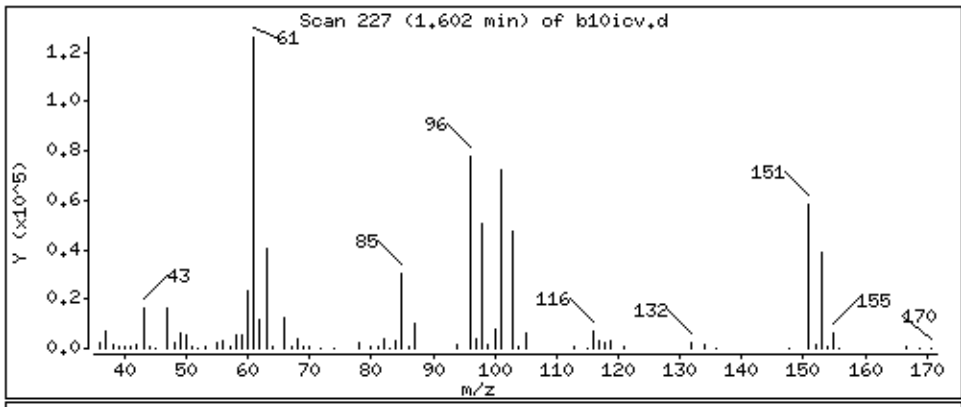
Column phase: DB-624

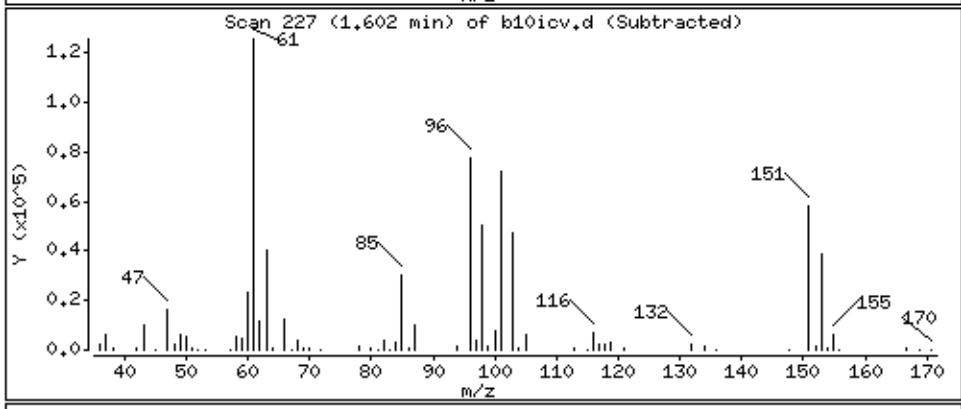
Column diameter: 0.18

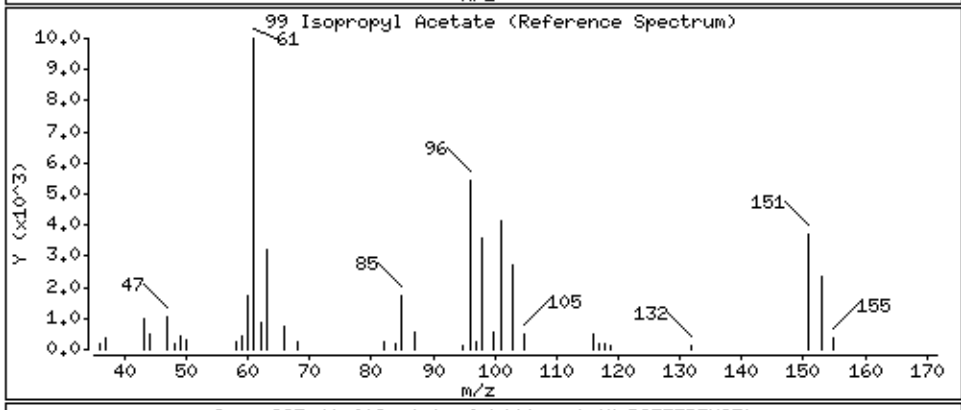
99 Isopropyl Acetate

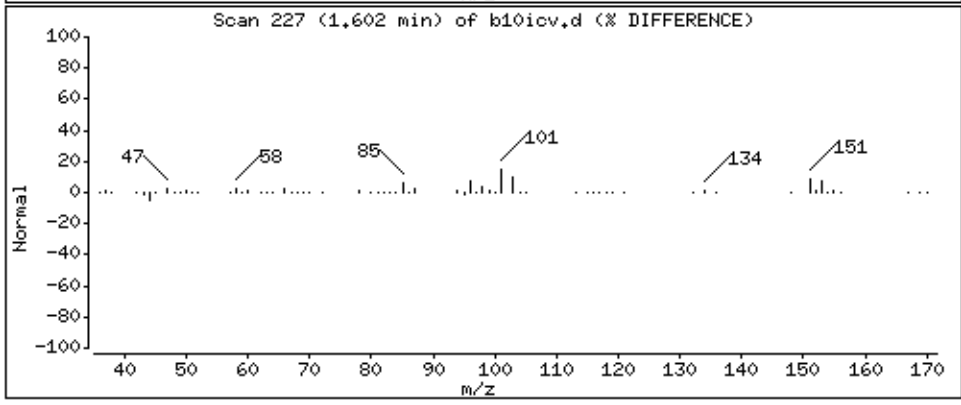
Concentration: 261 ppb

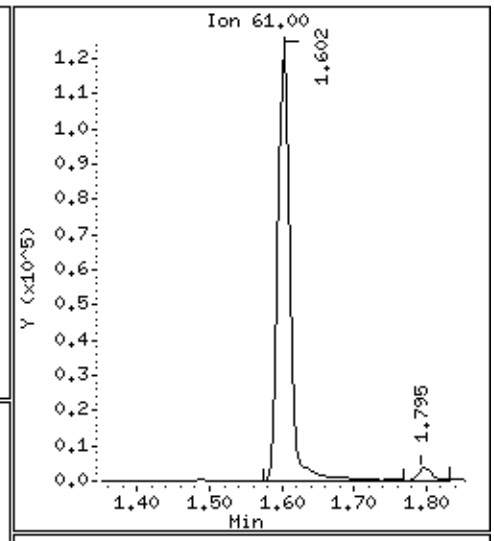
Review Code:

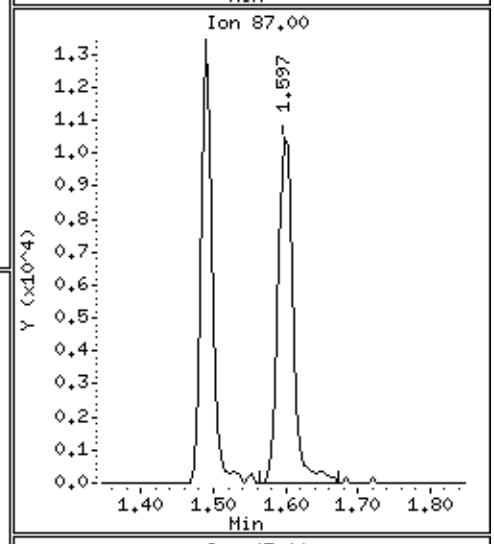


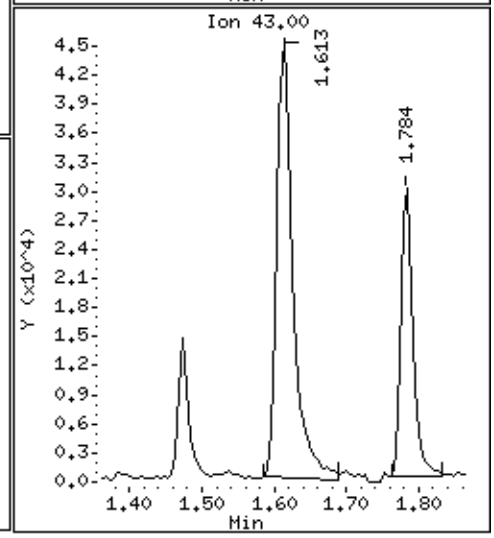












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Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

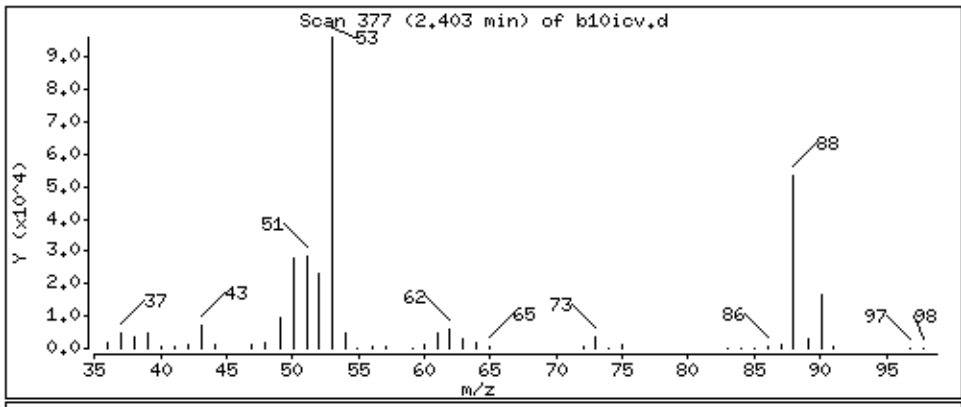
Column phase: DB-624

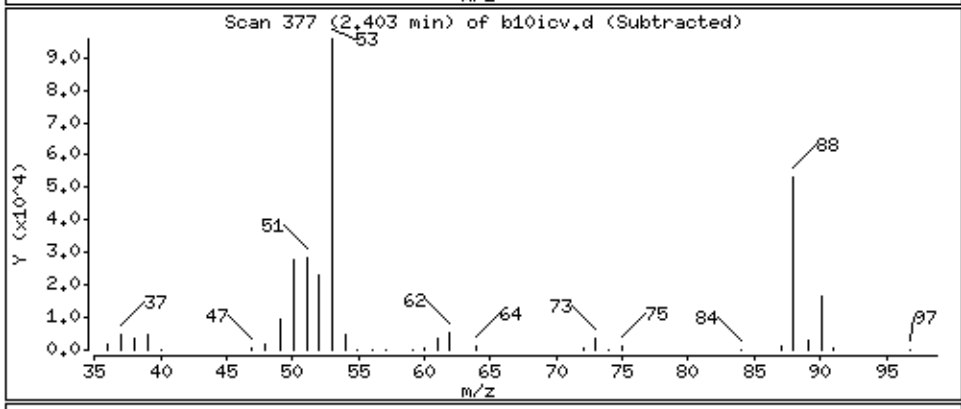
Column diameter: 0.18

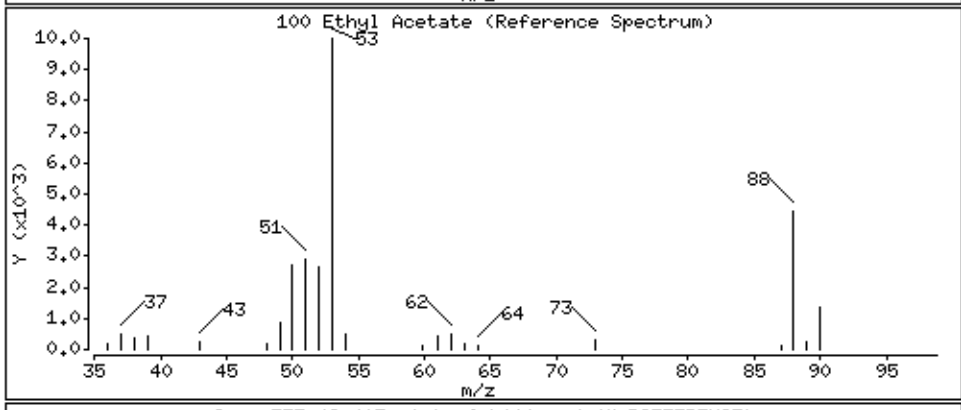
100 Ethyl Acetate

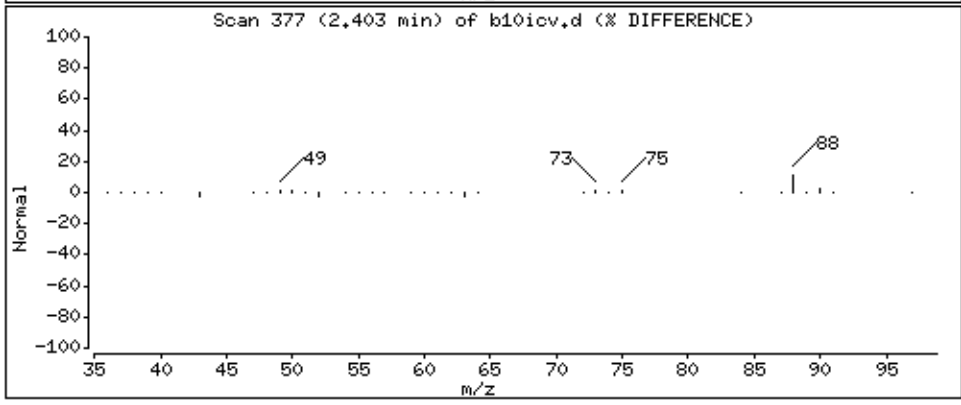
Concentration: 503 ppb

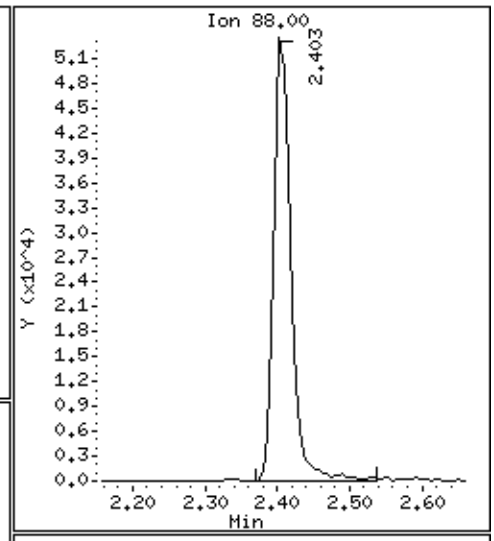
Review Code:

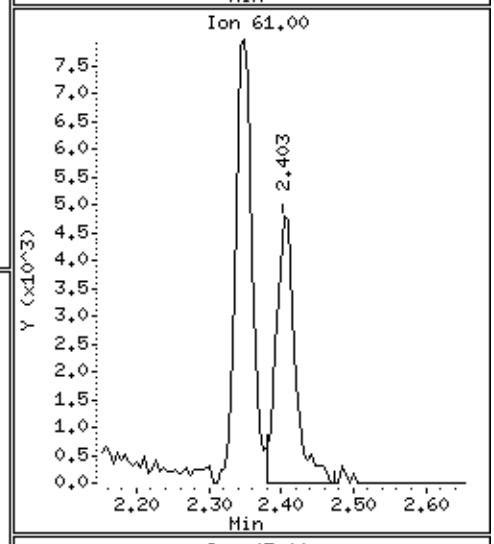


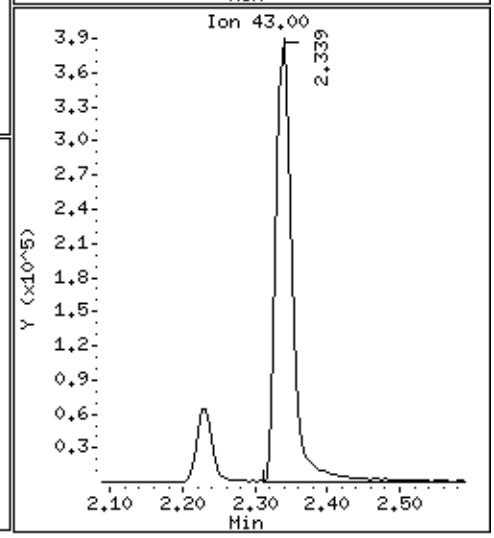












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Page 100

Date : 16-AUG-2016 15:25

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-ICV,128595:0

Purge Volume: 5.0

Operator: jlz

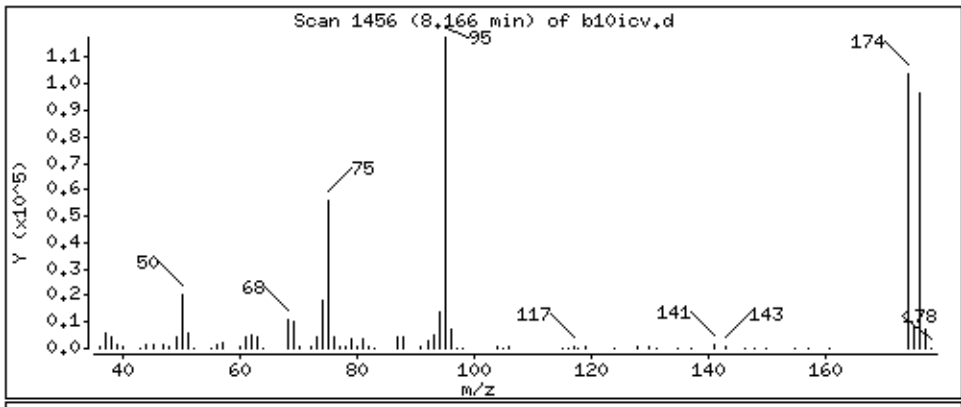
Column phase: DB-624

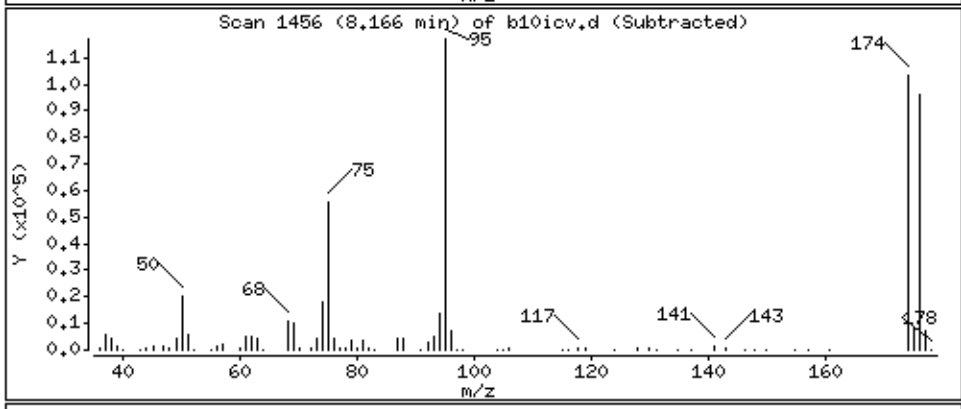
Column diameter: 0.18

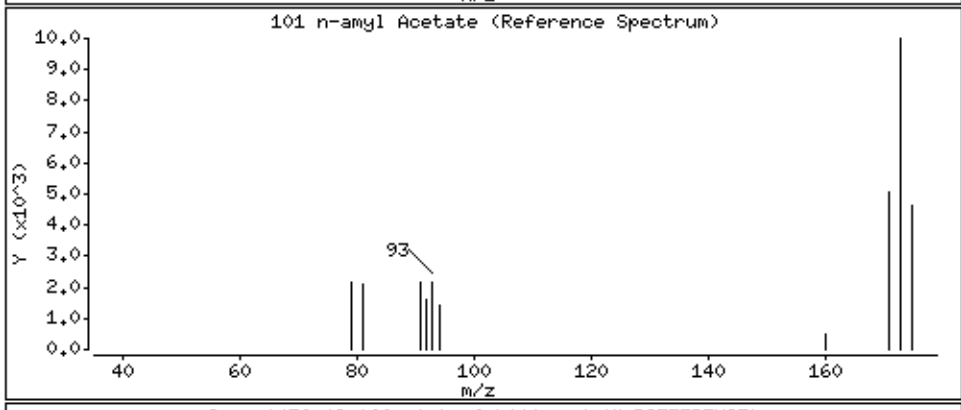
101 n-amyl Acetate

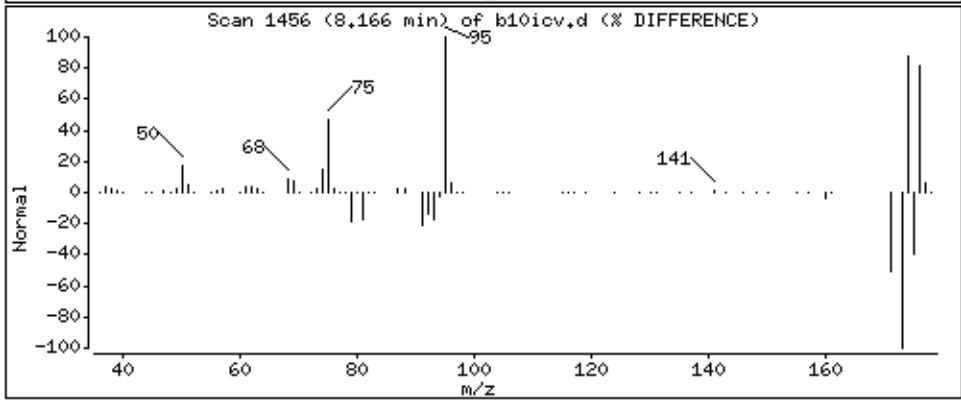
Concentration: 91.7 ppb

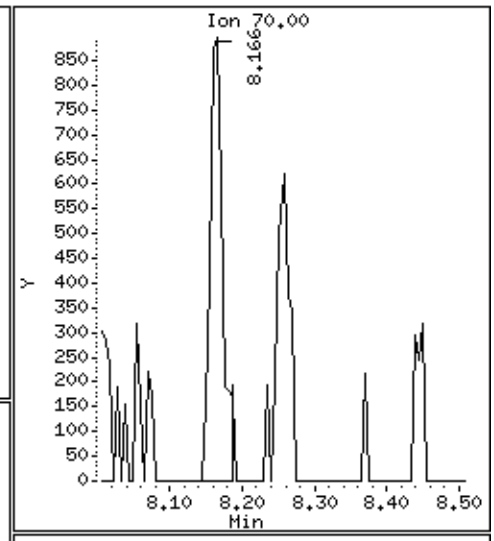
Review Code:

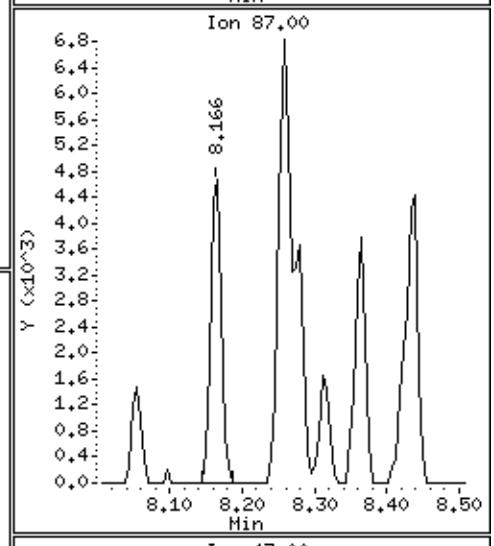


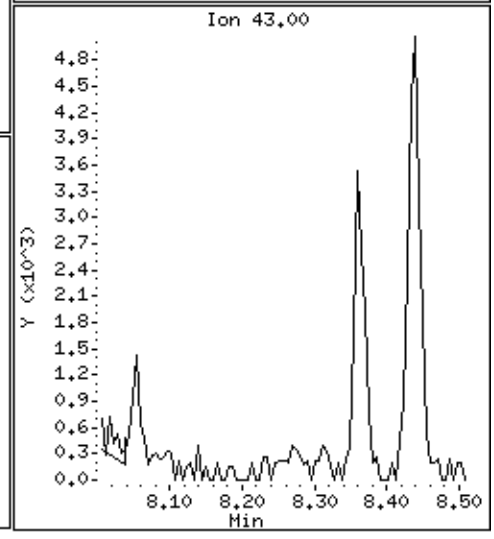












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Injection Date: 16-AUG-2016 15:25
Instrument: 50mv3b.i
Lab Sample ID: 8260-ICV,128595:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b01ccv.d
Lab Smp Id: 8260-CCV,132273:0
Inj Date : 06-OCT-2016 12:44
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-ccv,132273:0
Misc Info : 95281
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

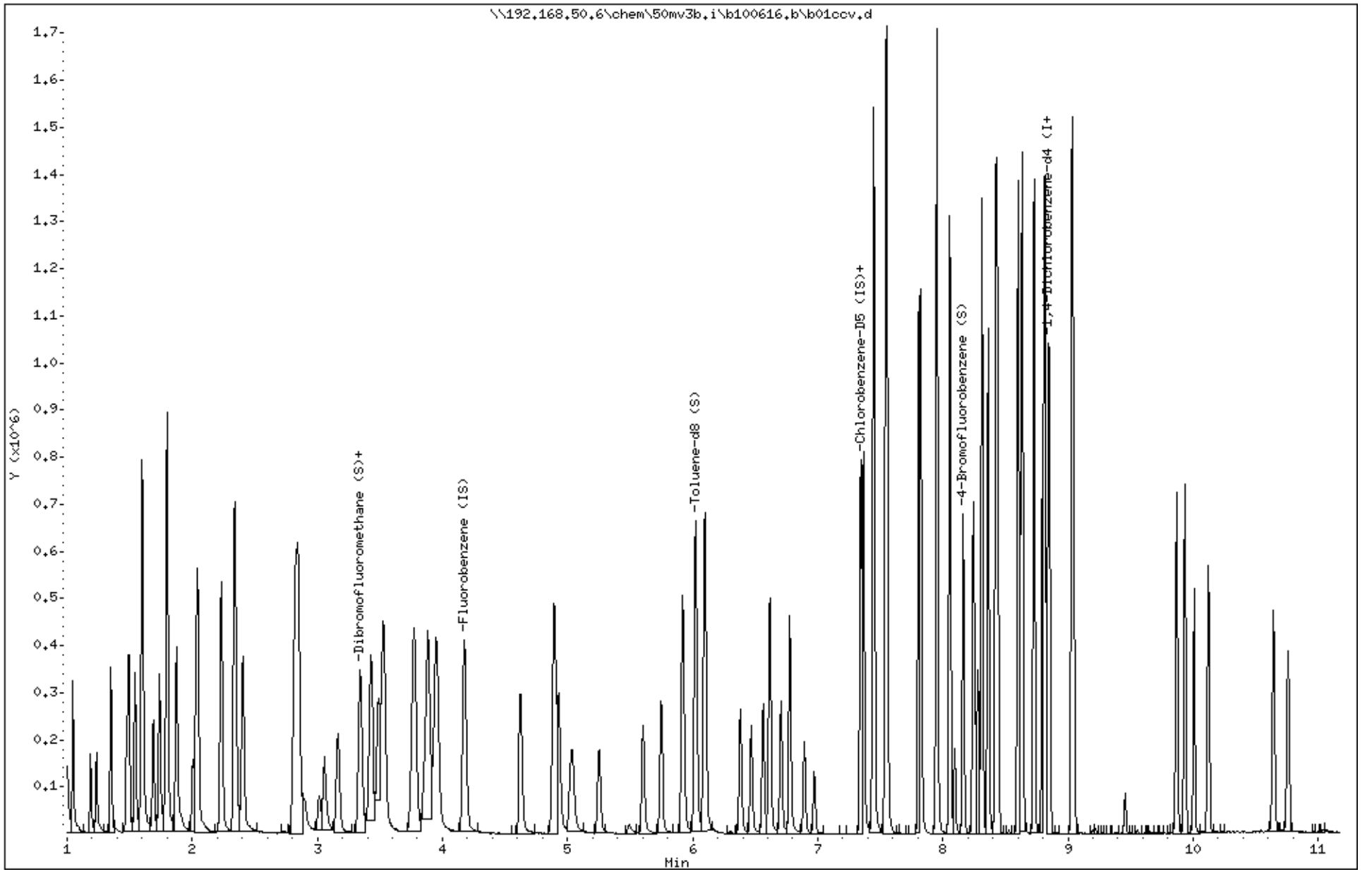
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.916	0.916	(0.220)	142019	50.0000	56.7	
2	Chloromethane	50	0.996	0.996	(0.239)	148201	50.0000	39.7	
3	Vinyl Chloride	62	1.044	1.044	(0.250)	158488	50.0000	49.5	
4	Bromomethane	94	1.188	1.188	(0.285)	57705	50.0000	41.4	
5	Chloroethane	64	1.236	1.236	(0.296)	86719	50.0000	46.3	
6	Trichlorofluoromethane	101	1.348	1.348	(0.323)	149543	50.0000	43.2	
7	Diethyl ether	74	1.471	1.471	(0.353)	48318	50.0000	44.3	
8	1,2-dichlorotrifluoroethane	67	1.487	1.487	(0.356)	117029	50.0000	43.3	
9	Acrolein	56	1.546	1.546	(0.370)	195452	1000.00	877	
10	1,1,2trichlorotrifluoroethane	101	1.600	1.600	(0.383)	104940	50.0000	46.0	
11	1,1-Dichloroethene	96	1.600	1.600	(0.383)	92848	50.0000	48.6	
12	Acetone	43	1.610	1.610	(0.386)	81207	250.000	207	
13	Iodomethane	142	1.690	1.690	(0.405)	180780	100.000	96.4	
14	Carbon Disulfide	76	1.738	1.738	(0.417)	296322	50.0000	45.8	
15	Methyl Acetate	43	1.781	1.781	(0.427)	46016	50.0000	40.0	
16	allyl chloride	41	1.797	1.797	(0.431)	393076	100.000	101	
17	Acetonitrile	39	1.797	1.797	(0.431)	245874	50.0000	44.0	
18	Methylene Chloride	84	1.872	1.872	(0.449)	125958	50.0000	59.2	
19	tert-Butyl Alcohol	59	1.915	1.915	(0.459)	13374	100.000	89.9	
20	Acrylonitrile	53	2.005	2.005	(0.481)	98549	200.000	190	
21	Methyl-tert-butyl ether	73	2.032	2.032	(0.487)	226577	50.0000	46.5	
22	1,2-Dichloroethene (trans)	96	2.048	2.048	(0.491)	104461	50.0000	47.9	
23	n-Hexane	57	2.230	2.230	(0.534)	212427	50.0000	49.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.337	2.337	(0.560)	670207	200.000	214	
	25 1,1-Dichloroethane	63	2.347	2.347	(0.562)	191481	50.0000	46.9	
	26 Chloroprene	53	2.406	2.406	(0.576)	196120	50.0000	47.4	
	27 2-Butanone	72	2.807	2.807	(0.672)	33773	250.000	246	
	28 1,2-Dichloroethene (cis)	96	2.823	2.823	(0.676)	109895	50.0000	47.5	
	29 2,2-Dichloropropane	77	2.828	2.828	(0.678)	148822	50.0000	46.4	
	30 Propionitrile	54	2.860	2.860	(0.685)	8411	50.0000	43.0	
	31 Methacrylonitrile	41	3.015	3.015	(0.722)	38649	50.0000	43.8	
	32 Bromochloromethane	49	3.052	3.052	(0.731)	76347	50.0000	42.6	
	33 Tetrahydrofuran	42	3.074	3.074	(0.736)	15609	50.0000	34.3	
	34 Chloroform	83	3.164	3.164	(0.758)	169562	50.0000	43.7	
$	35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	90304	50.0000	46.2	
	36 1,1,1-Trichloroethane	97	3.341	3.341	(0.800)	158232	50.0000	45.4	
	37 Cyclohexane	56	3.426	3.426	(0.821)	205832	50.0000	47.8	
	151 n-Butyl chloride	56	3.490	3.490	(0.836)	258318	50.0000	48.7	
	38 Carbon Tetrachloride	117	3.528	3.528	(0.845)	133232	50.0000	43.2	
	39 1,1-Dichloropropene	75	3.533	3.533	(0.846)	146240	50.0000	45.3	
	40 Benzene	78	3.773	3.773	(0.904)	417025	50.0000	46.9	
	41 1,2-Dichloroethane	62	3.859	3.859	(0.924)	108952	50.0000	41.0	
	42 Isobutyl alcohol	43	3.885	3.885	(0.931)	615768	50.0000	46.1	
	43 2,2,4-Trimethylpentane	57	3.950	3.950	(0.946)	518227	50.0000	48.7	
*	44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	424639	50.0000		
	45 Trichloroethene	95	4.623	4.623	(1.107)	108550	50.0000	50.9	
	46 Methylcyclohexane	55	4.890	4.890	(1.171)	179771	50.0000	52.0	
	47 1,2-Dichloropropane	63	4.927	4.927	(1.180)	105206	50.0000	50.1	
	48 Methyl methacrylate	69	5.045	5.045	(1.209)	46704	50.0000	53.4	
	49 Dibromomethane	93	5.023	5.023	(1.203)	45410	50.0000	46.4	
	50 1,4-Dioxane	88	5.034	5.034	(1.206)	12714	1000.00	992	
	51 Bromodichloromethane	83	5.253	5.253	(1.258)	117974	50.0000	48.0	
	52 2-Chloroethyl vinyl ether	63	5.600	5.600	(0.762)	94690	100.000	92.5	
	53 cis-1,3-Dichloropropene	75	5.744	5.744	(0.782)	152347	50.0000	48.0	
	54 4-Methyl-2-Pentanone	43	5.920	5.920	(0.806)	328944	250.000	238	
$	55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	410961	50.0000	46.7	
	56 Toluene	91	6.097	6.097	(0.830)	468693	50.0000	42.8	
	57 trans-1,3-Dichloropropene	75	6.380	6.380	(0.868)	122939	50.0000	49.6	
	58 Ethyl Methacrylate	69	6.465	6.465	(0.880)	95928	50.0000	49.4	
	59 1,1,2-Trichloroethane	83	6.567	6.567	(0.894)	61194	50.0000	50.5	
	60 Tetrachloroethene	166	6.620	6.620	(0.901)	122947	50.0000	50.3	
	61 1,3-Dichloropropane	76	6.706	6.706	(0.913)	127173	50.0000	48.8	
	62 2-Hexanone	43	6.775	6.775	(0.922)	229984	250.000	254	
	63 Dibromochloromethane	129	6.893	6.893	(0.938)	78614	50.0000	44.7	
	64 1,2-Dibromoethane	107	6.973	6.973	(0.949)	67537	50.0000	49.1	
*	65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	297871	50.0000		
	66 Chlorobenzene	112	7.368	7.368	(1.003)	292667	50.0000	47.1	
	67 1,1,1,2-Tetrachloroethane	131	7.443	7.443	(1.013)	92755	50.0000	48.2	
	68 Ethylbenzene	106	7.448	7.448	(1.014)	174702	50.0000	50.8	
	69 m&p-Xylene	106	7.549	7.549	(1.028)	429596	100.000	101	
	70 o-Xylene	106	7.811	7.811	(1.063)	202158	50.0000	51.7	
	71 Styrene	104	7.822	7.822	(1.065)	338940	50.0000	51.7	
	72 Bromoform	173	7.945	7.945	(0.899)	43262	50.0000	45.8	
	73 Isopropylbenzene	105	8.052	8.052	(1.096)	571957	50.0000	50.4	
$	74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	145703	50.0000	52.6	
	75 Bromobenzene	77	8.244	8.244	(1.122)	184746	50.0000	48.7	
	76 1,1,2,2-Tetrachloroethane	83	8.254	8.254	(0.934)	82786	50.0000	49.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.276	8.276	(1.126)	25776	50.0000	51.1	
78	1,2,3-Trichloropropane	110	8.287	8.287	(0.937)	24841	50.0000	50.4	
79	n-Propylbenzene	91	8.313	8.313	(0.940)	667089	50.0000	51.9	
80	2-Chlorotoluene	91	8.361	8.361	(0.946)	376162	50.0000	51.8	
81	1,3,5-Trimethylbenzene	105	8.420	8.420	(0.952)	458245	50.0000	52.2	
82	4-Chlorotoluene	126	8.436	8.436	(0.954)	129223	50.0000	50.1	
83	tert-Butylbenzene	119	8.602	8.602	(0.973)	530572	50.0000	52.0	
84	1,2,4-Trimethylbenzene	105	8.634	8.634	(0.976)	458475	50.0000	51.0	
85	sec-Butylbenzene	105	8.730	8.730	(0.987)	633173	50.0000	52.3	
86	1,3-Dichlorobenzene	146	8.794	8.794	(0.995)	227877	50.0000	47.5	
87	p-Isopropyltoluene	119	8.815	8.815	(0.997)	541541	50.0000	53.0	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	147038	50.0000		
89	1,4-Dichlorobenzene	146	8.853	8.853	(1.001)	232631	50.0000	46.8	
90	n-Butylbenzene	91	9.029	9.029	(1.021)	494678	50.0000	53.0	
91	1,2-Dichlorobenzene	146	9.045	9.045	(1.023)	202353	50.0000	46.4	
92	1,2-Dibromo-3-chloropropane	155	9.456	9.456	(1.069)	11672	50.0000	48.0	
93	1,2,4-Trichlorobenzene	180	9.867	9.867	(1.116)	150059	50.0000	52.2	
94	Hexachlorobutadiene	225	9.932	9.932	(1.123)	97394	50.0000	55.5	
95	Naphthalene	128	10.006	10.006	(1.132)	299260	50.0000	52.4	
96	1,2,3-Trichlorobenzene	180	10.124	10.124	(1.145)	129967	50.0000	50.2	
97	2,methyl-naphthalene	142	10.642	10.642	(1.204)	191722	50.0000	56.5	
98	1-Methylnaphthalene	142	10.759	10.759	(1.217)	158608	50.0000	56.5	
99	Isopropyl Acetate	61	3.885	3.885	(0.931)	120619	250.000	256	
100	Ethyl Acetate	88	2.849	2.849	(0.683)	24914	500.000	496	
101	n-amyl Acetate	70	7.950	7.950	(1.905)	221830	50.0000	73.0	

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b01ccv.d
Date : 06-OCT-2016 12:44
Client ID:
Sample Info: 8260-CCV,132273:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



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Injection Date: 06-OCT-2016 12:44
Instrument: 50mv3b.i
Lab Sample ID: 8260-CCV,132273:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d01ccv.d
Lab Smp Id: 8260-CCV,132273:0
Inj Date : 07-OCT-2016 01:01
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 8260-ccv,132273:0
Misc Info : 95281
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 50 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
1	Dichlorodifluoromethane	85	0.917	0.916	(0.220)	131626	50.0000	54.2	
2	Chloromethane	50	0.997	0.996	(0.239)	137834	50.0000	38.1	
3	Vinyl Chloride	62	1.045	1.044	(0.251)	146746	50.0000	47.3	
4	Bromomethane	94	1.190	1.188	(0.285)	54956	50.0000	40.7	
5	Chloroethane	64	1.232	1.236	(0.296)	77078	50.0000	42.5	
6	Trichlorofluoromethane	101	1.350	1.348	(0.324)	137532	50.0000	41.0	
7	Diethyl ether	74	1.473	1.471	(0.353)	46834	50.0000	44.3	
8	1,2-dichlorotrifluoroethane	67	1.489	1.487	(0.357)	111894	50.0000	42.7	
9	Acrolein	56	1.542	1.546	(0.370)	180385	1000.00	835	
10	1,1,2trichlorotrifluoroethane	101	1.596	1.600	(0.383)	98761	50.0000	44.6	
11	1,1-Dichloroethene	96	1.601	1.600	(0.384)	88214	50.0000	47.7	
12	Acetone	43	1.612	1.610	(0.387)	82690	250.000	217	
13	Iodomethane	142	1.686	1.690	(0.404)	180821	100.000	99.5	
14	Carbon Disulfide	76	1.740	1.738	(0.417)	283878	50.0000	45.3	
15	Methyl Acetate	43	1.783	1.781	(0.428)	46325	50.0000	41.6	
16	allyl chloride	41	1.799	1.797	(0.431)	371084	100.000	98.2	
17	Acetonitrile	39	1.799	1.797	(0.431)	234376	50.0000	43.2	
18	Methylene Chloride	84	1.873	1.872	(0.449)	118776	50.0000	57.6	
19	tert-Butyl Alcohol	59	1.916	1.915	(0.460)	13447	100.000	93.2(Q)	
20	Acrylonitrile	53	2.007	2.005	(0.481)	98060	200.000	195	
21	Methyl-tert-butyl ether	73	2.034	2.032	(0.488)	222120	50.0000	47.0	
22	1,2-Dichloroethene (trans)	96	2.044	2.048	(0.490)	100060	50.0000	47.3	
23	n-Hexane	57	2.231	2.230	(0.535)	199713	50.0000	48.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	REVIEW C
	24 Vinyl Acetate	43	2.338	2.337	(0.561)	633054	200.000	209	
	25 1,1-Dichloroethane	63	2.349	2.347	(0.563)	184706	50.0000	46.7	
	26 Chloroprene	53	2.402	2.406	(0.576)	184919	50.0000	46.2	
	27 2-Butanone	72	2.808	2.807	(0.673)	33176	250.000	249	
	28 1,2-Dichloroethene (cis)	96	2.824	2.823	(0.677)	104095	50.0000	46.5	
	29 2,2-Dichloropropane	77	2.829	2.828	(0.679)	137217	50.0000	44.1	
	30 Propionitrile	54	2.861	2.860	(0.686)	8174	50.0000	43.1(Q)	
	31 Methacrylonitrile	41	3.011	3.015	(0.722)	37798	50.0000	44.2	
	32 Bromochloromethane	49	3.059	3.052	(0.734)	75972	50.0000	43.7	
	33 Tetrahydrofuran	42	3.080	3.074	(0.739)	17476	50.0000	39.7	
	34 Chloroform	83	3.166	3.164	(0.759)	162344	50.0000	43.2	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.801)	88921	50.0000	46.9	
	36 1,1,1-Trichloroethane	97	3.342	3.341	(0.801)	150004	50.0000	44.4	
	37 Cyclohexane	56	3.428	3.426	(0.822)	196112	50.0000	47.0	
	151 n-Butyl chloride	56	3.492	3.490	(0.837)	245610	50.0000	47.7	
	38 Carbon Tetrachloride	117	3.529	3.528	(0.846)	132377	50.0000	44.3	
	39 1,1-Dichloropropene	75	3.534	3.533	(0.848)	139369	50.0000	44.5	
	40 Benzene	78	3.775	3.773	(0.905)	402739	50.0000	46.7	
	41 1,2-Dichloroethane	62	3.860	3.859	(0.926)	106775	50.0000	41.5	
	42 Isobutyl alcohol	43	3.887	3.885	(0.932)	607836	50.0000	47.0	
	43 2,2,4-Trimethylpentane	57	3.951	3.950	(0.947)	493609	50.0000	47.9	
*	44 Fluorobenzene (IS)	96	4.170	4.174	(1.000)	411644	50.0000		
	45 Trichloroethene	95	4.624	4.623	(1.109)	103283	50.0000	49.9	
	46 Methylcyclohexane	55	4.891	4.890	(1.173)	172249	50.0000	51.4	
	47 1,2-Dichloropropane	63	4.928	4.927	(1.182)	102477	50.0000	50.3	
	48 Methyl methacrylate	69	5.046	5.045	(1.210)	46151	50.0000	54.5	
	49 Dibromomethane	93	5.025	5.023	(1.205)	45140	50.0000	47.6	
	50 1,4-Dioxane	88	5.030	5.034	(1.206)	13570	1000.00	1080	
	51 Bromodichloromethane	83	5.249	5.253	(1.259)	118597	50.0000	49.8	
	52 2-Chloroethyl vinyl ether	63	5.601	5.600	(0.763)	90592	100.000	89.9	
	53 cis-1,3-Dichloropropene	75	5.746	5.744	(0.783)	140068	50.0000	44.8	
	54 4-Methyl-2-Pentanone	43	5.922	5.920	(0.807)	331525	250.000	243	
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	406705	50.0000	46.9	
	56 Toluene	91	6.093	6.097	(0.830)	442179	50.0000	41.0	
	57 trans-1,3-Dichloropropene	75	6.381	6.380	(0.869)	116093	50.0000	47.5	
	58 Ethyl Methacrylate	69	6.467	6.465	(0.881)	93999	50.0000	49.2	
	59 1,1,2-Trichloroethane	83	6.568	6.567	(0.895)	55637	50.0000	46.6	
	60 Tetrachloroethene	166	6.616	6.620	(0.901)	125987	50.0000	52.3	
	61 1,3-Dichloropropane	76	6.707	6.706	(0.913)	124382	50.0000	48.5	
	62 2-Hexanone	43	6.776	6.775	(0.923)	230308	250.000	258	
	63 Dibromochloromethane	129	6.889	6.893	(0.938)	80931	50.0000	46.7	
	64 1,2-Dibromoethane	107	6.974	6.973	(0.950)	65907	50.0000	48.7	
*	65 Chlorobenzene-D5 (IS)	117	7.343	7.347	(1.000)	293417	50.0000		
	66 Chlorobenzene	112	7.364	7.368	(1.003)	278732	50.0000	45.5	
	67 1,1,1,2-Tetrachloroethane	131	7.444	7.443	(1.014)	91541	50.0000	48.3	
	68 Ethylbenzene	106	7.449	7.448	(1.015)	162216	50.0000	47.8	
	69 m&p-Xylene	106	7.546	7.549	(1.028)	397441	100.000	95.1	
	70 o-Xylene	106	7.807	7.811	(1.063)	191636	50.0000	49.8	
	71 Styrene	104	7.823	7.822	(1.065)	319188	50.0000	49.4	
	72 Bromoform	173	7.941	7.945	(0.898)	45219	50.0000	49.0	
	73 Isopropylbenzene	105	8.053	8.052	(1.097)	539821	50.0000	48.3	
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.112)	144038	50.0000	52.8	
	75 Bromobenzene	77	8.245	8.244	(1.123)	178278	50.0000	47.7	
	76 1,1,2,2-Tetrachloroethane	83	8.256	8.254	(0.934)	81005	50.0000	49.5	

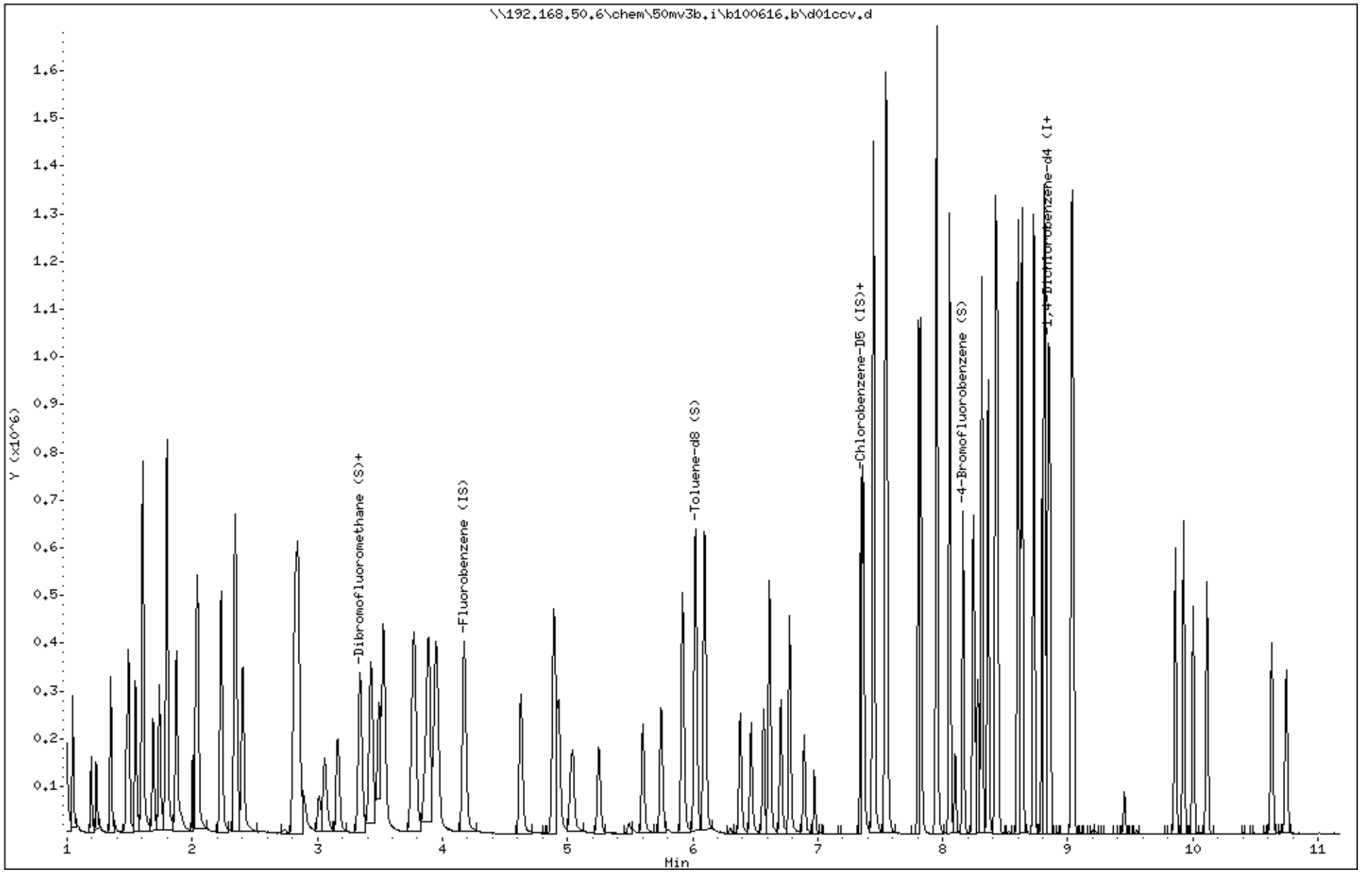
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.277	8.276	(1.127)	22953	50.0000	46.2(Q)	
78	1,2,3-Trichloropropane	110	8.283	8.287	(0.937)	24202	50.0000	50.2	
79	n-Propylbenzene	91	8.315	8.313	(0.941)	617478	50.0000	49.1	
80	2-Chlorotoluene	91	8.363	8.361	(0.946)	347720	50.0000	49.0	
81	1,3,5-Trimethylbenzene	105	8.421	8.420	(0.953)	427640	50.0000	49.8	
82	4-Chlorotoluene	126	8.437	8.436	(0.955)	117136	50.0000	46.5	
83	tert-Butylbenzene	119	8.603	8.602	(0.973)	492719	50.0000	49.4	
84	1,2,4-Trimethylbenzene	105	8.635	8.634	(0.977)	426978	50.0000	48.5	
85	sec-Butylbenzene	105	8.726	8.730	(0.987)	594585	50.0000	50.2	
86	1,3-Dichlorobenzene	146	8.795	8.794	(0.995)	211009	50.0000	45.0	
87	p-Isopropyltoluene	119	8.811	8.815	(0.997)	492928	50.0000	49.4	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.842	(1.000)	143788	50.0000		
89	1,4-Dichlorobenzene	146	8.854	8.853	(1.002)	209903	50.0000	43.2	
90	n-Butylbenzene	91	9.030	9.029	(1.022)	437308	50.0000	47.9	
91	1,2-Dichlorobenzene	146	9.046	9.045	(1.024)	190964	50.0000	44.8	
92	1,2-Dibromo-3-chloropropane	155	9.452	9.456	(1.069)	11943	50.0000	50.2	
93	1,2,4-Trichlorobenzene	180	9.858	9.867	(1.115)	126088	50.0000	44.9	
94	Hexachlorobutadiene	225	9.922	9.932	(1.123)	84437	50.0000	49.2	
95	Naphthalene	128	10.002	10.006	(1.132)	279157	50.0000	50.0	
96	1,2,3-Trichlorobenzene	180	10.115	10.124	(1.144)	118293	50.0000	46.8	
97	2,methyl-naphthalene	142	10.627	10.642	(1.202)	162468	50.0000	49.0	
98	1-Methylnaphthalene	142	10.745	10.759	(1.216)	142201	50.0000	51.8	
99	Isopropyl Acetate	61	3.887	3.885	(0.932)	120715	250.000	264	
100	Ethyl Acetate	88	2.845	2.849	(0.682)	22793	500.000	468(Q)	
101	n-amyl Acetate	70	7.951	7.950	(1.907)	215147	50.0000	73.0	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d01ccv.d
Date : 07-OCT-2016 01:01
Client ID:
Sample Info: 8260-CCV,132273:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



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Injection Date: 07-OCT-2016 01:01
Instrument: 50mv3b.i
Lab Sample ID: 8260-CCV,132273:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Data File: \\192.168.50.6\chem\50mv3b.i\b081616cal.b\b00bfb.d

Date : 16-AUG-2016 10:04

Client ID:

Instrument: 50mv3b.i

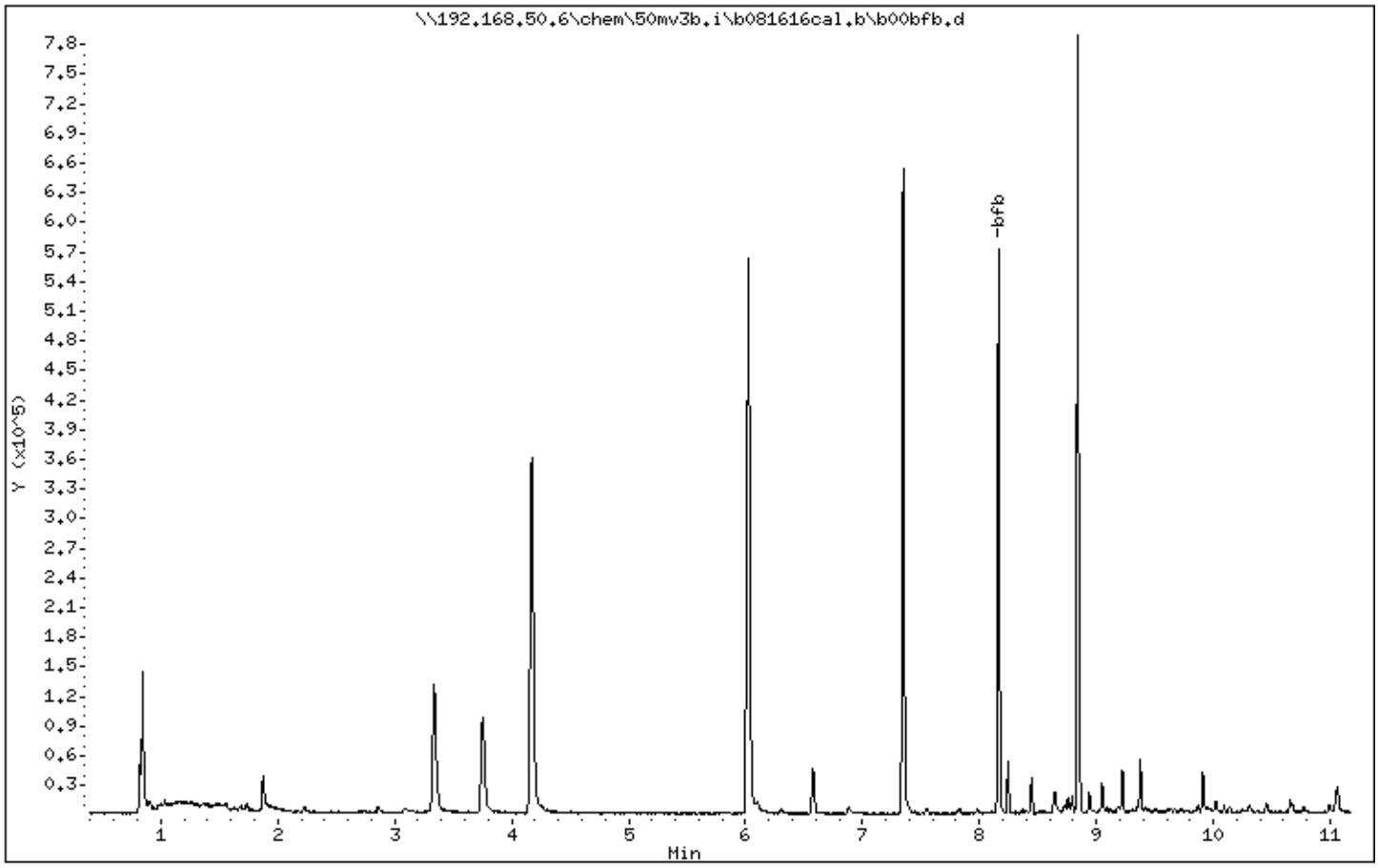
Sample Info: 8260-TUNE,128586:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



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Date : 16-AUG-2016 10:04

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-TUNE,128586:0

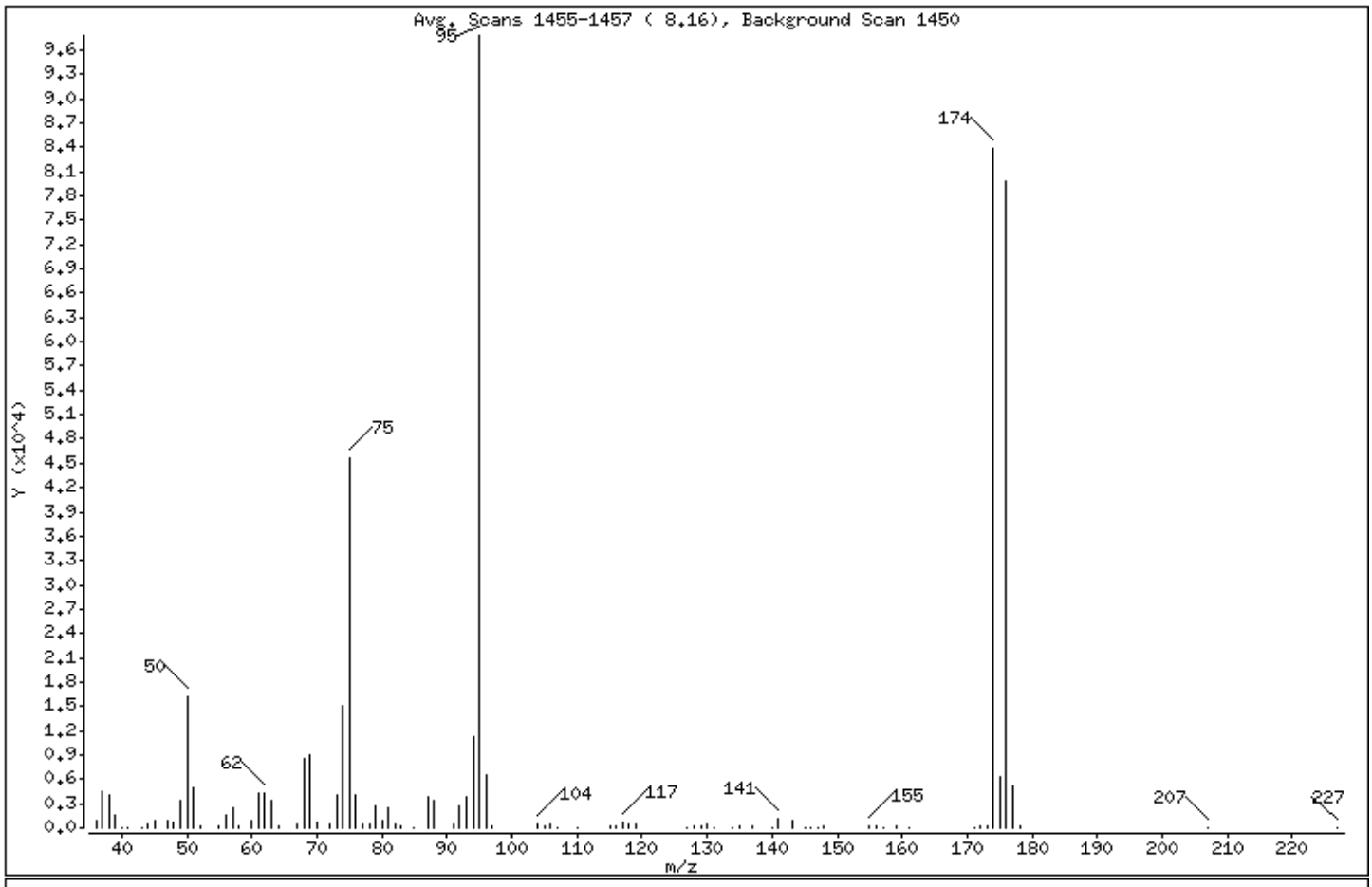
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.65
75	30.00 - 60.00% of mass 95	46.76
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.29 (0.34)
174	50.00 - 100.00% of mass 95	85.67
175	5.00 - 9.00% of mass 174	6.50 (7.59)
176	95.00 - 101.00% of mass 174	81.56 (95.21)
177	5.00 - 9.00% of mass 176	5.32 (6.52)

Date : 16-AUG-2016 10:04

Client ID: Instrument: 50mv3b.i

Sample Info: 8260-TUNE,128586:0

Volume Injected (uL): 1.0 Operator: jlz

Column phase: Column diameter: 2.00

Data File: b00bfb.d
Spectrum: Avg. Scans 1455-1457 (8.16), Background Scan 1450
Location of Maximum: 95.00
Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	794	64.00	267	94.00	11271	141.00	1108
37.00	4439	67.00	352	95.00	97792	143.00	976
38.00	4020	68.00	8551	96.00	6602	145.00	52
39.00	1667	69.00	9062	97.00	306	146.00	52
40.00	49	70.00	587	104.00	418	147.00	70
41.00	63	72.00	436	105.00	176	148.00	220
43.00	25	73.00	4013	106.00	404	155.00	335
44.00	433	74.00	15020	107.00	52	156.00	121
45.00	879	75.00	45728	110.00	51	157.00	73
47.00	962	76.00	4148	115.00	118	159.00	127
48.00	576	77.00	534	116.00	292	161.00	53
49.00	3375	78.00	427	117.00	648	171.00	50
50.00	16285	79.00	2686	118.00	438	172.00	203
51.00	5013	80.00	826	119.00	502	173.00	288
52.00	248	81.00	2543	127.00	53	174.00	83776
55.00	237	82.00	547	128.00	333	175.00	6360
56.00	1521	83.00	217	129.00	139	176.00	79760
57.00	2495	85.00	59	130.00	390	177.00	5200
58.00	144	87.00	3831	131.00	111	178.00	186
60.00	891	88.00	3435	134.00	64	207.00	55
61.00	4262	91.00	444	135.00	195	227.00	56
62.00	4358	92.00	2809	137.00	204		
63.00	3449	93.00	3765	140.00	80		

Data File: \\192.168.50.6\chem\50mv3a.i\a092816cal.b\a00bfb.d

Date : 28-SEP-2016 17:58

Client ID:

Instrument: 50mv3a.i

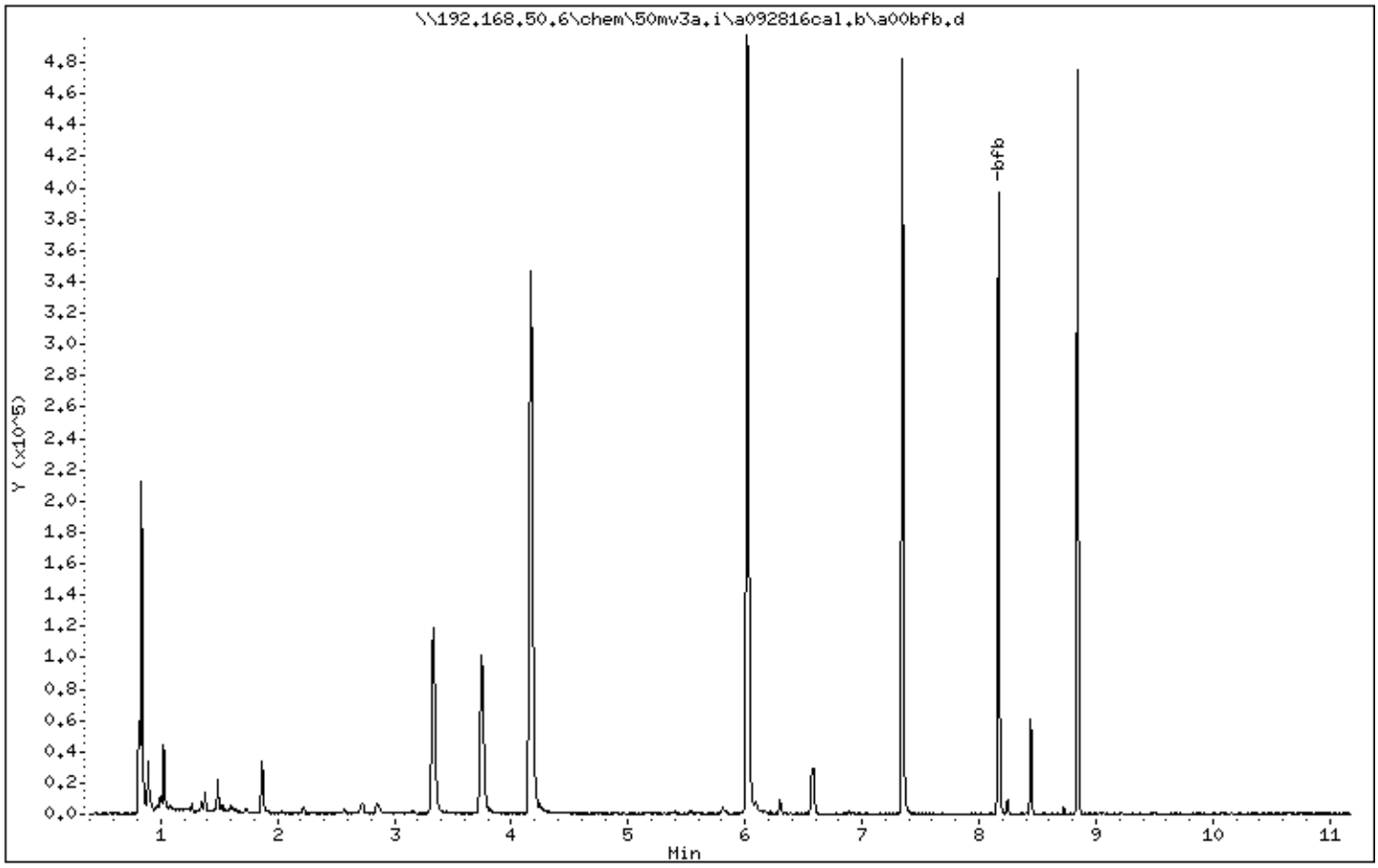
Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



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Date : 28-SEP-2016 17:58

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,131975:0

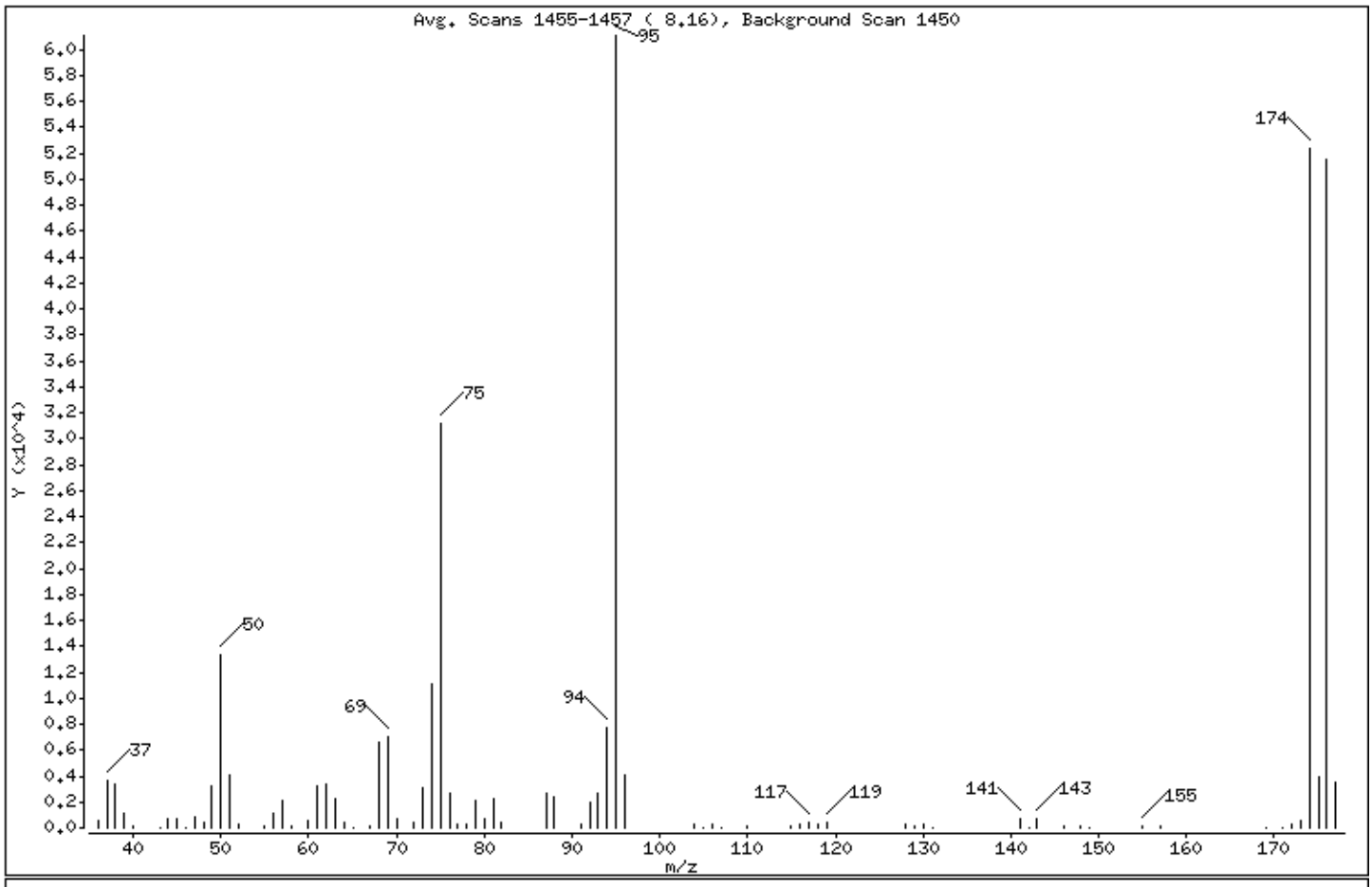
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.85
75	30.00 - 60.00% of mass 95	51.00
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.87 (1.02)
174	50.00 - 100.00% of mass 95	85.74
175	5.00 - 9.00% of mass 174	6.51 (7.59)
176	95.00 - 101.00% of mass 174	84.47 (98.52)
177	5.00 - 9.00% of mass 176	5.70 (6.75)

Date : 28-SEP-2016 17:58

Client ID: Instrument: 50mv3a.i

Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0 Operator: jlz

Column phase: Column diameter: 2.00

Data File: a00bfb.d
Spectrum: Avg. Scans 1455-1457 (8.16), Background Scan 1450
Location of Maximum: 95.00
Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	612	61.00	3177	87.00	2717	130.00	278
37.00	3623	62.00	3302	88.00	2339	131.00	61
38.00	3398	63.00	2287	91.00	321	141.00	683
39.00	1074	64.00	423	92.00	1988	142.00	50
40.00	174	65.00	67	93.00	2638	143.00	651
43.00	50	67.00	183	94.00	7695	146.00	85
44.00	659	68.00	6652	95.00	61080	148.00	162
45.00	711	69.00	7056	96.00	4071	149.00	67
46.00	55	70.00	707	104.00	258	155.00	119
47.00	803	72.00	420	105.00	61	157.00	118
48.00	403	73.00	3022	106.00	279	169.00	58
49.00	3230	74.00	11088	107.00	51	171.00	54
50.00	13346	75.00	31152	110.00	84	172.00	229
51.00	4095	76.00	2653	115.00	97	173.00	532
52.00	255	77.00	299	116.00	330	174.00	52368
55.00	107	78.00	318	117.00	397	175.00	3975
56.00	1131	79.00	2131	118.00	245	176.00	51592
57.00	2168	80.00	673	119.00	354	177.00	3480
58.00	130	81.00	2308	128.00	262		
60.00	608	82.00	451	129.00	98		

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c00bfb.d

Date : 07-OCT-2016 00:13

Client ID:

Instrument: 50mv3a.i

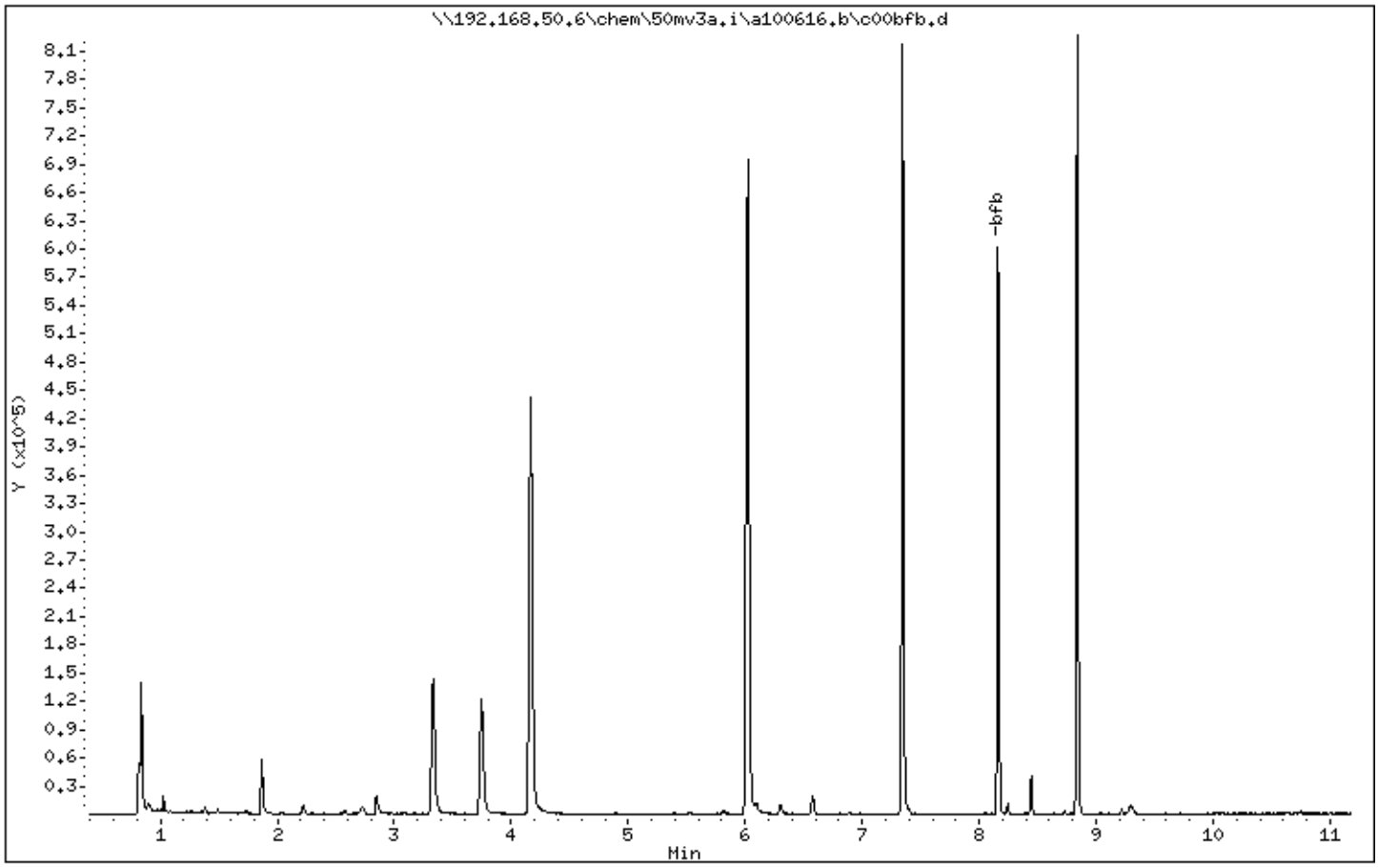
Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c00bfb.d

Date : 07-OCT-2016 00:13

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,131975:0

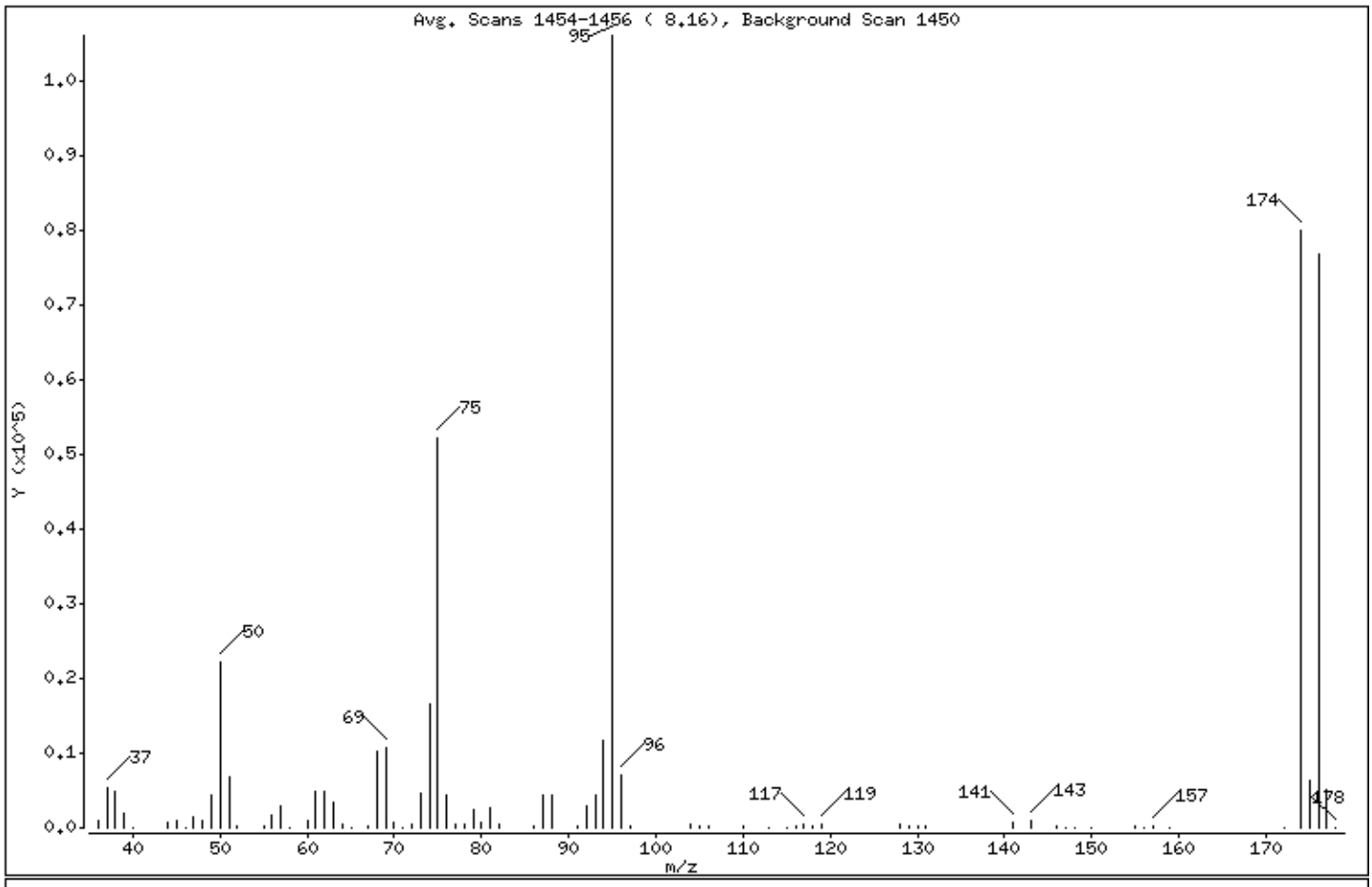
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.81
75	30.00 - 60.00% of mass 95	49.27
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.46
175	5.00 - 9.00% of mass 174	5.93 (7.86)
176	95.00 - 101.00% of mass 174	72.36 (95.90)
177	5.00 - 9.00% of mass 176	4.81 (6.65)

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c00bfb.d

Date : 07-OCT-2016 00:13

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

Data File: c00bfb.d
Spectrum: Avg. Scans 1454-1456 (8.16), Background Scan 1450
Location of Maximum: 95.00
Number of points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1096	63.00	3489	88.00	4407	131.00	124
37.00	5404	64.00	401	91.00	349	141.00	830
38.00	4901	65.00	69	92.00	2820	143.00	1029
39.00	1879	67.00	259	93.00	4435	146.00	176
40.00	47	68.00	10273	94.00	11627	147.00	71
44.00	625	69.00	10645	95.00	106192	148.00	105
45.00	863	70.00	780	96.00	7118	150.00	58
46.00	105	71.00	59	97.00	245	155.00	160
47.00	1418	72.00	567	104.00	442	156.00	64
48.00	876	73.00	4611	105.00	153	157.00	200
49.00	4291	74.00	16544	106.00	363	159.00	86
50.00	22096	75.00	52320	110.00	125	172.00	73
51.00	6842	76.00	4486	113.00	54	174.00	80128
52.00	279	77.00	541	115.00	81	175.00	6295
55.00	360	78.00	437	116.00	311	176.00	76840
56.00	1642	79.00	2327	117.00	440	177.00	5113
57.00	2986	80.00	669	118.00	327	178.00	121
58.00	67	81.00	2605	119.00	547		
60.00	1056	82.00	460	128.00	374		
61.00	4784	86.00	184	129.00	237		
62.00	4889	87.00	4331	130.00	193		

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c01ccv-bfb.d

Date : 10-OCT-2016 21:48

Client ID:

Instrument: 50mv3a.i

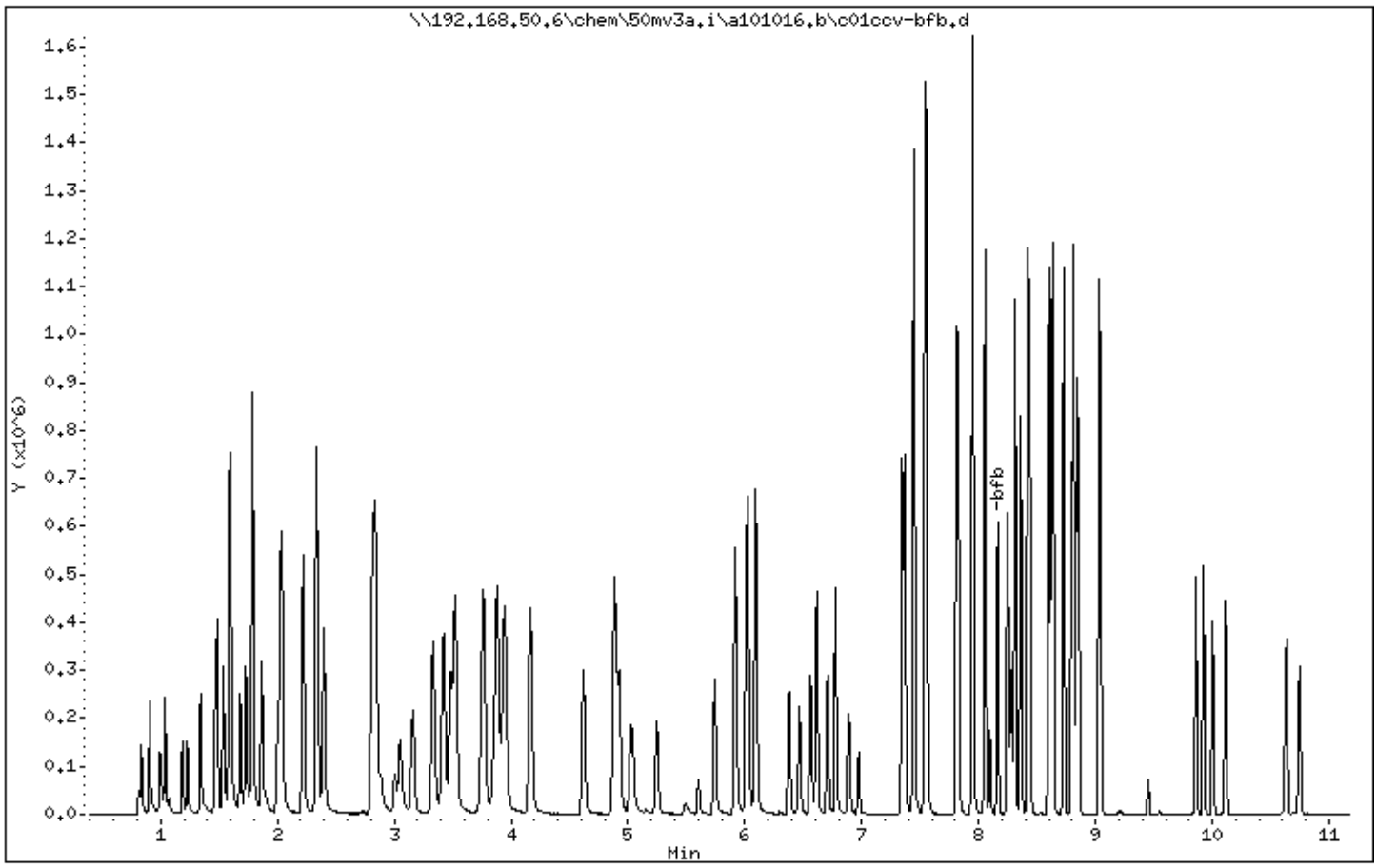
Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c01ccv-bfb.d

Date : 10-OCT-2016 21:48

Client ID:

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,131975:0

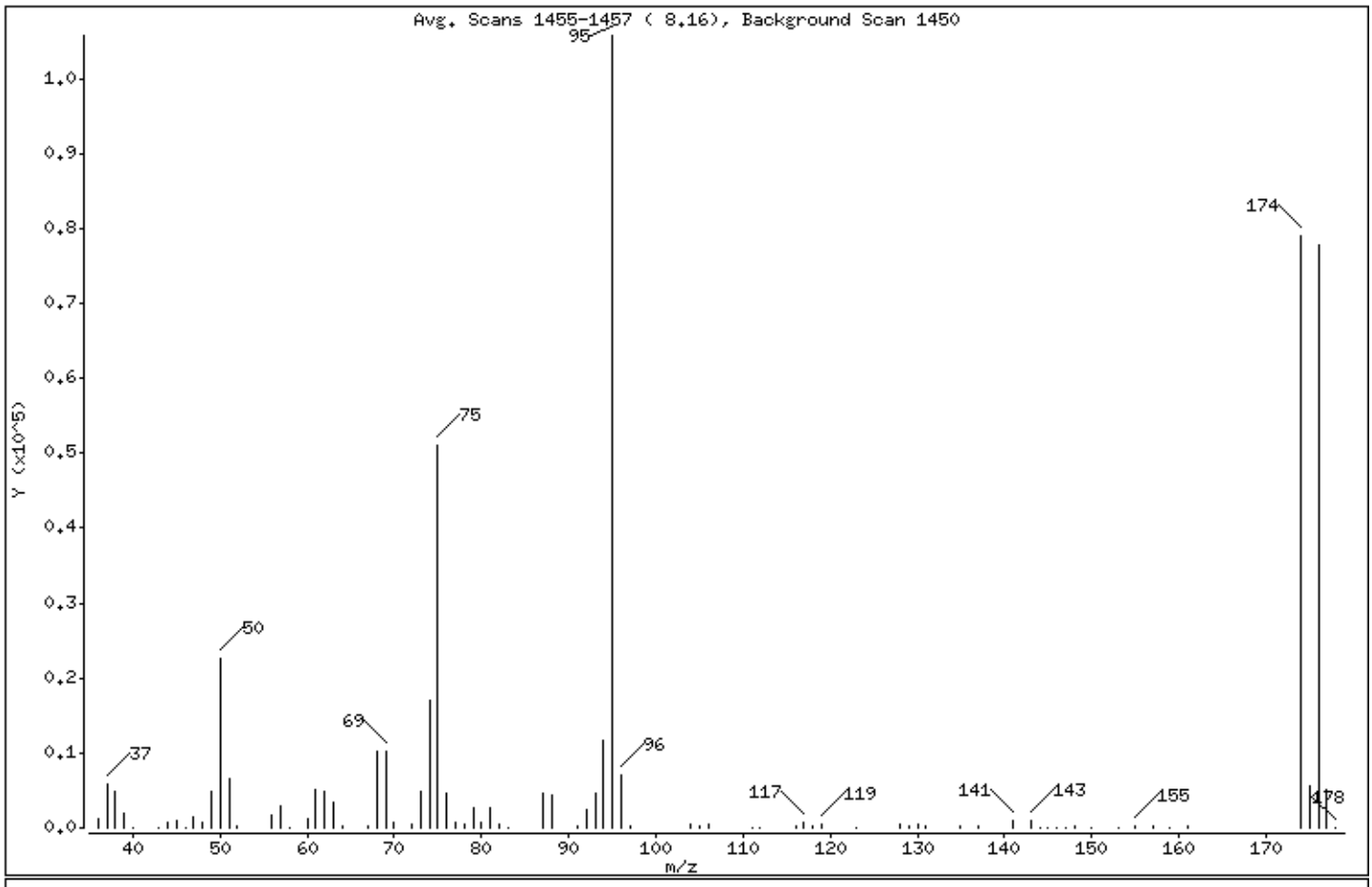
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.33
75	30.00 - 60.00% of mass 95	48.34
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	74.74
175	5.00 - 9.00% of mass 174	5.28 (7.06)
176	95.00 - 101.00% of mass 174	73.49 (98.33)
177	5.00 - 9.00% of mass 176	4.90 (6.66)

Date : 10-OCT-2016 21:48

Client ID: Instrument: 50mv3a.i

Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0 Operator: jlz

Column phase: Column diameter: 2.00

Data File: c01ccv-bfb.d
Spectrum: Avg. Scans 1455-1457 (8.16), Background Scan 1450
Location of Maximum: 95.00
Number of points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1206	63.00	3320	92.00	2393	137.00	356
37.00	5906	64.00	327	93.00	4606	141.00	994
38.00	4829	67.00	165	94.00	11629	143.00	912
39.00	1946	68.00	10105	95.00	105736	144.00	52
40.00	30	69.00	10209	96.00	6935	145.00	58
43.00	64	70.00	710	97.00	185	146.00	67
44.00	783	72.00	587	104.00	441	147.00	70
45.00	992	73.00	4832	105.00	166	148.00	210
46.00	53	74.00	17008	106.00	396	150.00	87
47.00	1381	75.00	51112	111.00	58	153.00	62
48.00	675	76.00	4625	112.00	63	155.00	282
49.00	4803	77.00	686	116.00	318	157.00	126
50.00	22552	78.00	411	117.00	700	159.00	104
51.00	6682	79.00	2560	118.00	287	161.00	161
52.00	313	80.00	815	119.00	562	174.00	79024
56.00	1691	81.00	2637	123.00	53	175.00	5581
57.00	2982	82.00	562	128.00	376	176.00	77704
58.00	99	83.00	77	129.00	153	177.00	5176
60.00	1099	87.00	4564	130.00	438	178.00	68
61.00	5122	88.00	4480	131.00	162		
62.00	4895	91.00	318	135.00	165		

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b00bfb.d

Date : 06-OCT-2016 12:12

Client ID:

Instrument: 50mv3b.i

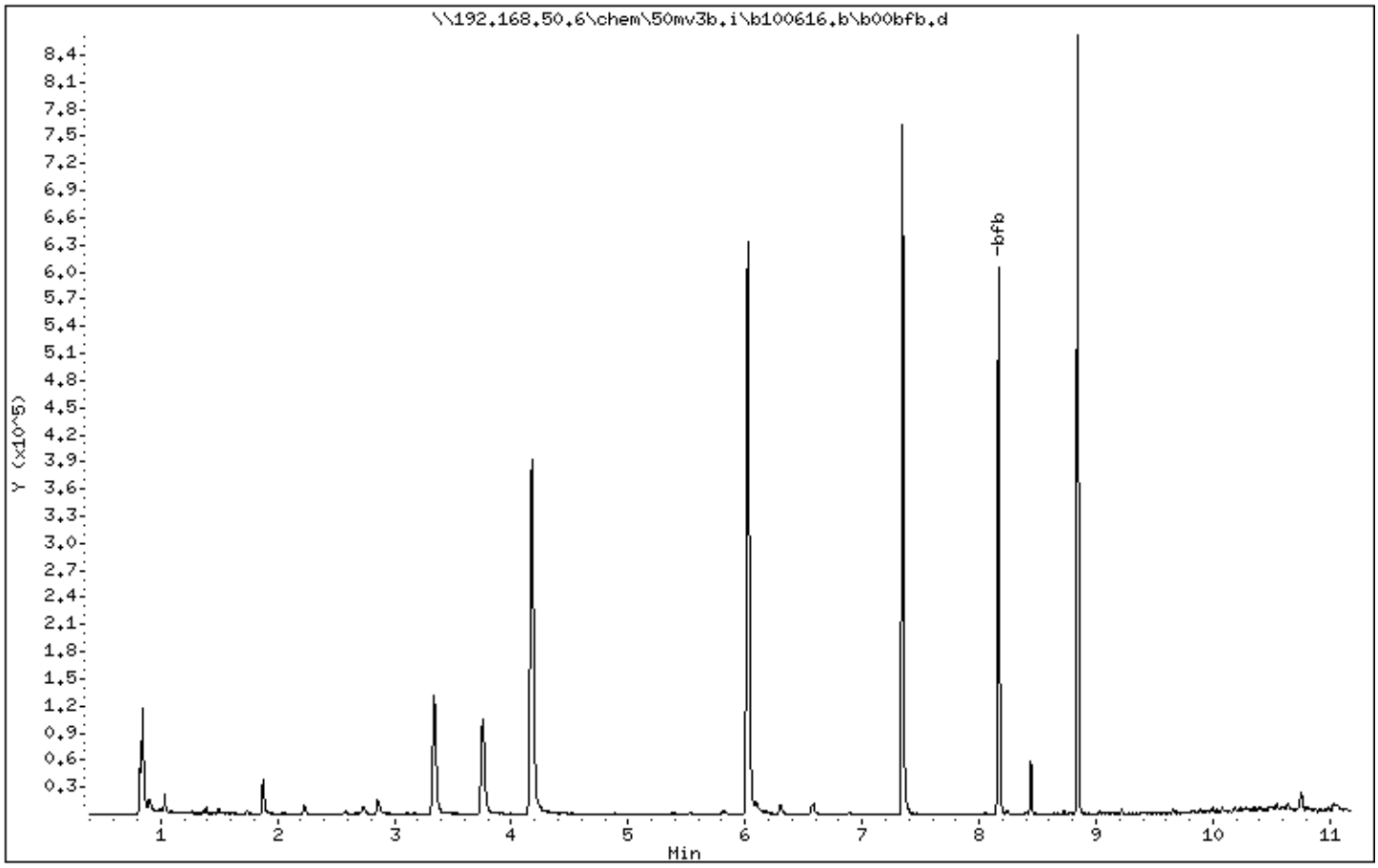
Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b00bfb.d

Date : 06-OCT-2016 12:12

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-TUNE,131975:0

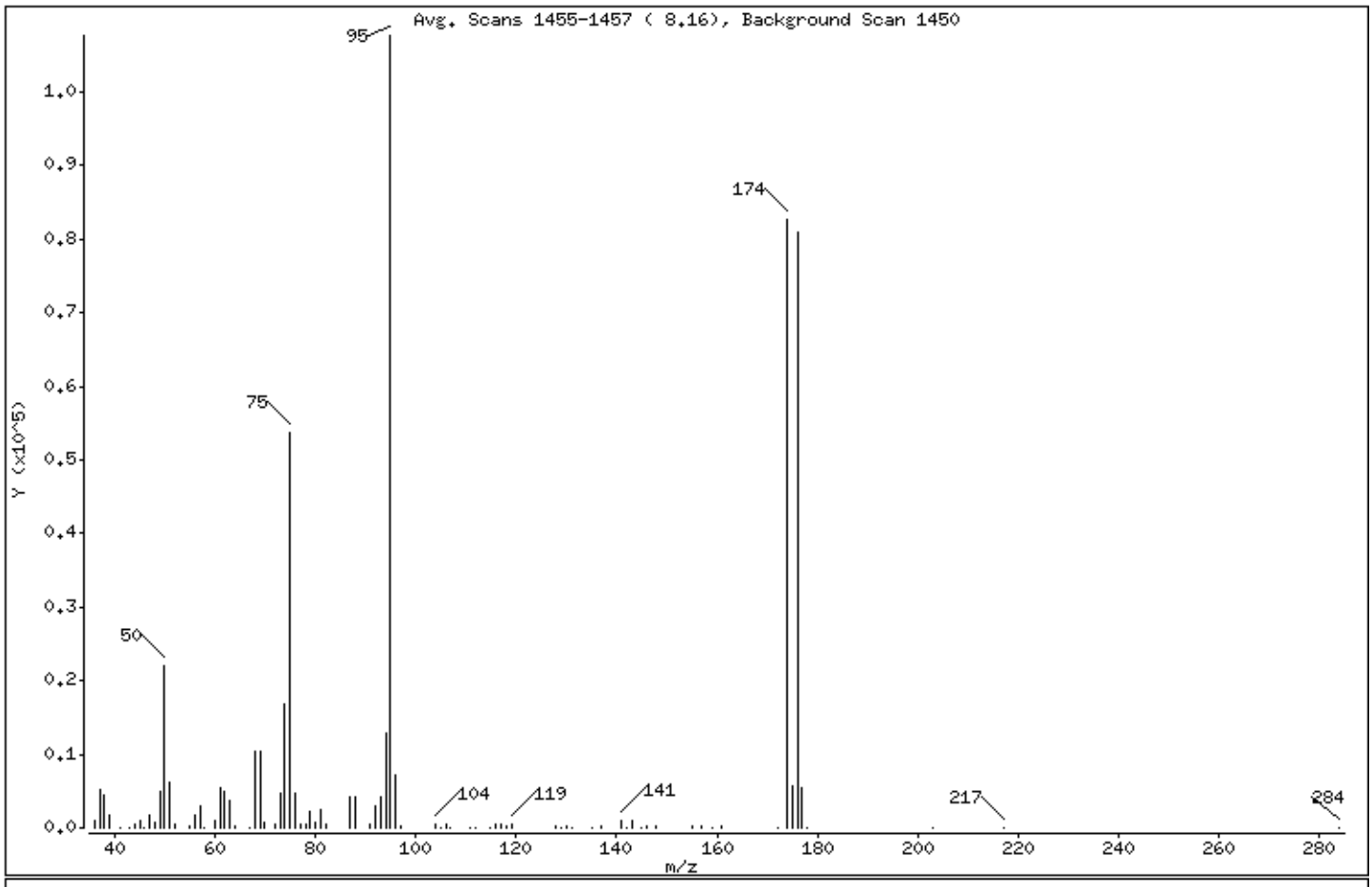
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.56
75	30.00 - 60.00% of mass 95	49.84
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.75
175	5.00 - 9.00% of mass 174	5.40 (7.03)
176	95.00 - 101.00% of mass 174	75.16 (97.94)
177	5.00 - 9.00% of mass 176	5.06 (6.74)

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b00bfb.d

Date : 06-OCT-2016 12:12

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

Data File: b00bfb.d
Spectrum: Avg. Scans 1455-1457 (8.16), Background Scan 1450
Location of Maximum: 95.00
Number of points: 84

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	989	63.00	3703	94.00	12904	142.00	59
37.00	5278	64.00	326	95.00	107680	143.00	893
38.00	4459	67.00	90	96.00	7237	145.00	53
39.00	1653	68.00	10353	97.00	179	146.00	184
41.00	113	69.00	10498	104.00	470	148.00	320
43.00	51	70.00	852	105.00	59	155.00	271
44.00	447	72.00	534	106.00	444	157.00	135
45.00	969	73.00	4813	107.00	66	159.00	60
46.00	81	74.00	16872	111.00	54	161.00	147
47.00	1681	75.00	53664	112.00	65	172.00	60
48.00	837	76.00	4668	115.00	60	174.00	82640
49.00	4920	77.00	615	116.00	399	175.00	5811
50.00	22136	78.00	570	117.00	460	176.00	80936
51.00	6104	79.00	2278	118.00	323	177.00	5453
52.00	429	80.00	640	119.00	497	178.00	117
55.00	324	81.00	2590	128.00	371	203.00	50
56.00	1621	82.00	495	129.00	118	217.00	51
57.00	2981	87.00	4240	130.00	282	284.00	55
58.00	70	88.00	4145	131.00	63		
60.00	887	91.00	445	135.00	106		
61.00	5323	92.00	2978	137.00	137		
62.00	4946	93.00	4164	141.00	987		

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d00bfb.d

Date : 07-OCT-2016 00:29

Client ID:

Instrument: 50mv3b.i

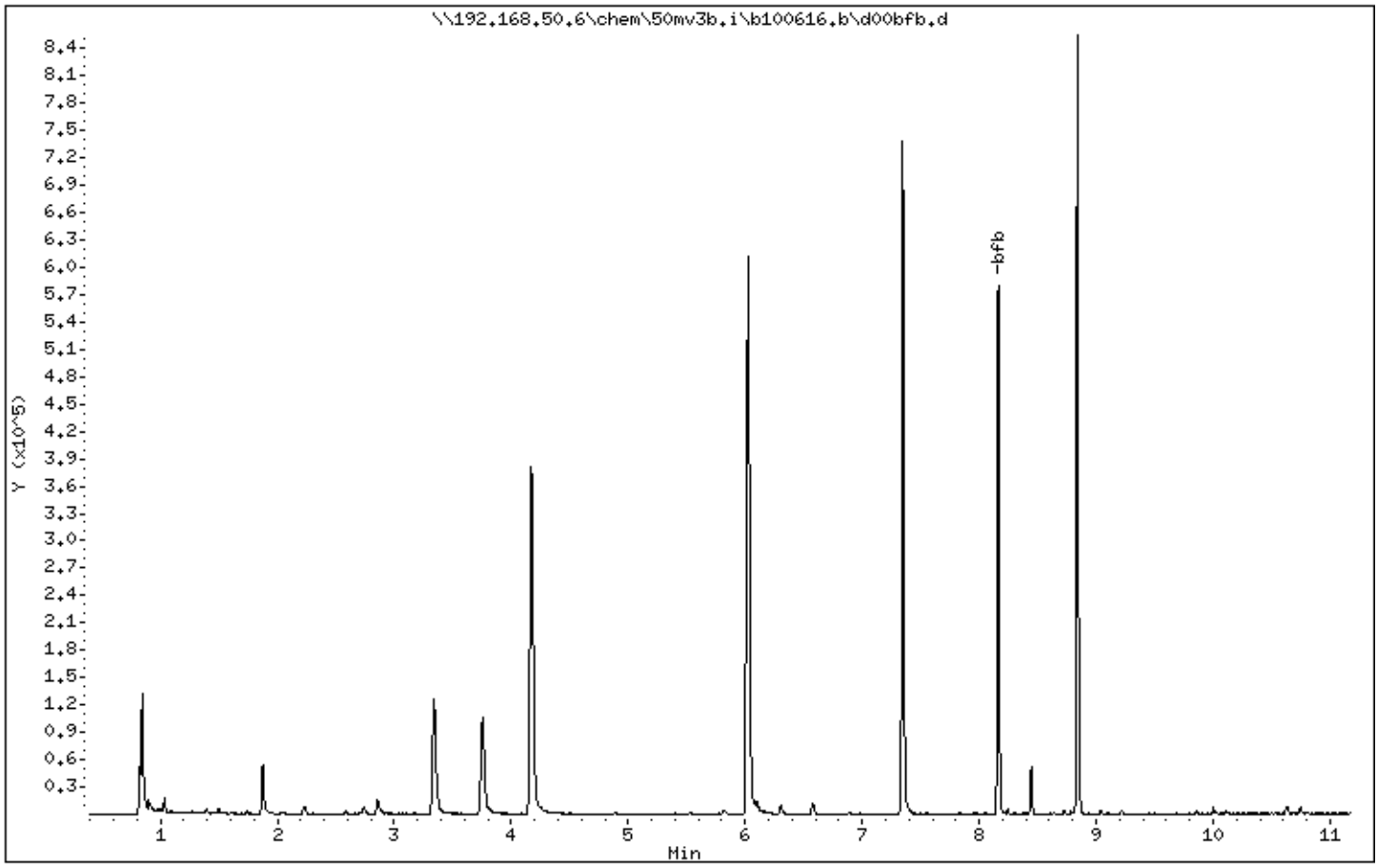
Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d00bfb.d

Date : 07-OCT-2016 00:29

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-TUNE,131975:0

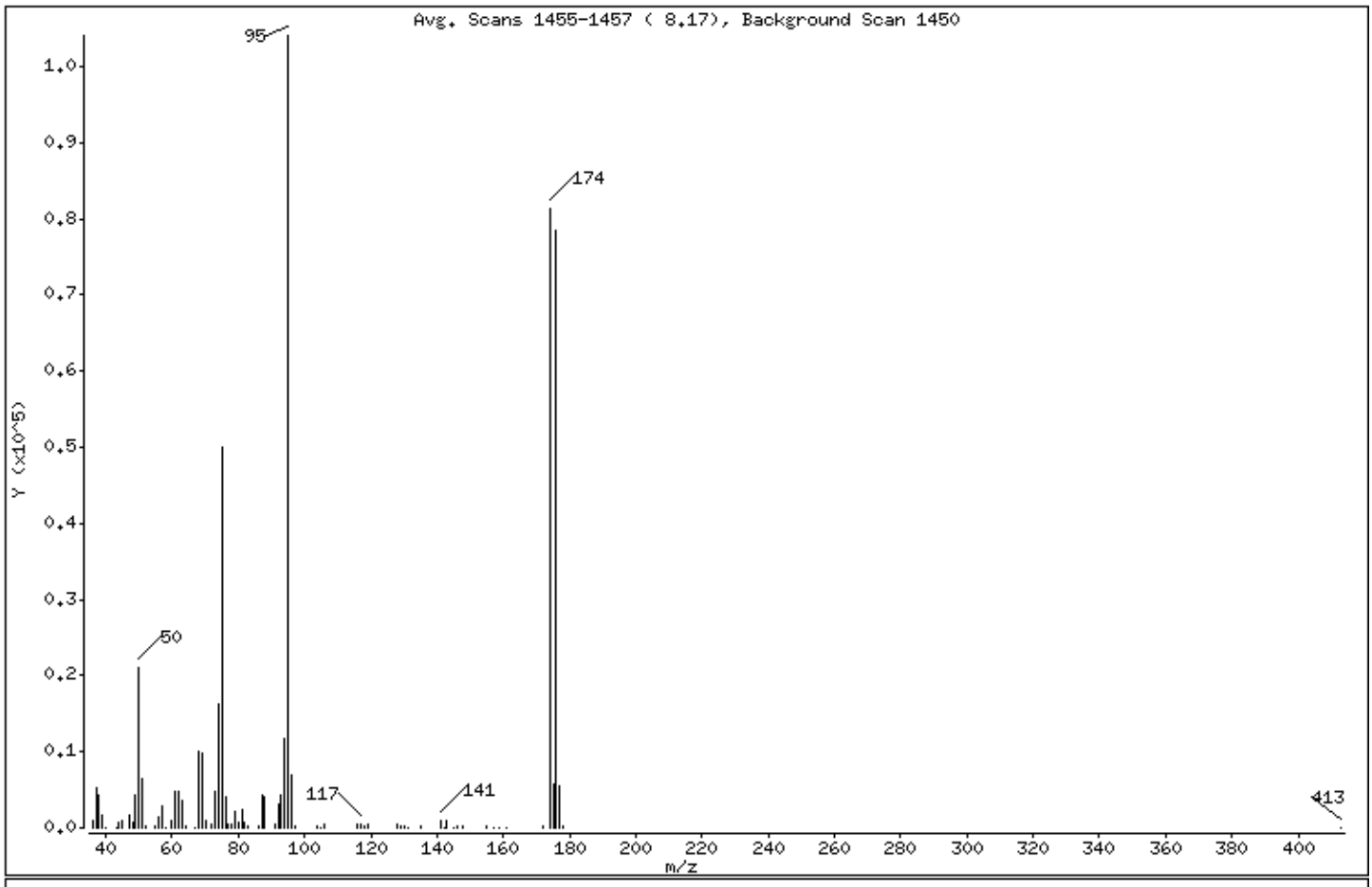
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.30
75	30.00 - 60.00% of mass 95	48.01
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	78.20
175	5.00 - 9.00% of mass 174	5.52 (7.06)
176	95.00 - 101.00% of mass 174	75.32 (96.31)
177	5.00 - 9.00% of mass 176	5.18 (6.88)

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d00bfb.d

Date : 07-OCT-2016 00:29

Client ID:

Instrument: 50mv3b.i

Sample Info: 8260-TUNE,131975:0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

Data File: d00bfb.d
Spectrum: Avg. Scans 1455-1457 (8.17), Background Scan 1450
Location of Maximum: 95.00
Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	881	62.00	4696	87.00	4331	135.00	141
37.00	5250	63.00	3490	88.00	4027	141.00	970
38.00	4343	64.00	329	91.00	470	142.00	80
39.00	1598	67.00	66	92.00	3096	143.00	954
40.00	110	68.00	9942	93.00	4315	145.00	114
43.00	84	69.00	9803	94.00	11654	146.00	132
44.00	746	70.00	873	95.00	104072	148.00	267
45.00	1002	72.00	563	96.00	7008	155.00	289
47.00	1672	73.00	4717	97.00	187	157.00	98
48.00	740	74.00	16245	104.00	263	159.00	110
49.00	4395	75.00	49960	105.00	77	161.00	57
50.00	21128	76.00	4020	106.00	428	172.00	251
51.00	6487	77.00	543	116.00	427	174.00	81384
52.00	305	78.00	482	117.00	507	175.00	5748
55.00	251	79.00	2265	118.00	333	176.00	78384
56.00	1474	80.00	713	119.00	483	177.00	5389
57.00	2790	81.00	2383	128.00	374	178.00	207
58.00	55	82.00	599	129.00	176	413.00	61
60.00	1056	83.00	146	130.00	312		
61.00	4780	86.00	165	131.00	113		

SAMPLE NO.

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MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 13:48 Lab Sample ID: 1642749

Date Analyzed: 10/06/2016 13:48 Lab File ID: B100616.B\B03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

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MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 13:48 Lab Sample ID: 1642749

Date Analyzed: 10/06/2016 13:48 Lab File ID: B100616.B\B03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d
Lab Smp Id: 1642749
Inj Date : 06-OCT-2016 13:48
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642749
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
18 Methylene Chloride	84	1.872	1.872	(0.449)	13053	4.60025	4.60	
$ 35 Dibromofluoromethane (S)	113	3.341	3.341	(0.800)	83534	47.7660	47.8	
* 44 Fluorobenzene (IS)	96	4.174	4.174	(1.000)	379841	50.0000		
$ 55 Toluene-d8 (S)	98	6.022	6.022	(0.820)	390548	47.2420	47.2	
56 Toluene	91	6.097	6.097	(0.830)	5127	0.49895	0.499	
* 65 Chlorobenzene-D5 (IS)	117	7.347	7.347	(1.000)	279840	50.0000		
$ 74 4-Bromofluorobenzene (S)	95	8.164	8.164	(1.111)	135412	52.0364	52.0	
* 88 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	135052	50.0000		
89 1,4-Dichlorobenzene	146	8.853	8.853	(1.001)	1073	0.23514	0.235(Q)	
95 Naphthalene	128	10.012	10.006	(1.132)	3918	0.74747	0.747	
97 2,methyl-naphthalene	142	10.637	10.642	(1.203)	4837	1.55222	1.55	
98 1-Methylnaphthalene	142	10.754	10.759	(1.216)	5622	2.17959	2.18	

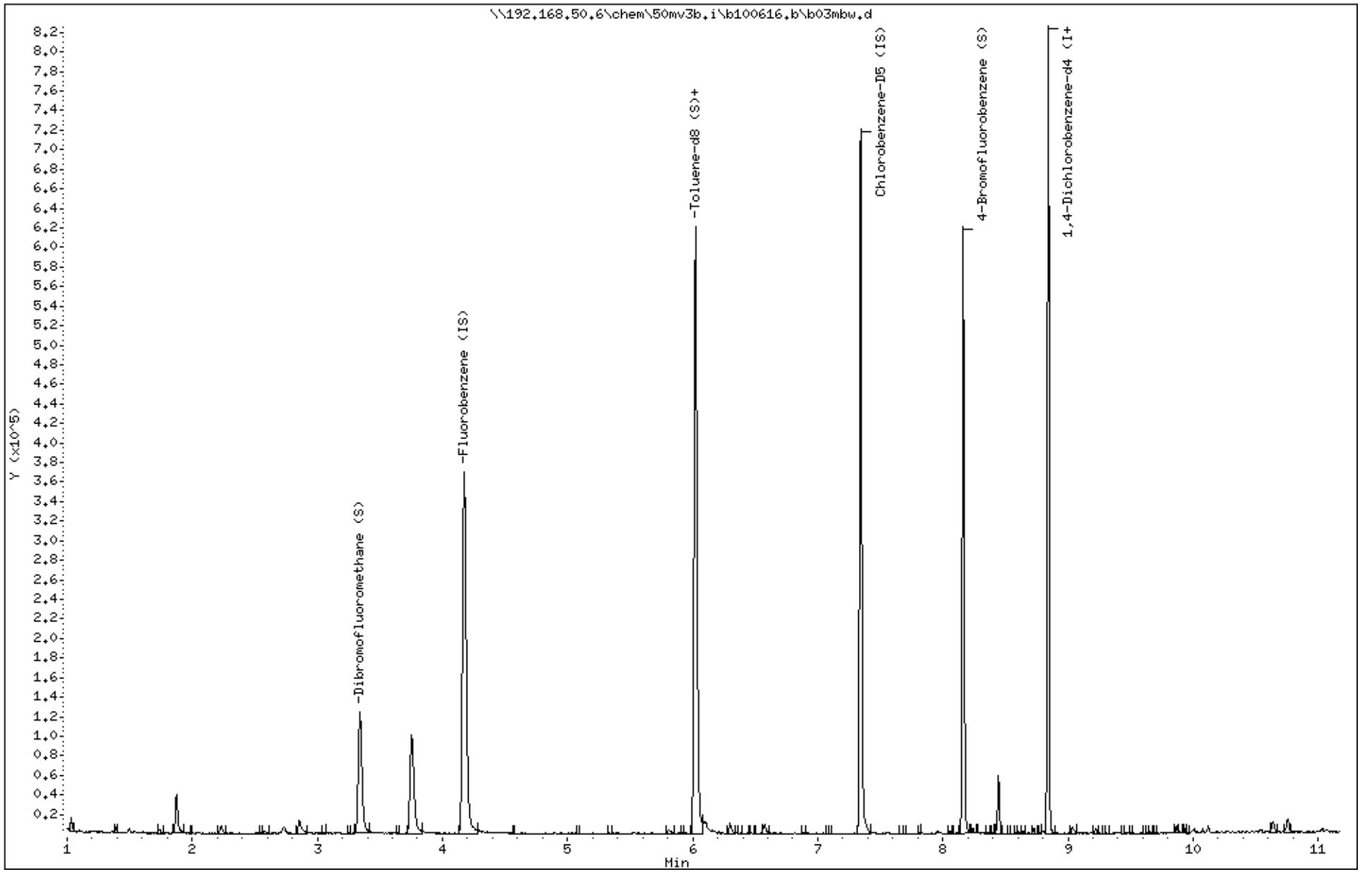
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d
Date : 06-OCT-2016 13:48
Client ID:
Instrument: 50mv3b.i
Sample Info: 1642749
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d

Date : 06-OCT-2016 13:48

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642749

Purge Volume: 5.0

Operator: jlz

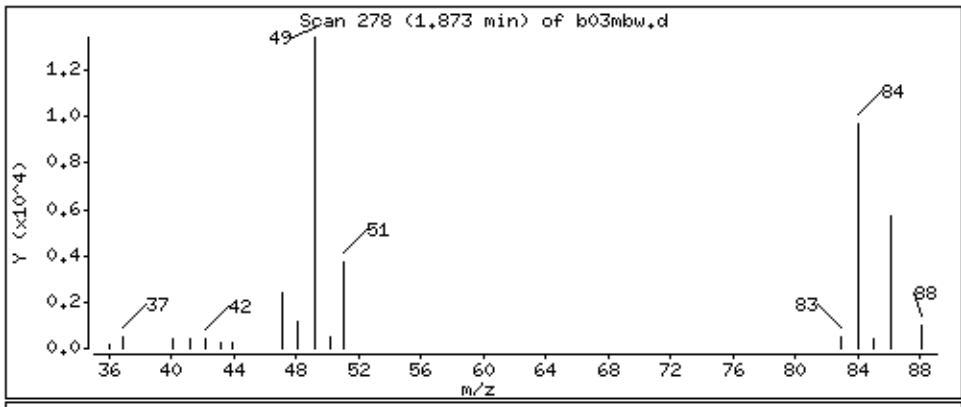
Column phase: DB-624

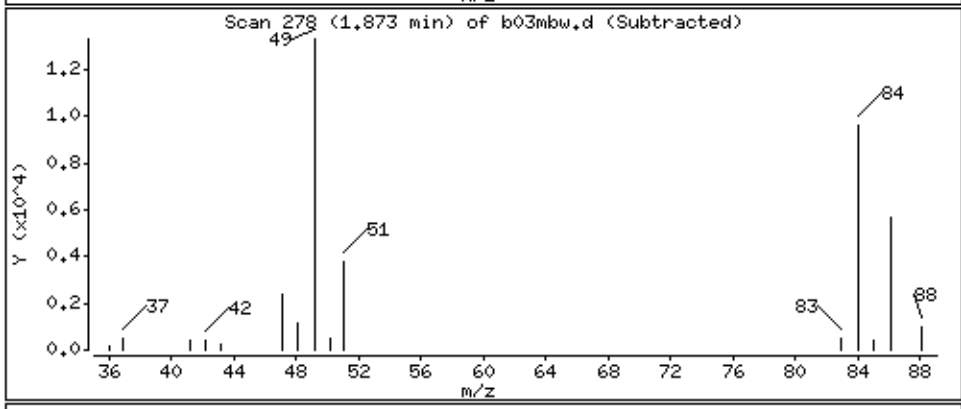
Column diameter: 0.18

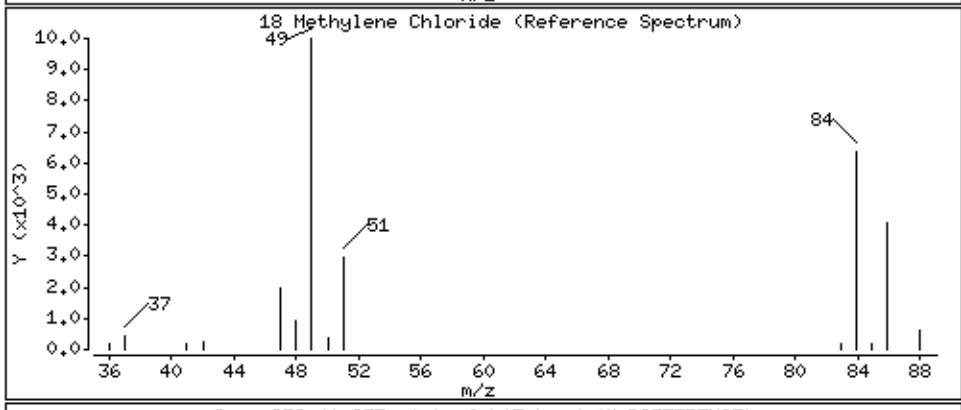
18 Methylene Chloride

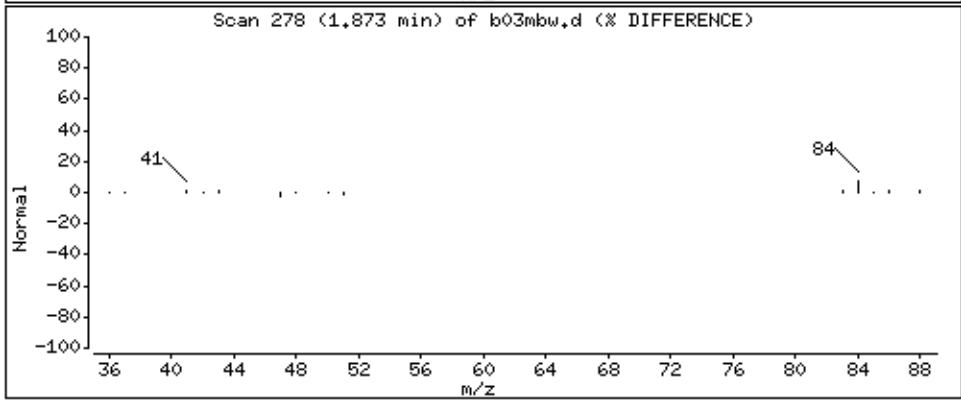
Concentration: 4.60 ppb

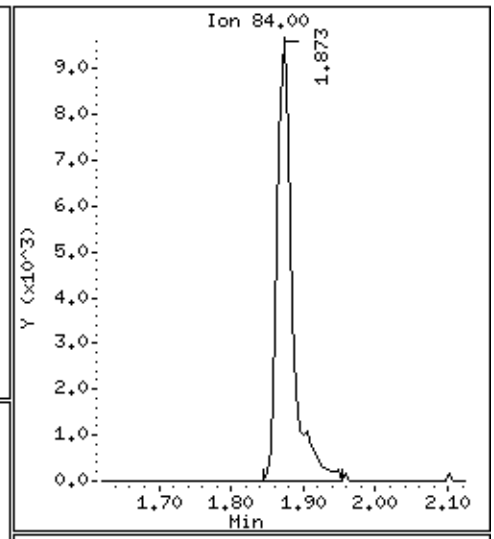
Review Code:

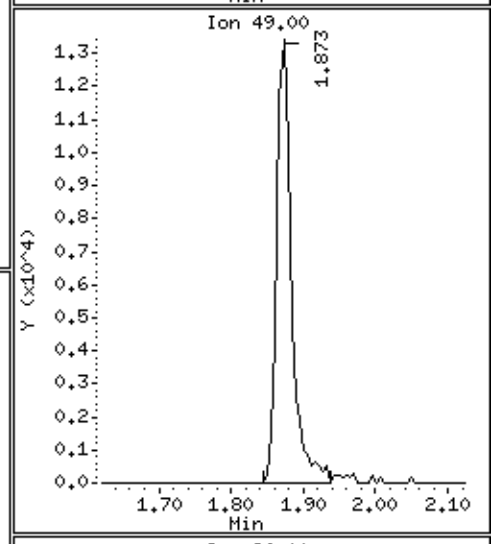


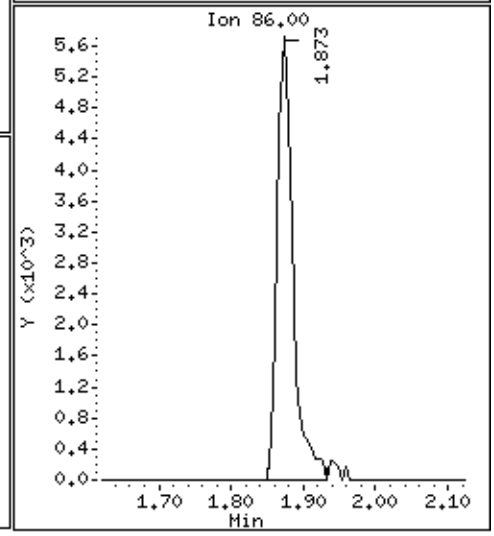












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d

Date : 06-OCT-2016 13:48

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642749

Purge Volume: 5.0

Operator: jlz

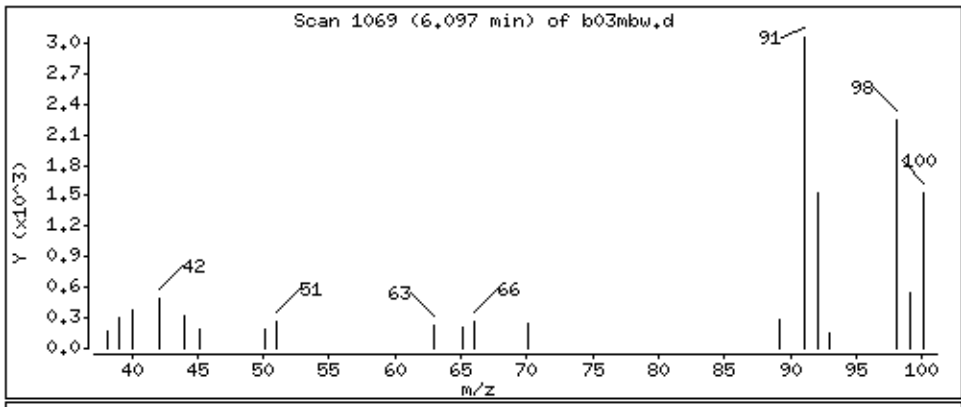
Column phase: DB-624

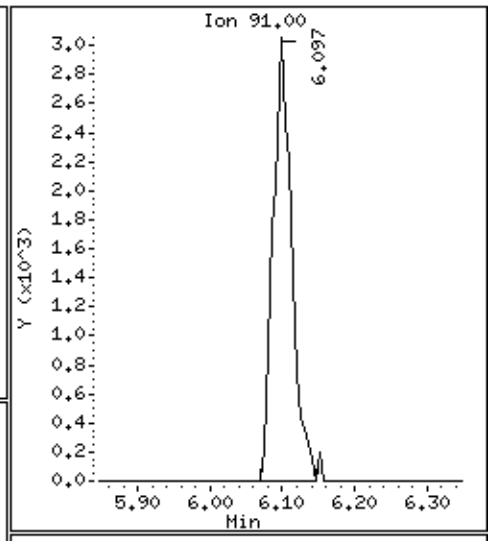
Column diameter: 0.18

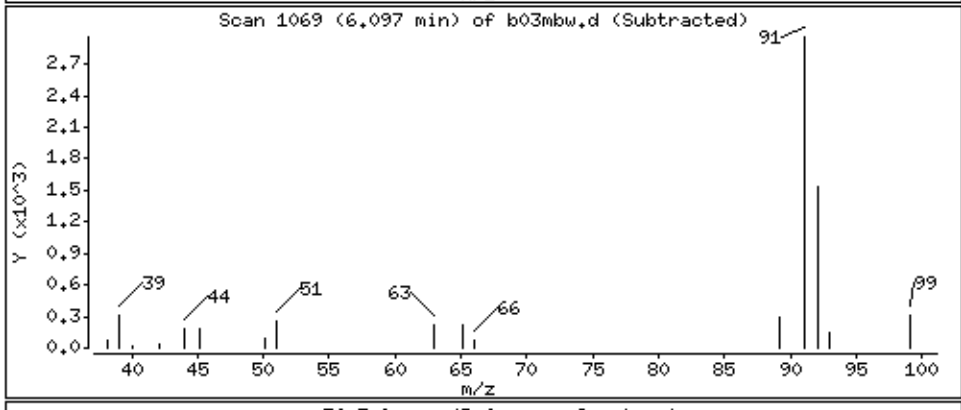
56 Toluene

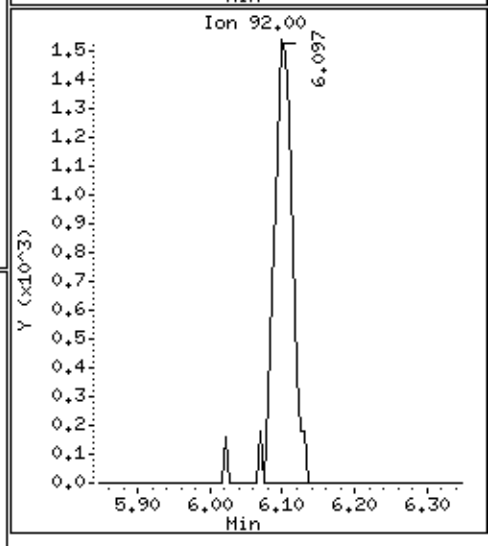
Concentration: 0.499 ppb

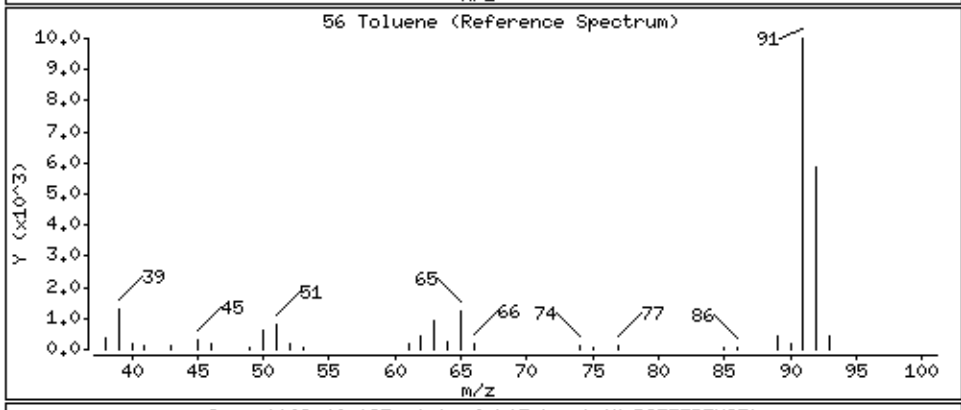
Review Code:

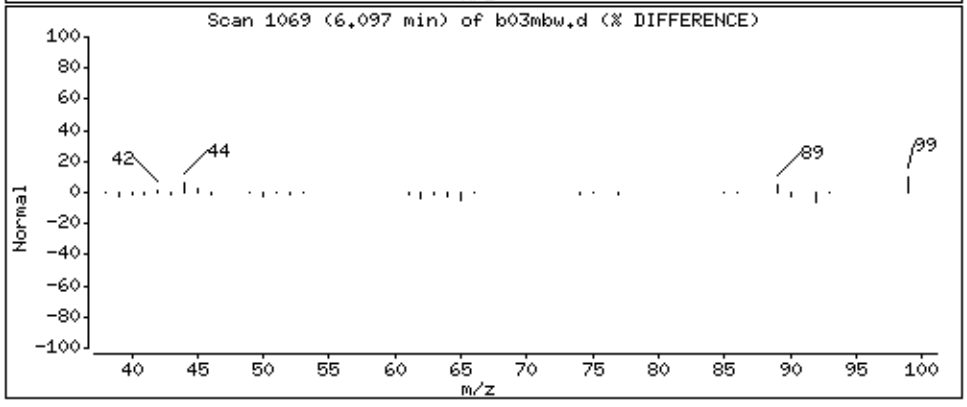












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d

Date : 06-OCT-2016 13:48

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642749

Purge Volume: 5.0

Operator: jlz

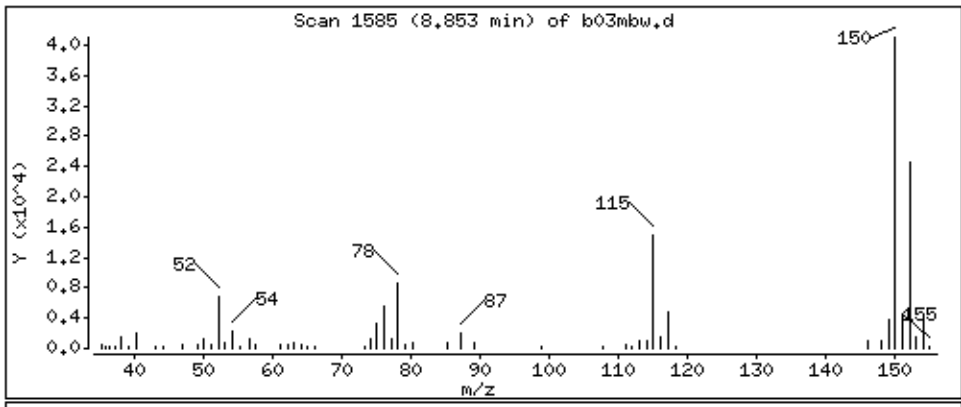
Column phase: DB-624

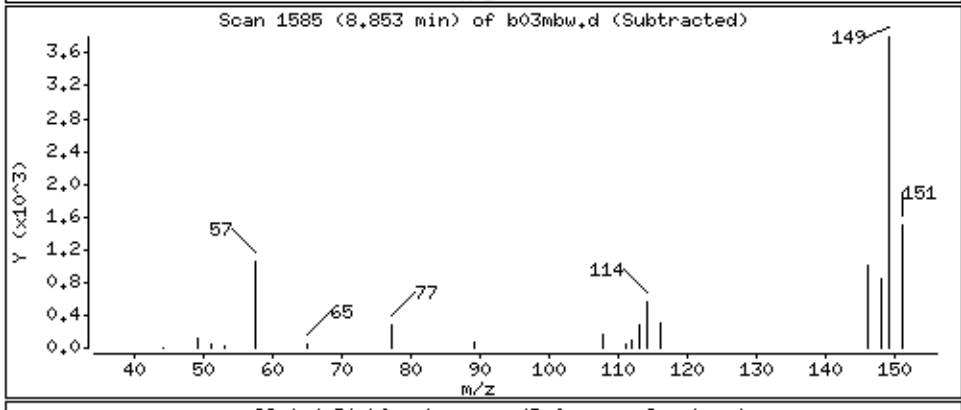
Column diameter: 0.18

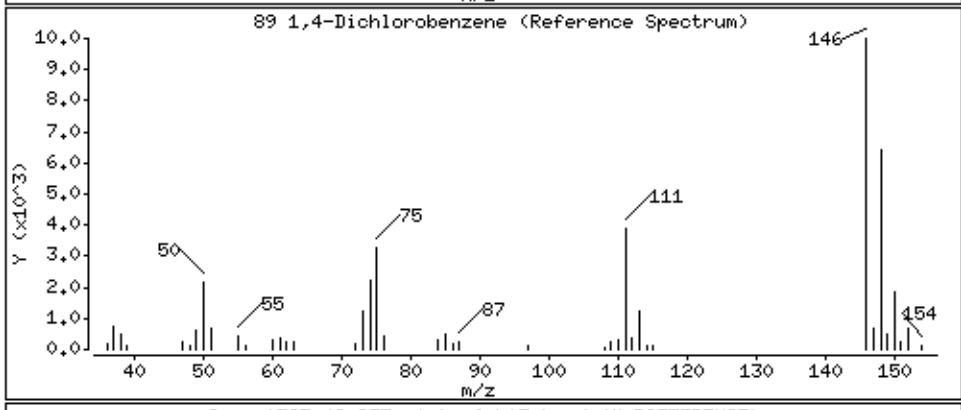
89 1,4-Dichlorobenzene

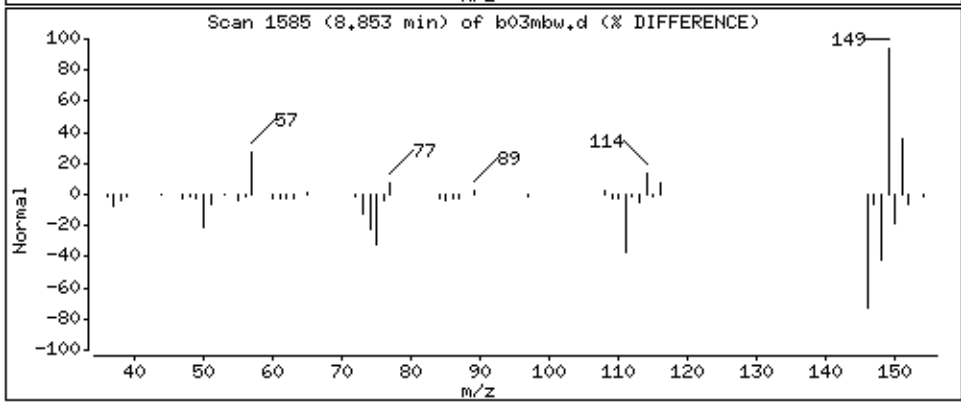
Concentration: 0.235 ppb

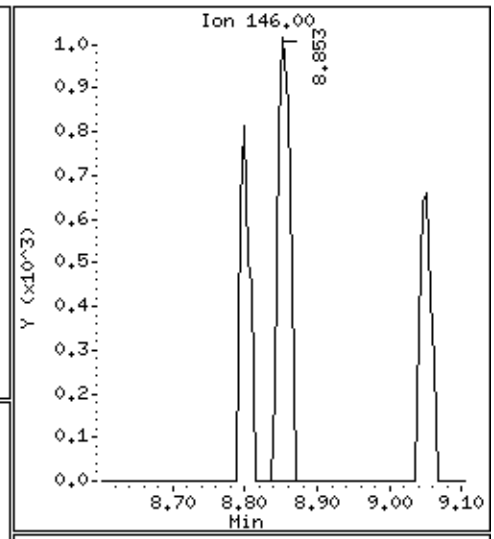
Review Code:

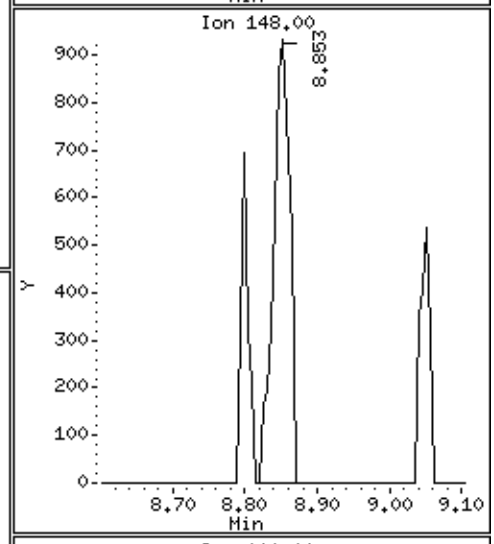


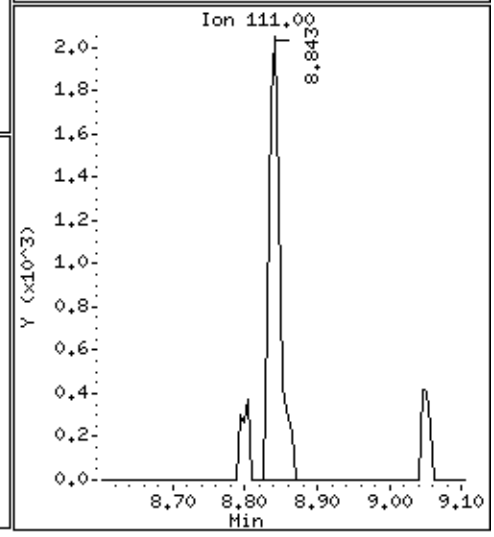












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d

Date : 06-OCT-2016 13:48

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642749

Purge Volume: 5.0

Operator: jlz

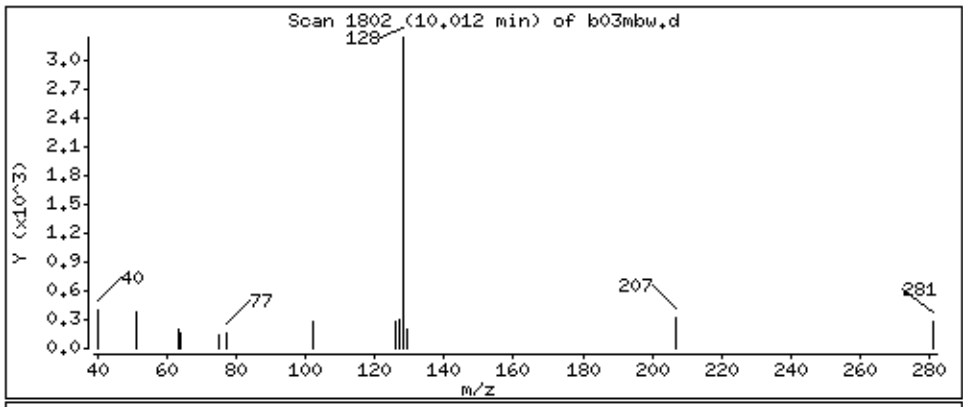
Column phase: DB-624

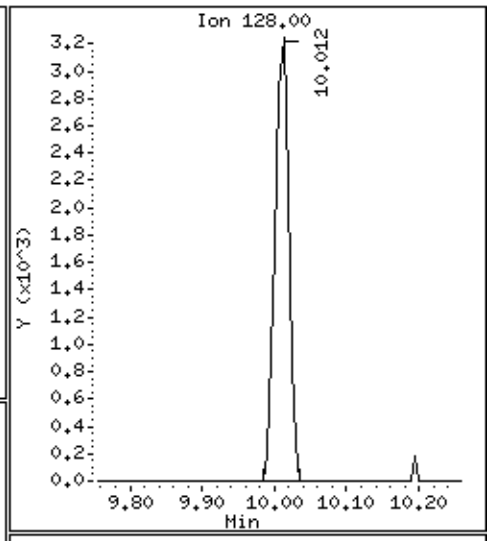
Column diameter: 0.18

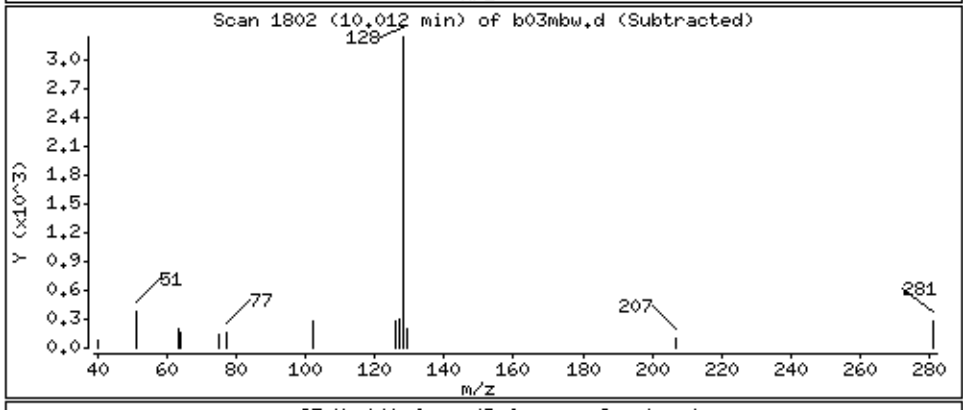
95 Naphthalene

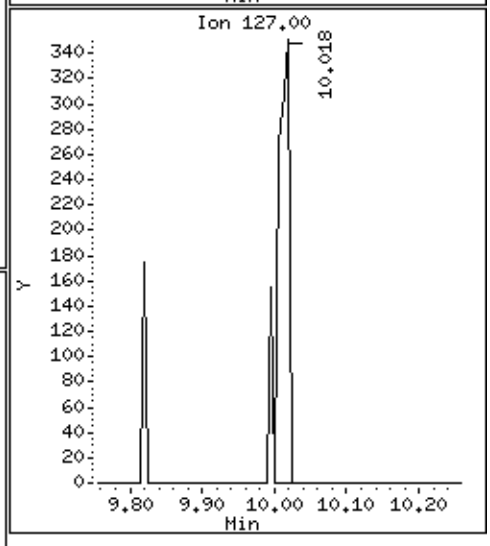
Concentration: 0.747 ppb

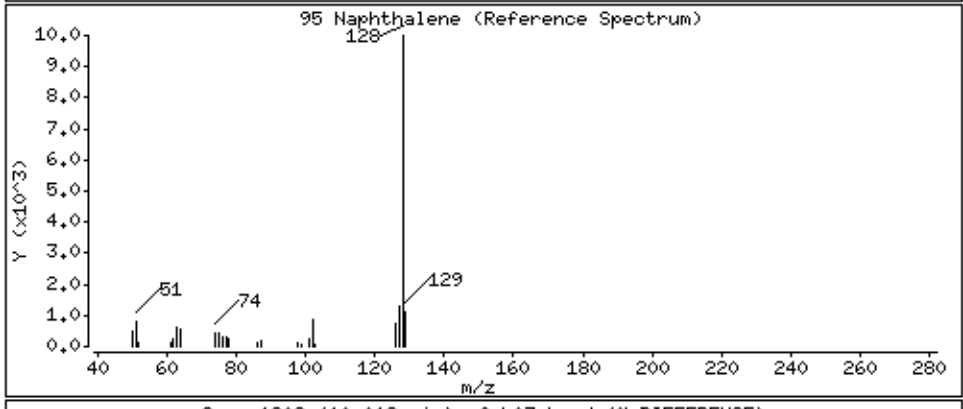
Review Code:

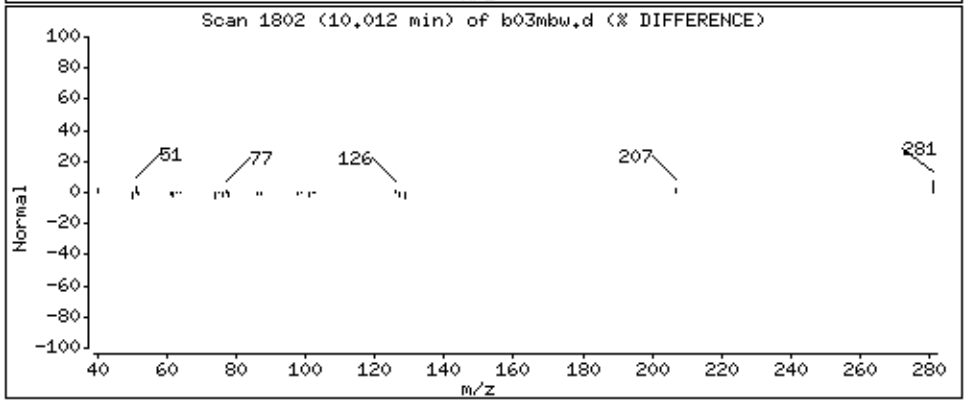












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d

Date : 06-OCT-2016 13:48

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642749

Purge Volume: 5.0

Operator: jlz

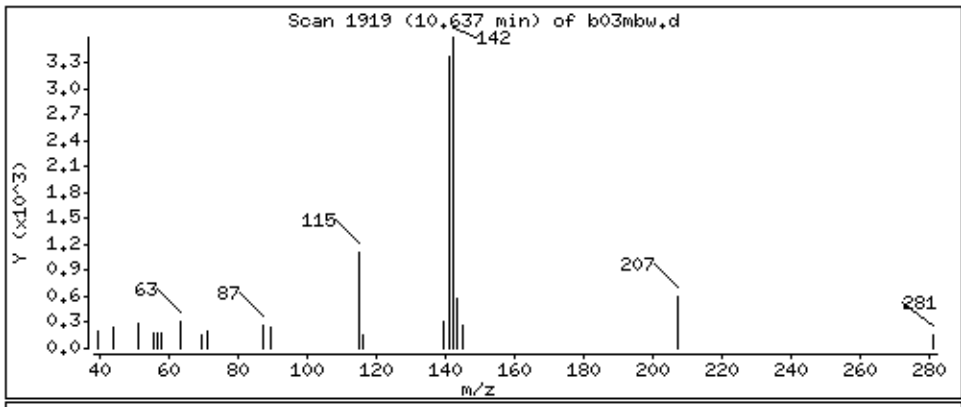
Column phase: DB-624

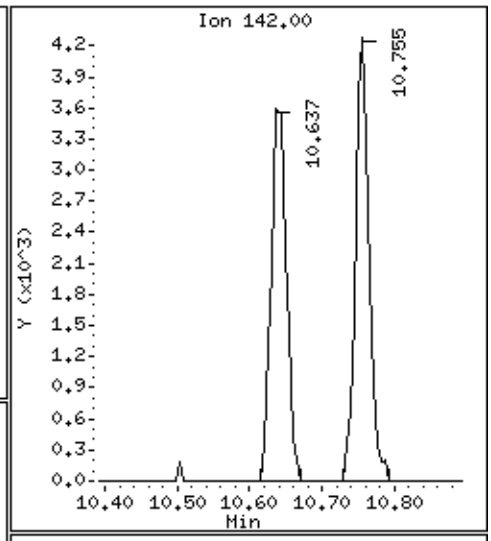
Column diameter: 0.18

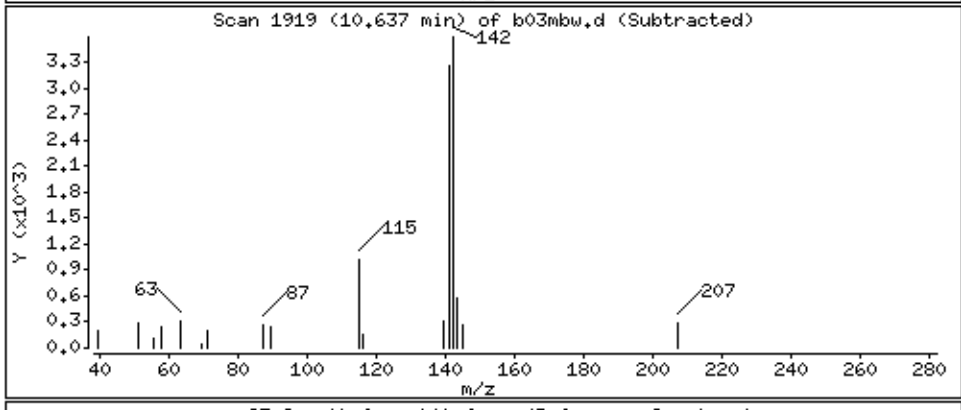
97 2,methyl-naphthalene

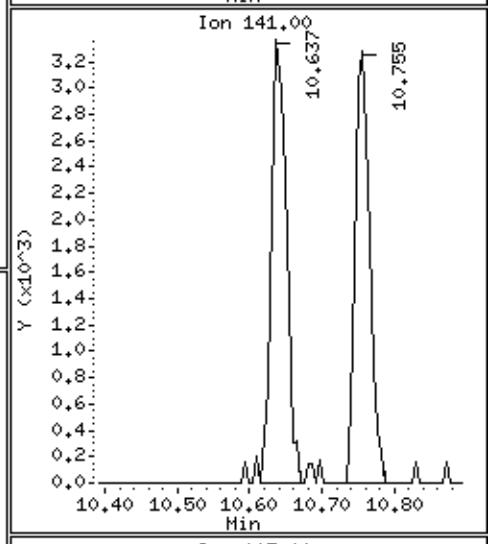
Concentration: 1.55 ppb

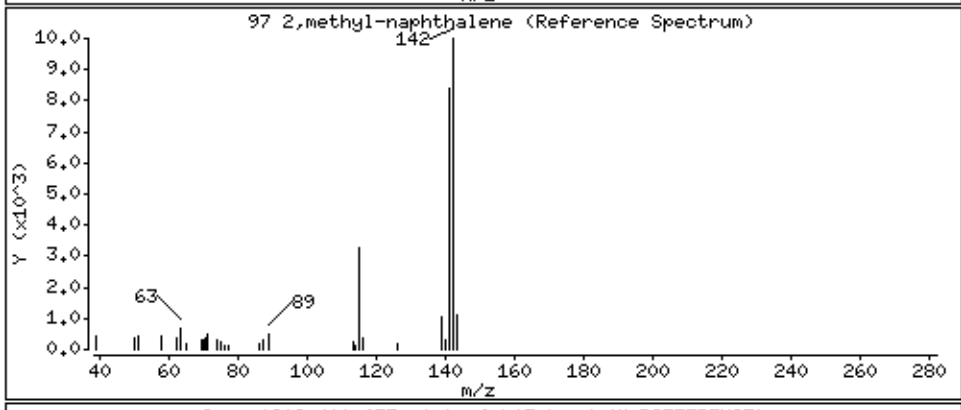
Review Code:

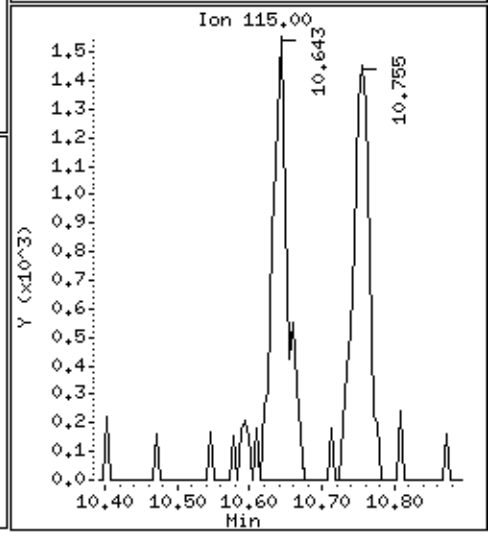


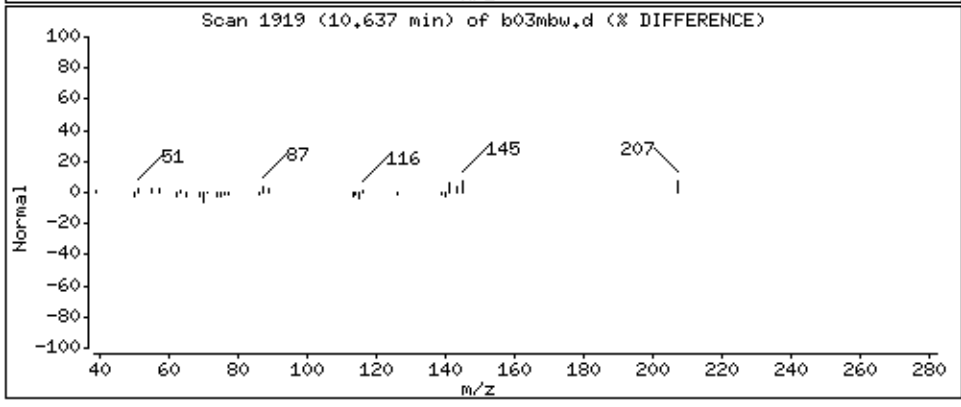












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b03mbw.d

Date : 06-OCT-2016 13:48

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642749

Purge Volume: 5.0

Operator: jlz

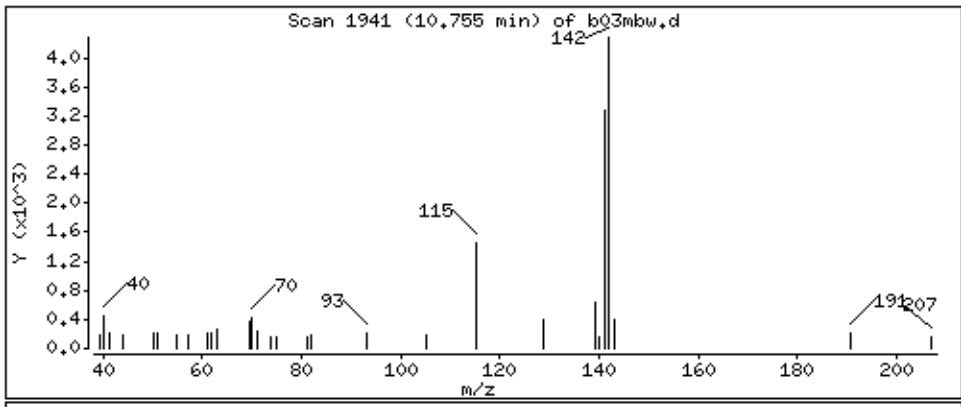
Column phase: DB-624

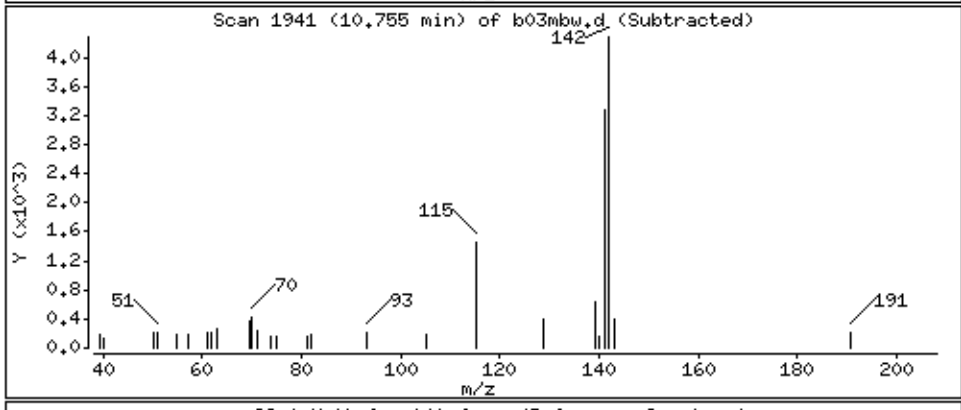
Column diameter: 0.18

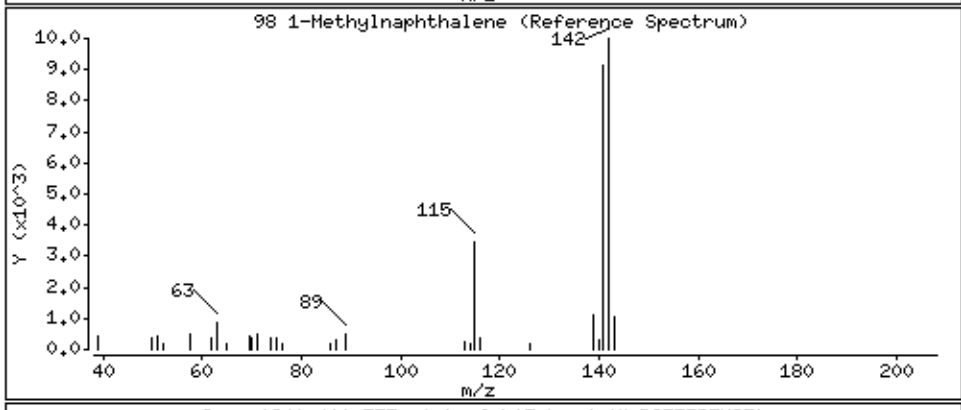
98 1-Methylnaphthalene

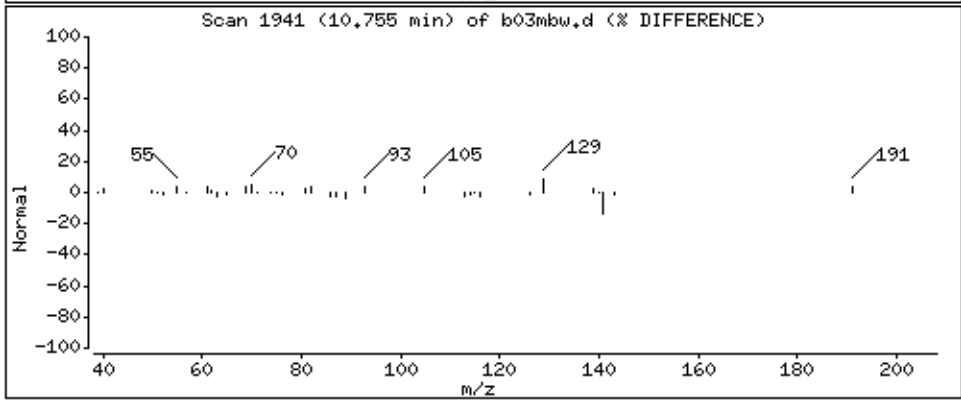
Concentration: 2.18 ppb

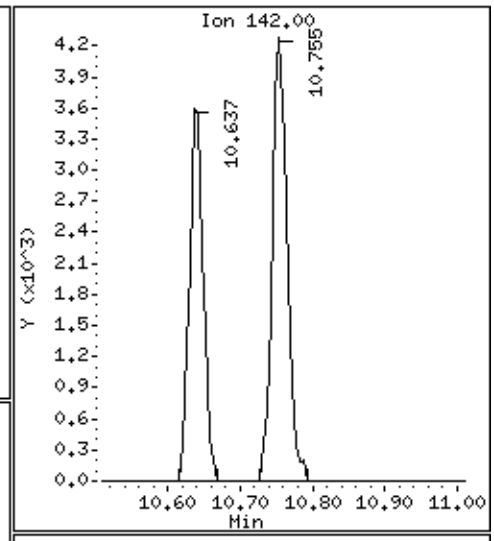
Review Code:

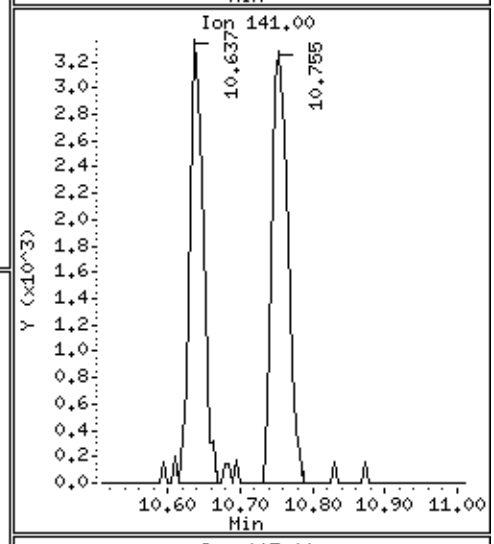


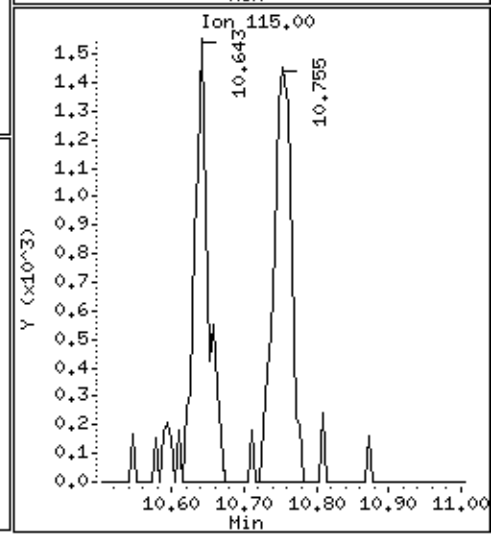












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b03mbw.d
Injection Date: 06-OCT-2016 13:48
Instrument: 50mv3b.i
Lab Sample ID: 1642749
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

LCS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 13:16 Lab Sample ID: 1642750

Date Analyzed: 10/06/2016 13:16 Lab File ID: B100616.B\B02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	347	
71-43-2	Benzene	46.2	
75-27-4	Bromodichloromethane	47.6	
75-25-2	Bromoform	46.6	
74-83-9	Bromomethane	35.0	
78-93-3	2-Butanone (MEK)	303	
75-15-0	Carbon disulfide	45.2	
56-23-5	Carbon tetrachloride	44.4	
108-90-7	Chlorobenzene	46.8	
75-00-3	Chloroethane	37.9	
67-66-3	Chloroform	42.8	
74-87-3	Chloromethane	31.5	
110-82-7	Cyclohexane	48.2	J
96-12-8	1,2-Dibromo-3-chloropropane	50.6	
124-48-1	Dibromochloromethane	45.7	
106-93-4	1,2-Dibromoethane (EDB)	48.1	
95-50-1	1,2-Dichlorobenzene	48.8	
541-73-1	1,3-Dichlorobenzene	48.9	
106-46-7	1,4-Dichlorobenzene	46.5	
75-71-8	Dichlorodifluoromethane	41.3	
75-34-3	1,1-Dichloroethane	45.8	
107-06-2	1,2-Dichloroethane	40.0	
75-35-4	1,1-Dichloroethene	46.6	
156-59-2	cis-1,2-Dichloroethene	46.5	
156-60-5	trans-1,2-Dichloroethene	47.4	
78-87-5	1,2-Dichloropropane	51.8	
10061-01-5	cis-1,3-Dichloropropene	48.2	
10061-02-6	trans-1,3-Dichloropropene	50.5	
100-41-4	Ethylbenzene	50.8	
591-78-6	2-Hexanone	297	
98-82-8	Isopropylbenzene (Cumene)	50.7	
79-20-9	Methyl acetate	65.5	
108-87-2	Methylcyclohexane	53.2	
75-09-2	Methylene Chloride	54.2	
108-10-1	4-Methyl-2-pentanone (MIBK)	244	
1634-04-4	Methyl-tert-butyl ether	45.5	
100-42-5	Styrene	52.2	

SAMPLE NO.

LCS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 13:16 Lab Sample ID: 1642750

Date Analyzed: 10/06/2016 13:16 Lab File ID: B100616.B\B02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	51.5	
127-18-4	Tetrachloroethene	46.2	
108-88-3	Toluene	42.8	
120-82-1	1,2,4-Trichlorobenzene	55.0	
71-55-6	1,1,1-Trichloroethane	43.8	
79-00-5	1,1,2-Trichloroethane	46.8	
79-01-6	Trichloroethene	49.3	
75-69-4	Trichlorofluoromethane	40.1	
76-13-1	1,1,2-Trichlorotrifluoroethane	44.1	
75-01-4	Vinyl chloride	41.4	
1330-20-7	Xylene (Total)	152	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d
Lab Smp Id: 1642750
Inj Date : 06-OCT-2016 13:16
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642750,132007:5
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.914	0.916	(0.219)	104162	41.3313	41.3	
2	Chloromethane	50	0.994	0.996	(0.238)	118174	31.4981	31.5	
3	Vinyl Chloride	62	1.042	1.044	(0.250)	133083	41.3564	41.4	
4	Bromomethane	94	1.191	1.188	(0.286)	49090	35.0325	35.0	
5	Chloroethane	64	1.234	1.236	(0.296)	71368	37.8953	37.9	
6	Trichlorofluoromethane	101	1.352	1.348	(0.324)	139437	40.0636	40.1	
7	Diethyl ether	74	1.474	1.471	(0.353)	46236	42.1750	42.2	
8	1,2-dichlorotrifluoroethane	67	1.490	1.487	(0.357)	110165	40.4907	40.5	
9	Acrolein	56	1.544	1.546	(0.370)	206348	920.697	921	
10	1,1,2trichlorotrifluoroethane	101	1.597	1.600	(0.383)	101286	44.1057	44.1	
11	1,1-Dichloroethene	96	1.603	1.600	(0.384)	89420	46.5713	46.6	
12	Acetone	43	1.608	1.610	(0.386)	137113	347.261	347	
13	Iodomethane	142	1.688	1.690	(0.405)	179308	95.0692	95.1	
14	Carbon Disulfide	76	1.736	1.738	(0.416)	293612	45.1648	45.2	
15	Methyl Acetate	43	1.779	1.781	(0.426)	75817	65.5496	65.5	
16	allyl chloride	41	1.795	1.797	(0.430)	344759	87.9433	87.9	
17	Acetonitrile	39	1.795	1.797	(0.430)	211860	37.6860	37.7	
18	Methylene Chloride	84	1.870	1.872	(0.448)	116336	54.2055	54.2	
19	tert-Butyl Alcohol	59	1.912	1.915	(0.458)	12719	84.9747	85.0(Q)	
20	Acrylonitrile	53	2.003	2.005	(0.480)	93919	179.975	180	
21	Methyl-tert-butyl ether	73	2.035	2.032	(0.488)	223117	45.5324	45.5	
22	1,2-Dichloroethene (trans)	96	2.046	2.048	(0.490)	104025	47.3931	47.4	
23	n-Hexane	57	2.227	2.230	(0.534)	204986	47.5272	47.5	

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ppb)	REVIEW C
	24	Vinyl Acetate	43	2.340	2.337	(0.561)	672732	214.089	214	
	25	1,1-Dichloroethane	63	2.350	2.347	(0.563)	188147	45.8273	45.8	
	26	Chloroprene	53	2.404	2.406	(0.576)	180655	43.4617	43.5	
	27	2-Butanone	72	2.804	2.807	(0.672)	41807	302.693	303(Q)	
	28	1,2-Dichloroethene (cis)	96	2.826	2.823	(0.677)	107994	46.4589	46.4(Q)	
	29	2,2-Dichloropropane	77	2.831	2.828	(0.679)	146479	45.3717	45.4	
	30	Propionitrile	54	2.863	2.860	(0.686)	8927	45.3741	45.4(Q)	
	31	Methacrylonitrile	41	3.013	3.015	(0.722)	167567	188.698	189	
	32	Bromochloromethane	49	3.055	3.052	(0.732)	74200	41.1397	41.1	
	33	Tetrahydrofuran	42	3.077	3.074	(0.738)	18267	39.9576	40.0	
	34	Chloroform	83	3.167	3.164	(0.759)	167140	42.8372	42.8	
$	35	Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	91628	46.5977	46.6	
	36	1,1,1-Trichloroethane	97	3.344	3.341	(0.802)	153343	43.7630	43.8	
	37	Cyclohexane	56	3.429	3.426	(0.822)	208419	48.1516	48.2	
	151	n-Butyl chloride	56	3.488	3.490	(0.836)	254240	47.6335	47.6	
	38	Carbon Tetrachloride	117	3.525	3.528	(0.845)	137838	44.4323	44.4	
	39	1,1-Dichloropropene	75	3.536	3.533	(0.848)	148554	45.7205	45.7	
	40	Benzene	78	3.776	3.773	(0.905)	413080	46.1833	46.2	
	41	1,2-Dichloroethane	62	3.862	3.859	(0.926)	106828	40.0210	40.0	
	42	Isobutyl alcohol	43	3.889	3.885	(0.932)	724054	53.9281	53.9	
	43	2,2,4-Trimethylpentane	57	3.953	3.950	(0.948)	545817	51.0462	51.0	
*	44	Fluorobenzene (IS)	96	4.172	4.174	(1.000)	427091	50.0000		
	45	Trichloroethene	95	4.626	4.623	(1.109)	105828	49.3295	49.3	
	46	Methylcyclohexane	55	4.893	4.890	(1.173)	184907	53.1742	53.2	
	47	1,2-Dichloropropane	63	4.925	4.927	(1.181)	109394	51.7576	51.8	
	48	Methyl methacrylate	69	5.042	5.045	(1.209)	50035	56.9364	56.9	
	49	Dibromomethane	93	5.026	5.023	(1.205)	44560	45.2589	45.2	
	50	1,4-Dioxane	88	5.032	5.034	(1.206)	10735	847.882	848	
	51	Bromodichloromethane	83	5.251	5.253	(1.259)	117561	47.6134	47.6	
	52	2-Chloroethyl vinyl ether	63	5.603	5.600	(0.763)	47239	46.6480	46.6	
	53	cis-1,3-Dichloropropene	75	5.747	5.744	(0.783)	155524	48.1923	48.2	
	54	4-Methyl-2-Pentanone	43	5.918	5.920	(0.806)	343290	244.051	244	
$	55	Toluene-d8 (S)	98	6.020	6.022	(0.820)	414394	46.3293	46.3	
	56	Toluene	91	6.094	6.097	(0.830)	476126	42.8259	42.8	
	57	trans-1,3-Dichloropropene	75	6.383	6.380	(0.869)	127281	50.4760	50.5	
	58	Ethyl Methacrylate	69	6.463	6.465	(0.880)	408182	206.978	207	
	59	1,1,2-Trichloroethane	83	6.564	6.567	(0.894)	57610	46.7544	46.8	
	60	Tetrachloroethene	166	6.618	6.620	(0.901)	114729	46.1794	46.2	
	61	1,3-Dichloropropane	76	6.709	6.706	(0.913)	133297	50.3750	50.4	
	62	2-Hexanone	43	6.778	6.775	(0.923)	273816	297.266	297	
	63	Dibromochloromethane	129	6.890	6.893	(0.938)	81777	45.7253	45.7	
	64	1,2-Dibromoethane	107	6.976	6.973	(0.950)	67165	48.0697	48.1	
*	65	Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	302776	50.0000		
	66	Chlorobenzene	112	7.366	7.368	(1.003)	295500	46.7972	46.8	
	67	1,1,1,2-Tetrachloroethane	131	7.446	7.443	(1.014)	97592	49.9331	49.9	
	68	Ethylbenzene	106	7.451	7.448	(1.015)	177616	50.7642	50.8	
	69	m&p-Xylene	106	7.547	7.549	(1.028)	433724	100.537	100	
	70	o-Xylene	106	7.809	7.811	(1.063)	205050	51.6391	51.6	
	71	Styrene	104	7.825	7.822	(1.065)	348200	52.2266	52.2	
	72	Bromoform	173	7.942	7.945	(0.898)	44277	46.6031	46.6	
	73	Isopropylbenzene	105	8.055	8.052	(1.097)	583849	50.6580	50.6	
$	74	4-Bromofluorobenzene (S)	95	8.161	8.164	(1.111)	146739	52.1176	52.1	
	75	Bromobenzene	77	8.242	8.244	(1.122)	191258	49.6176	49.6	
	76	1,1,2,2-Tetrachloroethane	83	8.258	8.254	(0.934)	86683	51.4952	51.5	

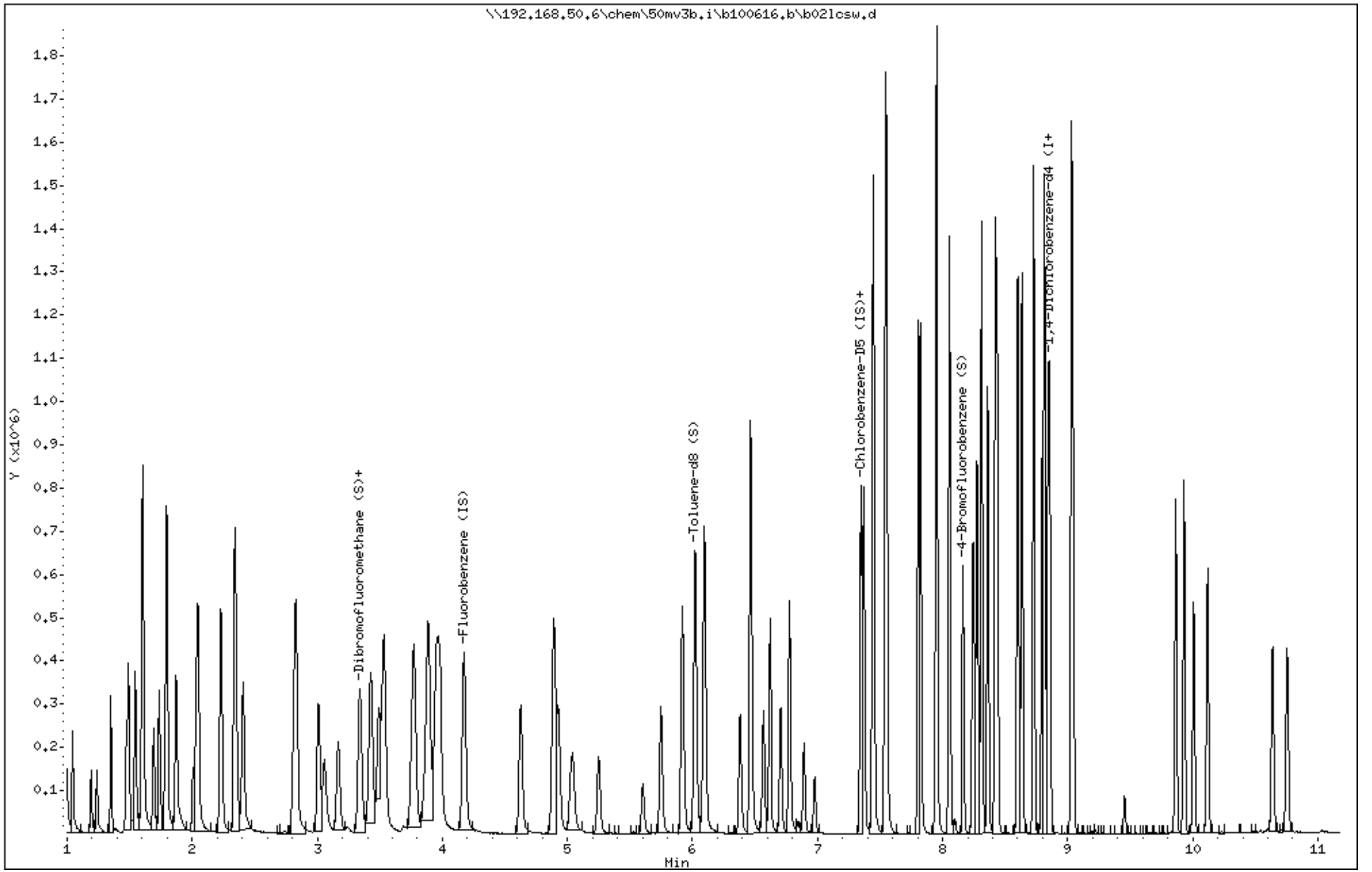
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.274	8.276	(1.127)	108451	211.508	212(Q)	
78	1,2,3-Trichloropropane	110	8.284	8.287	(0.937)	27637	55.7416	55.7(Q)	
79	n-Propylbenzene	91	8.311	8.313	(0.940)	691921	53.4992	53.5	
80	2-Chlorotoluene	91	8.359	8.361	(0.946)	381503	52.2060	52.2	
81	1,3,5-Trimethylbenzene	105	8.423	8.420	(0.953)	463123	52.4225	52.4	
82	4-Chlorotoluene	126	8.434	8.436	(0.954)	128671	49.6344	49.6	
83	tert-Butylbenzene	119	8.605	8.602	(0.973)	431916	42.0609	42.1	
84	1,2,4-Trimethylbenzene	105	8.637	8.634	(0.977)	472389	52.1919	52.2	
85	sec-Butylbenzene	105	8.728	8.730	(0.987)	654802	53.7899	53.8	
86	1,3-Dichlorobenzene	146	8.797	8.794	(0.995)	236253	48.9462	48.9	
87	p-Isopropyltoluene	119	8.813	8.815	(0.997)	546241	53.1954	53.2	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.842	(1.000)	147929	50.0000		
89	1,4-Dichlorobenzene	146	8.856	8.853	(1.002)	232516	46.5196	46.5	
90	n-Butylbenzene	91	9.032	9.029	(1.022)	507275	53.9976	54.0	
91	1,2-Dichlorobenzene	146	9.043	9.045	(1.023)	214297	48.8230	48.8	
92	1,2-Dibromo-3-chloropropane	155	9.459	9.456	(1.070)	12388	50.6352	50.6	
93	1,2,4-Trichlorobenzene	180	9.865	9.867	(1.116)	158907	54.9974	55.0	
94	Hexachlorobutadiene	225	9.929	9.932	(1.123)	102025	57.8380	57.8	
95	Naphthalene	128	10.004	10.006	(1.132)	305798	53.2614	53.3	
96	1,2,3-Trichlorobenzene	180	10.122	10.124	(1.145)	139507	53.5997	53.6	
97	2,methyl-naphthalene	142	10.640	10.642	(1.204)	177600	52.0317	52.0	
98	1-Methylnaphthalene	142	10.752	10.759	(1.216)	177109	62.6861	62.7	
99	Isopropyl Acetate	61	3.889	3.885	(0.932)	139731	295.011	295	
100	Ethyl Acetate	88	2.831	2.849	(0.679)	1741	34.4337	34.4(Q)	
101	n-amyl Acetate	70	7.953	7.950	(1.906)	246072	80.4818	80.5	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d
Date : 06-OCT-2016 13:16
Client ID:
Sample Info: 1642750,132007:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

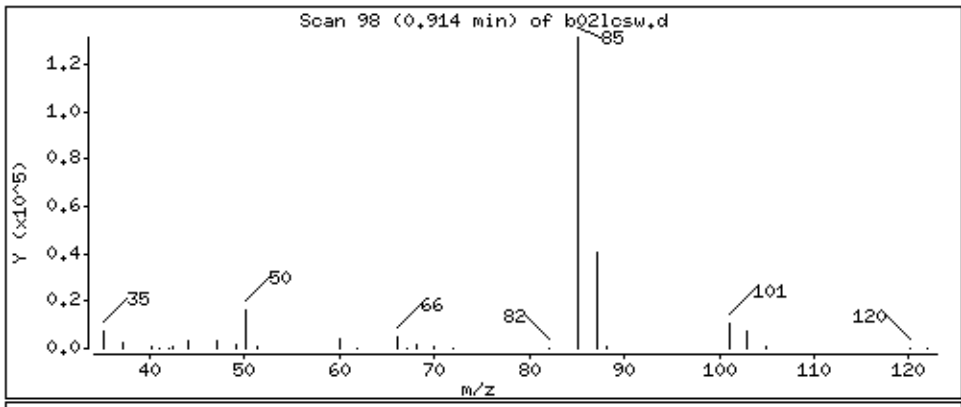
Column phase: DB-624

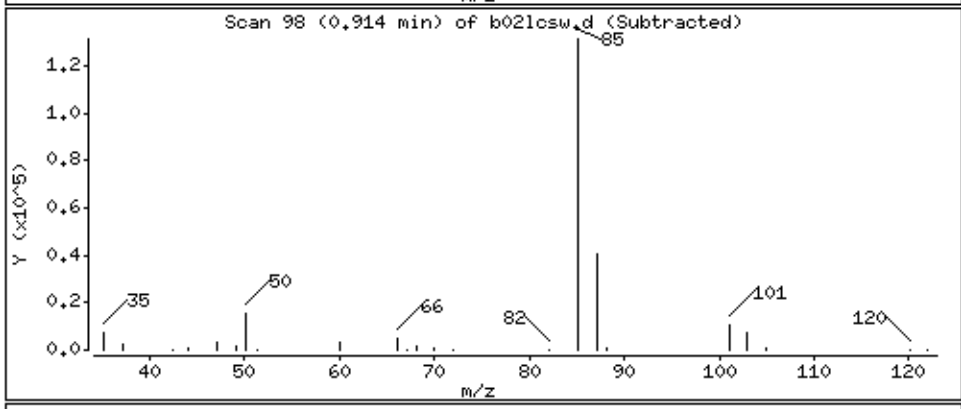
Column diameter: 0.18

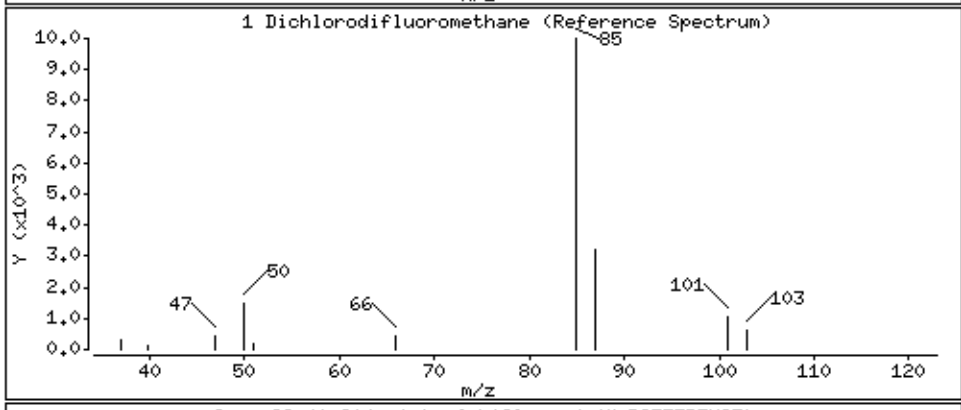
1 Dichlorodifluoromethane

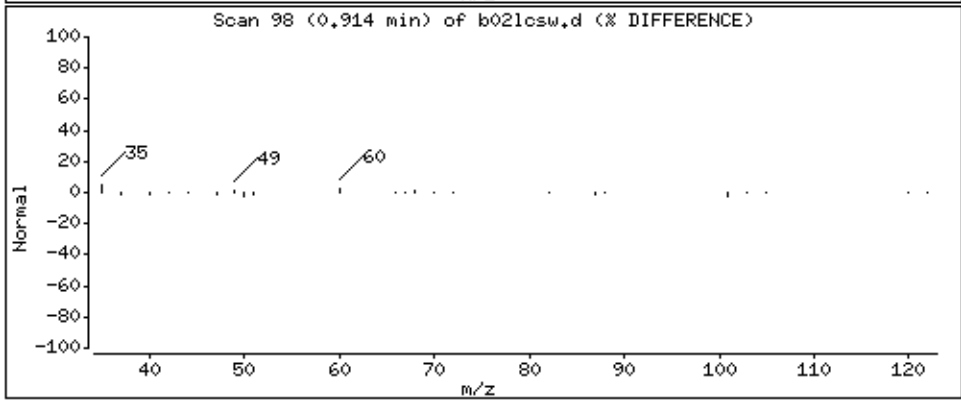
Concentration: 41.3 ppb

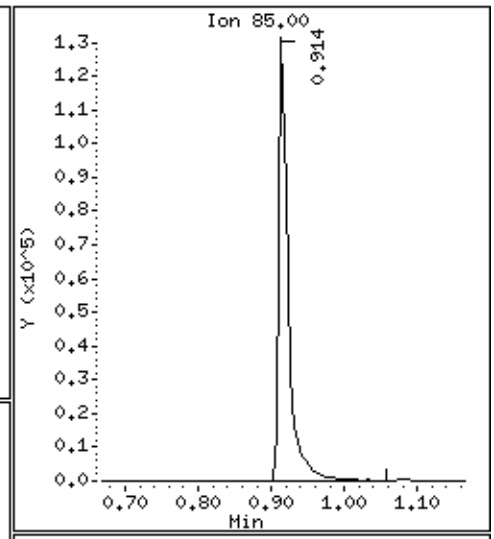
Review Code:

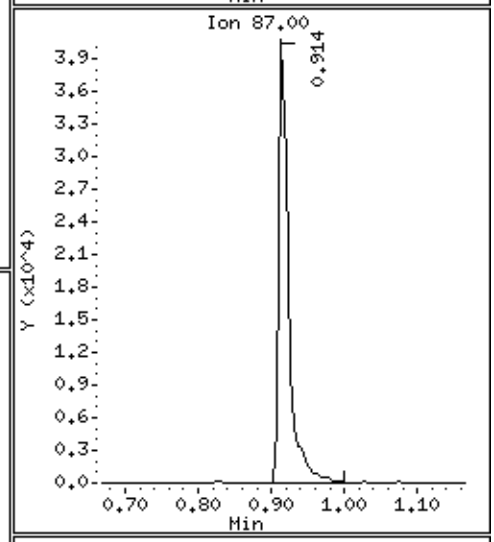


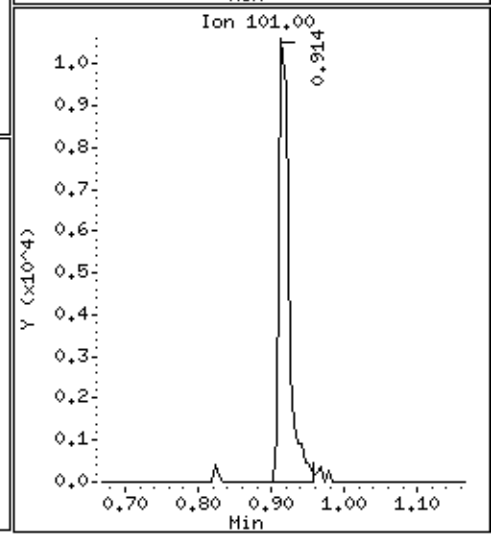












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

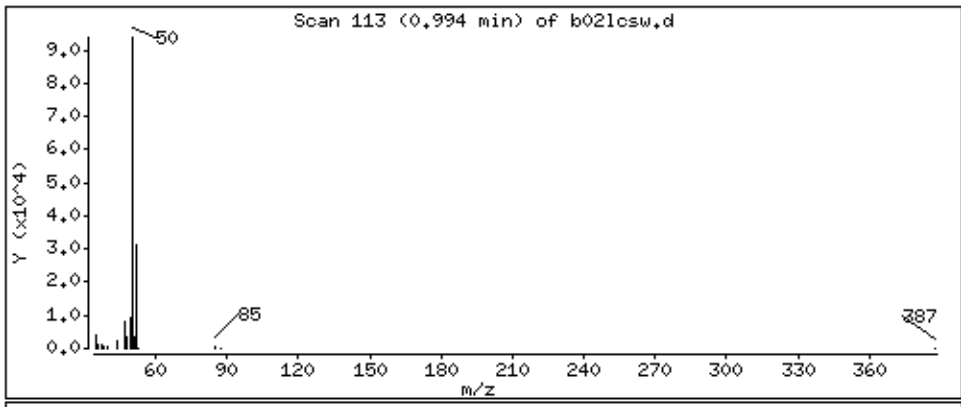
Column phase: DB-624

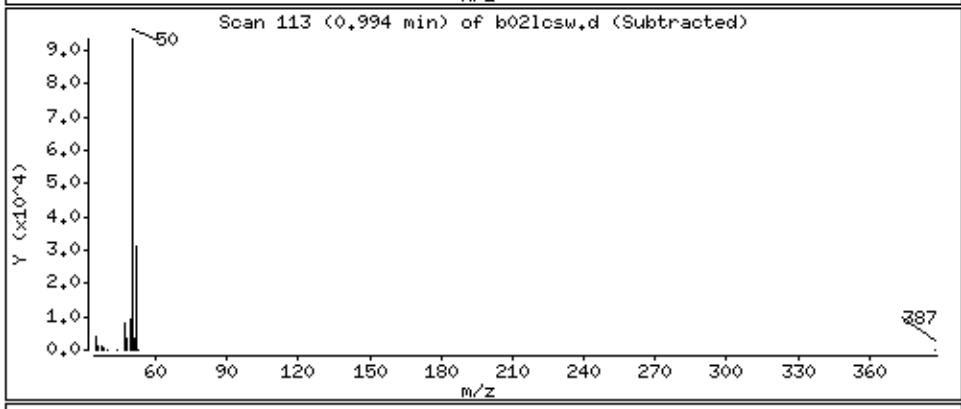
Column diameter: 0.18

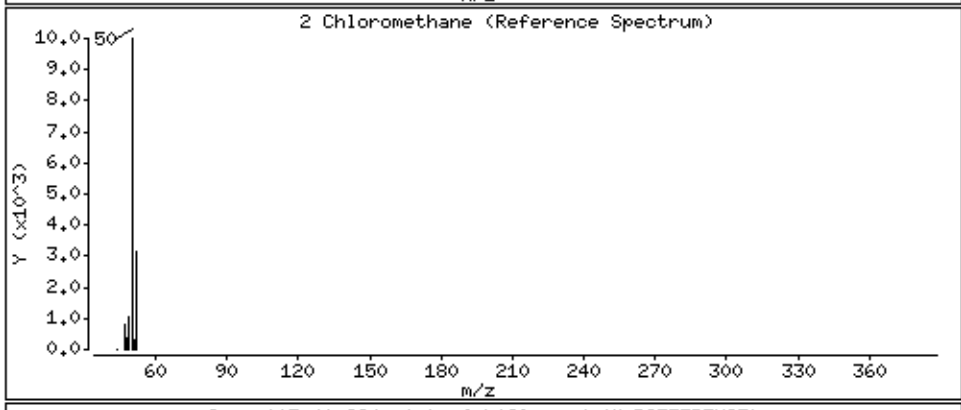
2 Chloromethane

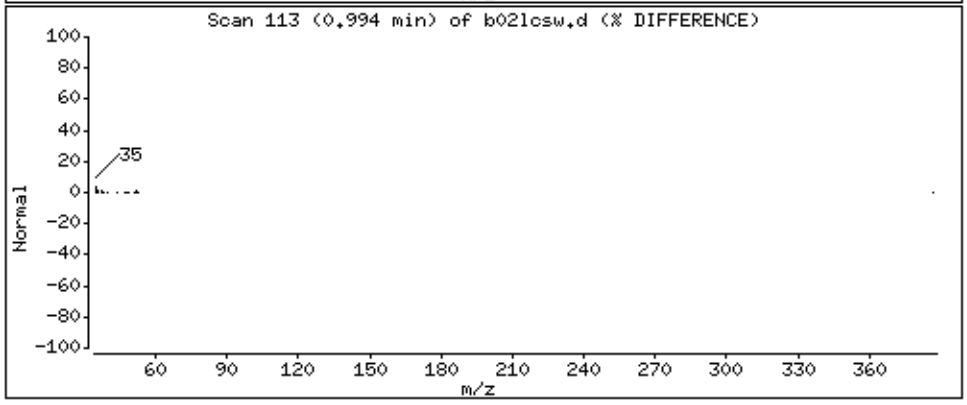
Concentration: 31.5 ppb

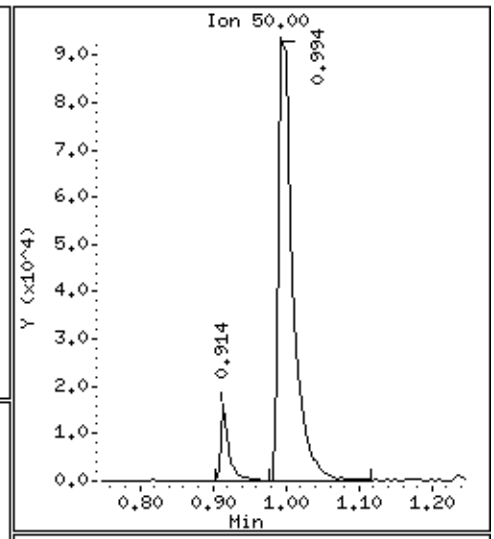
Review Code:

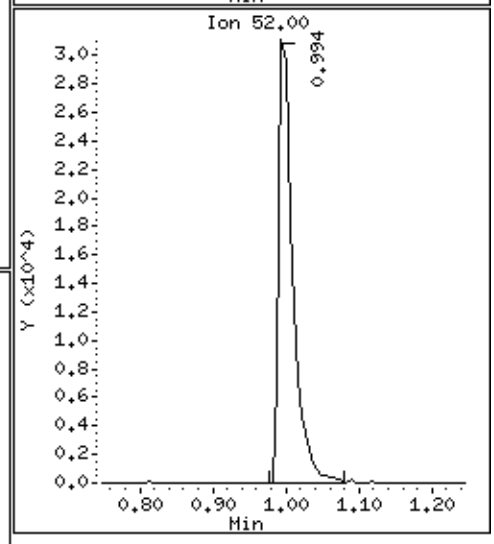












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

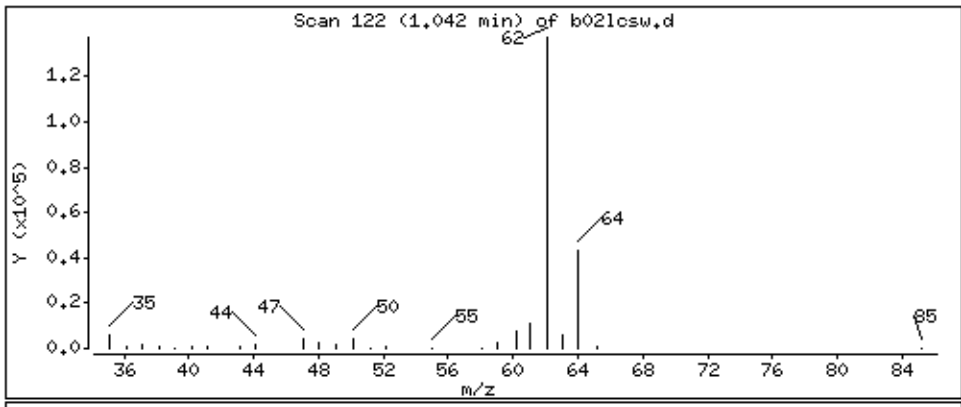
Column phase: DB-624

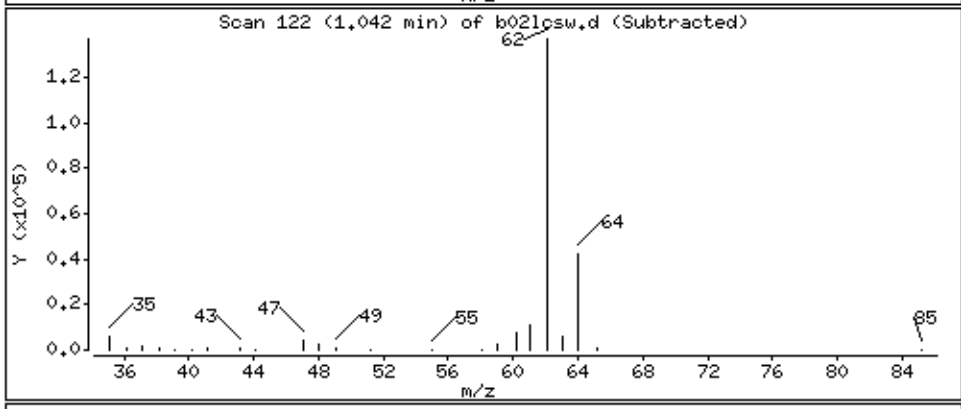
Column diameter: 0.18

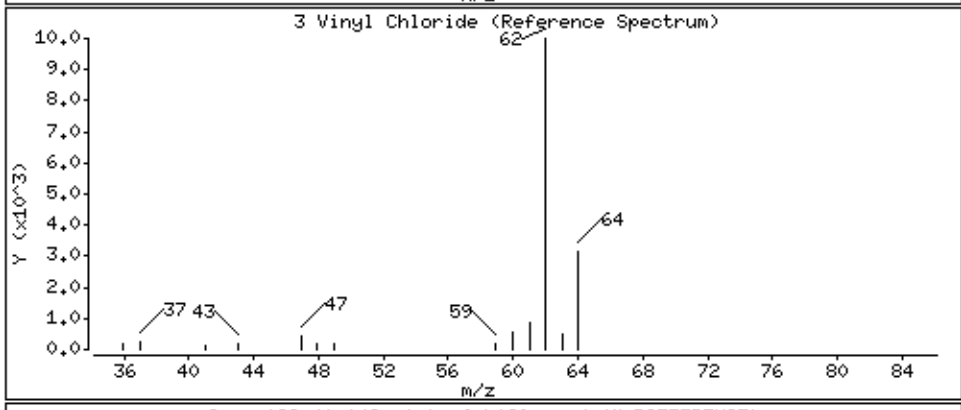
3 Vinyl Chloride

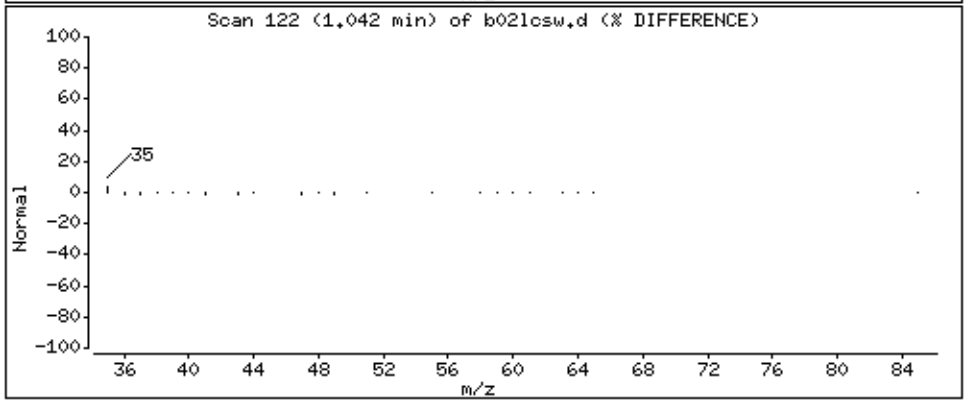
Concentration: 41.4 ppb

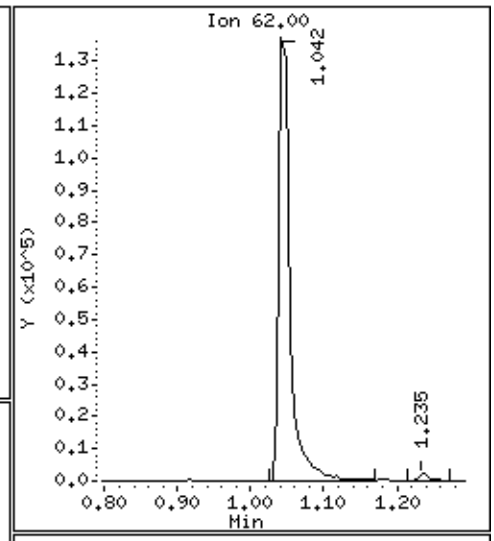
Review Code:

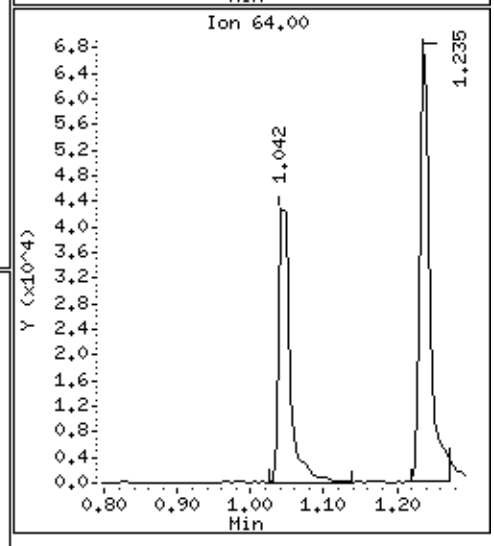












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

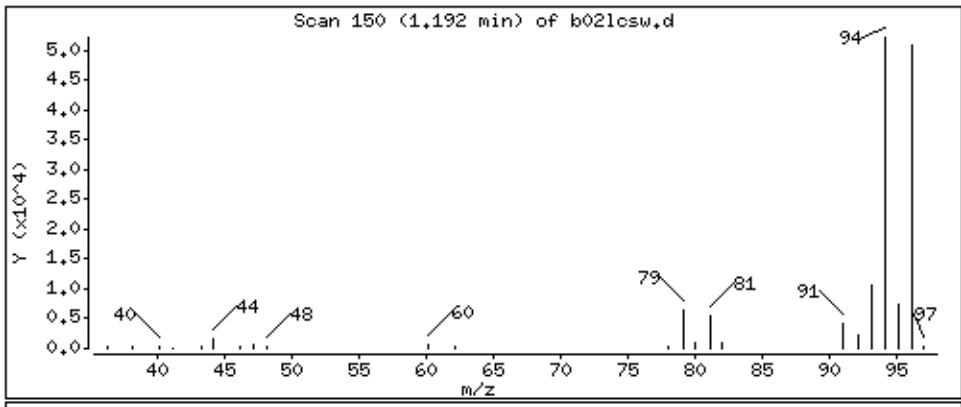
Column phase: DB-624

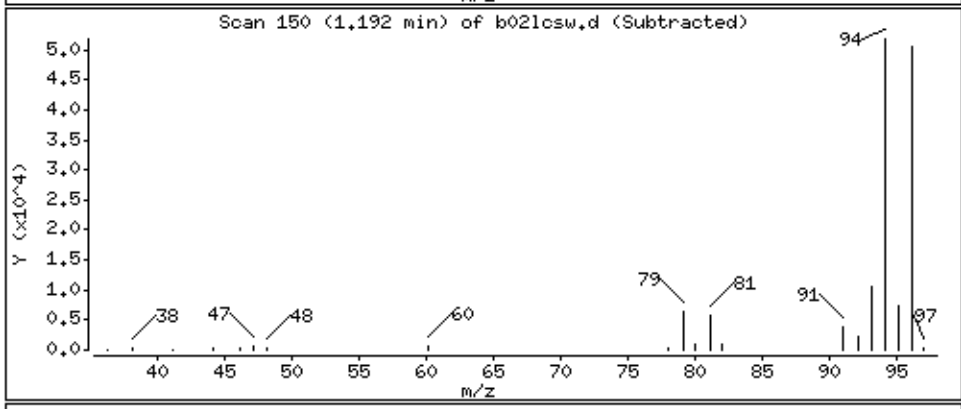
Column diameter: 0.18

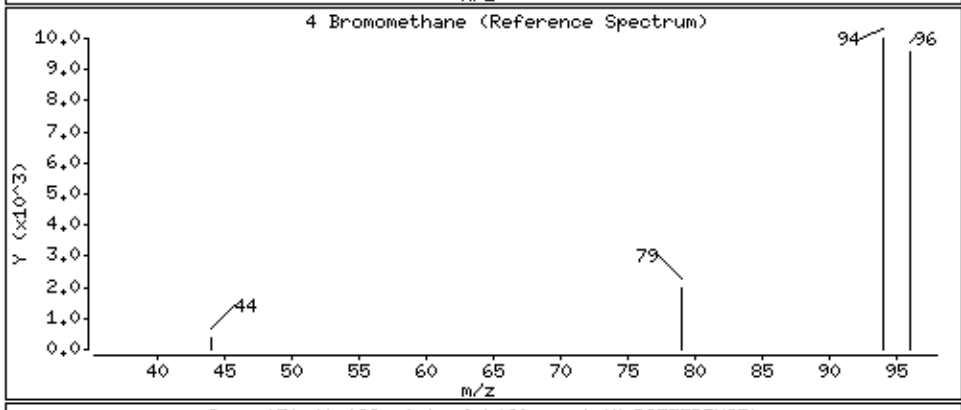
4 Bromomethane

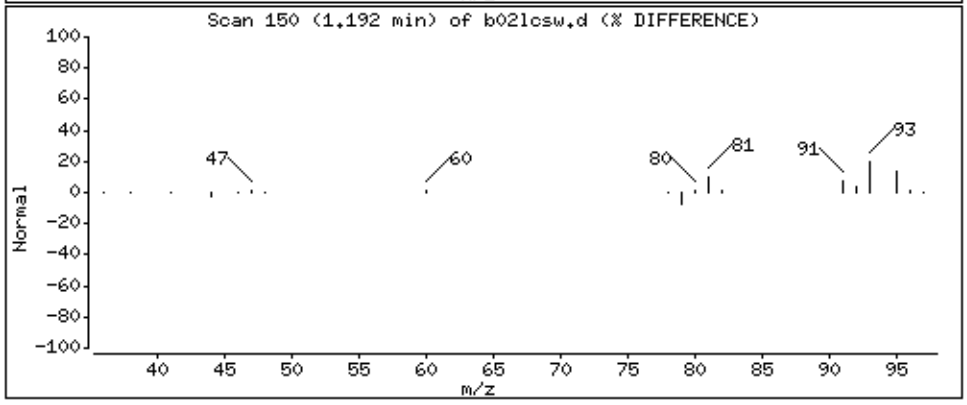
Concentration: 35.0 ppb

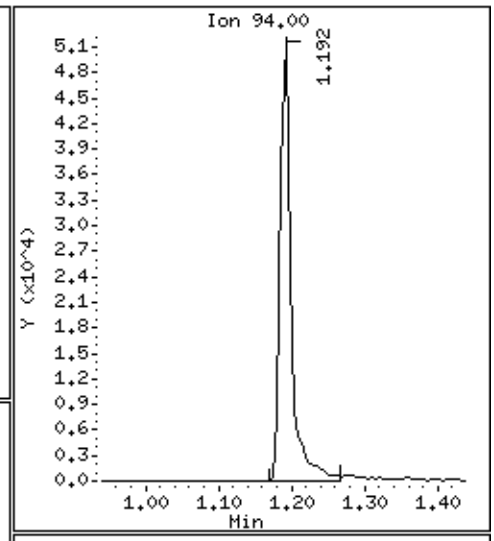
Review Code:

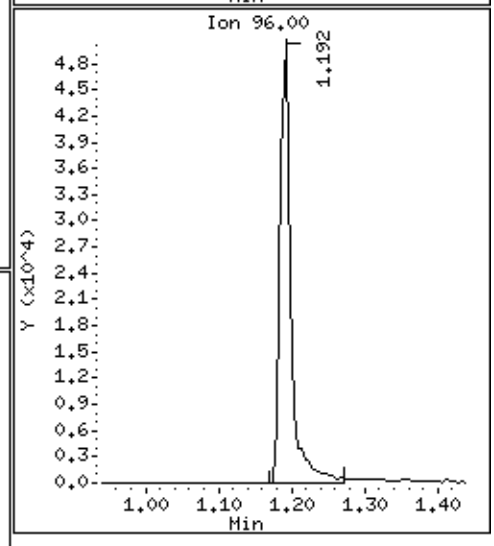












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

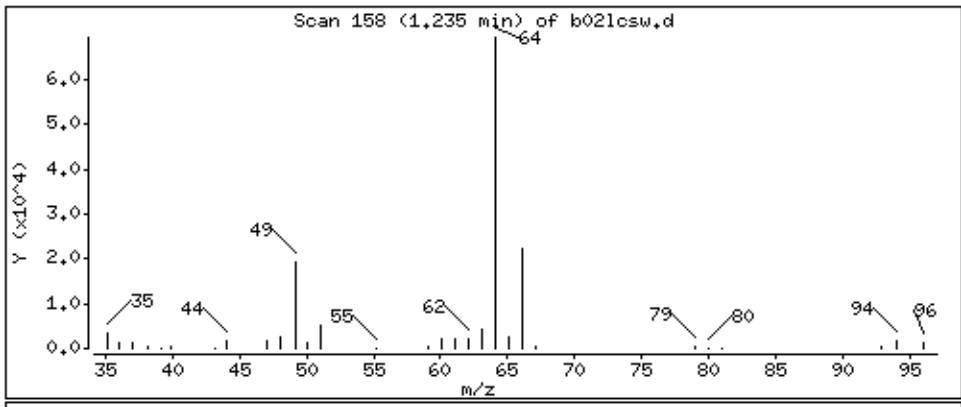
Column phase: DB-624

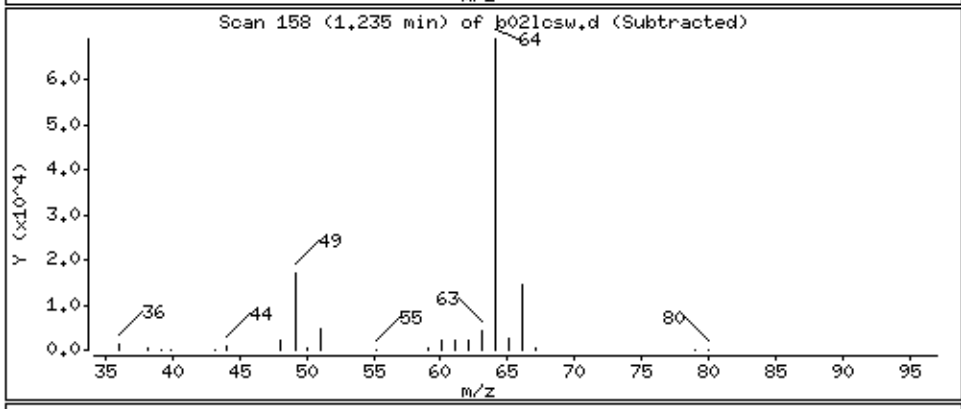
Column diameter: 0.18

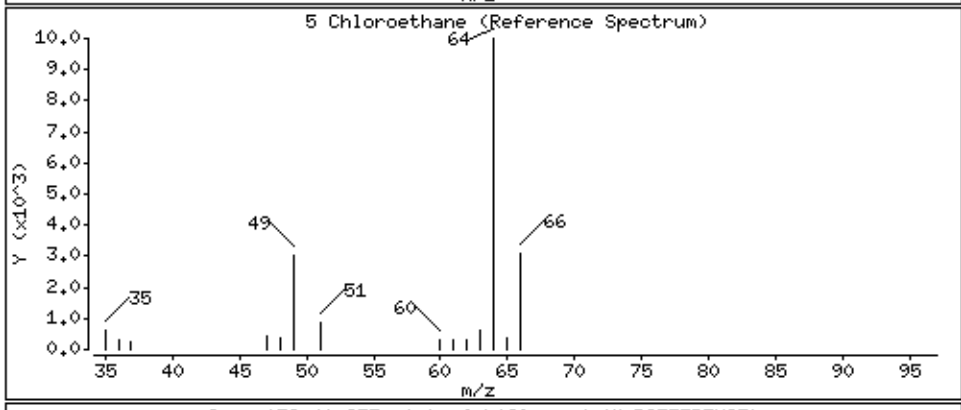
5 Chloroethane

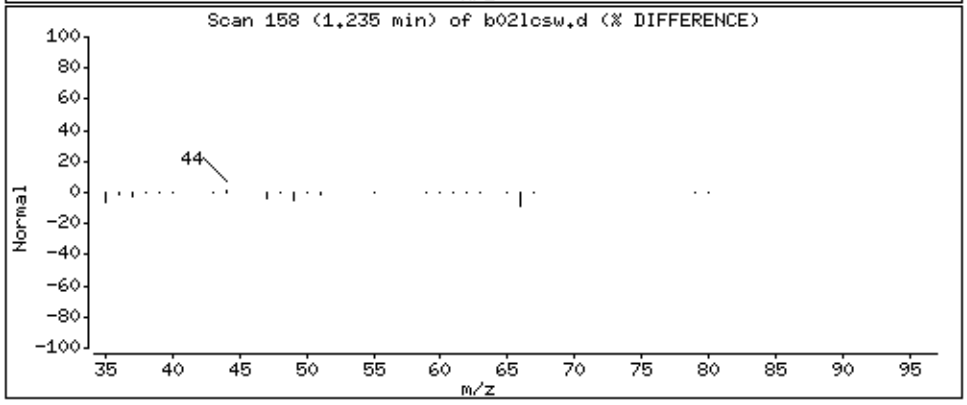
Concentration: 37.9 ppb

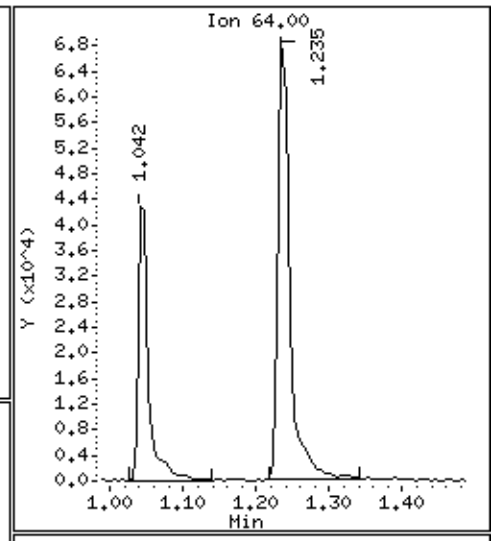
Review Code:

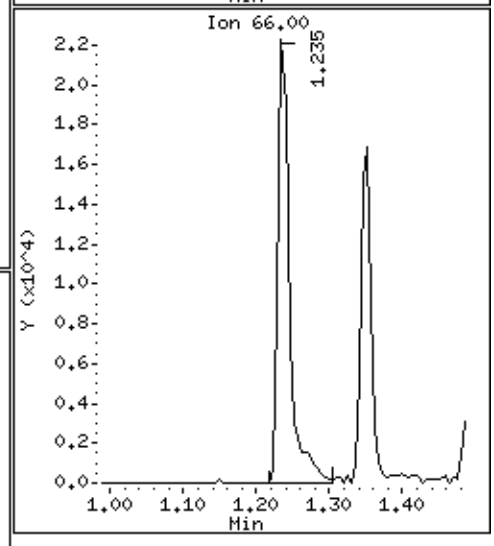












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

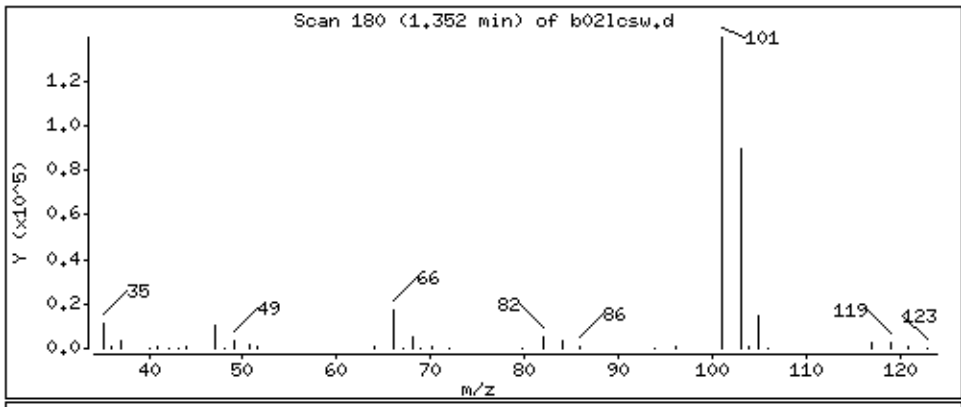
Column phase: DB-624

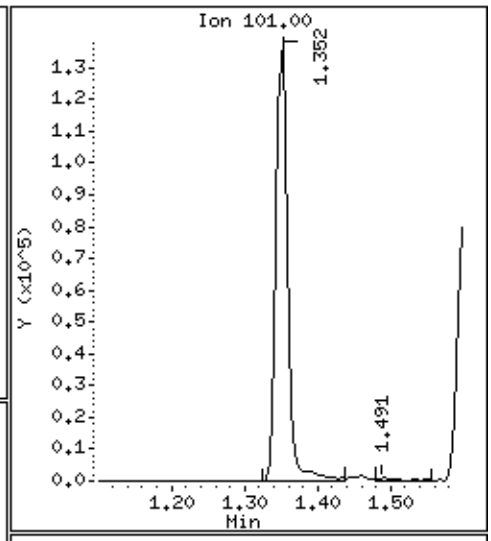
Column diameter: 0.18

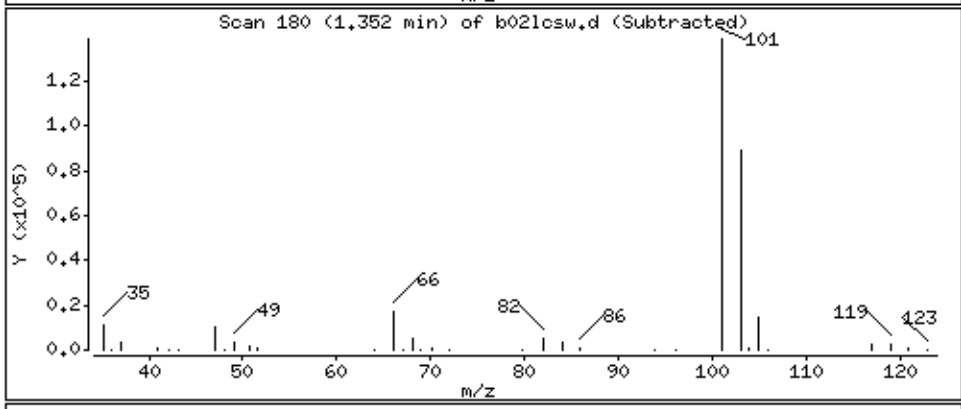
6 Trichlorofluoromethane

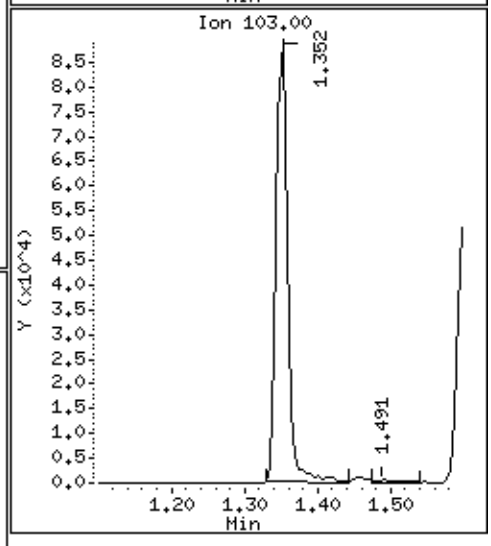
Concentration: 40.1 ppb

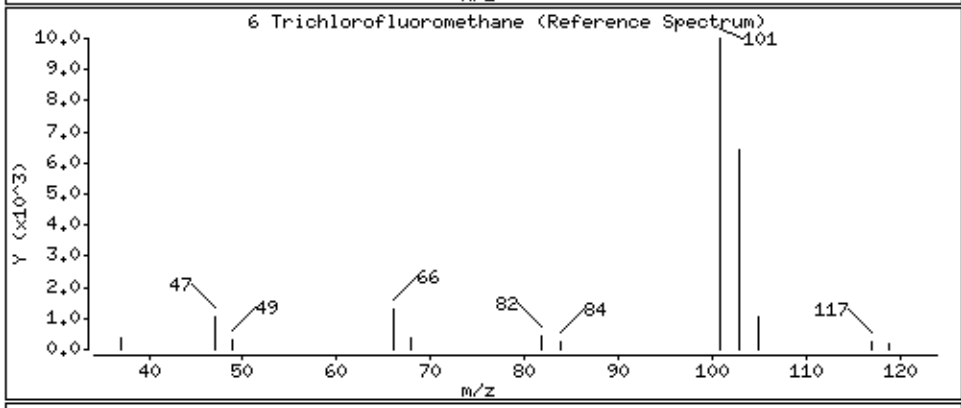
Review Code:

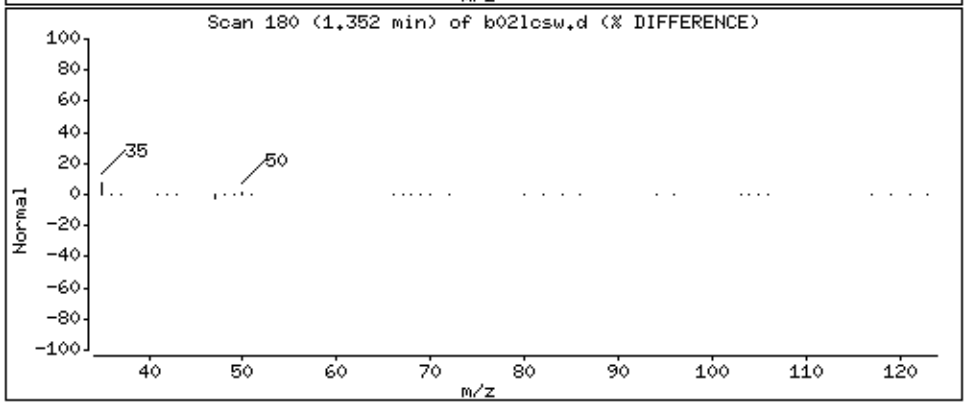












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

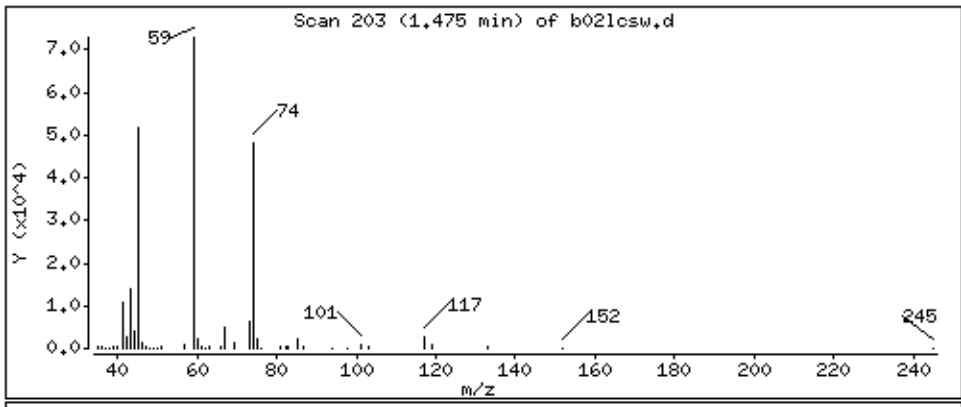
Column phase: DB-624

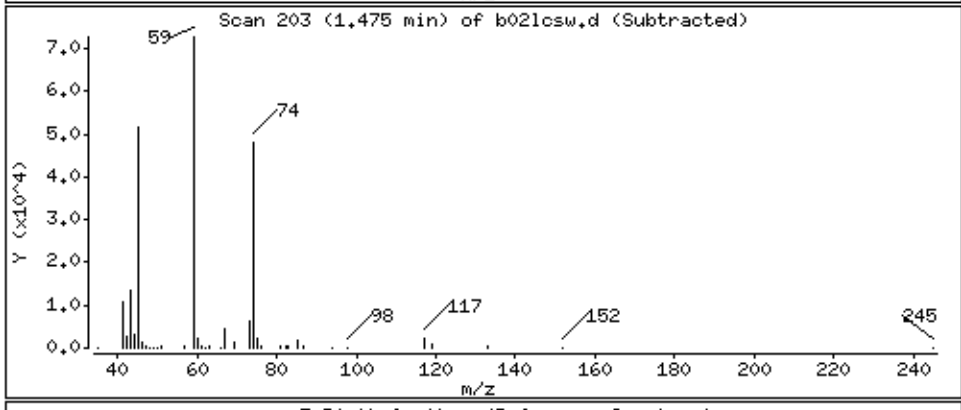
Column diameter: 0.18

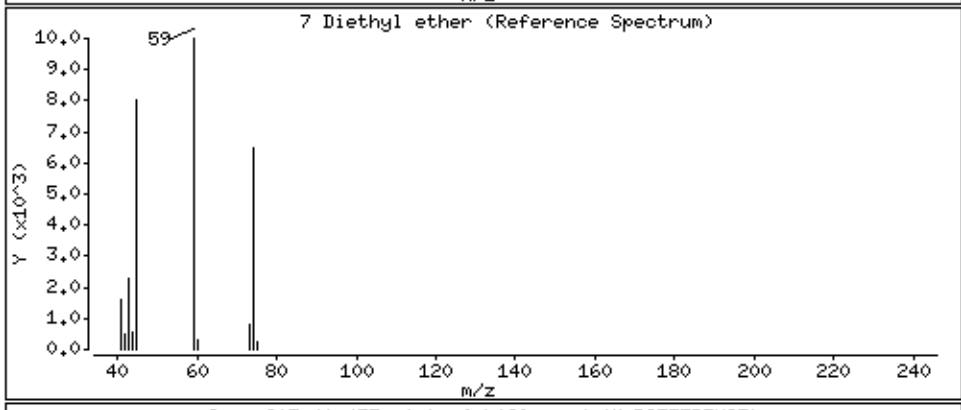
7 Diethyl ether

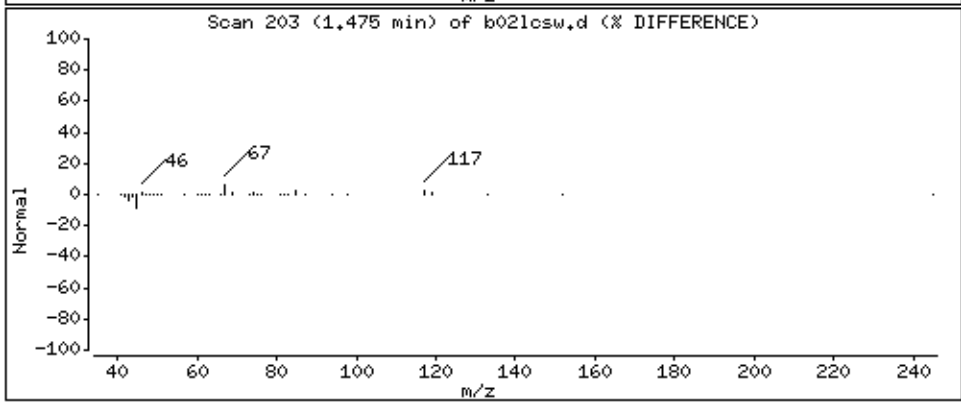
Concentration: 42.2 ppb

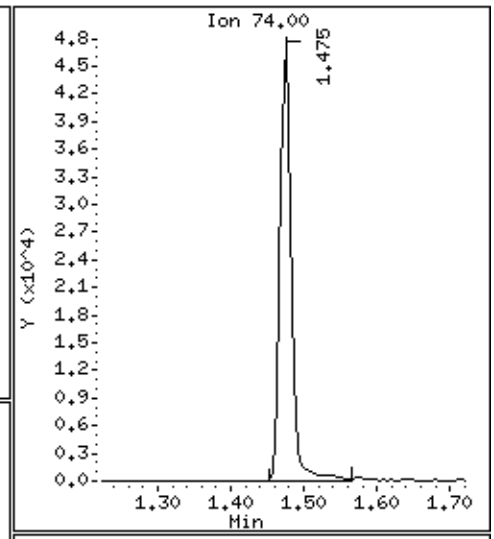
Review Code:

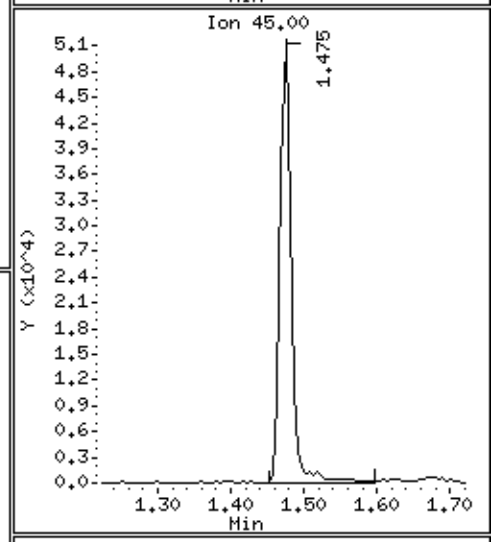


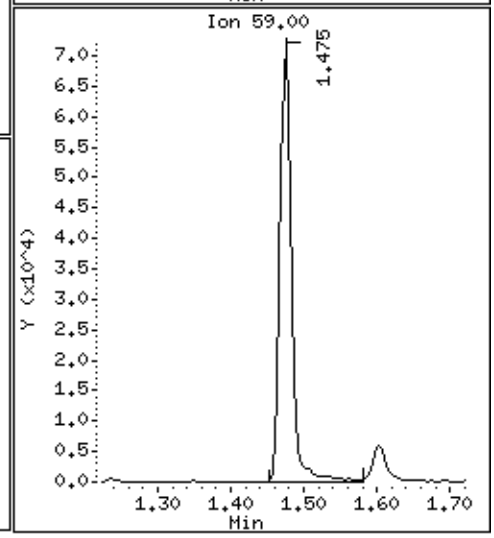












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Page 12

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

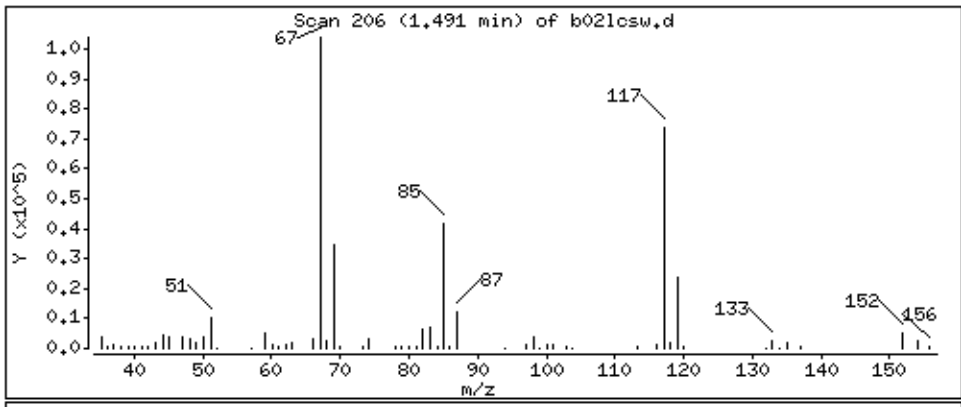
Column phase: DB-624

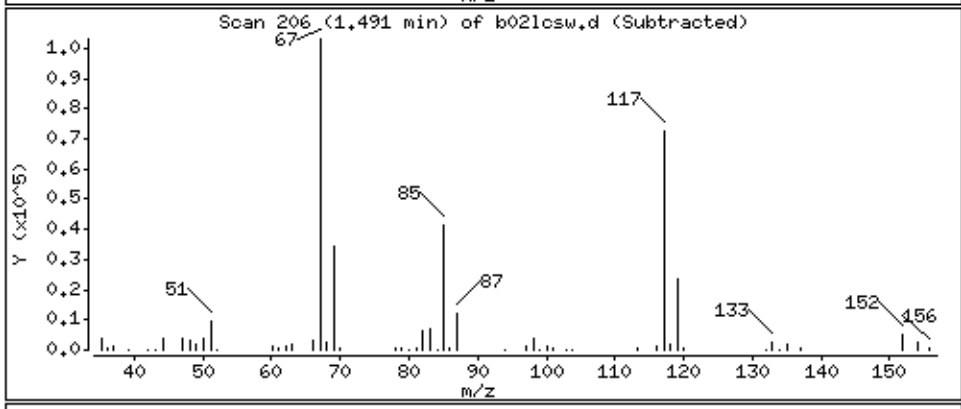
Column diameter: 0.18

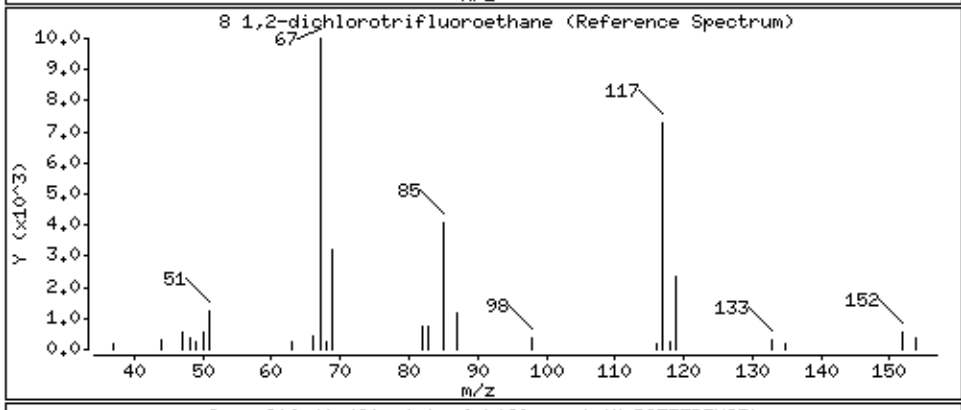
8 1,2-dichlorotrifluoroethane

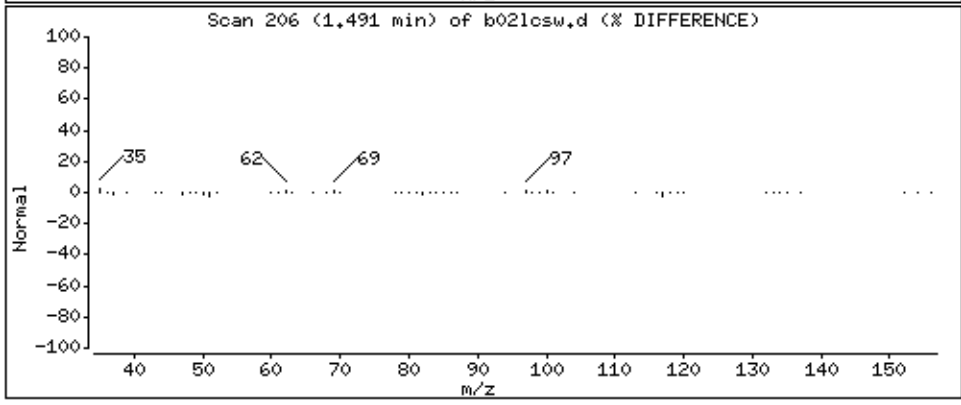
Concentration: 40.5 ppb

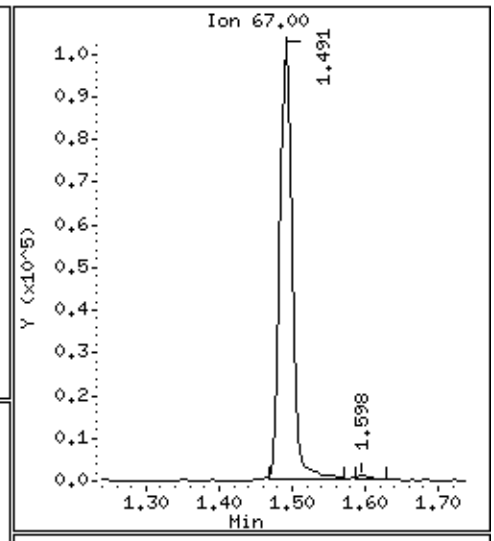
Review Code:

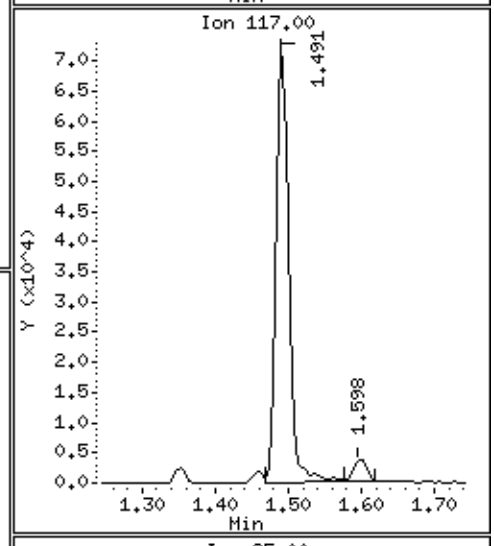


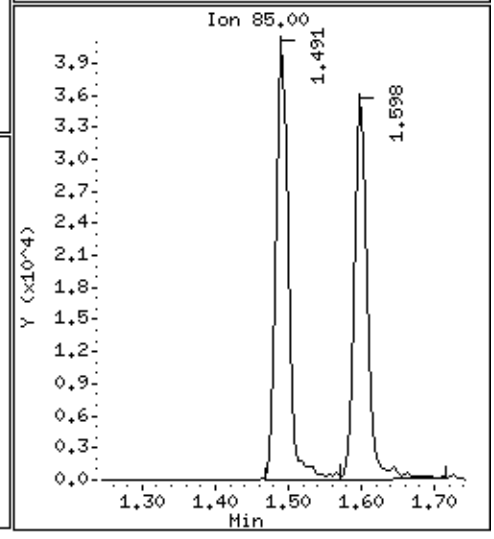












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

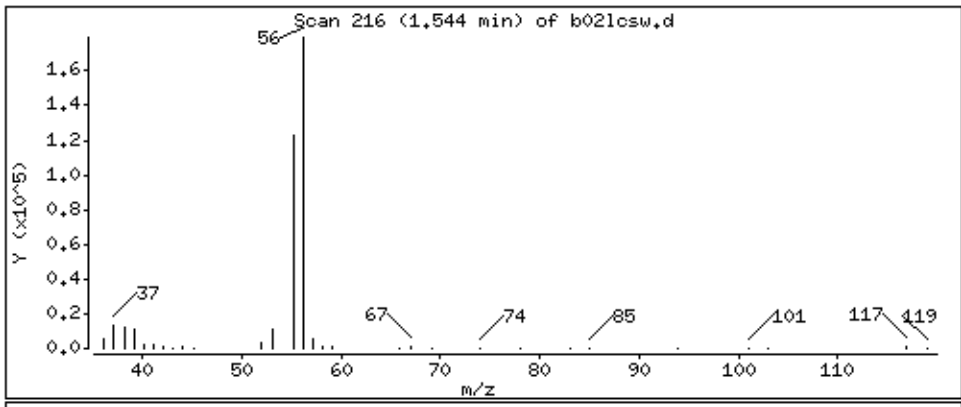
Column phase: DB-624

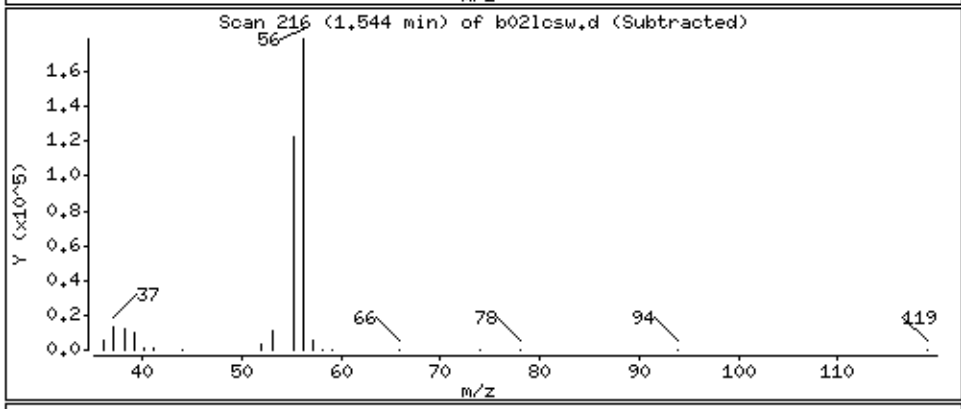
Column diameter: 0.18

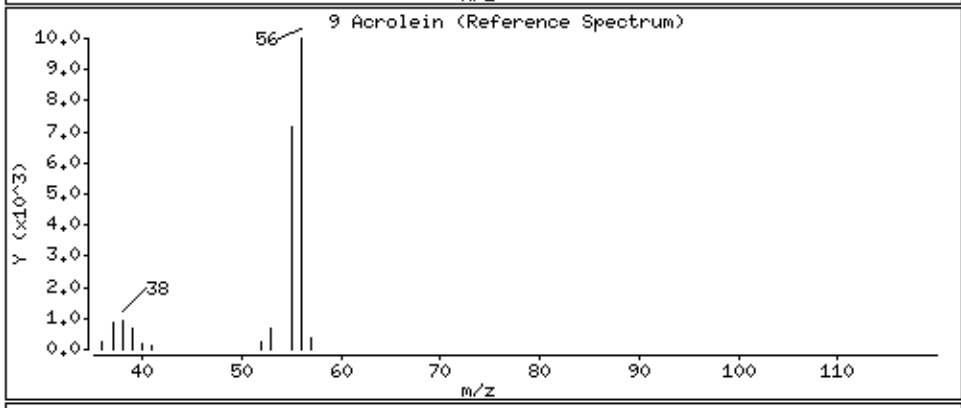
9 Acrolein

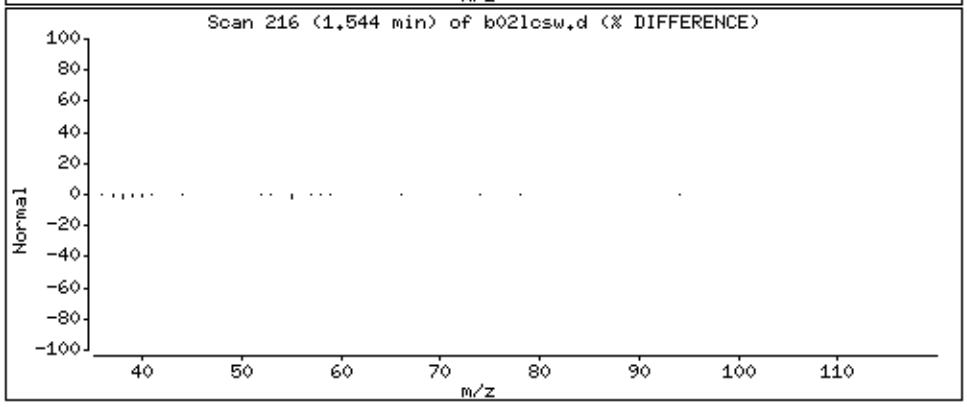
Concentration: 921 ppb

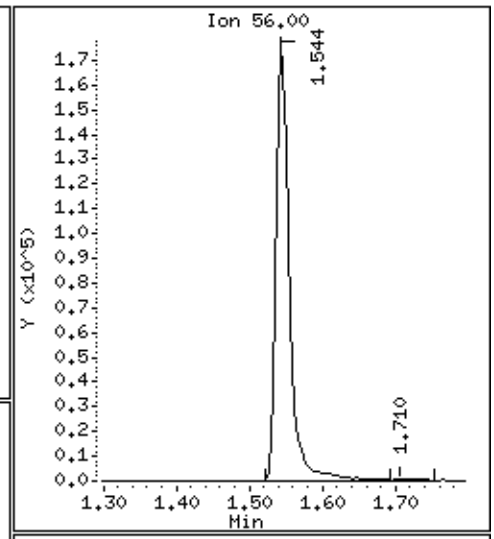
Review Code:

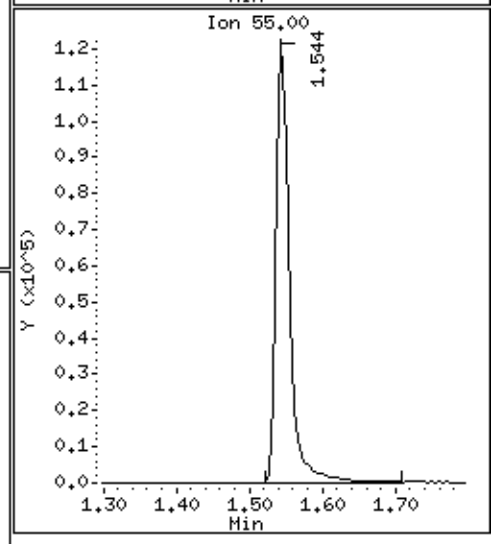












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

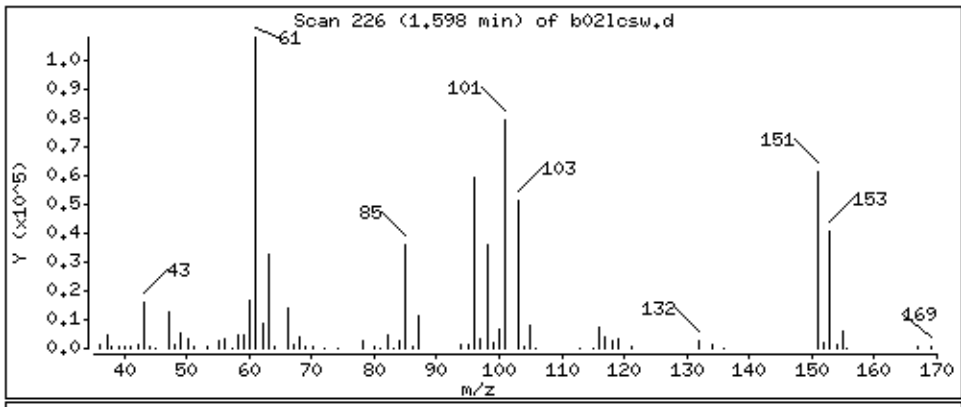
Column phase: DB-624

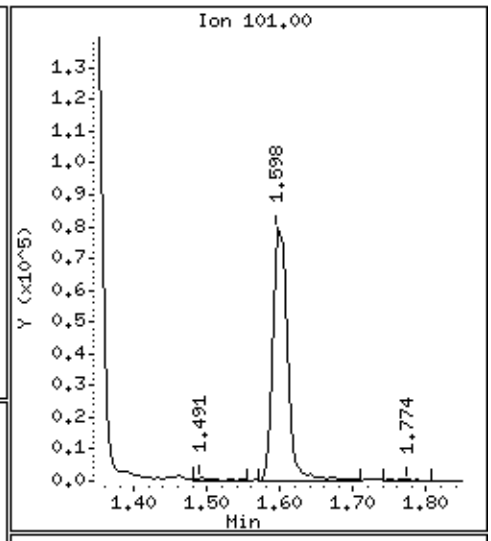
Column diameter: 0.18

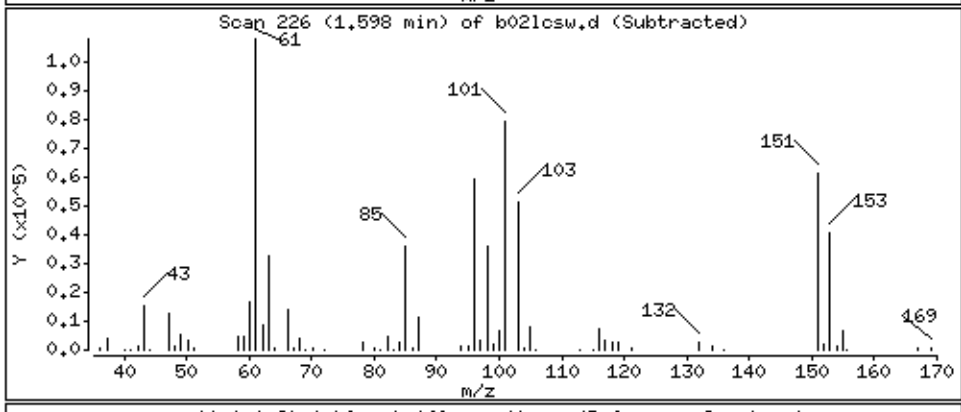
10 1,1,2trichlorotrifluoroethane

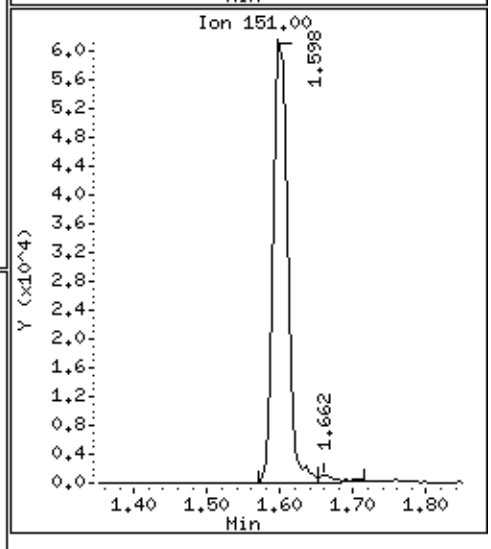
Concentration: 44.1 ppb

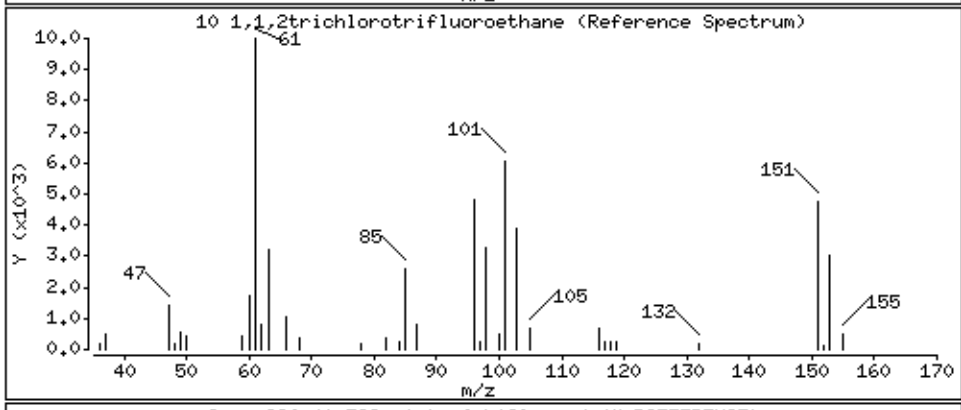
Review Code:

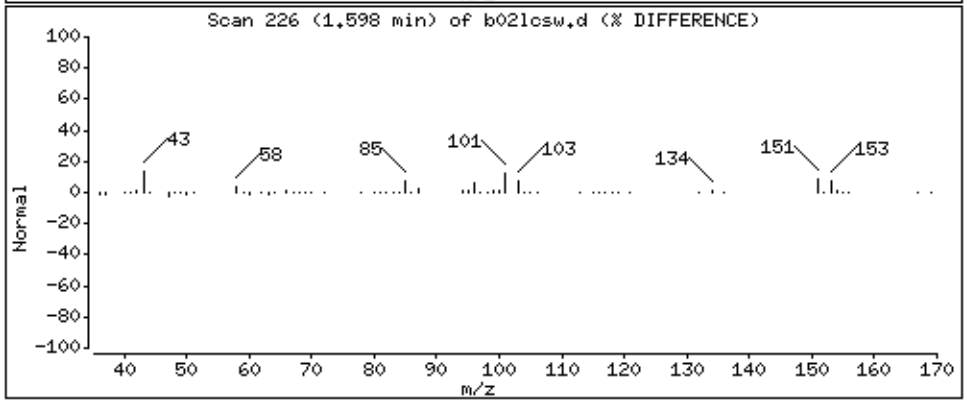












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

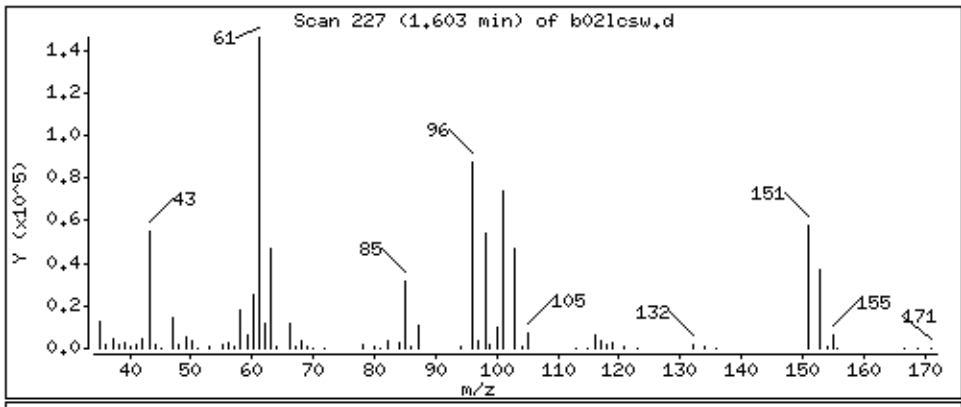
Column phase: DB-624

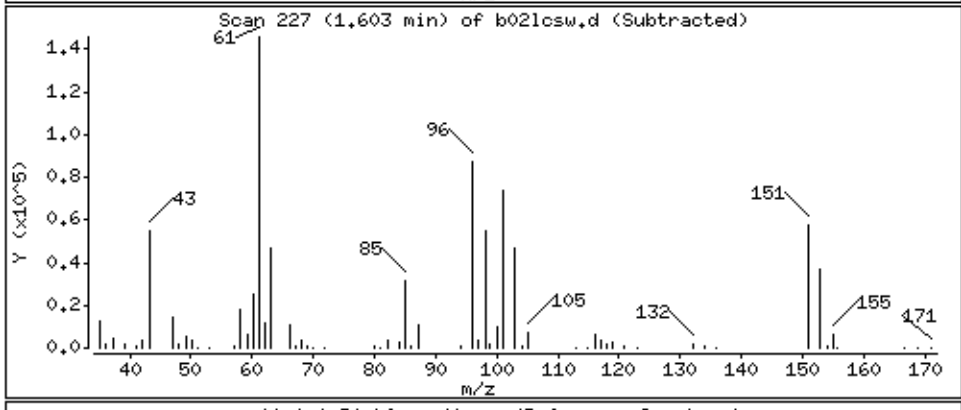
Column diameter: 0.18

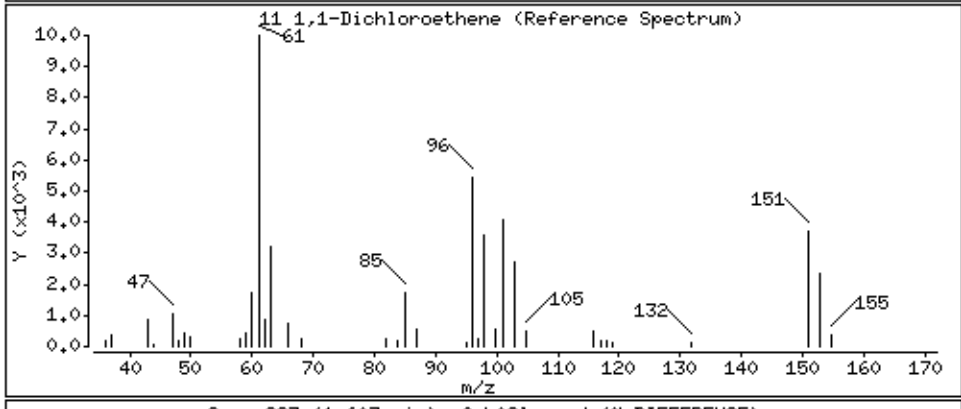
11 1,1-Dichloroethene

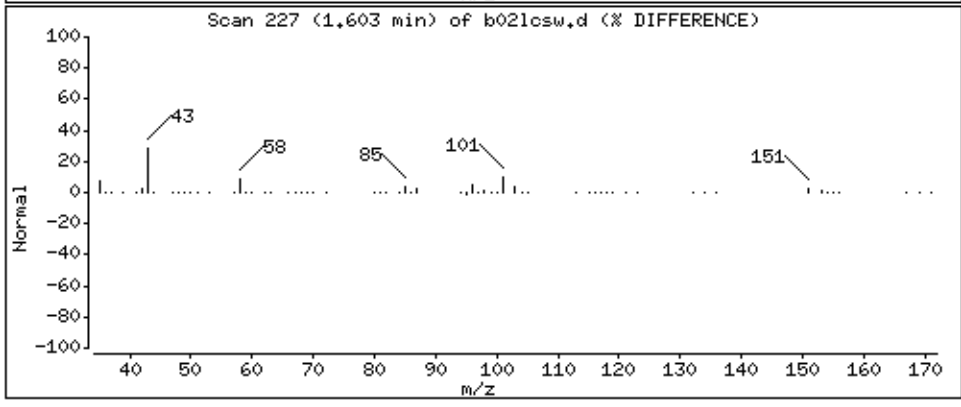
Concentration: 46.6 ppb

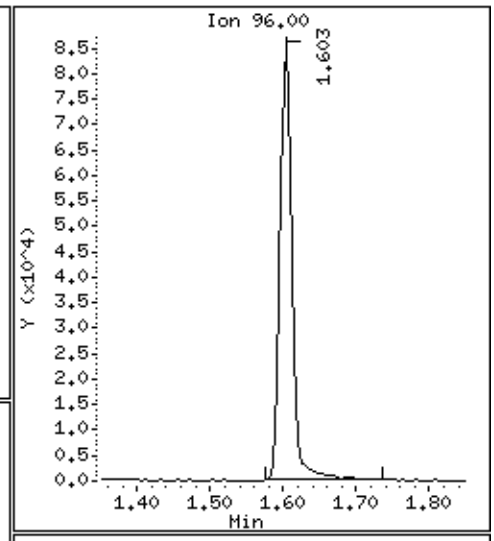
Review Code:

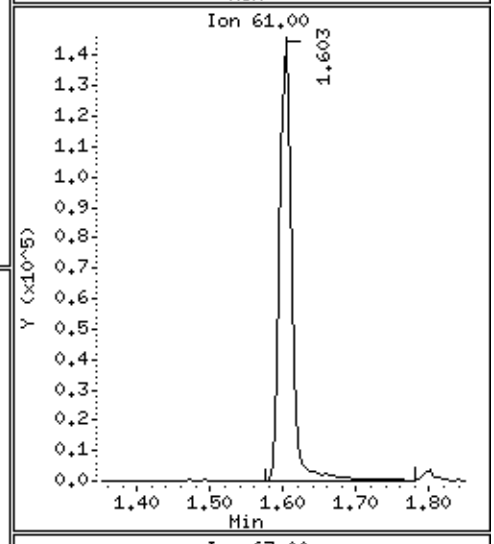


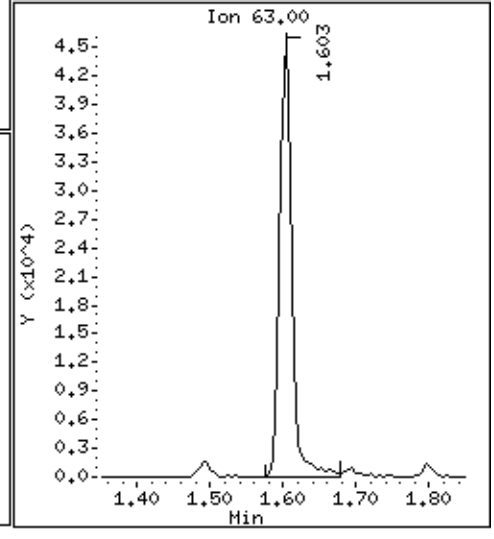












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

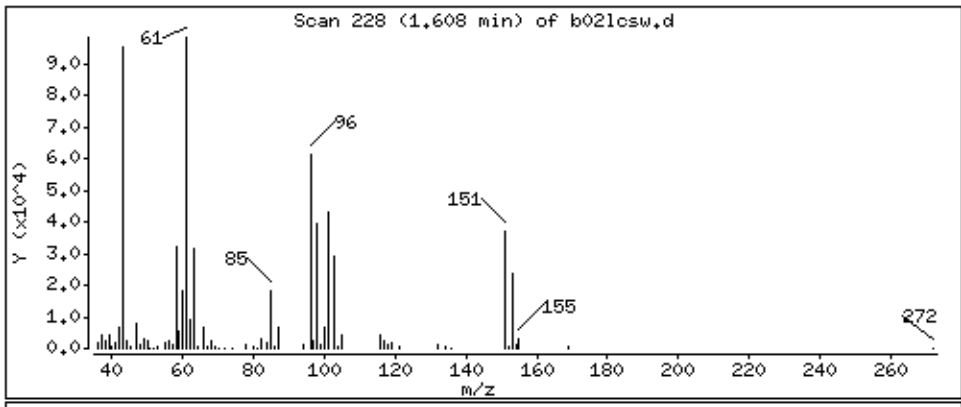
Column phase: DB-624

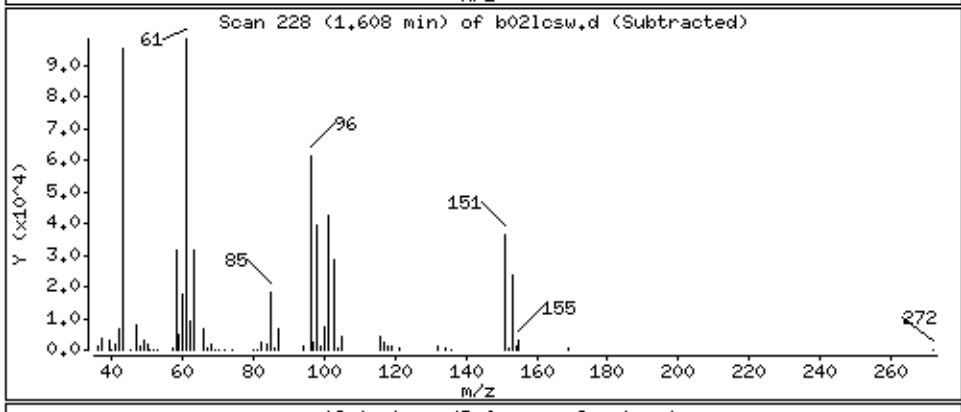
Column diameter: 0.18

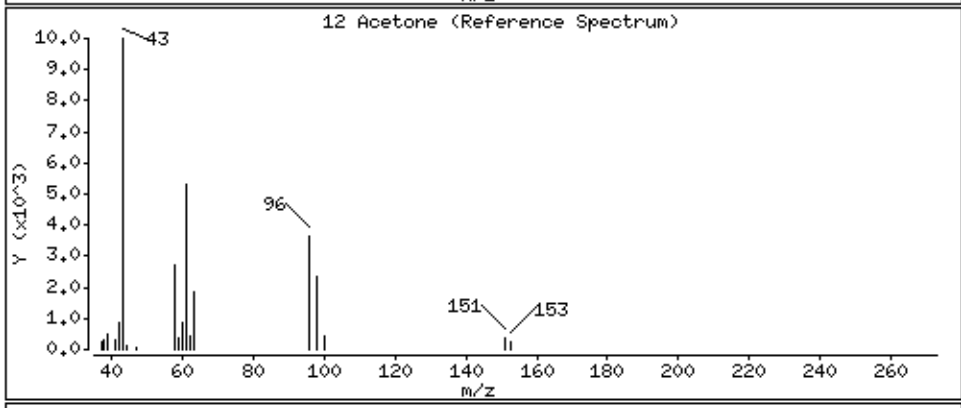
12 Acetone

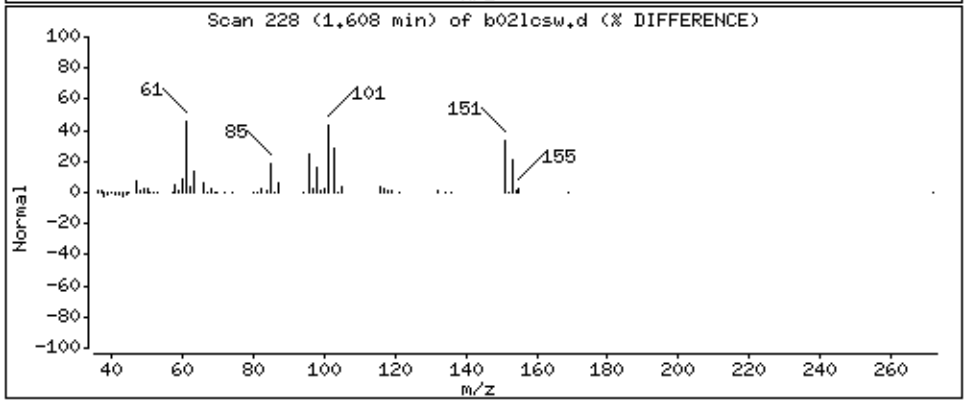
Concentration: 347 ppb

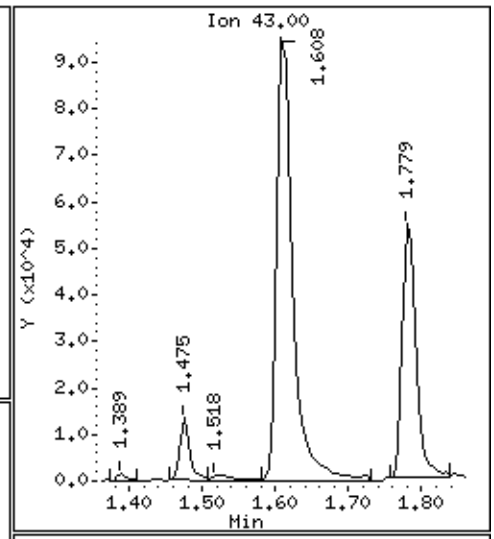
Review Code:

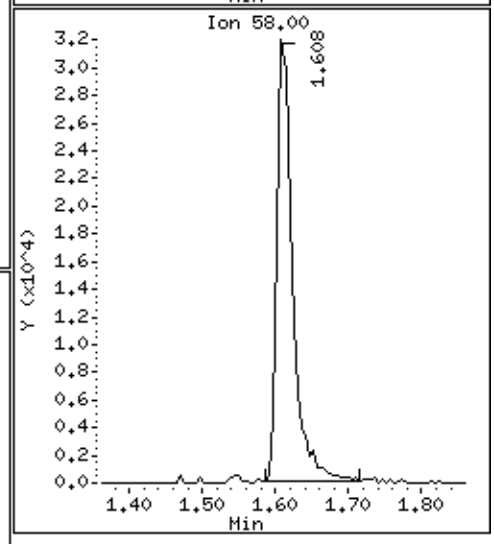












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

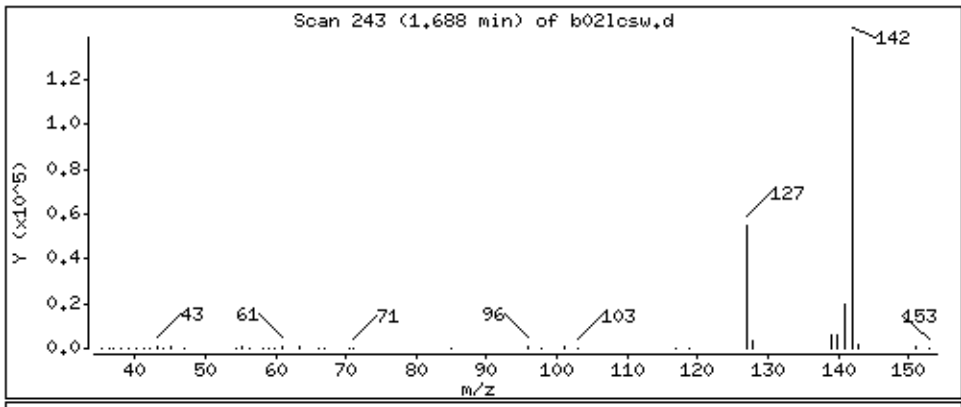
Column phase: DB-624

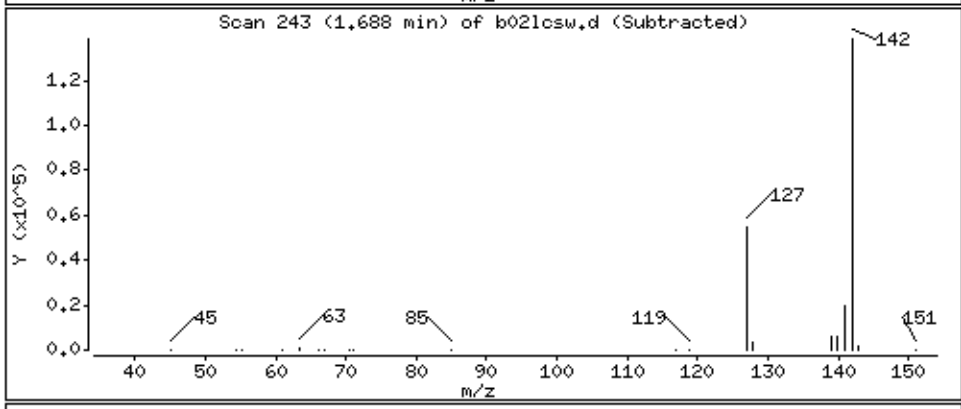
Column diameter: 0.18

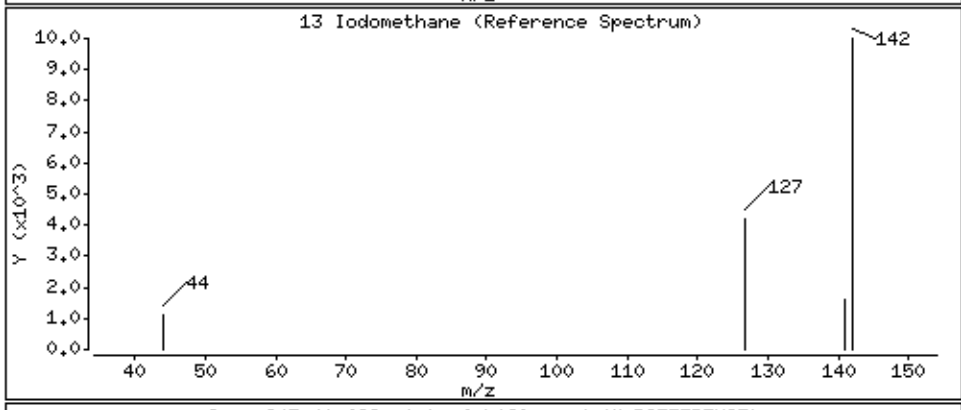
13 Iodomethane

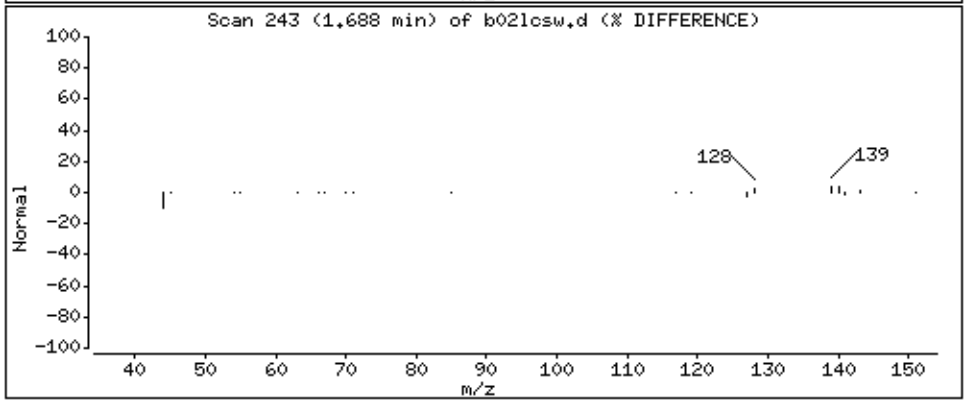
Concentration: 95.1 ppb

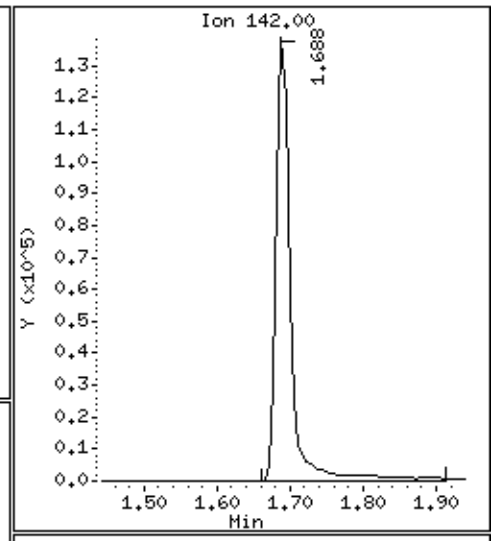
Review Code:

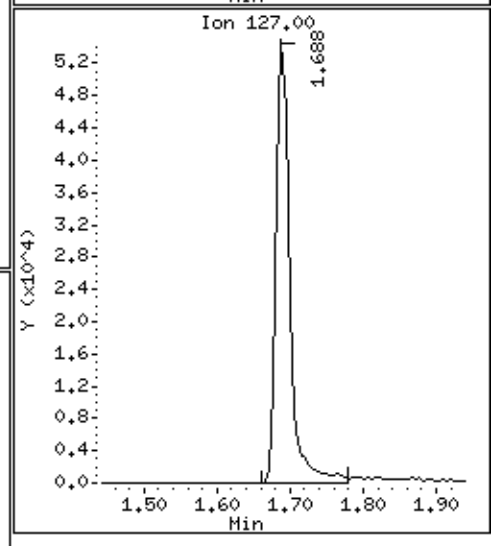












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

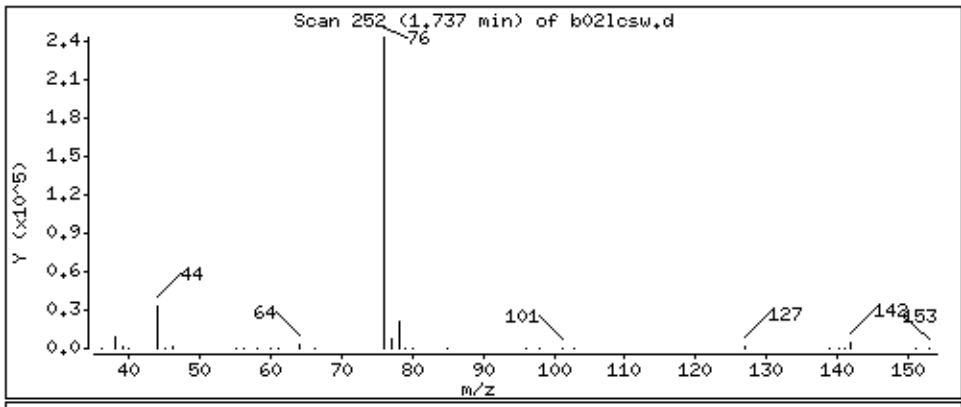
Column phase: DB-624

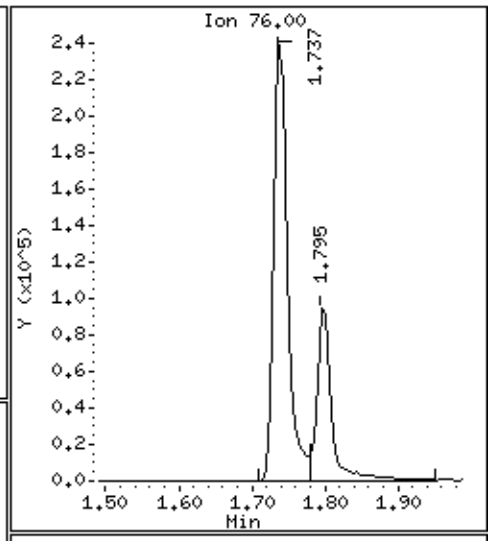
Column diameter: 0.18

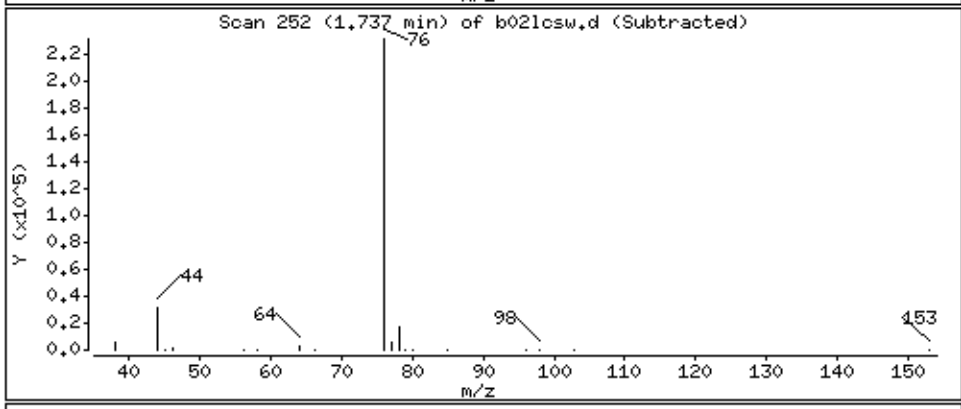
14 Carbon Disulfide

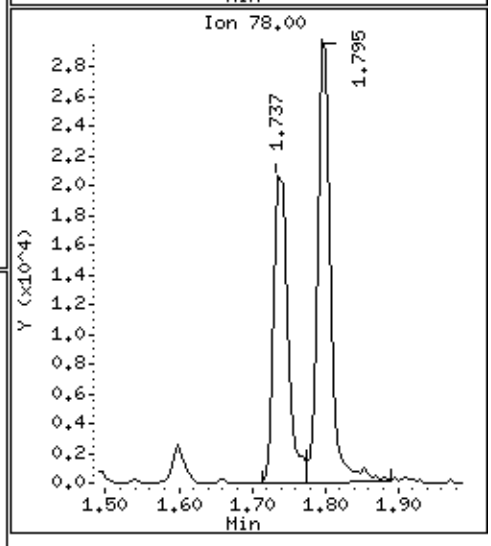
Concentration: 45.2 ppb

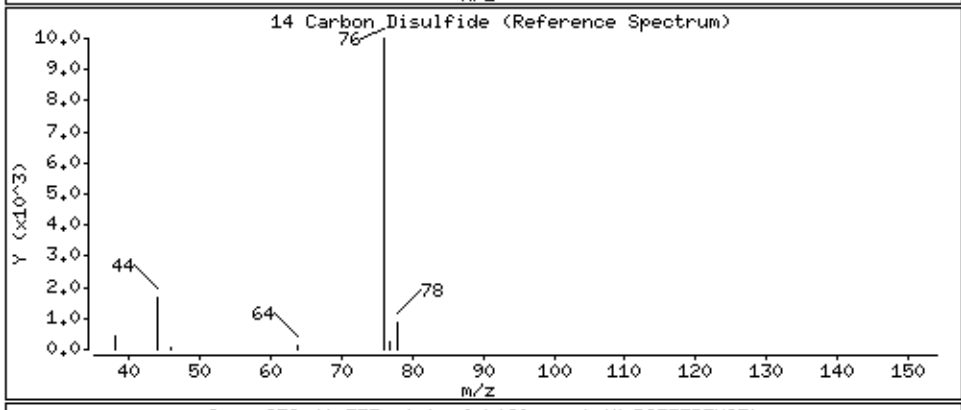
Review Code:

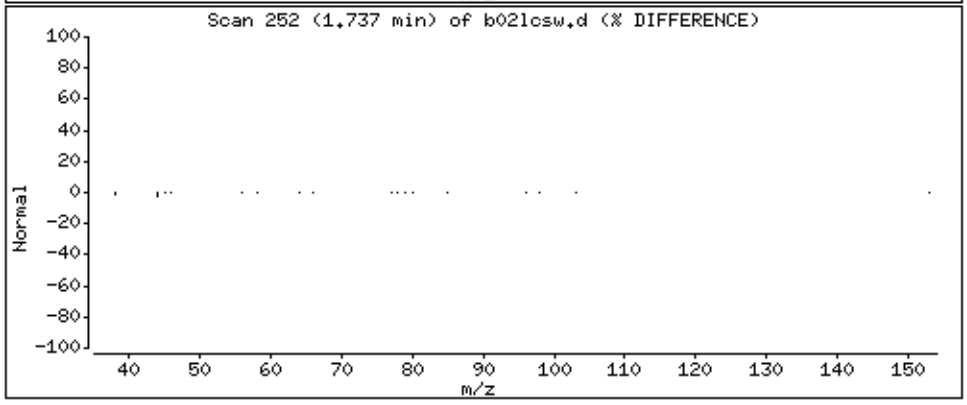












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

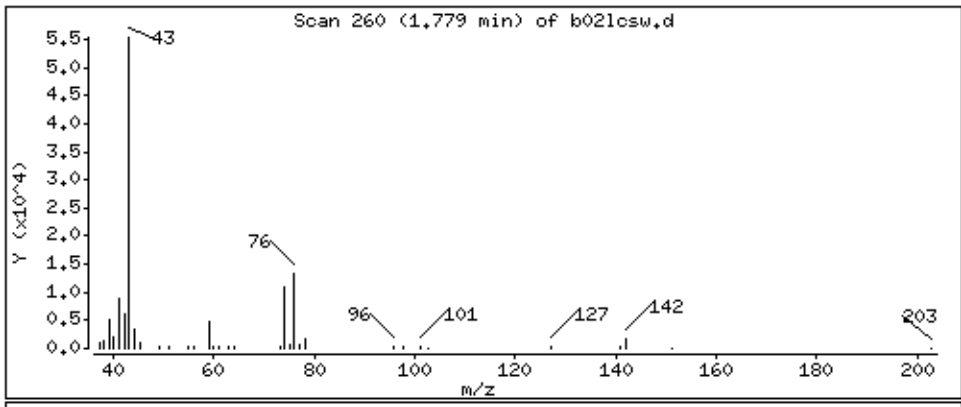
Column phase: DB-624

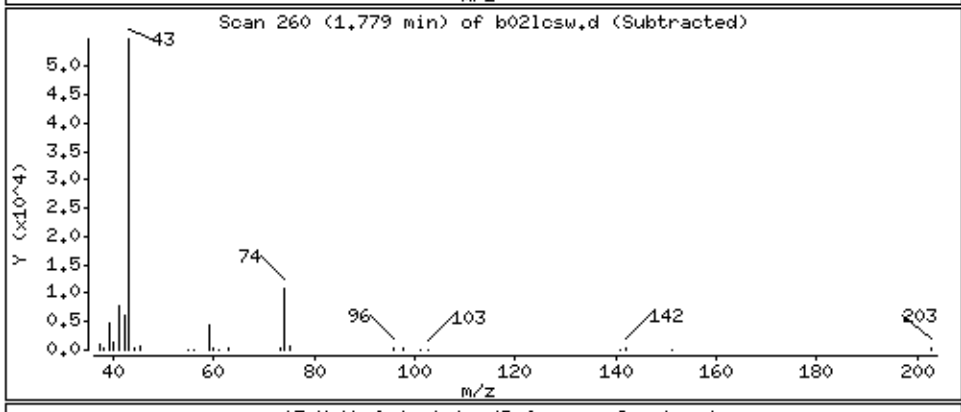
Column diameter: 0.18

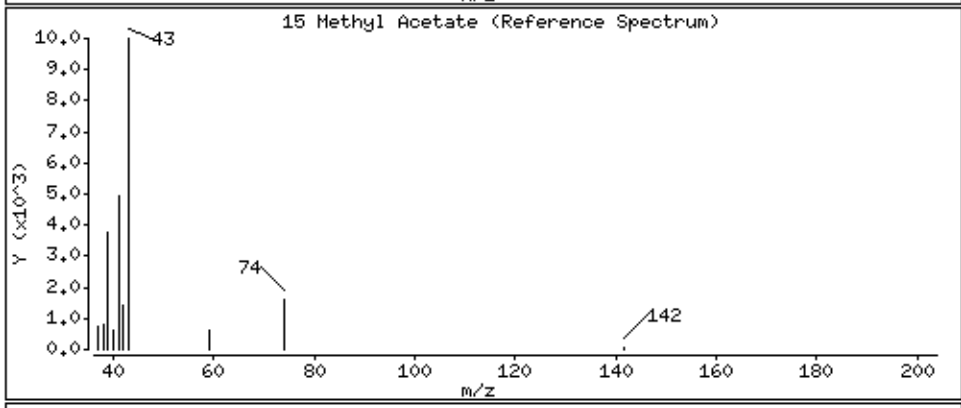
15 Methyl Acetate

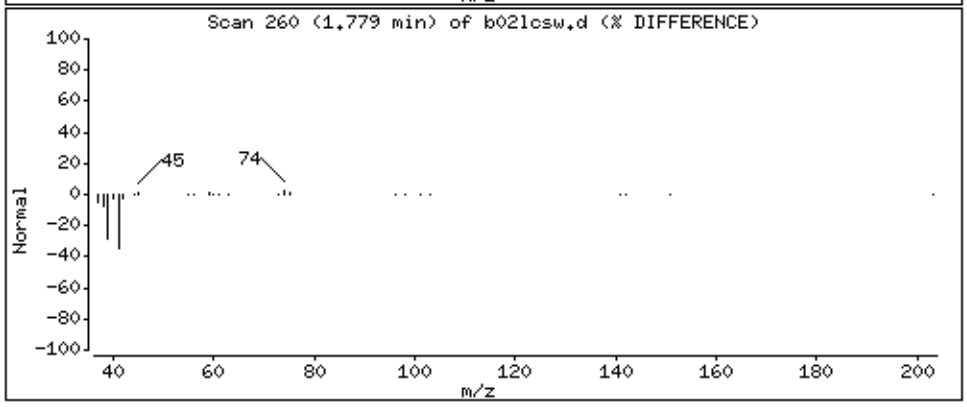
Concentration: 65.5 ppb

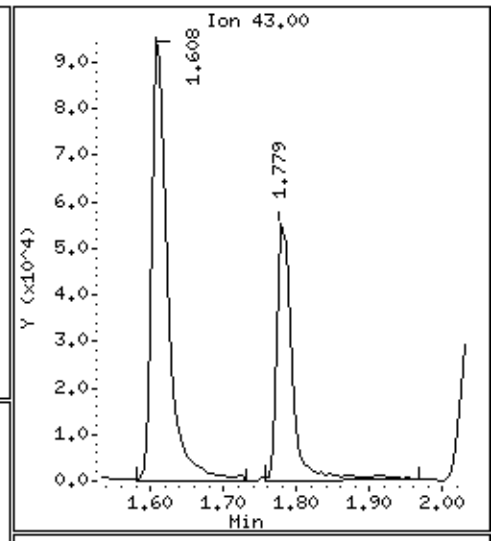
Review Code:

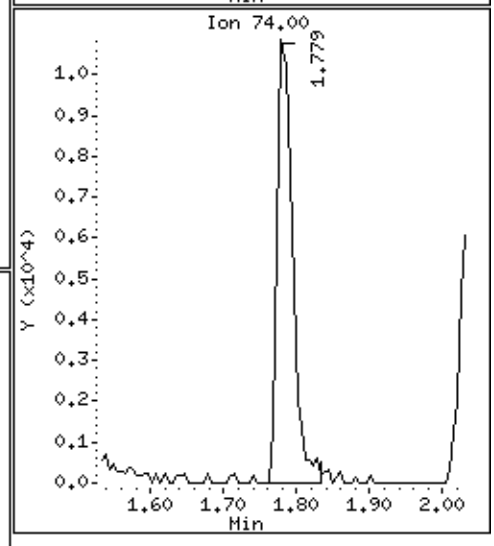












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

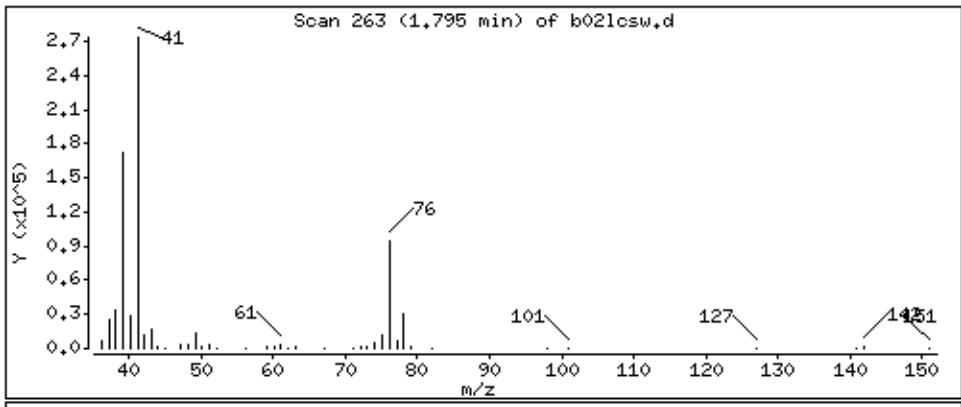
Column phase: DB-624

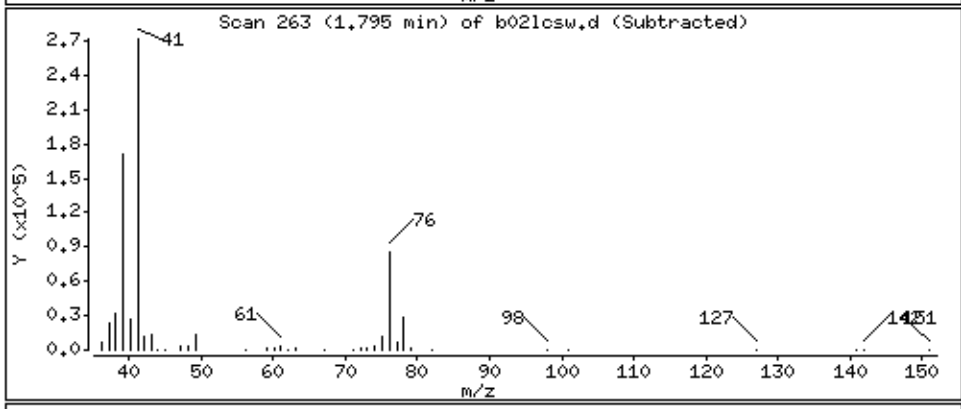
Column diameter: 0.18

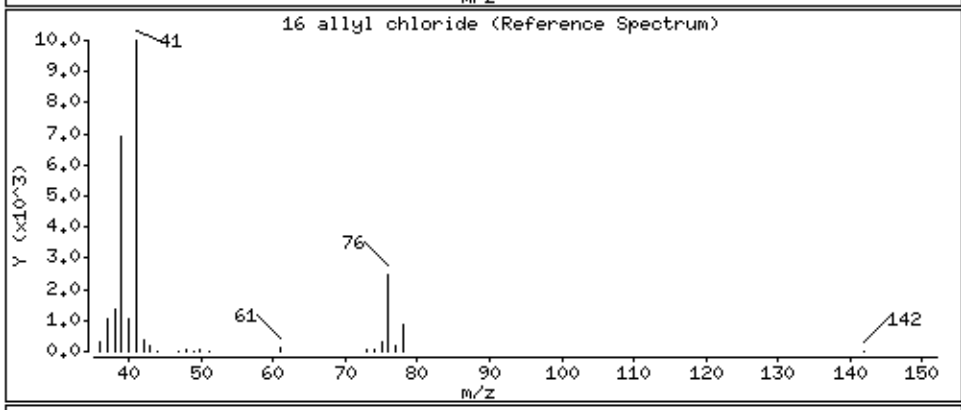
16 allyl chloride

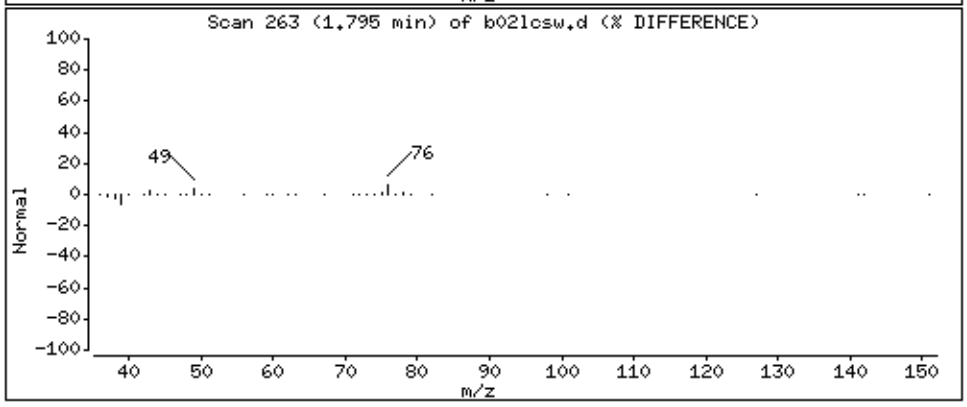
Concentration: 87.9 ppb

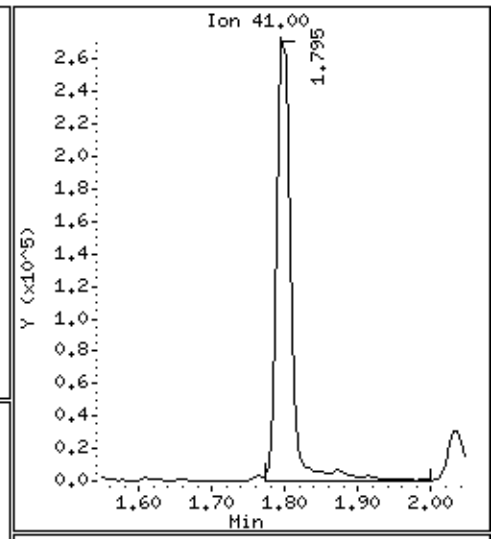
Review Code:

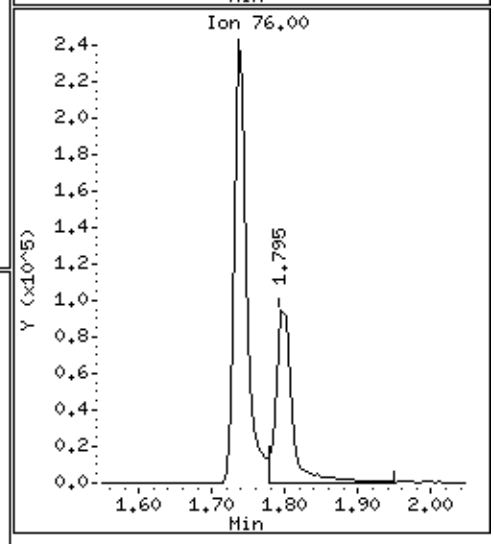












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

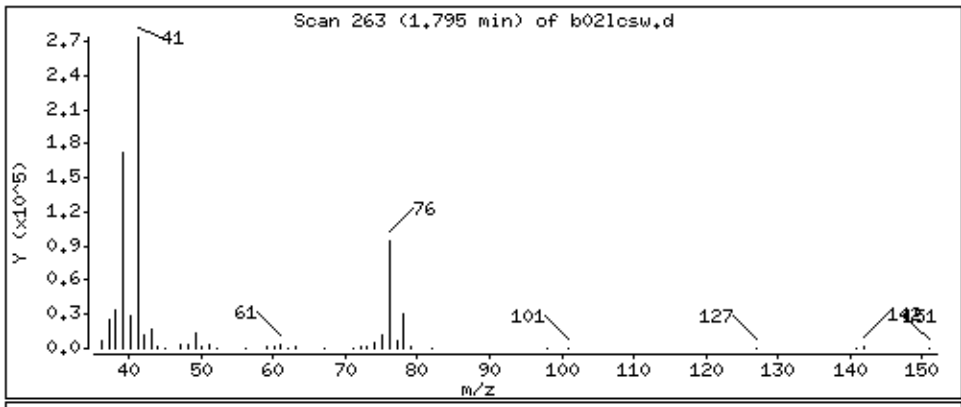
Column phase: DB-624

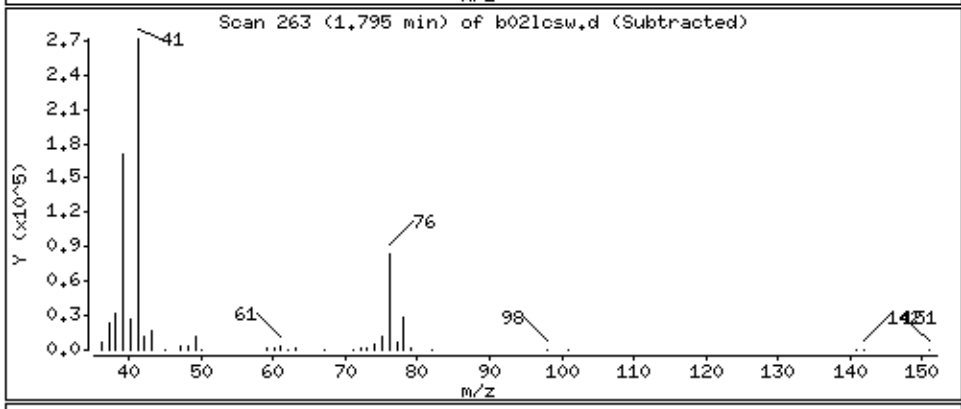
Column diameter: 0.18

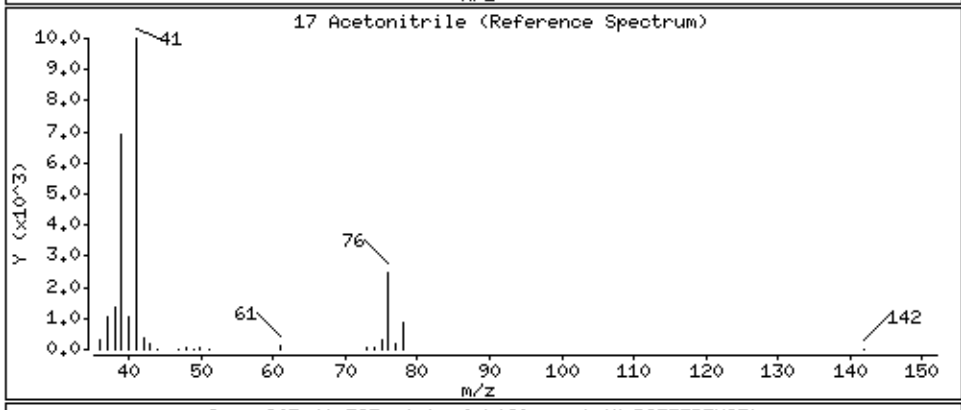
17 Acetonitrile

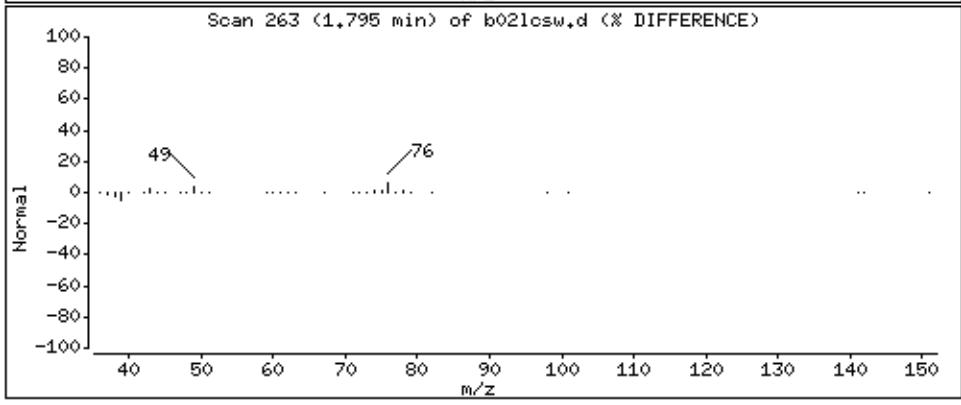
Concentration: 37.7 ppb

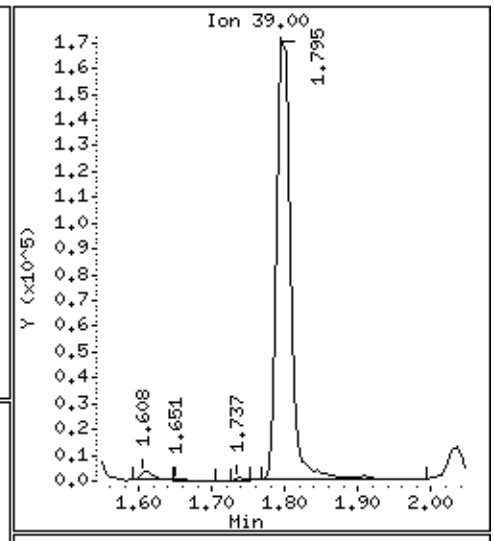
Review Code:

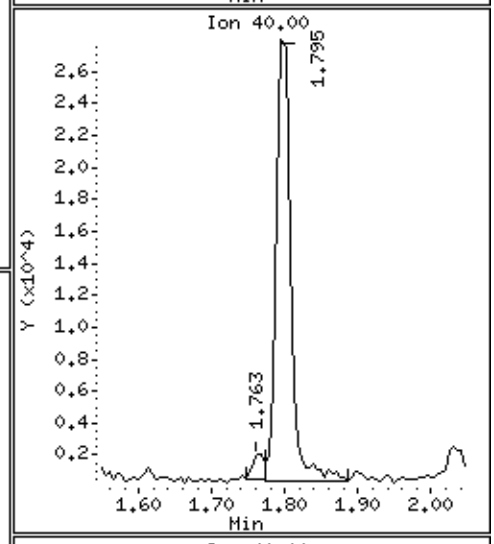


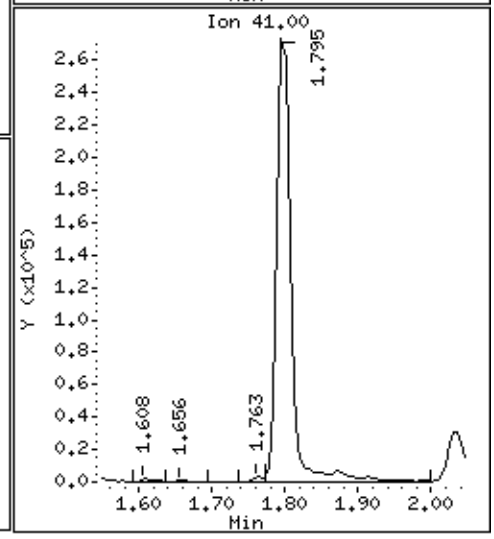












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

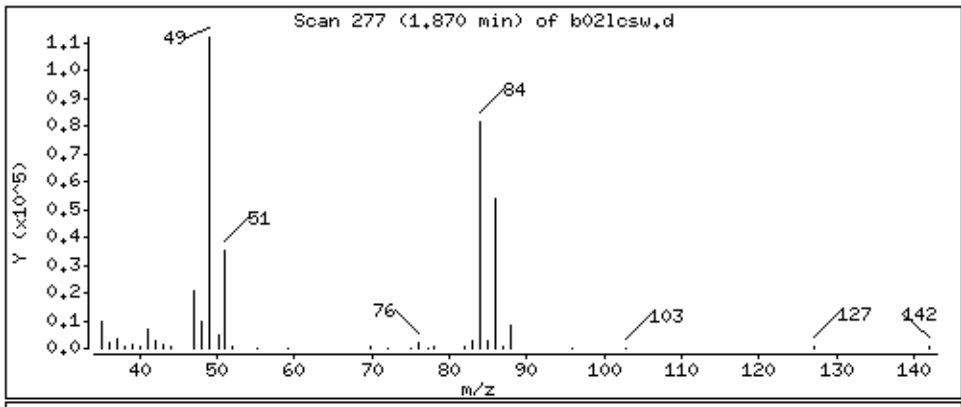
Column phase: DB-624

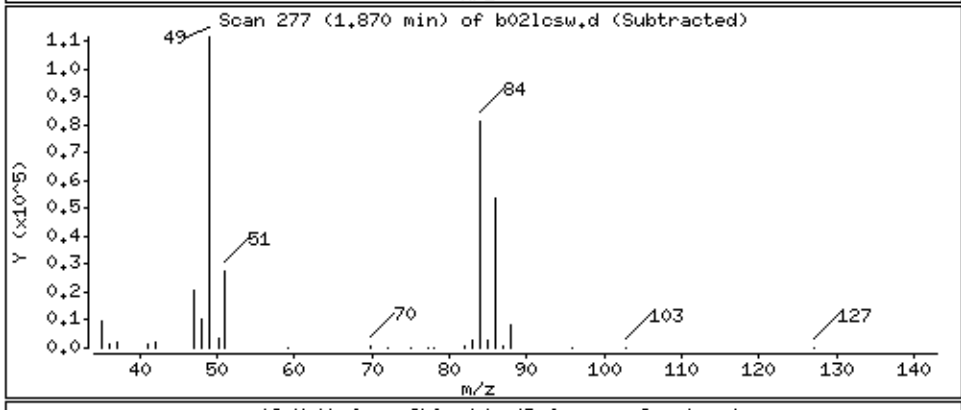
Column diameter: 0.18

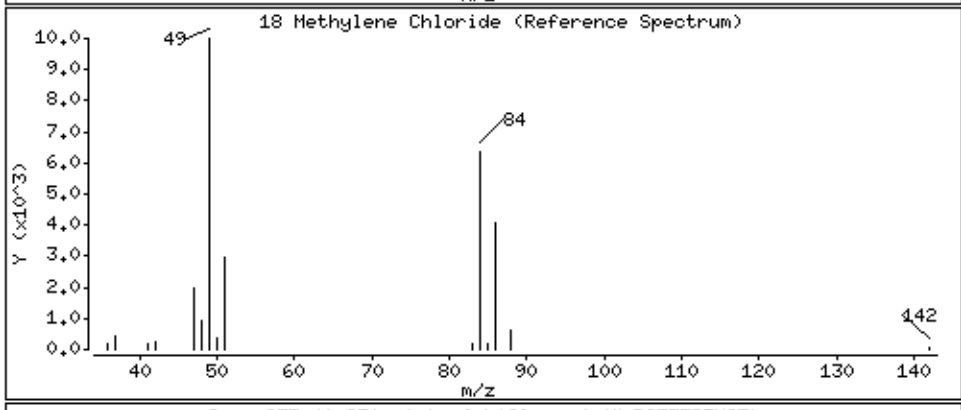
18 Methylene Chloride

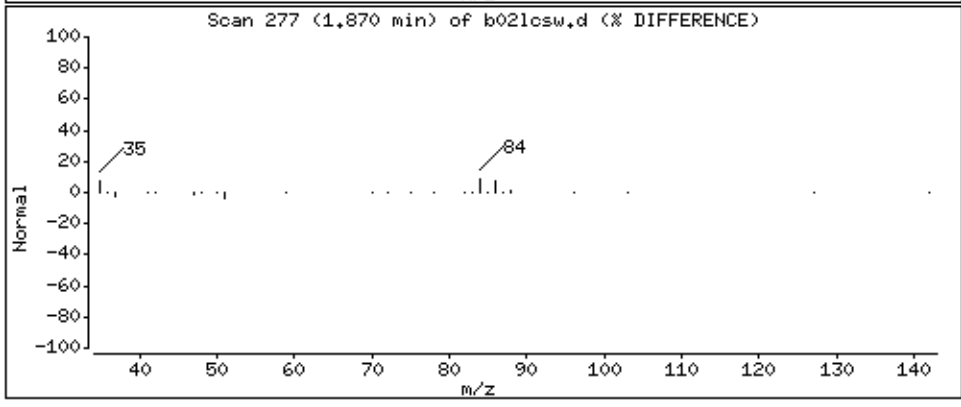
Concentration: 54.2 ppb

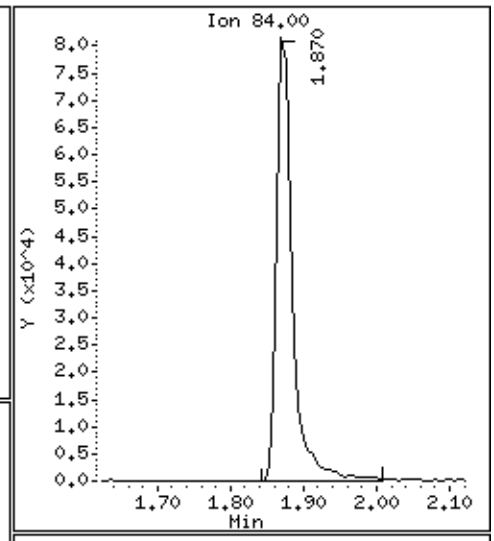
Review Code:

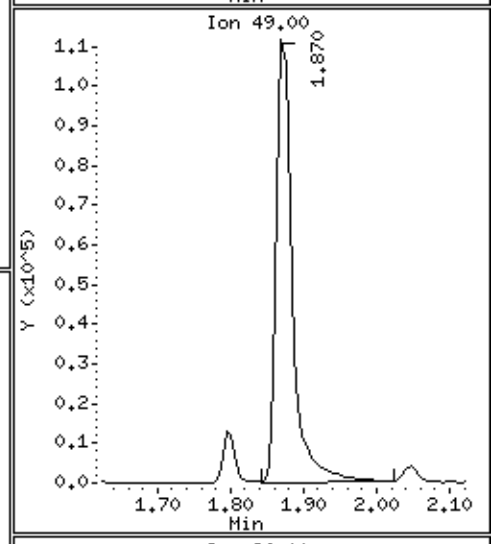


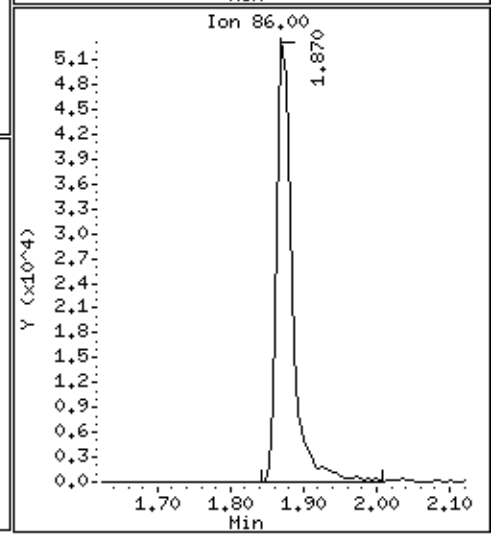












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

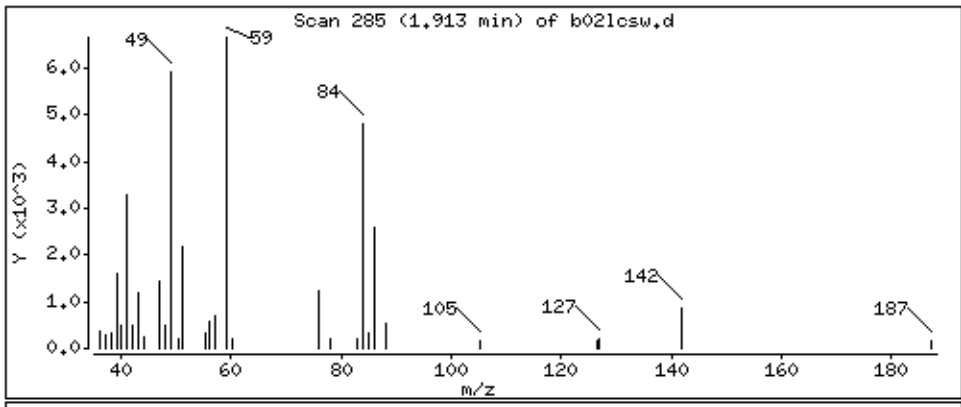
Column phase: DB-624

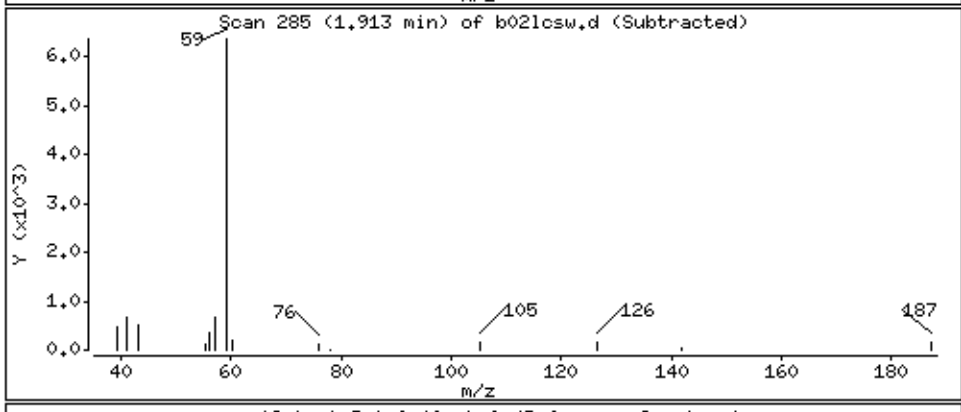
Column diameter: 0.18

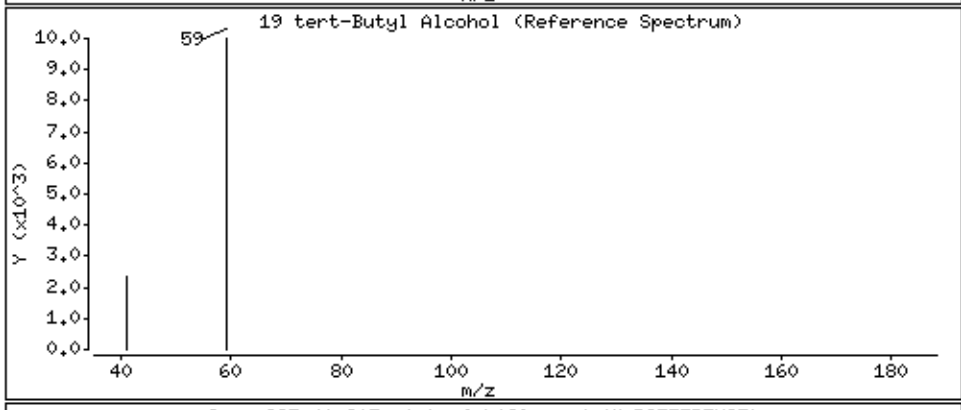
19 tert-Butyl Alcohol

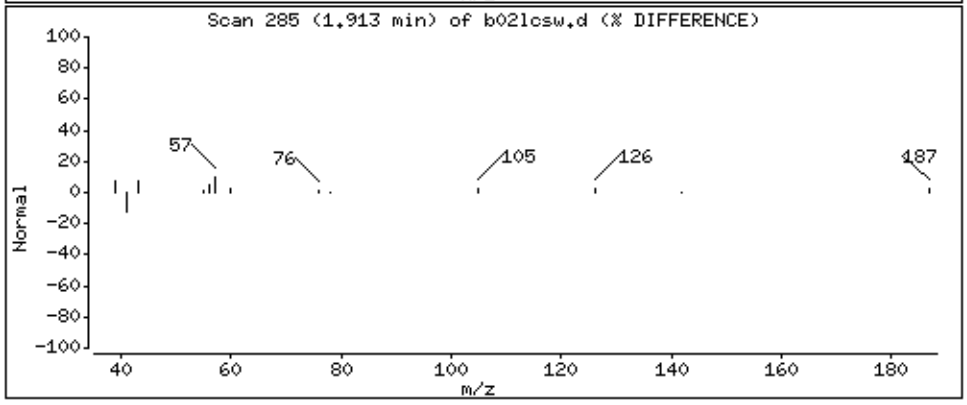
Concentration: 85.0 ppb

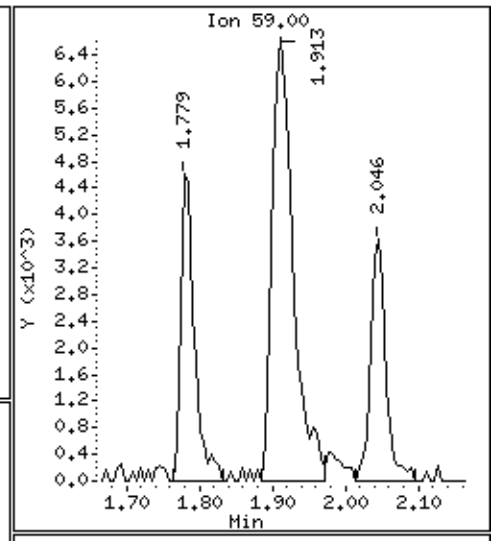
Review Code:

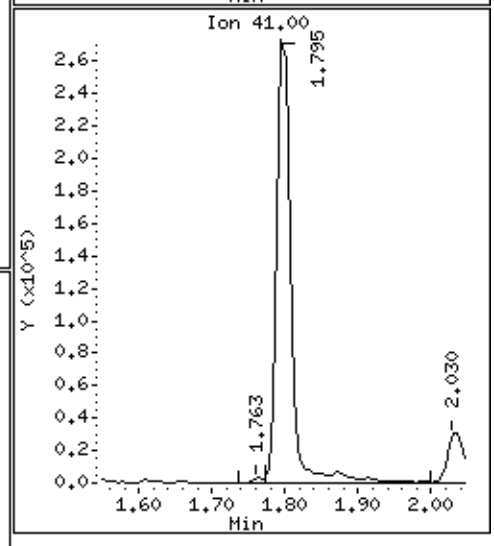












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

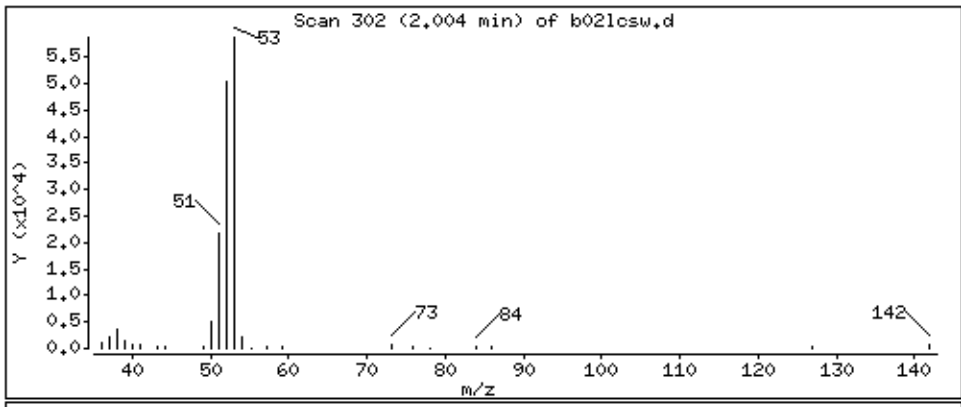
Column phase: DB-624

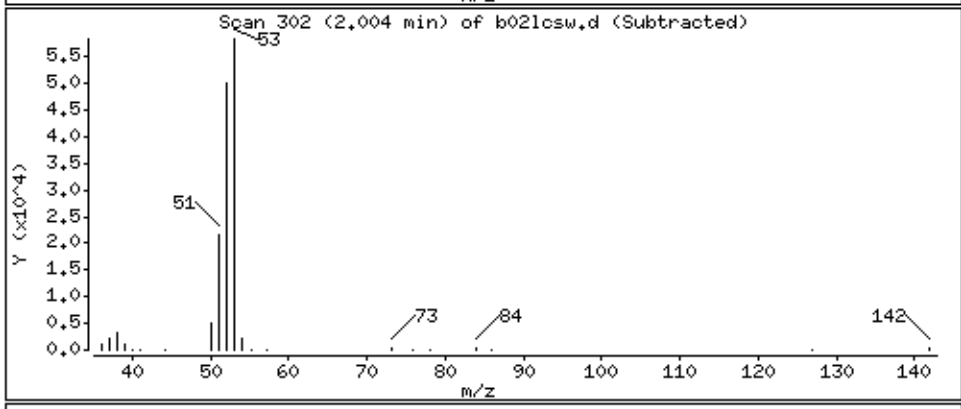
Column diameter: 0.18

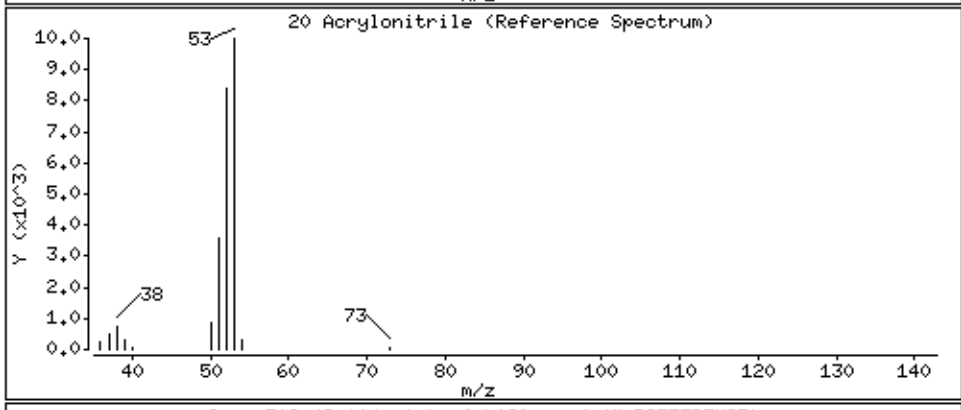
20 Acrylonitrile

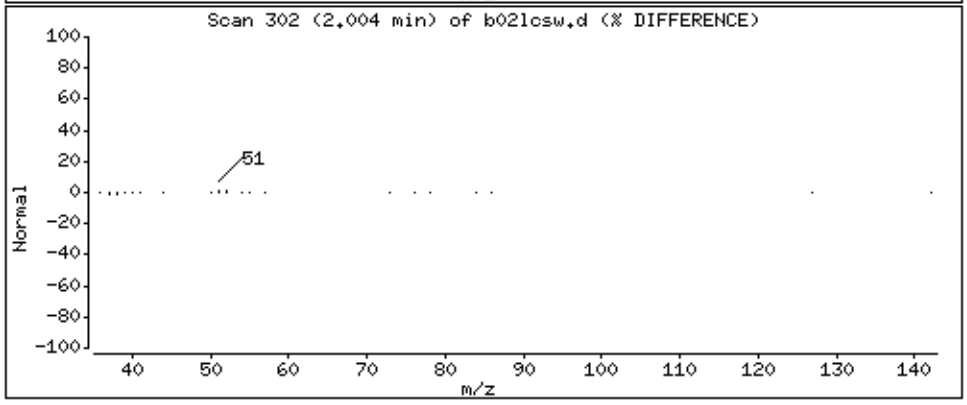
Concentration: 180 ppb

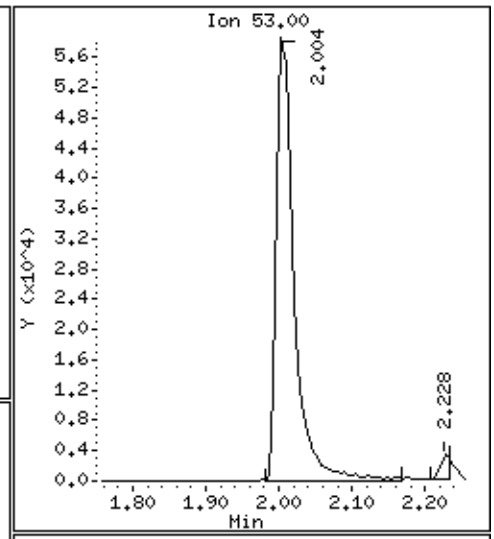
Review Code:

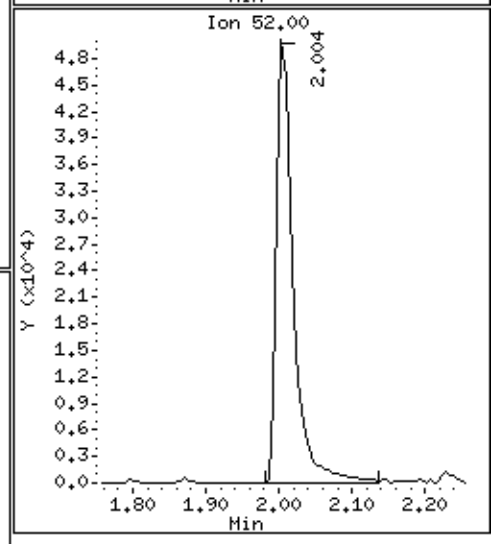












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b021csw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

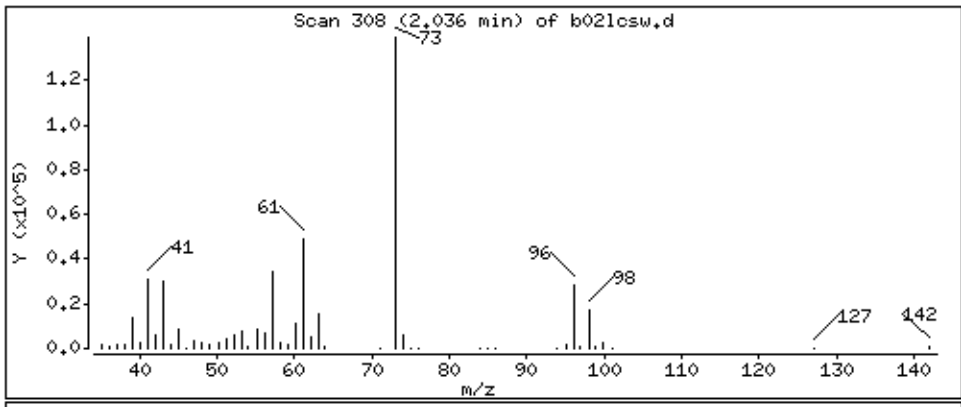
Column phase: DB-624

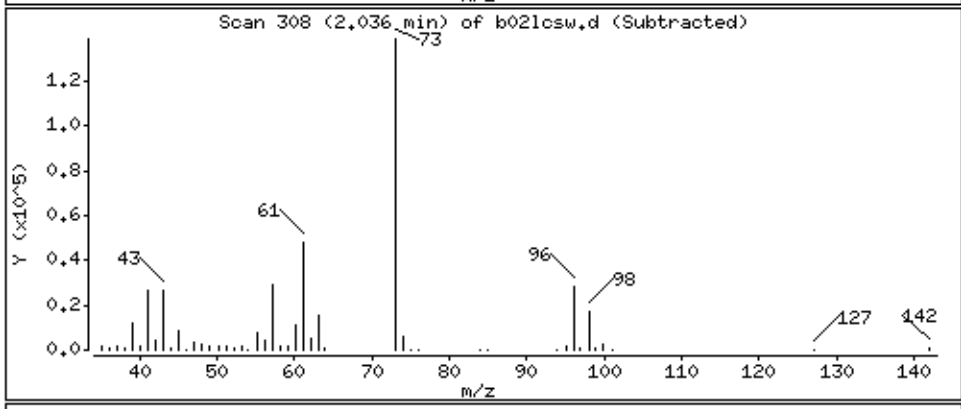
Column diameter: 0.18

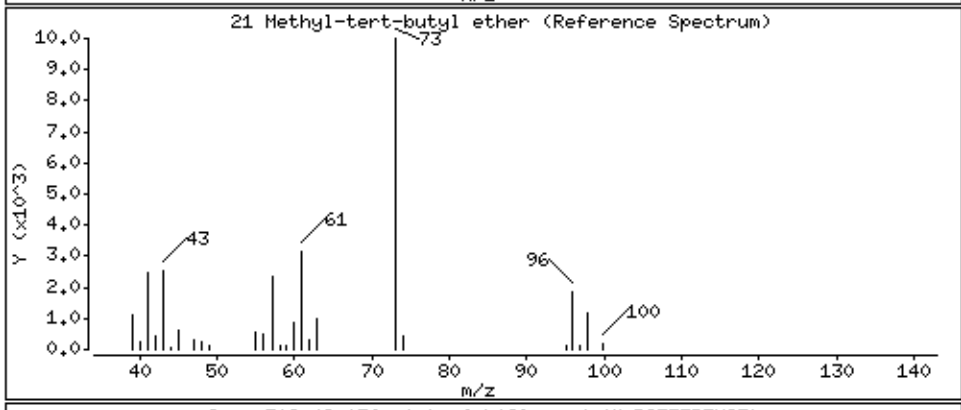
21 Methyl-tert-butyl ether

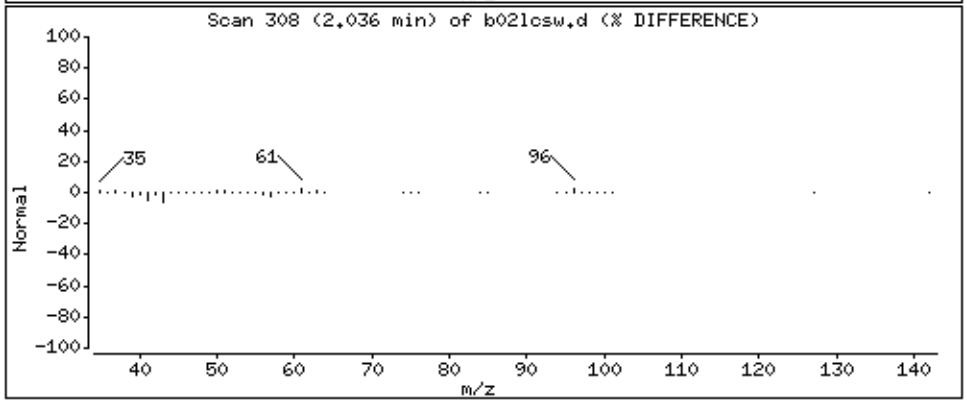
Concentration: 45.5 ppb

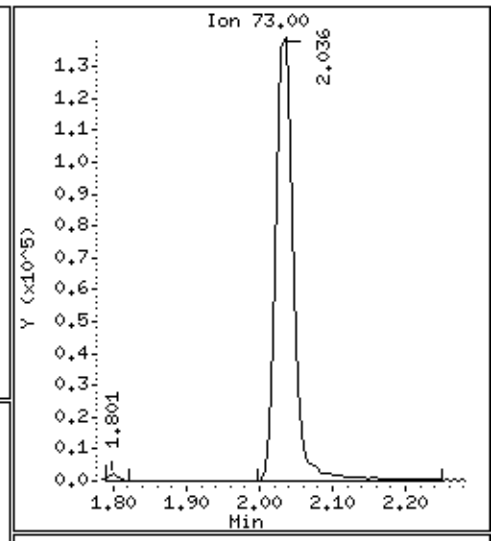
Review Code:

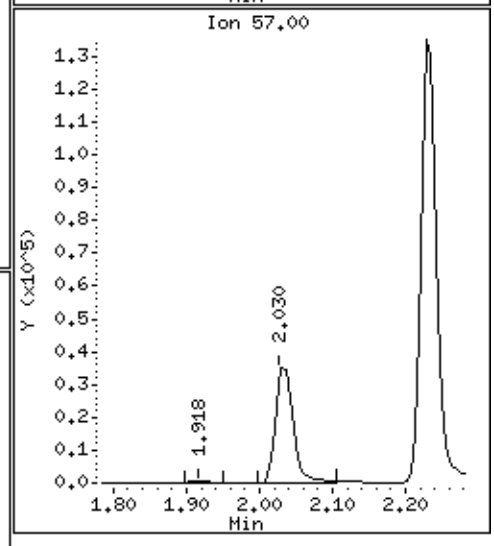












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

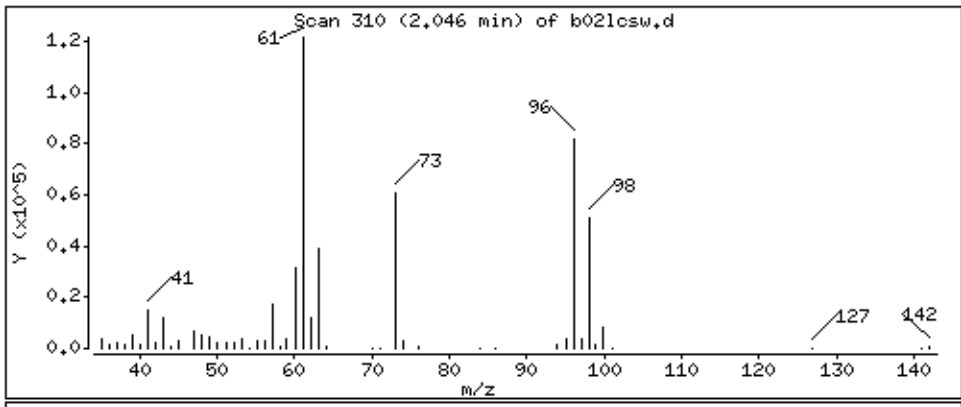
Column phase: DB-624

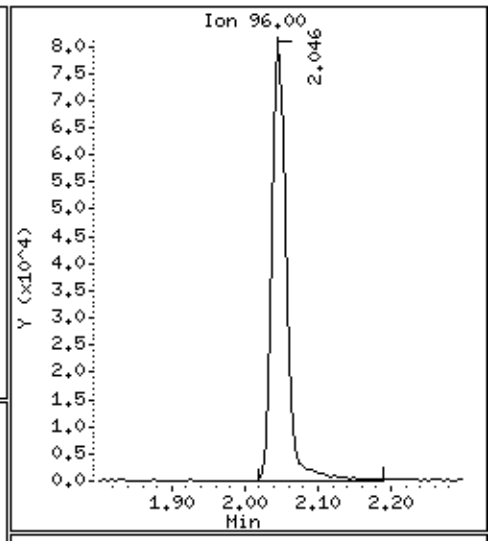
Column diameter: 0.18

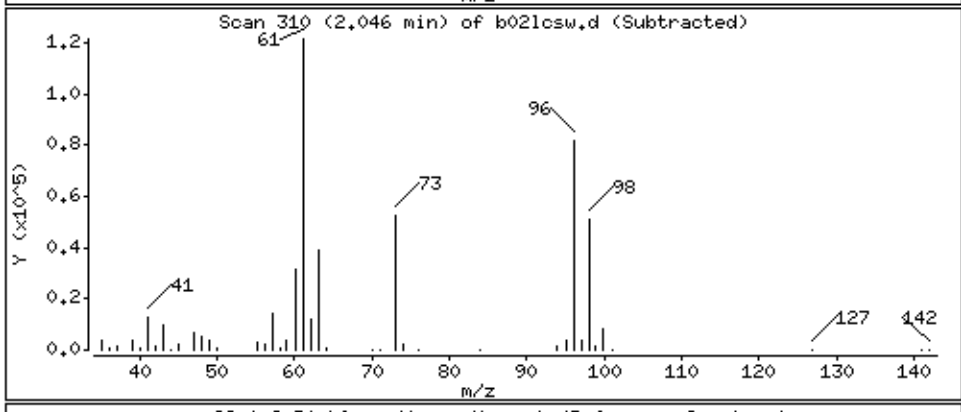
22 1,2-Dichloroethene (trans)

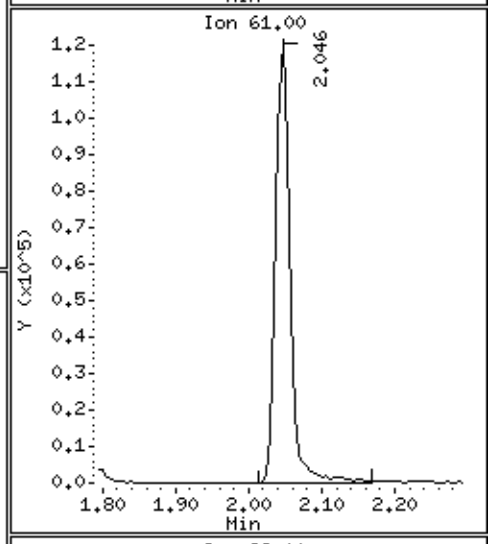
Concentration: 47.4 ppb

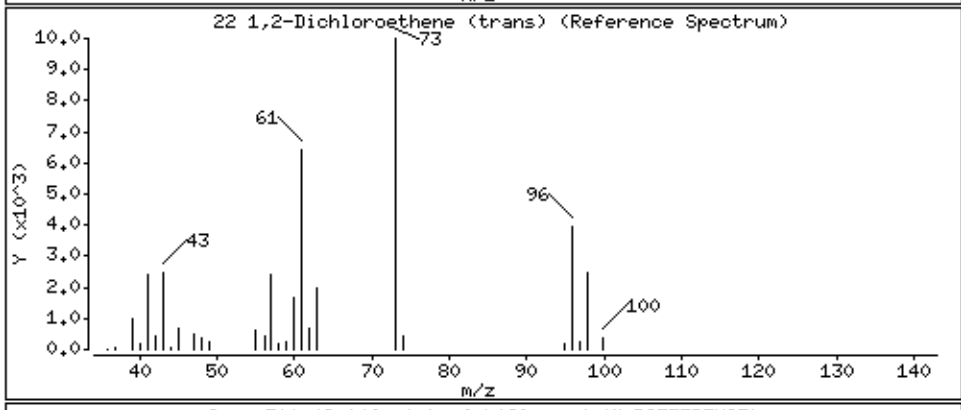
Review Code:

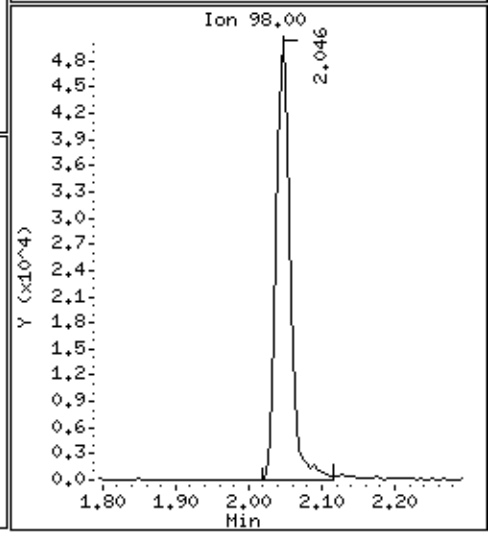


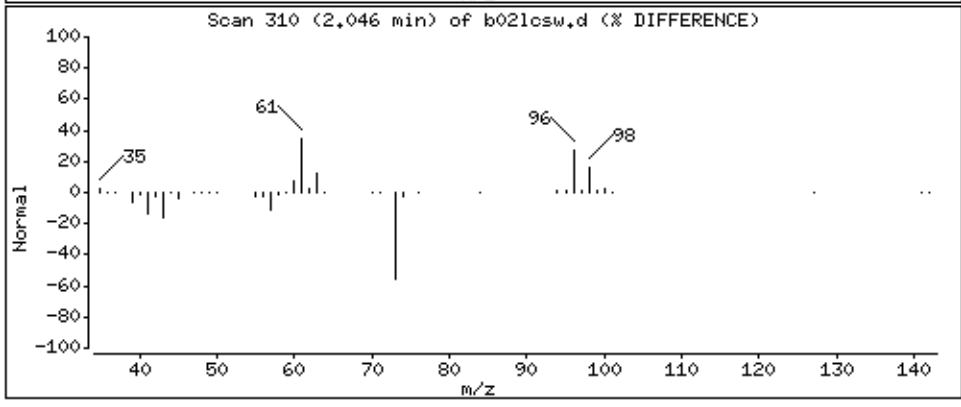












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

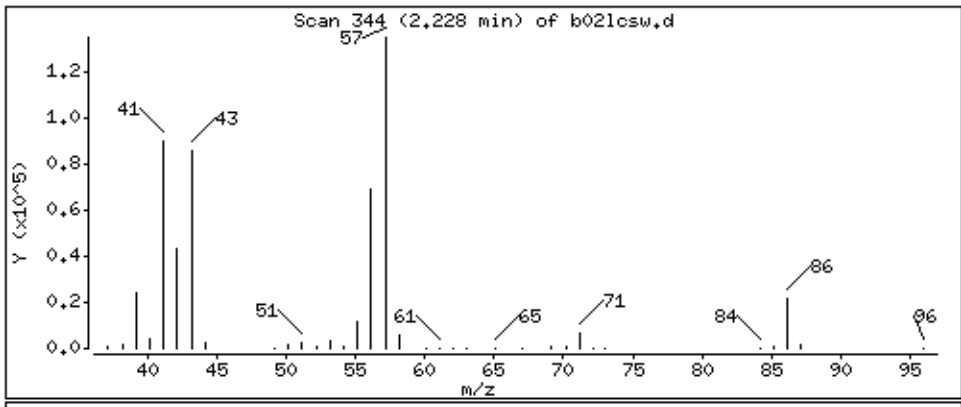
Column phase: DB-624

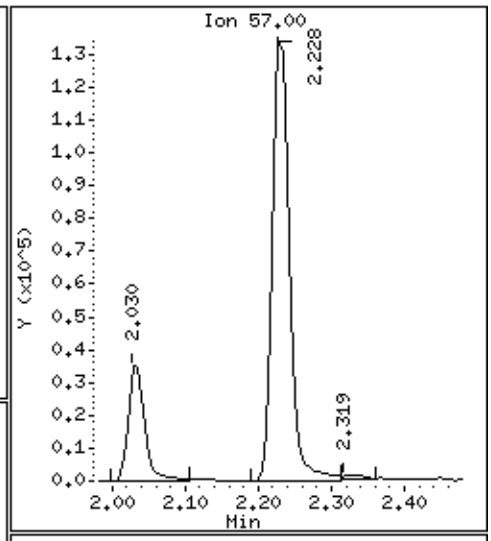
Column diameter: 0.18

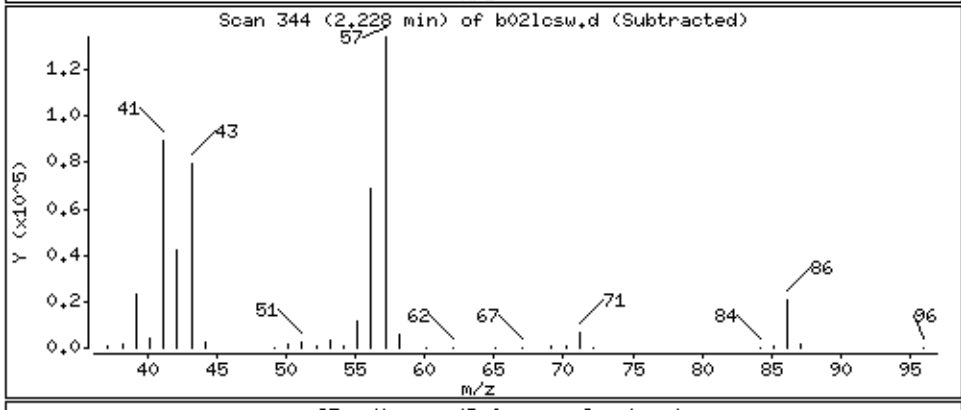
23 n-Hexane

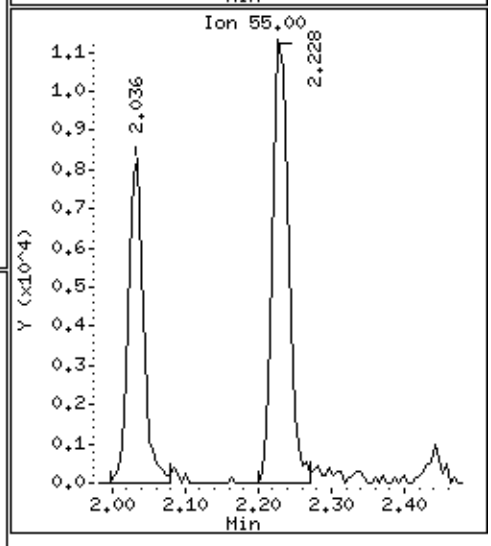
Concentration: 47.5 ppb

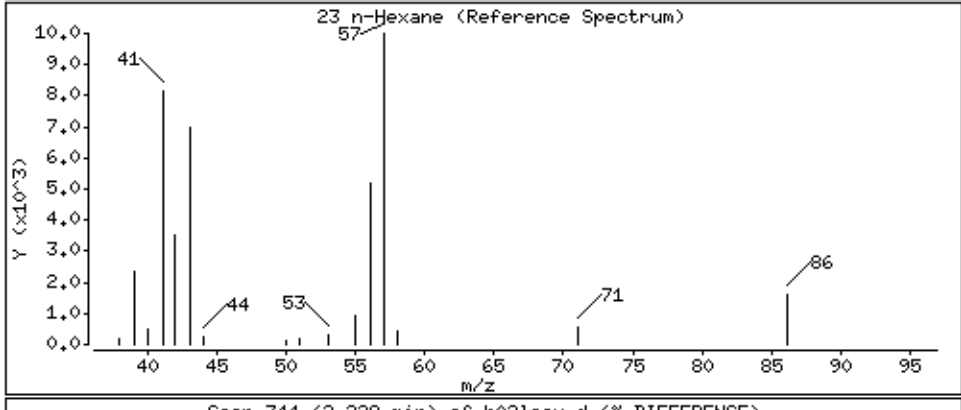
Review Code:

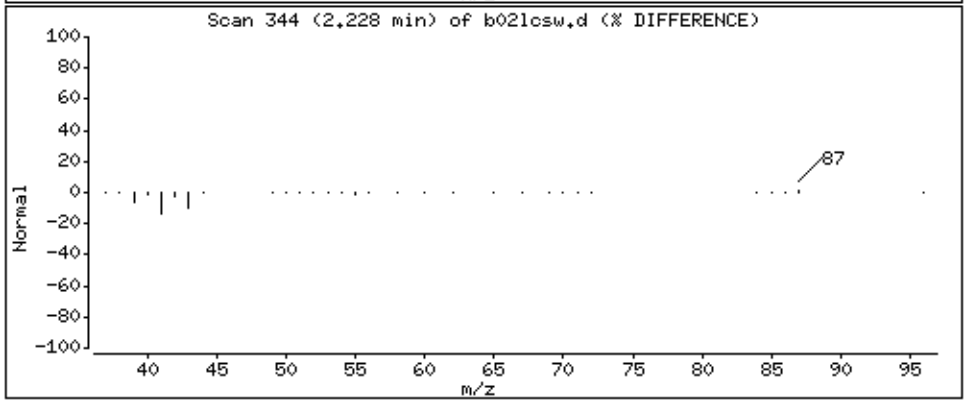












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

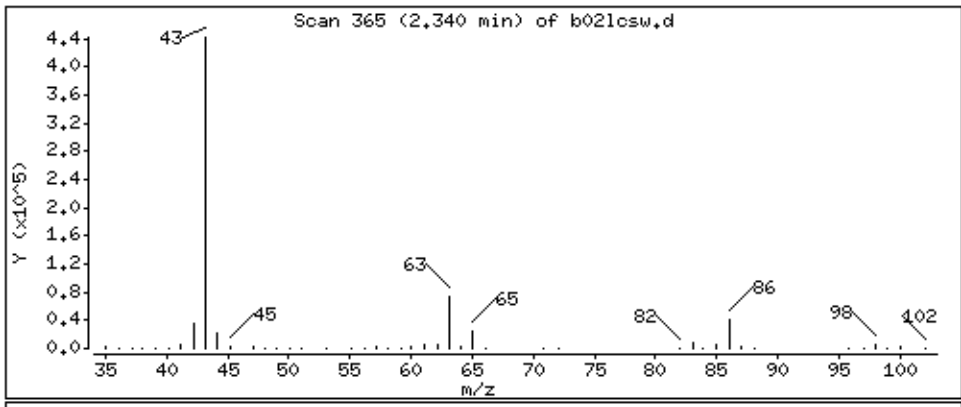
Column phase: DB-624

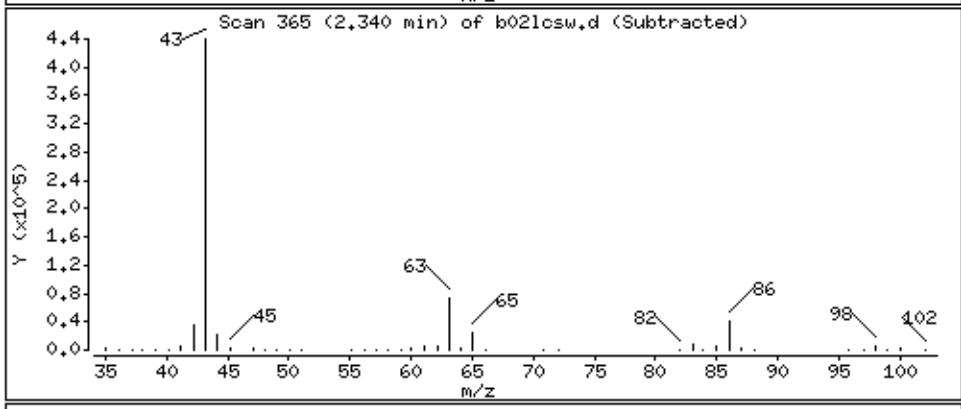
Column diameter: 0.18

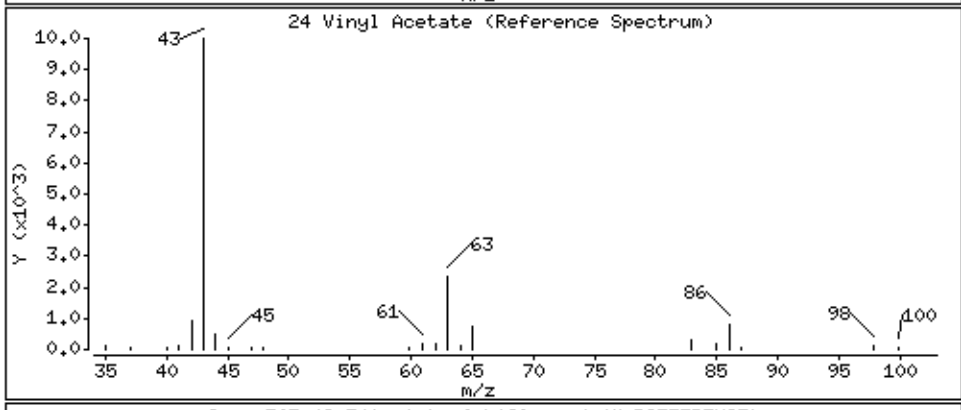
24 Vinyl Acetate

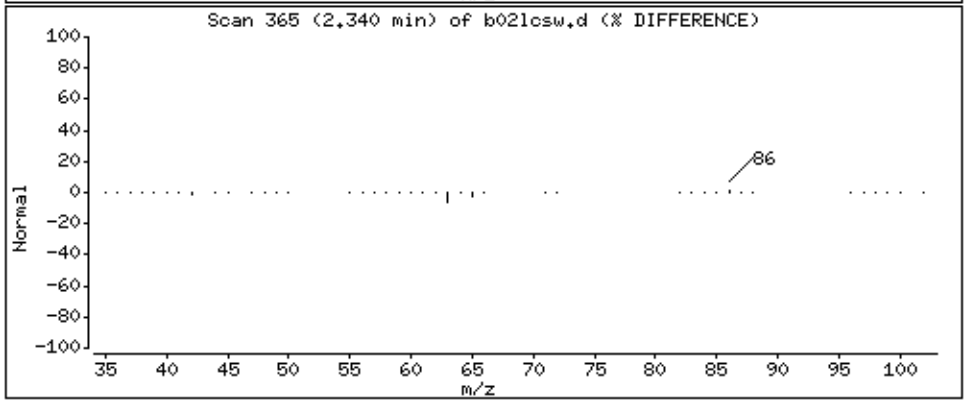
Concentration: 214 ppb

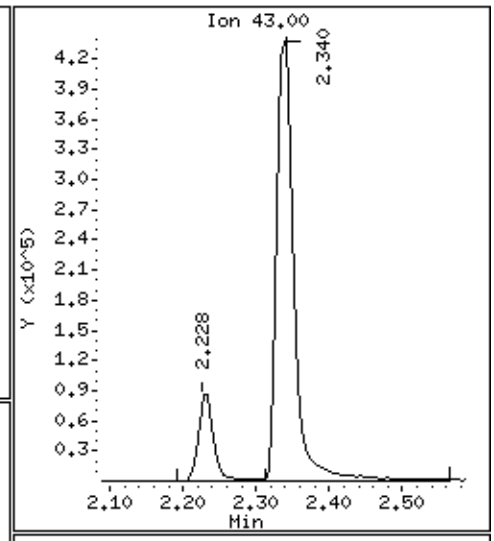
Review Code:

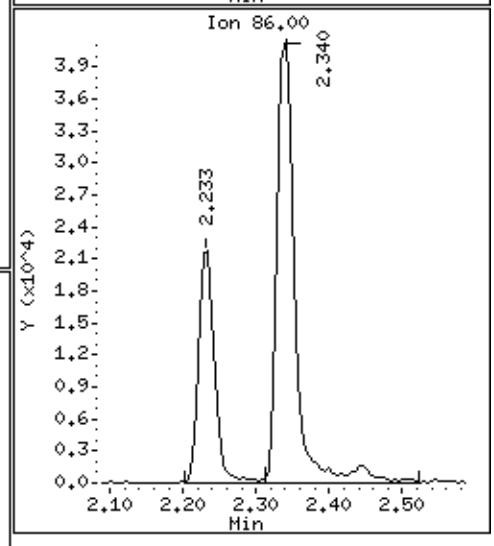












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

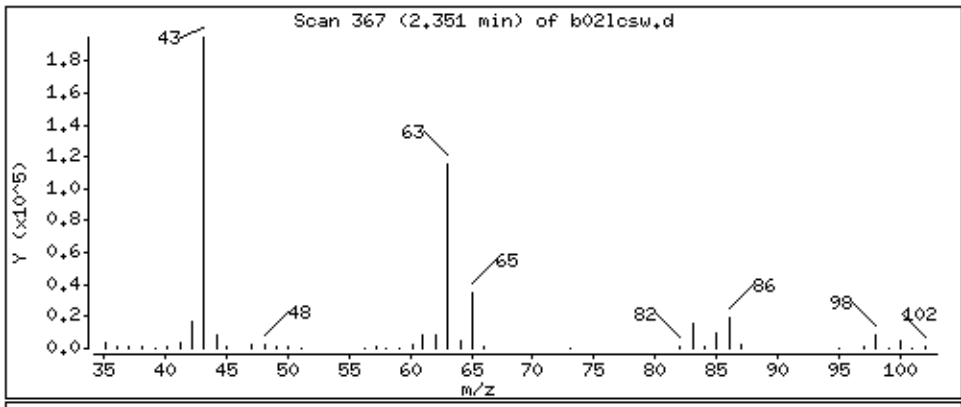
Column phase: DB-624

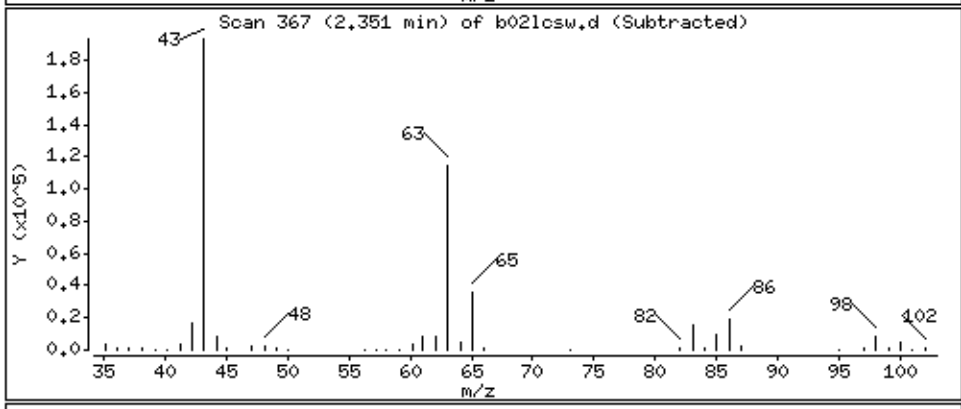
Column diameter: 0.18

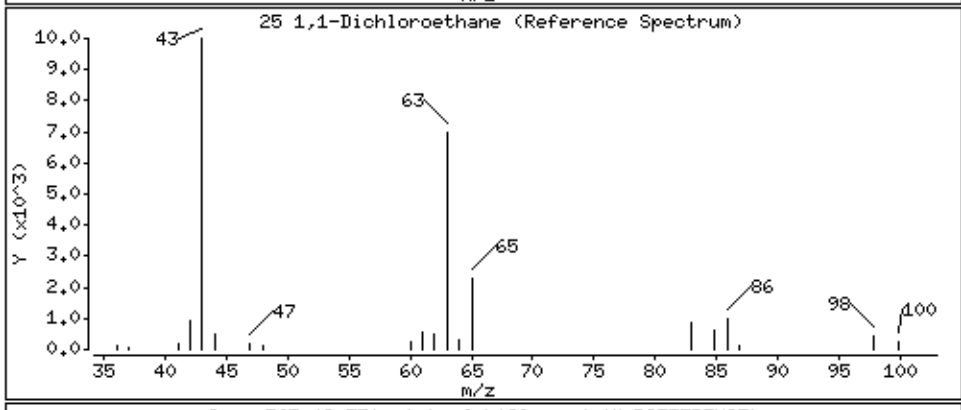
25 1,1-Dichloroethane

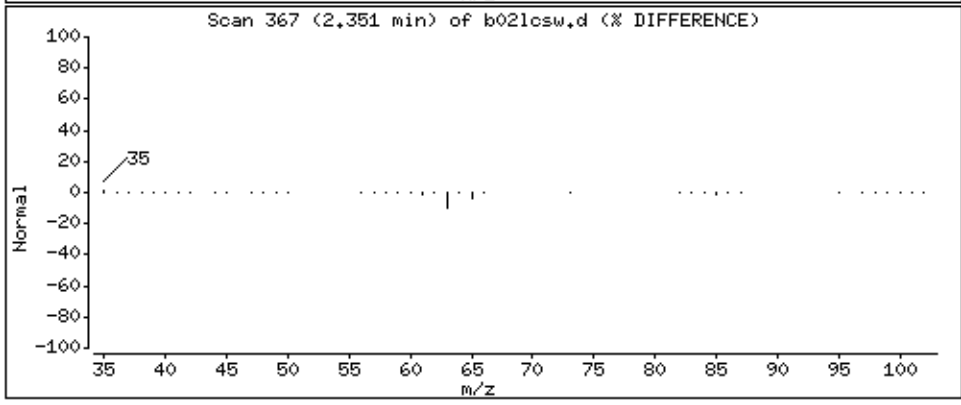
Concentration: 45.8 ppb

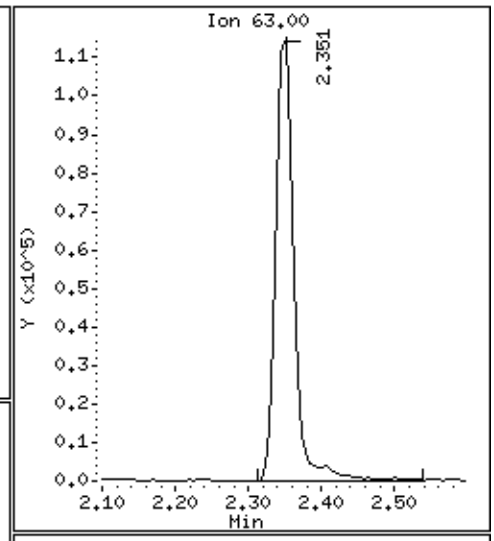
Review Code:

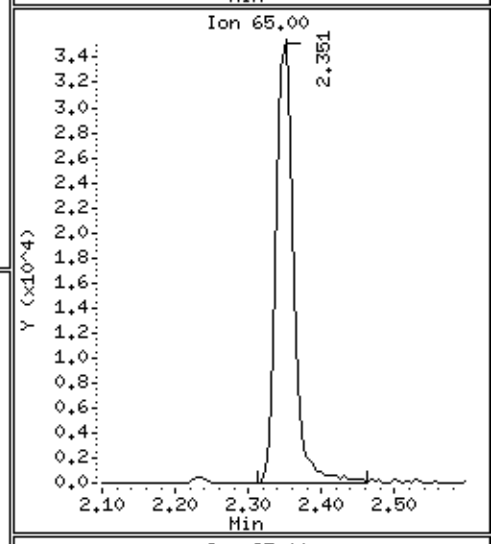


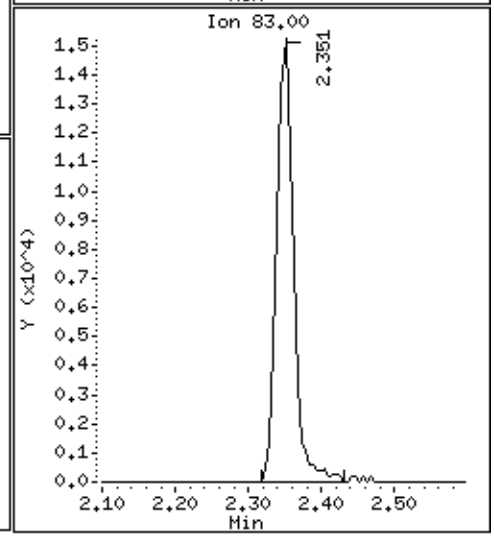












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

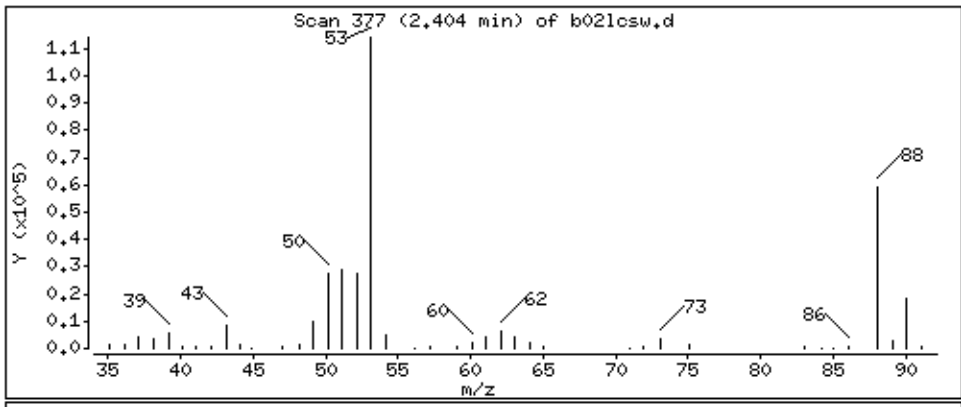
Column phase: DB-624

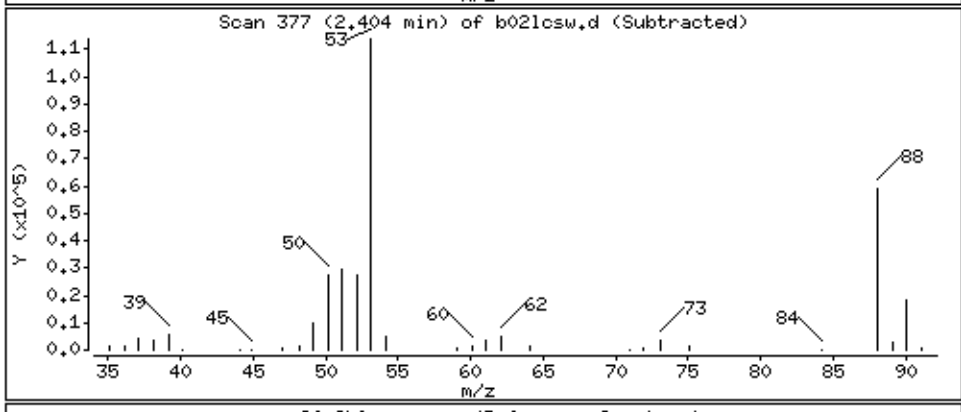
Column diameter: 0.18

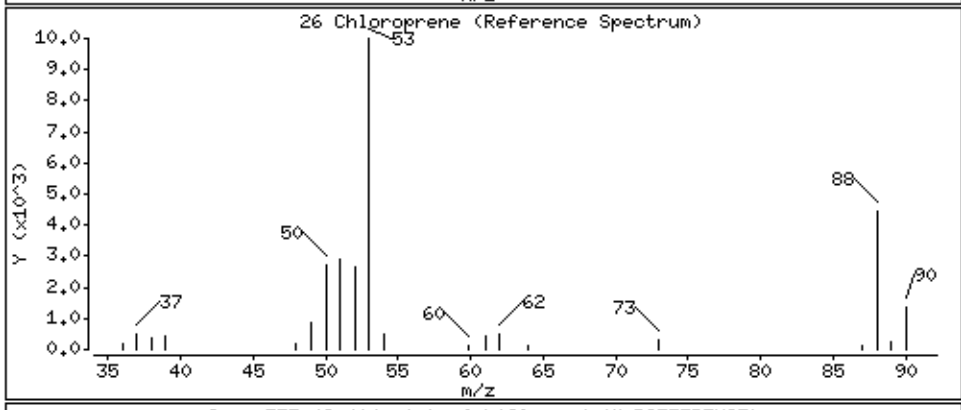
26 Chloroprene

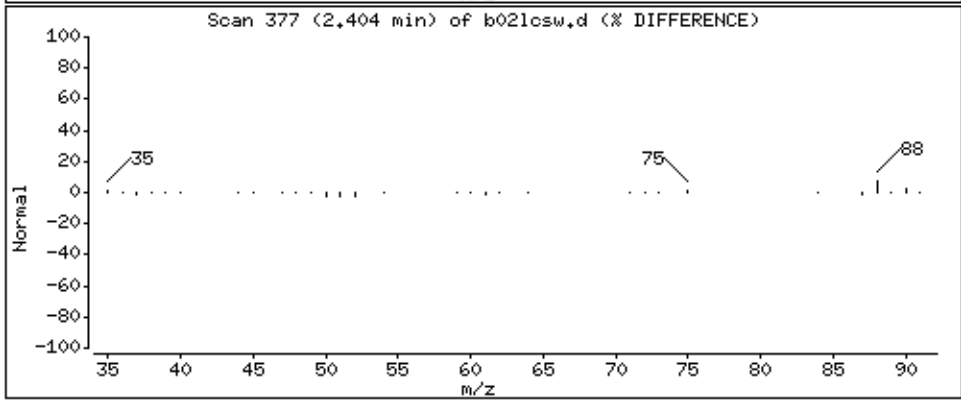
Concentration: 43.5 ppb

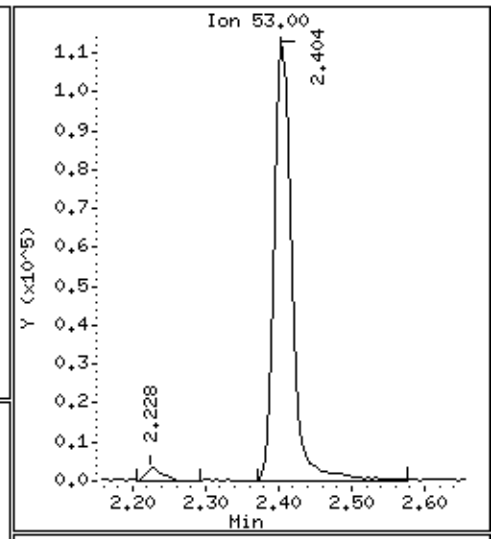
Review Code:

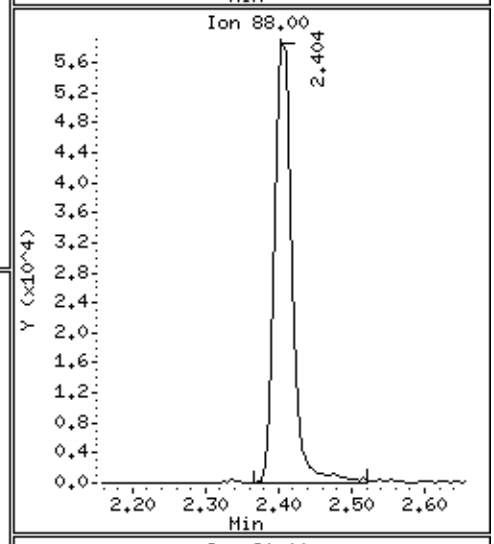


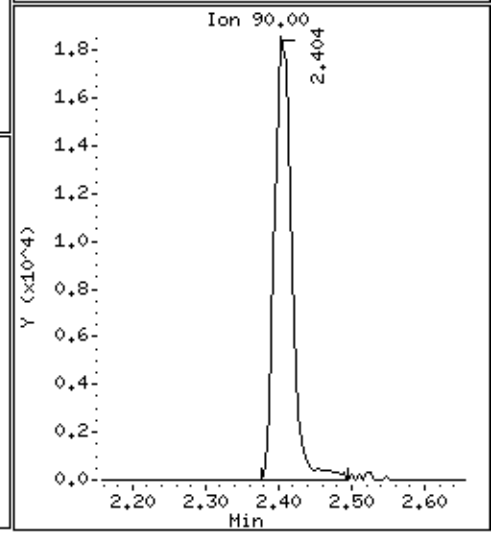












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

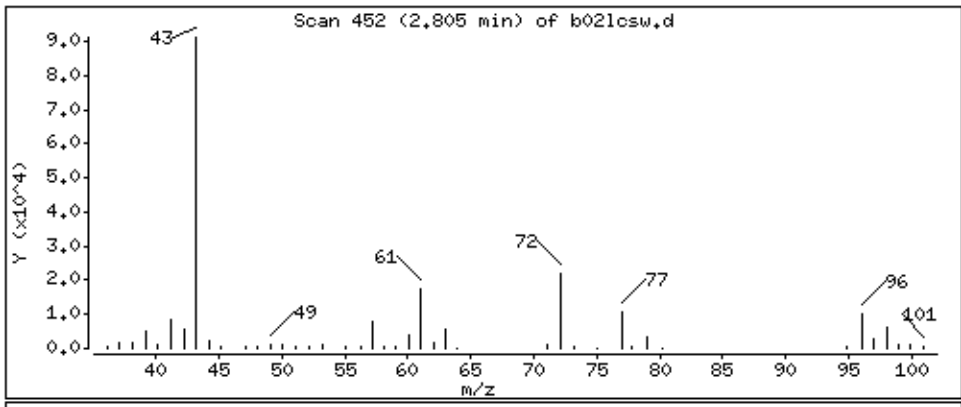
Column phase: DB-624

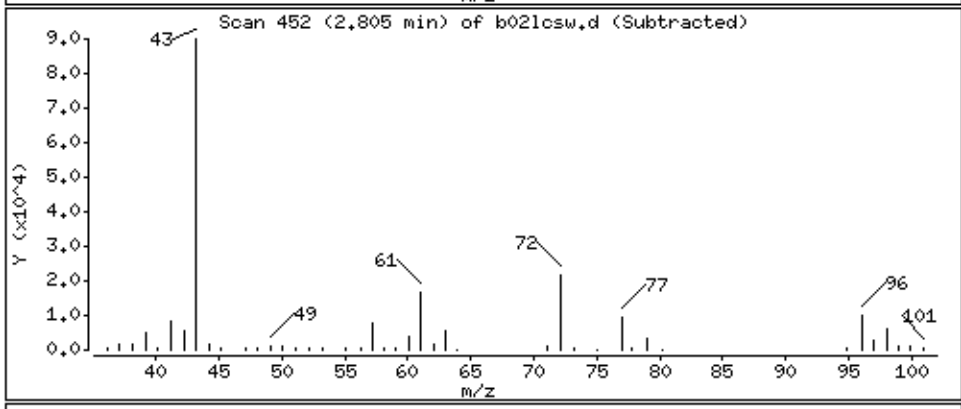
Column diameter: 0.18

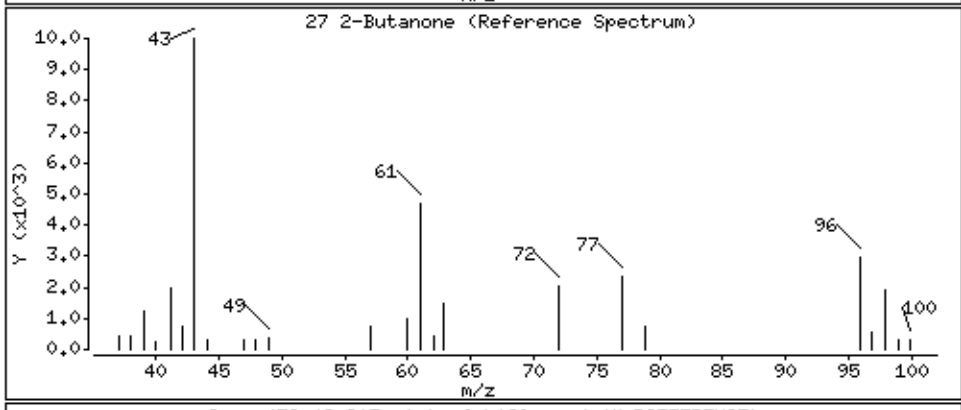
27 2-Butanone

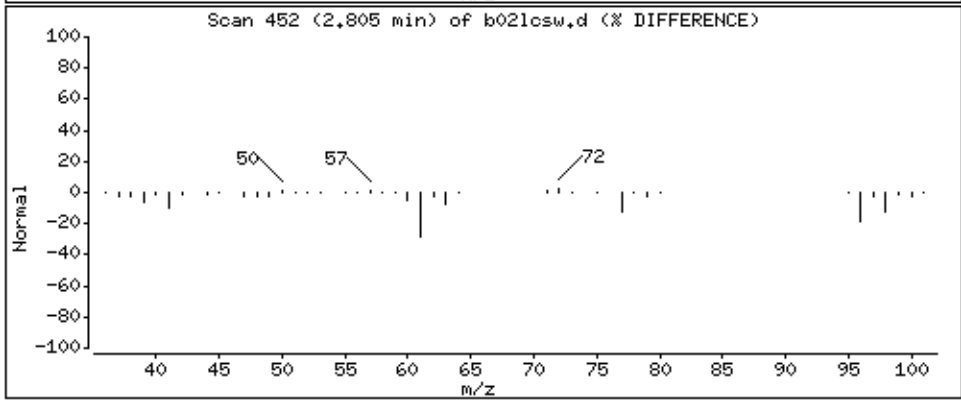
Concentration: 303 ppb

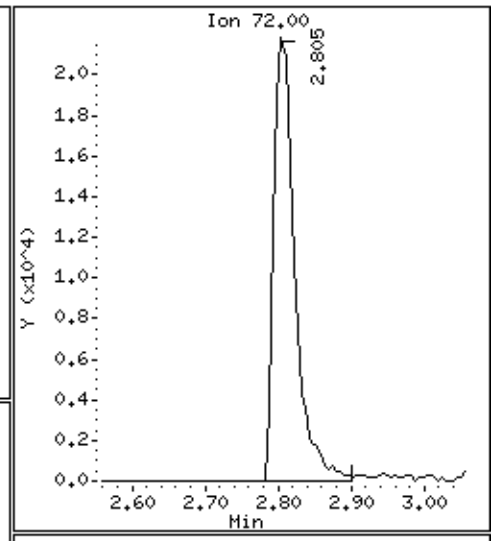
Review Code:

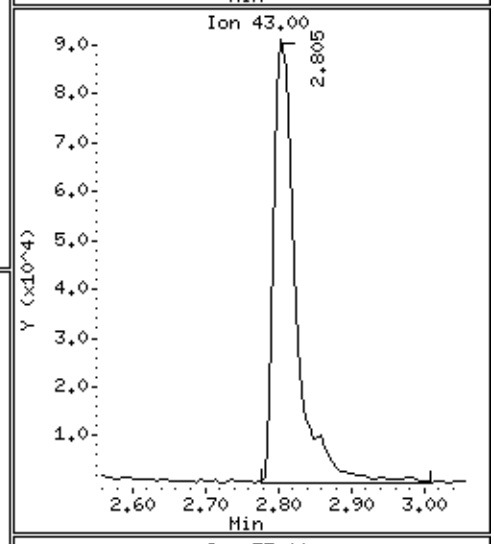


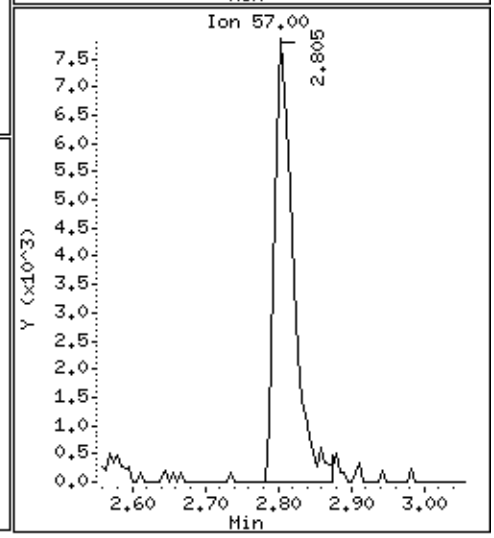












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

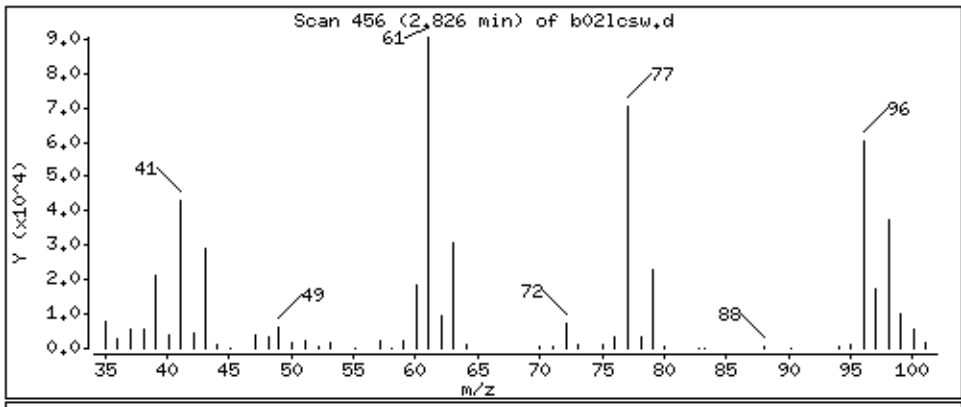
Column phase: DB-624

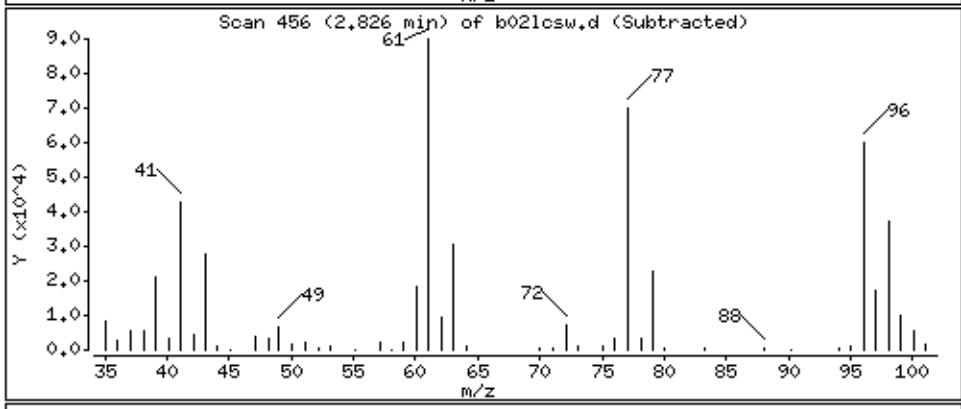
Column diameter: 0.18

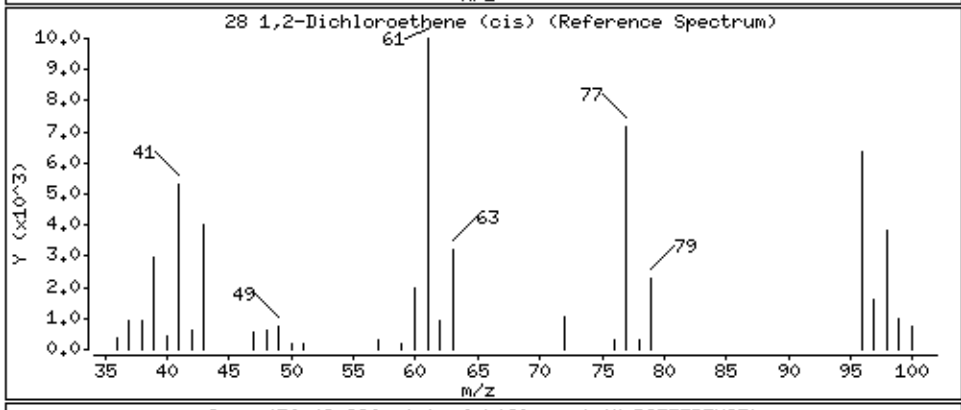
28 1,2-Dichloroethene (cis)

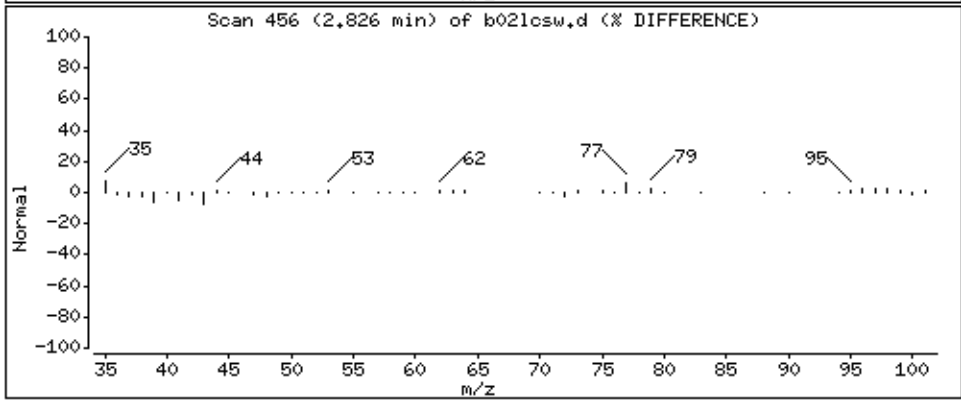
Concentration: 46.4 ppb

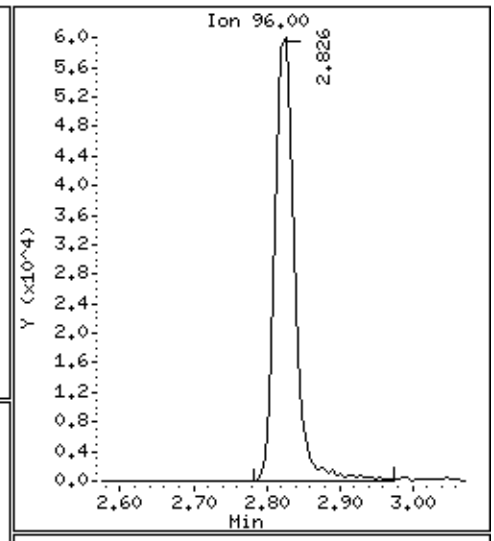
Review Code:

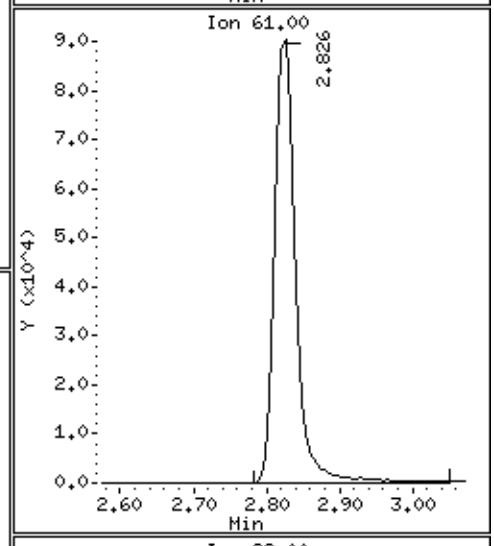


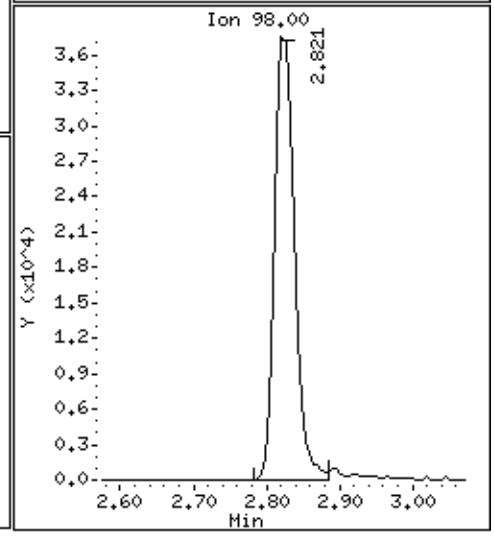












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

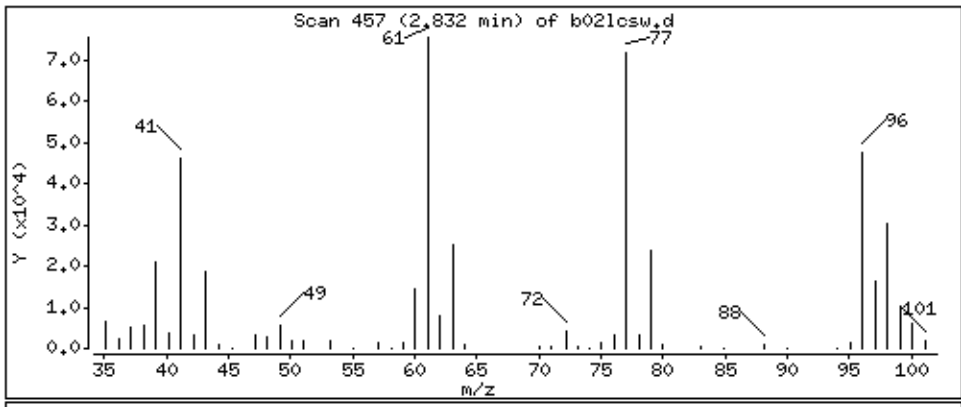
Column phase: DB-624

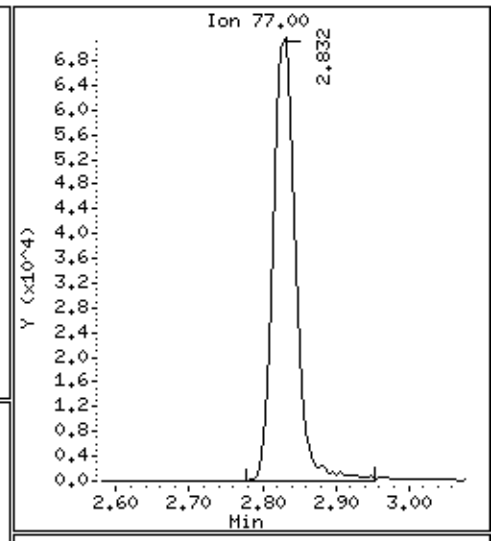
Column diameter: 0.18

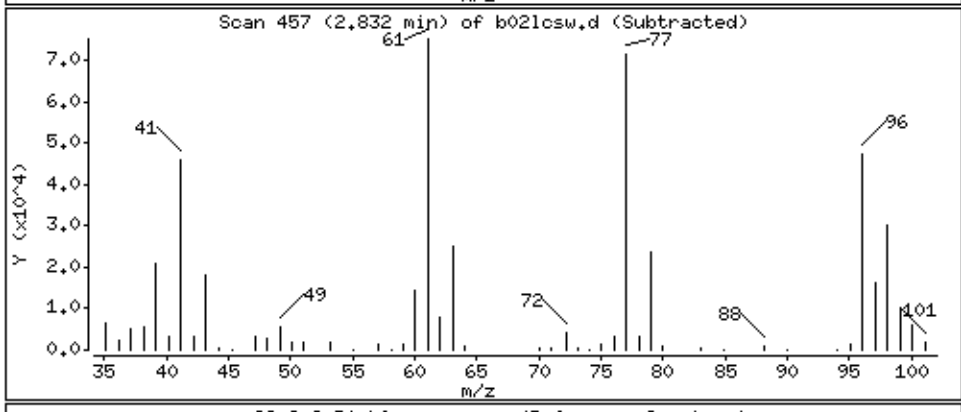
29 2,2-Dichloropropane

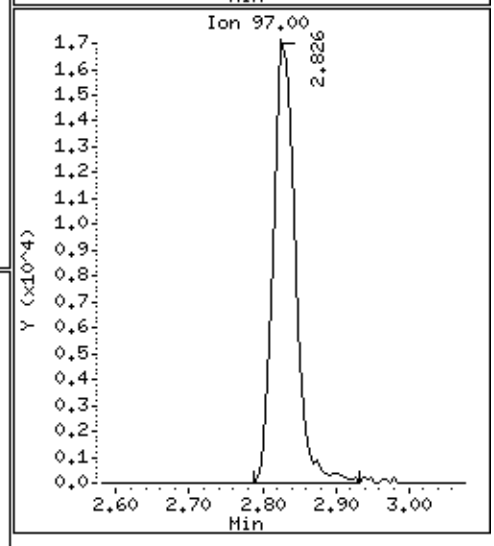
Concentration: 45.4 ppb

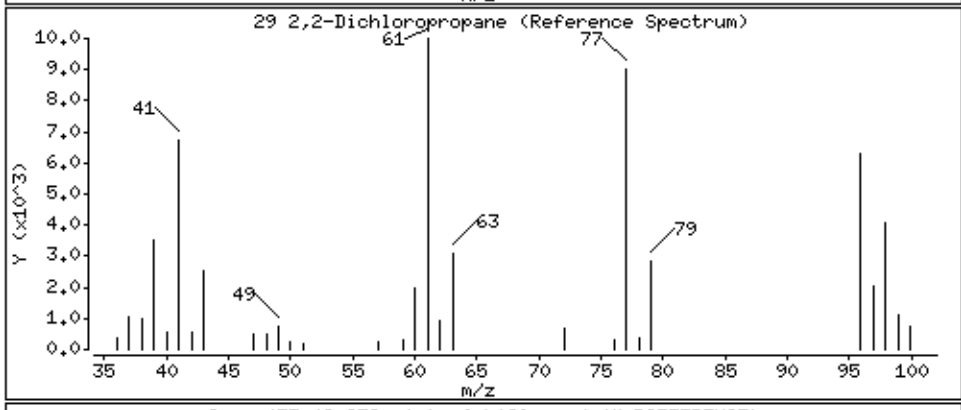
Review Code:

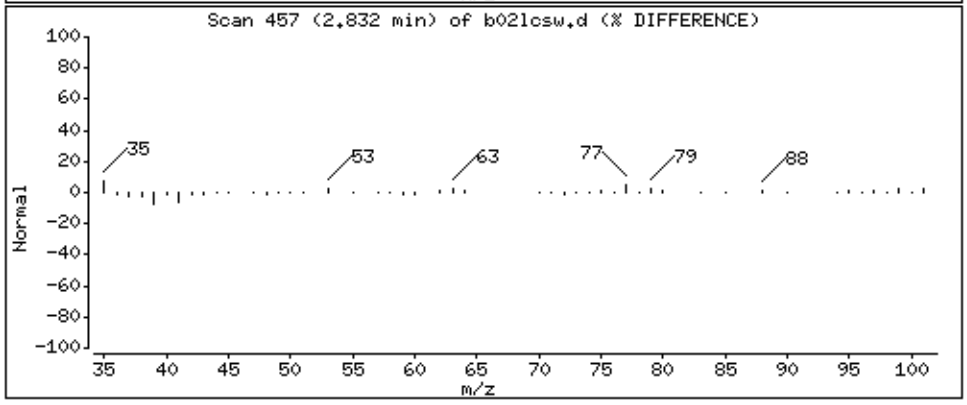












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

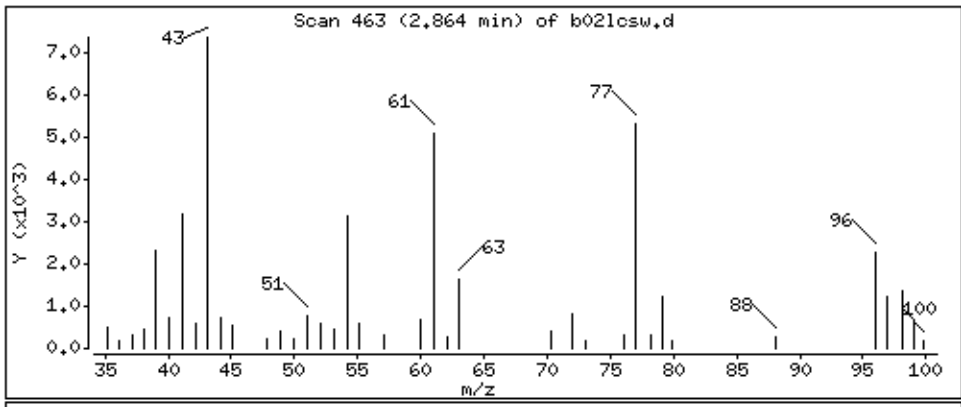
Column phase: DB-624

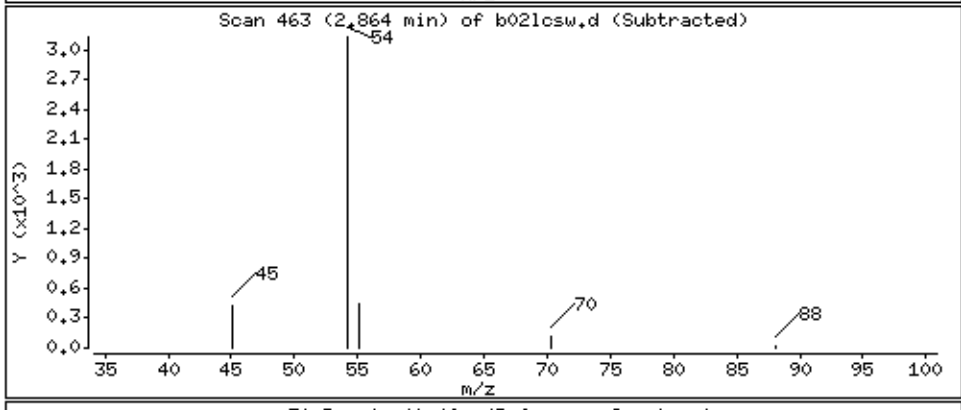
Column diameter: 0.18

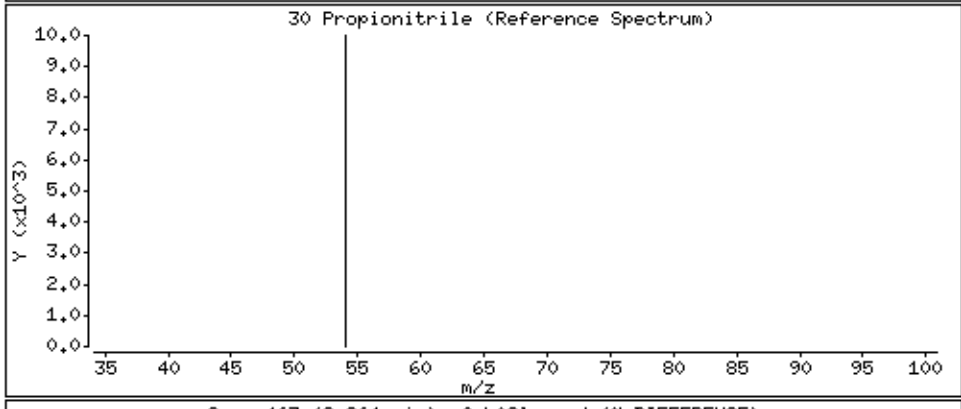
30 Propionitrile

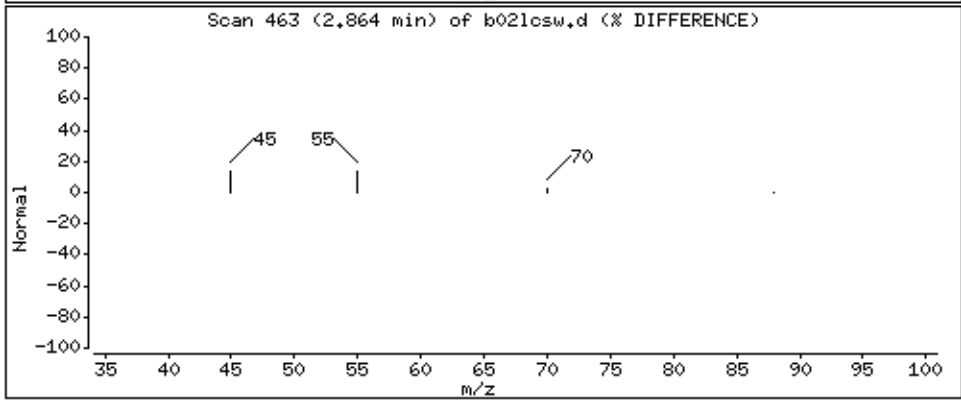
Concentration: 45.4 ppb

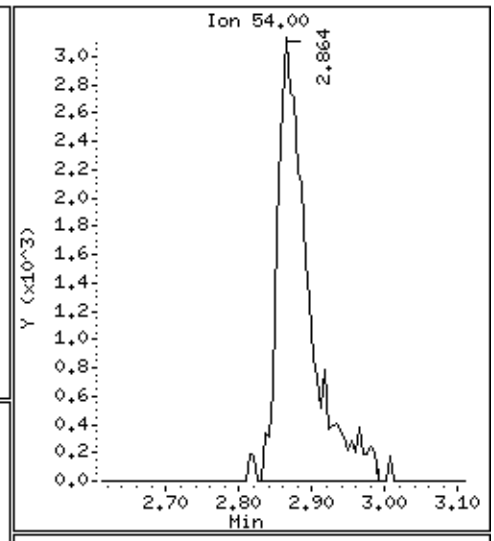
Review Code:

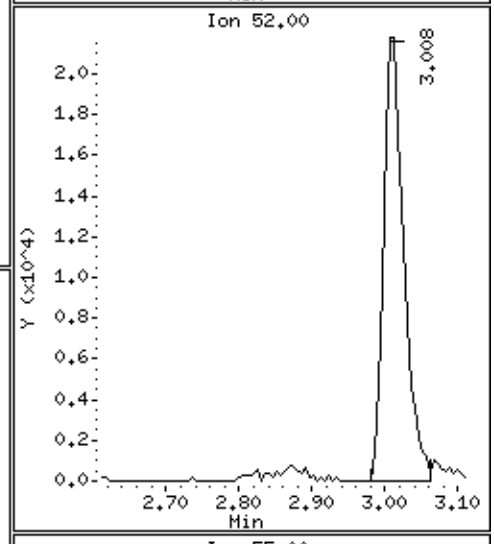


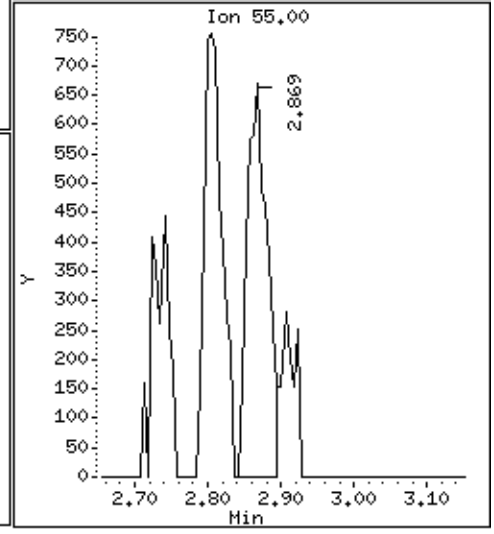












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

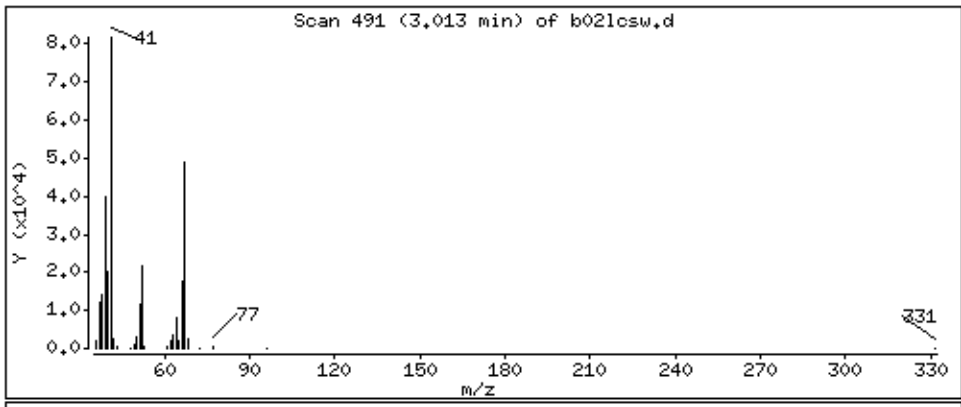
Column phase: DB-624

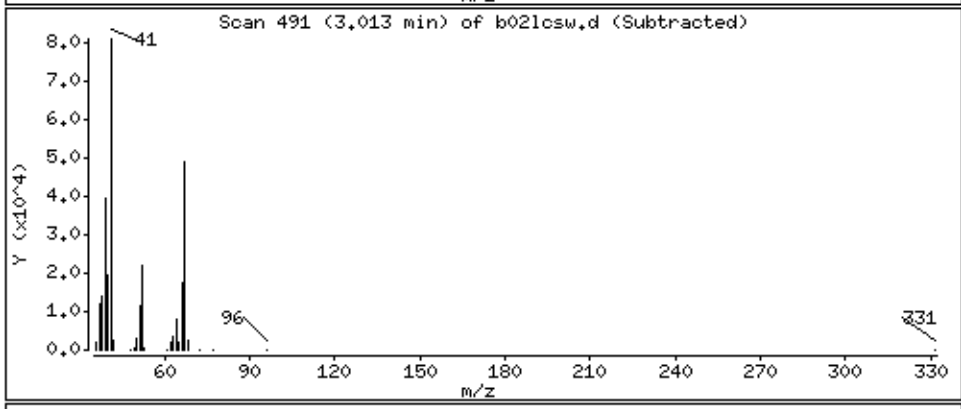
Column diameter: 0.18

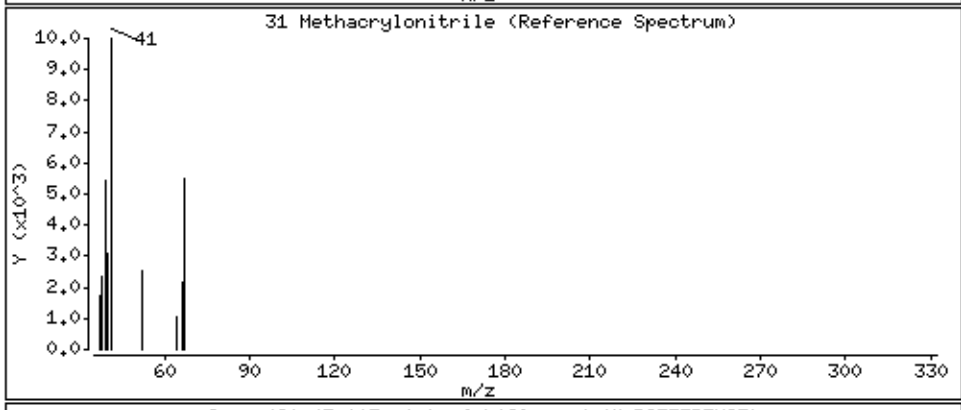
31 Methacrylonitrile

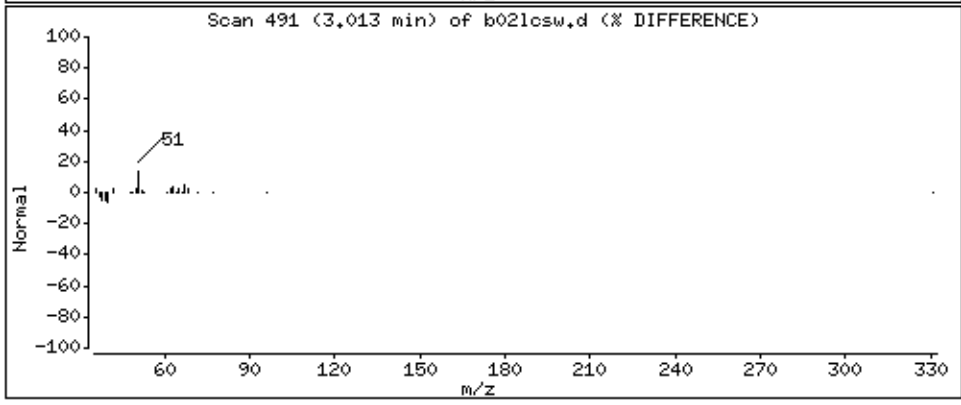
Concentration: 189 ppb

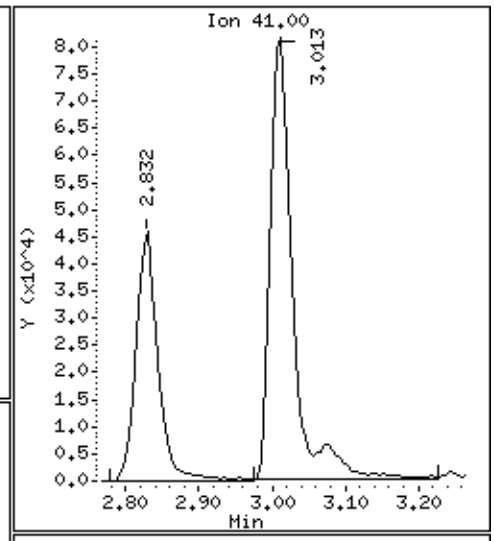
Review Code:

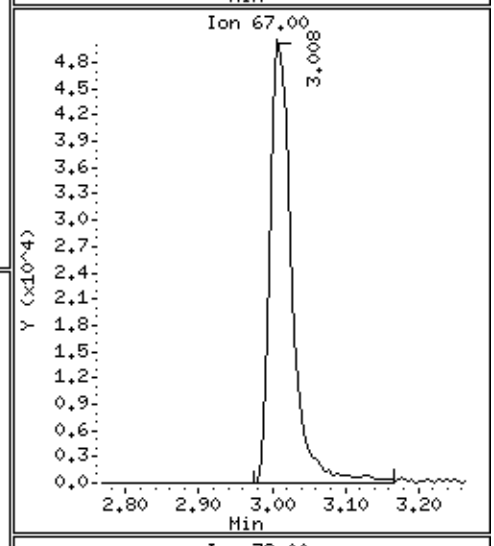


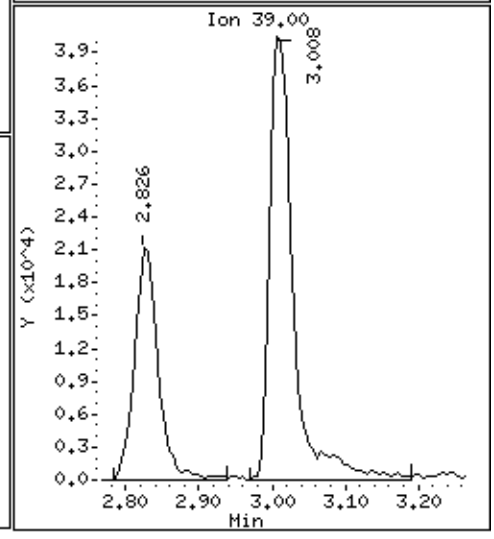












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

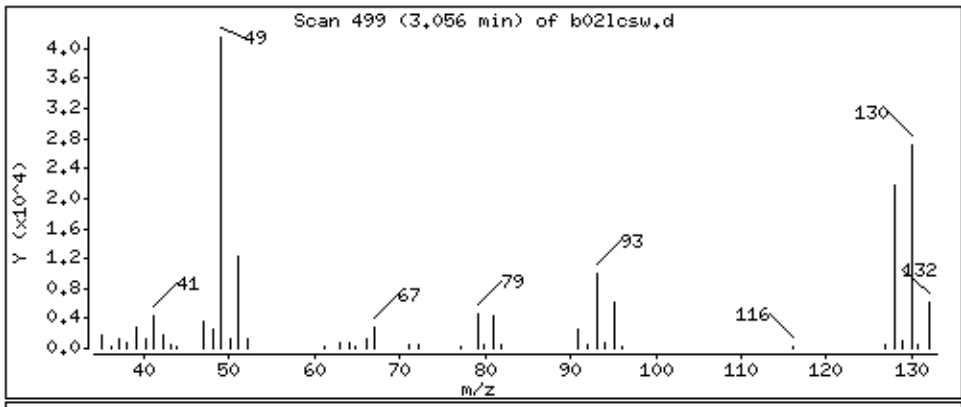
Column phase: DB-624

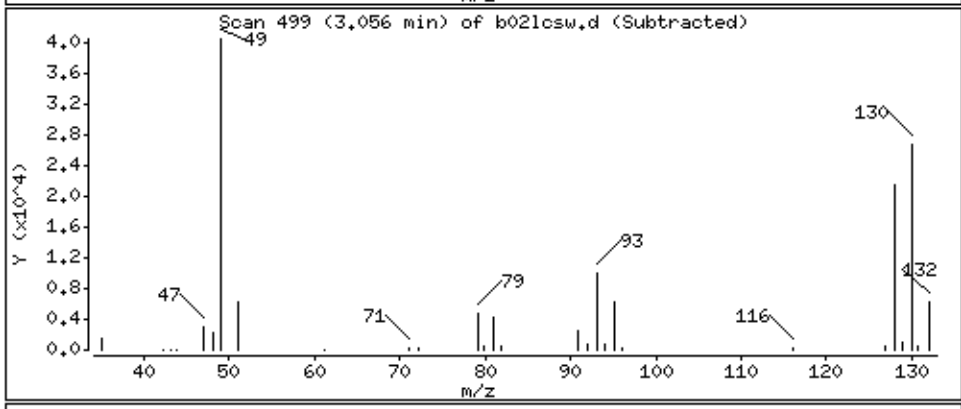
Column diameter: 0.18

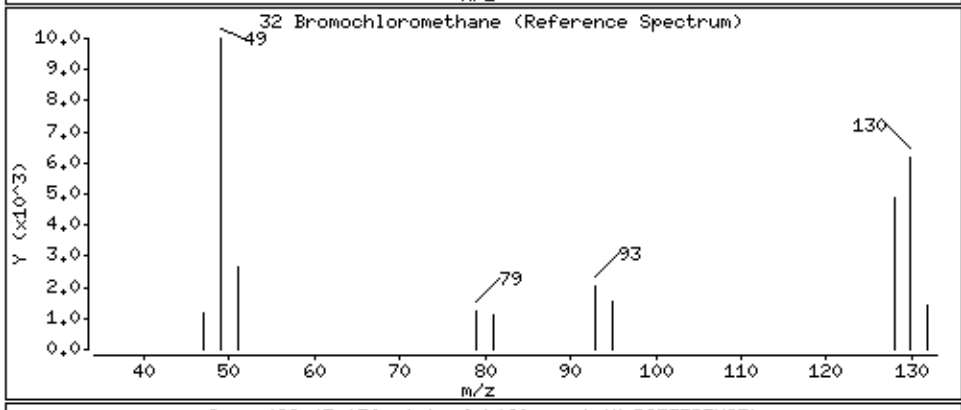
32 Bromochloromethane

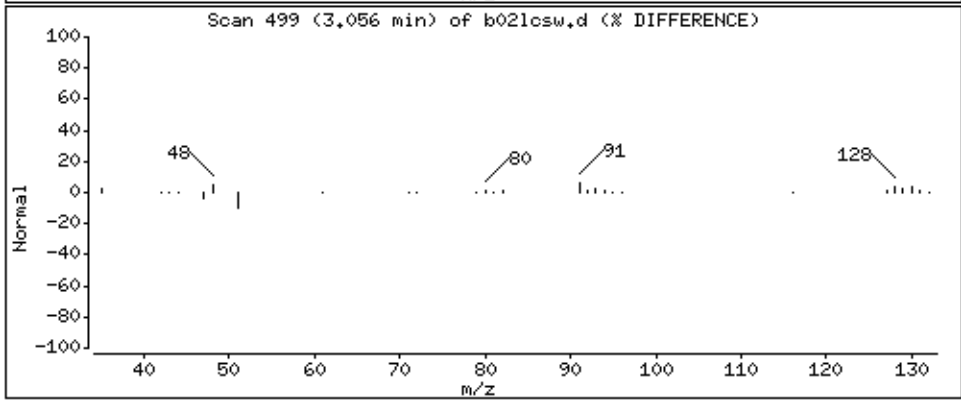
Concentration: 41.1 ppb

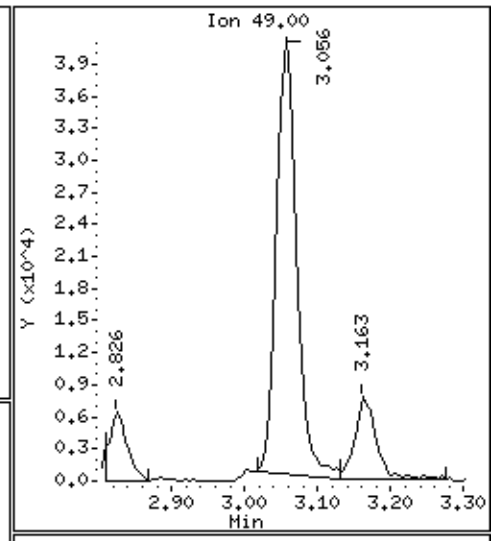
Review Code:

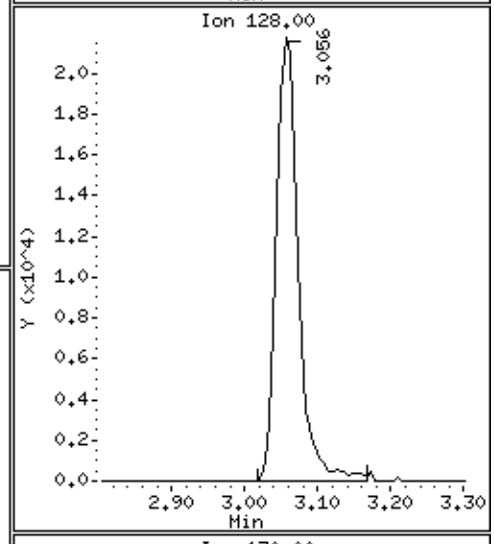


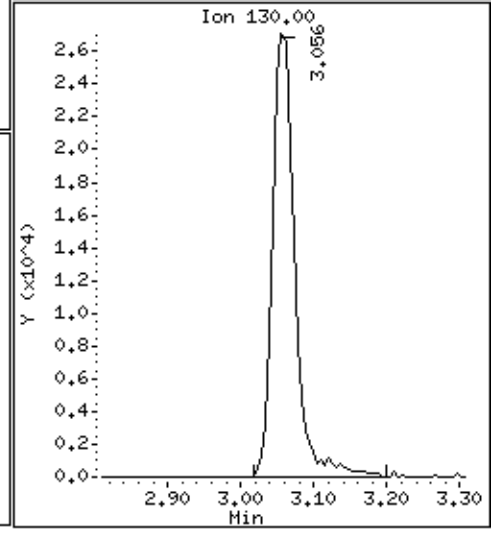












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

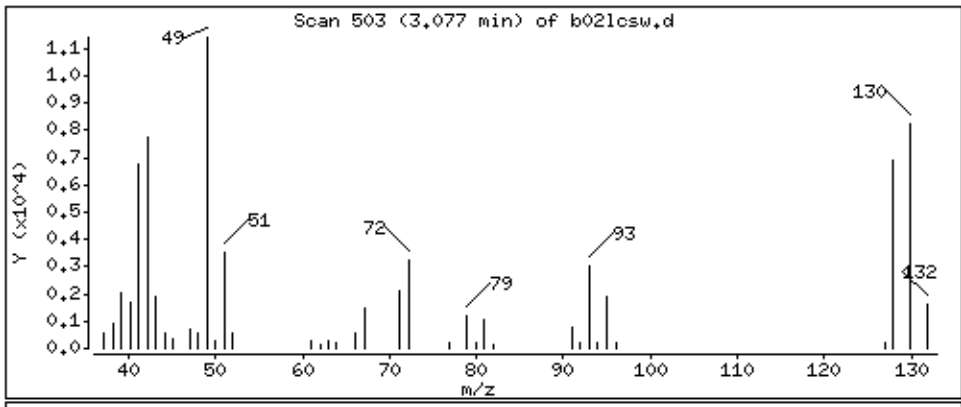
Column phase: DB-624

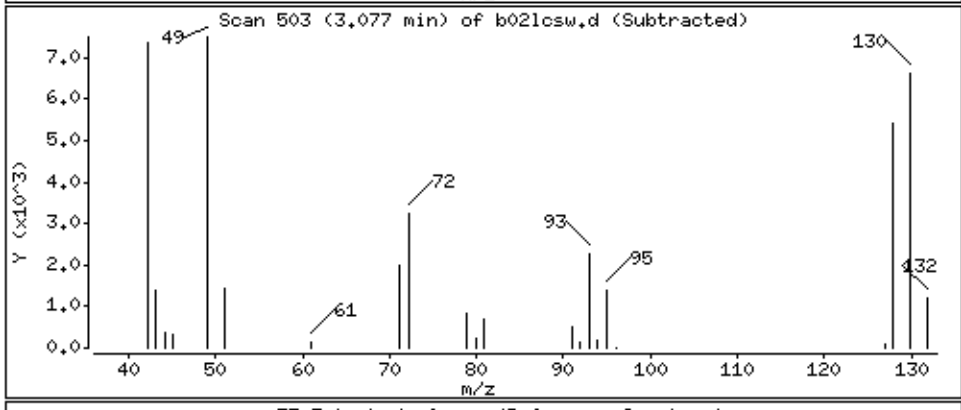
Column diameter: 0.18

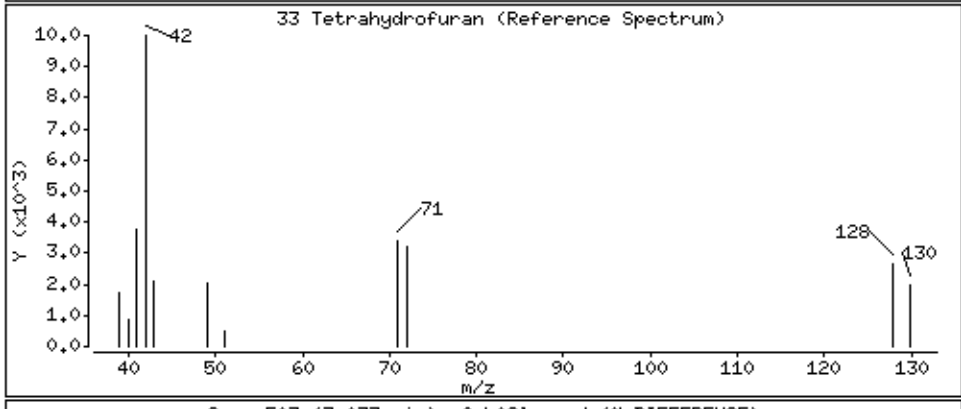
33 Tetrahydrofuran

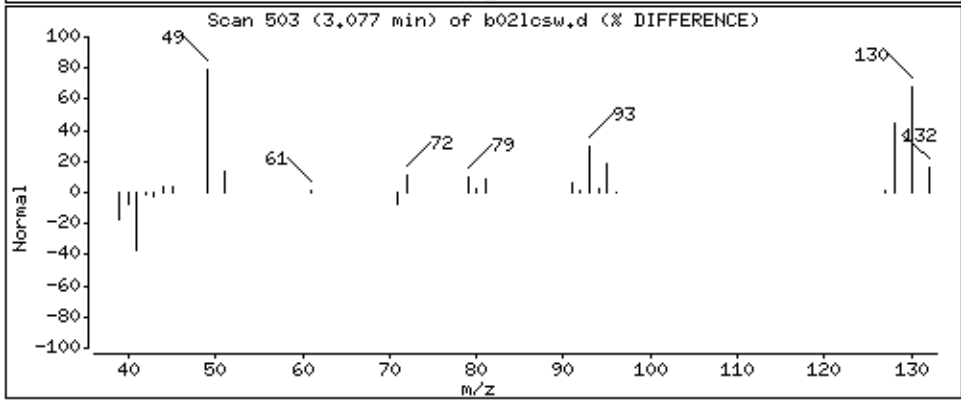
Concentration: 40.0 ppb

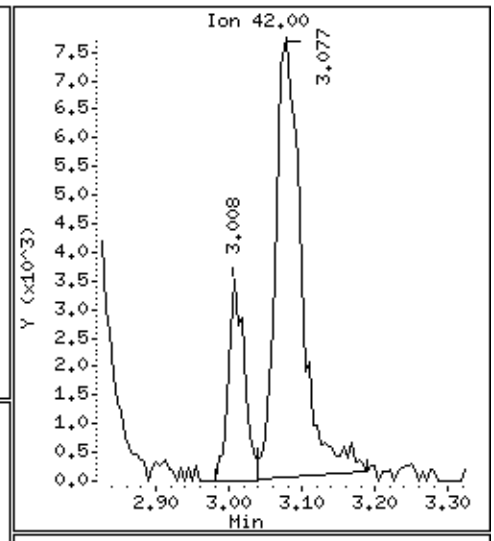
Review Code:

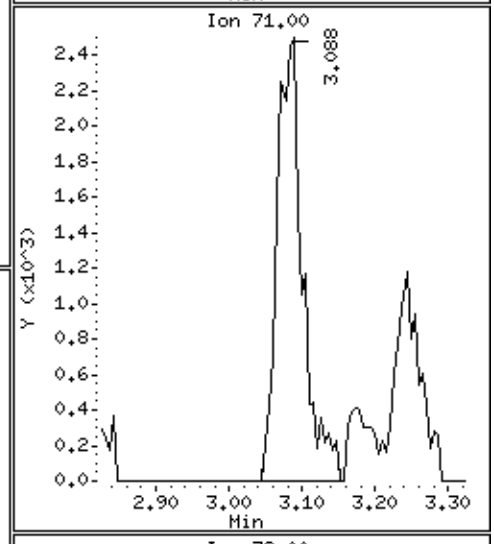


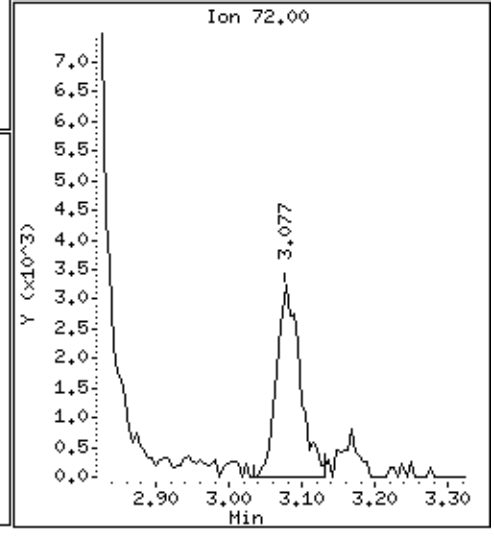












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

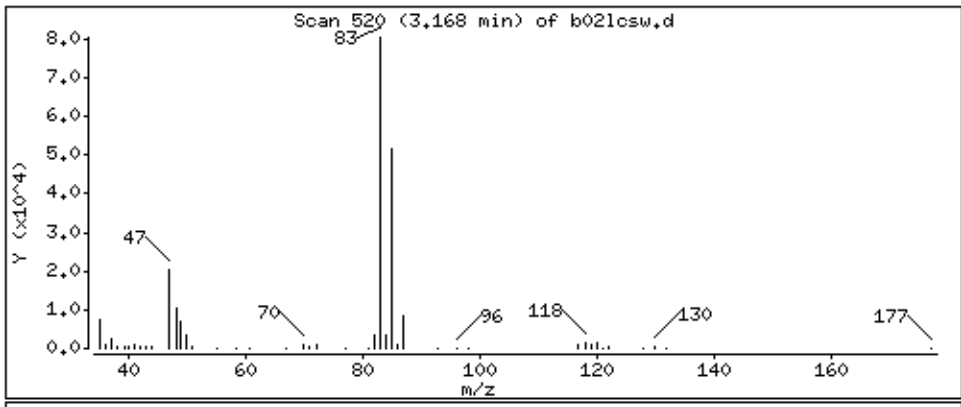
Column phase: DB-624

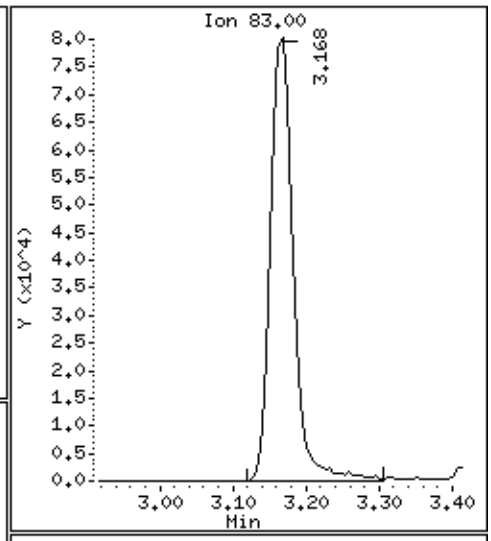
Column diameter: 0.18

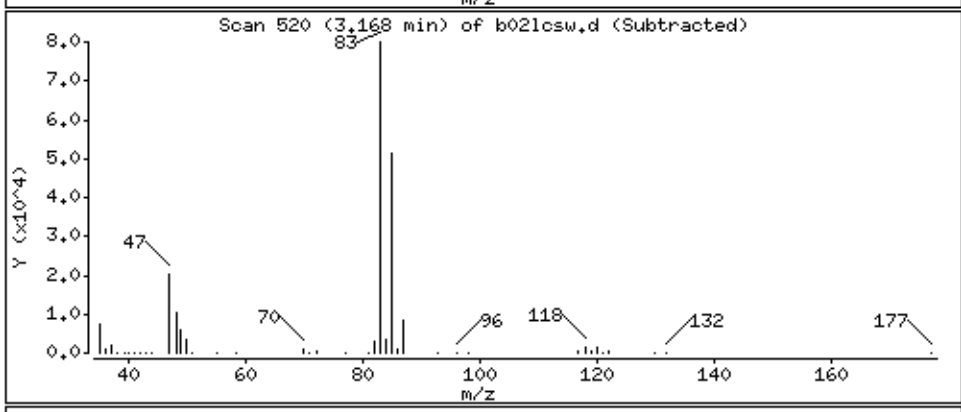
34 Chloroform

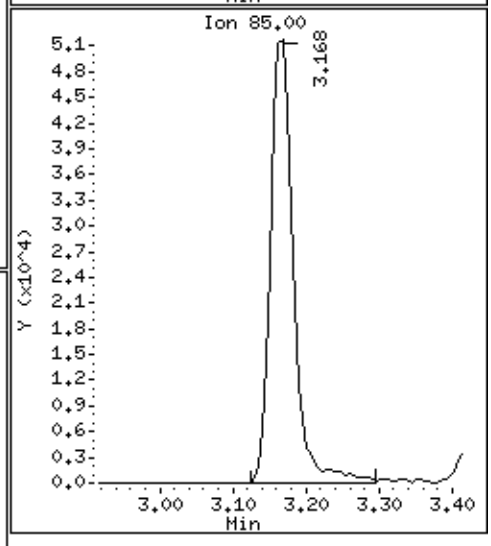
Concentration: 42.8 ppb

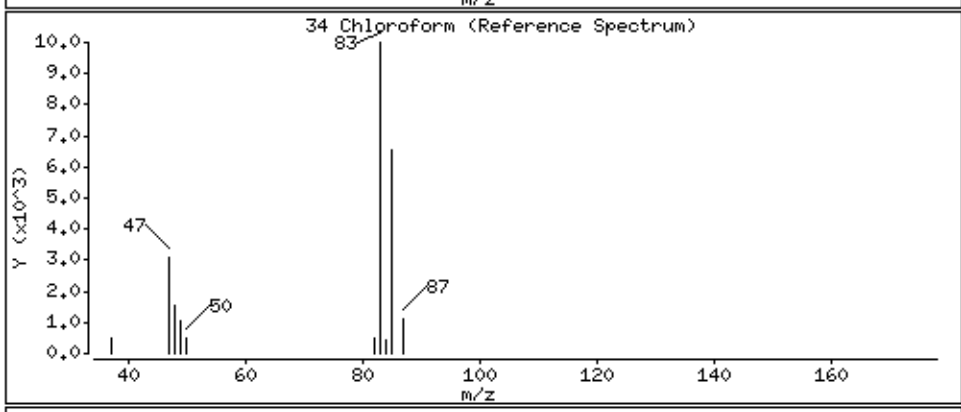
Review Code:

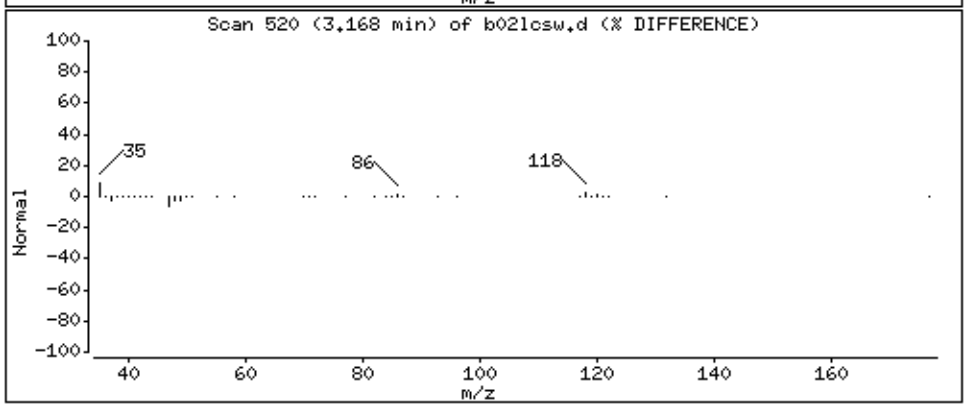












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

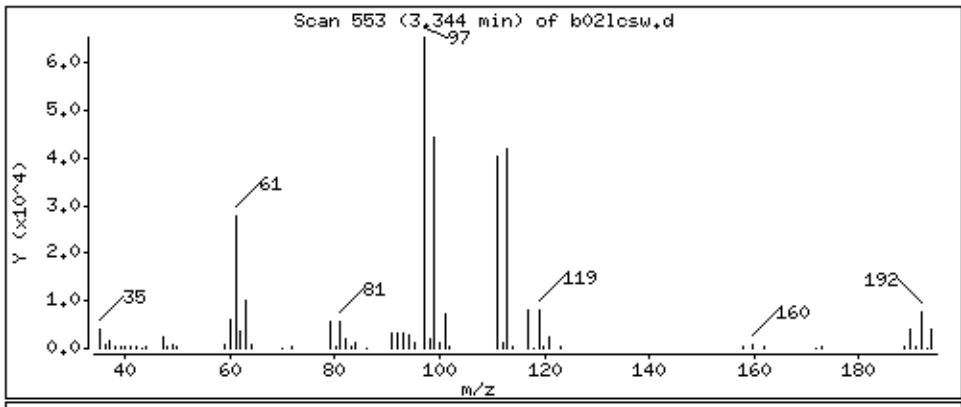
Column phase: DB-624

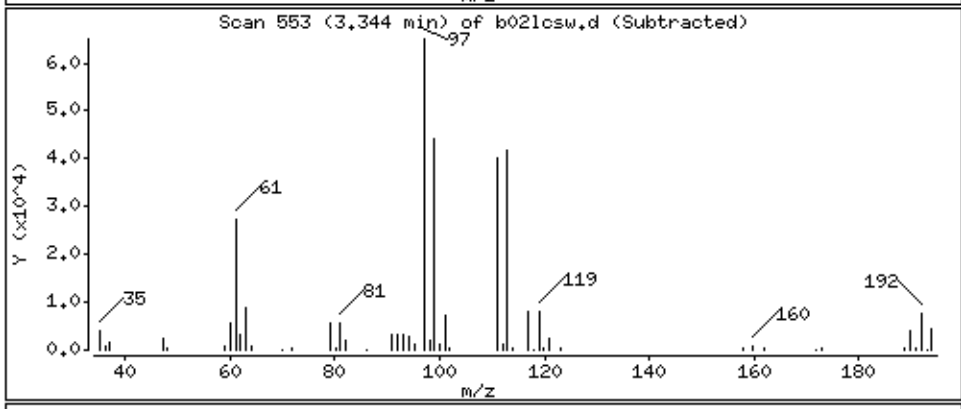
Column diameter: 0.18

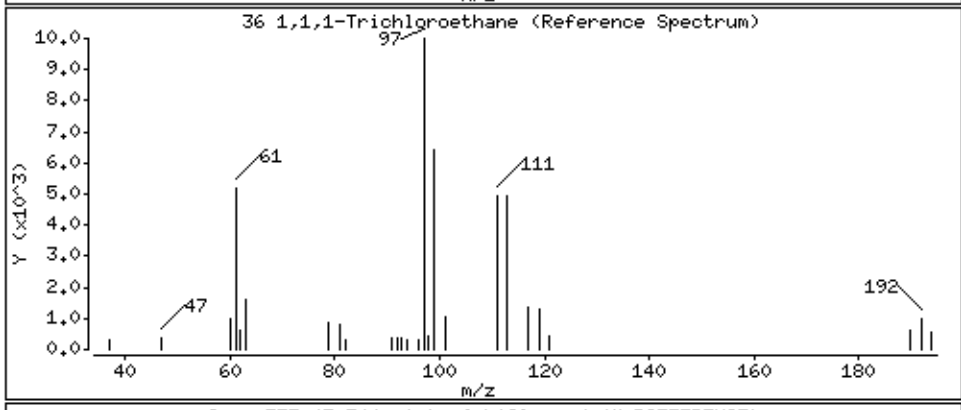
36 1,1,1-Trichloroethane

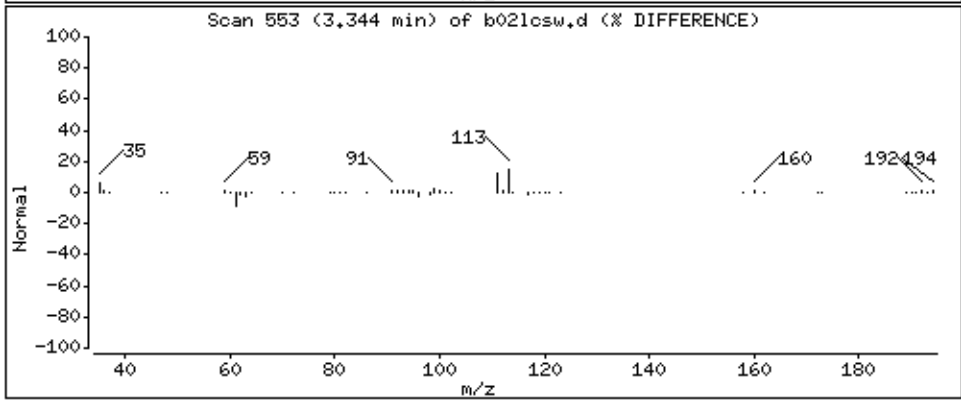
Concentration: 43.8 ppb

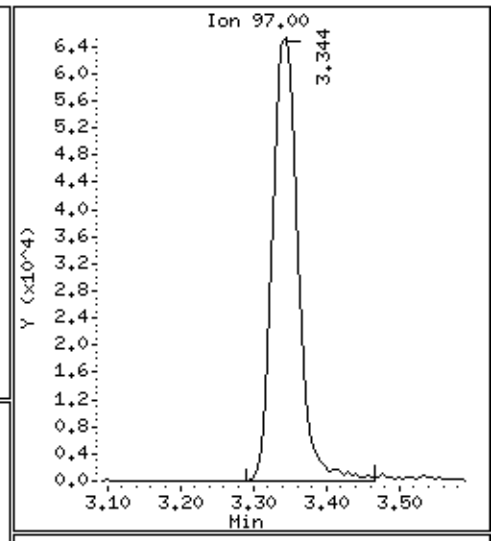
Review Code:

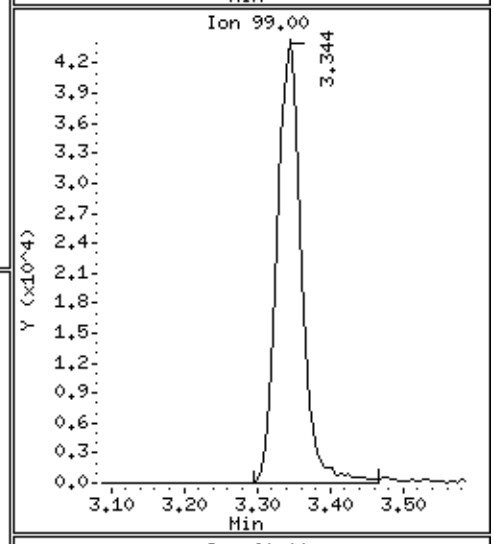


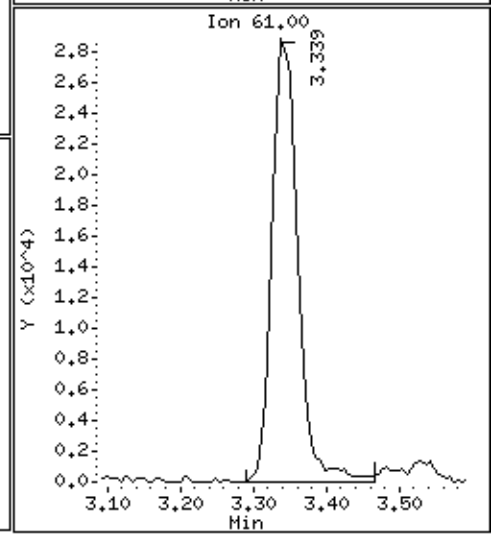












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

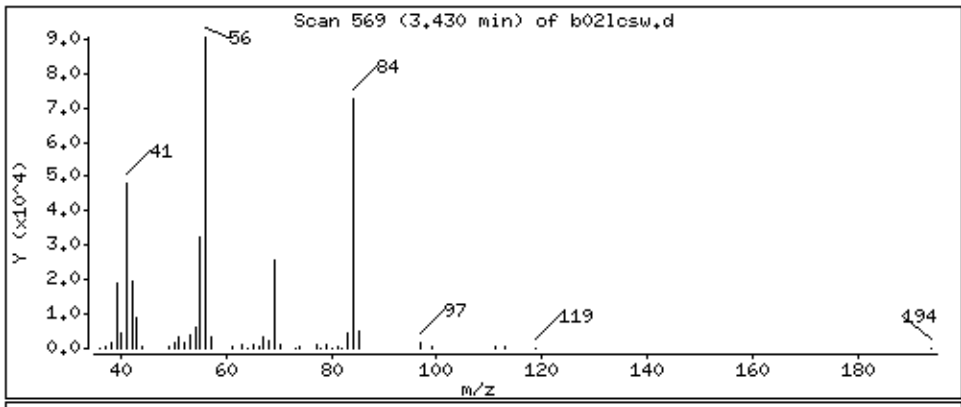
Column phase: DB-624

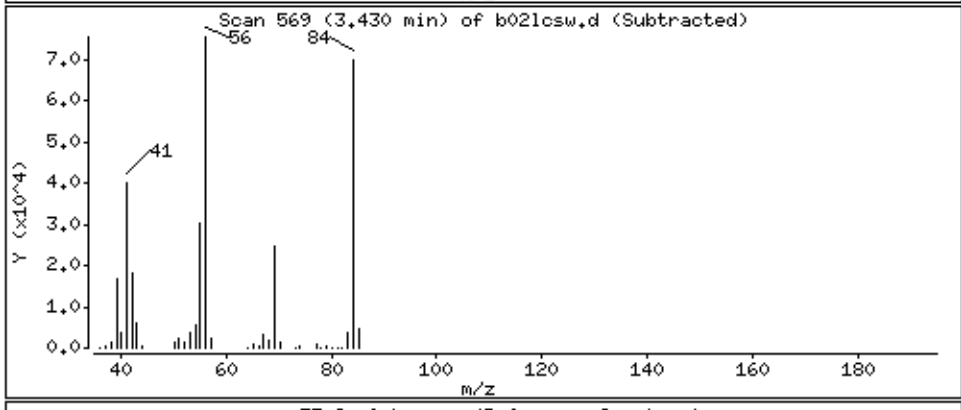
Column diameter: 0.18

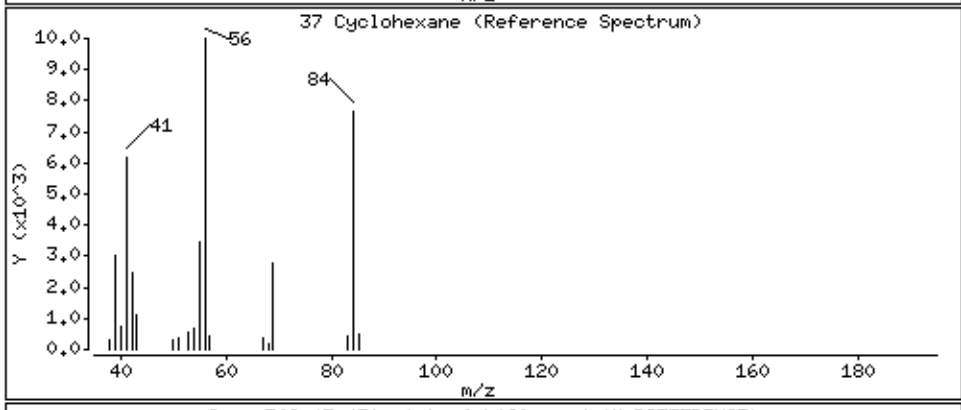
37 Cyclohexane

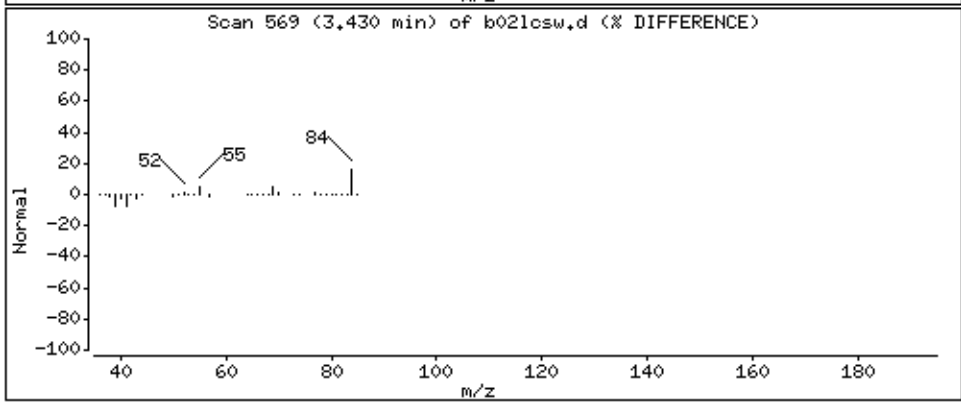
Concentration: 48.2 ppb

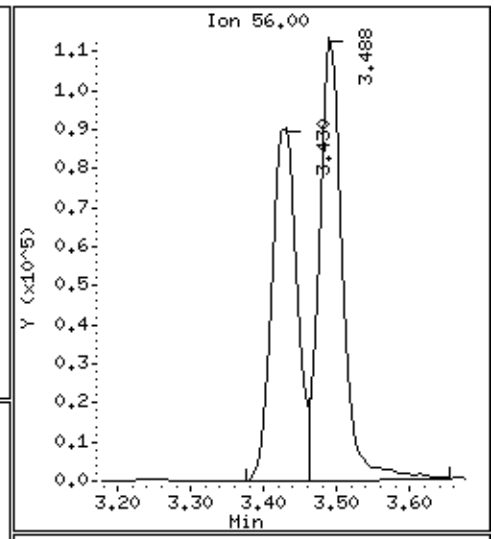
Review Code:

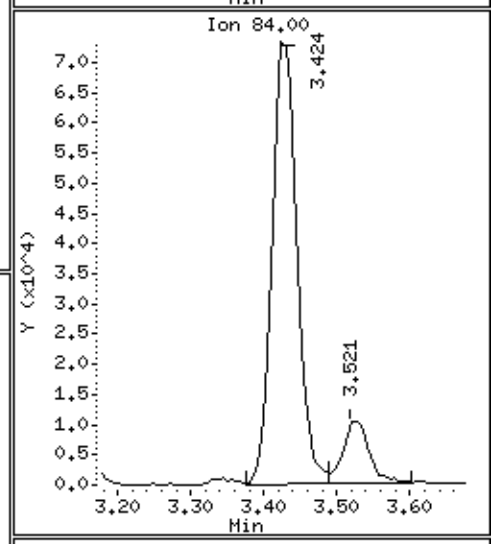


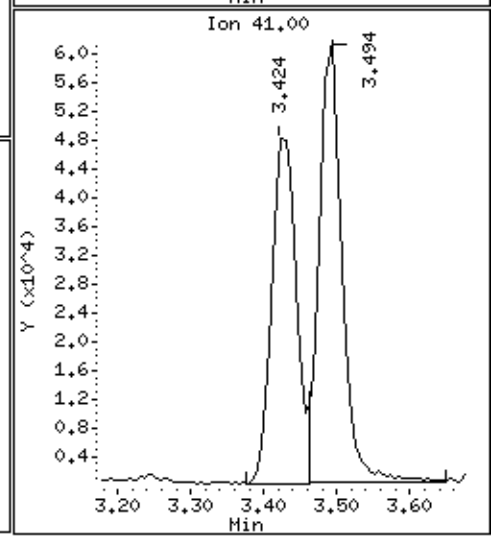












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

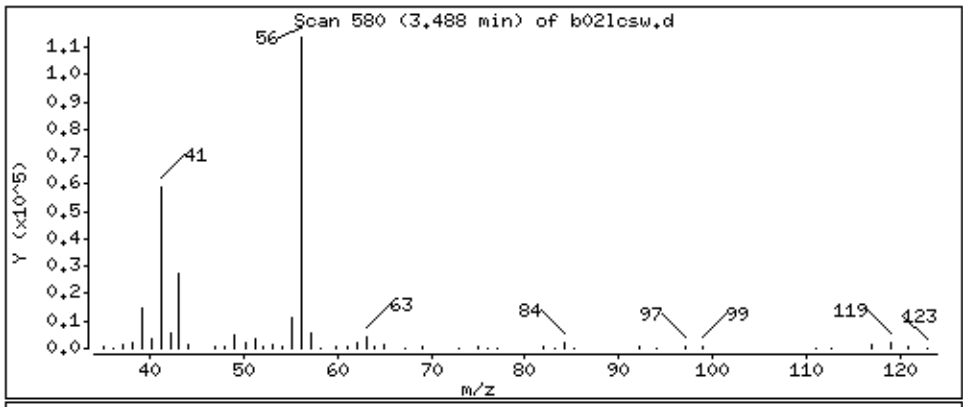
Column phase: DB-624

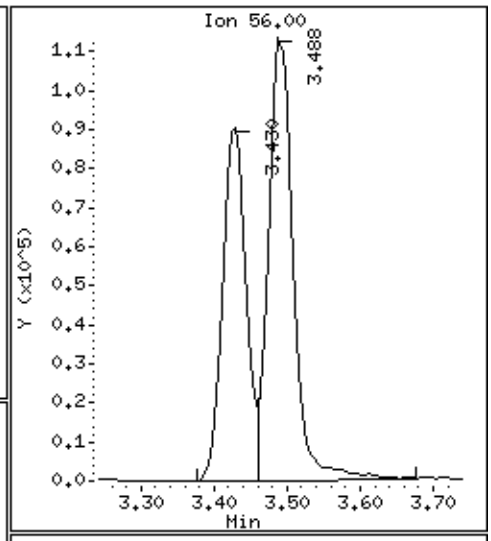
Column diameter: 0.18

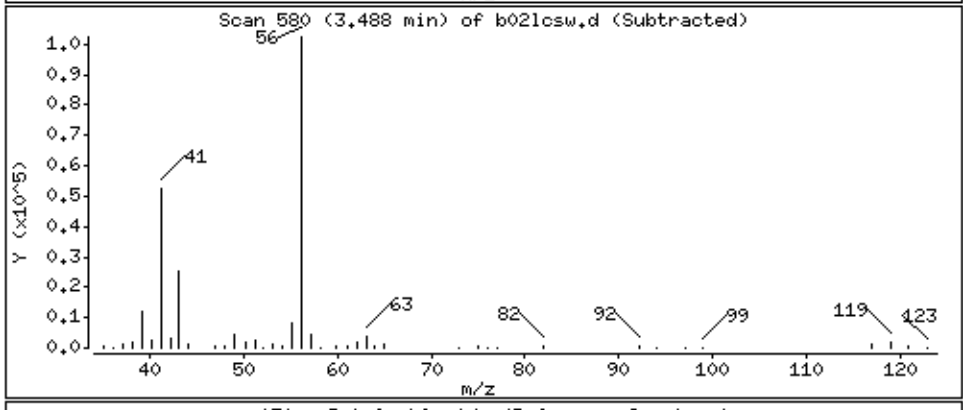
151 n-Butyl chloride

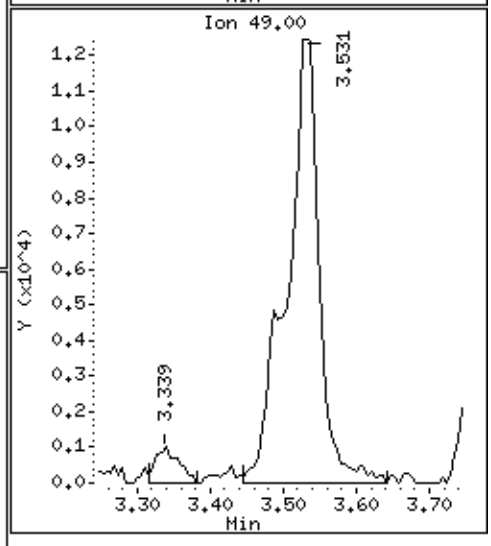
Concentration: 47.6 ppb

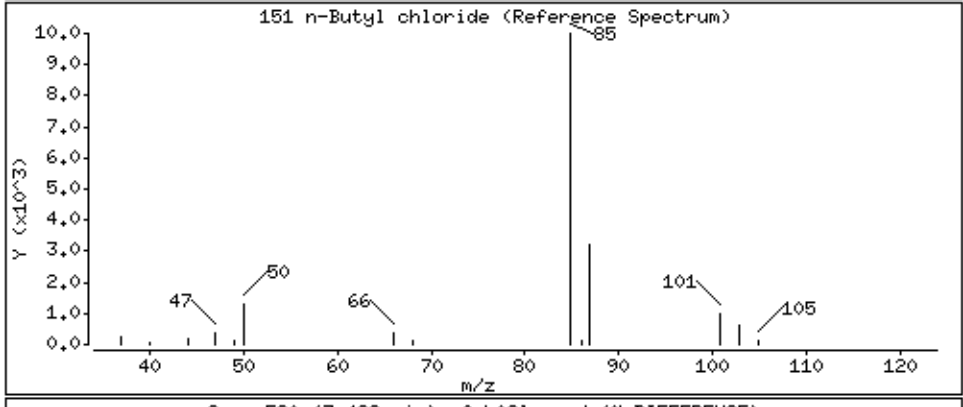
Review Code:

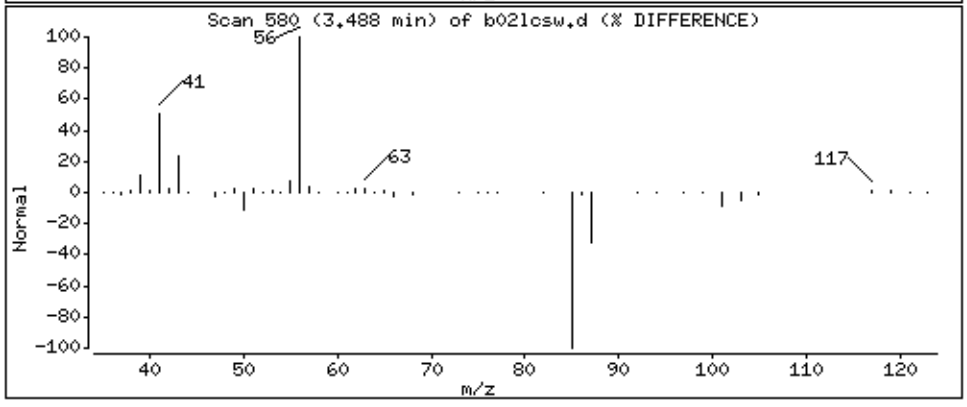












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

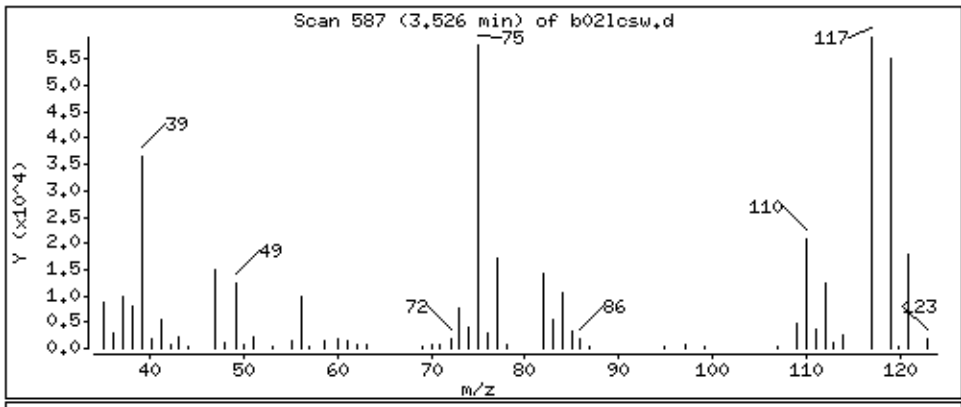
Column phase: DB-624

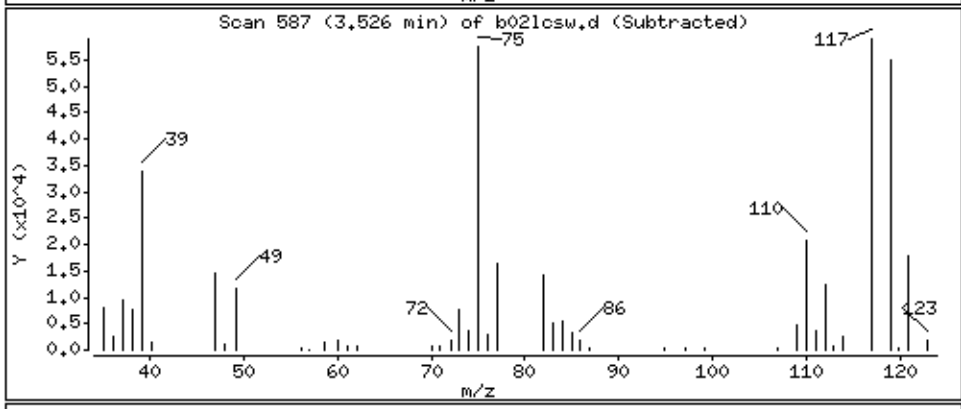
Column diameter: 0.18

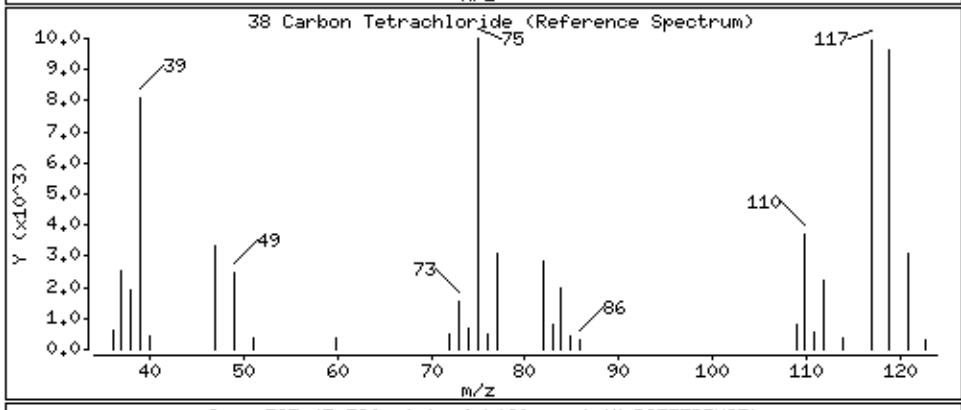
38 Carbon Tetrachloride

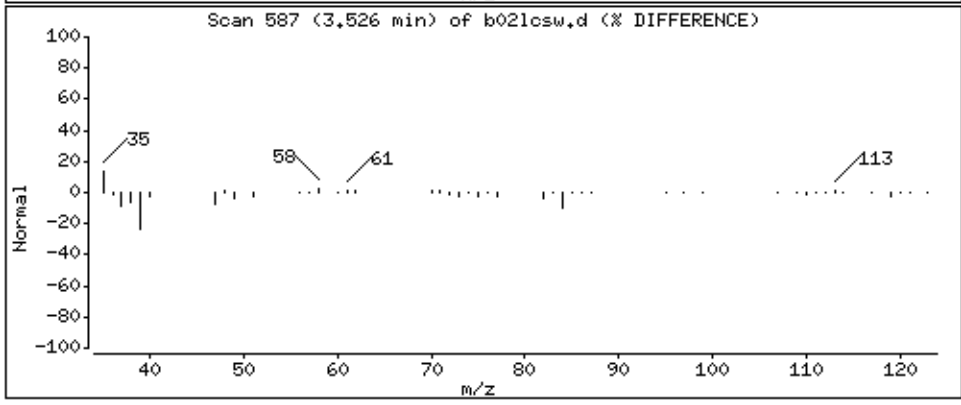
Concentration: 44.4 ppb

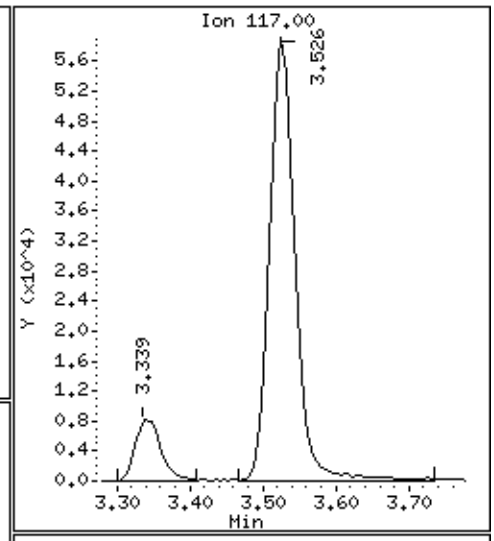
Review Code:

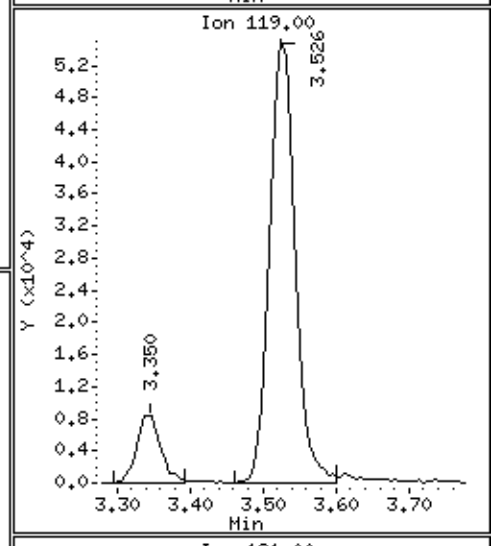


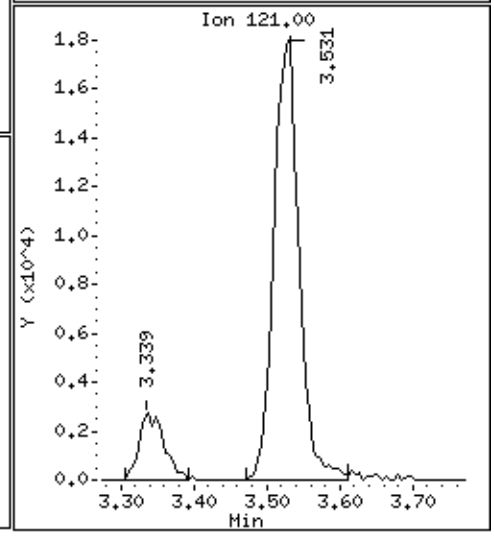












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Page 43

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

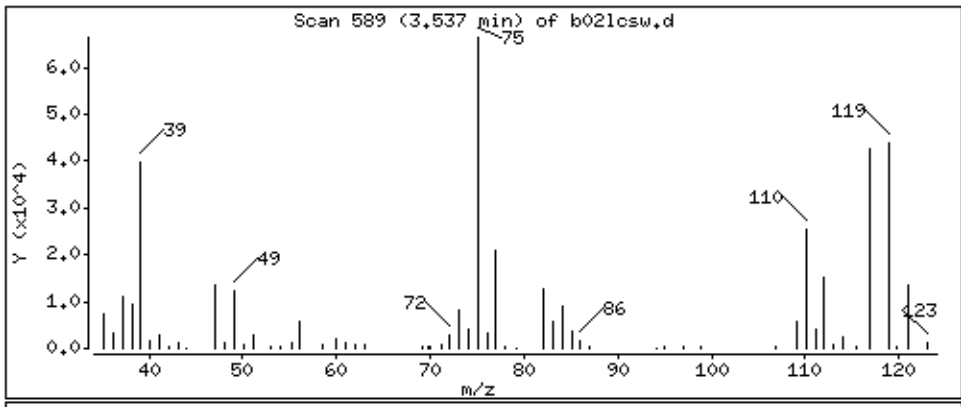
Column phase: DB-624

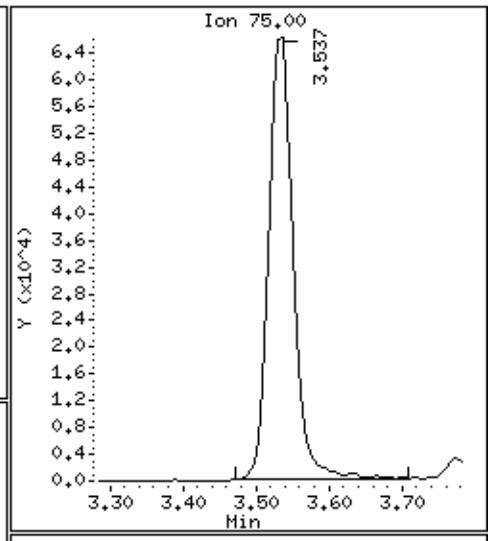
Column diameter: 0.18

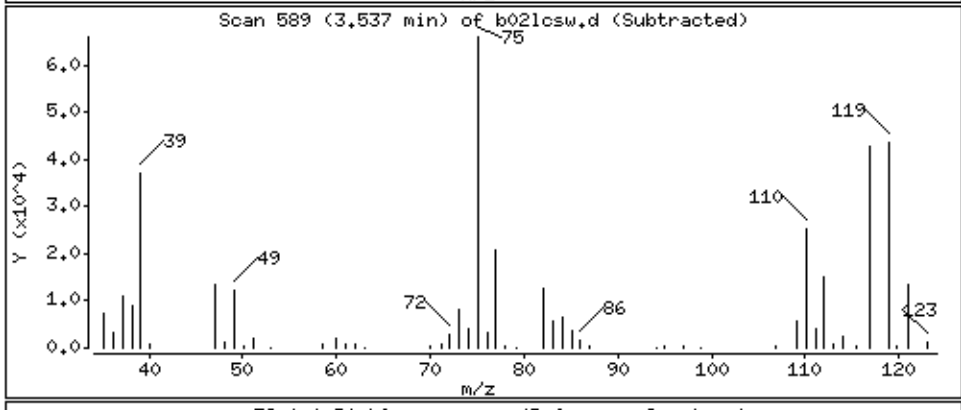
39 1,1-Dichloropropene

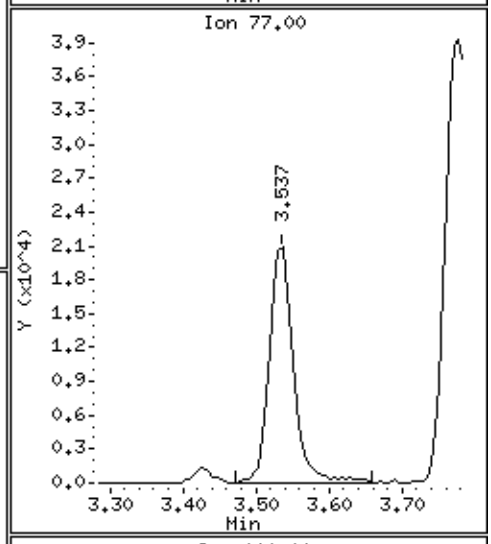
Concentration: 45.7 ppb

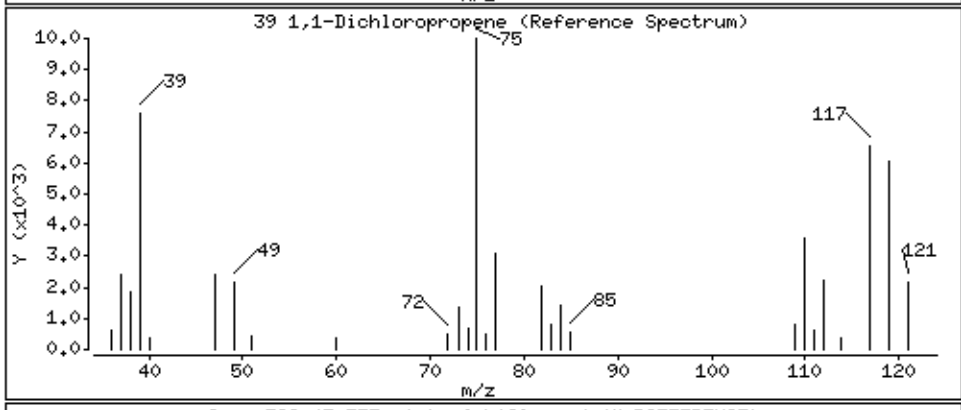
Review Code:

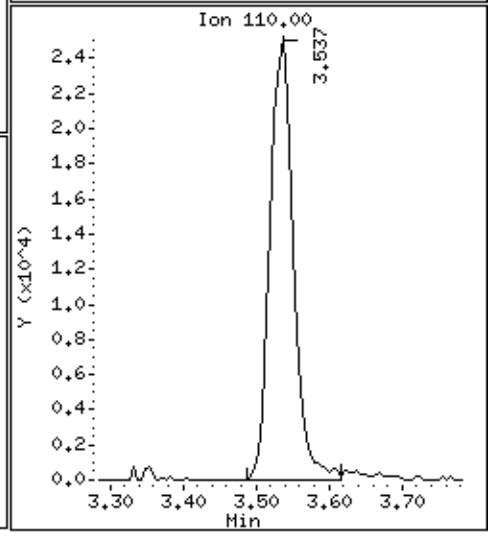


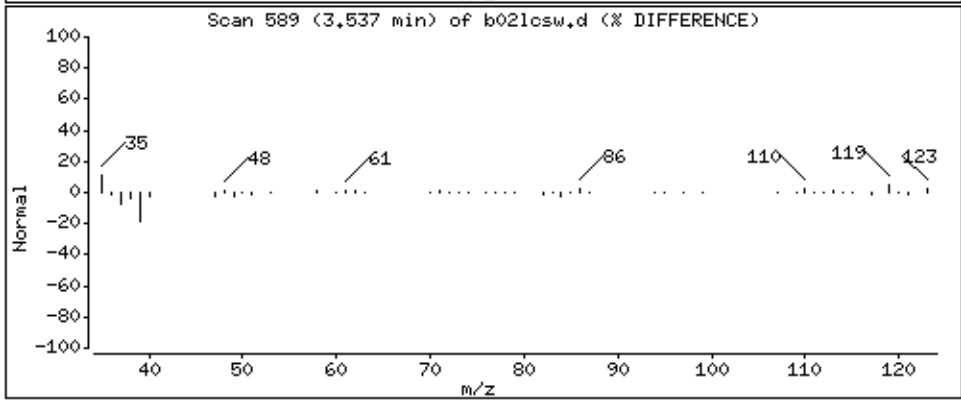












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

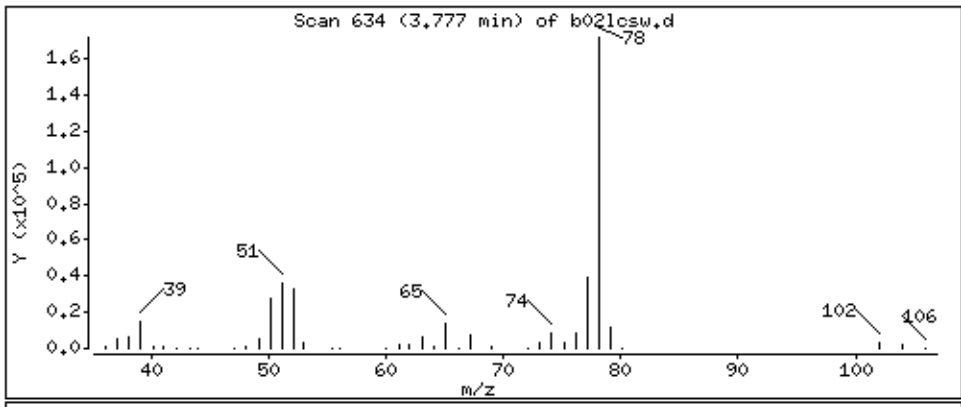
Column phase: DB-624

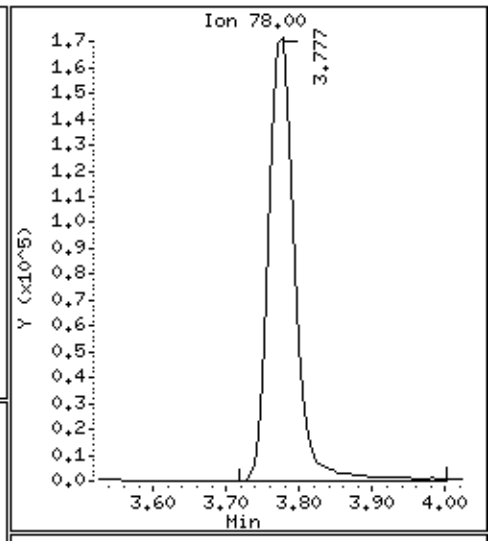
Column diameter: 0.18

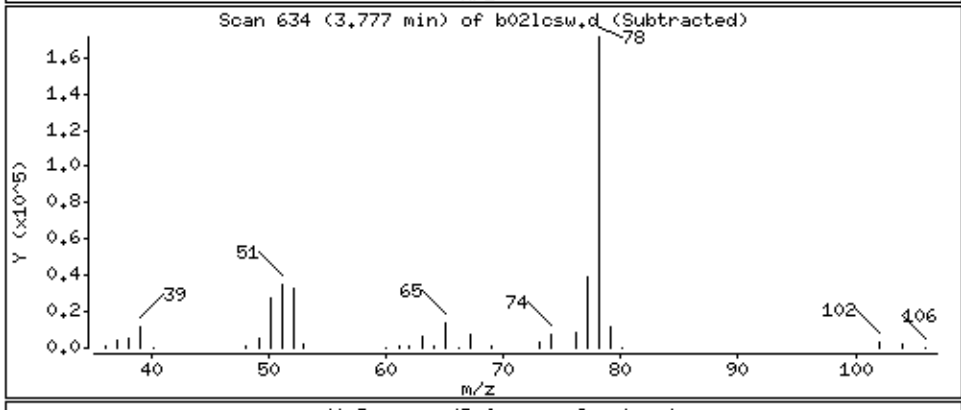
40 Benzene

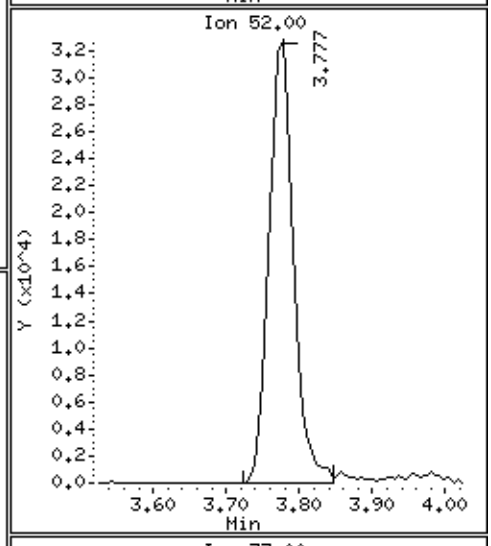
Concentration: 46.2 ppb

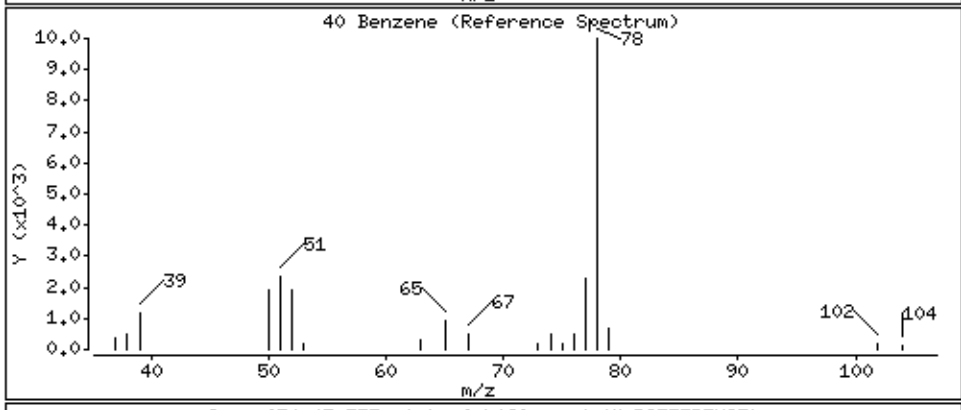
Review Code:

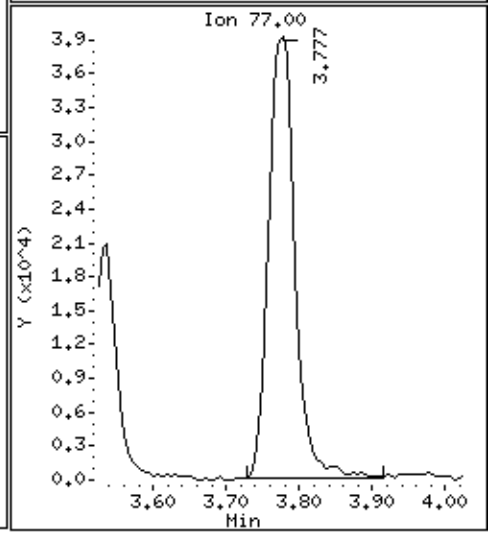


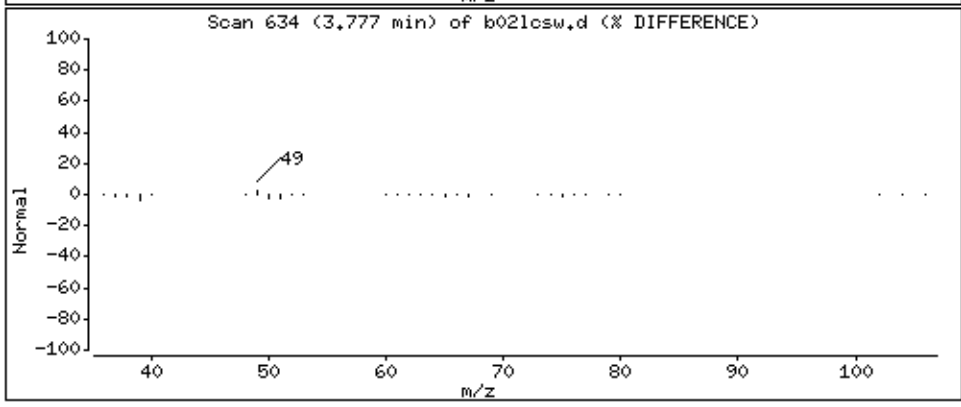












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

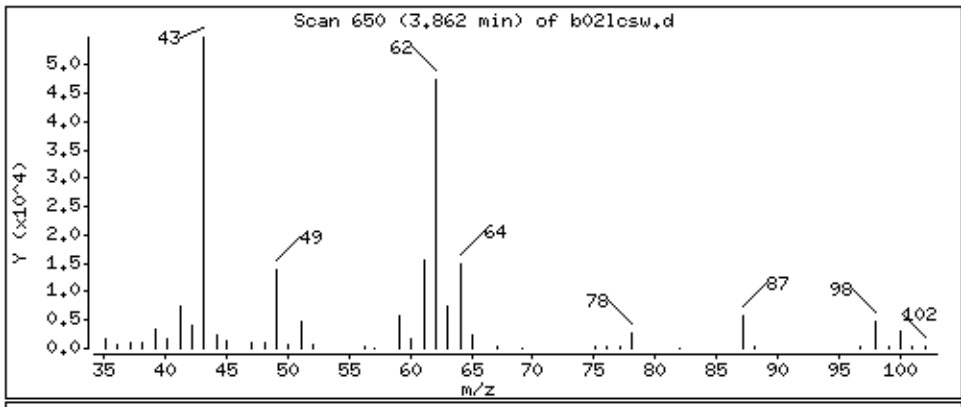
Column phase: DB-624

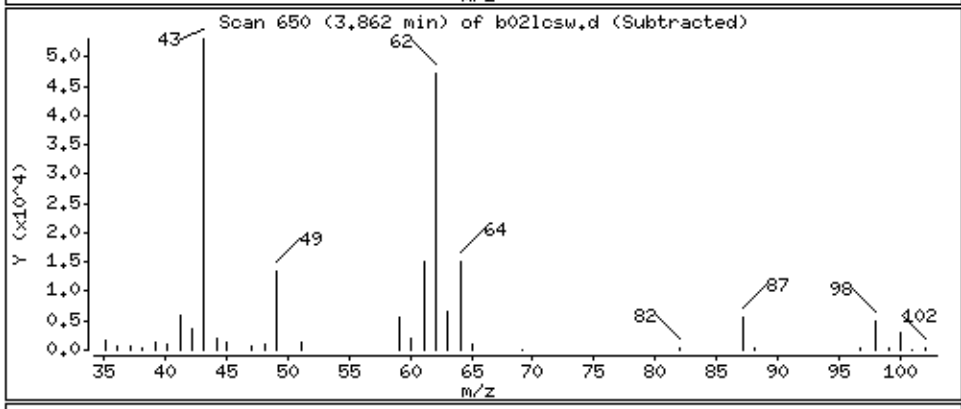
Column diameter: 0.18

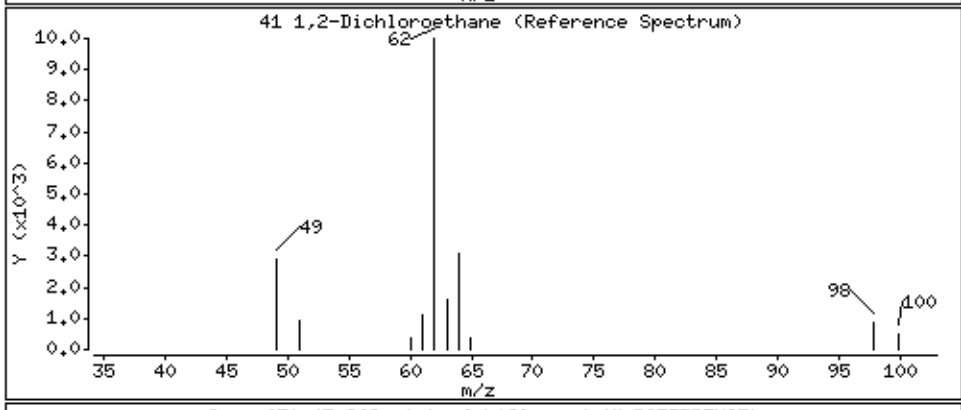
41 1,2-Dichloroethane

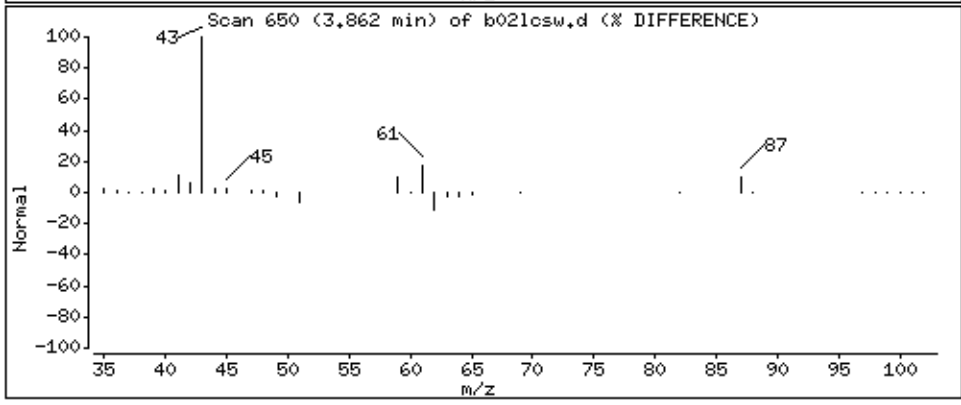
Concentration: 40.0 ppb

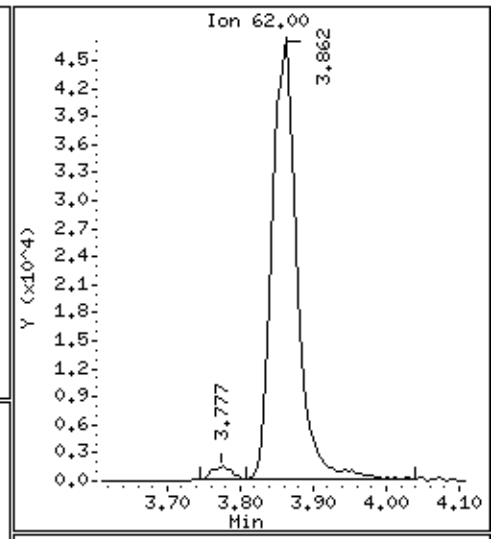
Review Code:

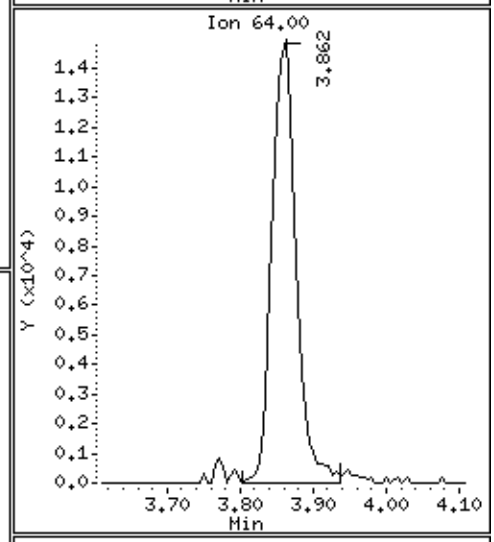


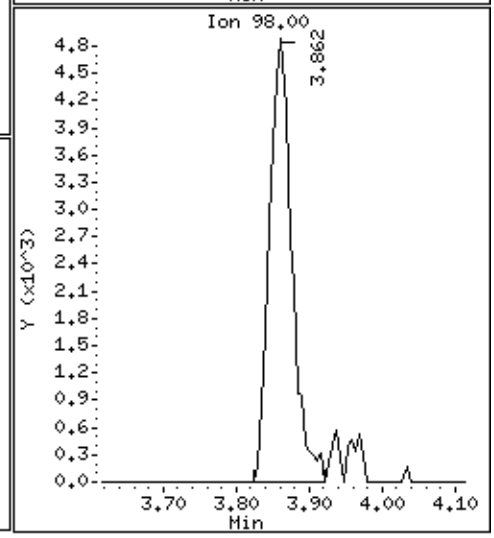












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

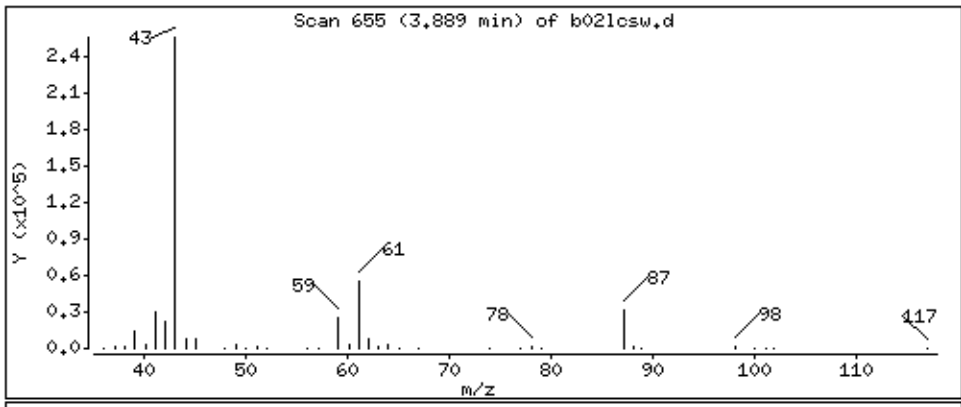
Column phase: DB-624

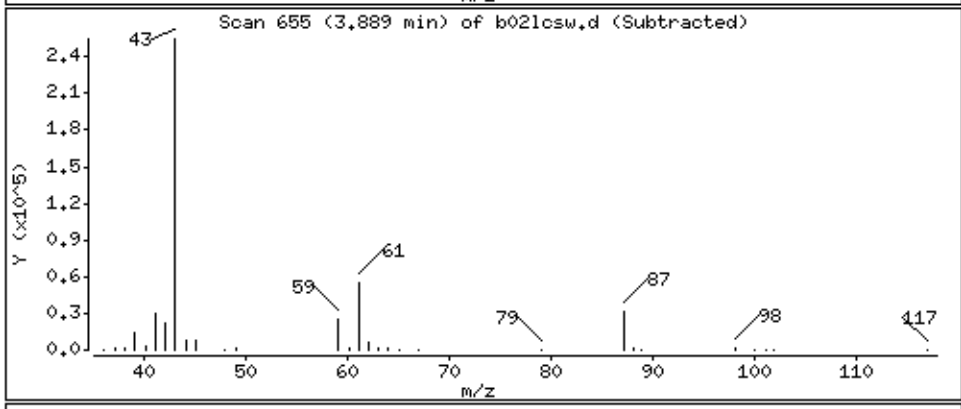
Column diameter: 0.18

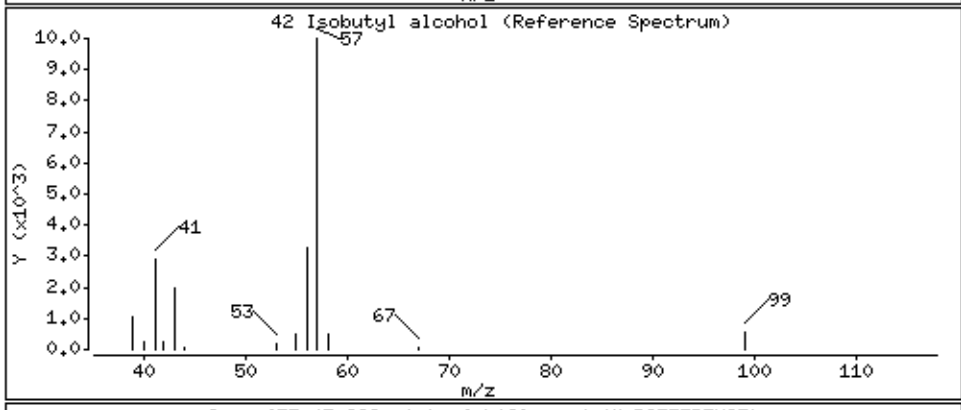
42 Isobutyl alcohol

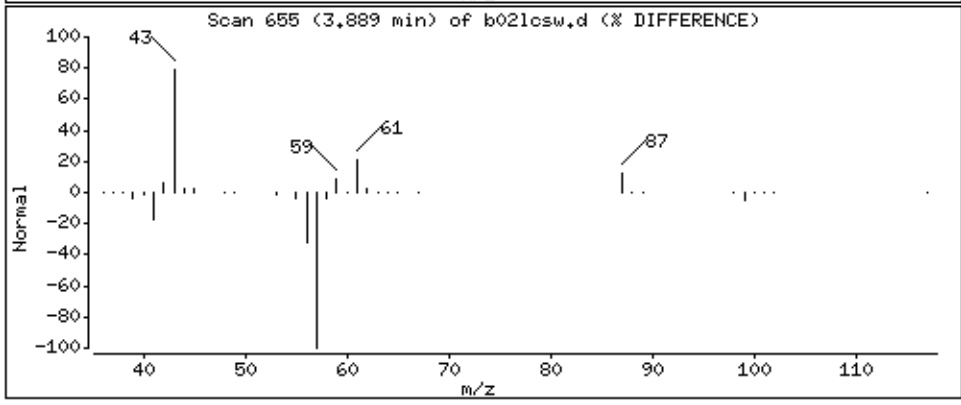
Concentration: 53.9 ppb

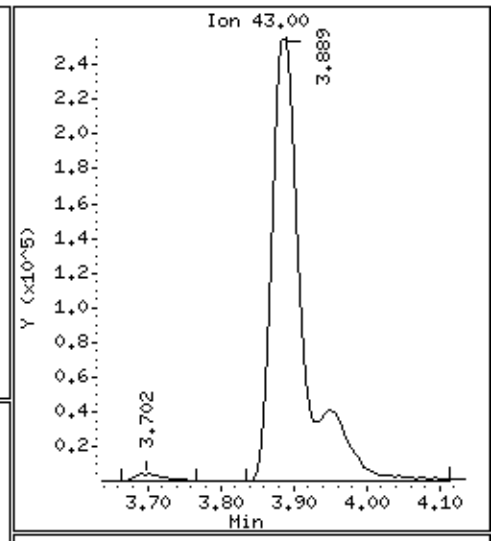
Review Code:

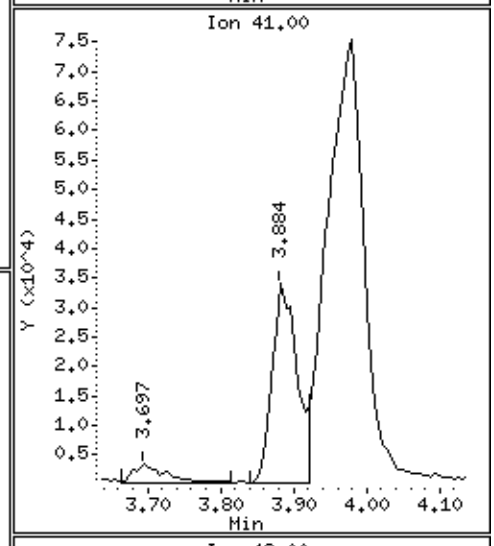


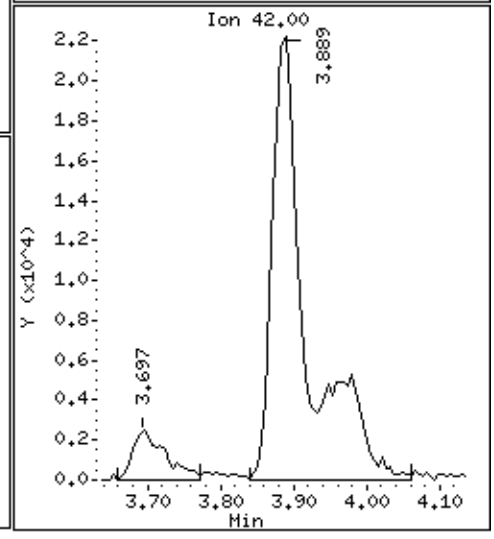












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

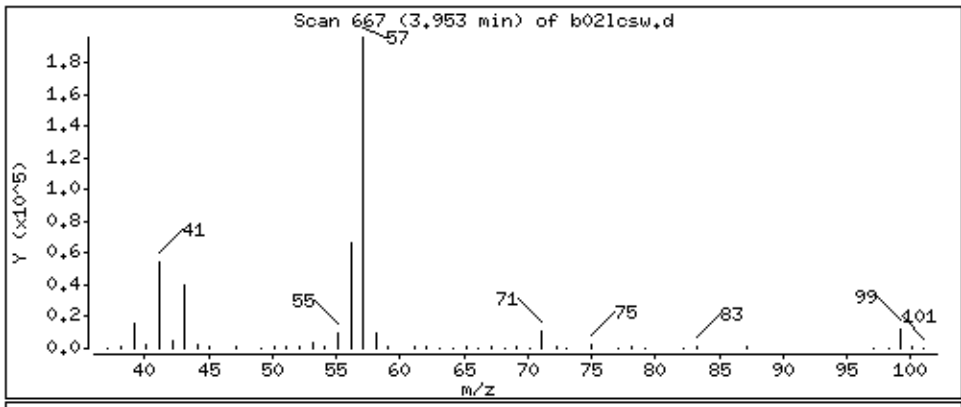
Column phase: DB-624

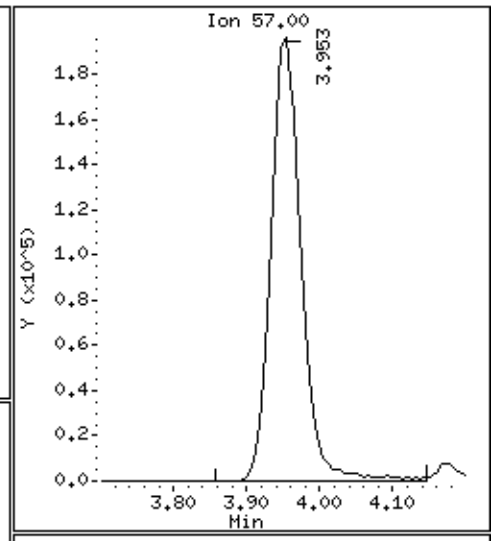
Column diameter: 0.18

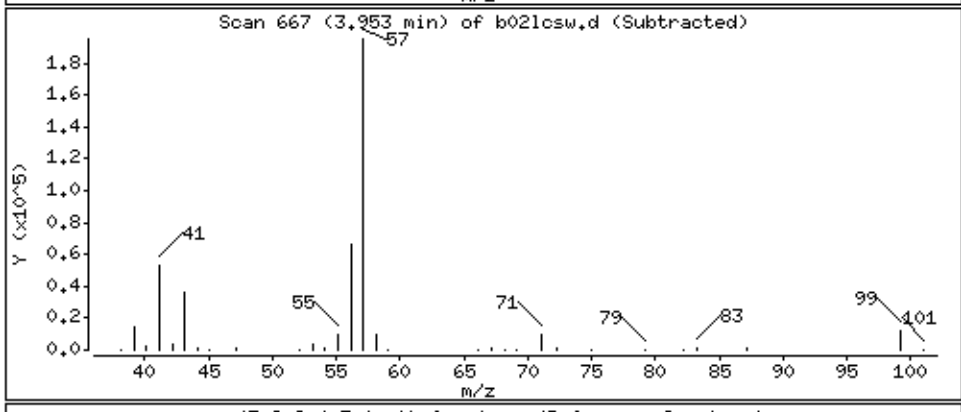
43 2,2,4-Trimethylpentane

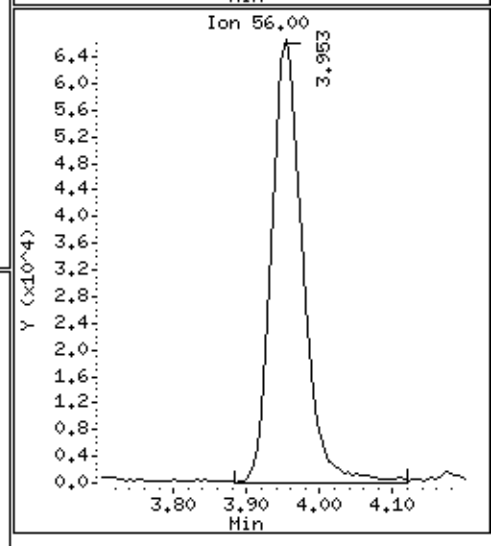
Concentration: 51.0 ppb

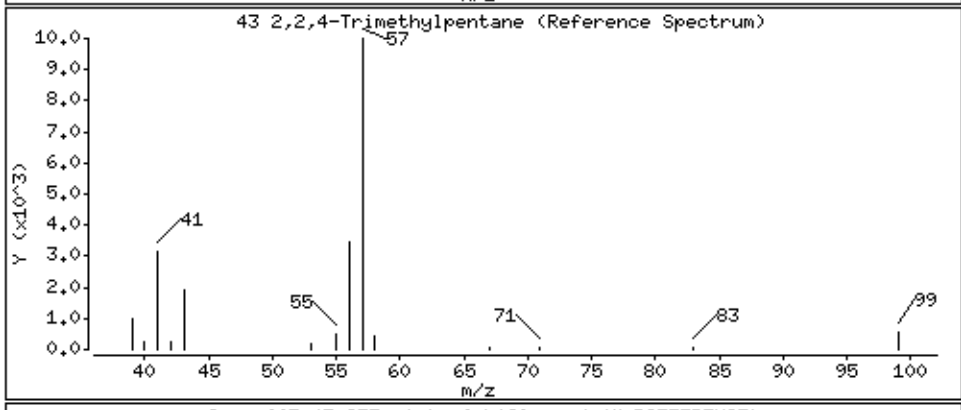
Review Code:

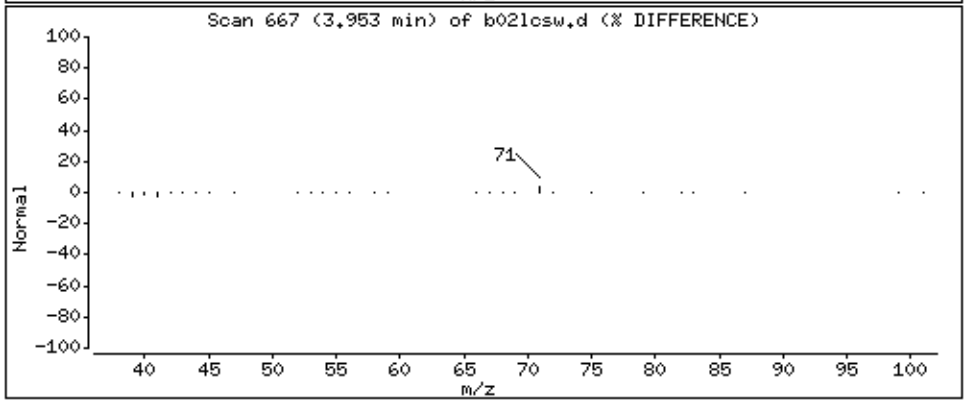












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

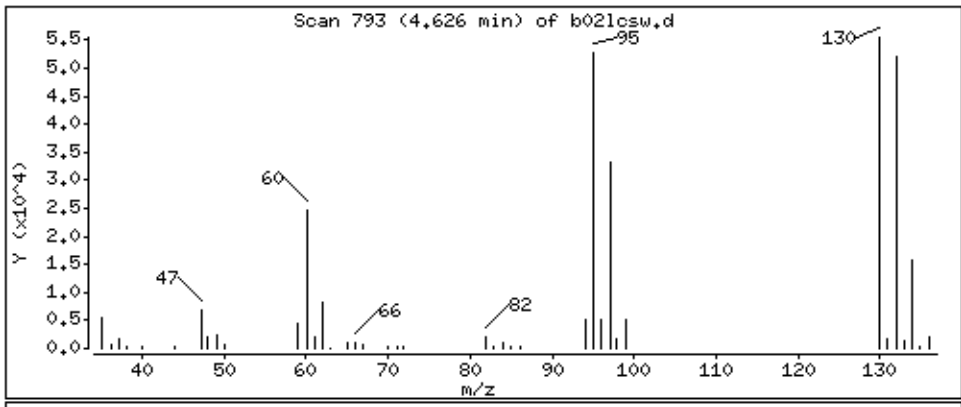
Column phase: DB-624

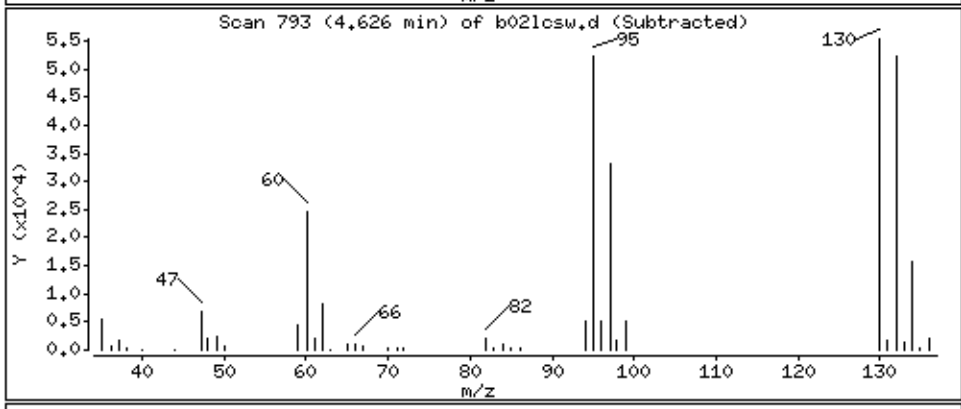
Column diameter: 0.18

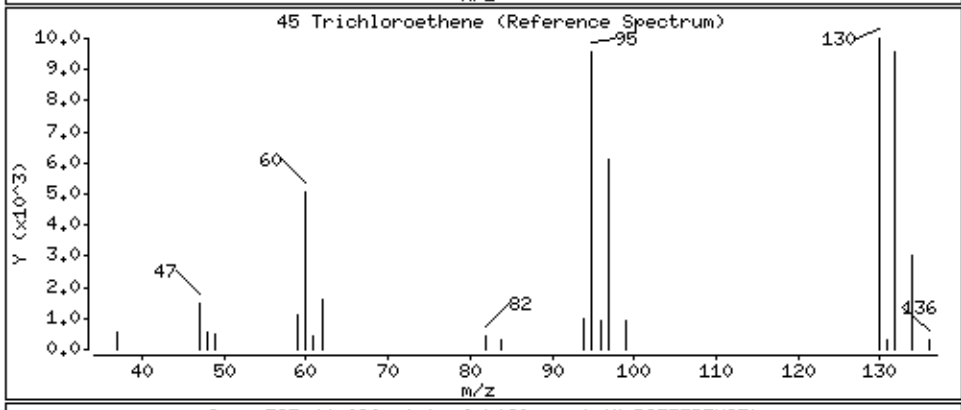
45 Trichloroethene

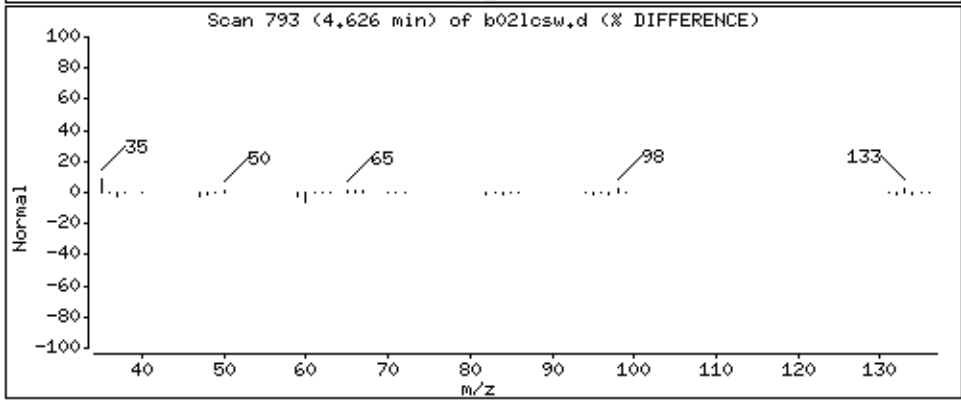
Concentration: 49.3 ppb

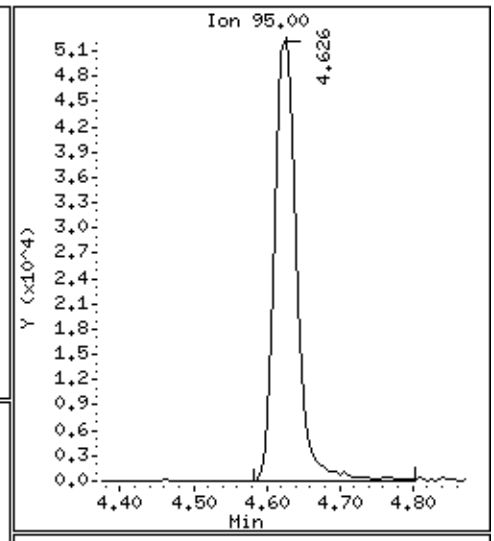
Review Code:

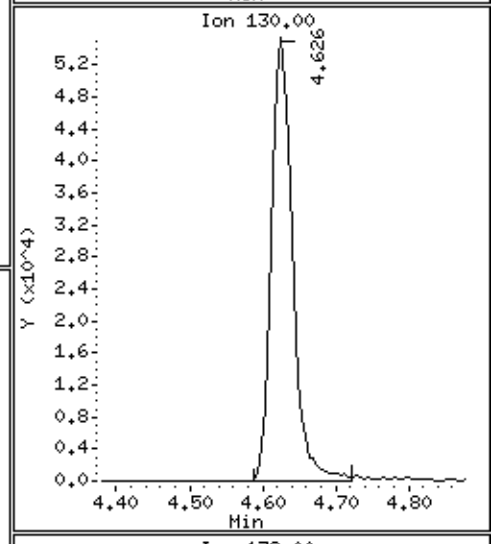


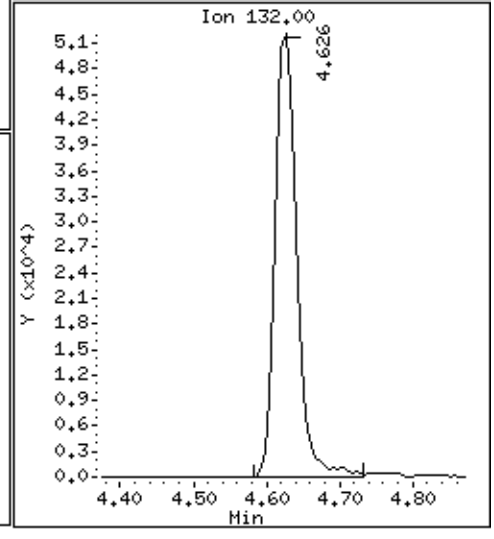












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

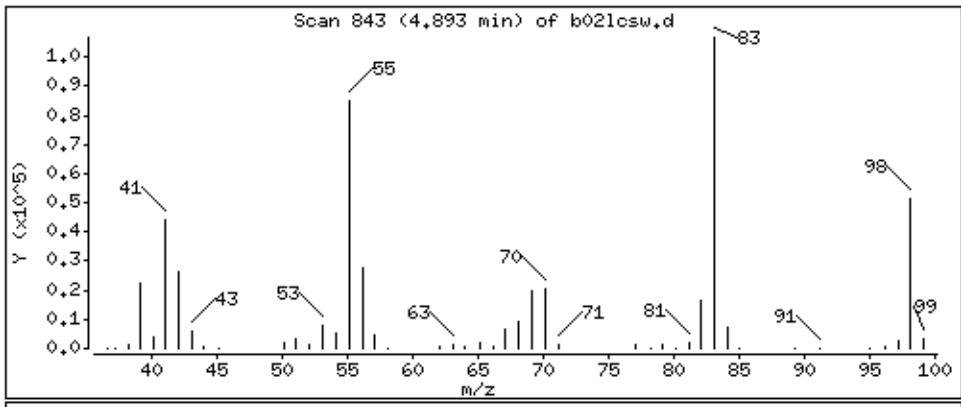
Column phase: DB-624

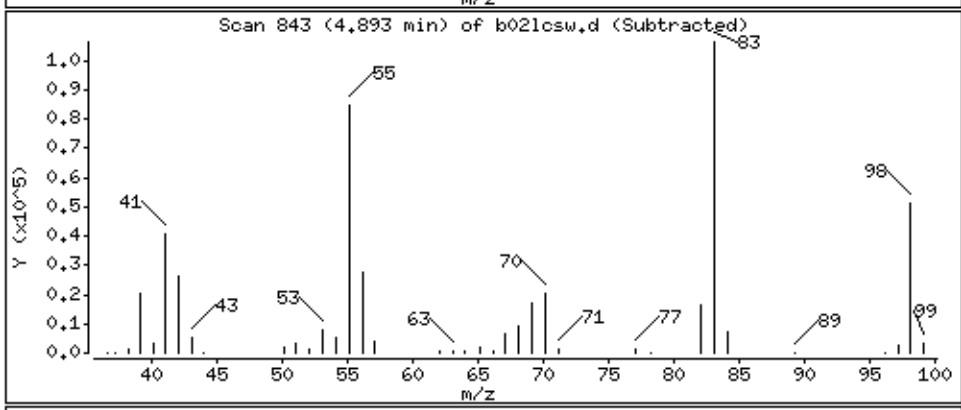
Column diameter: 0.18

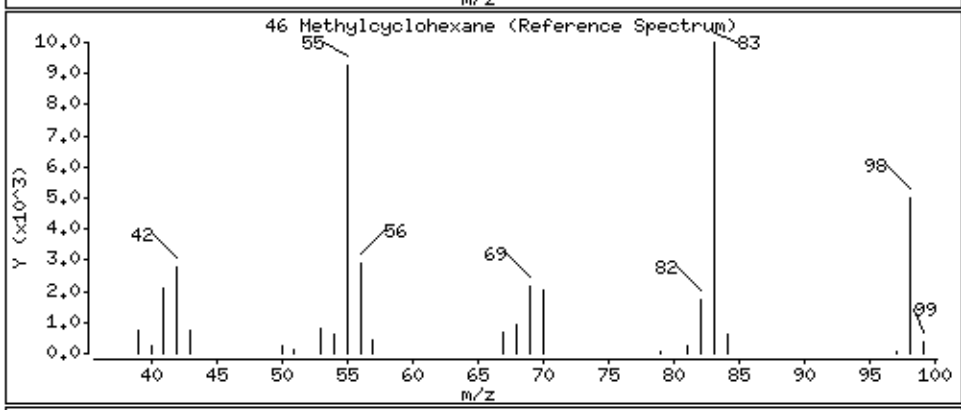
46 Methylcyclohexane

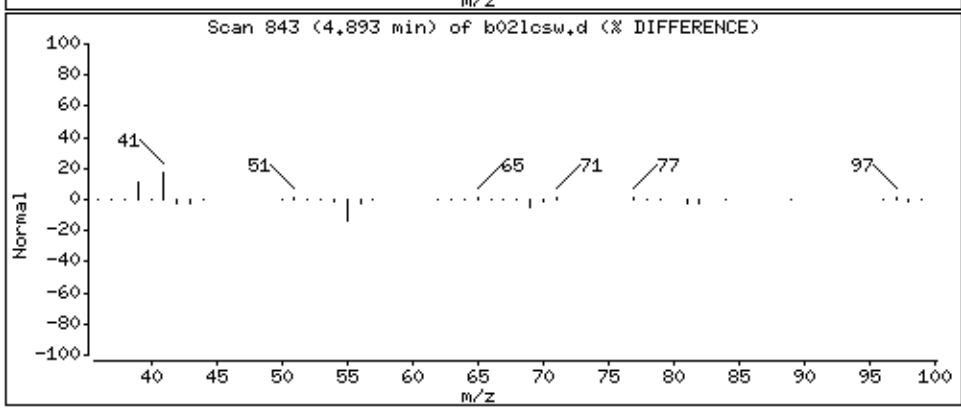
Concentration: 53.2 ppb

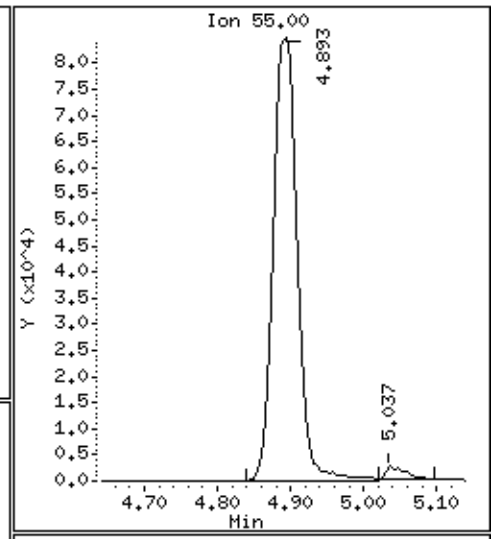
Review Code:

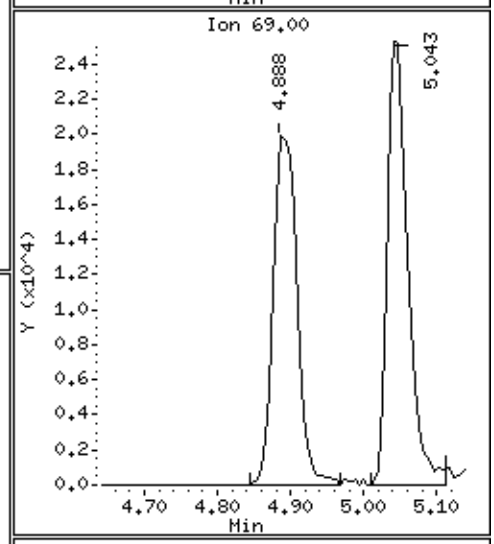


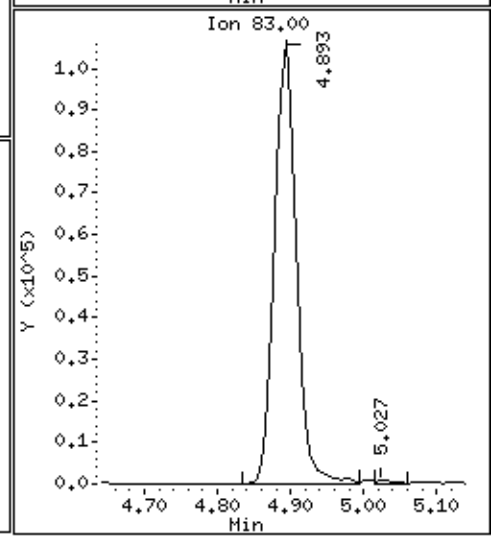












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

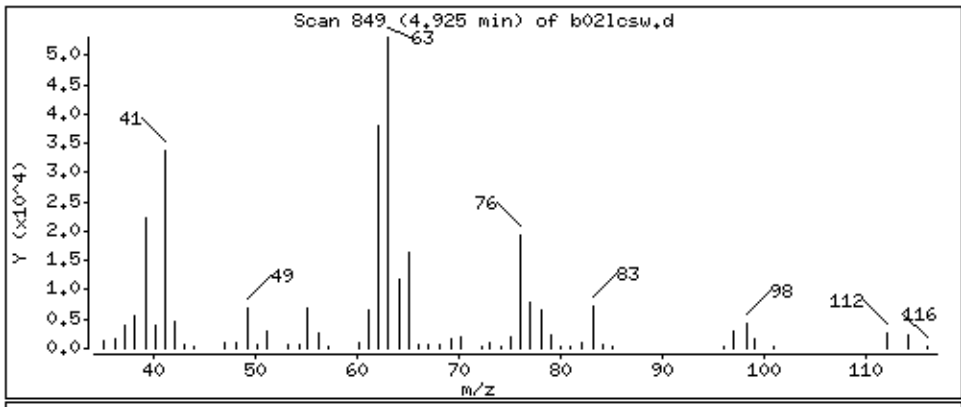
Column phase: DB-624

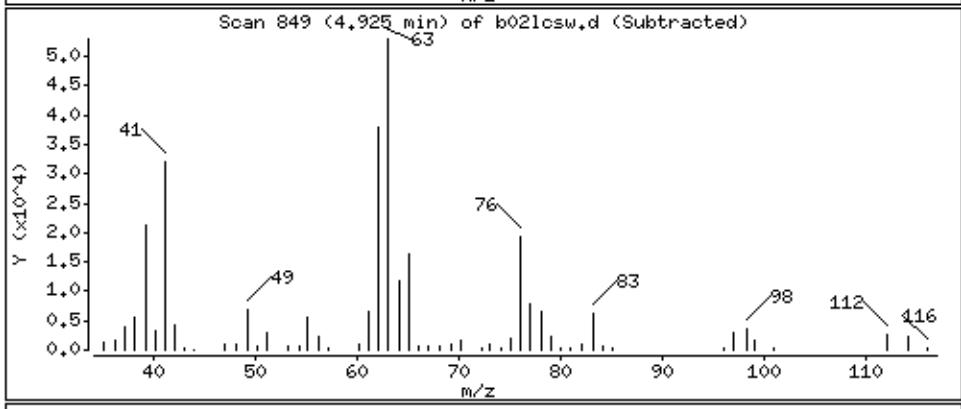
Column diameter: 0.18

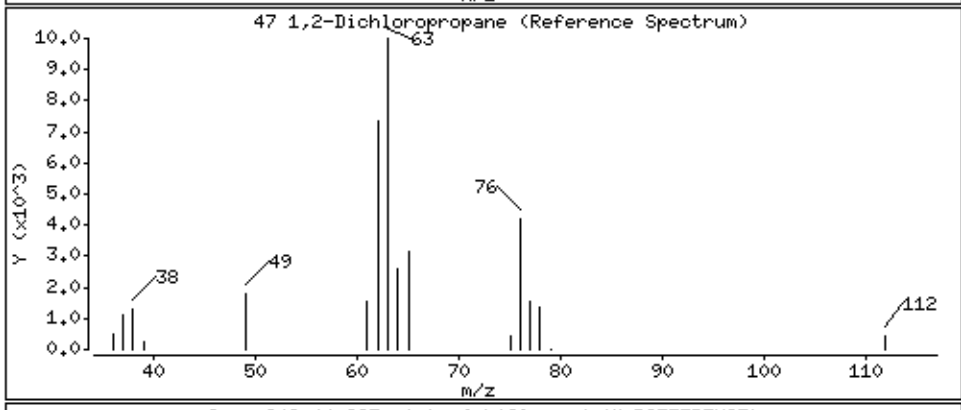
47 1,2-Dichloropropane

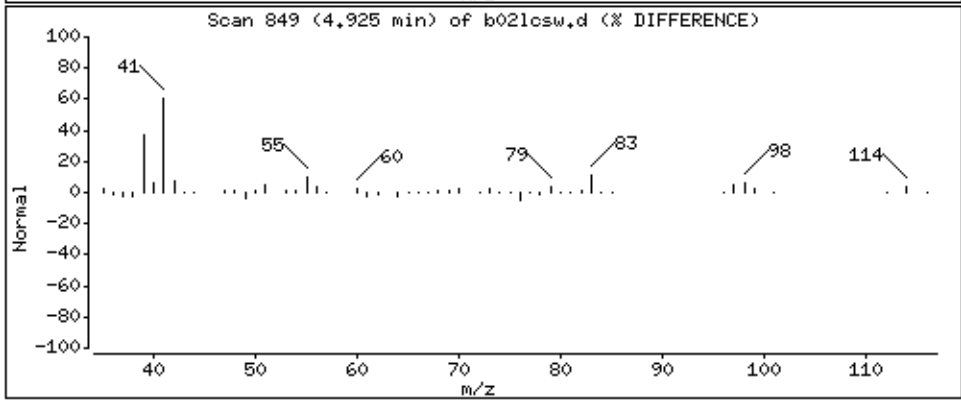
Concentration: 51.8 ppb

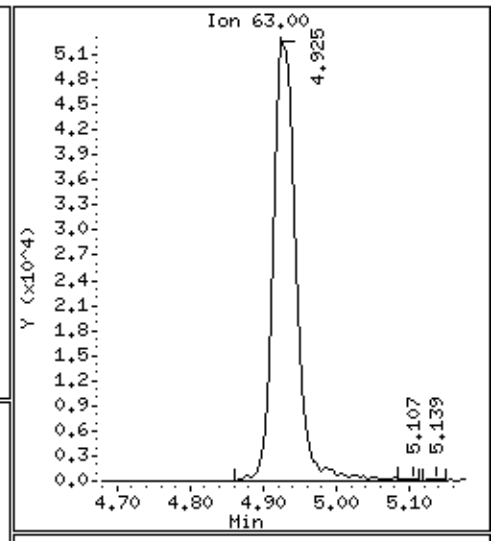
Review Code:

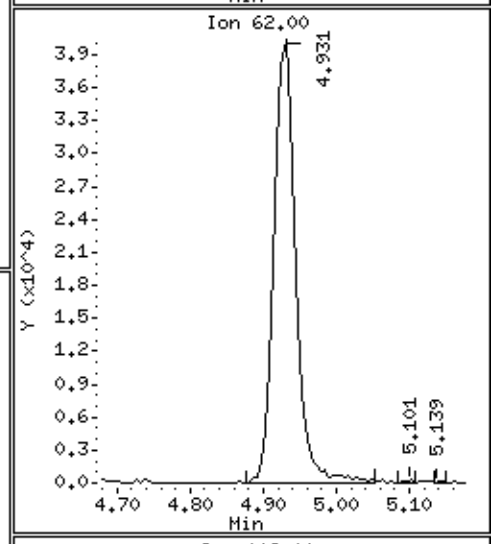


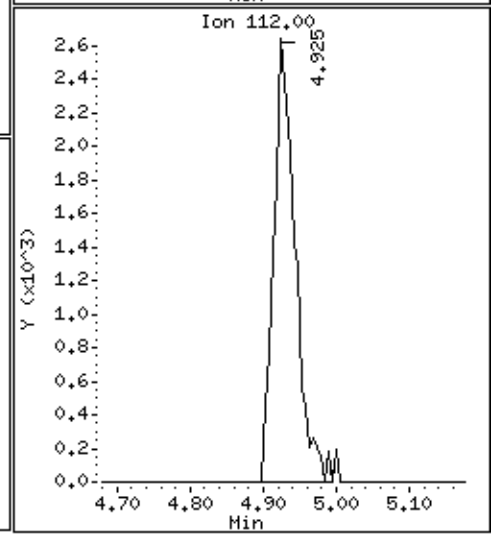












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

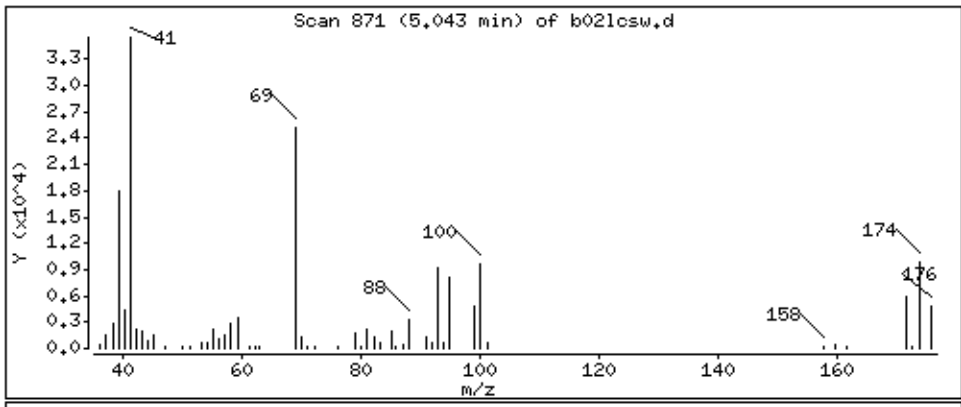
Column phase: DB-624

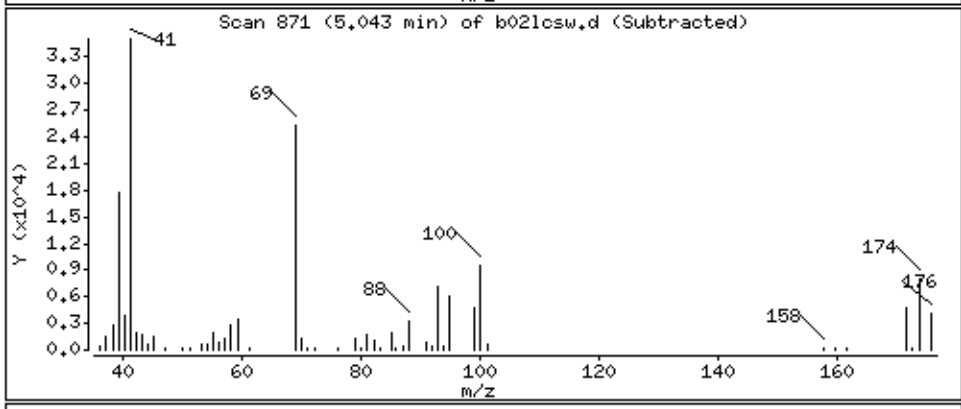
Column diameter: 0.18

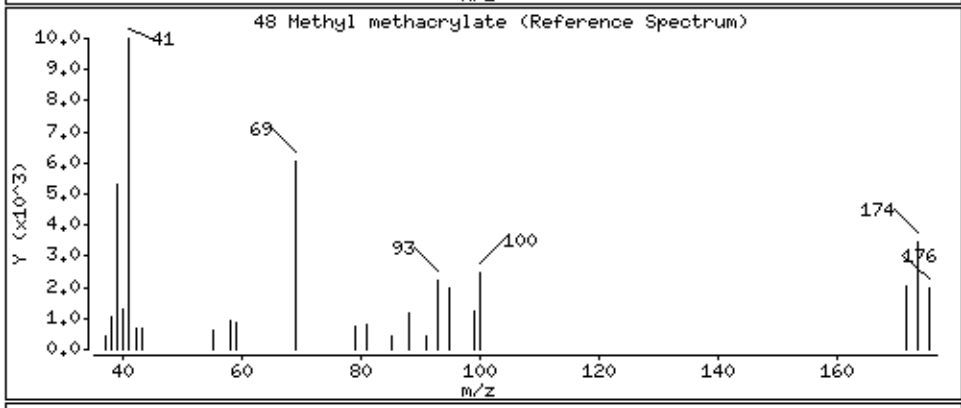
48 Methyl methacrylate

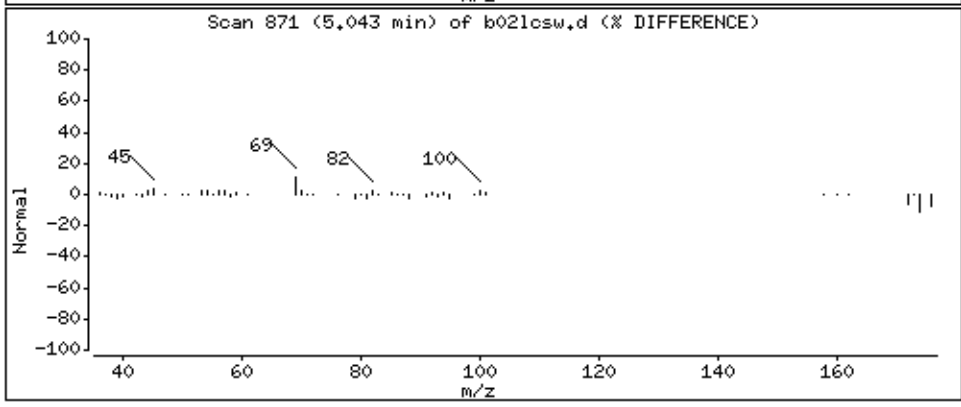
Concentration: 56.9 ppb

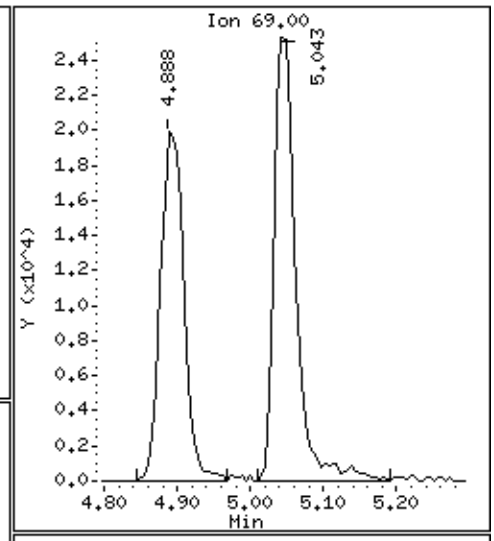
Review Code:

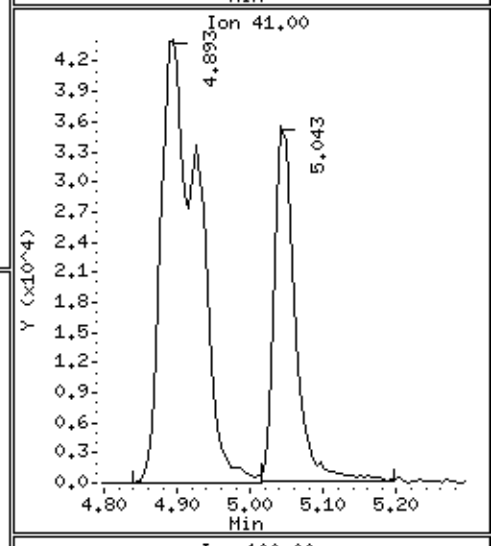


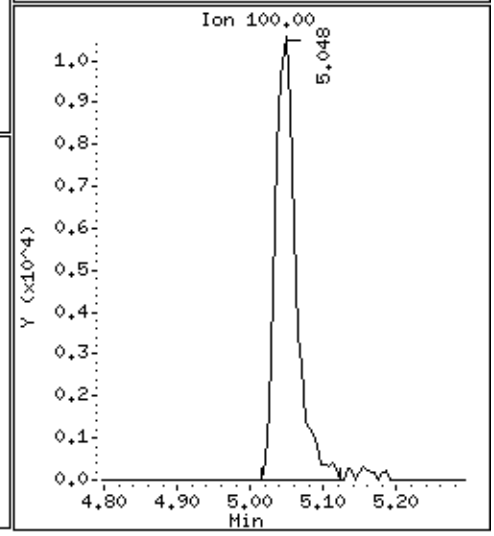












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

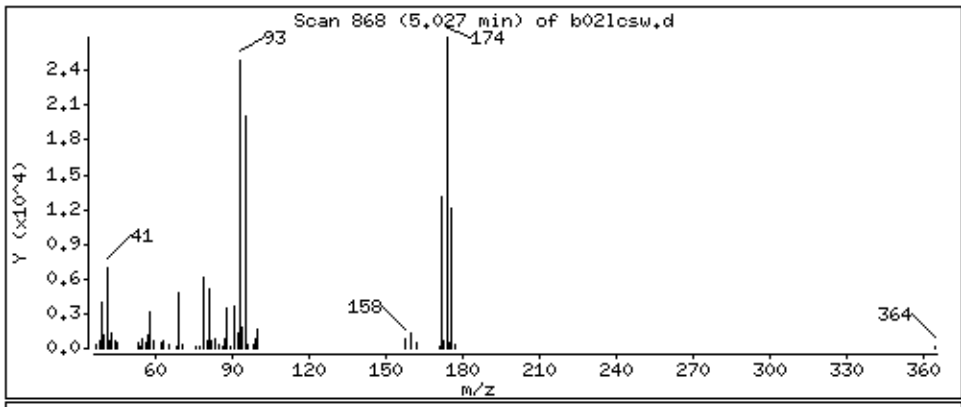
Column phase: DB-624

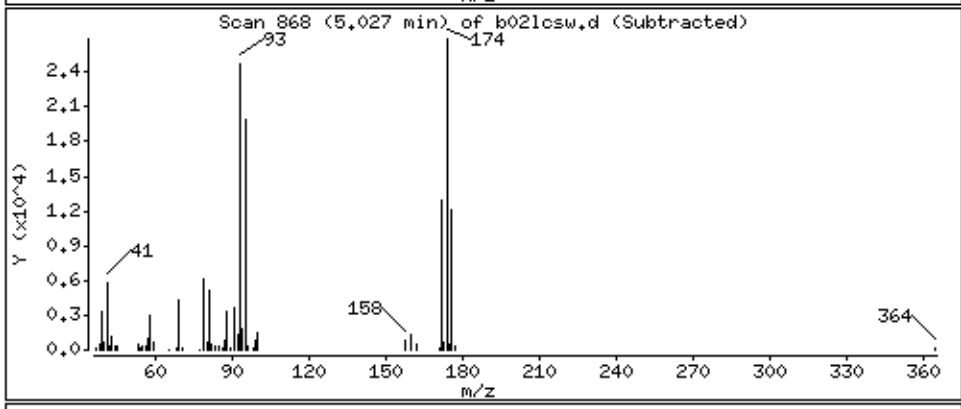
Column diameter: 0.18

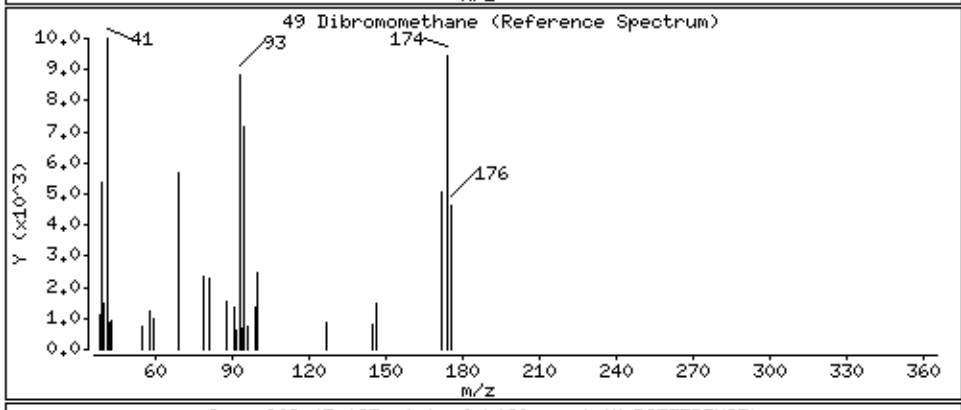
49 Dibromomethane

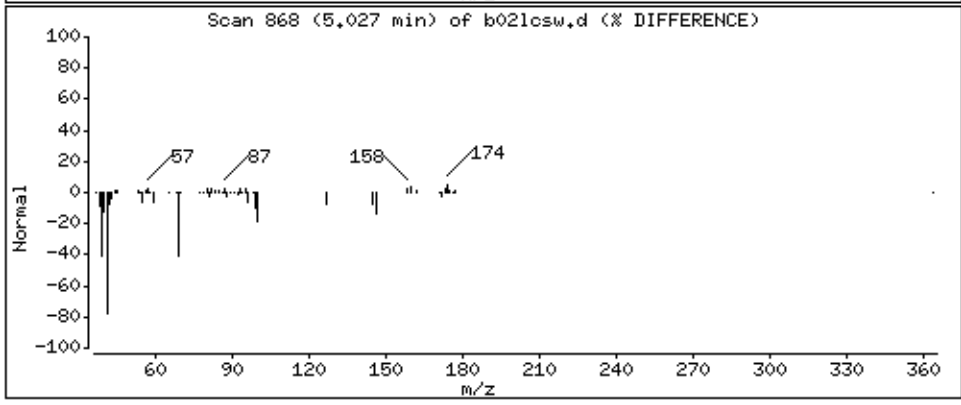
Concentration: 45.2 ppb

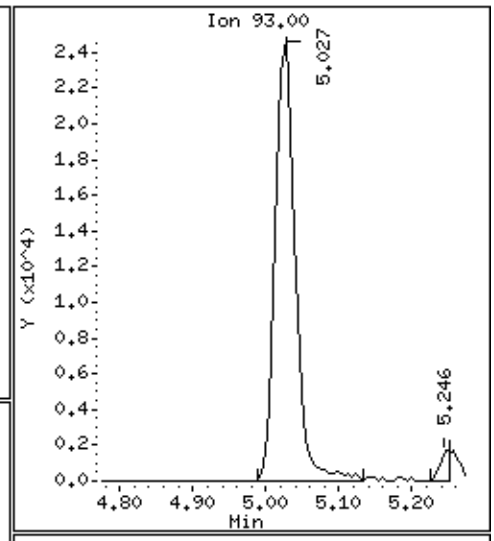
Review Code:

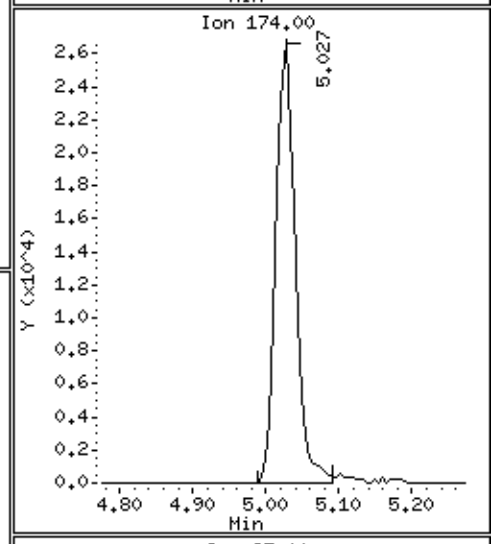


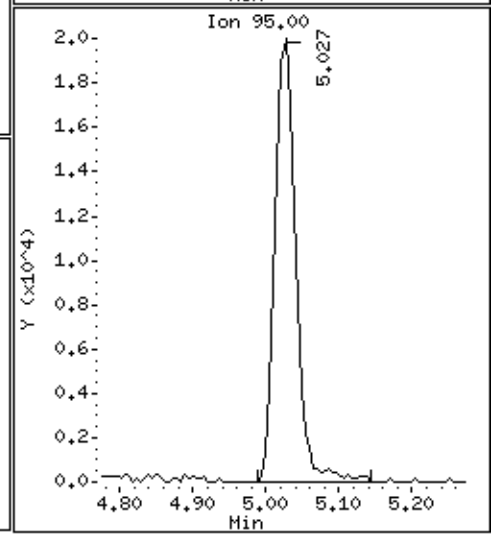












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

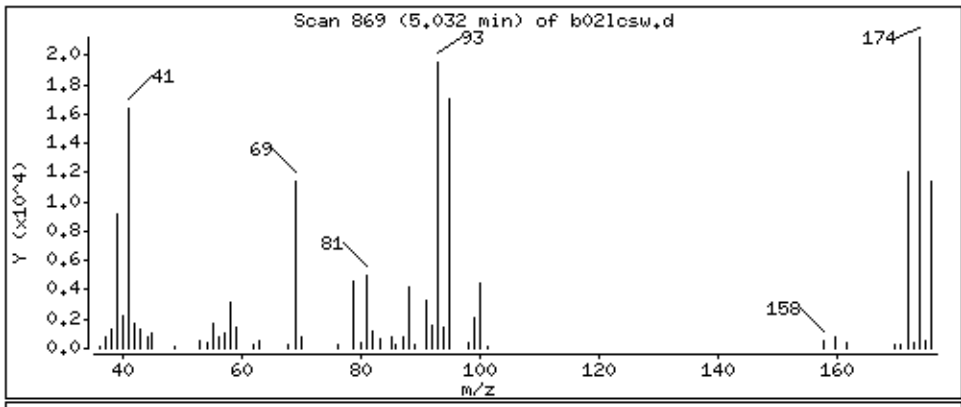
Column phase: DB-624

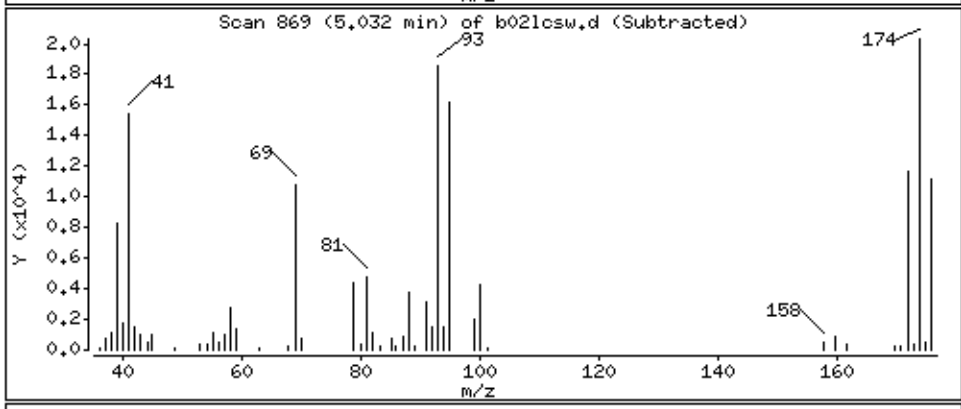
Column diameter: 0.18

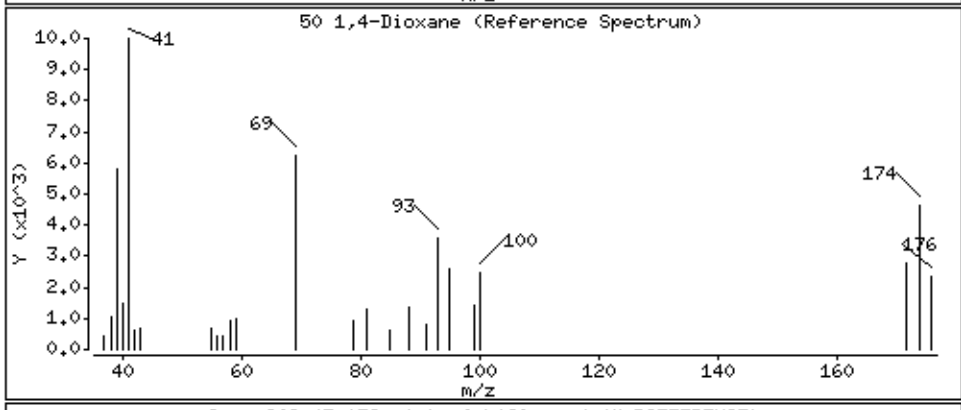
50 1,4-Dioxane

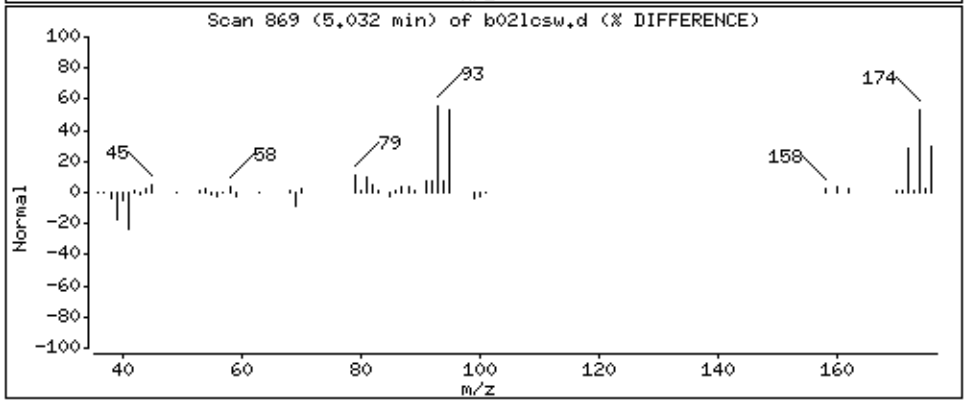
Concentration: 848 ppb

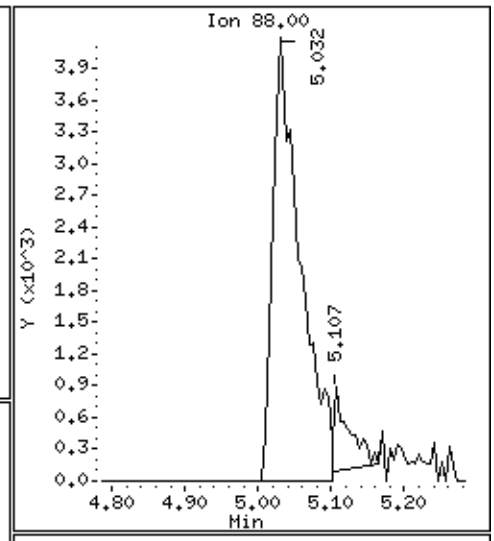
Review Code:

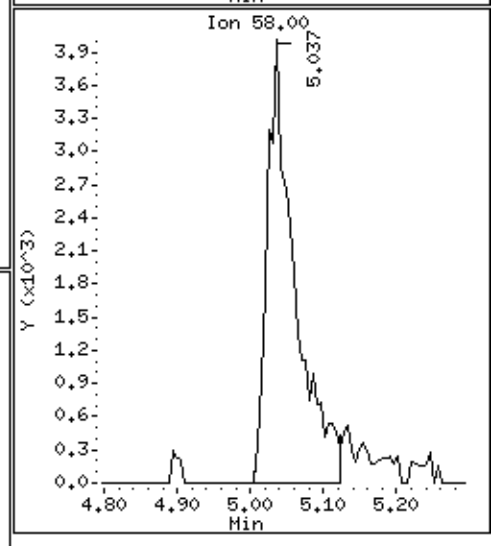












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

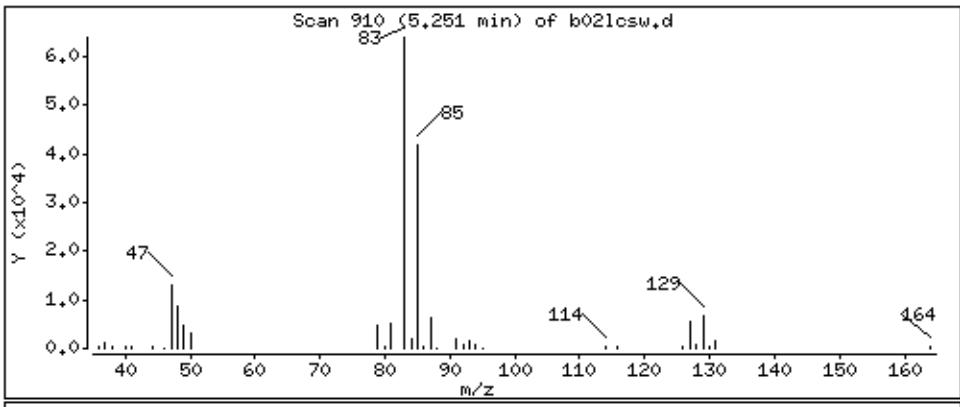
Column phase: DB-624

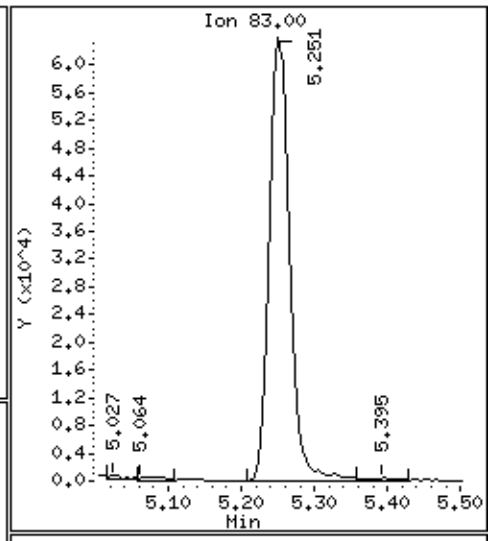
Column diameter: 0.18

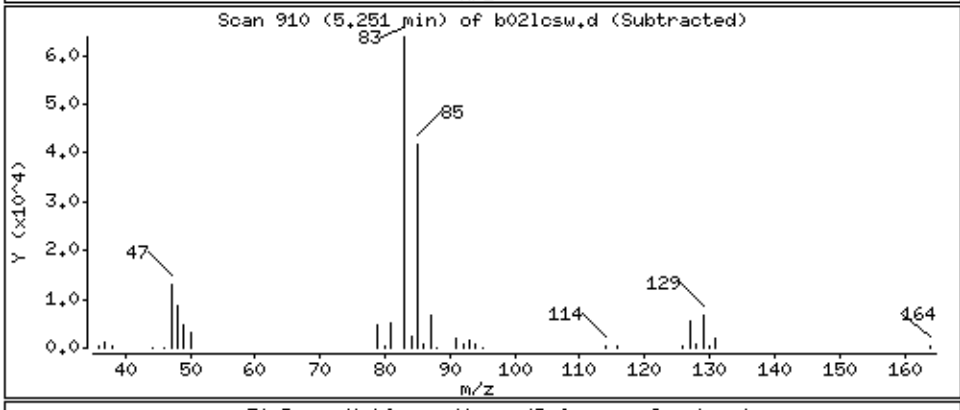
51 Bromodichloromethane

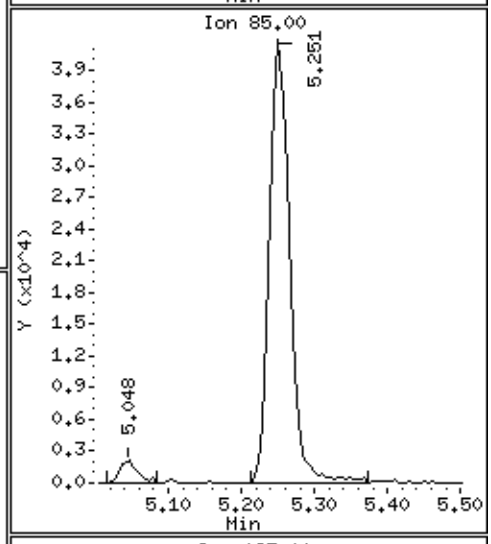
Concentration: 47.6 ppb

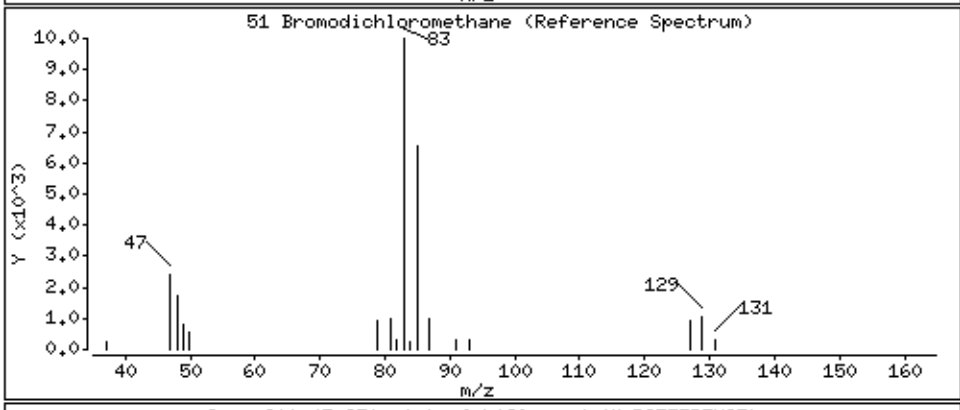
Review Code:

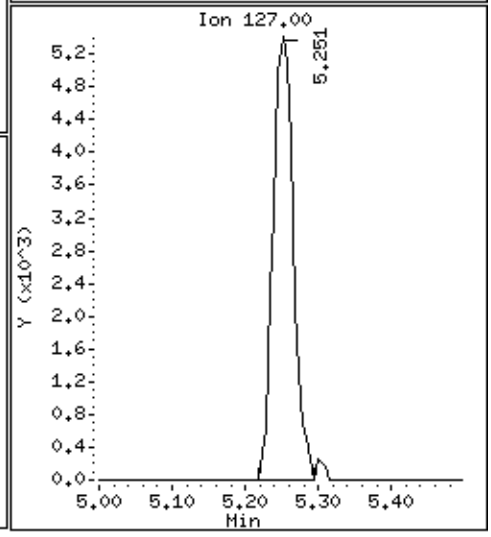


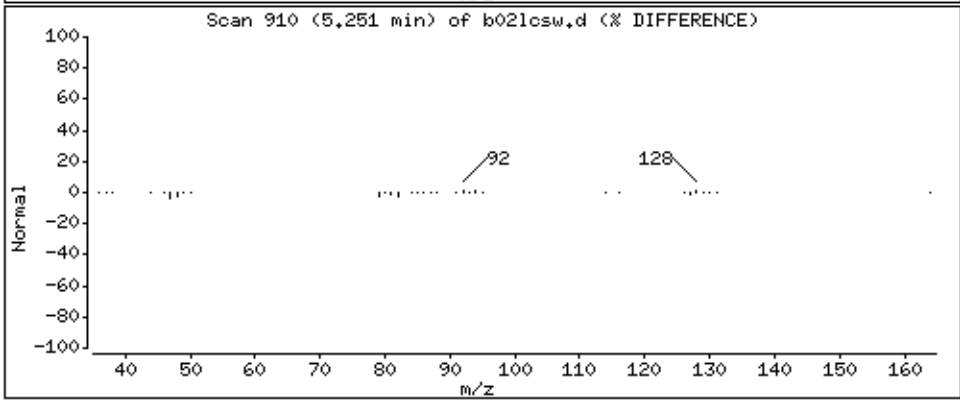












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

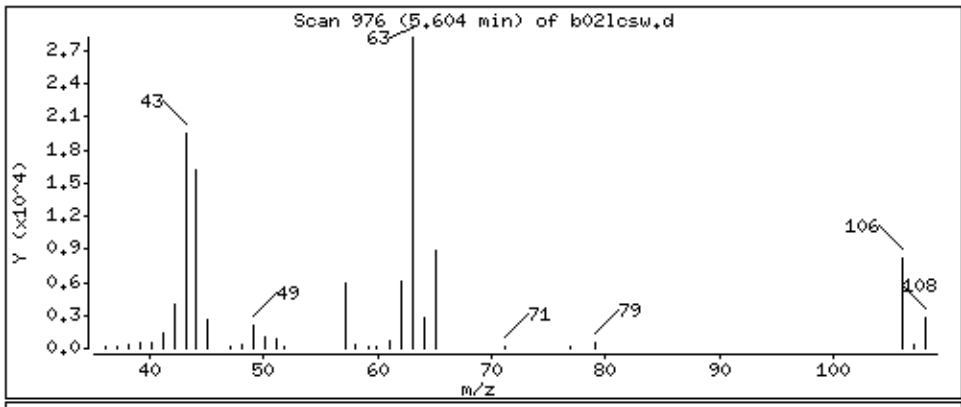
Column phase: DB-624

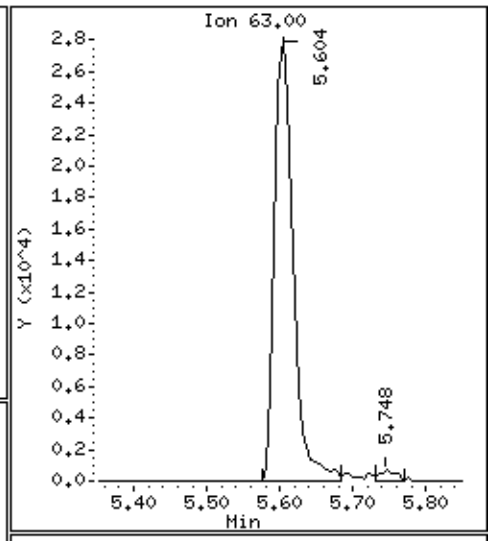
Column diameter: 0.18

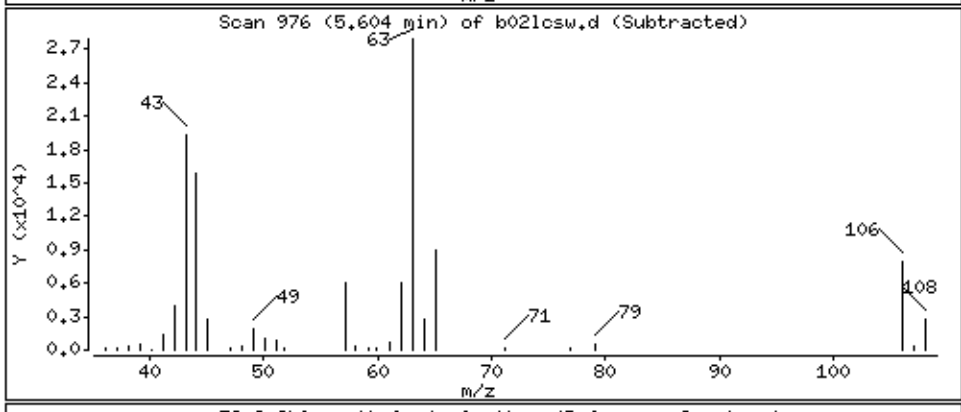
52 2-Chloroethyl vinyl ether

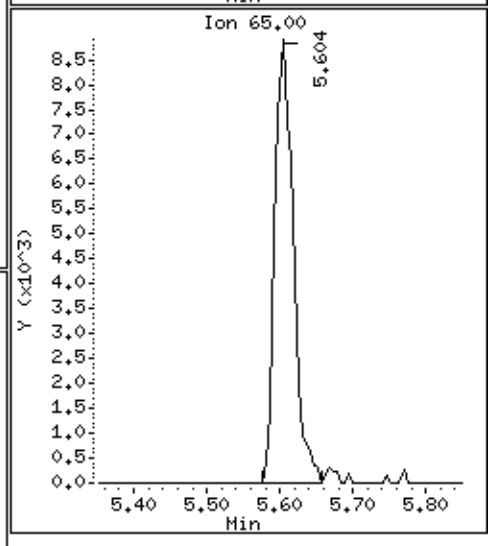
Concentration: 46.6 ppb

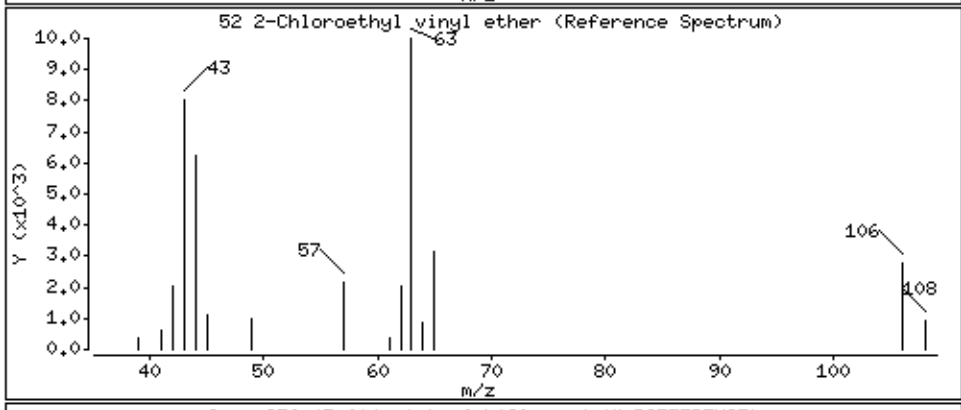
Review Code:

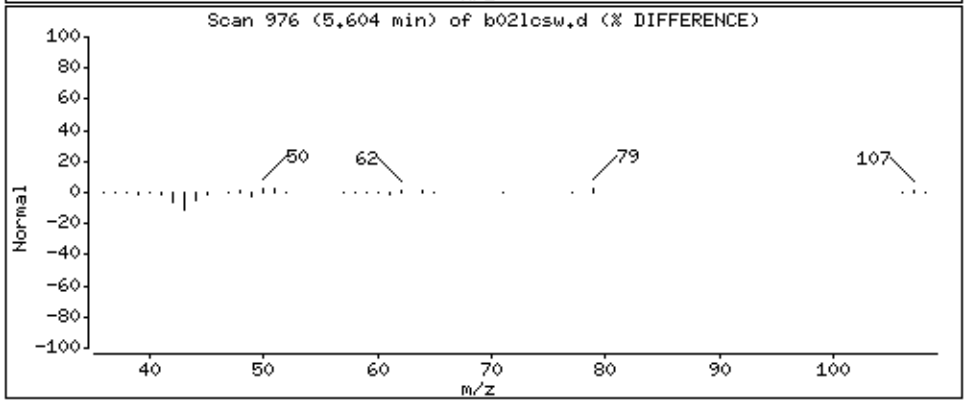












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

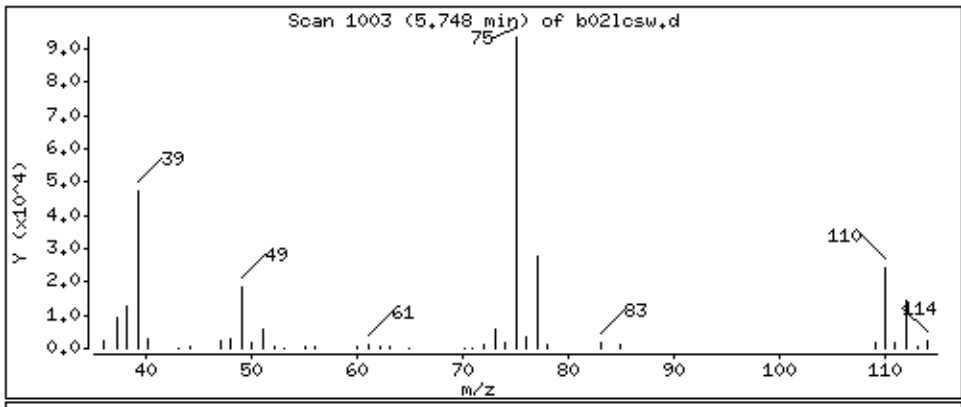
Column phase: DB-624

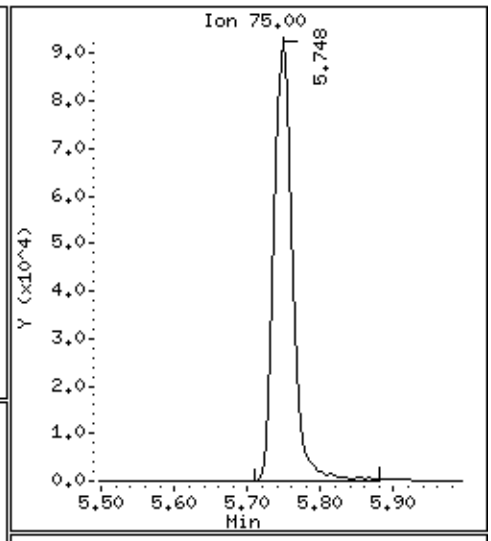
Column diameter: 0.18

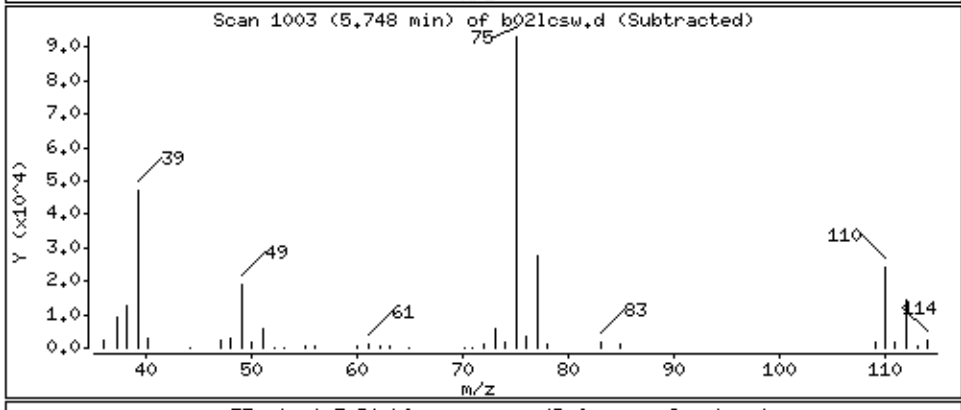
53 cis-1,3-Dichloropropene

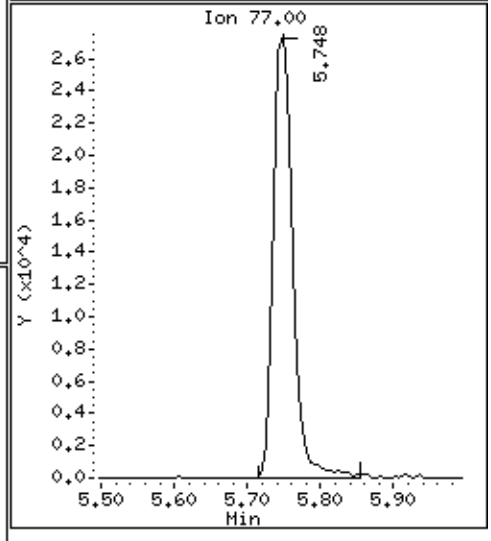
Concentration: 48.2 ppb

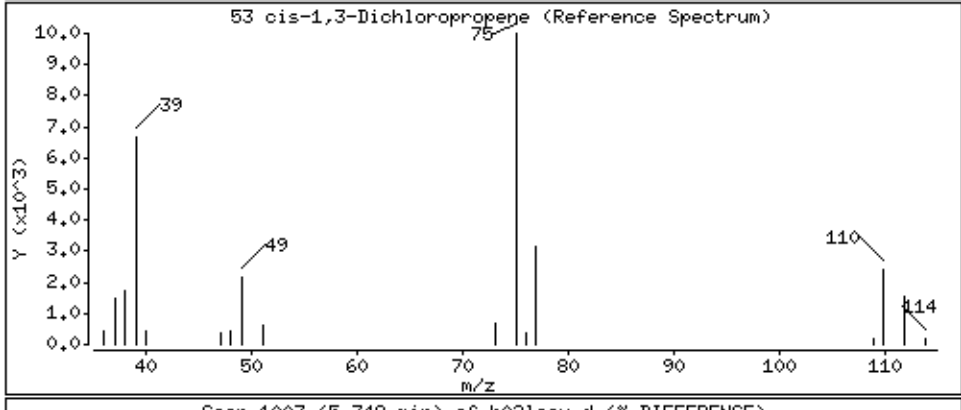
Review Code:

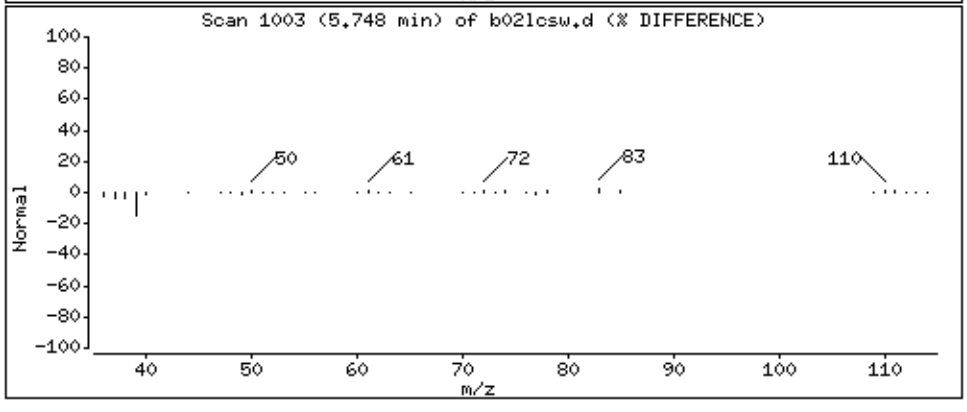












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

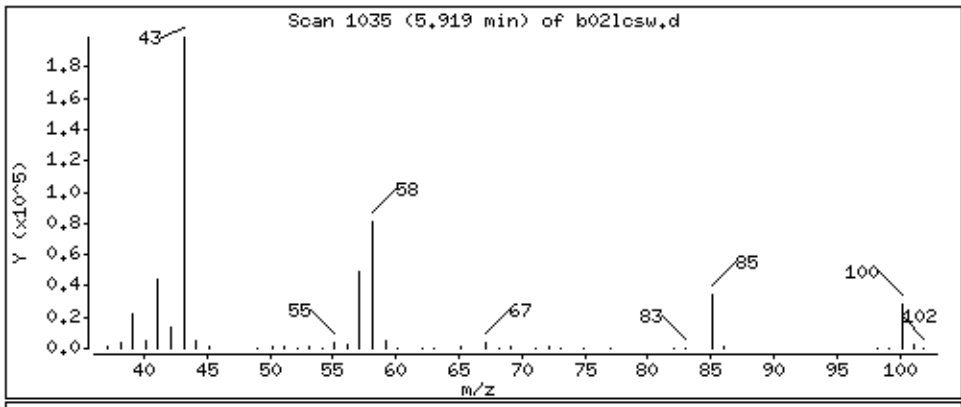
Column phase: DB-624

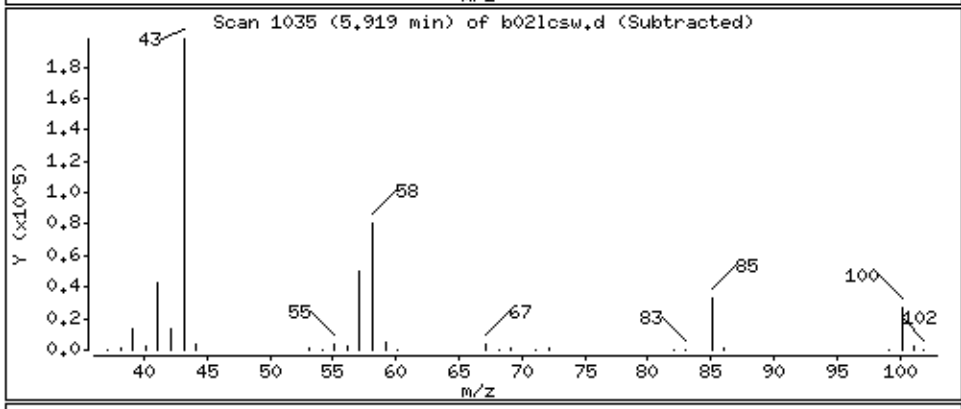
Column diameter: 0.18

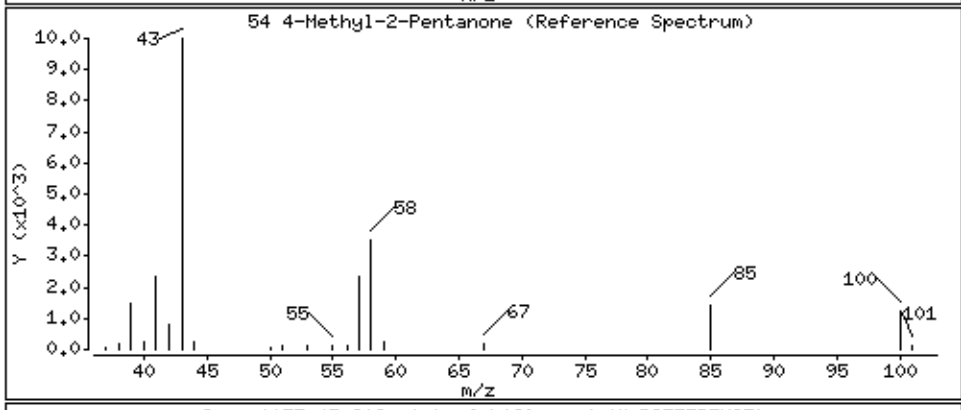
54 4-Methyl-2-Pentanone

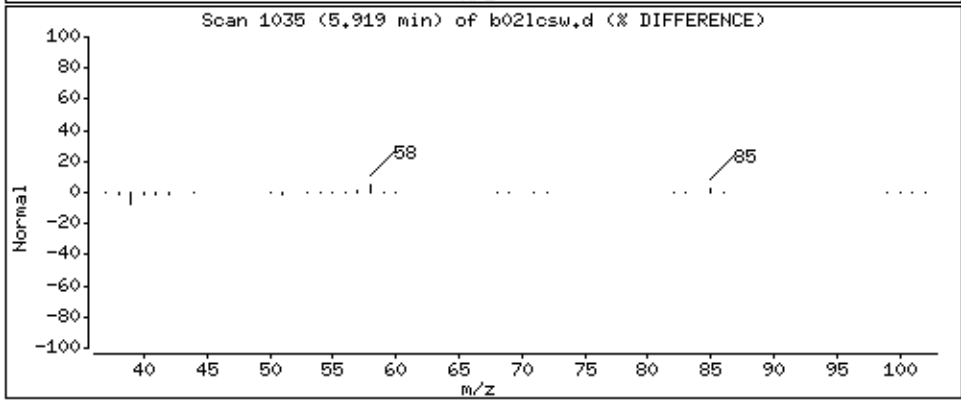
Concentration: 244 ppb

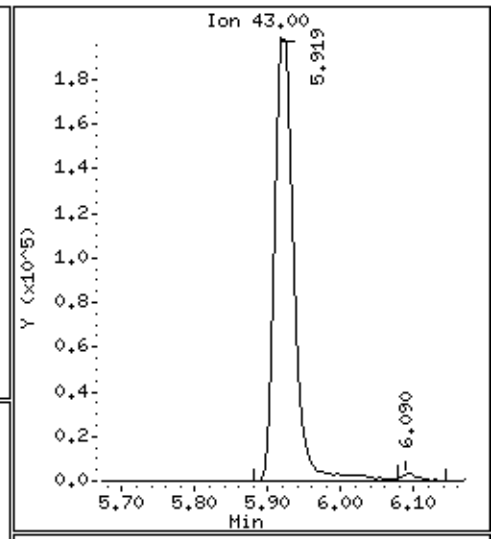
Review Code:

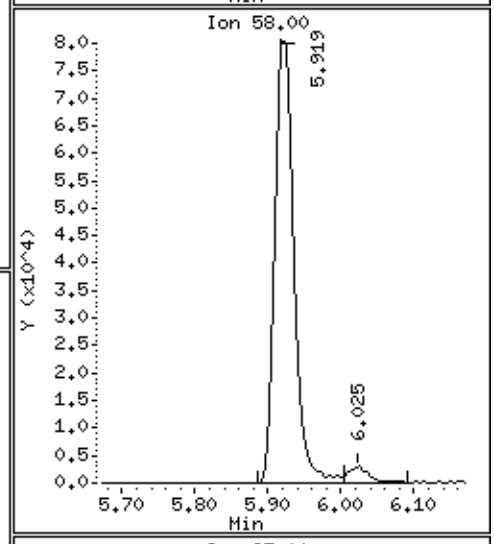


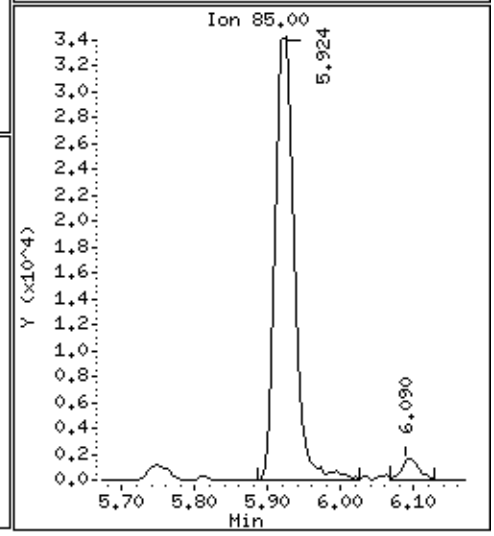












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

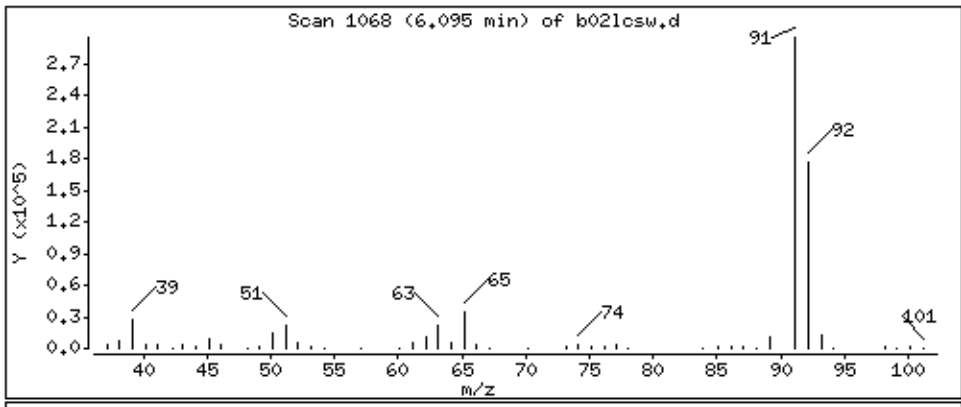
Column phase: DB-624

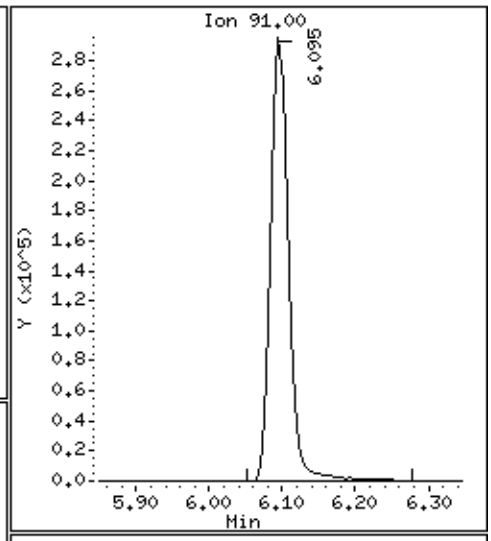
Column diameter: 0.18

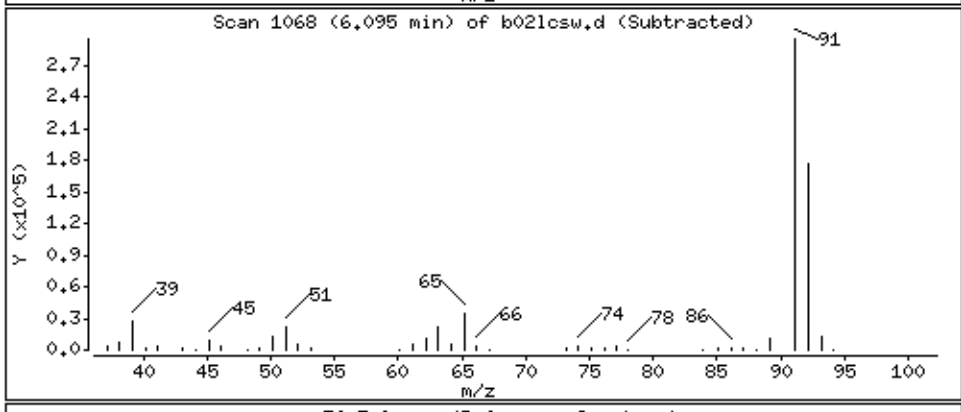
56 Toluene

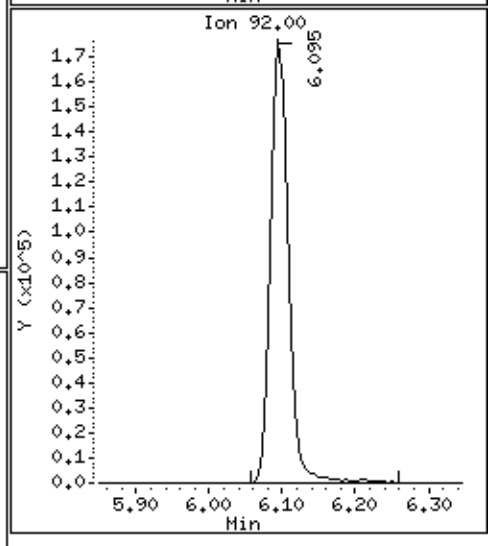
Concentration: 42.8 ppb

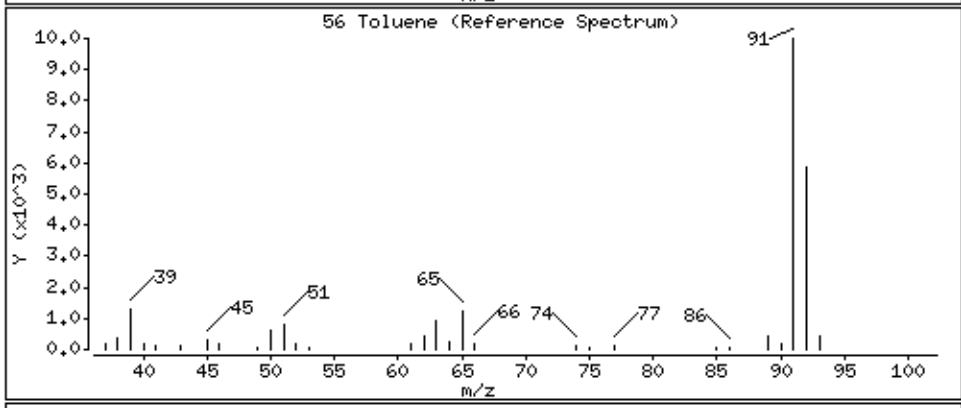
Review Code:

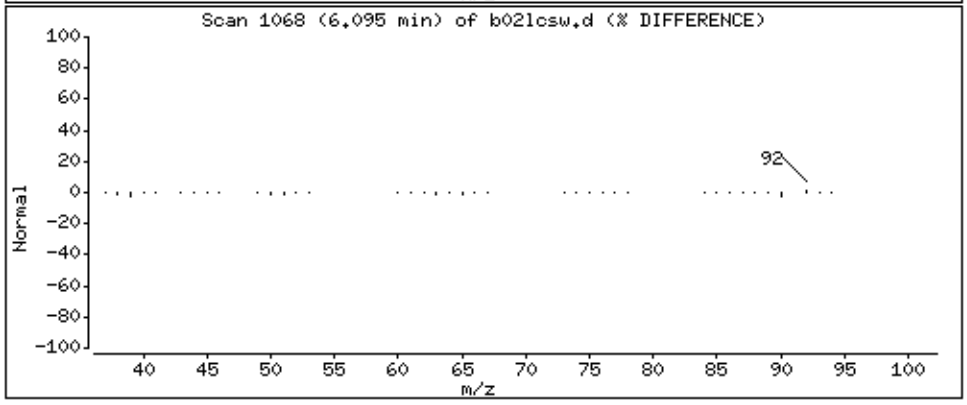












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

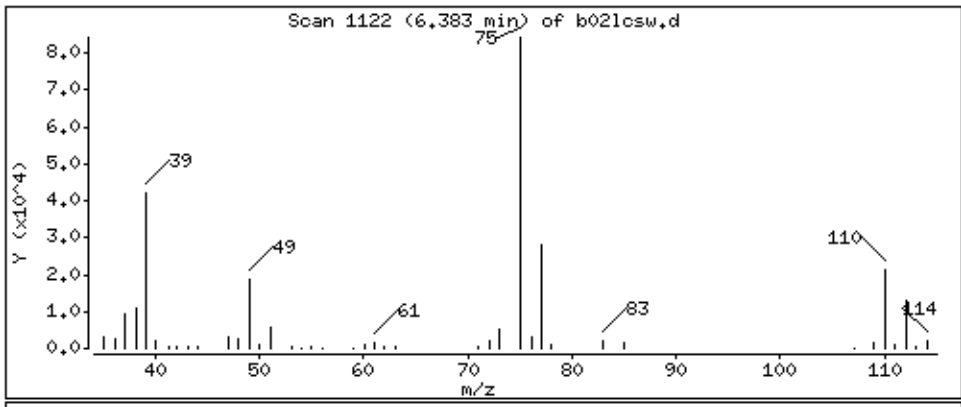
Column phase: DB-624

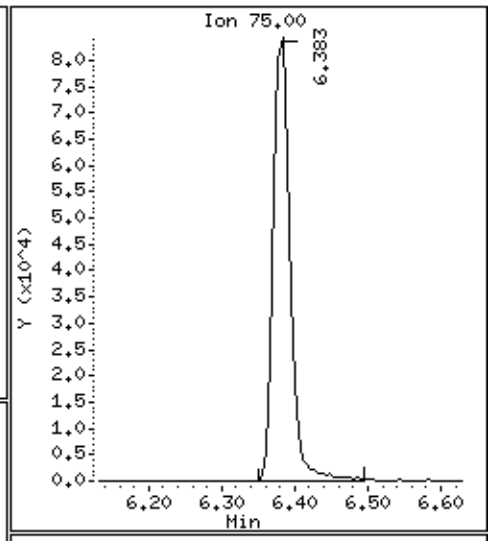
Column diameter: 0.18

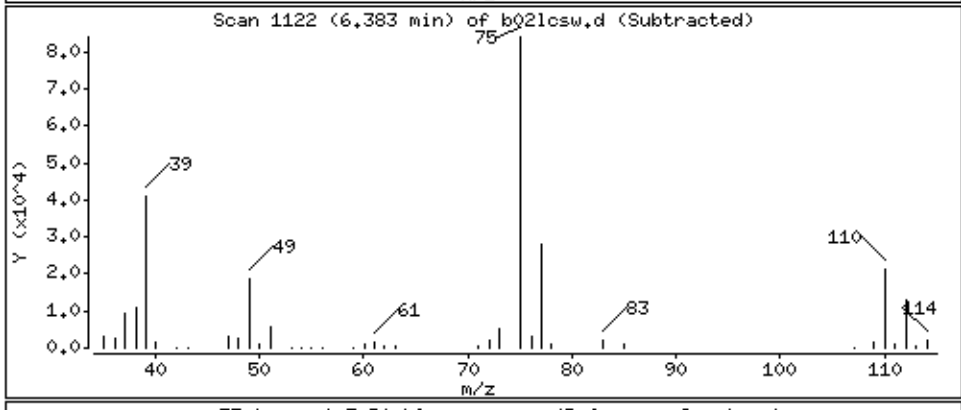
57 trans-1,3-Dichloropropene

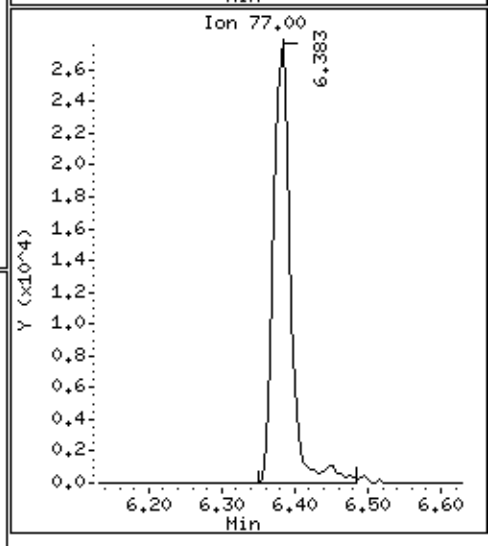
Concentration: 50.5 ppb

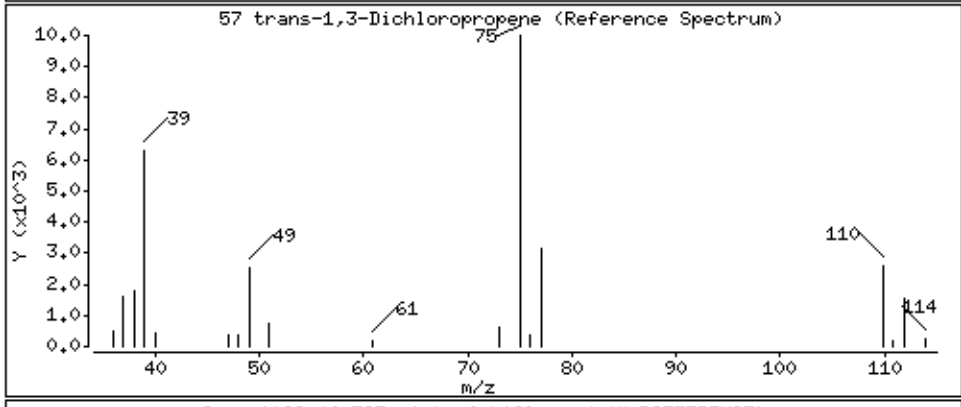
Review Code:

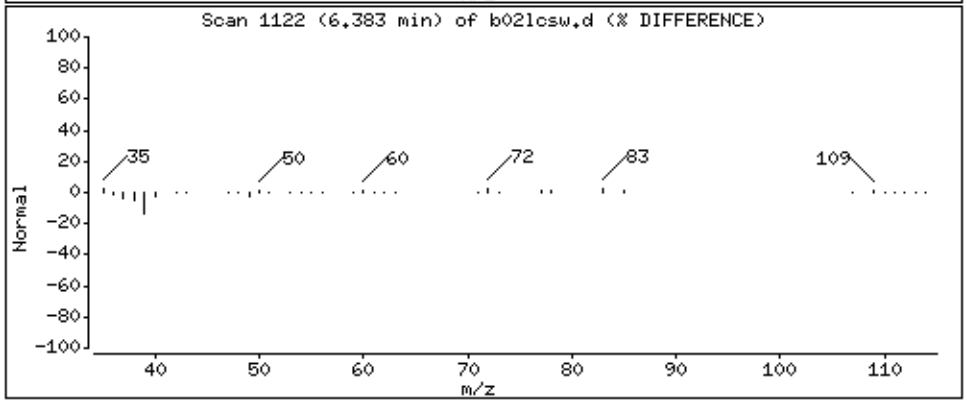












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

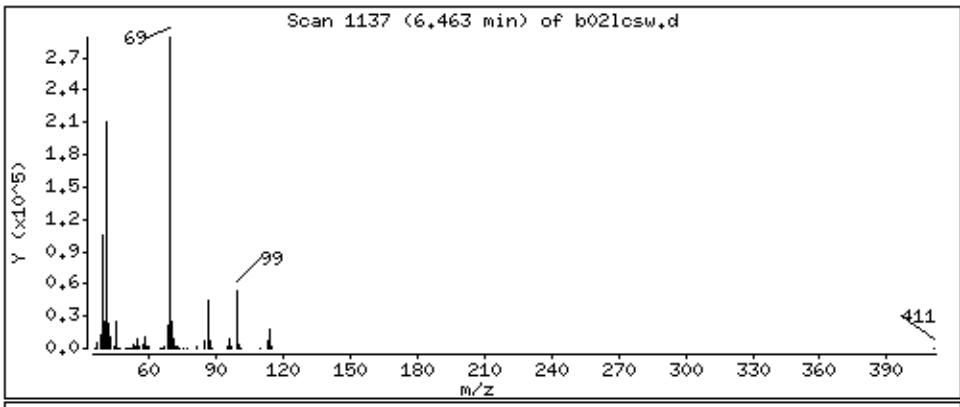
Column phase: DB-624

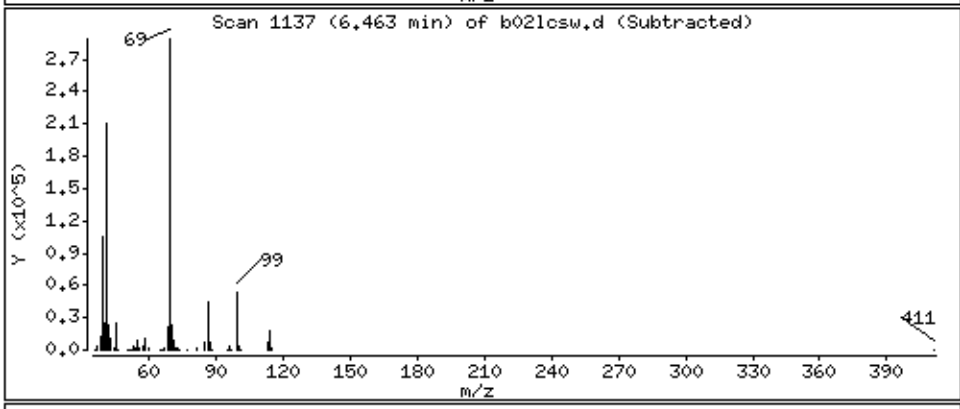
Column diameter: 0.18

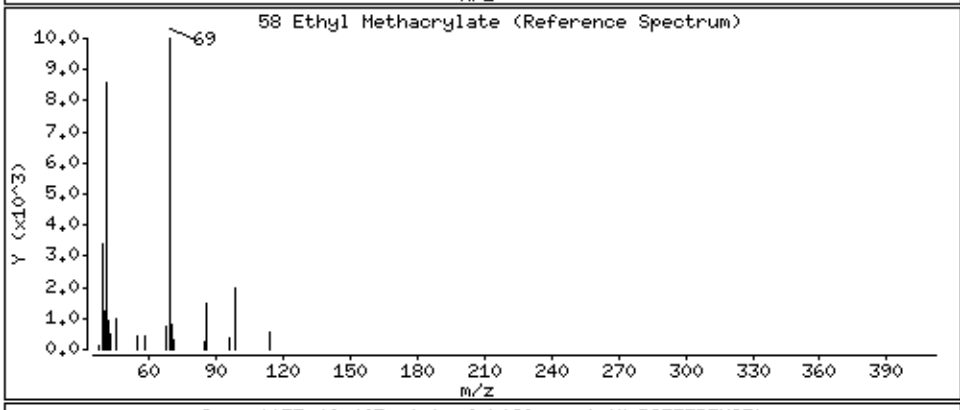
58 Ethyl Methacrylate

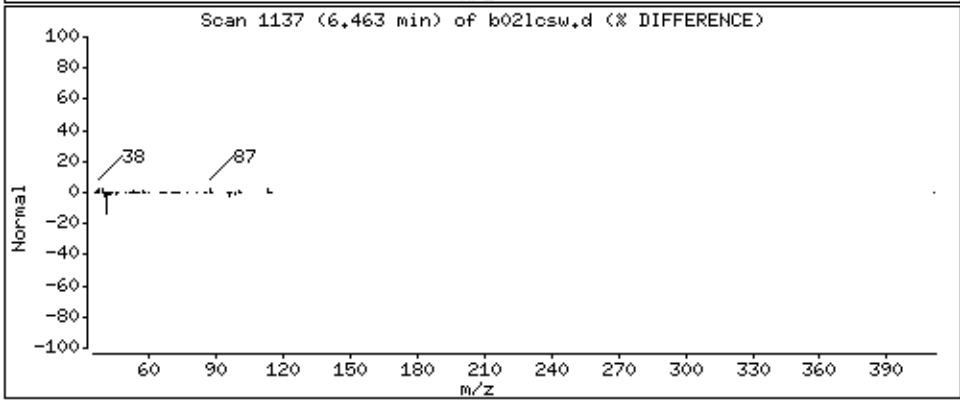
Concentration: 207 ppb

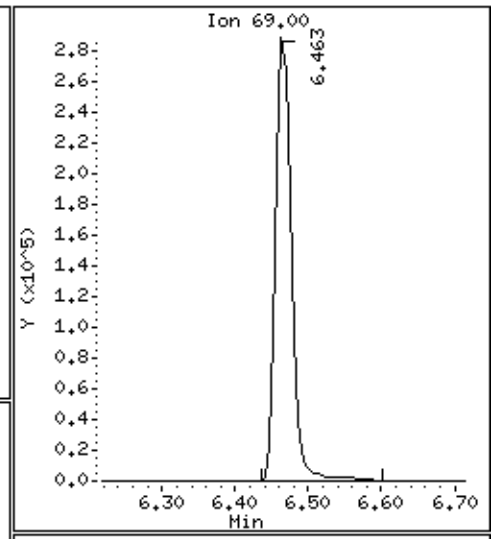
Review Code:

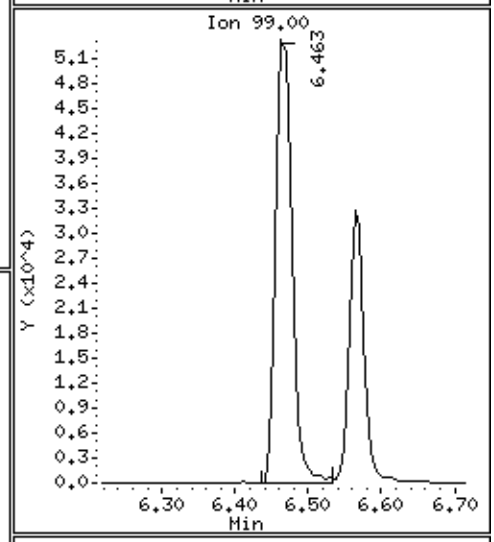


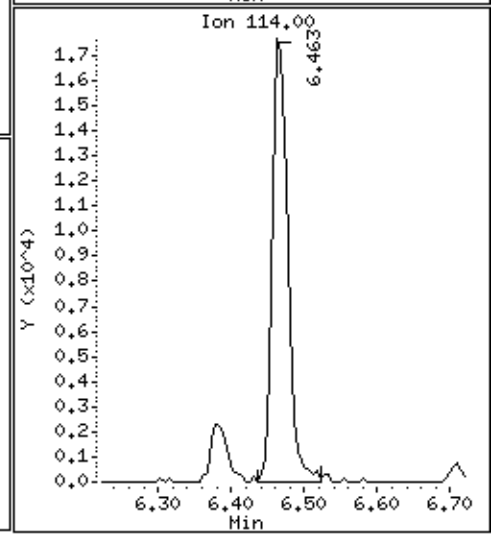












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

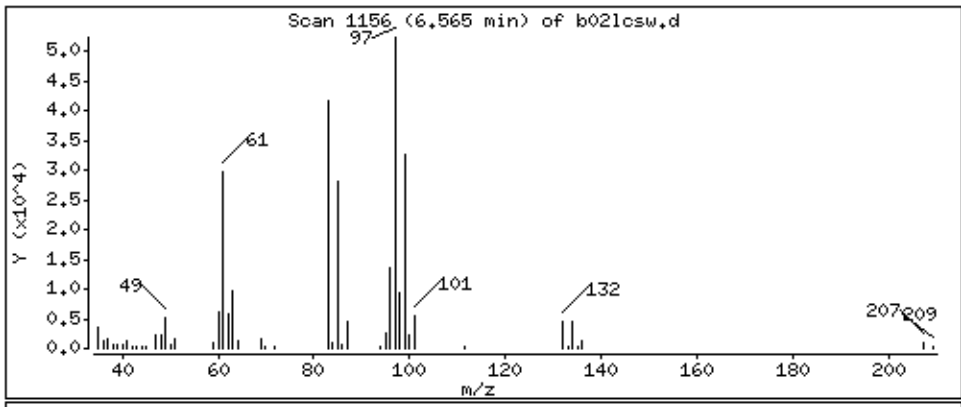
Column phase: DB-624

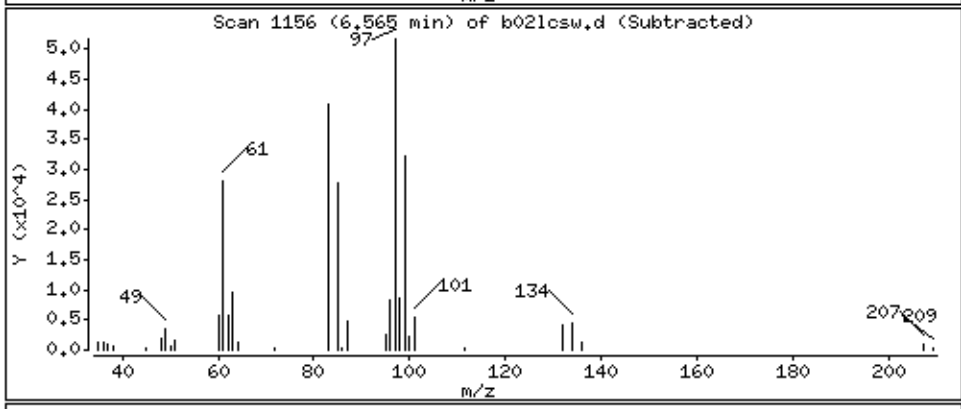
Column diameter: 0.18

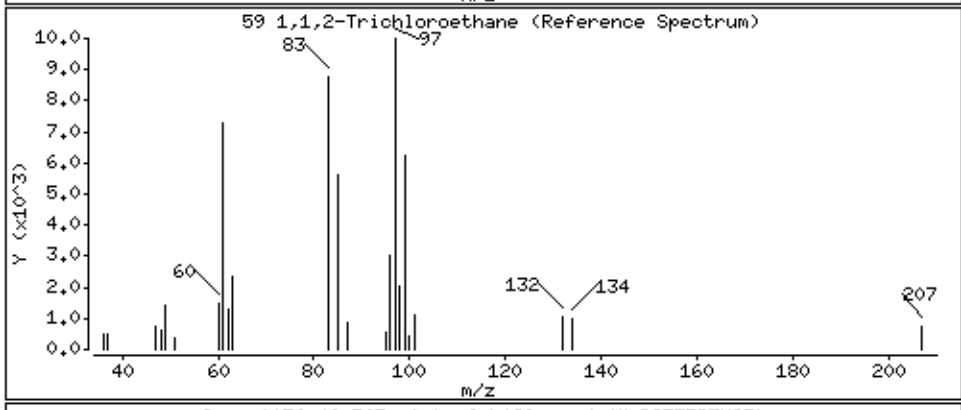
59 1,1,2-Trichloroethane

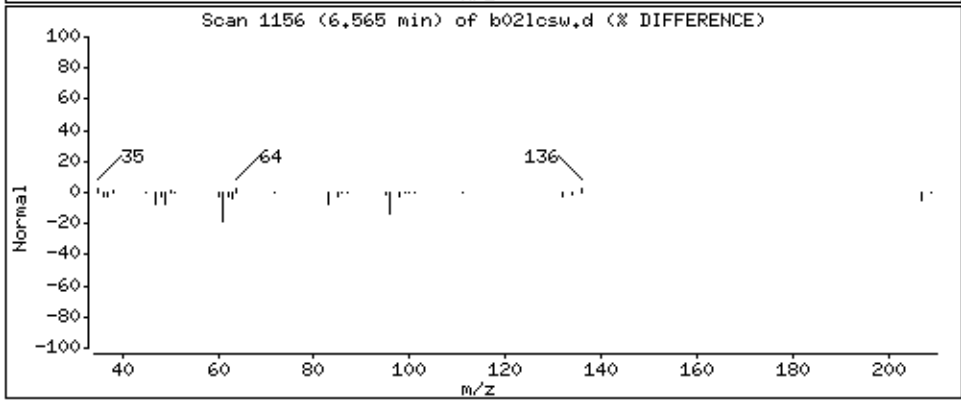
Concentration: 46.8 ppb

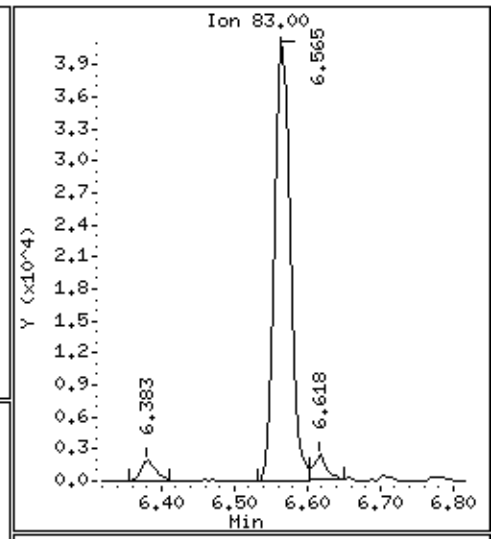
Review Code:

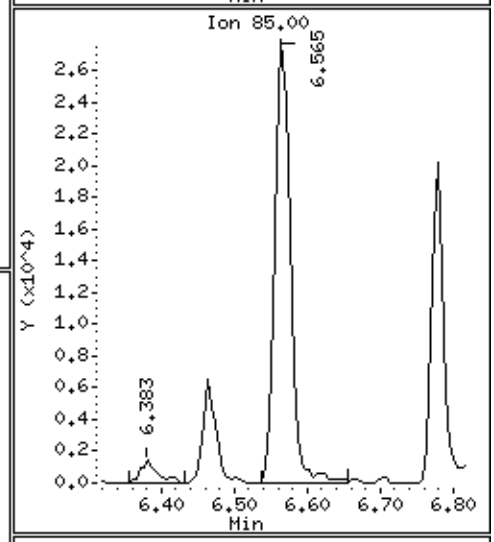


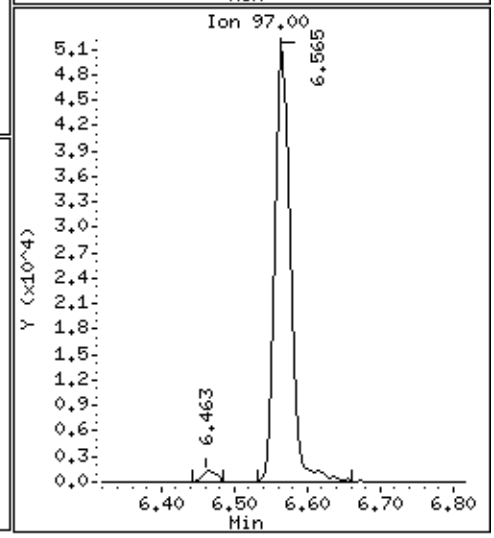












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

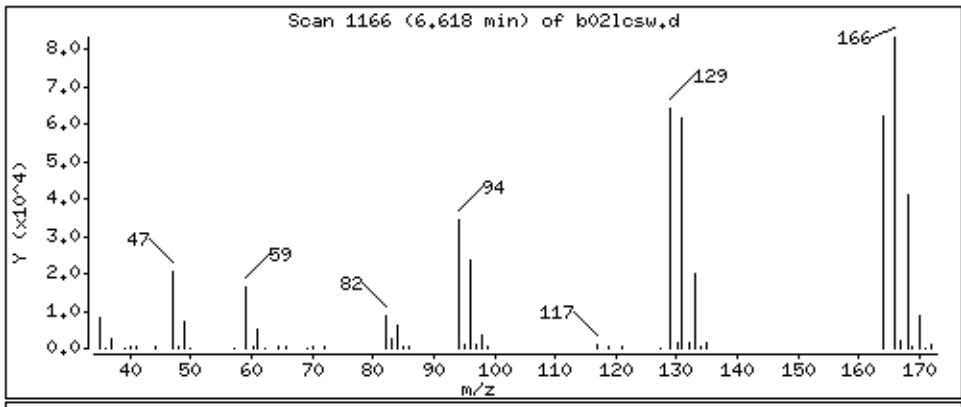
Column phase: DB-624

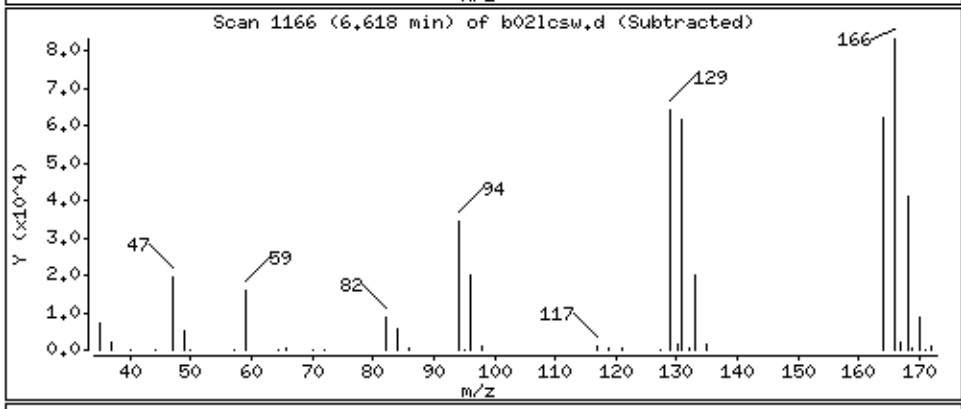
Column diameter: 0.18

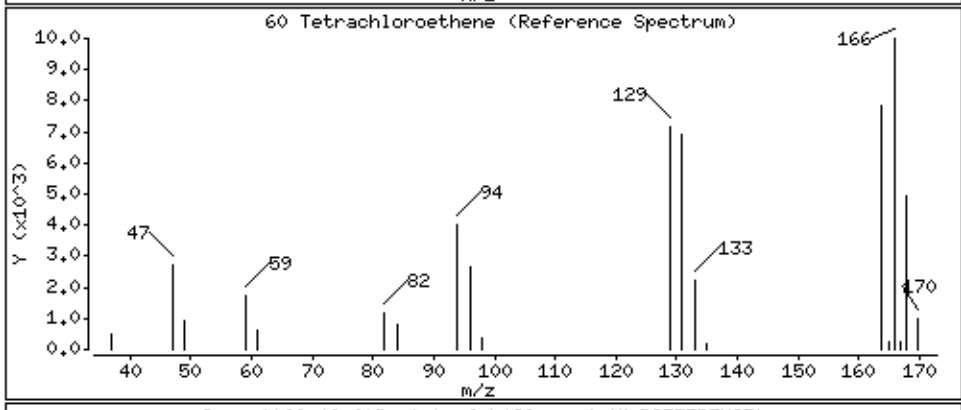
60 Tetrachloroethene

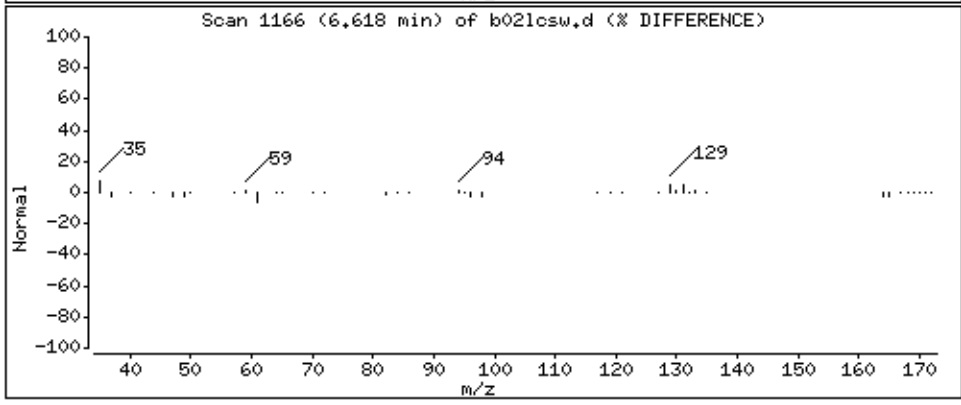
Concentration: 46.2 ppb

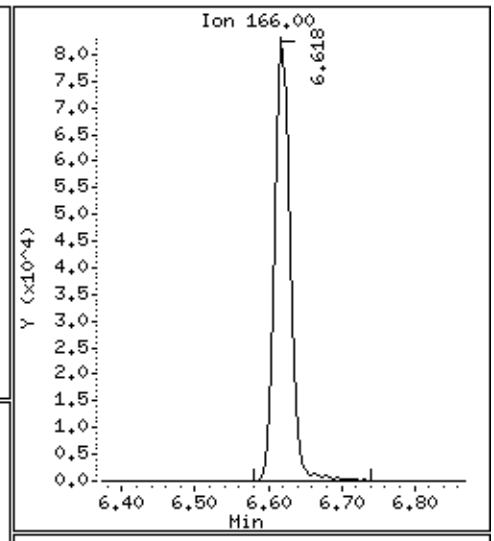
Review Code:

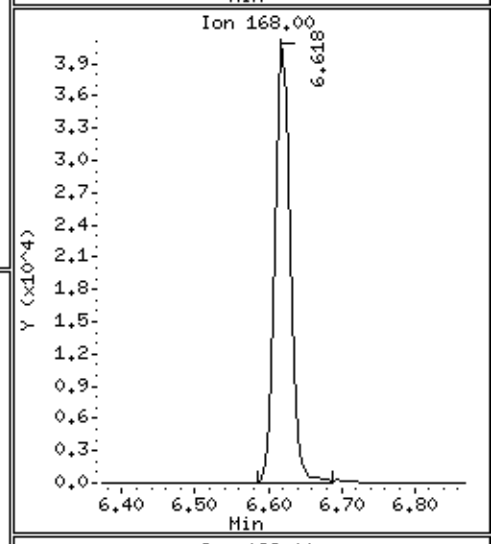


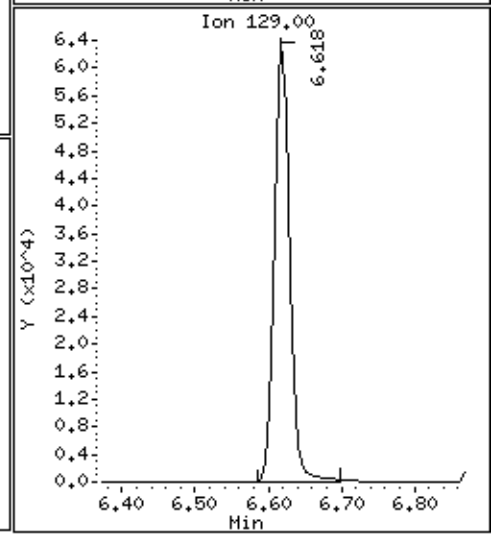












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

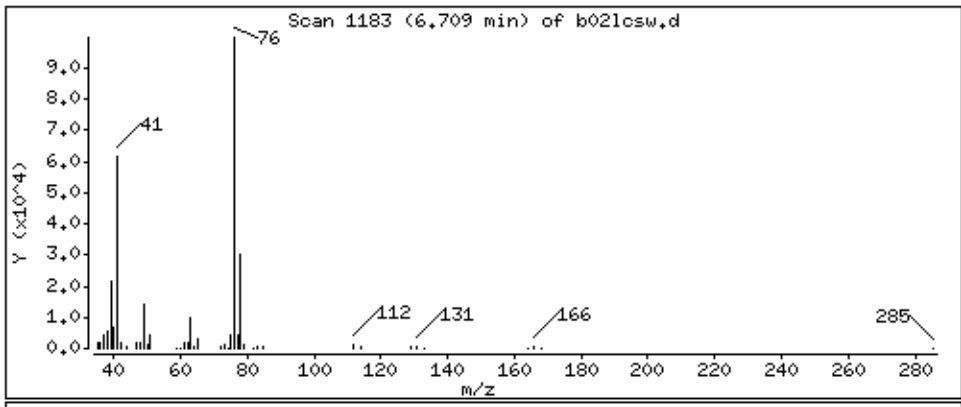
Column phase: DB-624

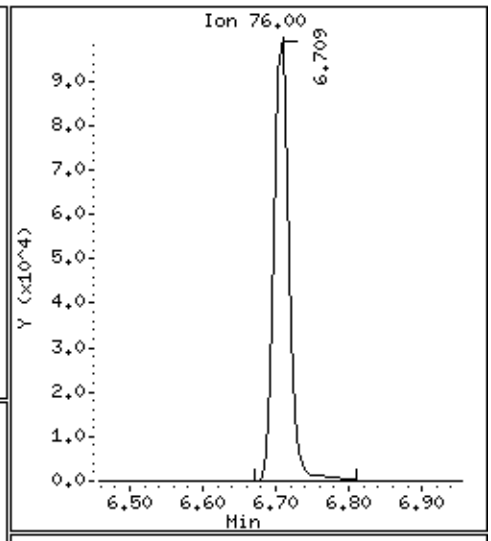
Column diameter: 0.18

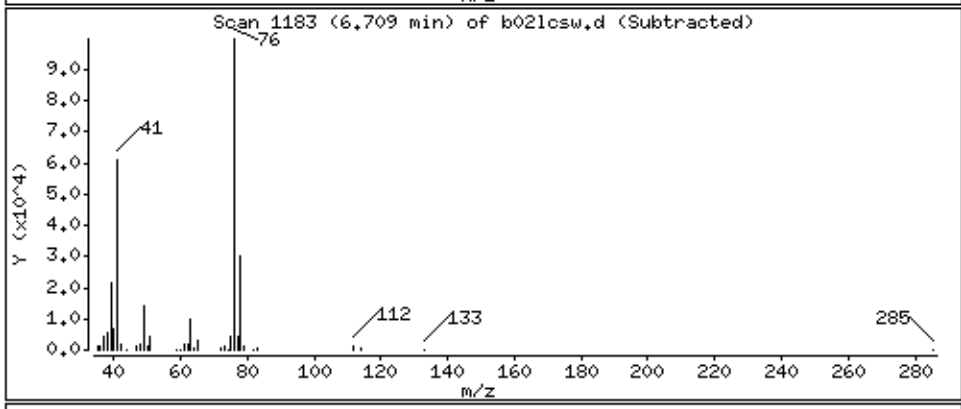
61 1,3-Dichloropropane

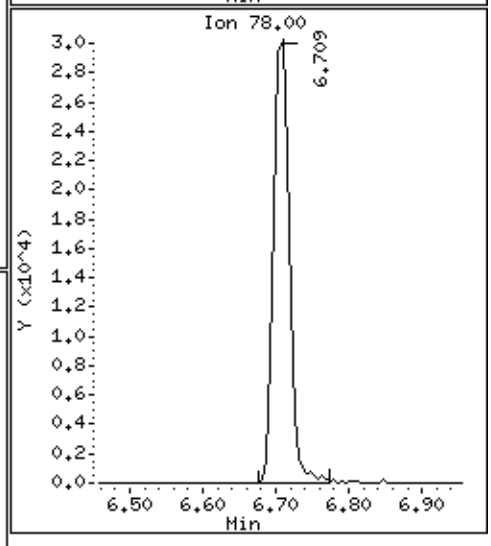
Concentration: 50.4 ppb

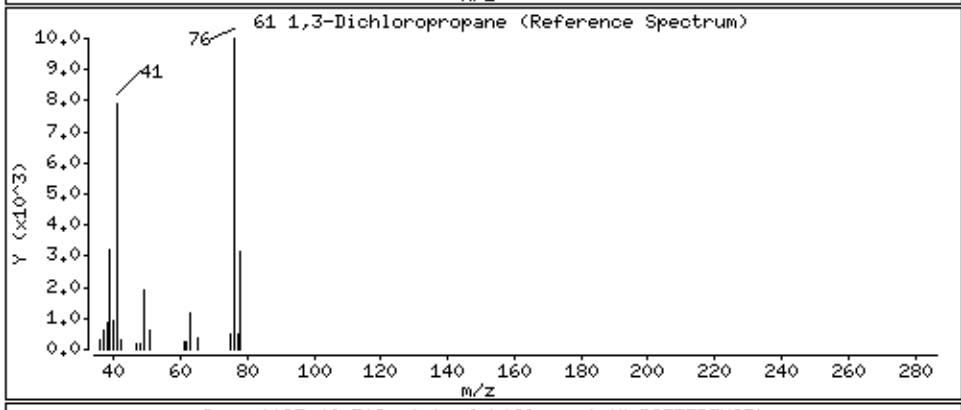
Review Code:

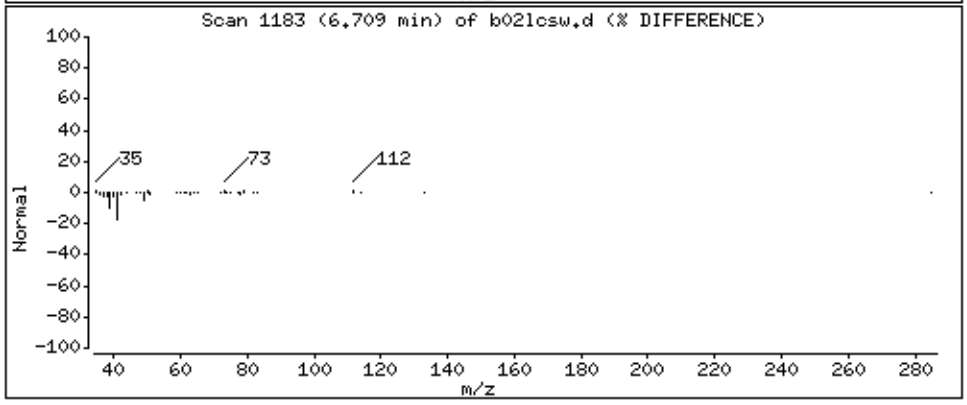












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

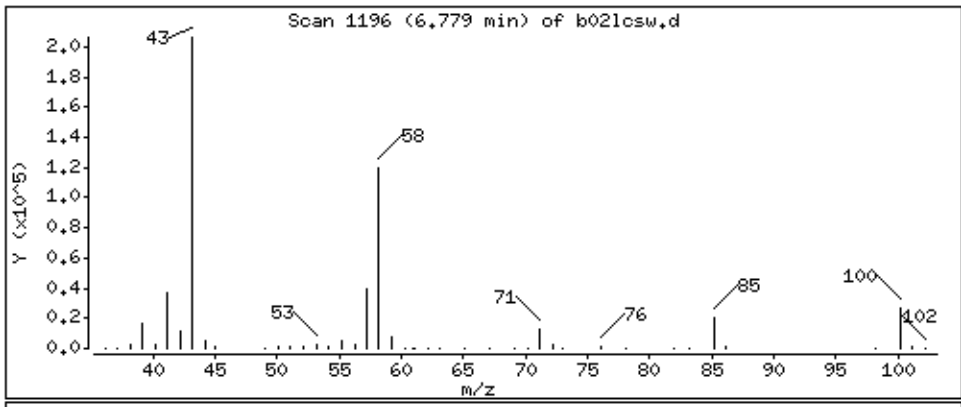
Column phase: DB-624

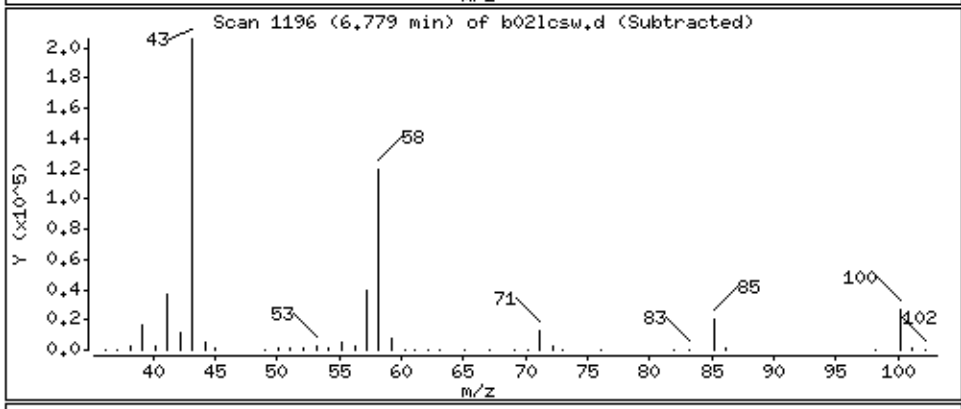
Column diameter: 0.18

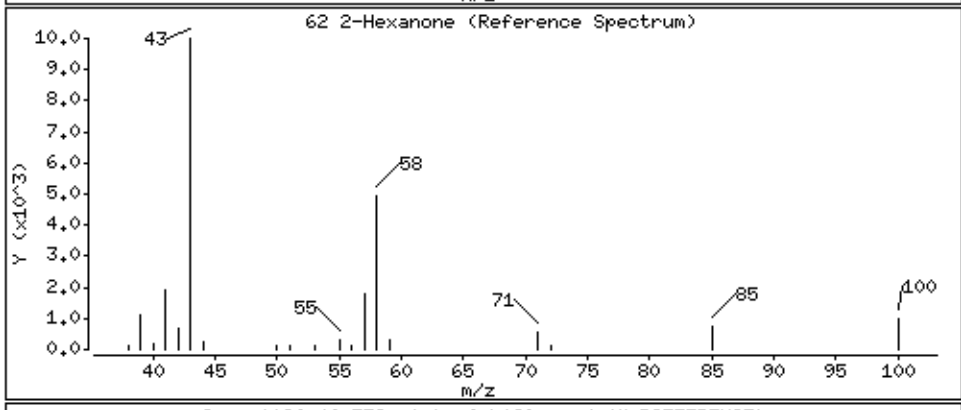
62 2-Hexanone

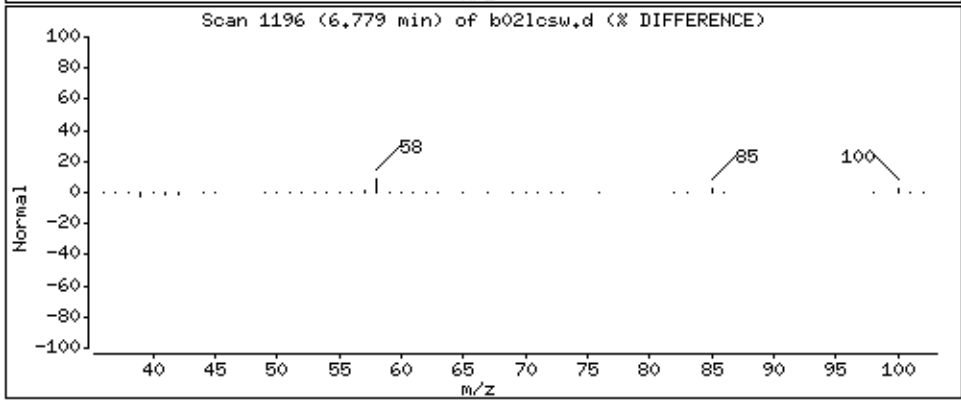
Concentration: 297 ppb

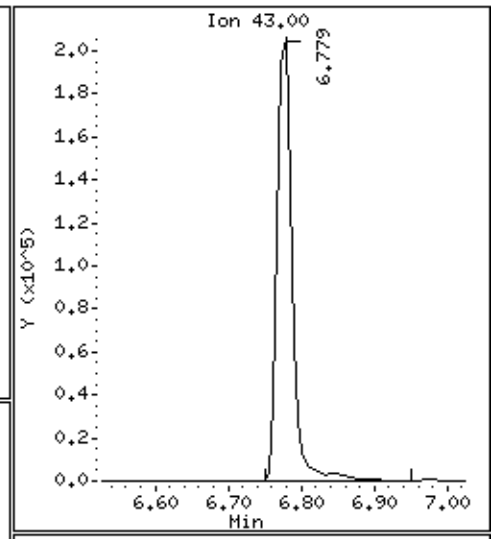
Review Code:

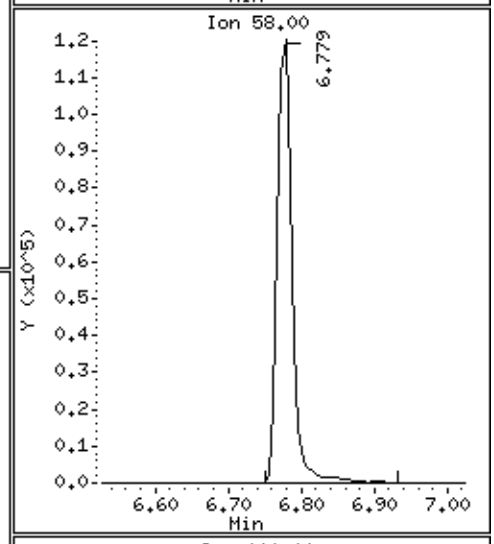


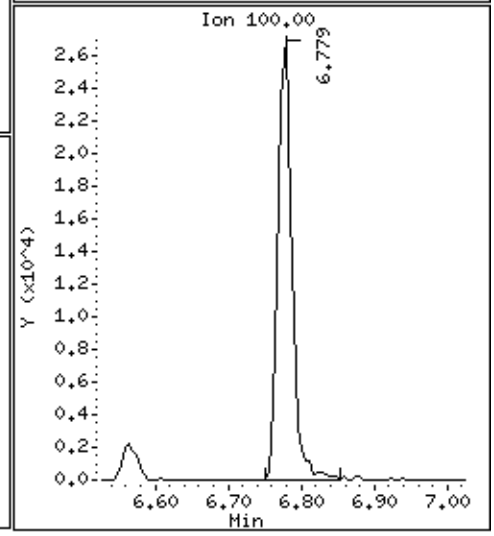












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

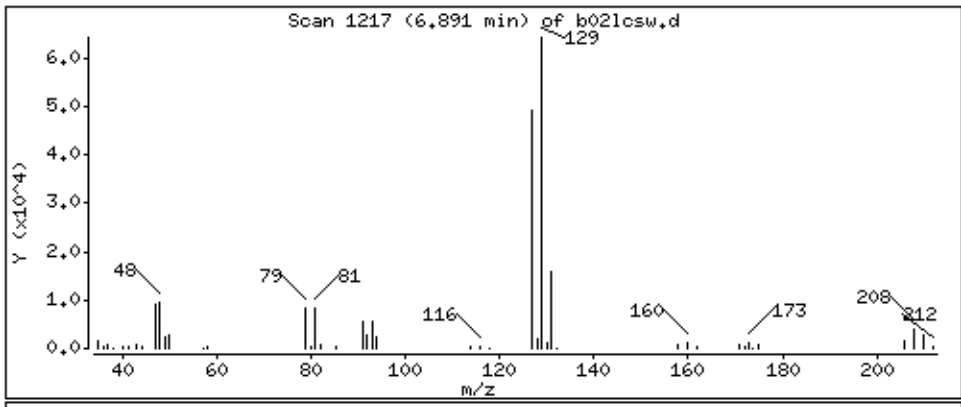
Column phase: DB-624

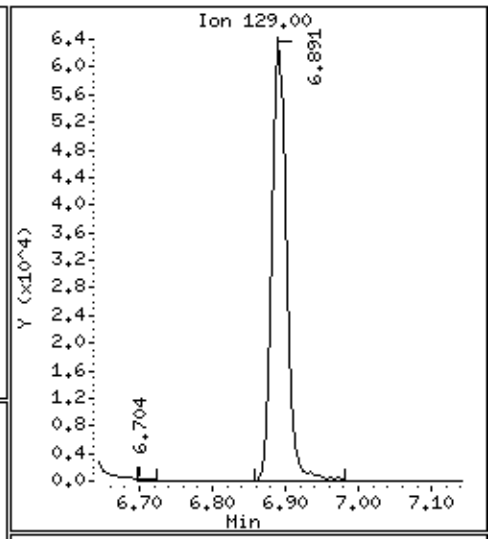
Column diameter: 0.18

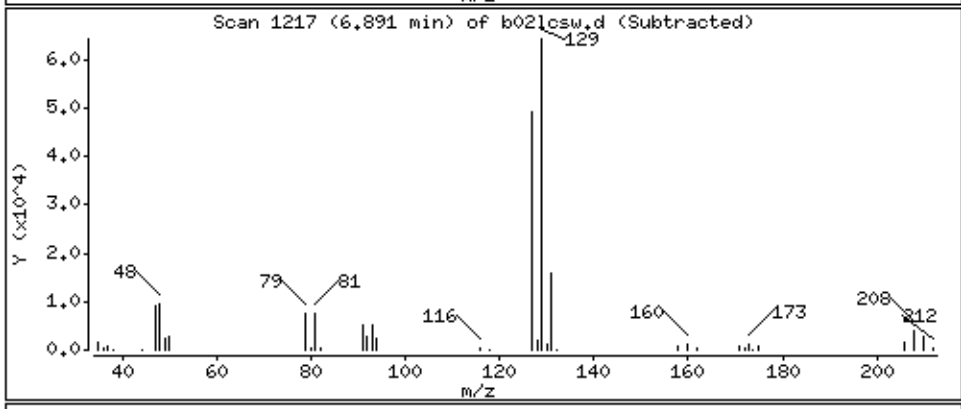
63 Dibromochloromethane

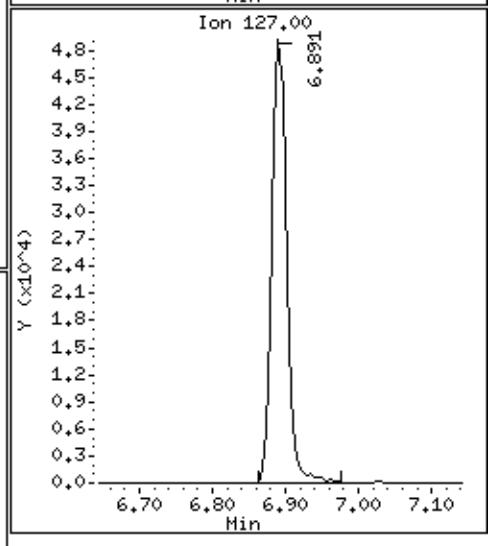
Concentration: 45.7 ppb

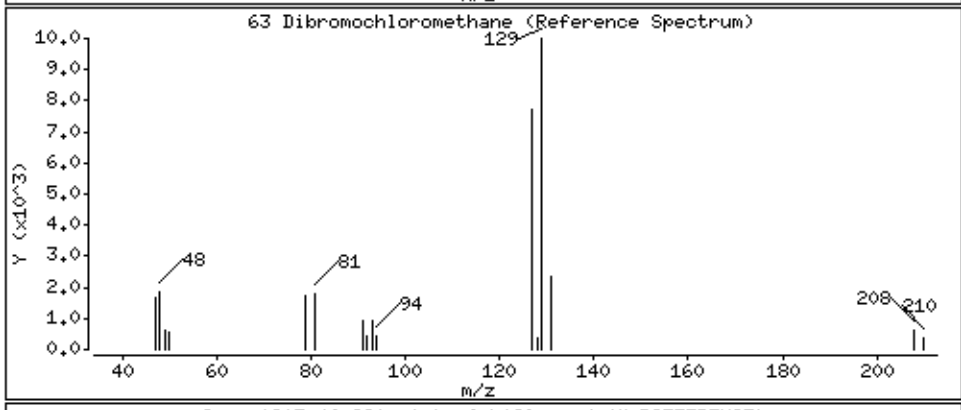
Review Code:

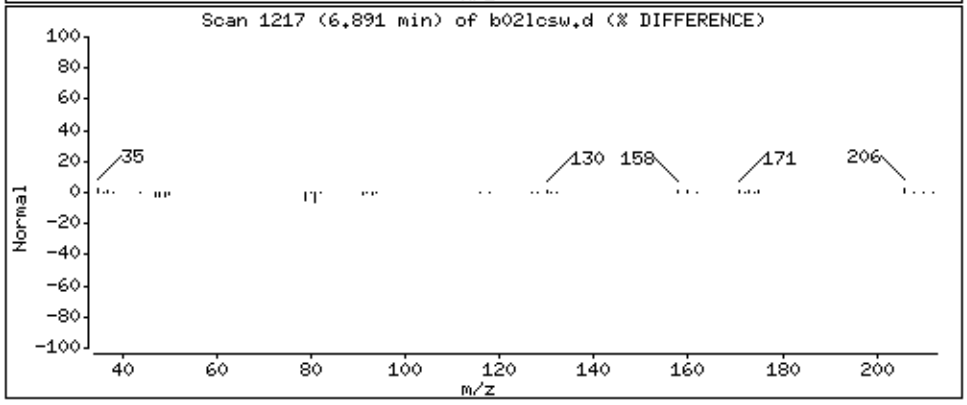












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

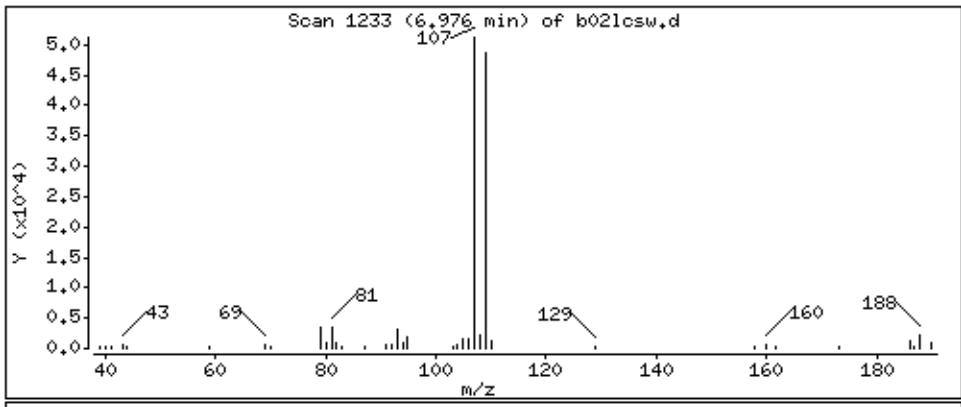
Column phase: DB-624

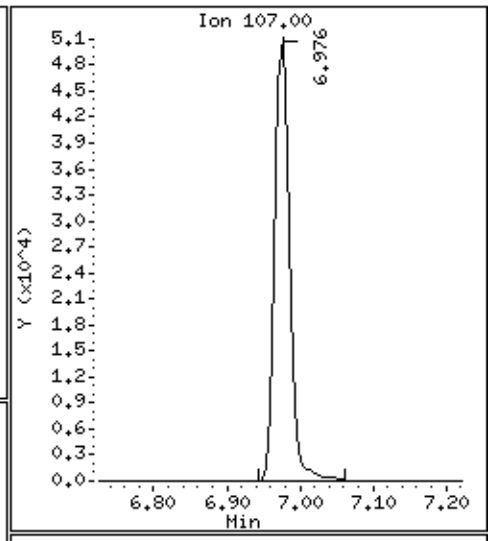
Column diameter: 0.18

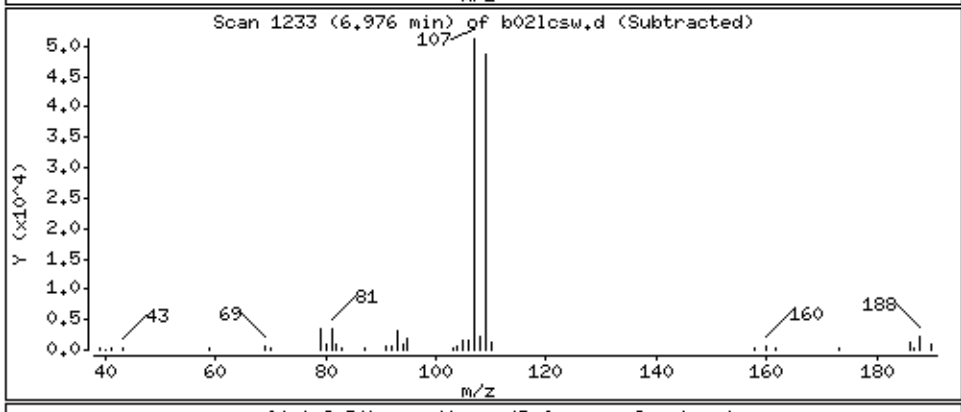
64 1,2-Dibromoethane

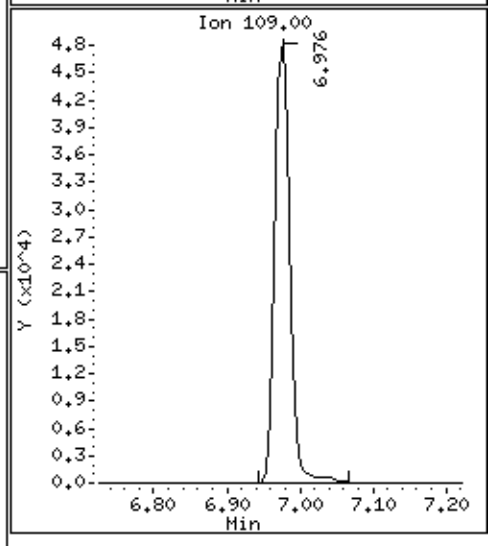
Concentration: 48.1 ppb

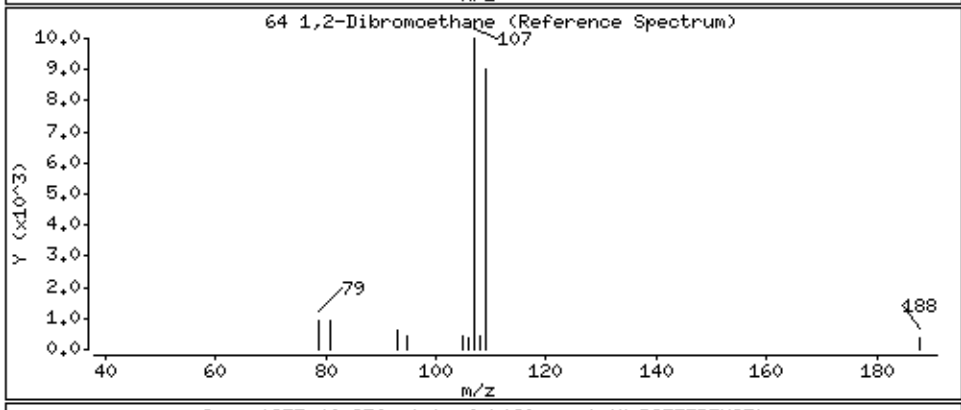
Review Code:

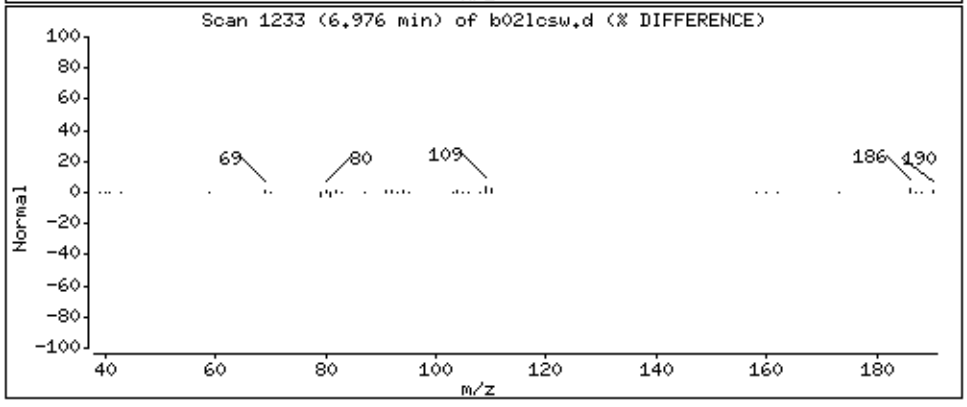












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

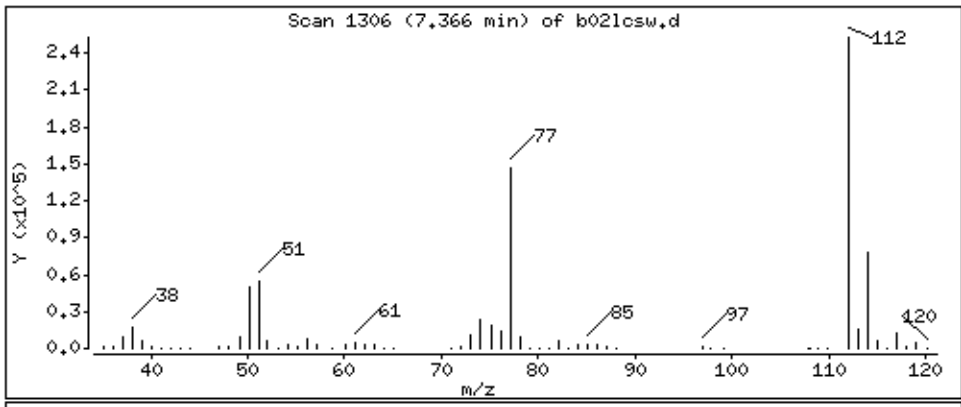
Column phase: DB-624

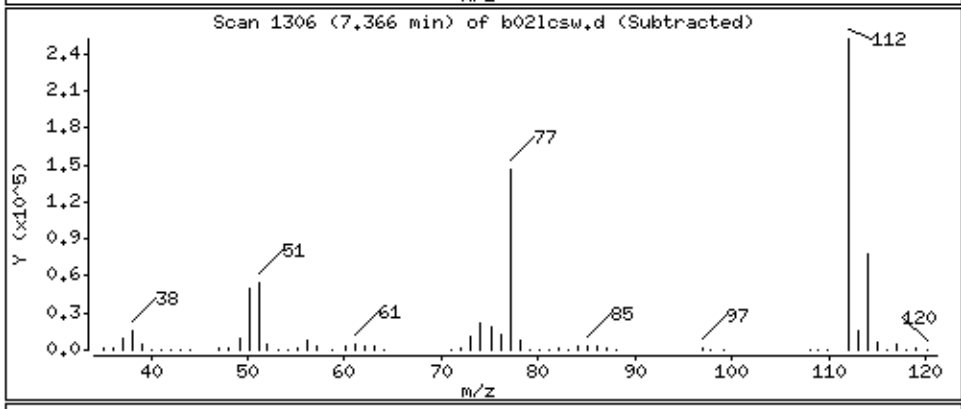
Column diameter: 0.18

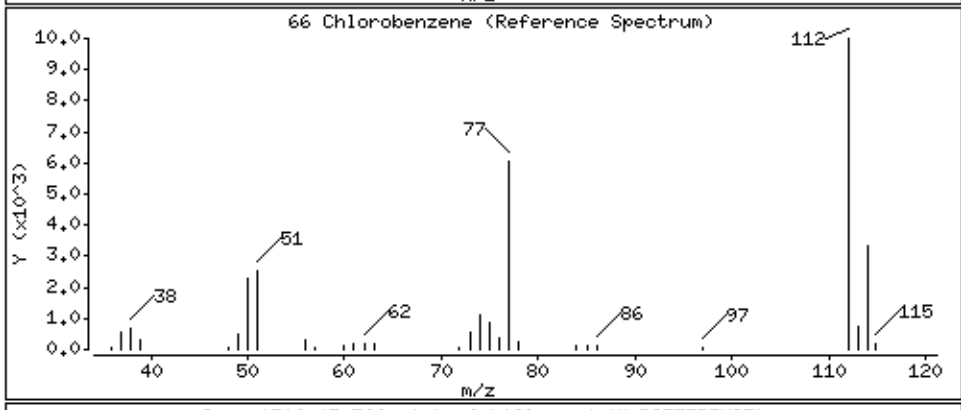
66 Chlorobenzene

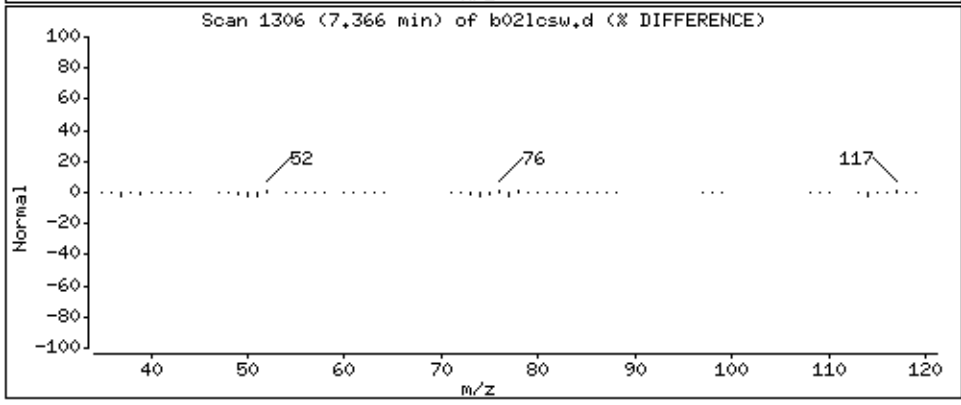
Concentration: 46.8 ppb

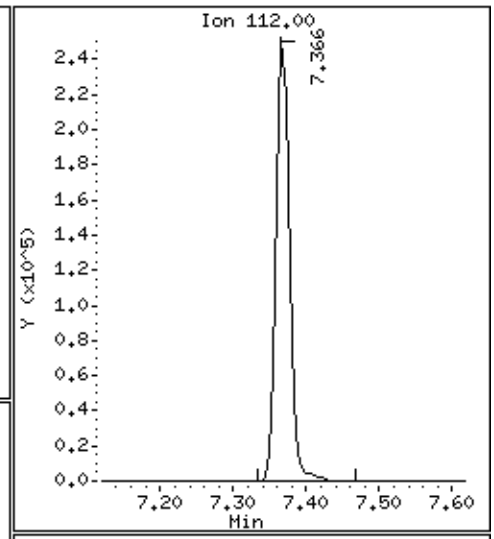
Review Code:

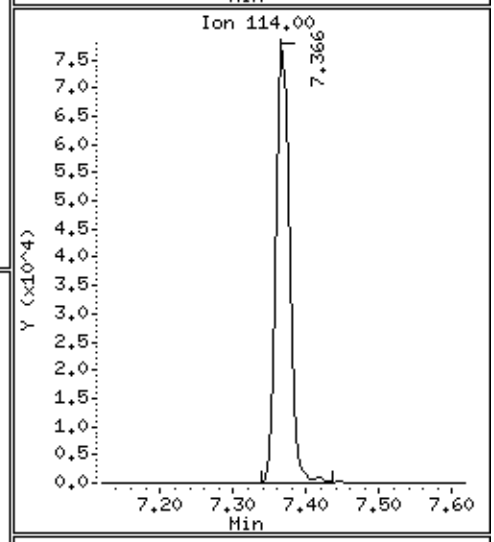


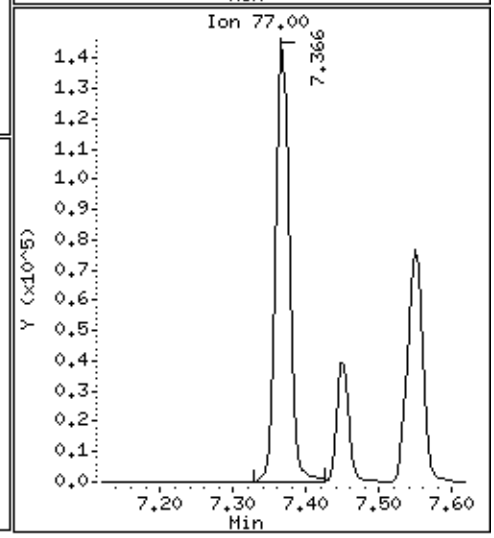












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

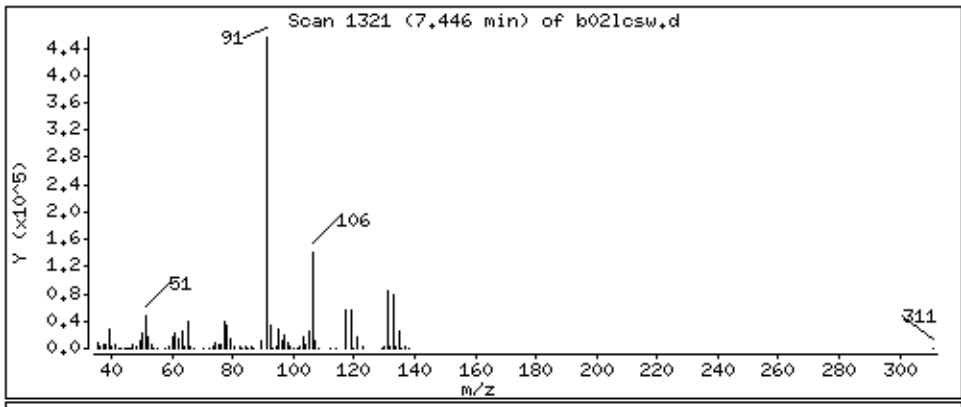
Column phase: DB-624

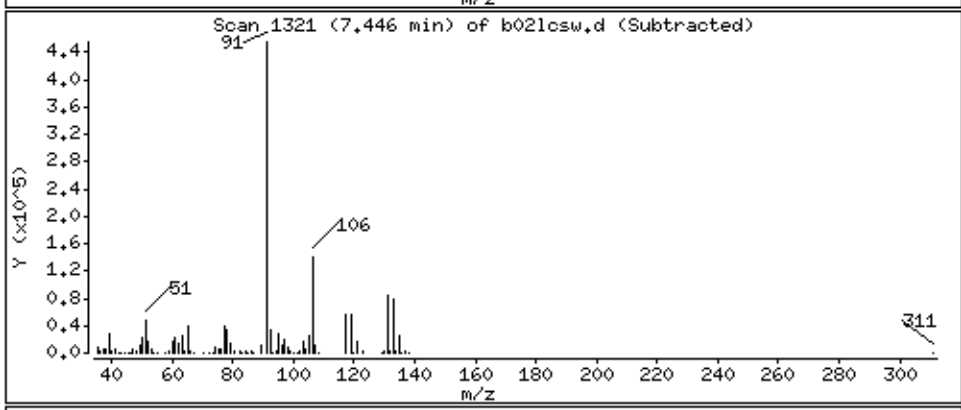
Column diameter: 0.18

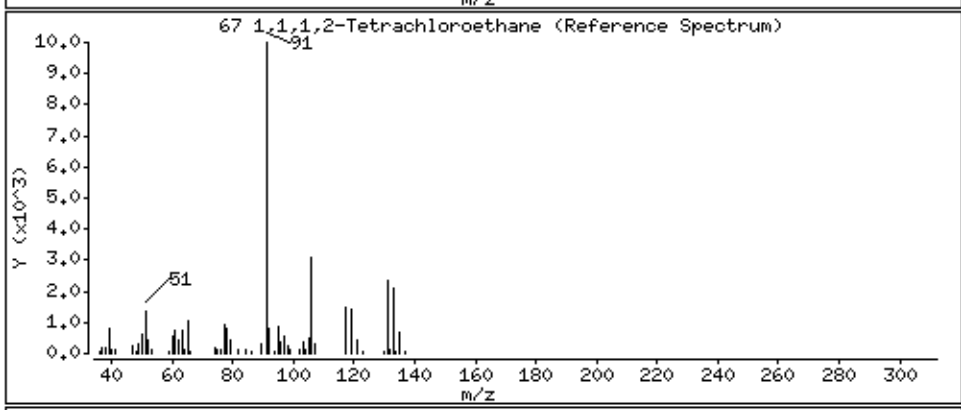
67 1,1,1,2-Tetrachloroethane

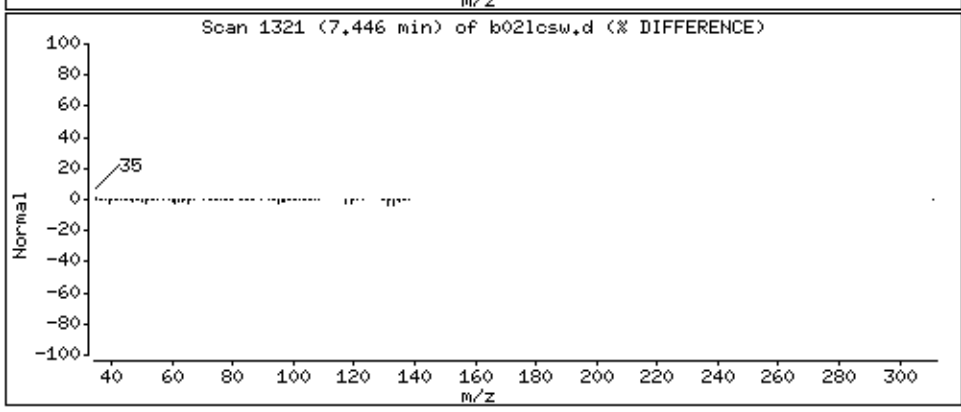
Concentration: 49.9 ppb

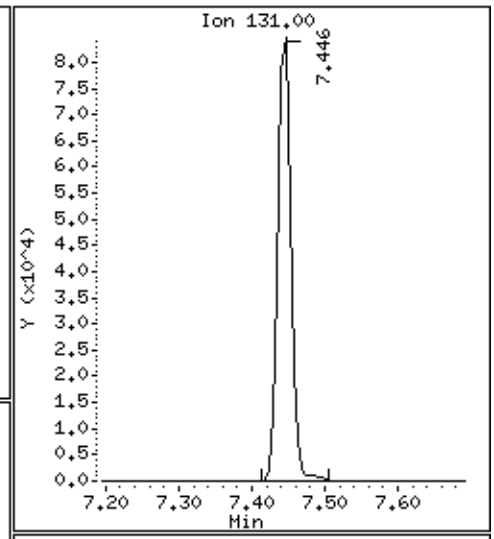
Review Code:

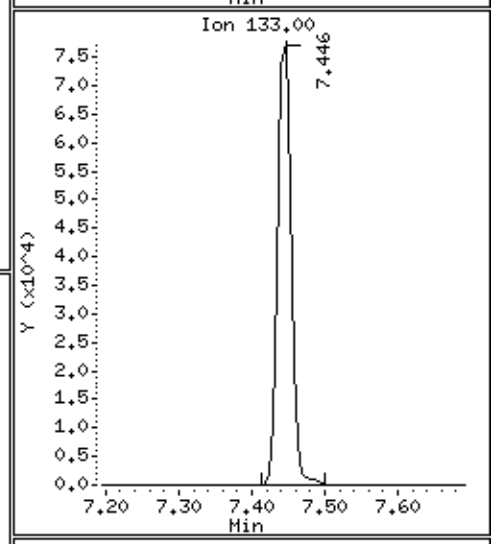


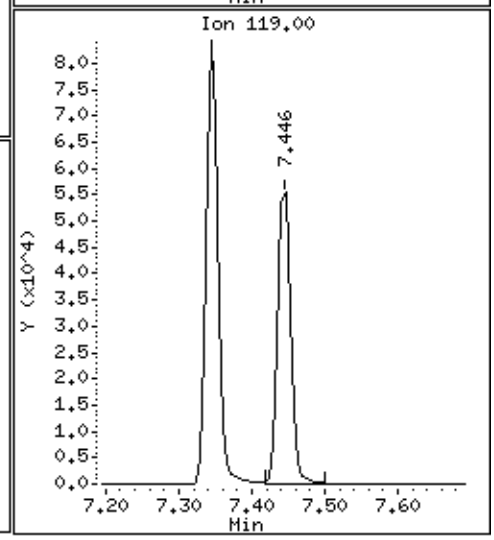












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

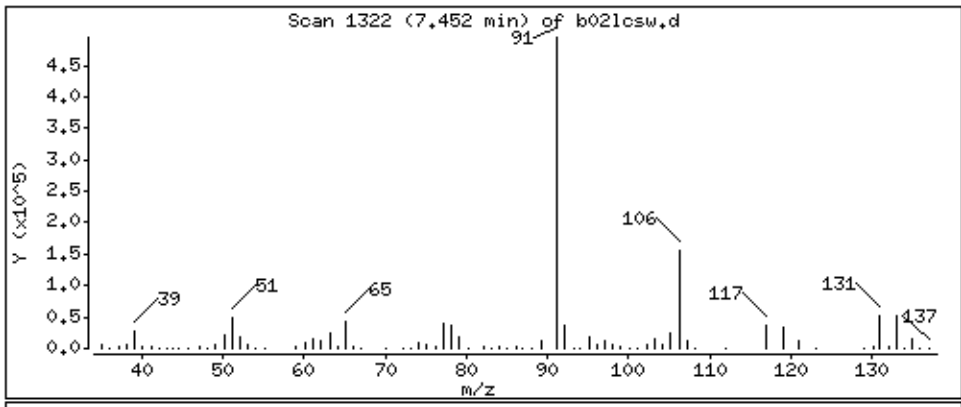
Column phase: DB-624

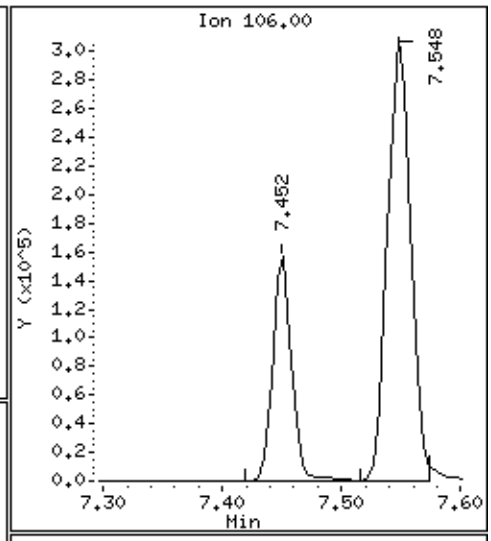
Column diameter: 0.18

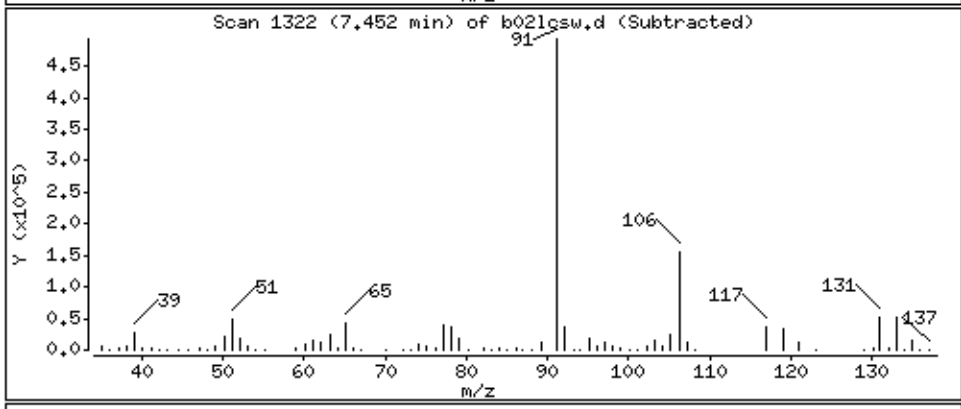
68 Ethylbenzene

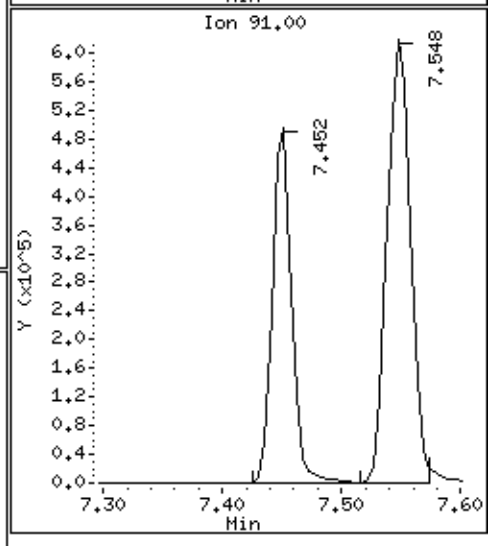
Concentration: 50.8 ppb

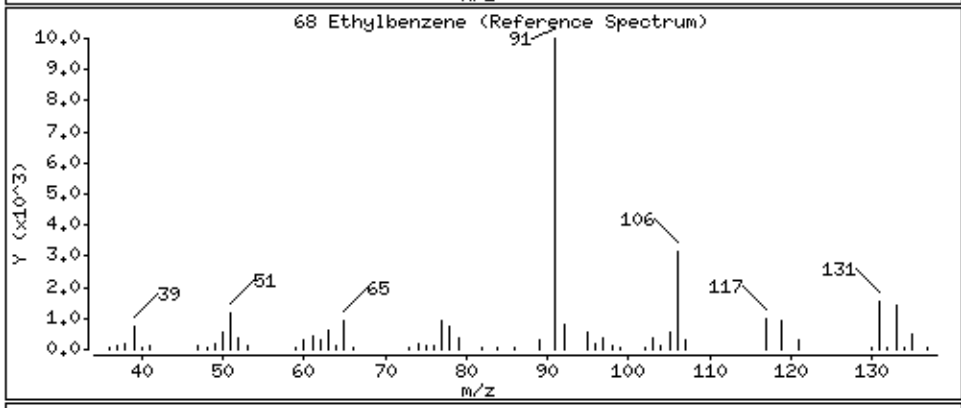
Review Code:

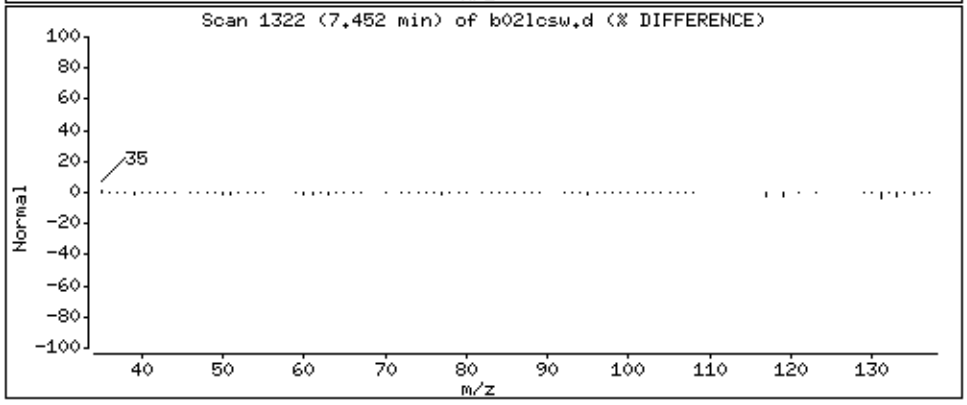












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

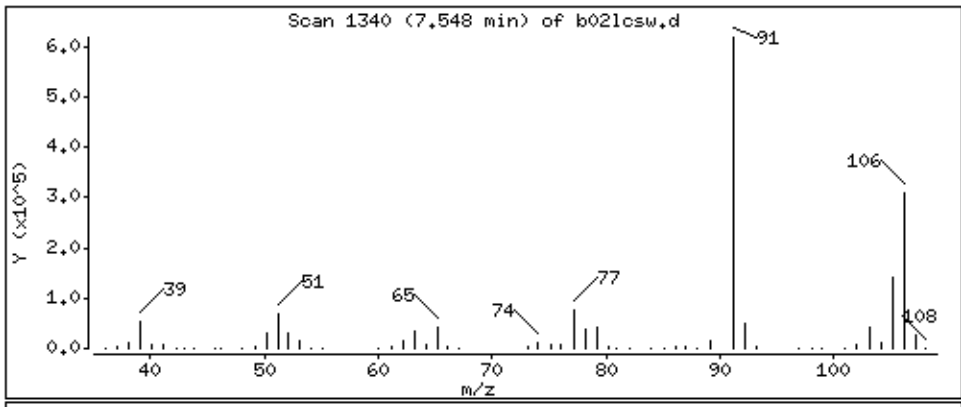
Column phase: DB-624

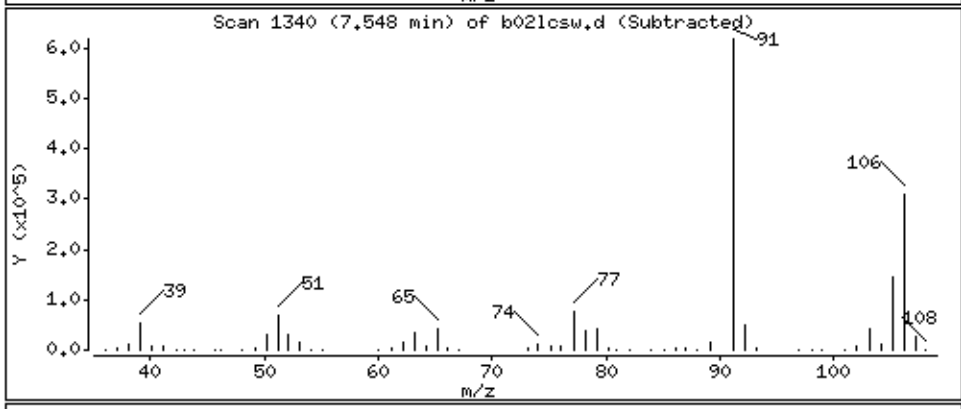
Column diameter: 0.18

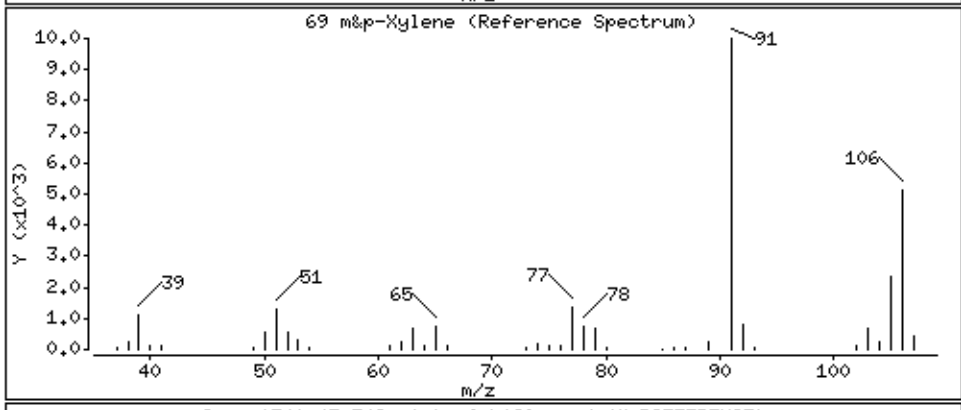
69 m&p-Xylene

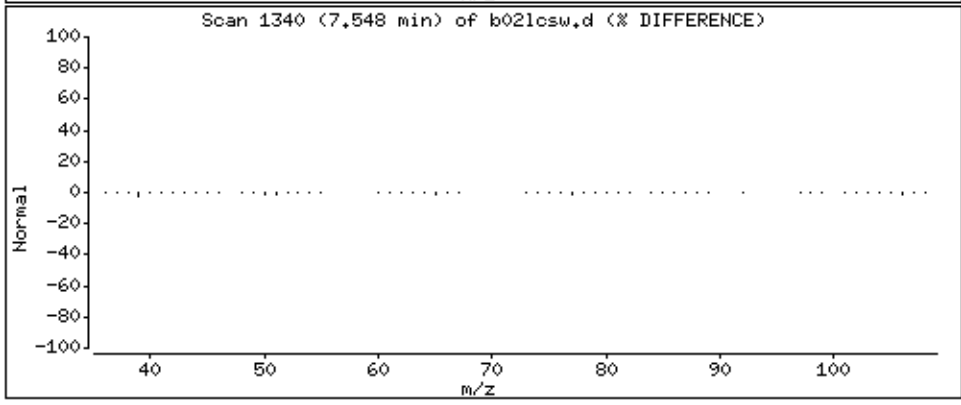
Concentration: 100 ppb

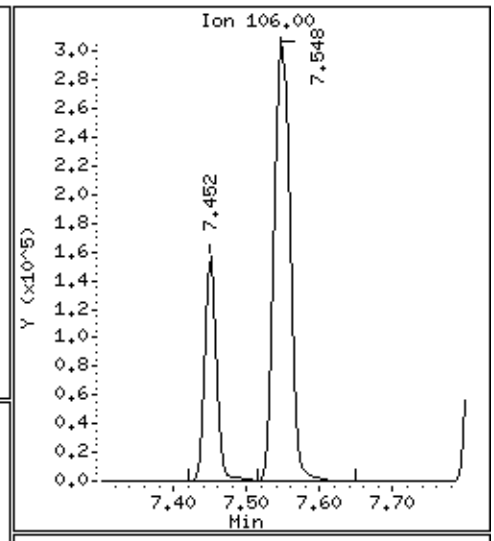
Review Code:

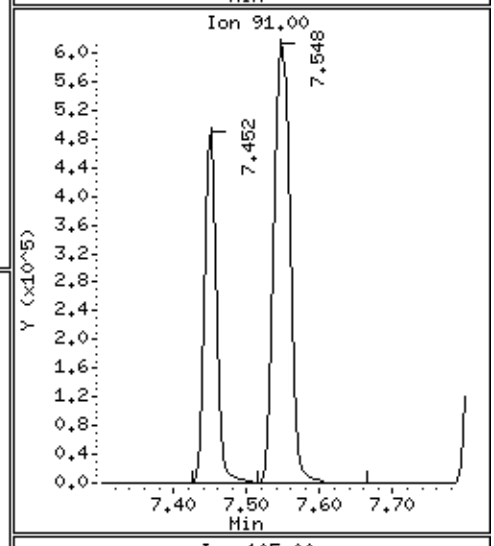


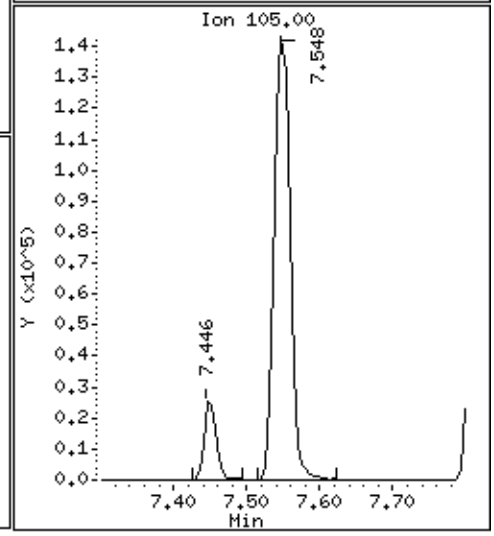












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

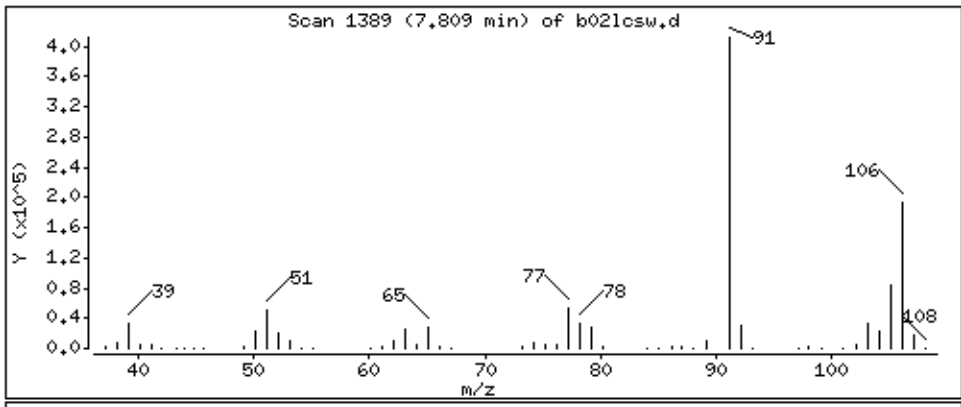
Column phase: DB-624

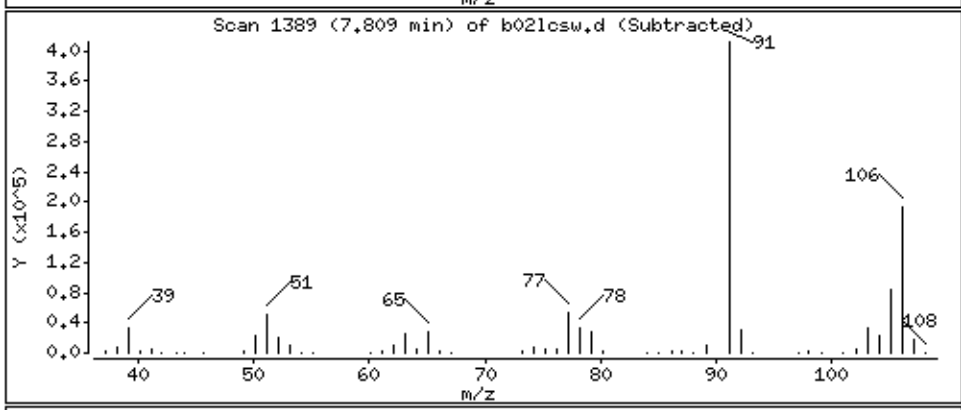
Column diameter: 0.18

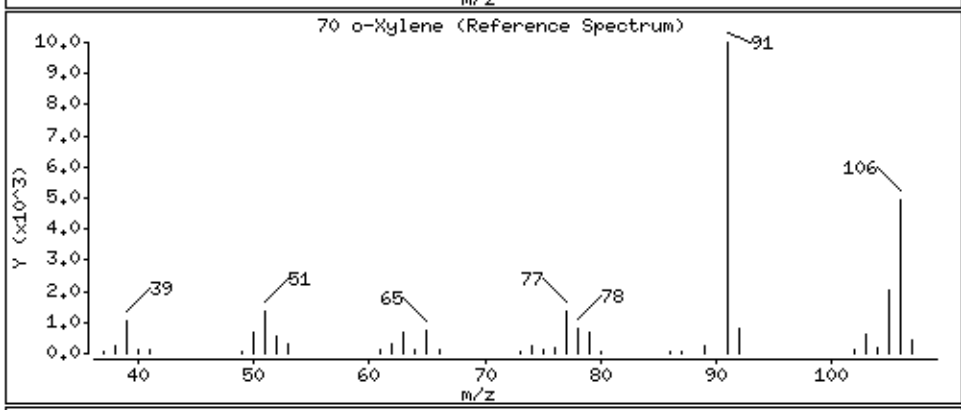
70 o-Xylene

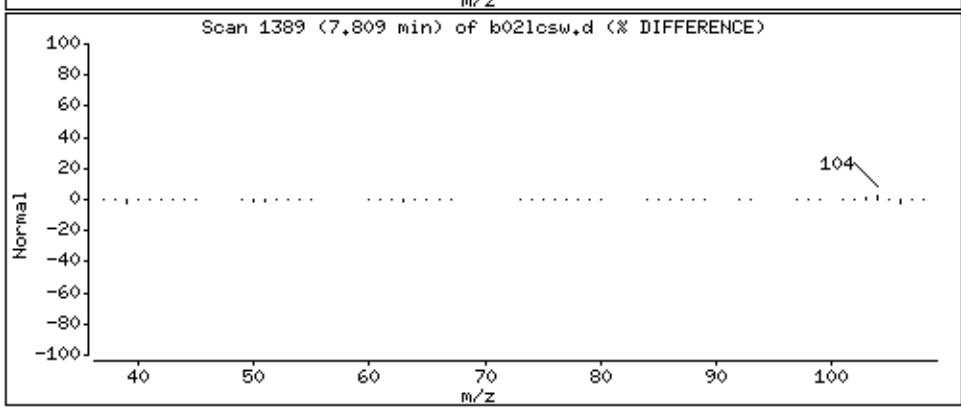
Concentration: 51.6 ppb

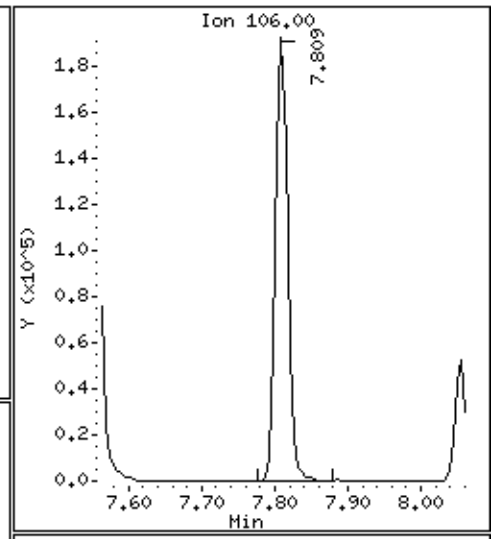
Review Code:

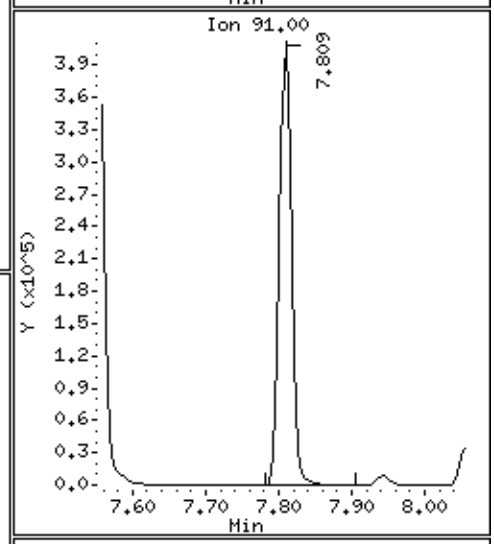


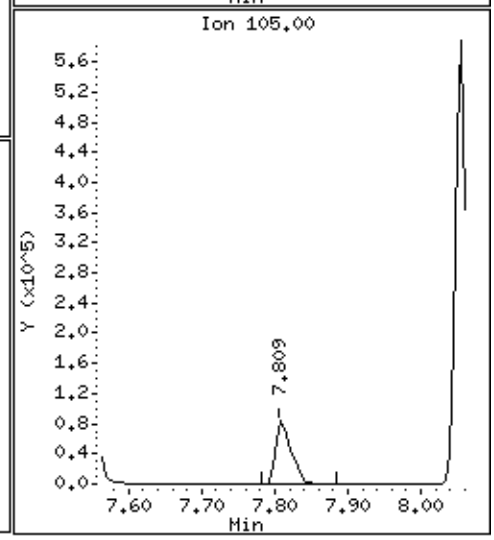












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

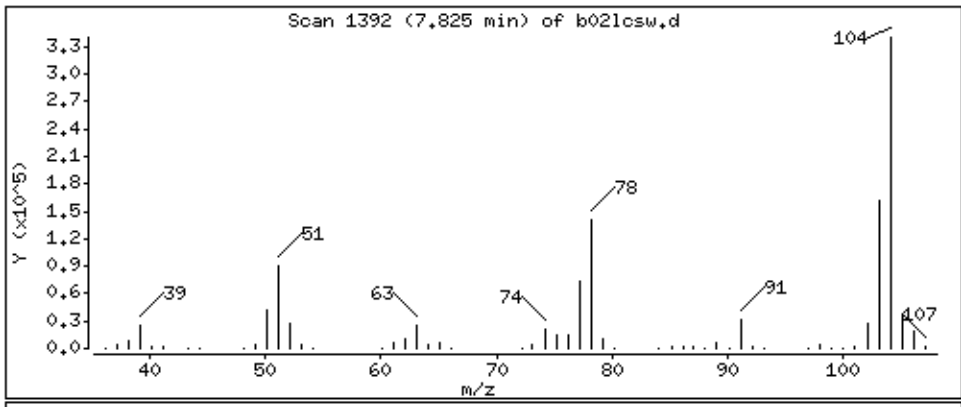
Column phase: DB-624

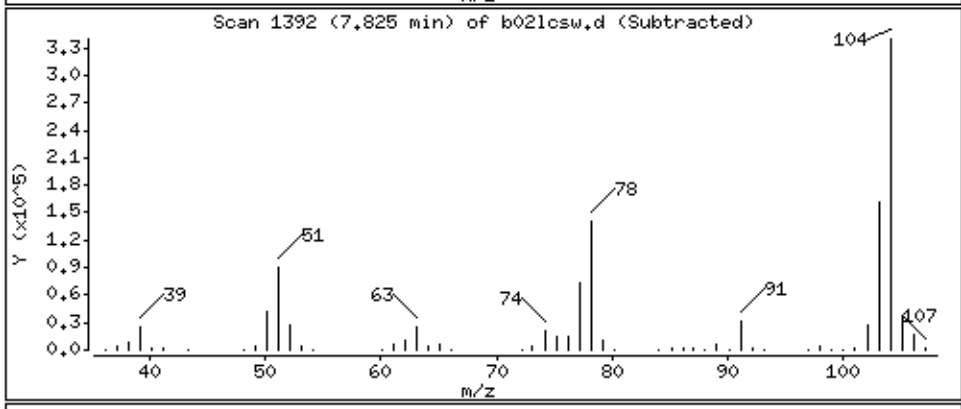
Column diameter: 0.18

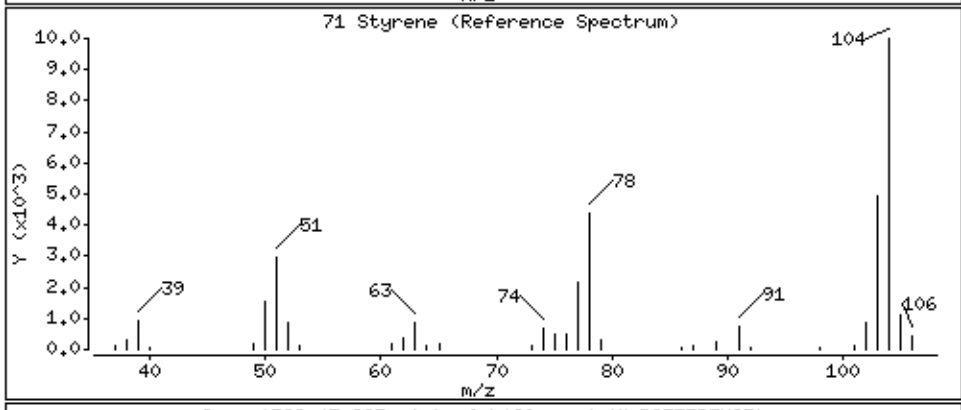
71 Styrene

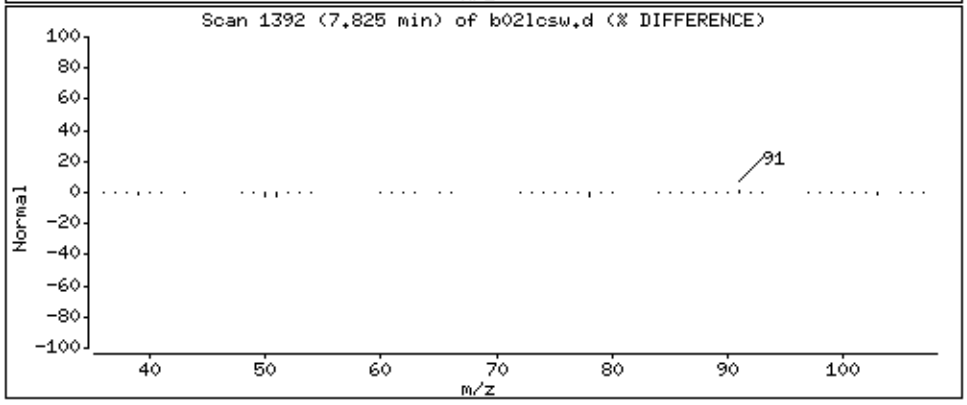
Concentration: 52.2 ppb

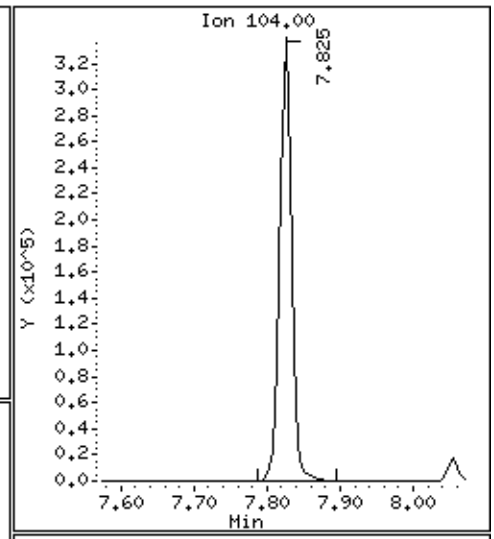
Review Code:

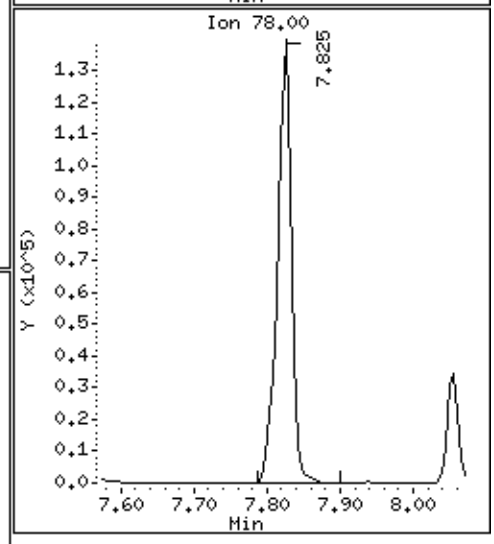












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

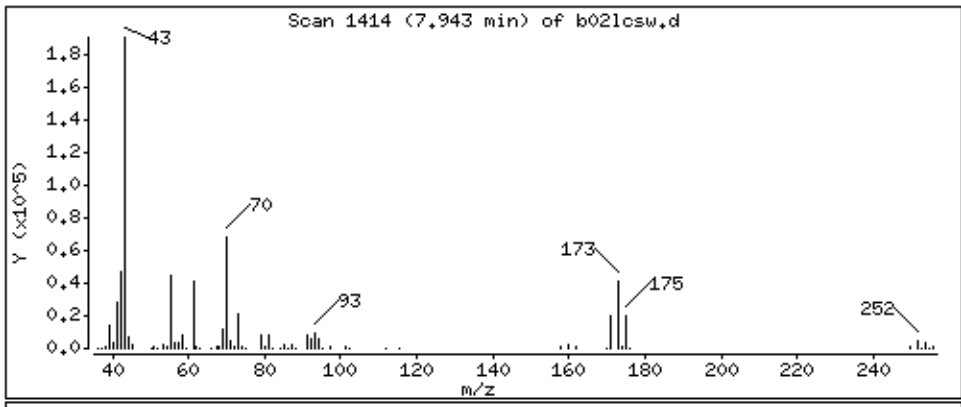
Column phase: DB-624

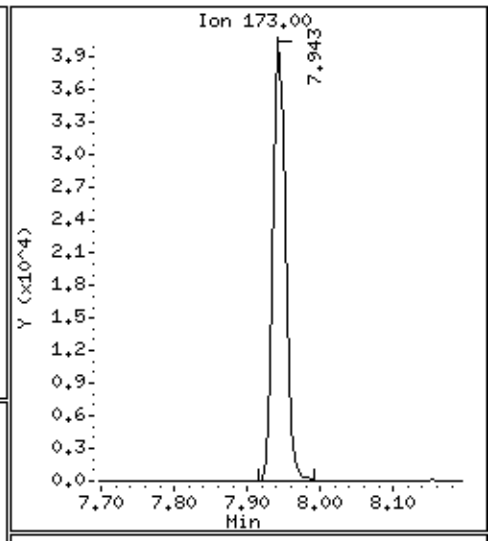
Column diameter: 0.18

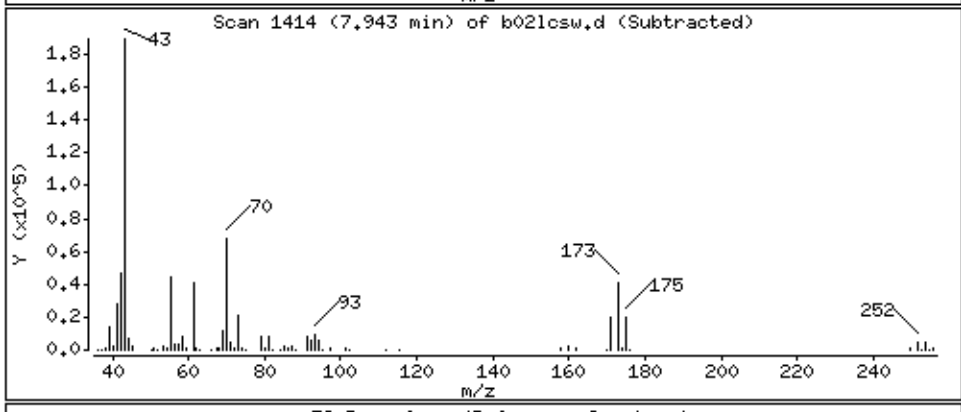
72 Bromoform

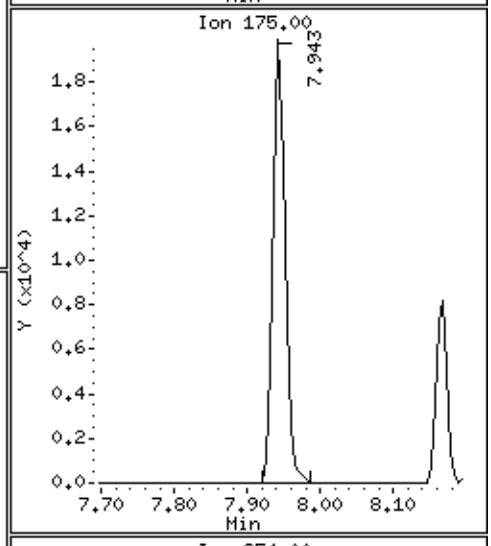
Concentration: 46.6 ppb

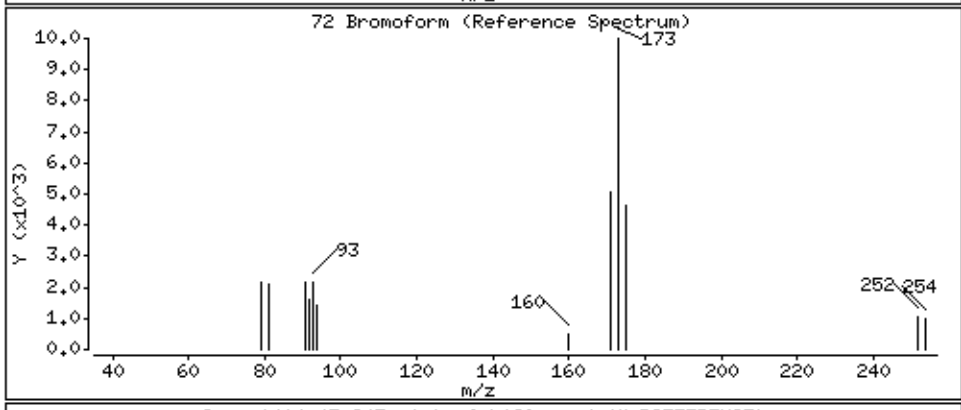
Review Code:

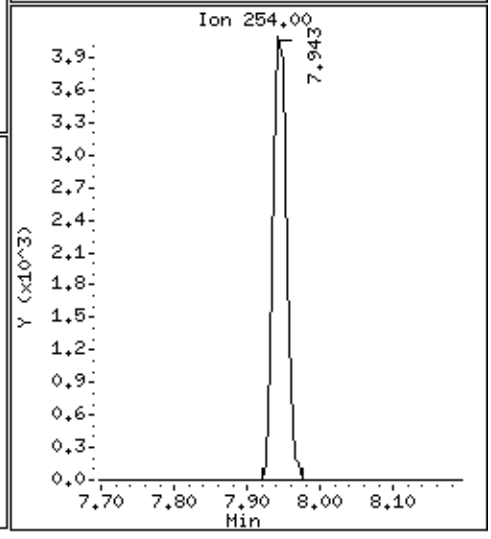


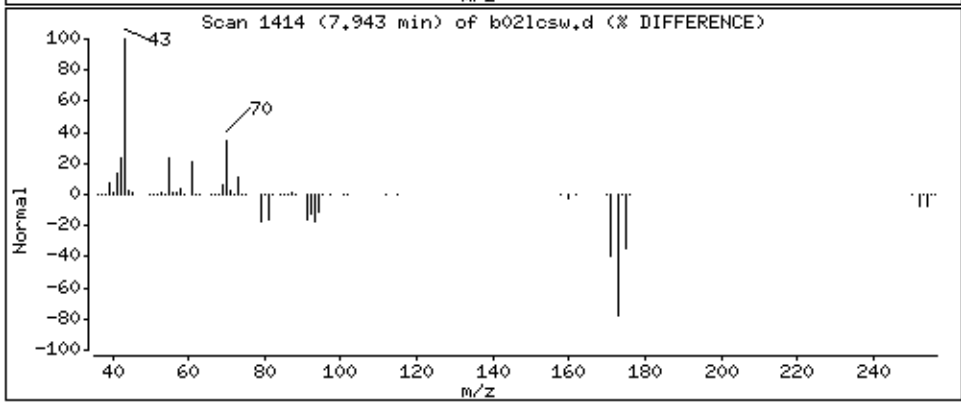












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

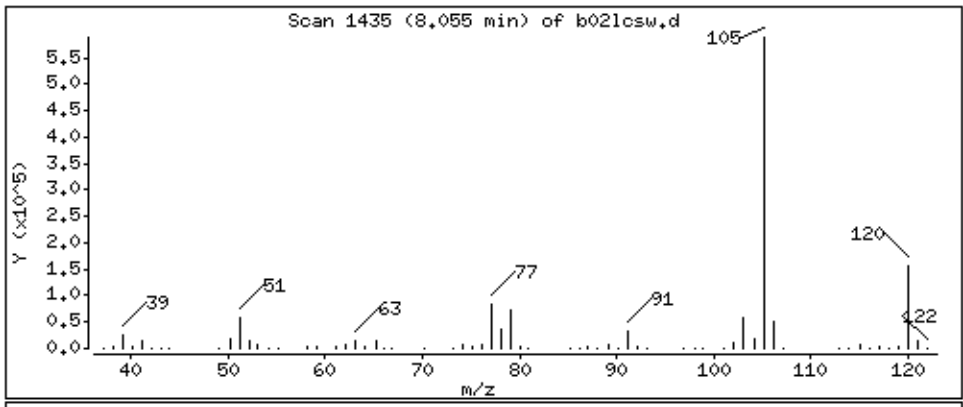
Column phase: DB-624

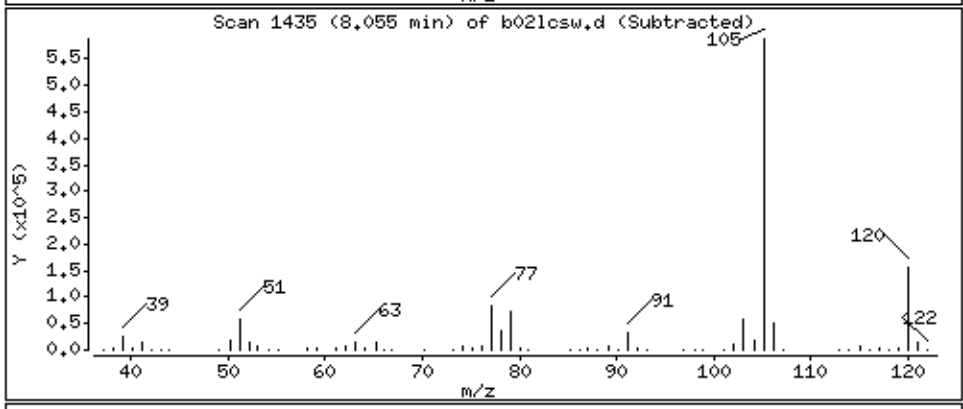
Column diameter: 0.18

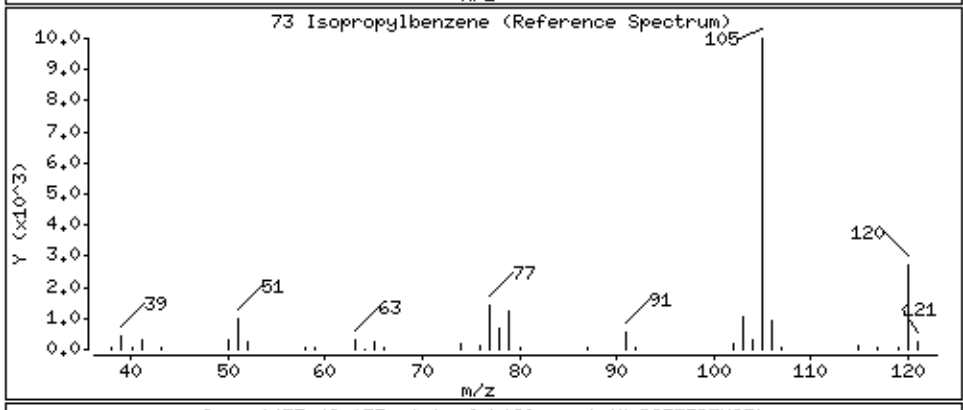
73 Isopropylbenzene

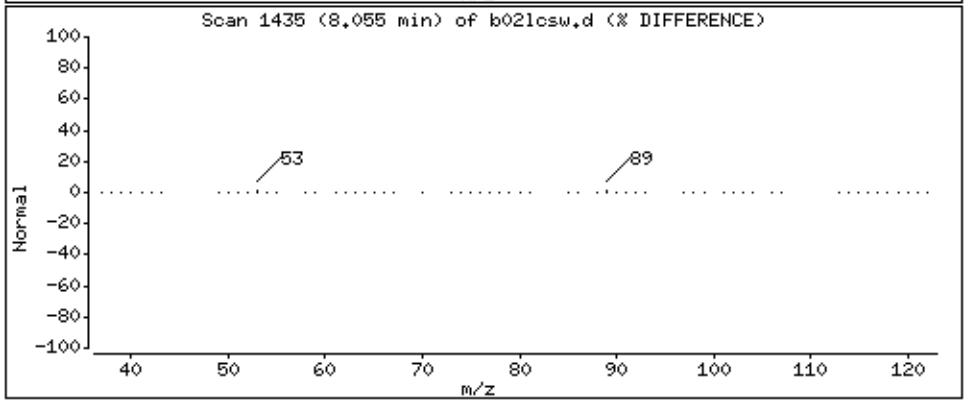
Concentration: 50.6 ppb

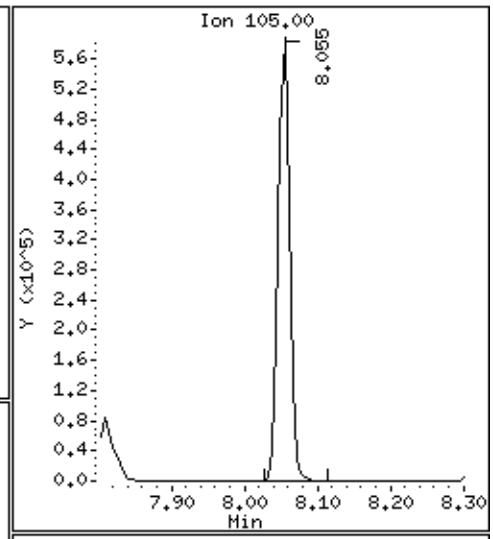
Review Code:

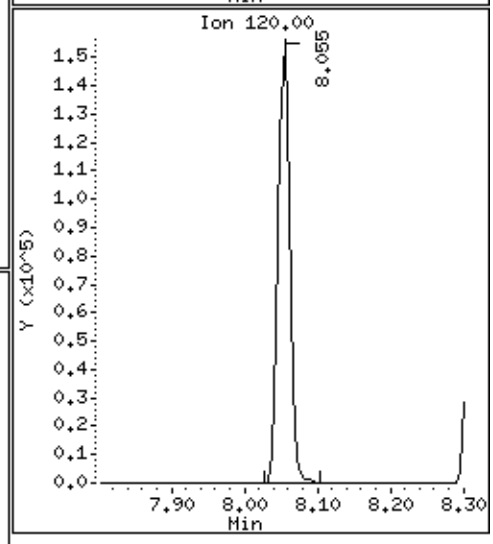












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

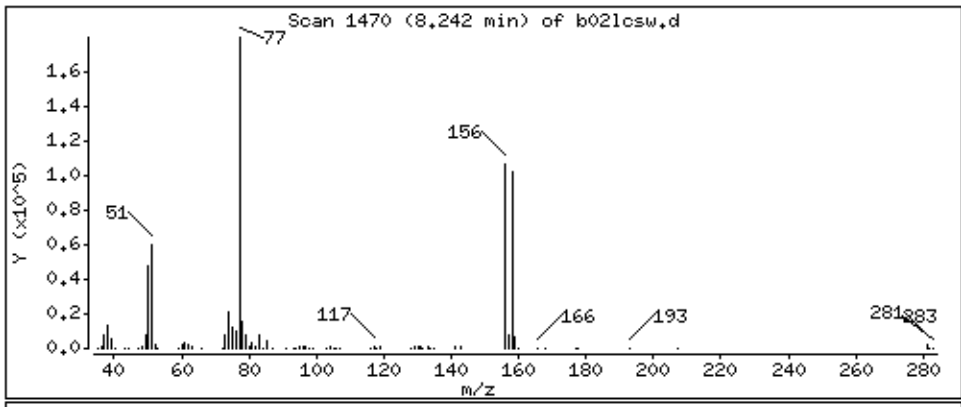
Column phase: DB-624

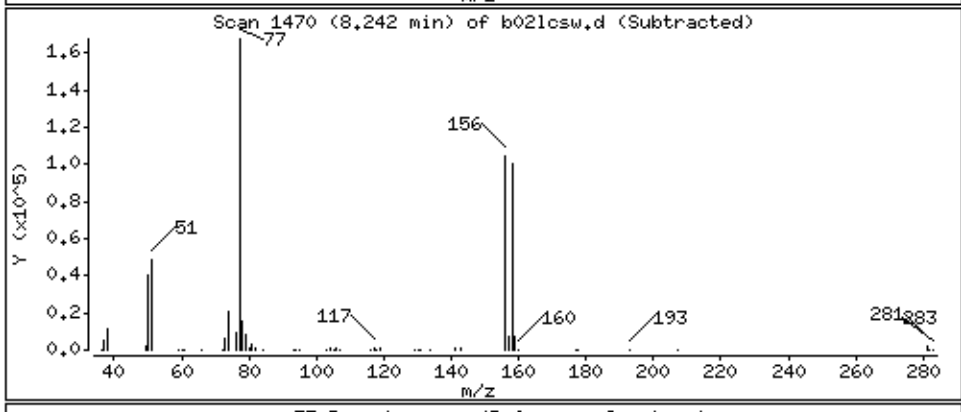
Column diameter: 0.18

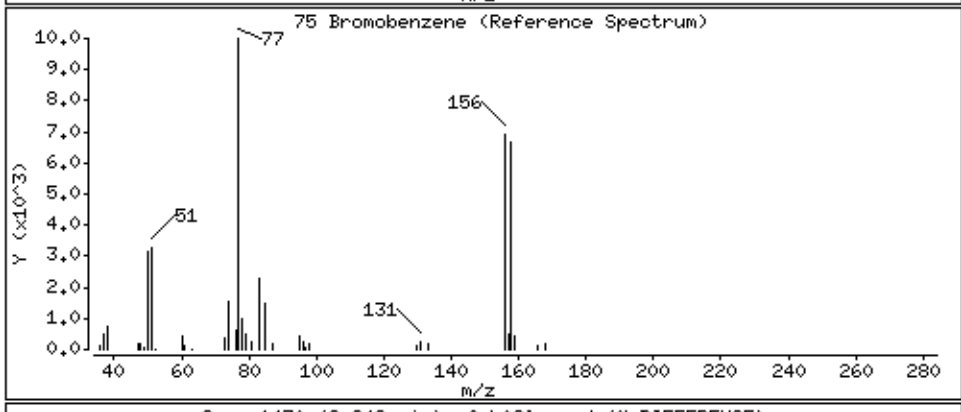
75 Bromobenzene

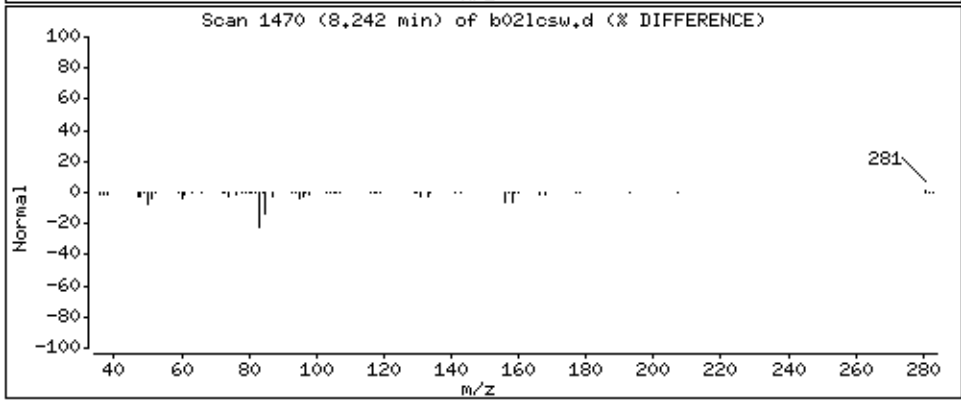
Concentration: 49.6 ppb

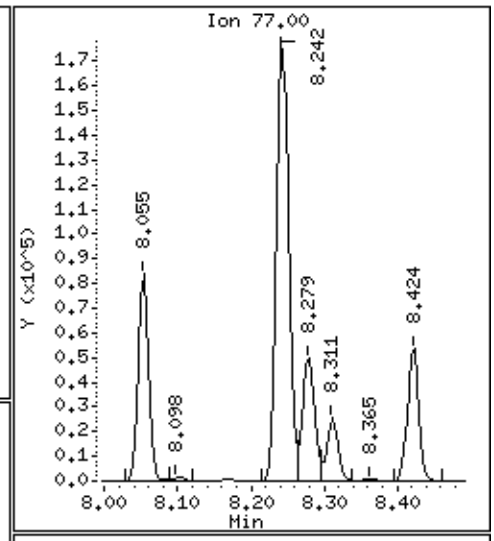
Review Code:

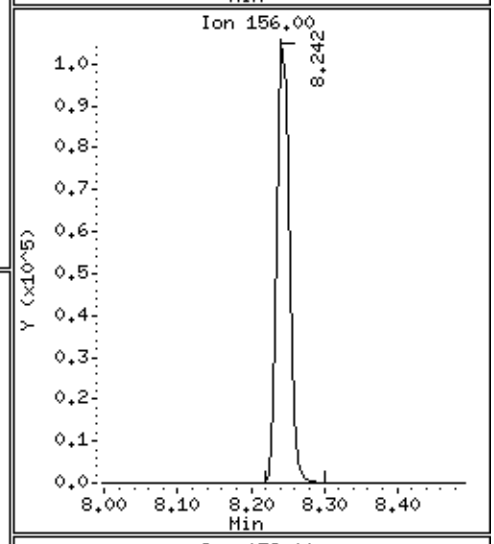


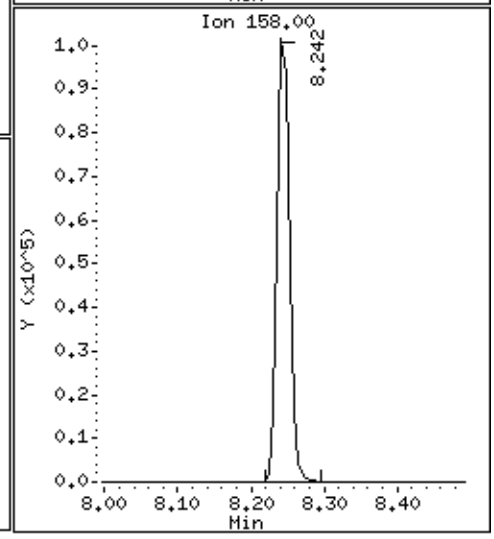












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

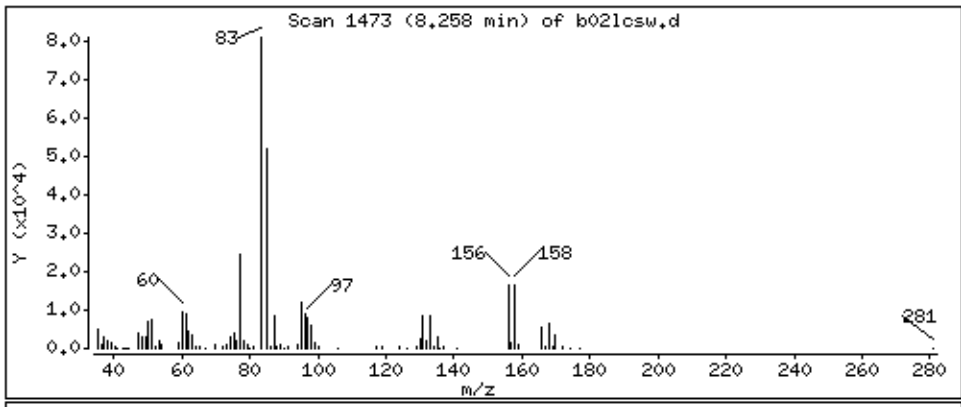
Column phase: DB-624

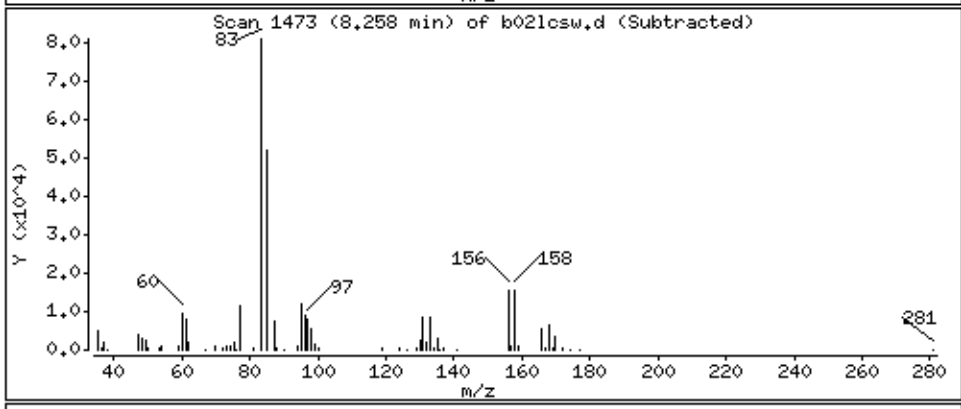
Column diameter: 0.18

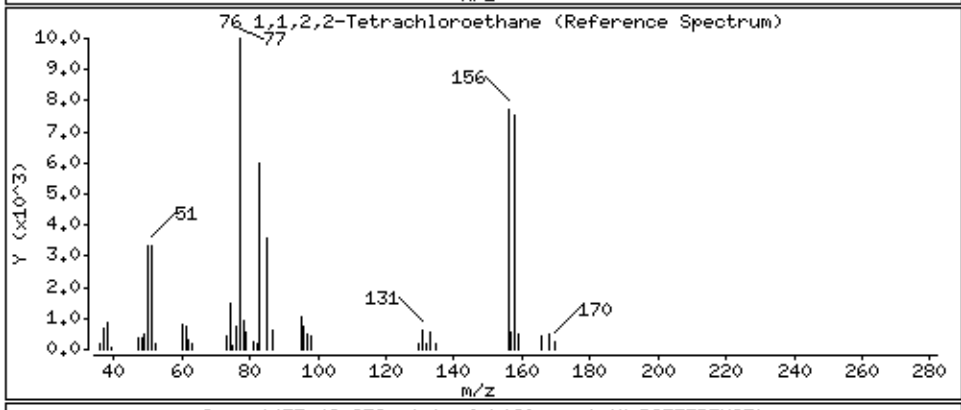
76 1,1,2,2-Tetrachloroethane

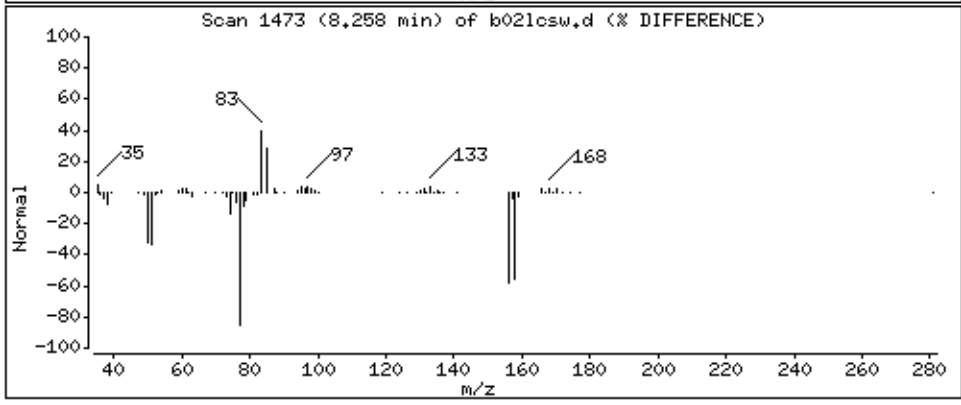
Concentration: 51.5 ppb

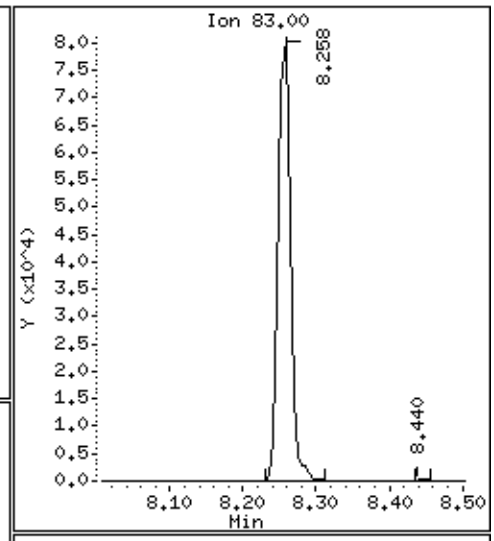
Review Code:

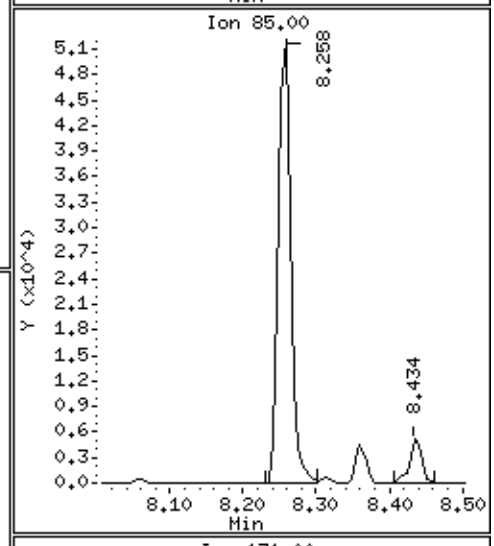


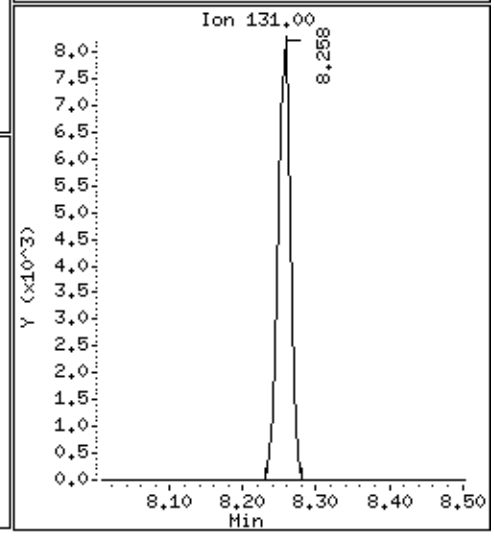












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

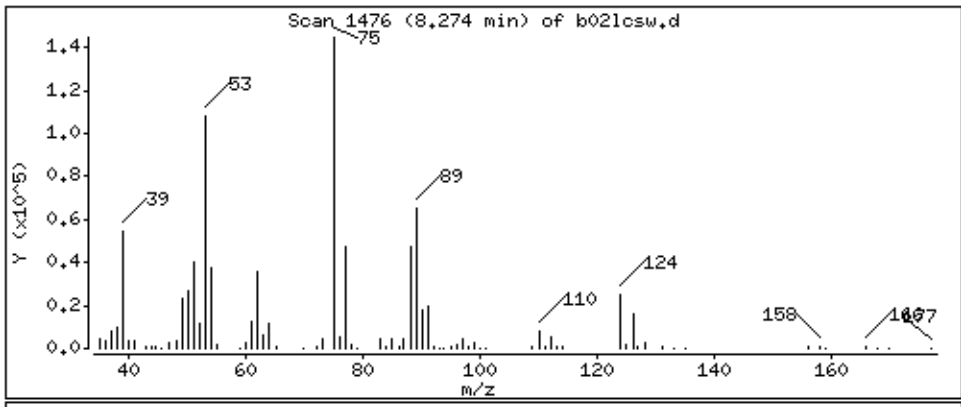
Column phase: DB-624

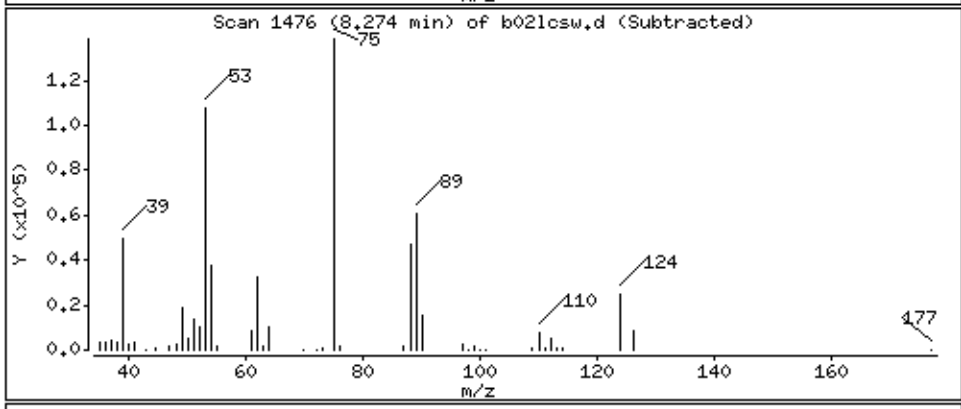
Column diameter: 0.18

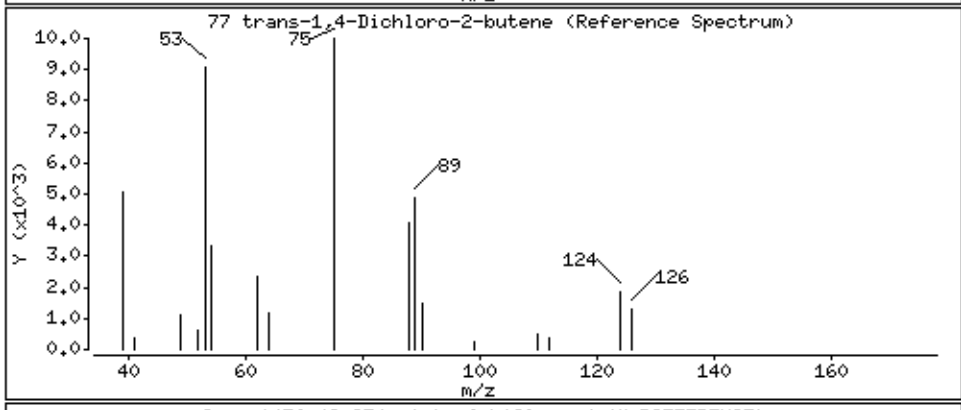
77 trans-1,4-Dichloro-2-butene

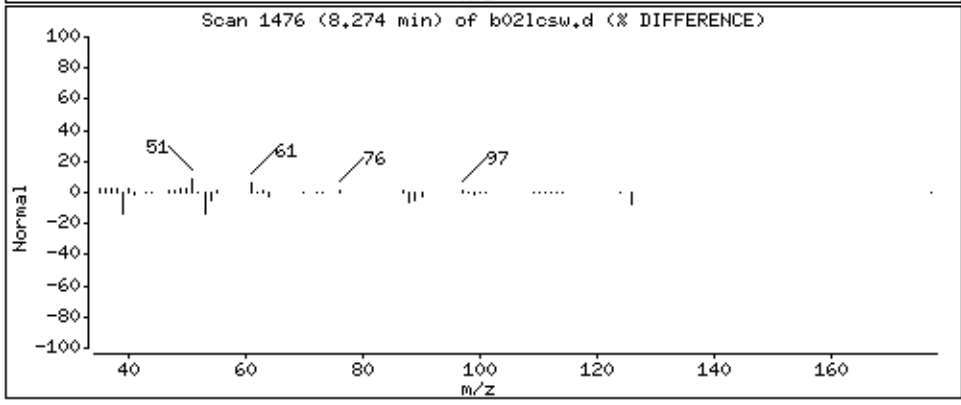
Concentration: 212 ppb

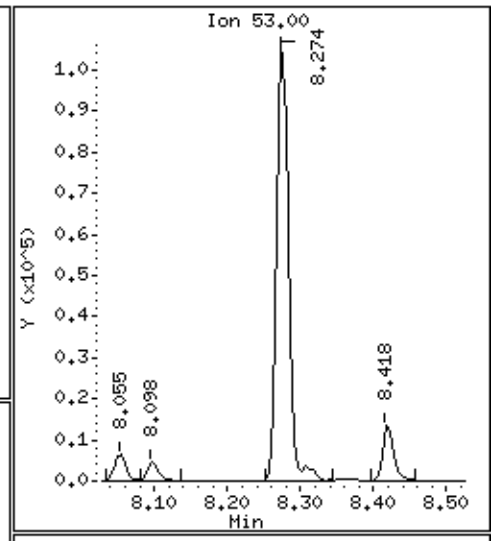
Review Code:

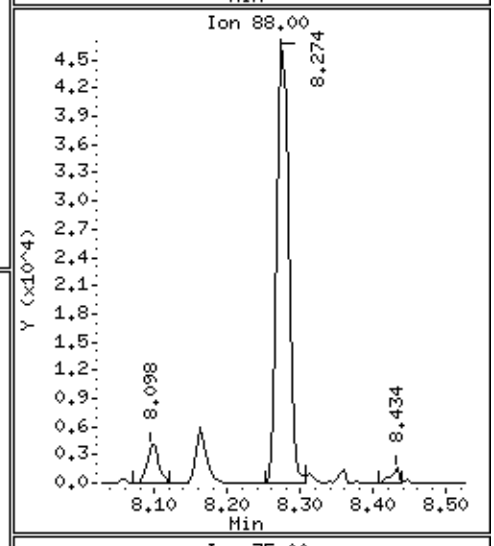


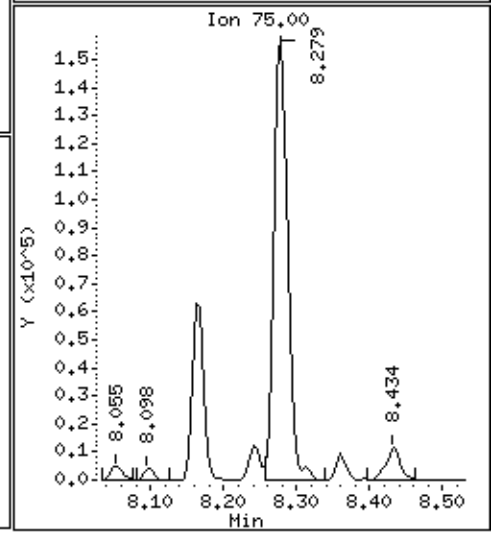












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

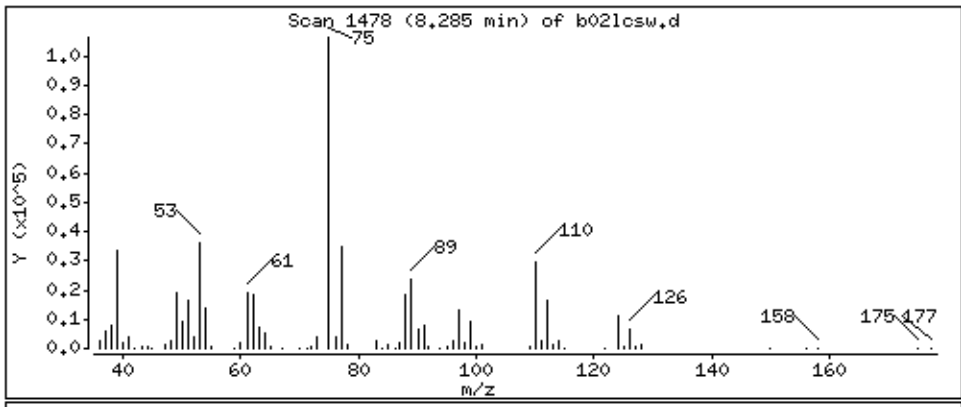
Column phase: DB-624

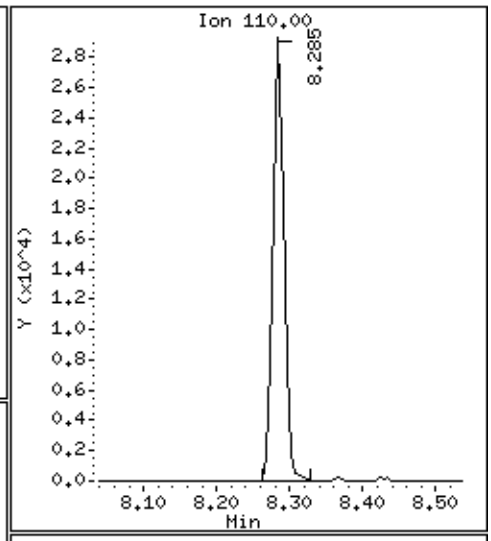
Column diameter: 0.18

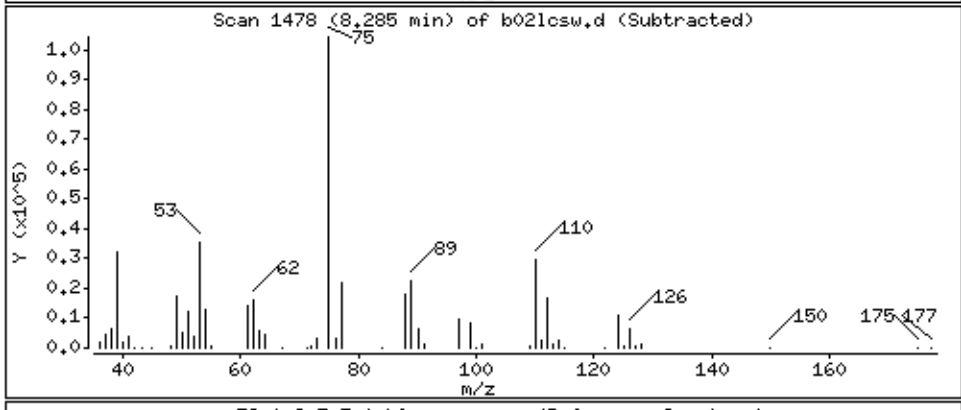
78 1,2,3-Trichloropropane

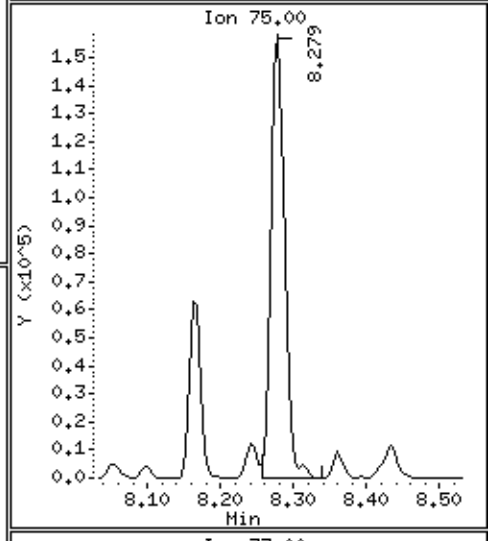
Concentration: 55.7 ppb

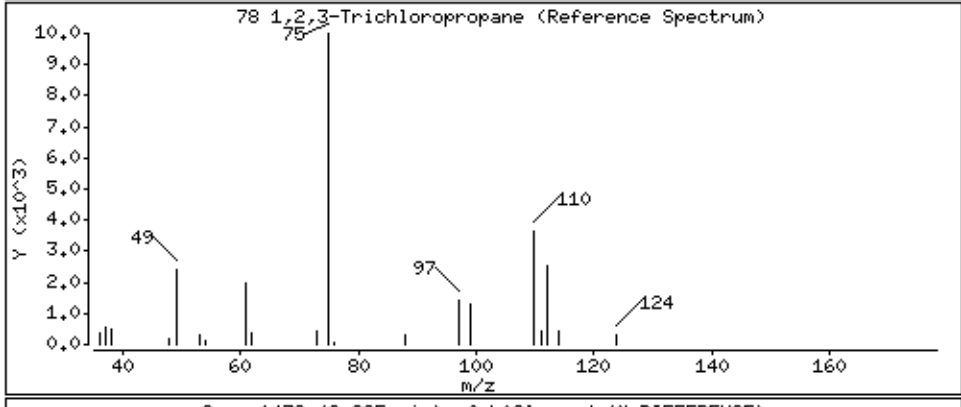
Review Code:

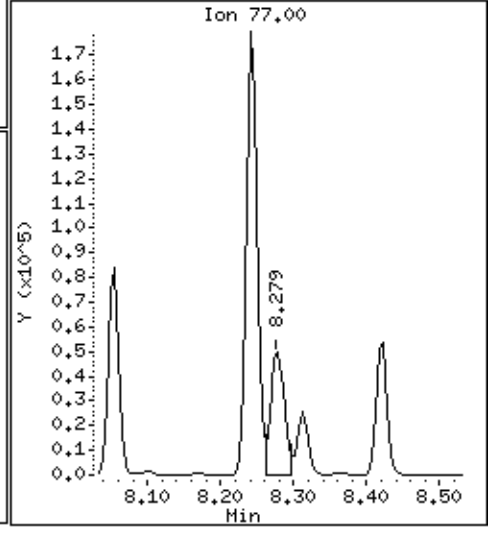


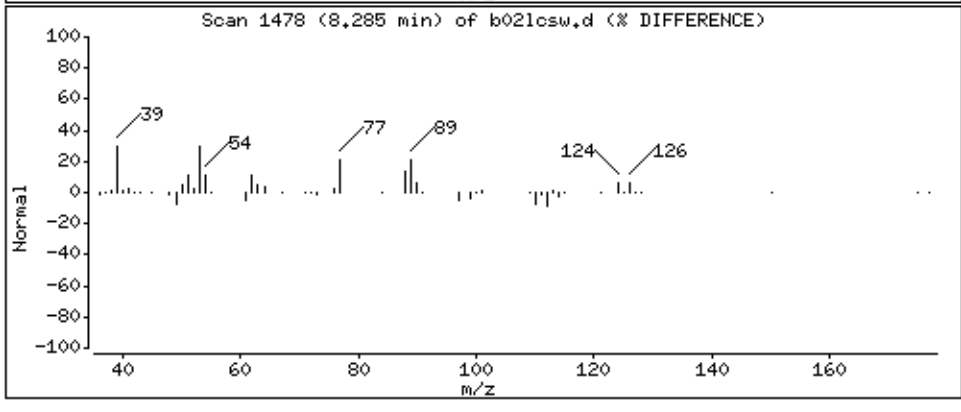












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

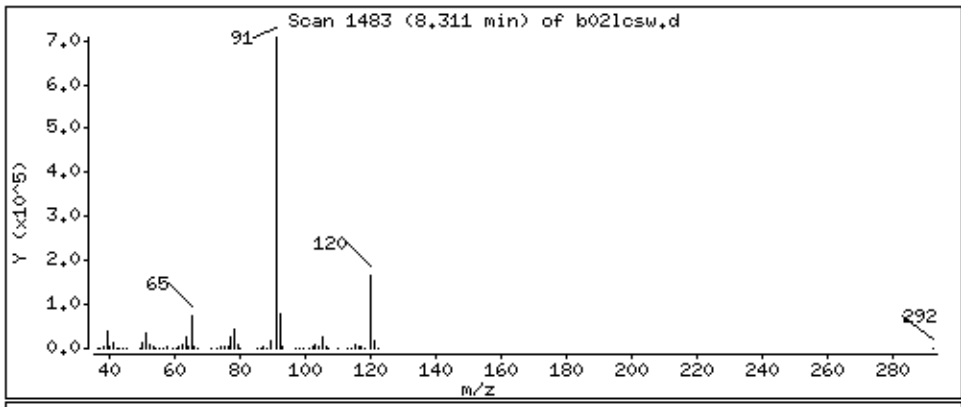
Column phase: DB-624

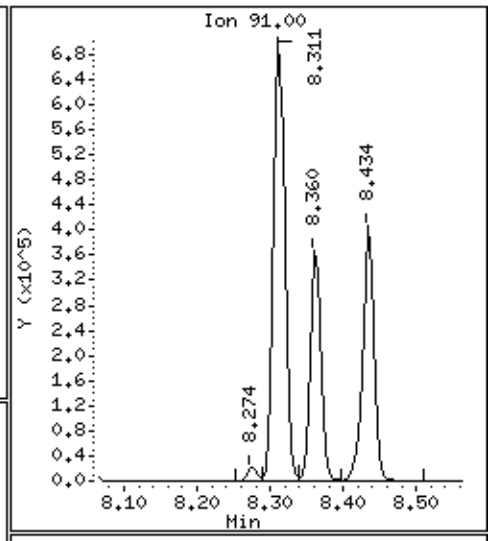
Column diameter: 0.18

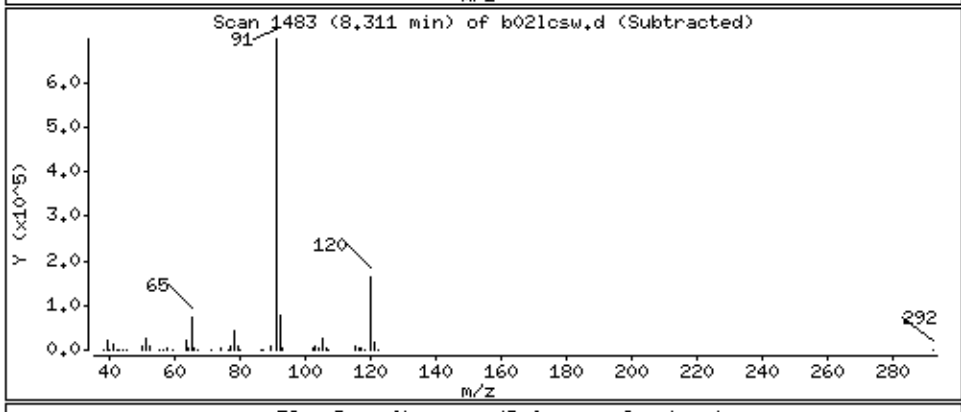
79 n-Propylbenzene

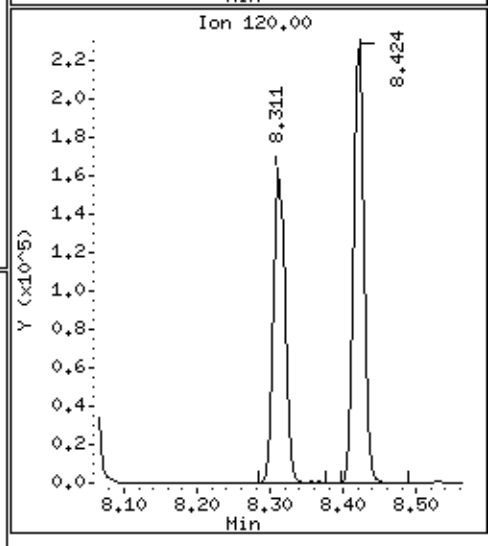
Concentration: 53.5 ppb

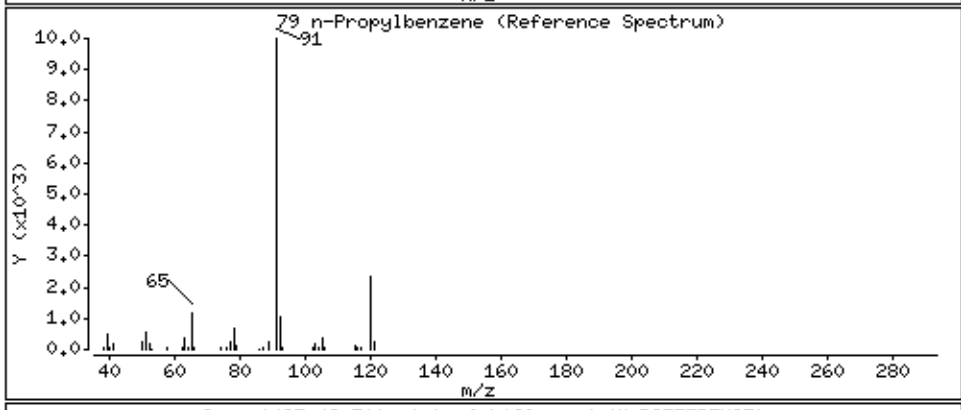
Review Code:

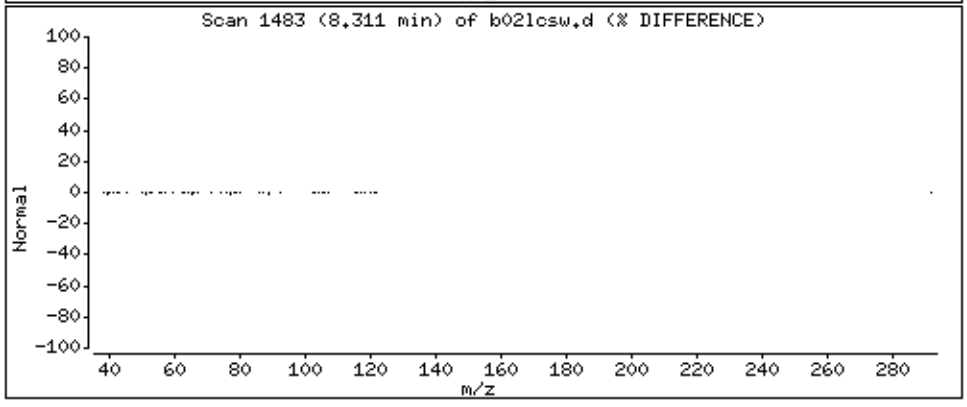












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

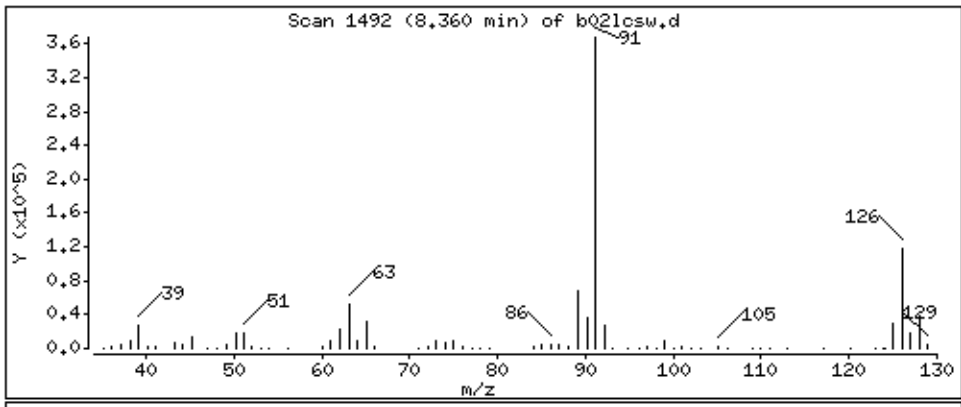
Column phase: DB-624

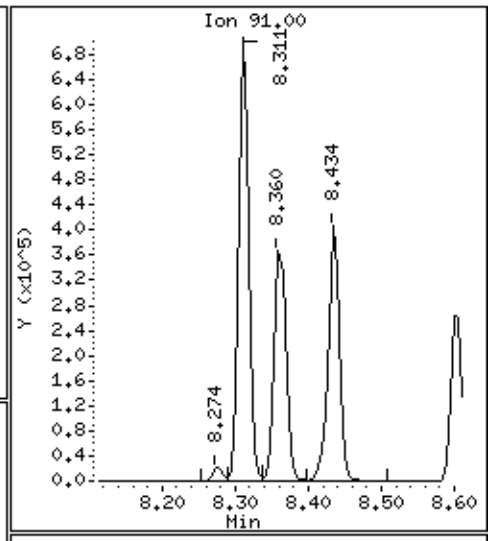
Column diameter: 0.18

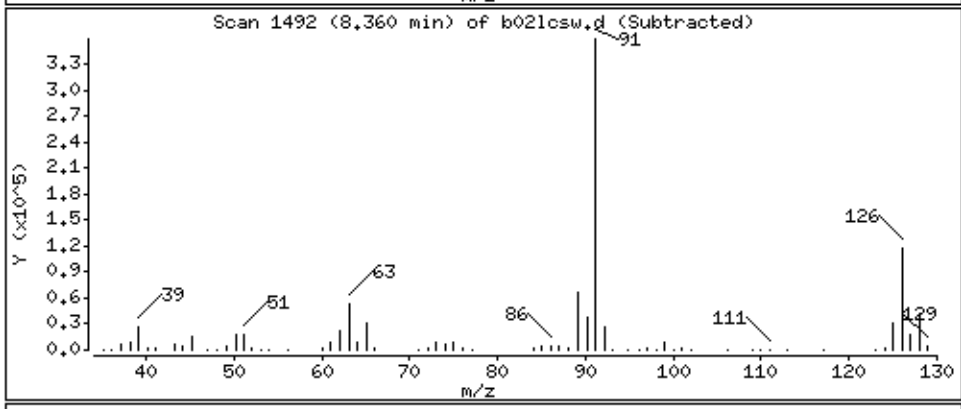
80 2-Chlorotoluene

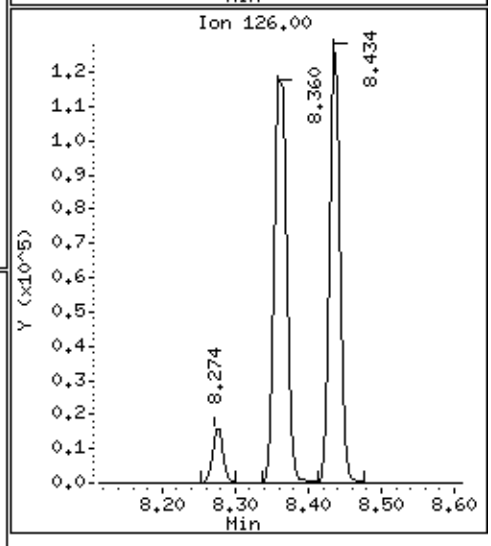
Concentration: 52.2 ppb

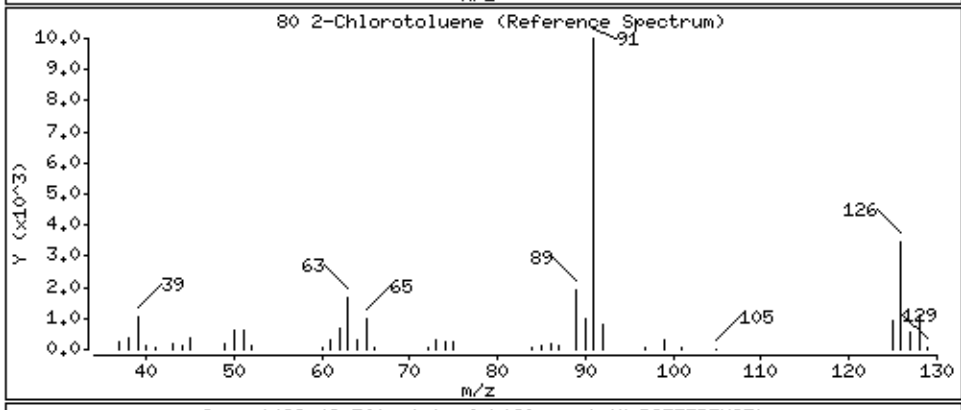
Review Code:

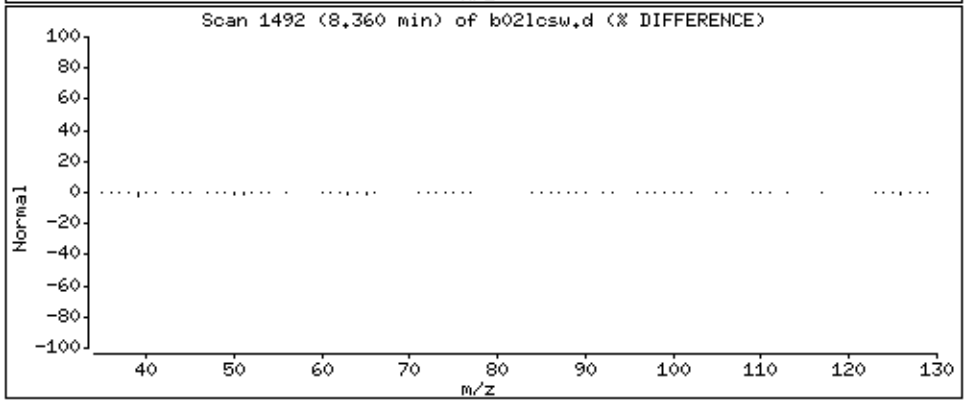












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

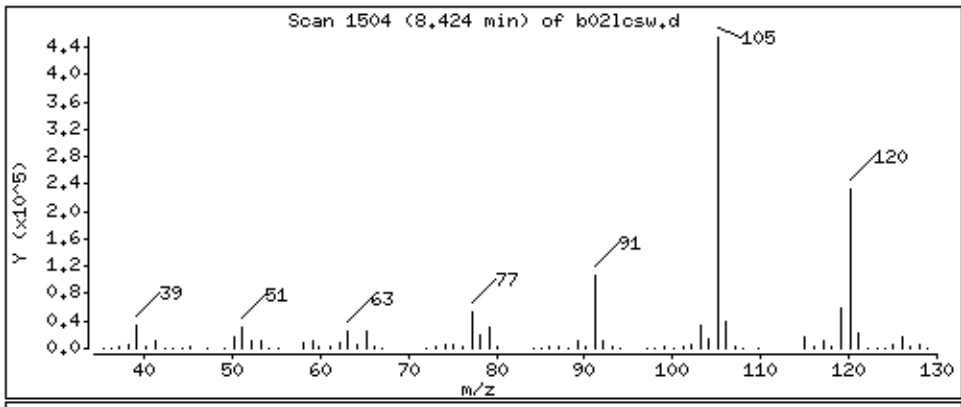
Column phase: DB-624

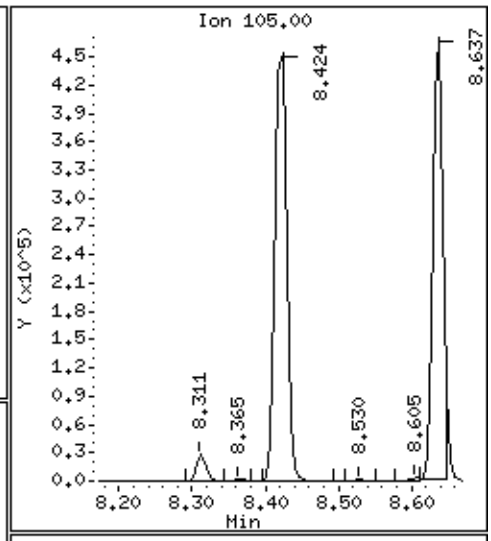
Column diameter: 0.18

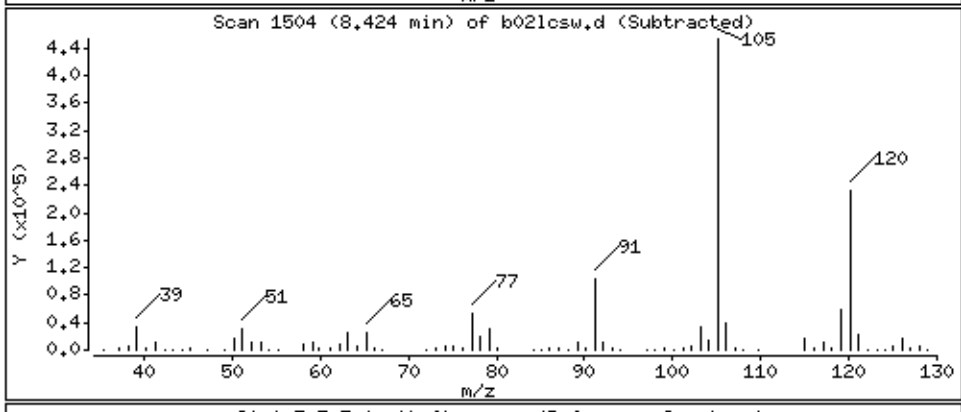
81 1,3,5-Trimethylbenzene

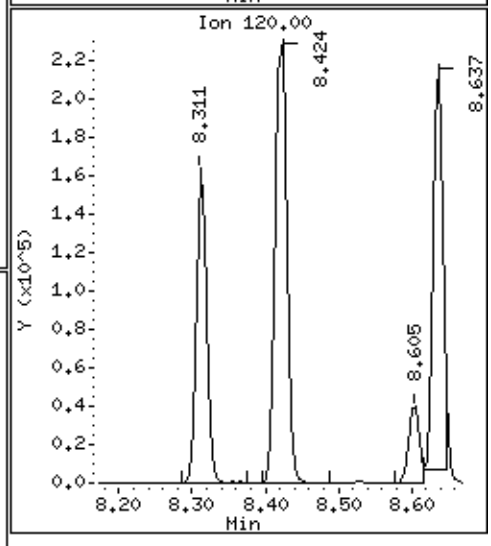
Concentration: 52.4 ppb

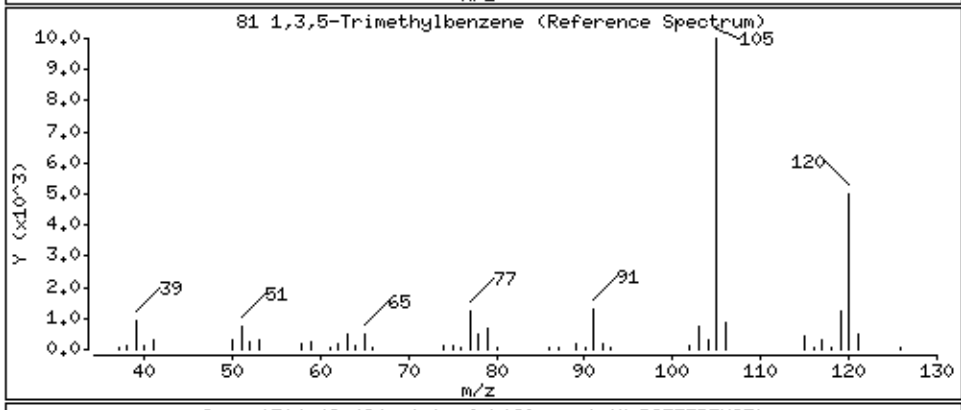
Review Code:

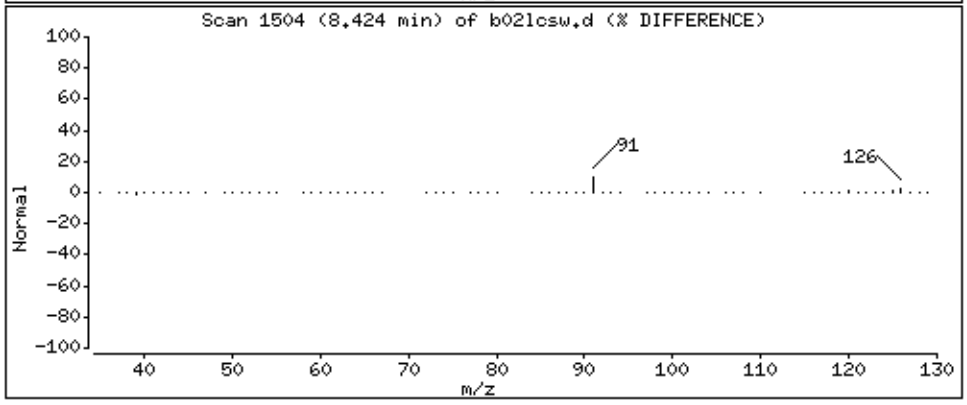












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

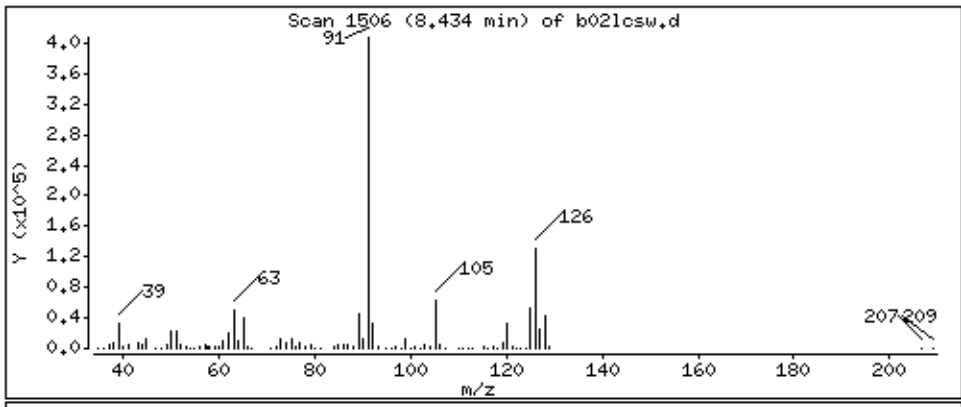
Column phase: DB-624

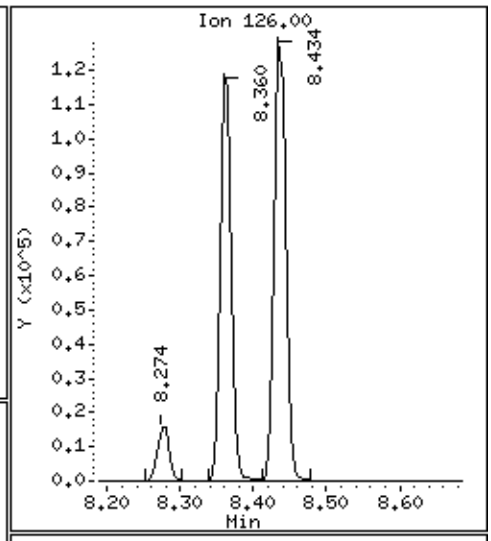
Column diameter: 0.18

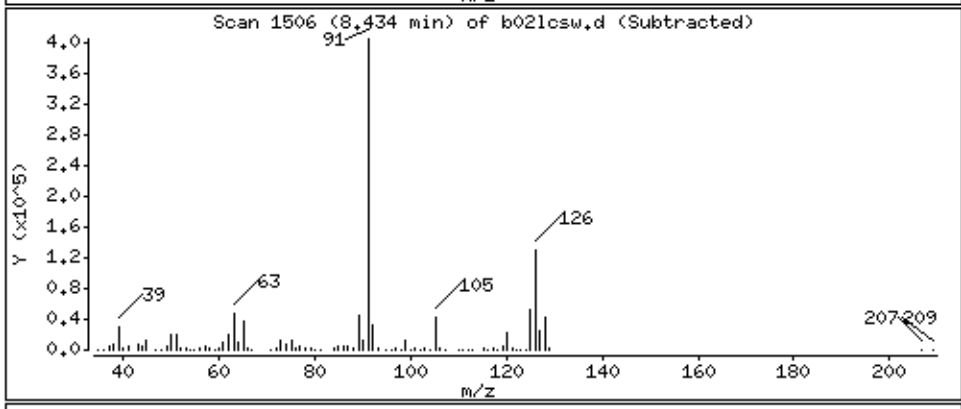
82 4-Chlorotoluene

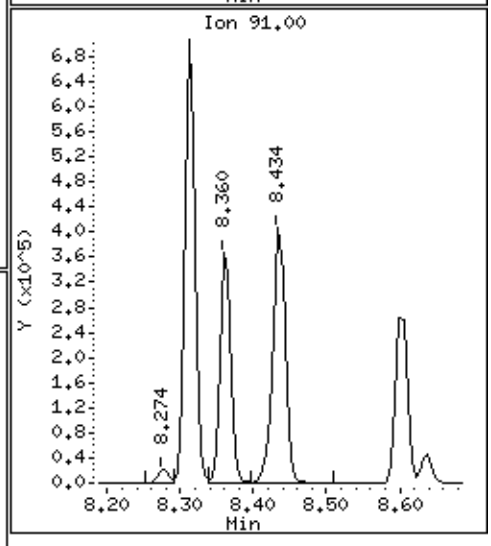
Concentration: 49.6 ppb

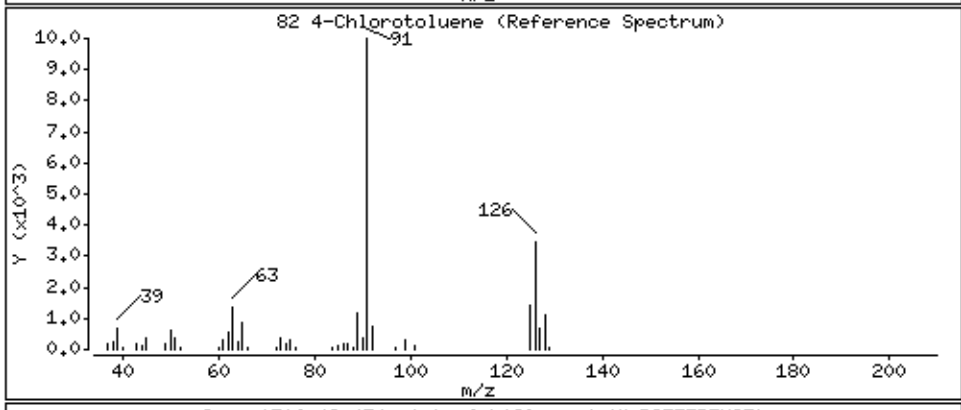
Review Code:

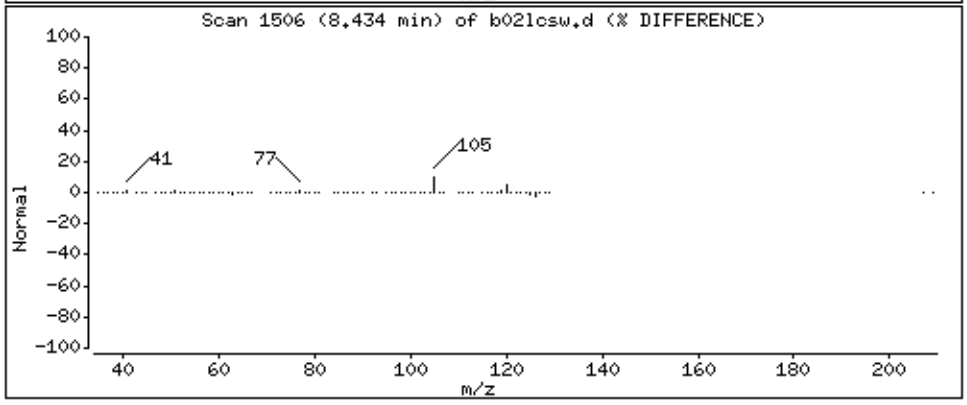












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

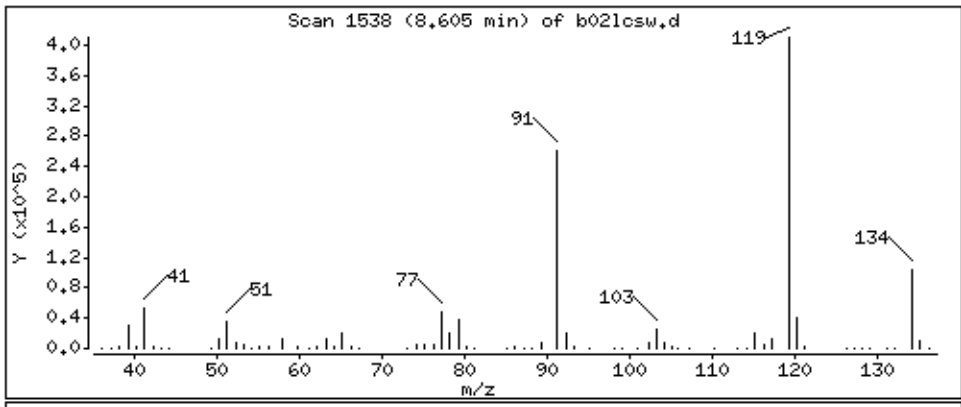
Column phase: DB-624

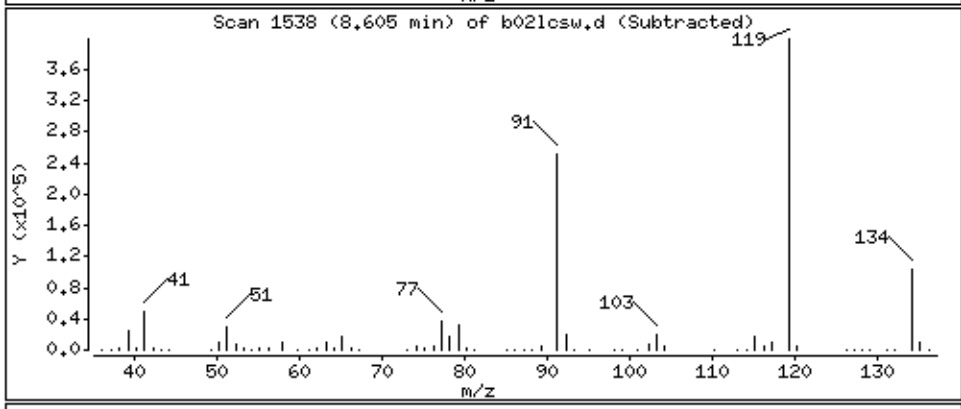
Column diameter: 0.18

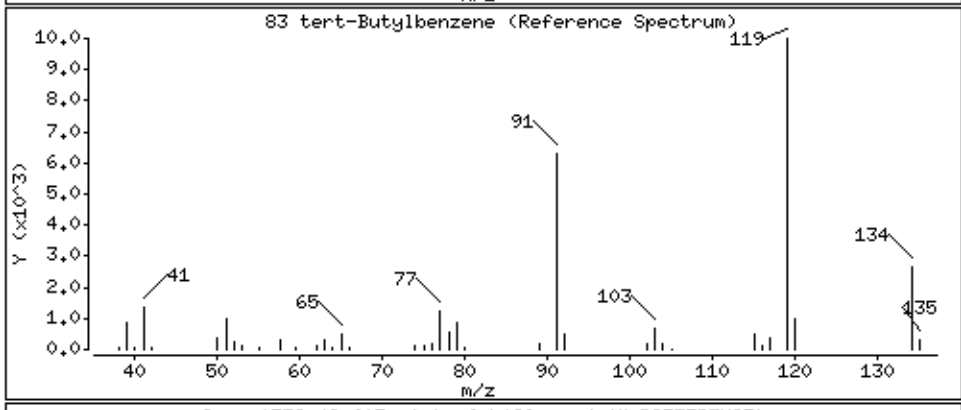
83 tert-Butylbenzene

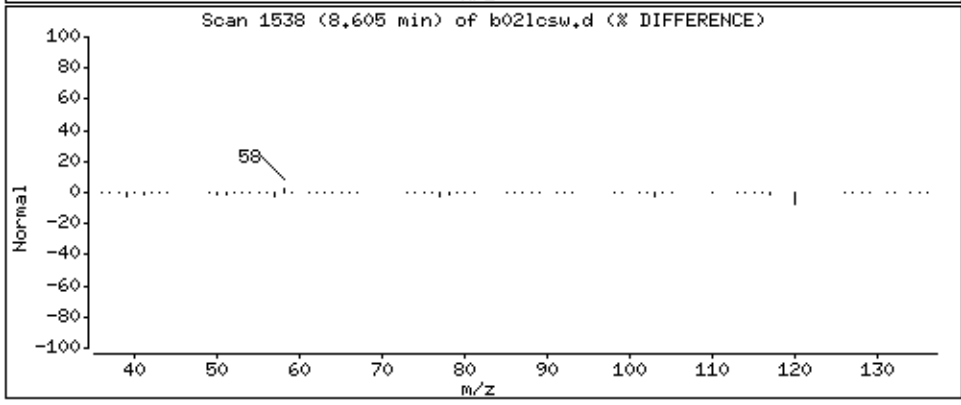
Concentration: 42.1 ppb

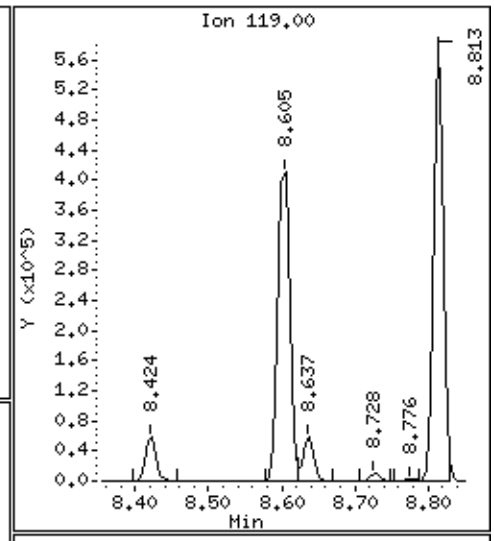
Review Code:

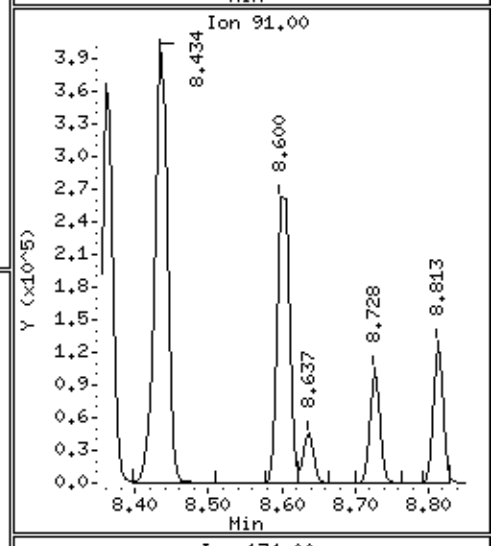


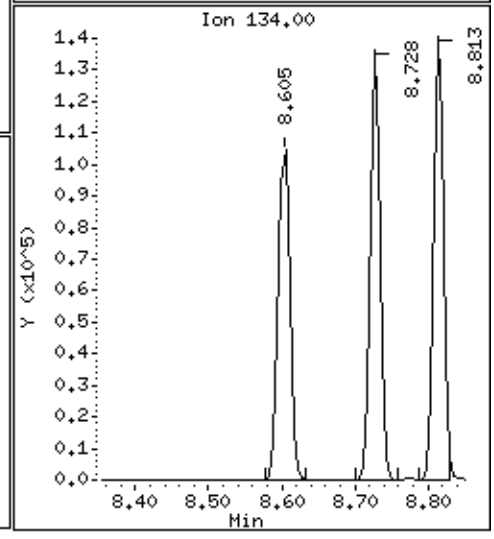












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

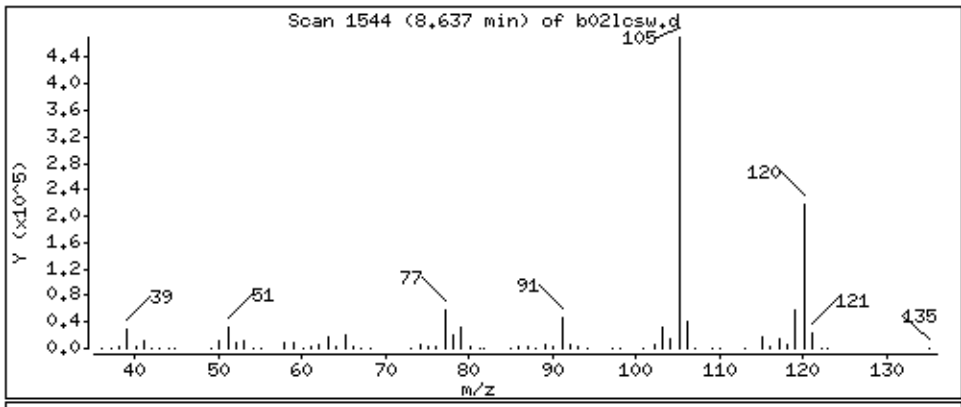
Column phase: DB-624

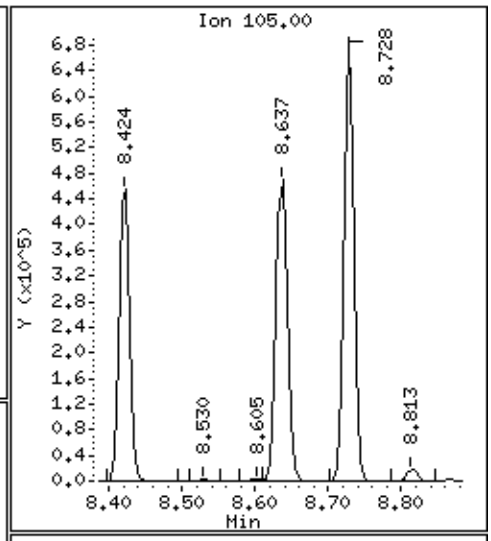
Column diameter: 0.18

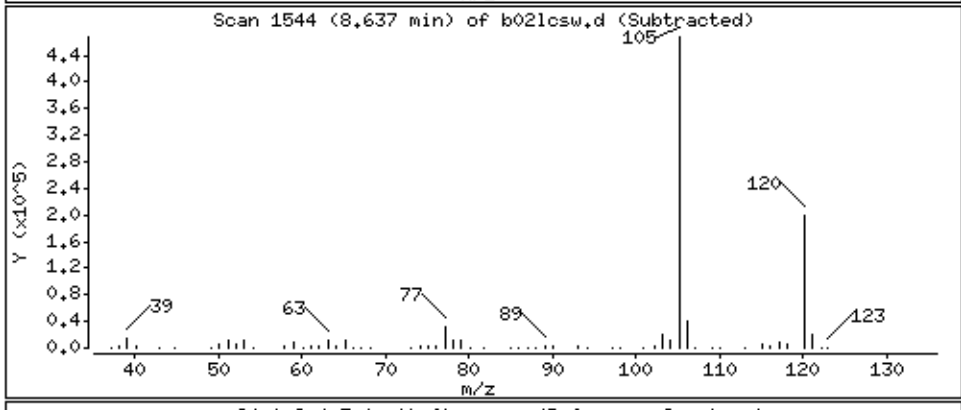
84 1,2,4-Trimethylbenzene

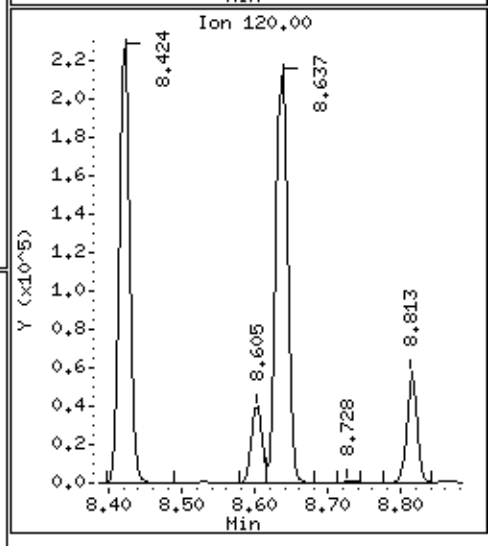
Concentration: 52.2 ppb

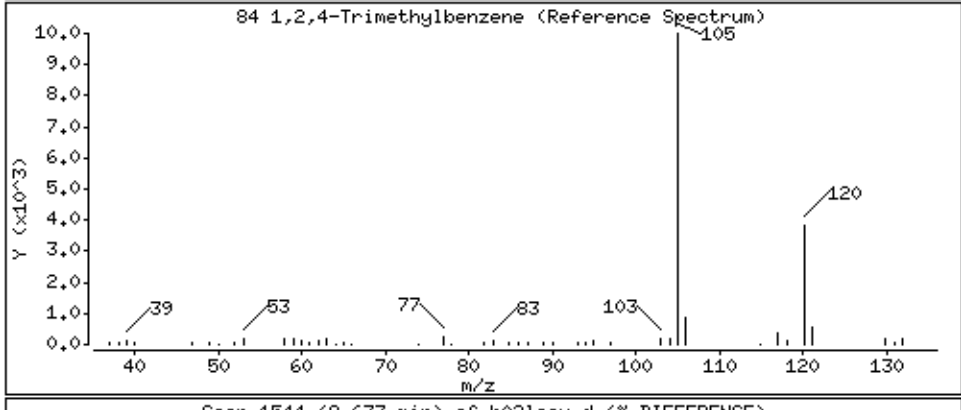
Review Code:

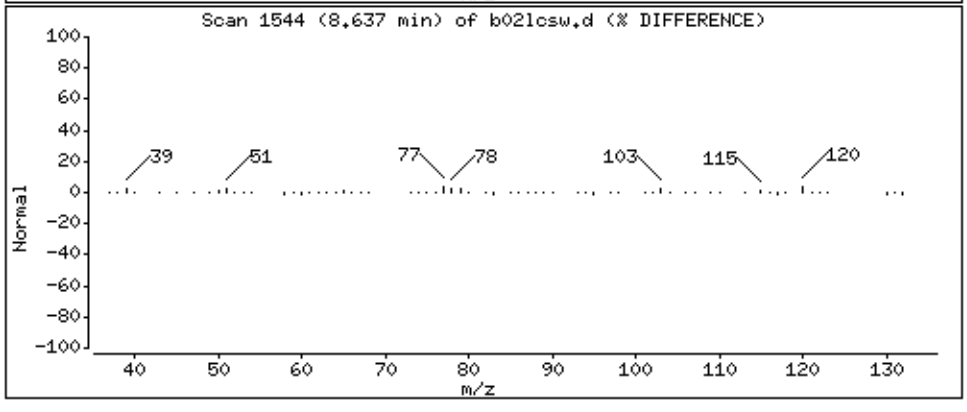












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

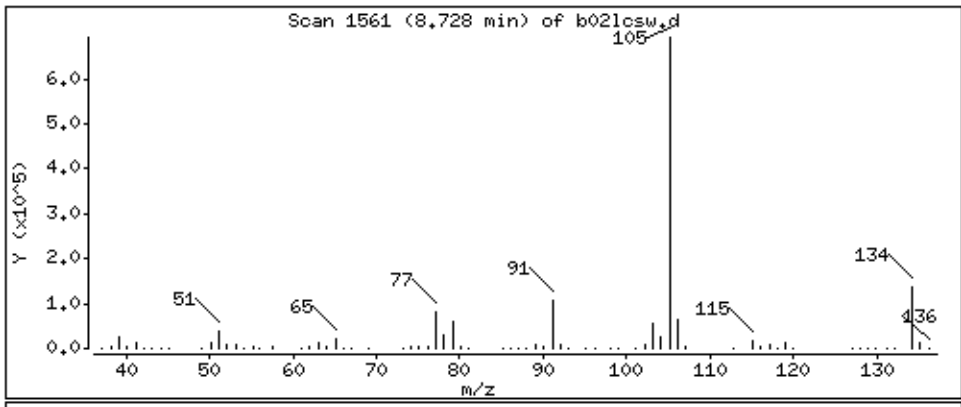
Column phase: DB-624

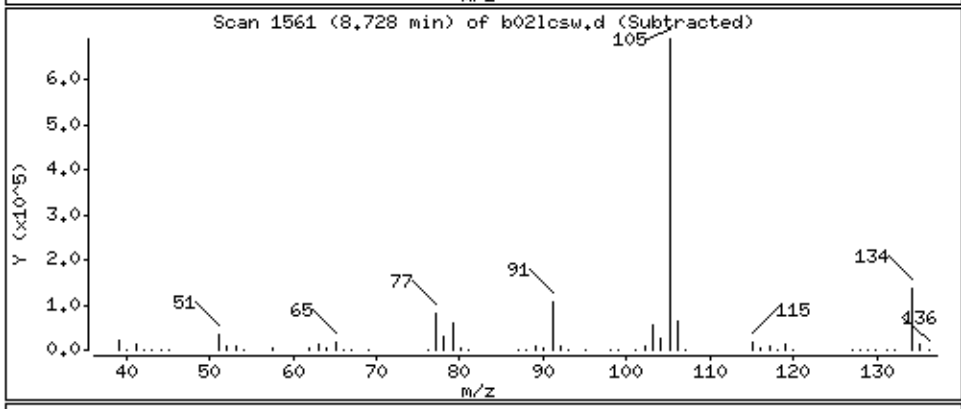
Column diameter: 0.18

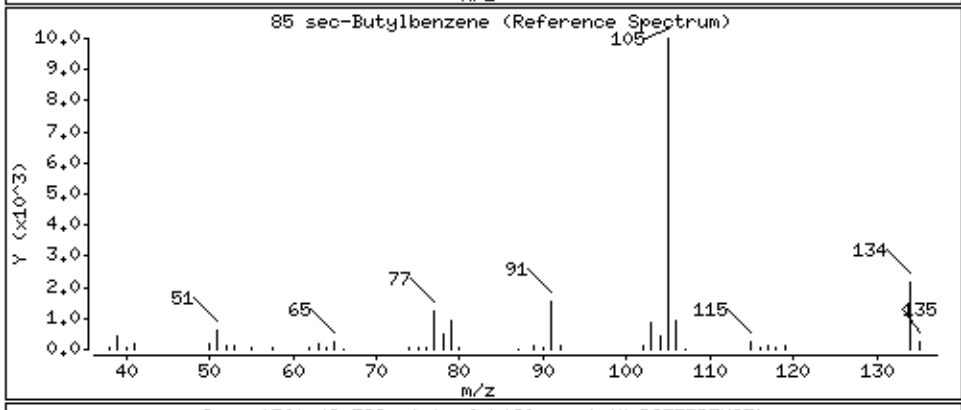
85 sec-Butylbenzene

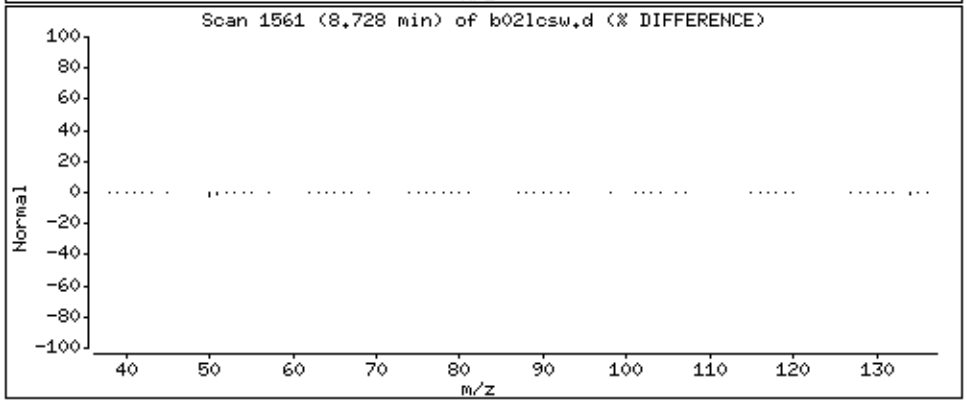
Concentration: 53.8 ppb

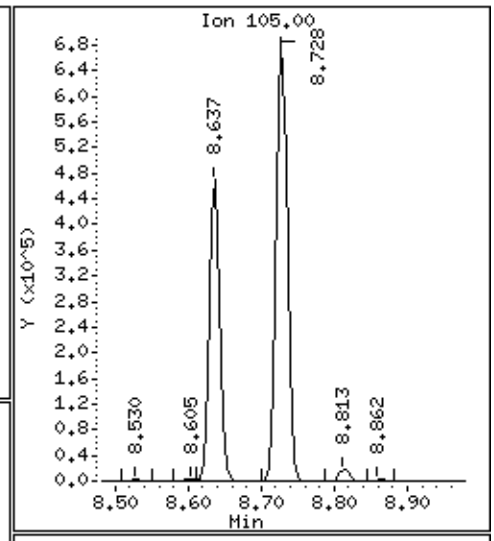
Review Code:

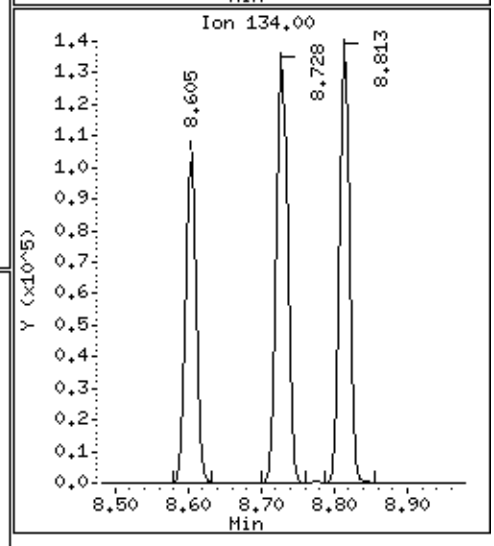












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

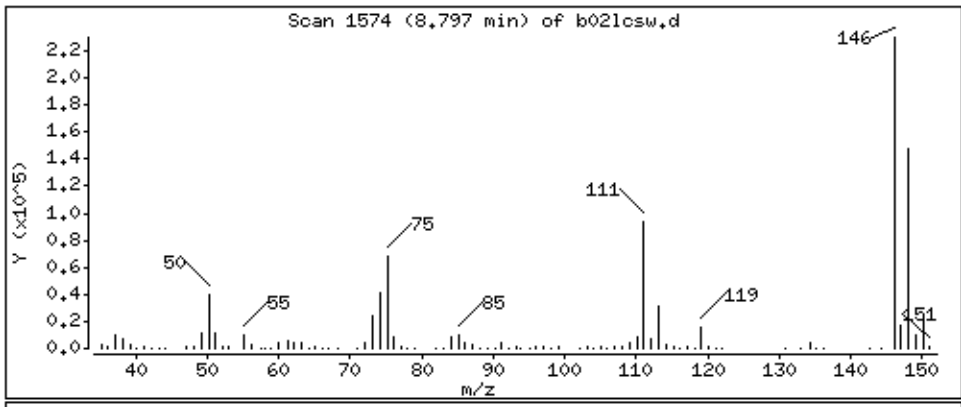
Column phase: DB-624

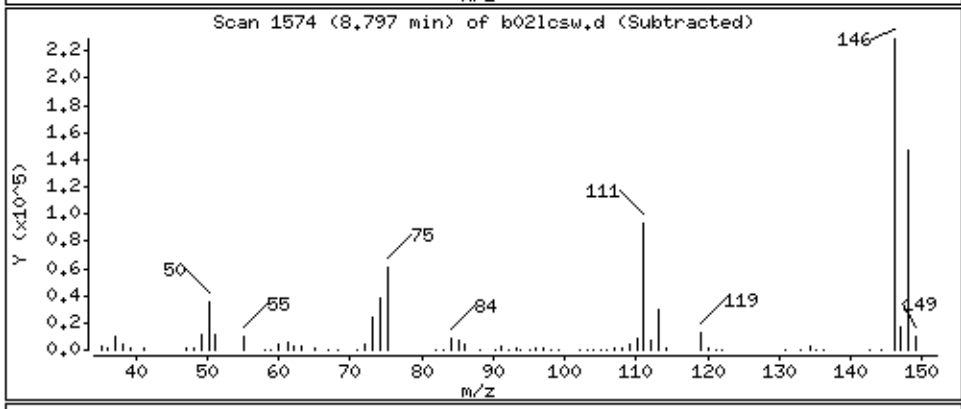
Column diameter: 0.18

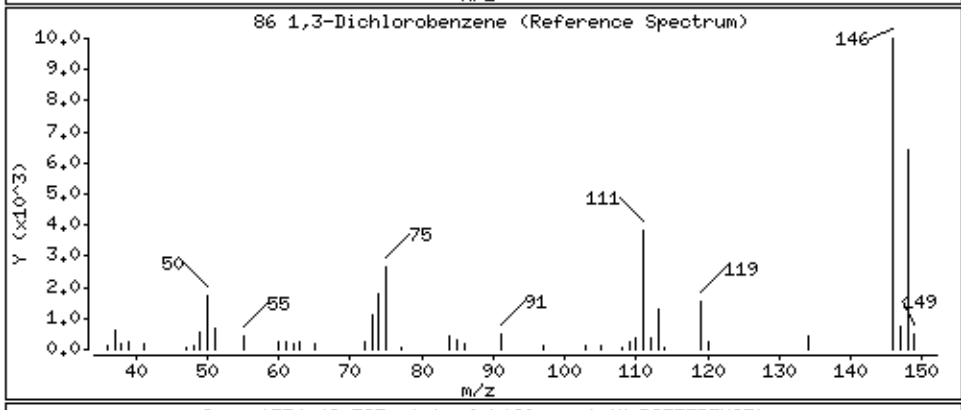
86 1,3-Dichlorobenzene

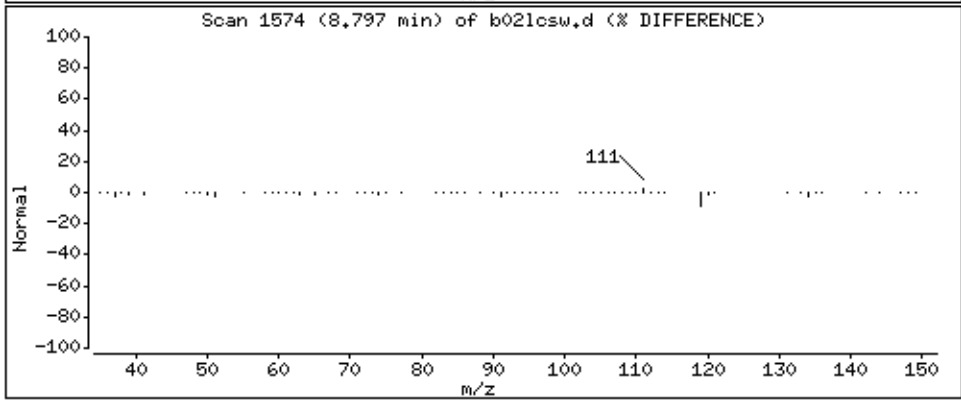
Concentration: 48.9 ppb

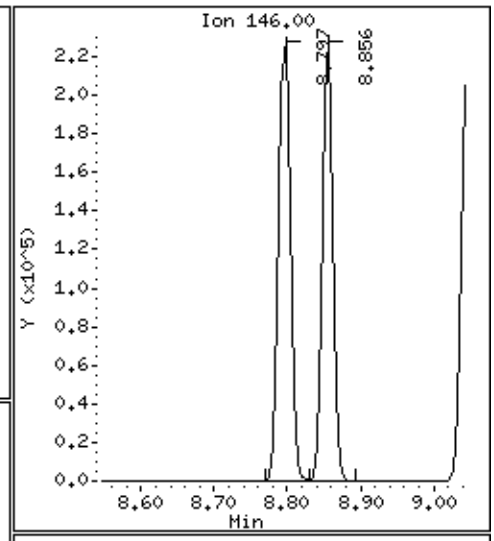
Review Code:

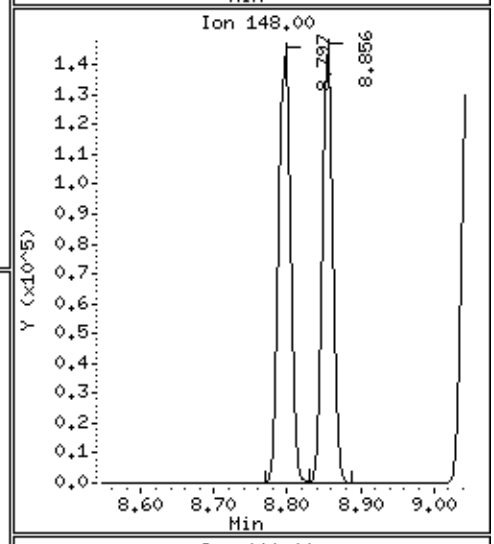


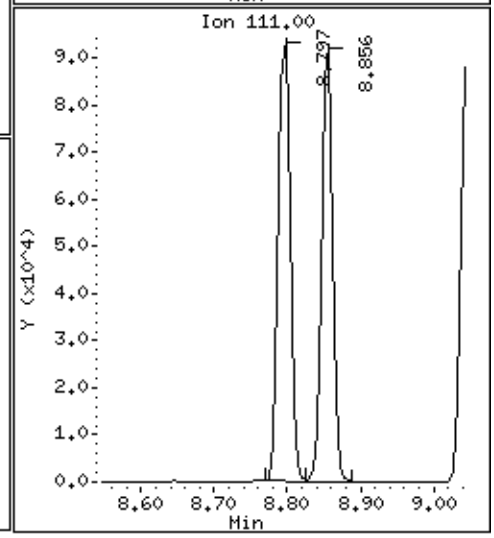












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

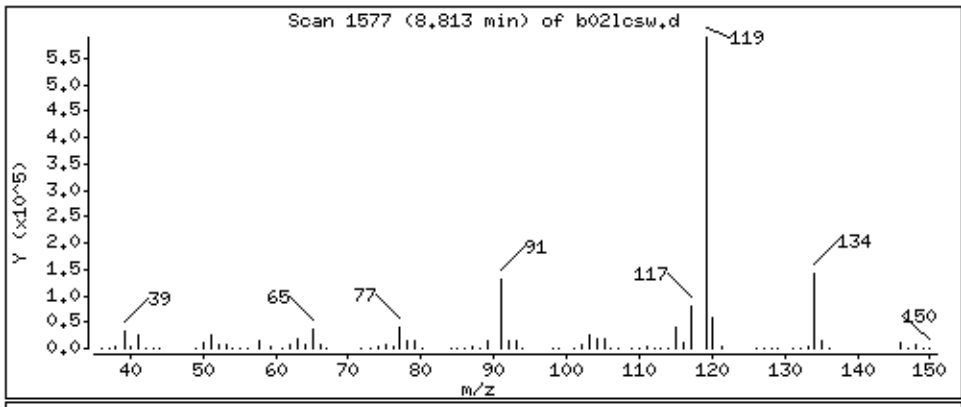
Column phase: DB-624

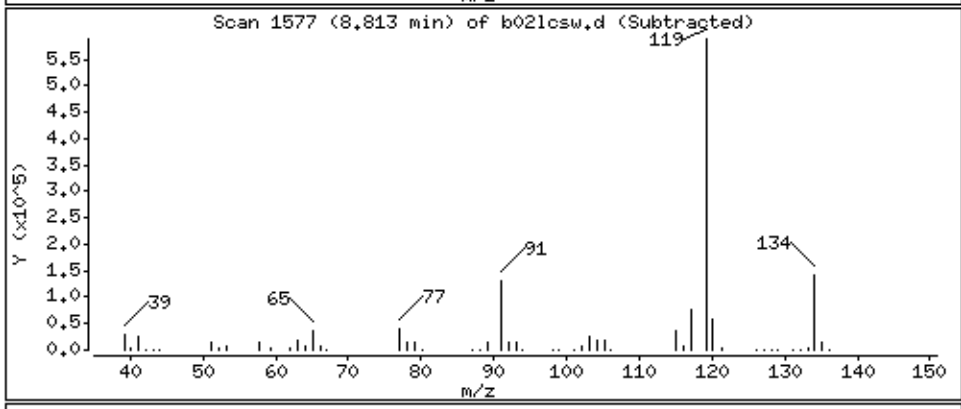
Column diameter: 0.18

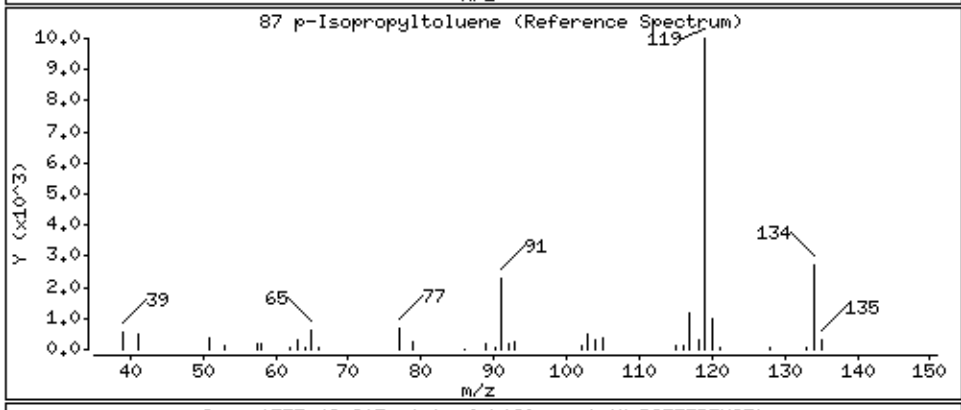
87 p-Isopropyltoluene

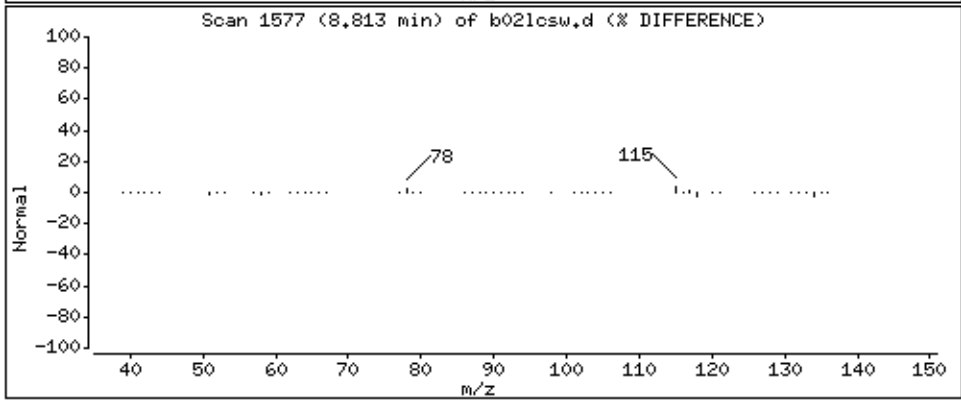
Concentration: 53.2 ppb

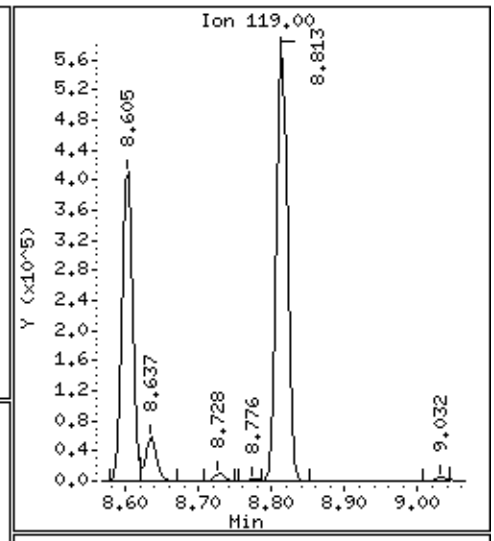
Review Code:

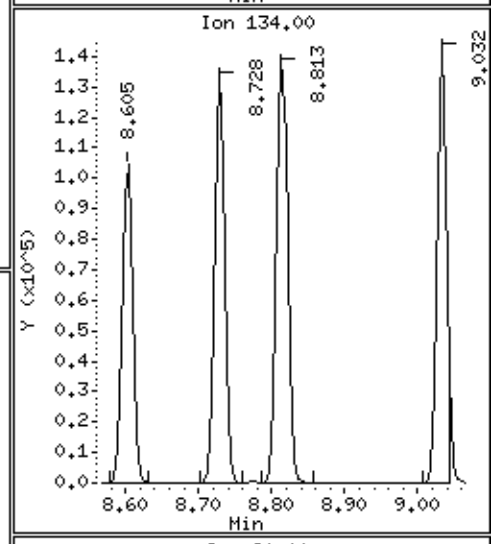


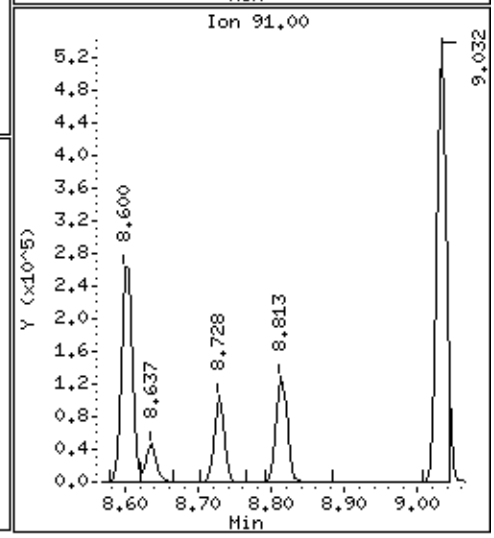












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

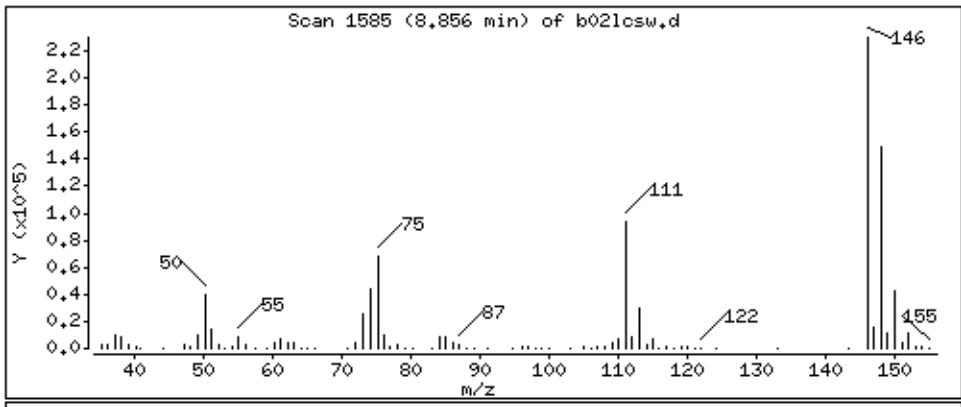
Column phase: DB-624

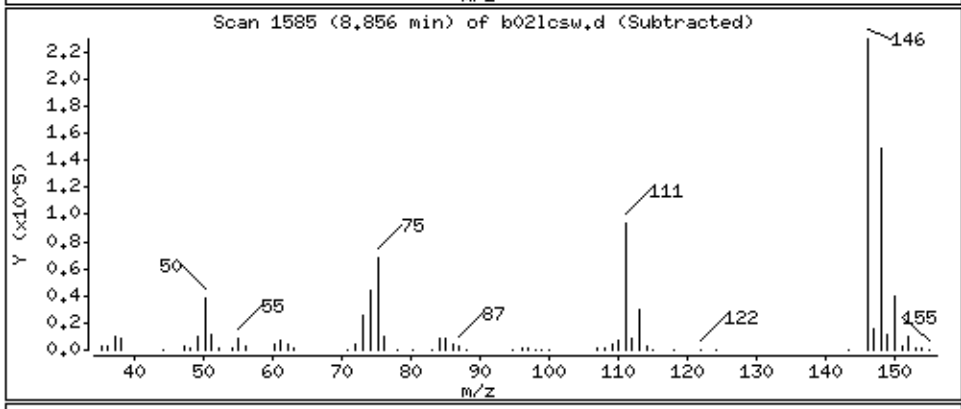
Column diameter: 0.18

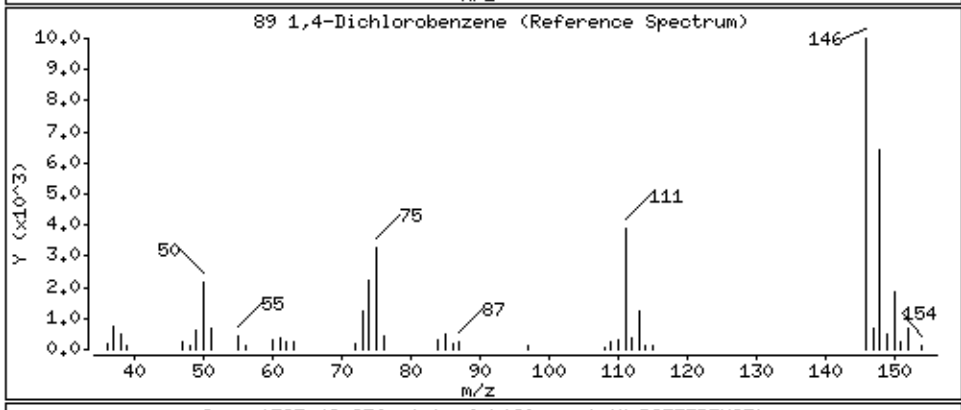
89 1,4-Dichlorobenzene

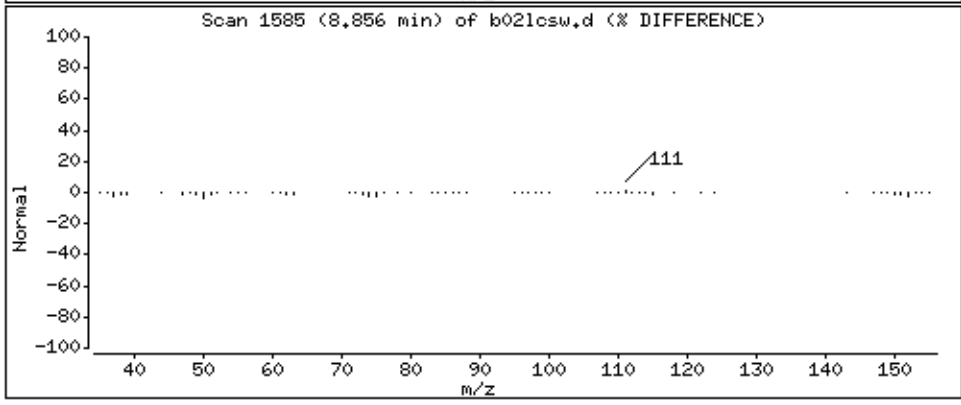
Concentration: 46.5 ppb

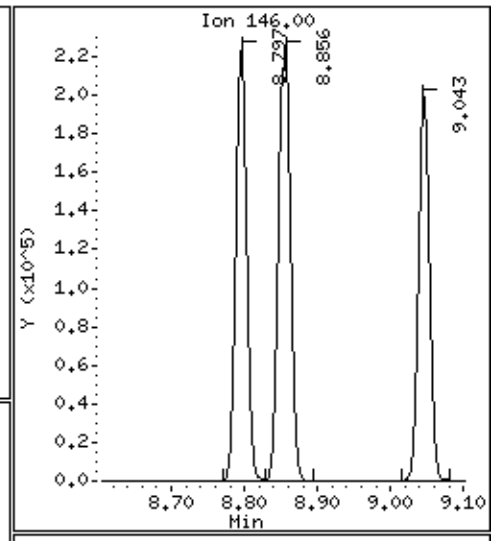
Review Code:

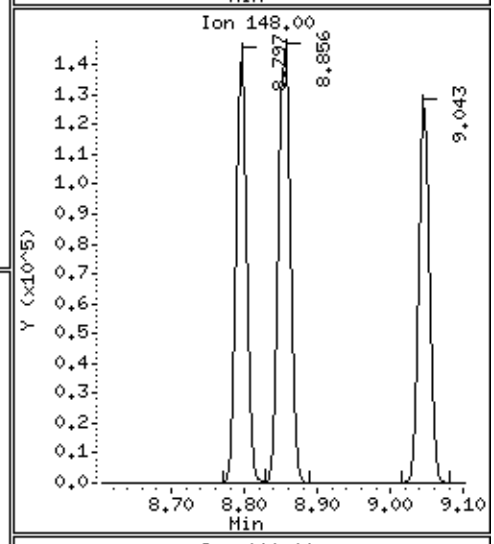


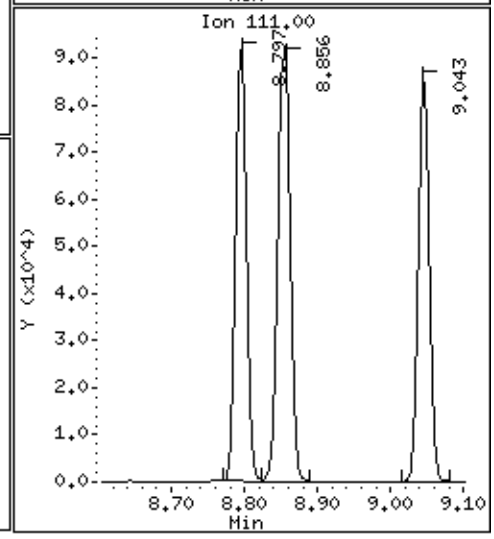












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

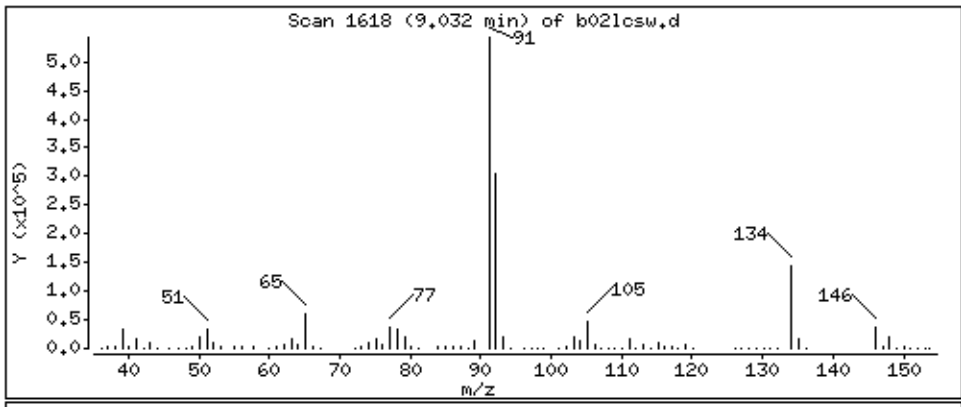
Column phase: DB-624

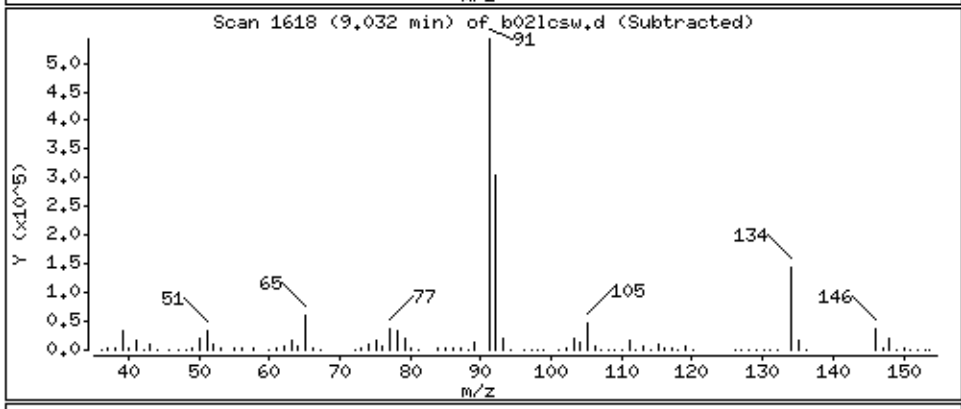
Column diameter: 0.18

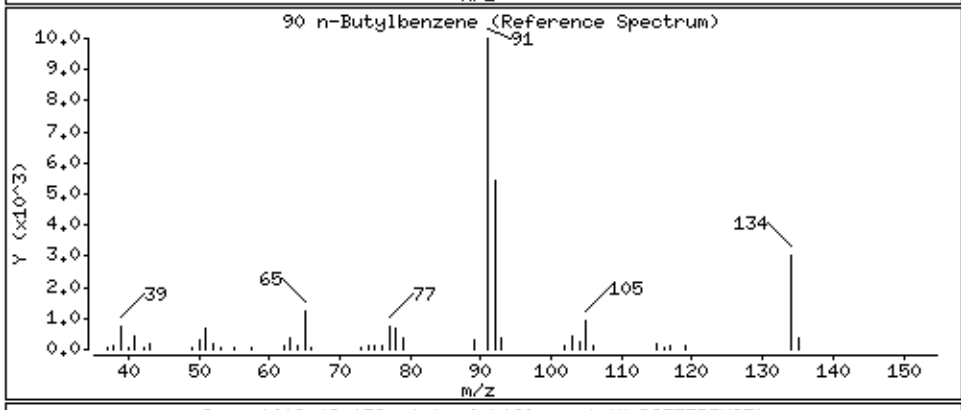
90 n-Butylbenzene

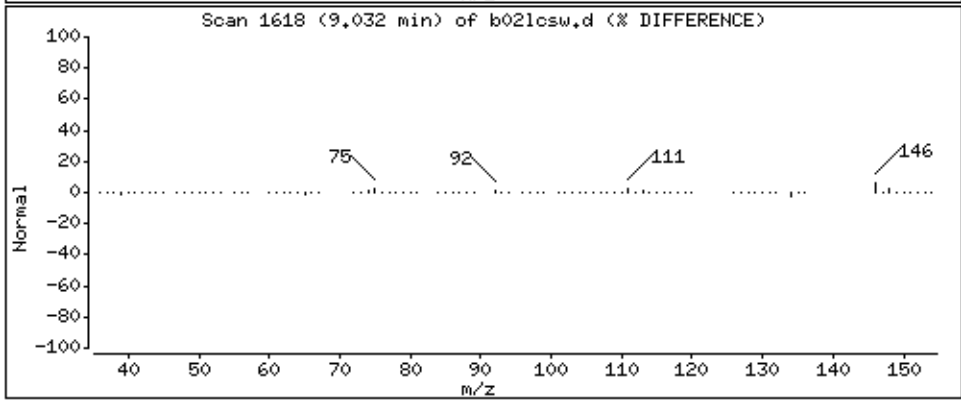
Concentration: 54.0 ppb

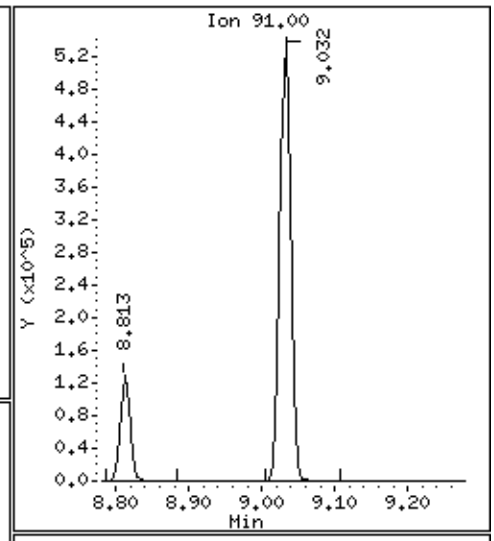
Review Code:

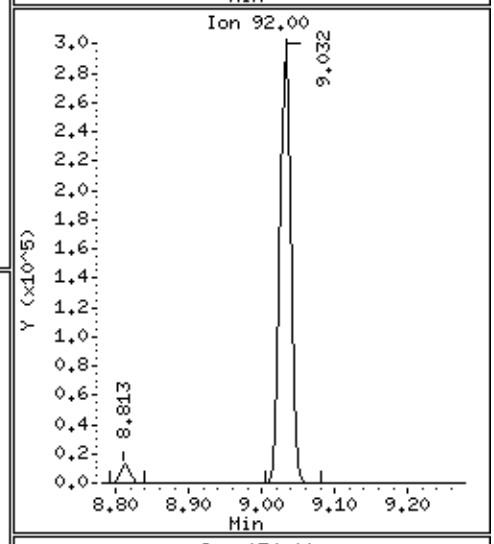


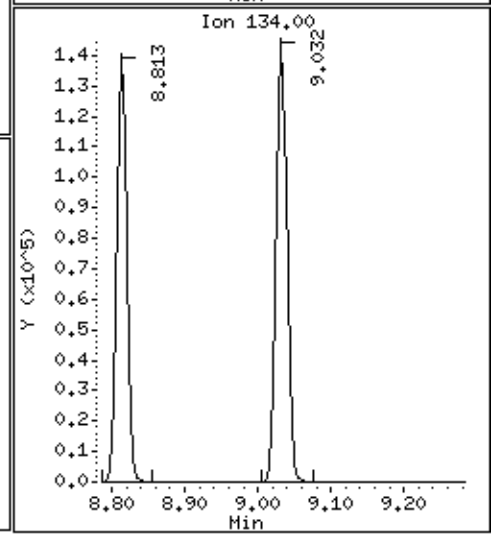












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

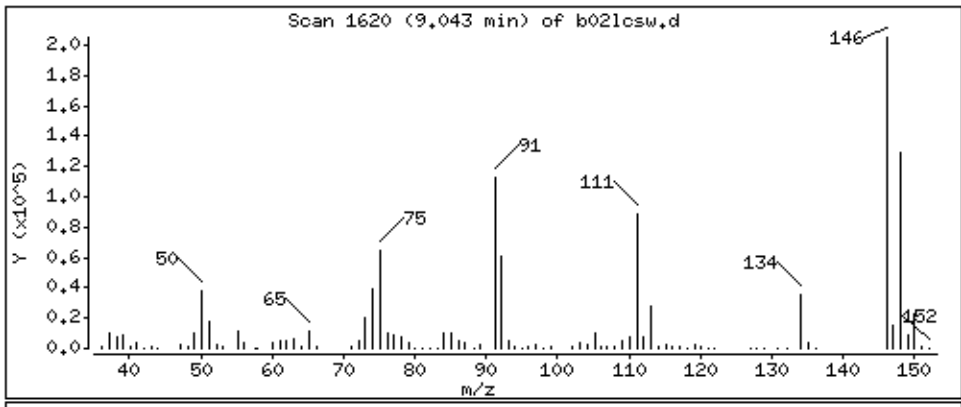
Column phase: DB-624

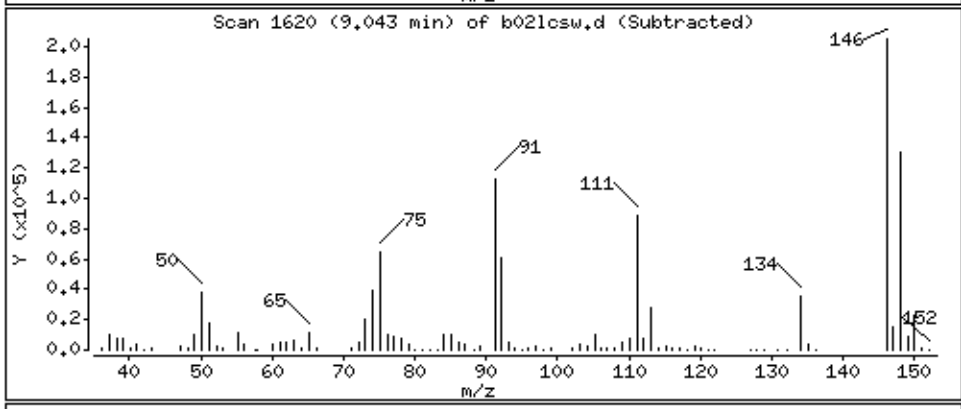
Column diameter: 0.18

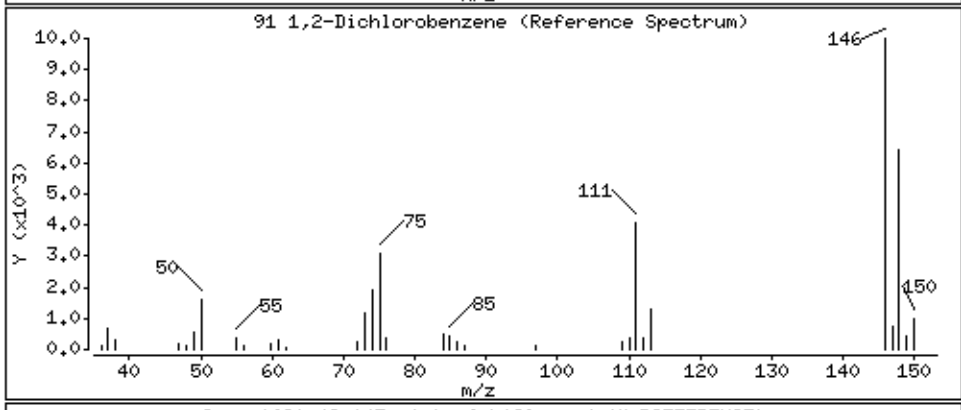
91 1,2-Dichlorobenzene

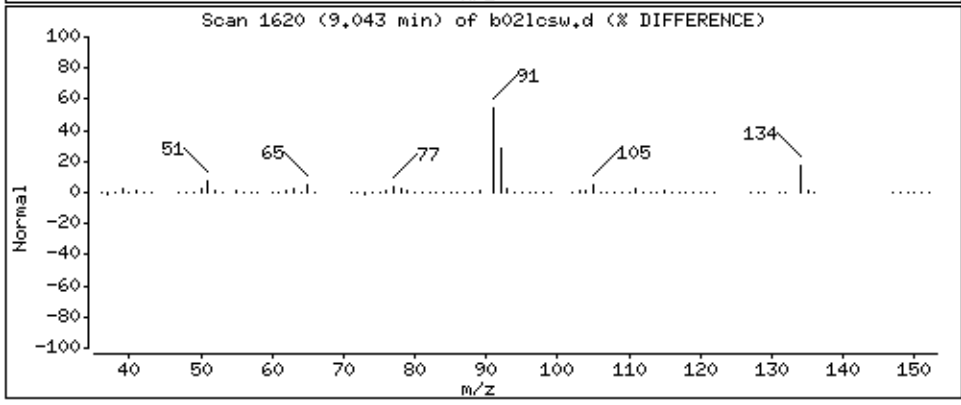
Concentration: 48.8 ppb

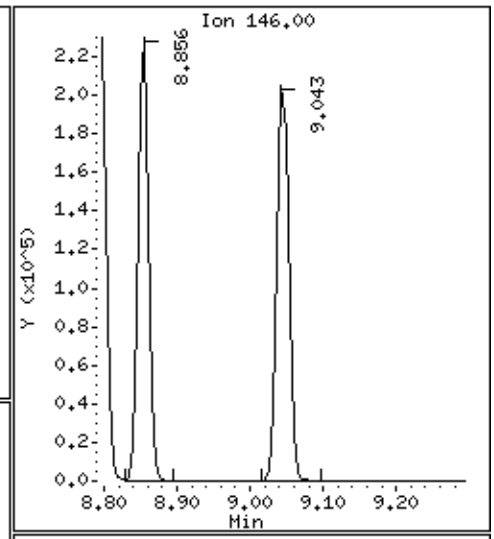
Review Code:

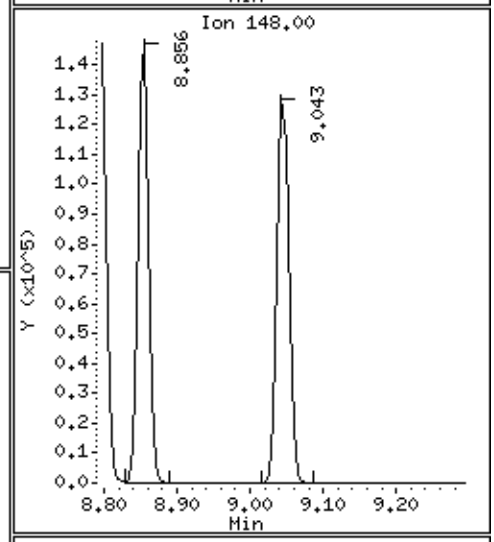


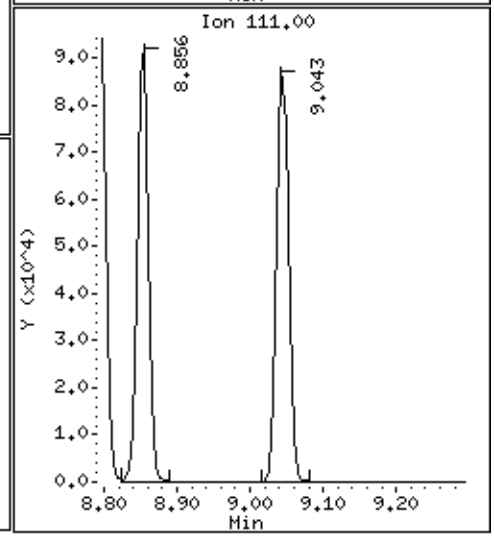












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

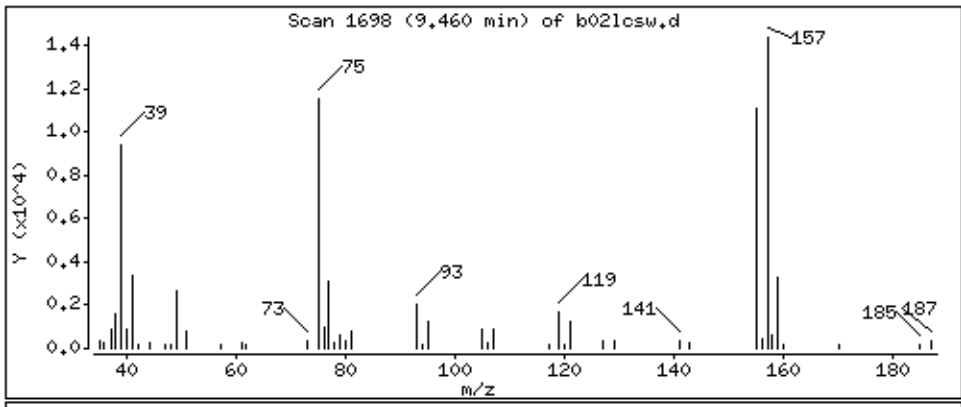
Column phase: DB-624

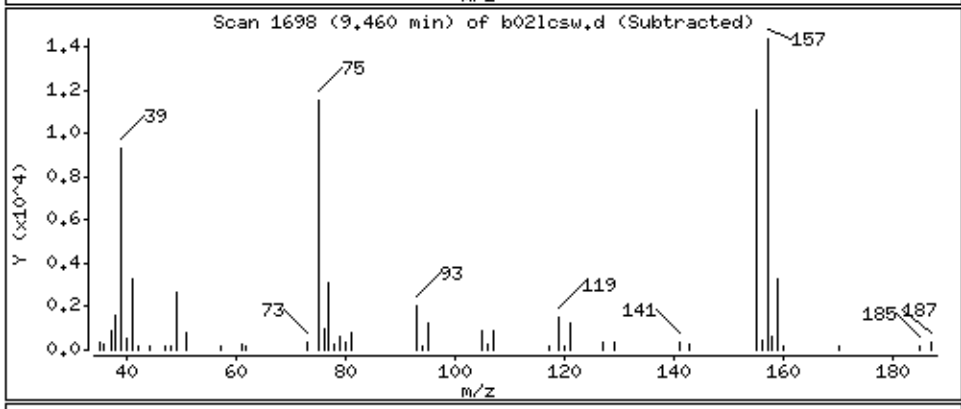
Column diameter: 0.18

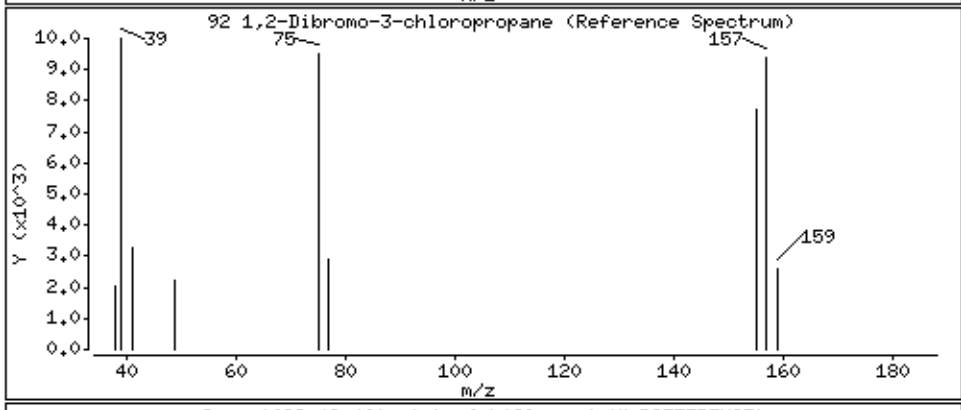
92 1,2-Dibromo-3-chloropropane

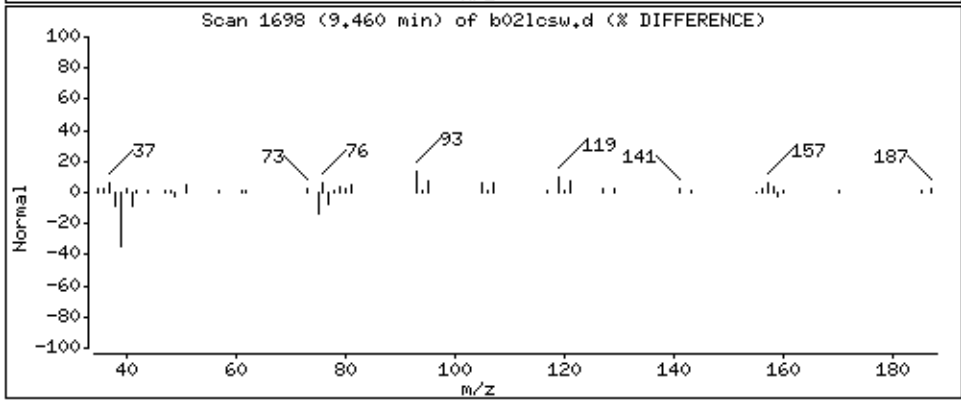
Concentration: 50.6 ppb

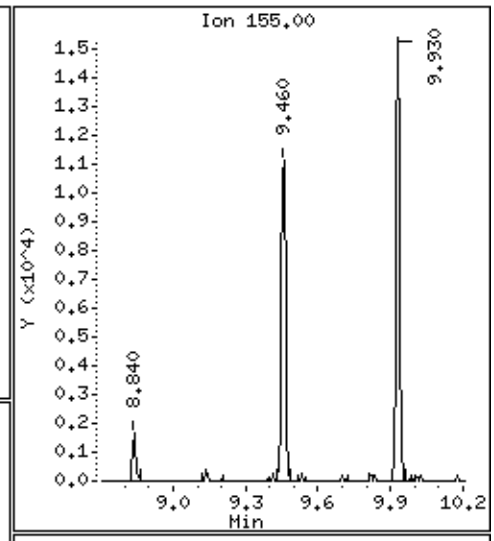
Review Code:

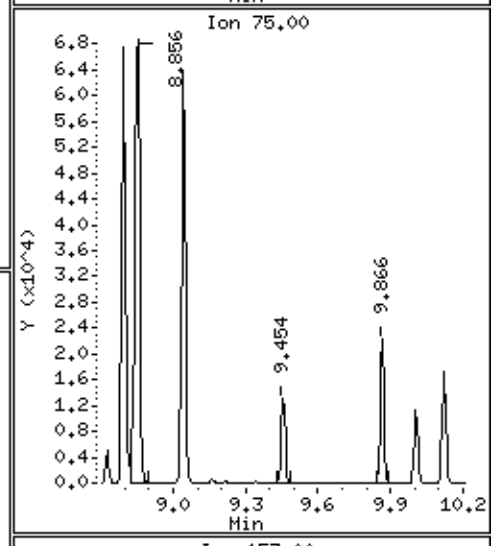


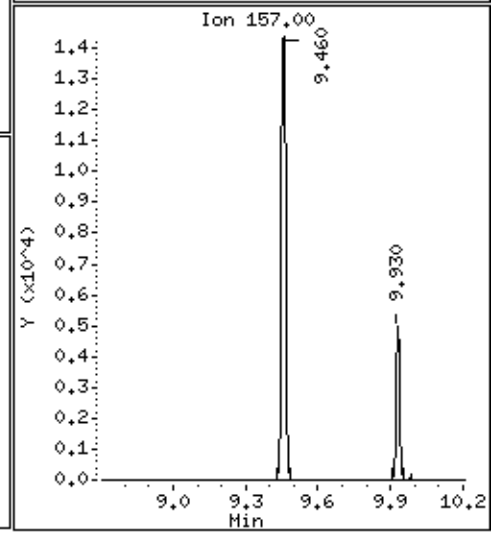












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

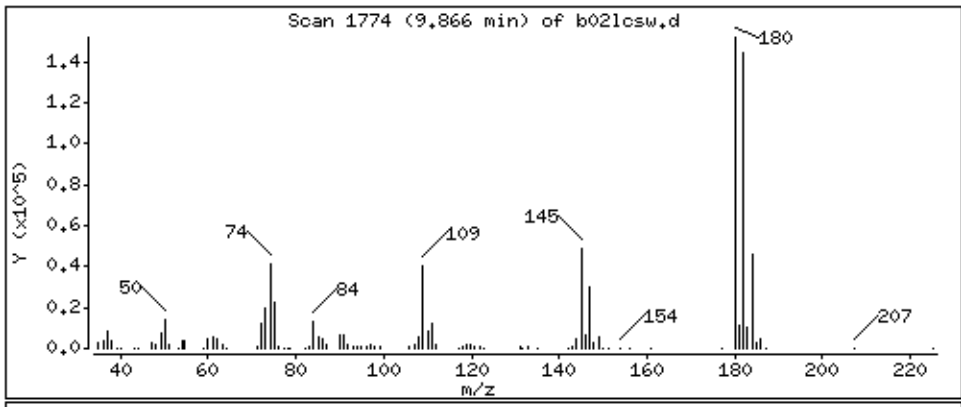
Column phase: DB-624

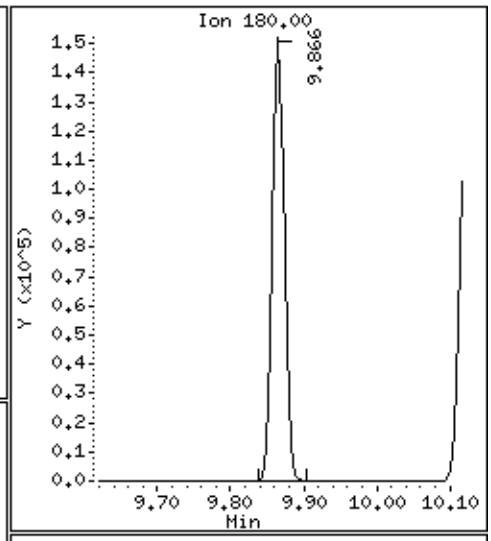
Column diameter: 0.18

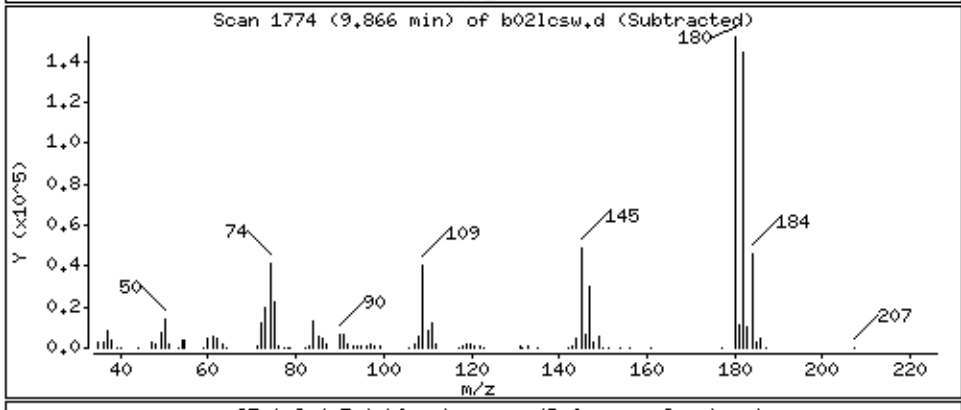
93 1,2,4-Trichlorobenzene

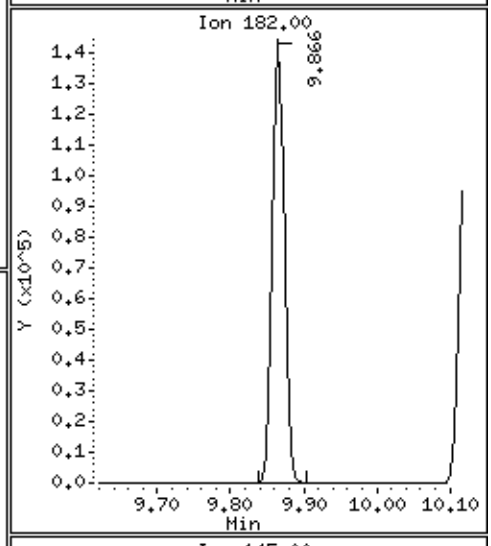
Concentration: 55.0 ppb

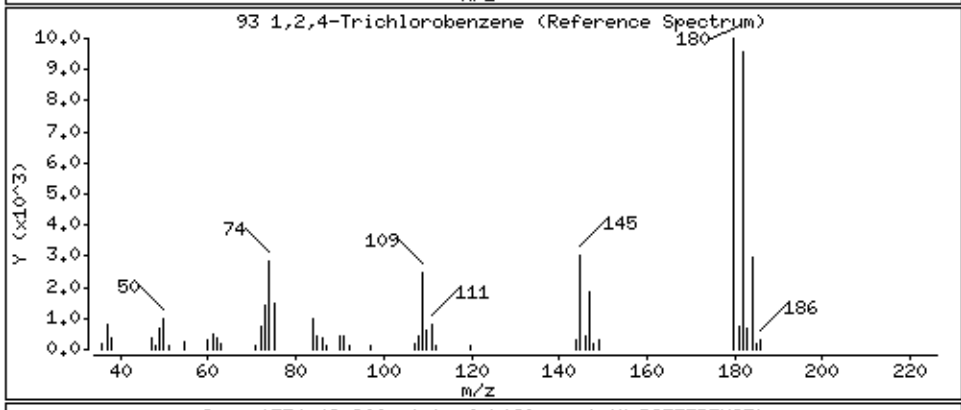
Review Code:

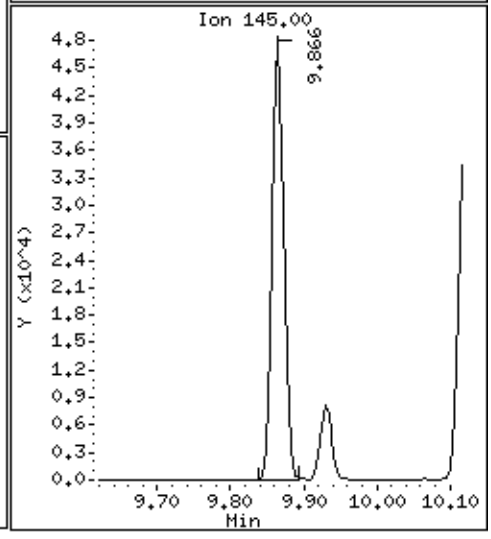


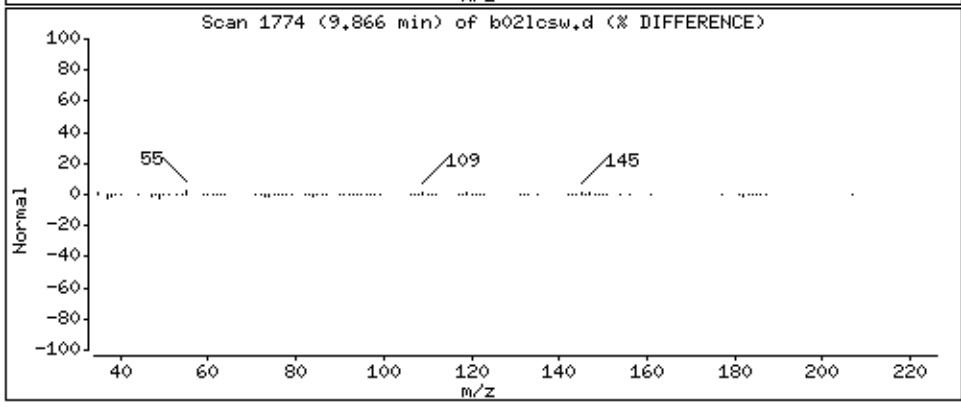












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

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Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

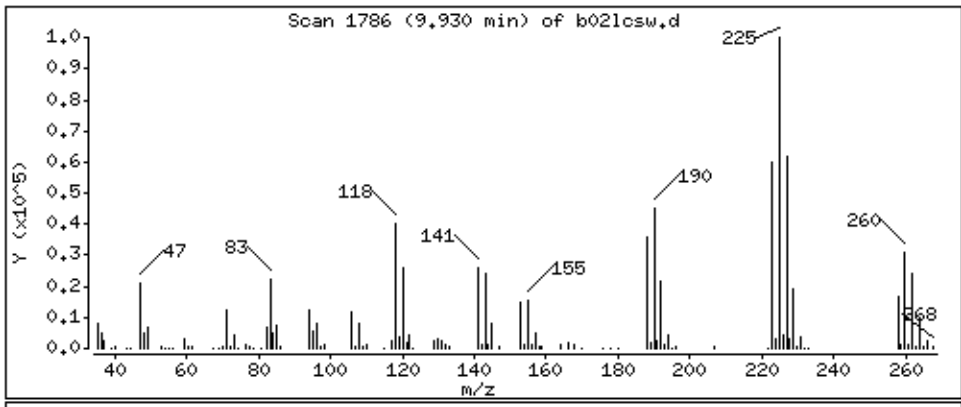
Column phase: DB-624

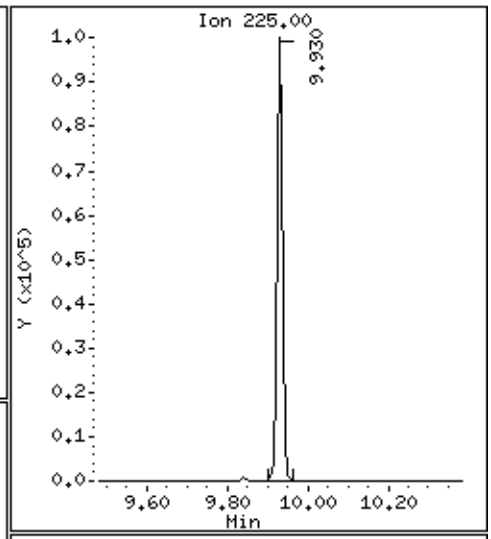
Column diameter: 0.18

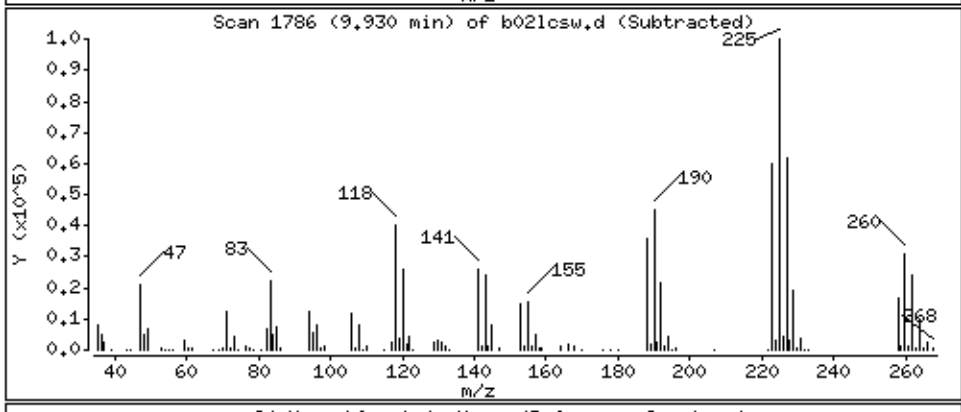
94 Hexachlorobutadiene

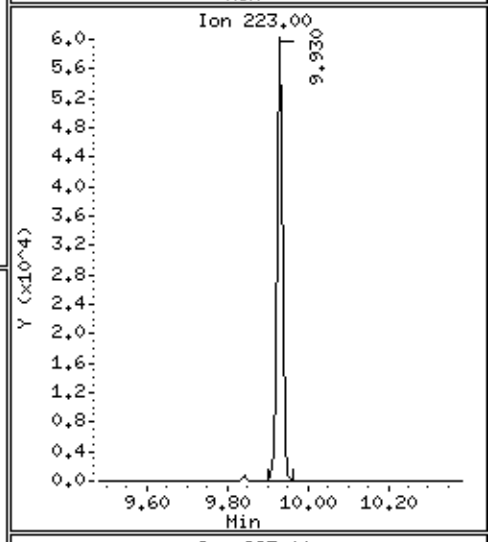
Concentration: 57.8 ppb

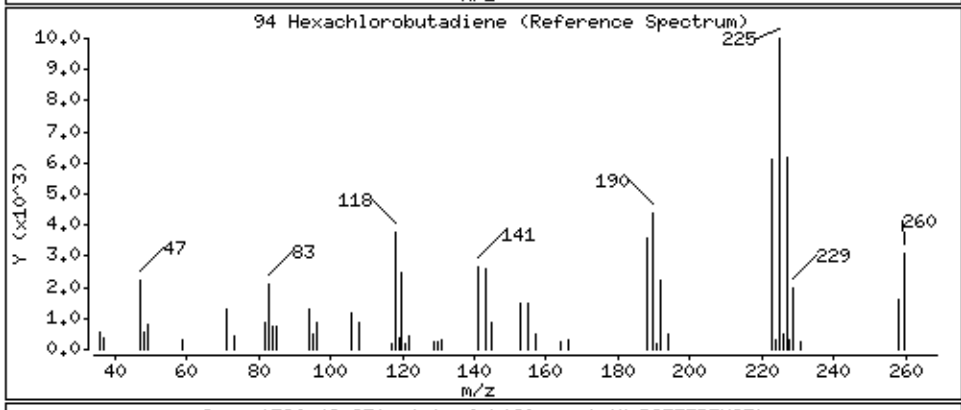
Review Code:

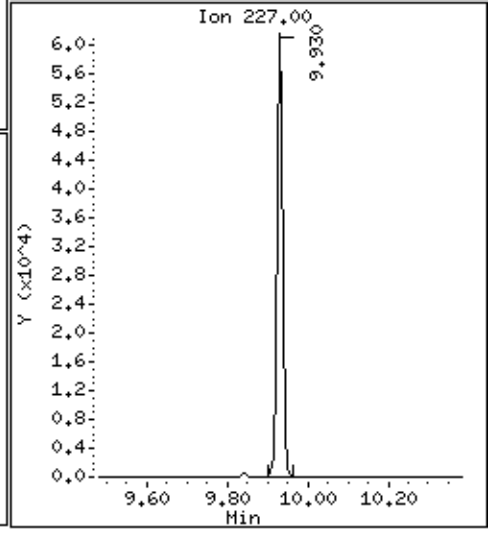


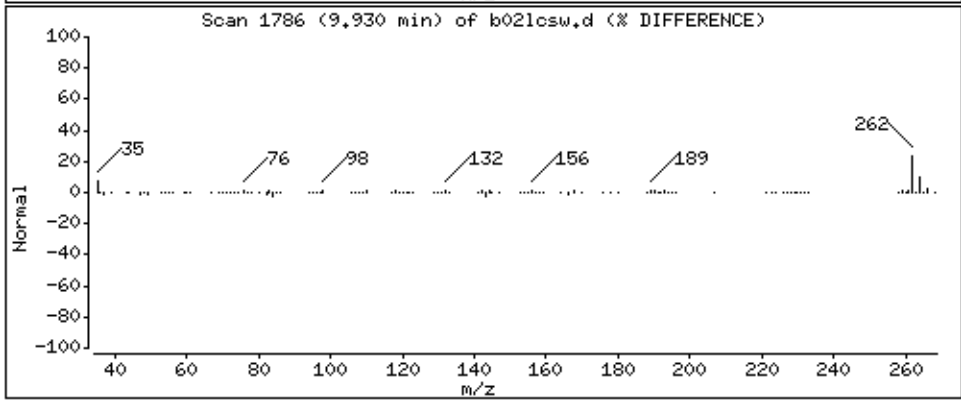












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

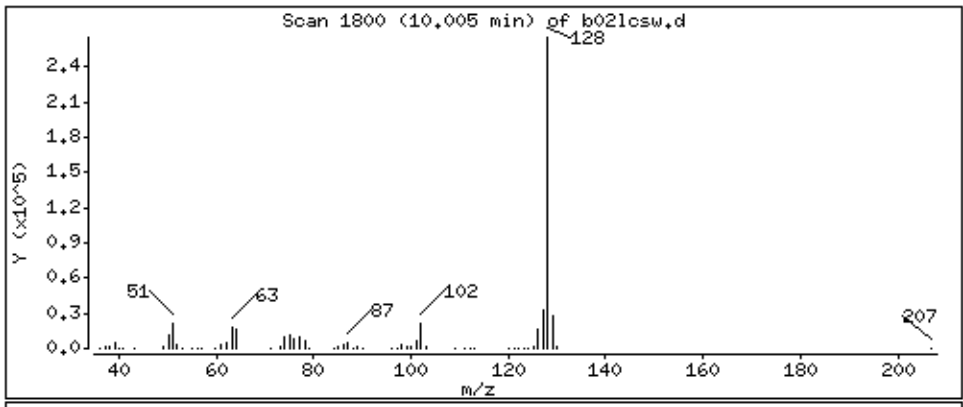
Column phase: DB-624

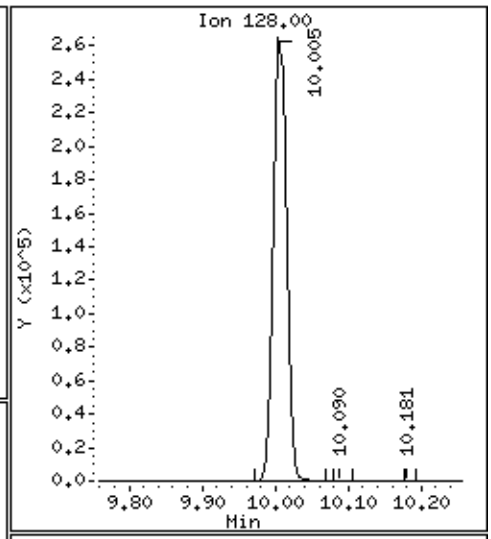
Column diameter: 0.18

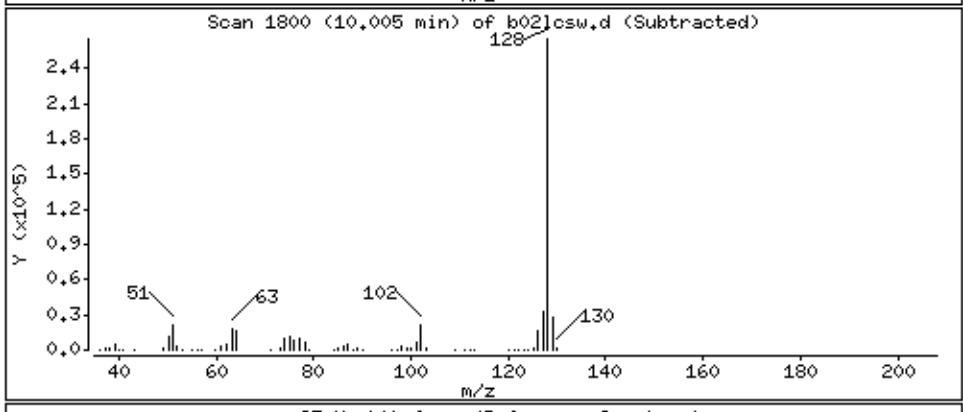
95 Naphthalene

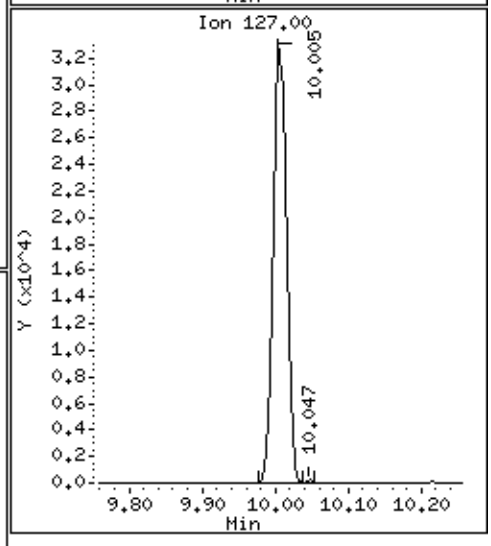
Concentration: 53.3 ppb

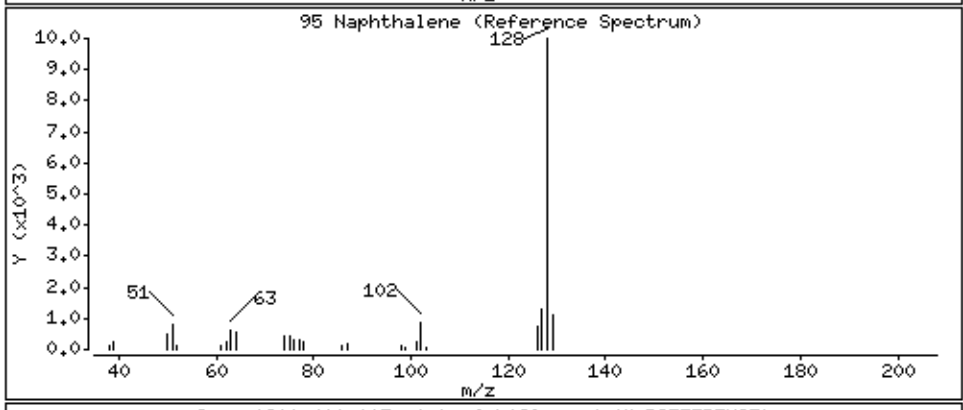
Review Code:

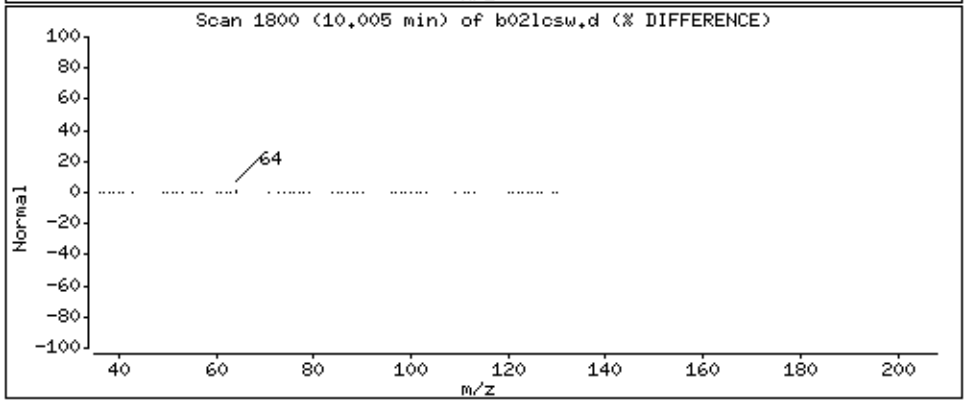












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

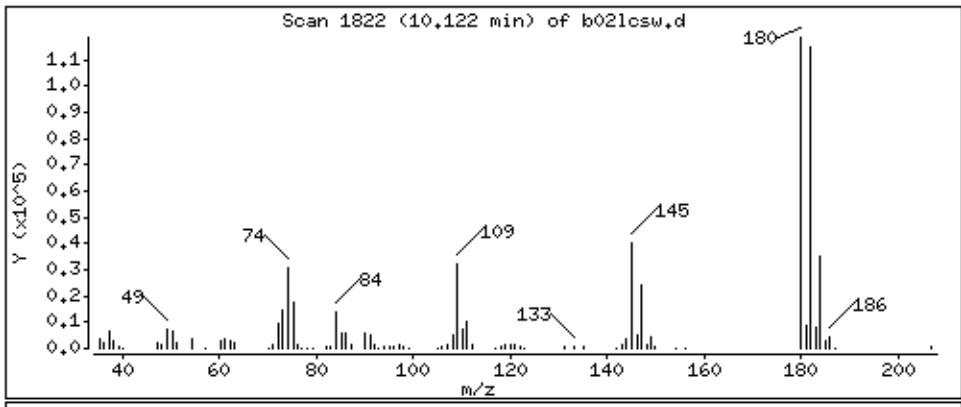
Column phase: DB-624

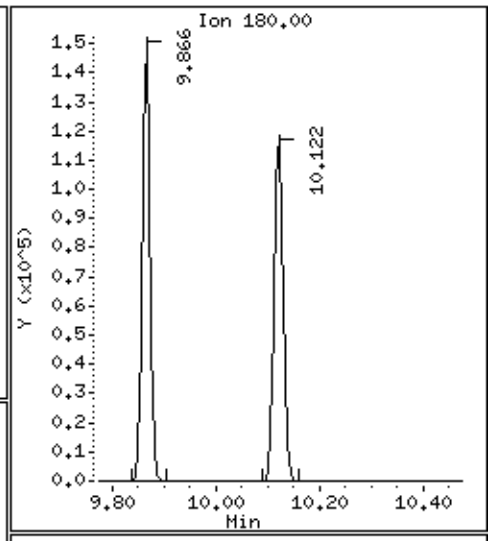
Column diameter: 0.18

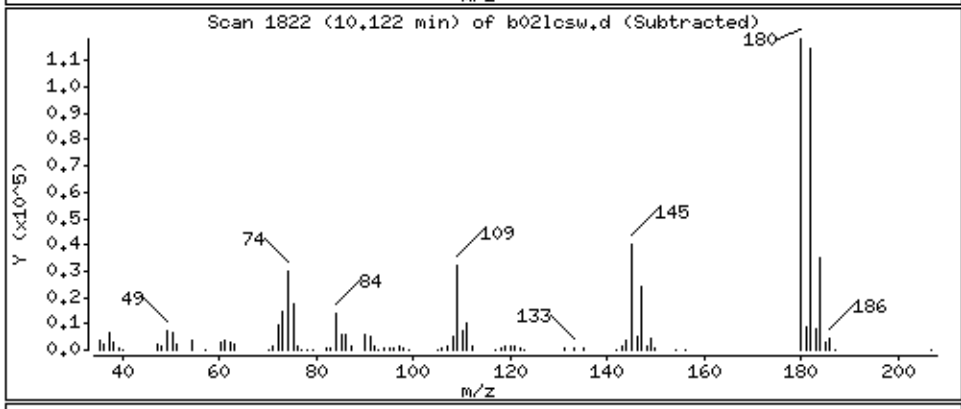
96 1,2,3-Trichlorobenzene

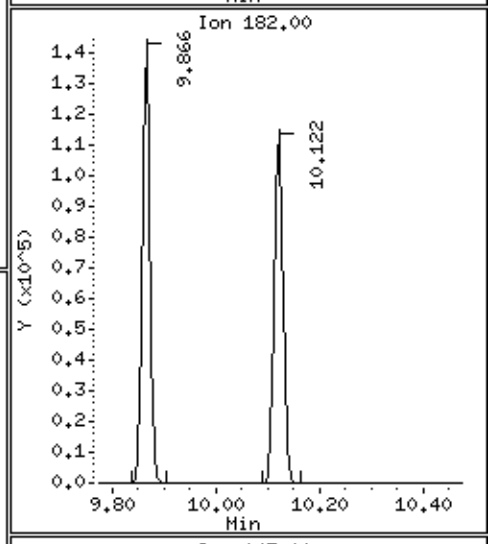
Concentration: 53.6 ppb

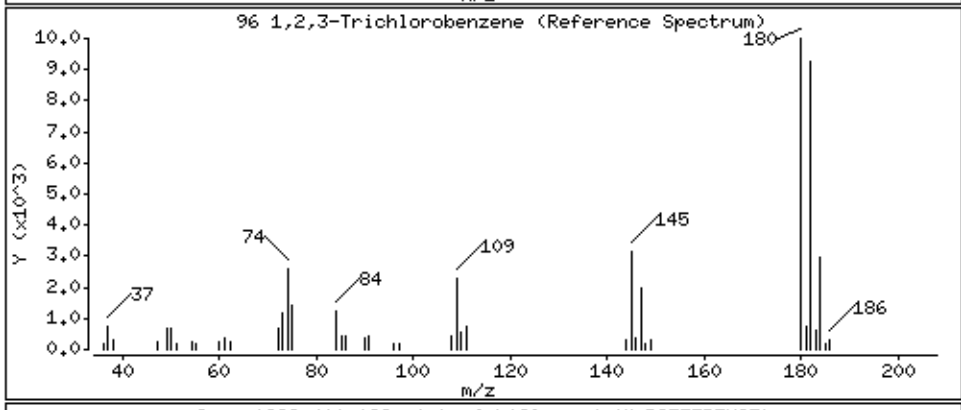
Review Code:

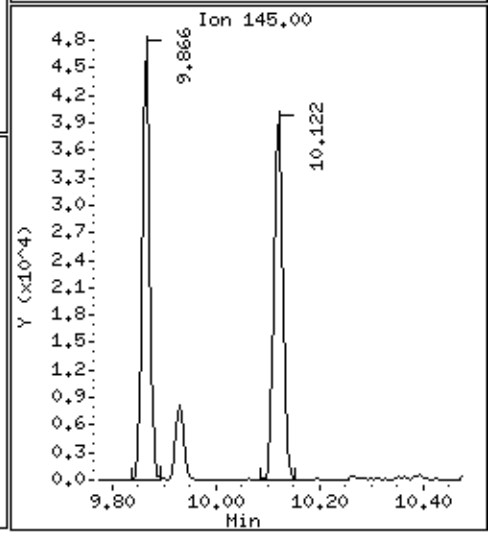


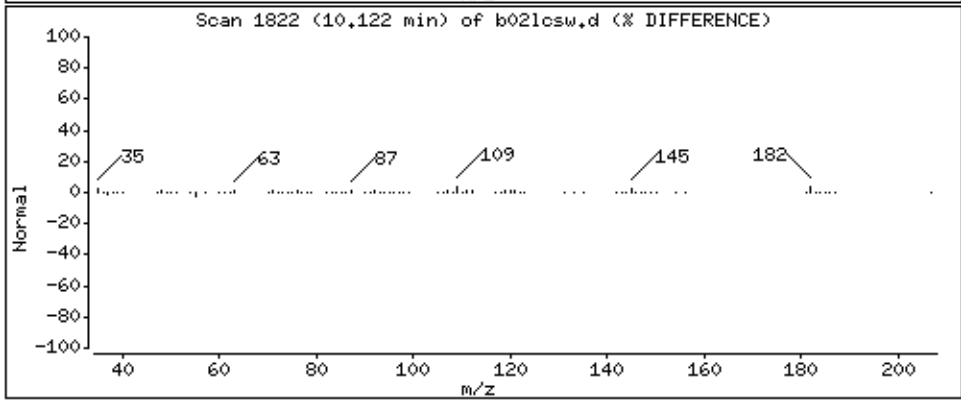












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

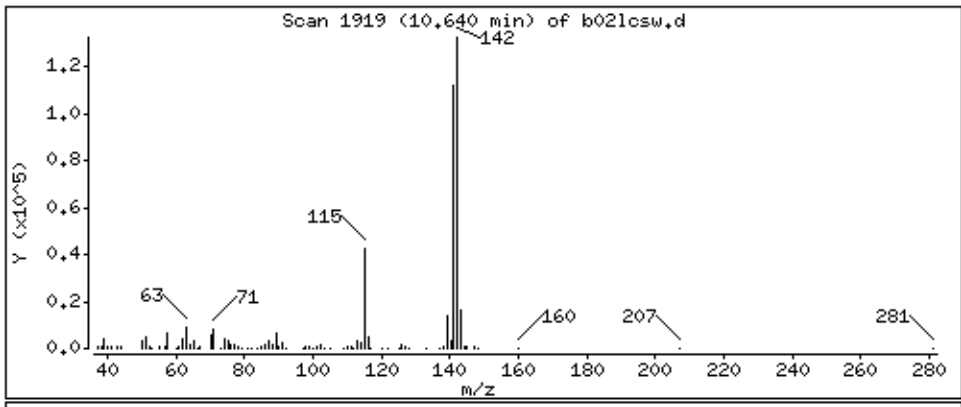
Column phase: DB-624

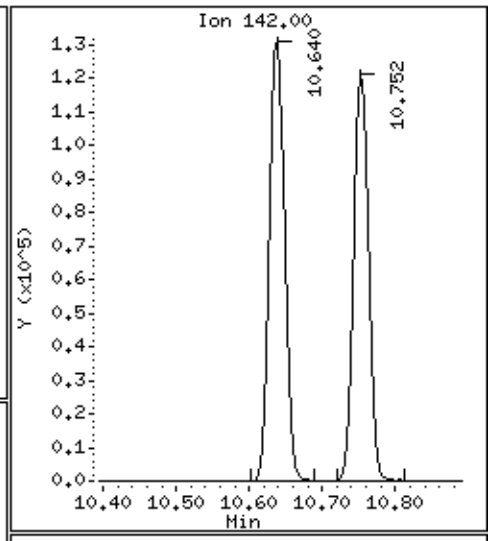
Column diameter: 0.18

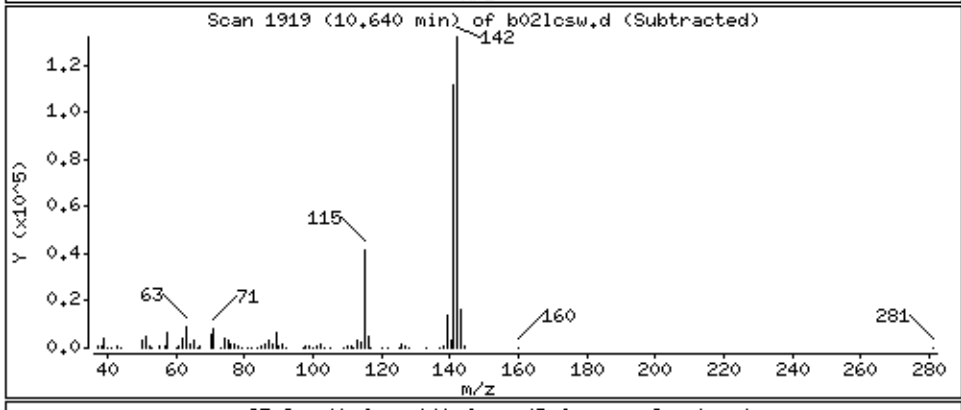
97 2,methyl-naphthalene

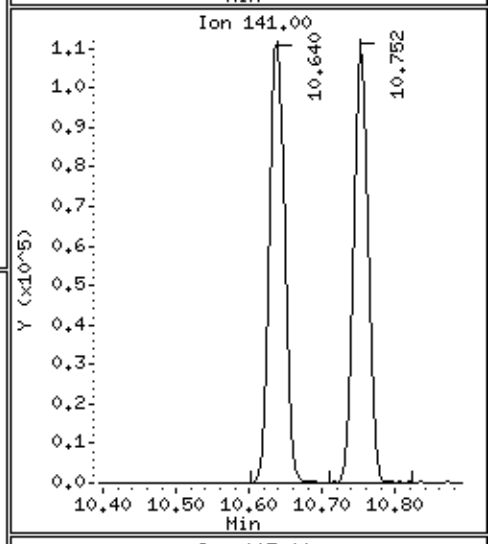
Concentration: 52.0 ppb

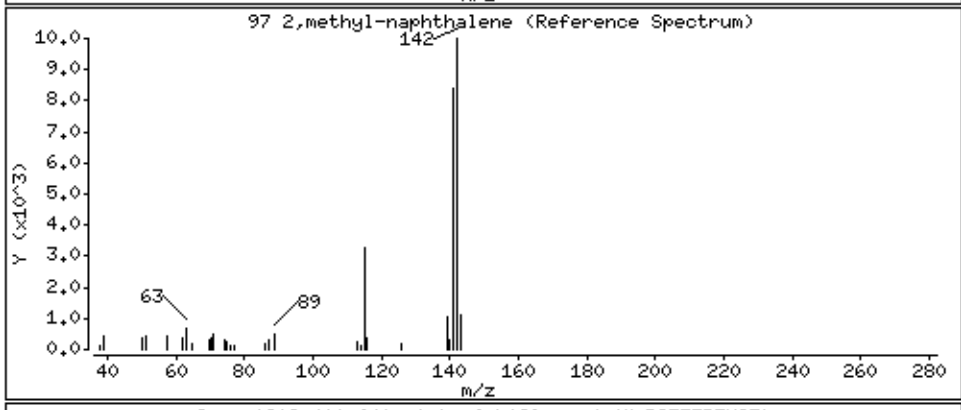
Review Code:

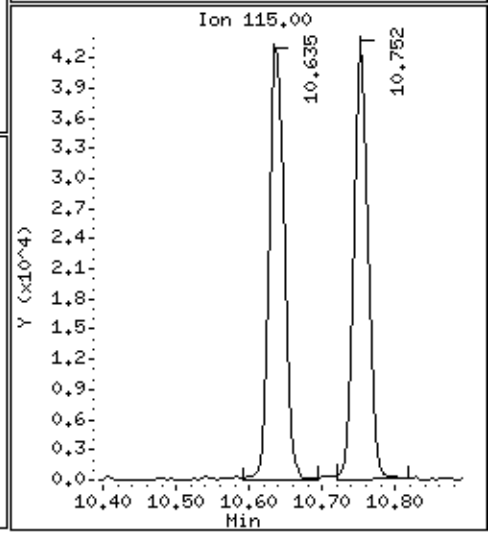


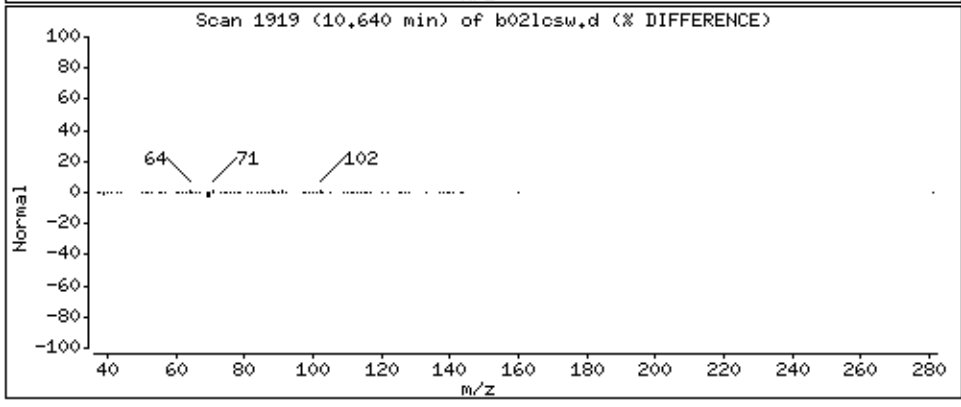












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

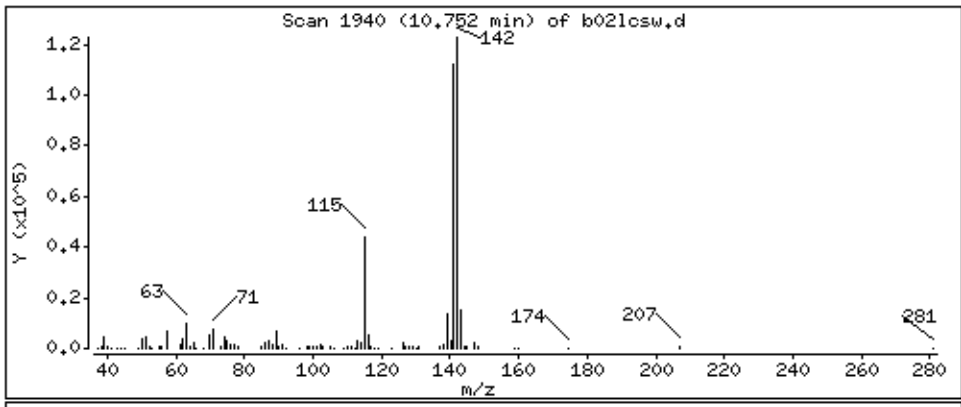
Column phase: DB-624

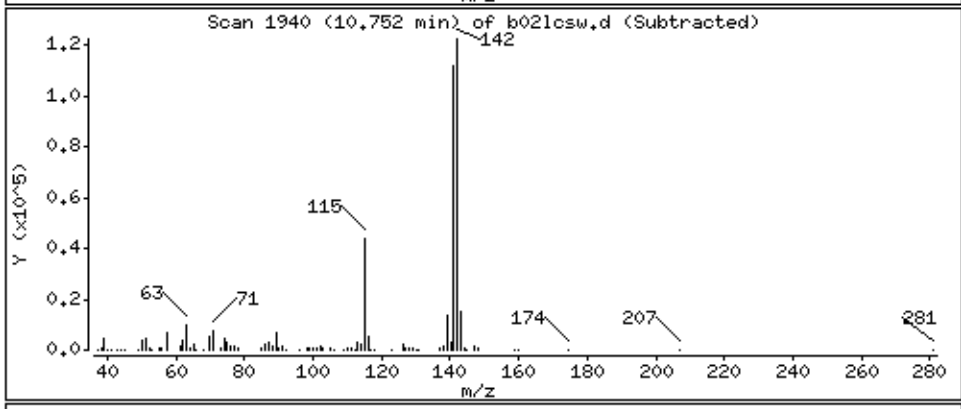
Column diameter: 0.18

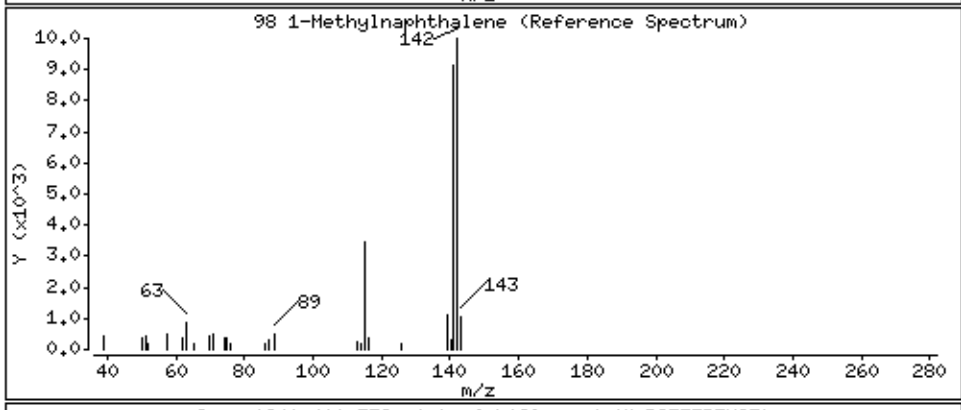
98 1-Methylnaphthalene

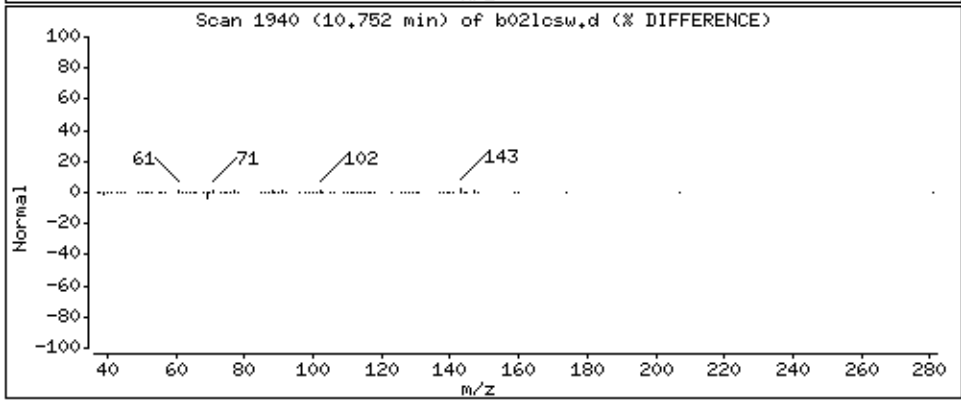
Concentration: 62.7 ppb

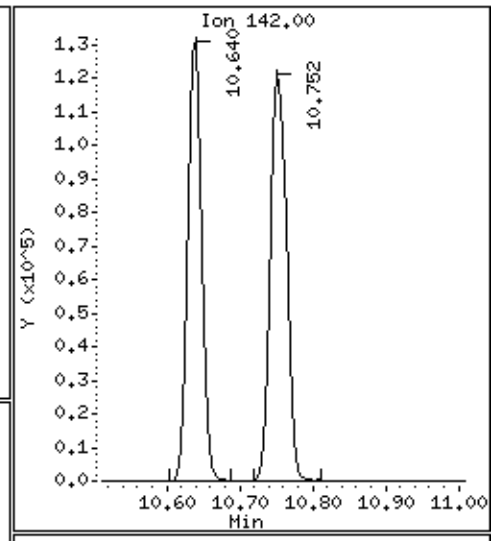
Review Code:

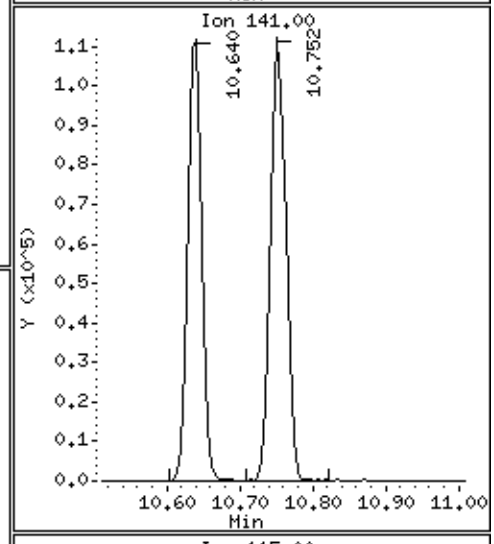


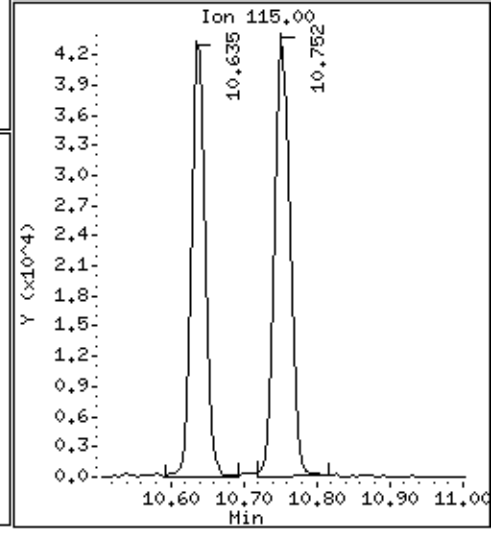












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

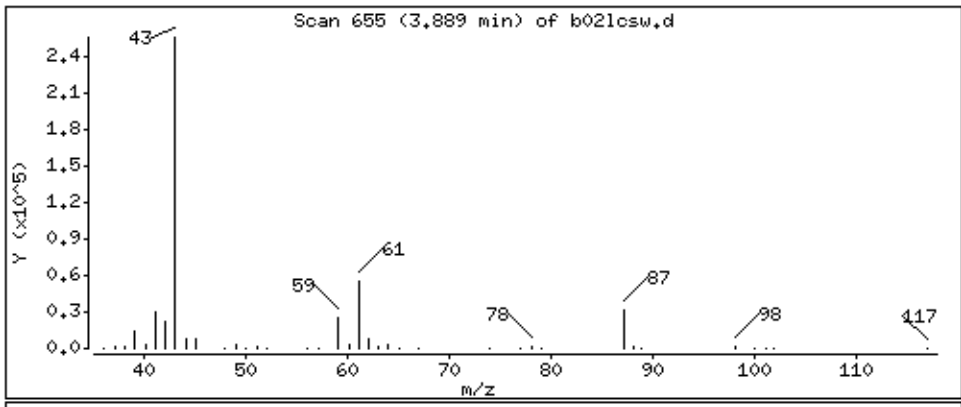
Column phase: DB-624

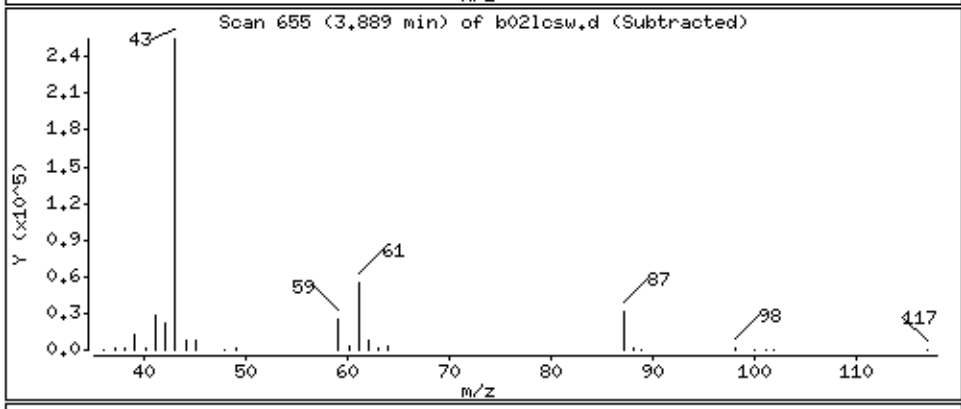
Column diameter: 0.18

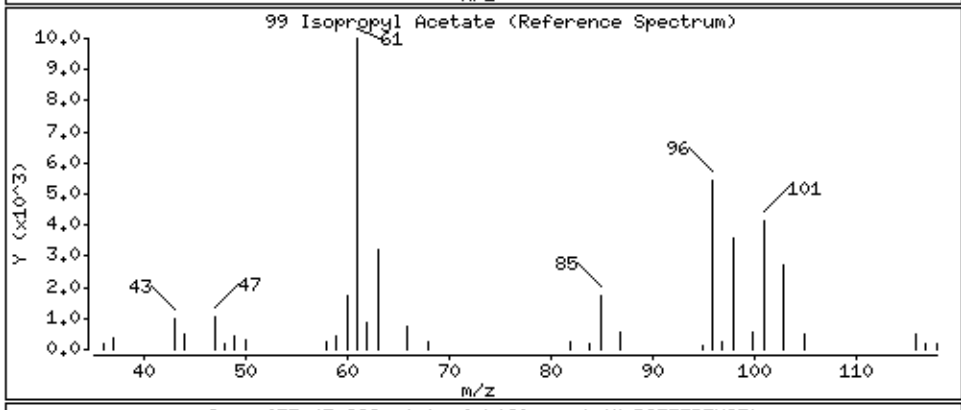
99 Isopropyl Acetate

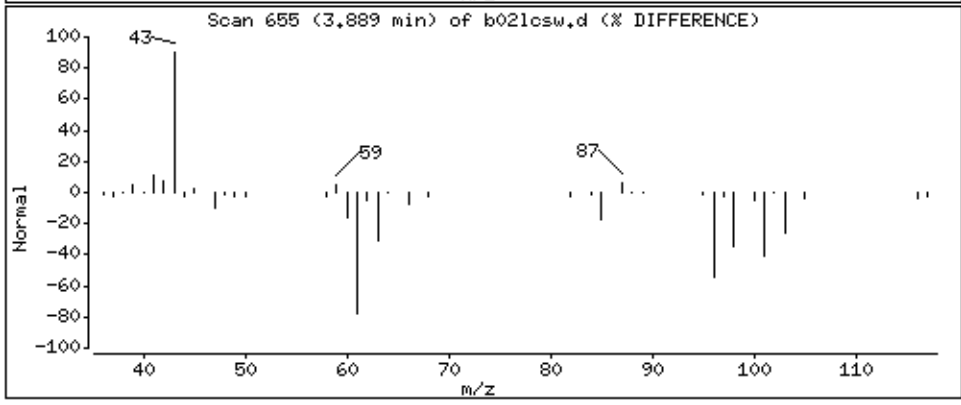
Concentration: 295 ppb

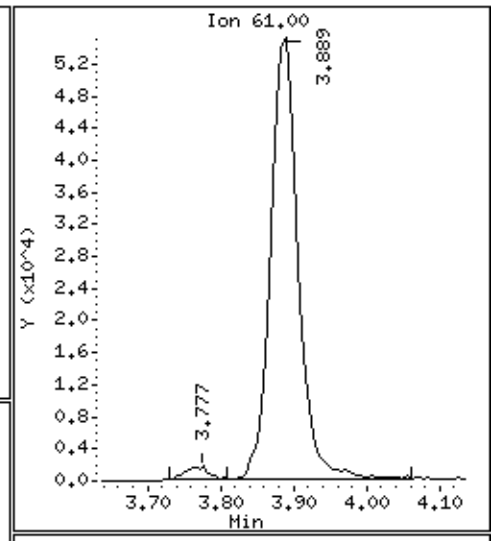
Review Code:

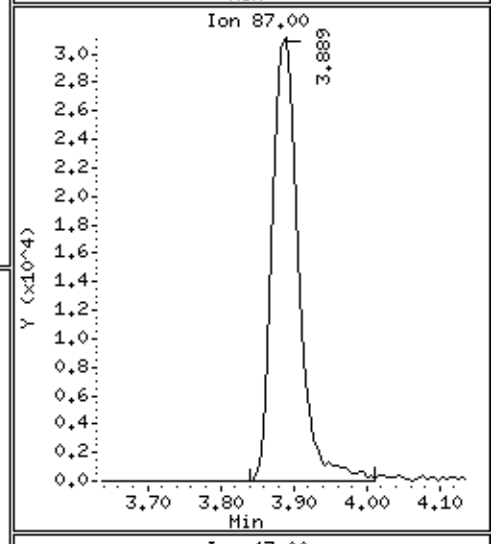


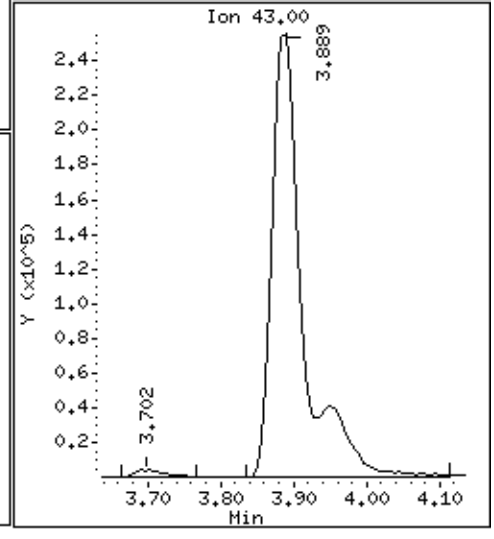












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

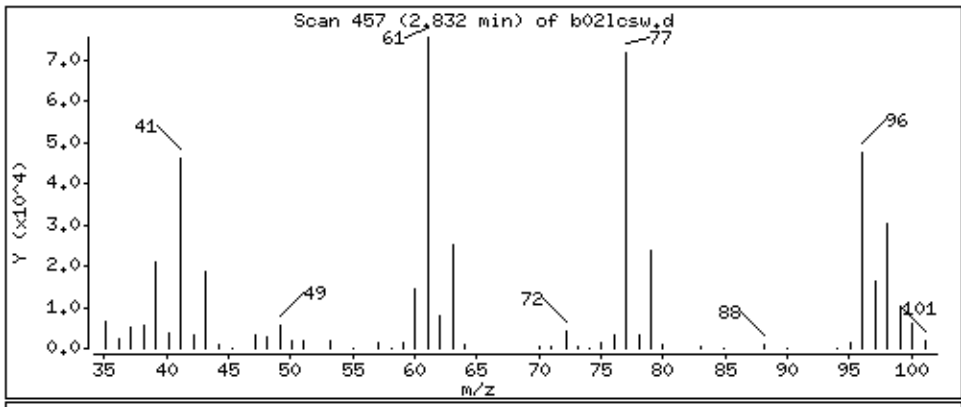
Column phase: DB-624

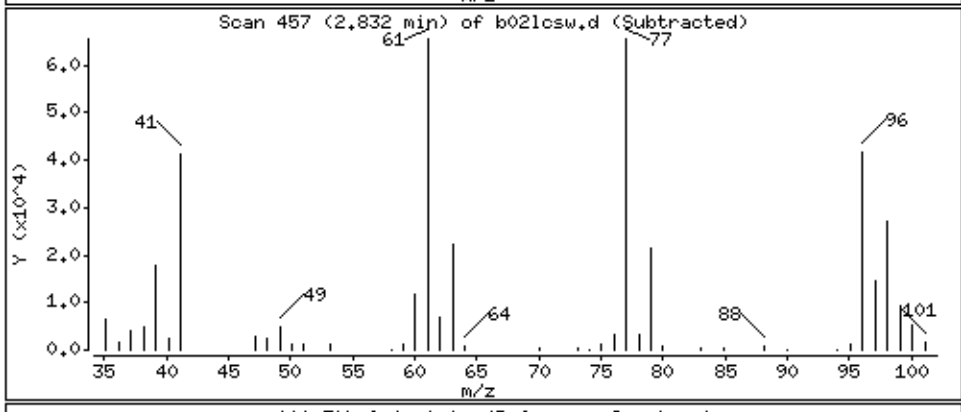
Column diameter: 0.18

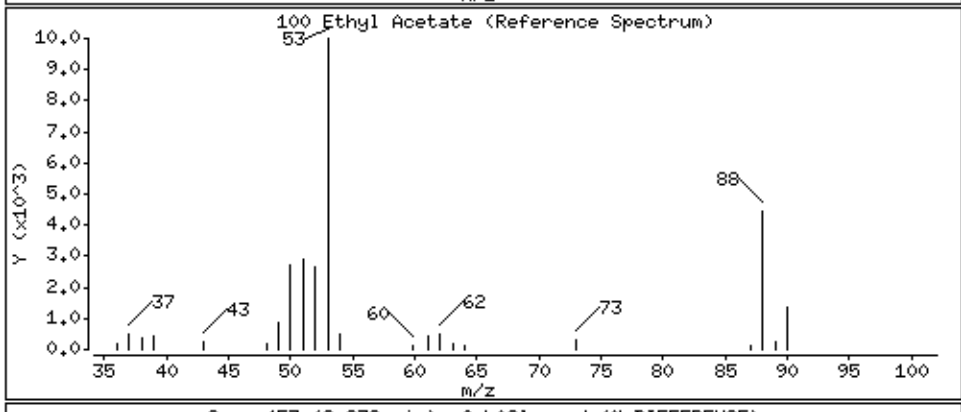
100 Ethyl Acetate

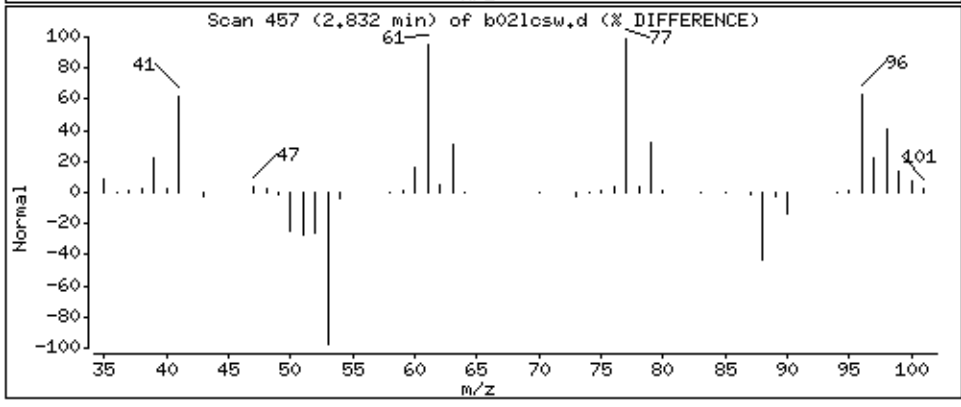
Concentration: 34.4 ppb

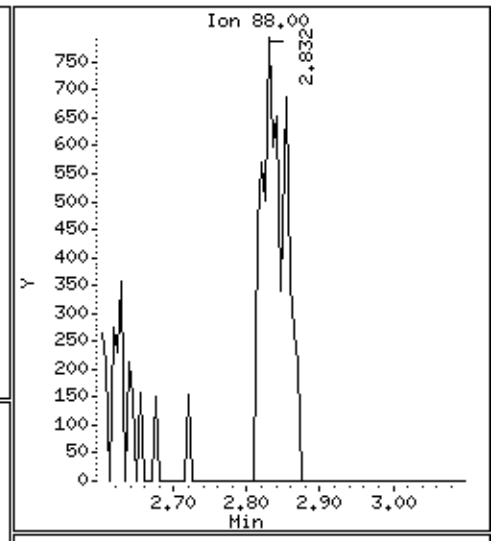
Review Code:

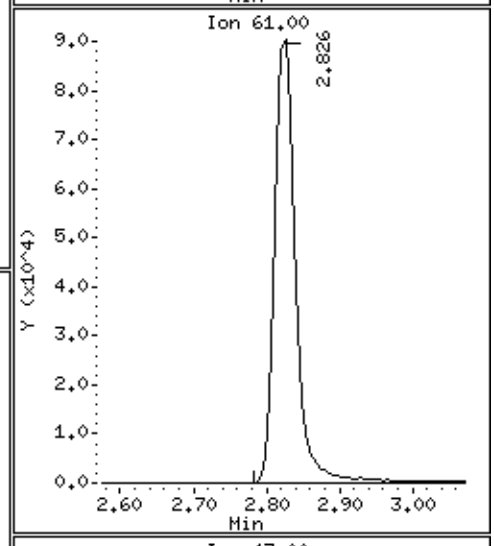


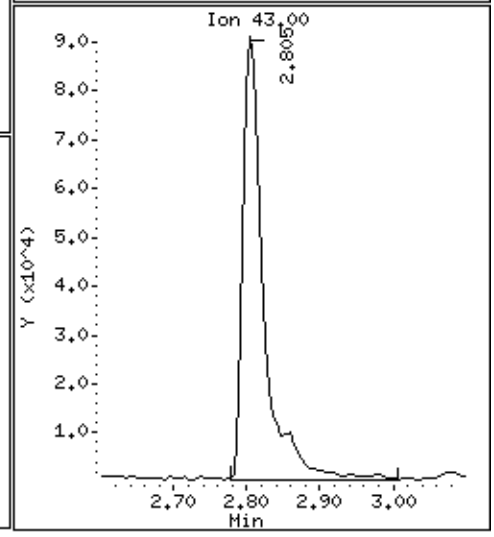












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b02lcsw.d

Date : 06-OCT-2016 13:16

Client ID:

Instrument: 50mv3b.i

Sample Info: 1642750,132007:5

Purge Volume: 5.0

Operator: jlz

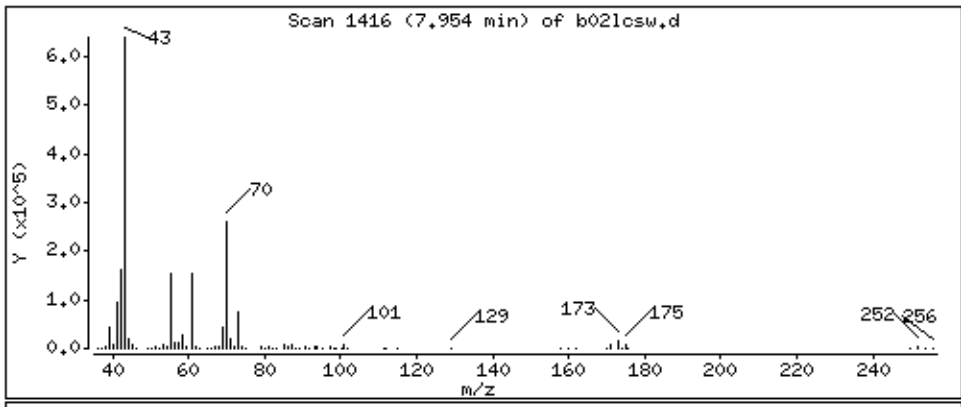
Column phase: DB-624

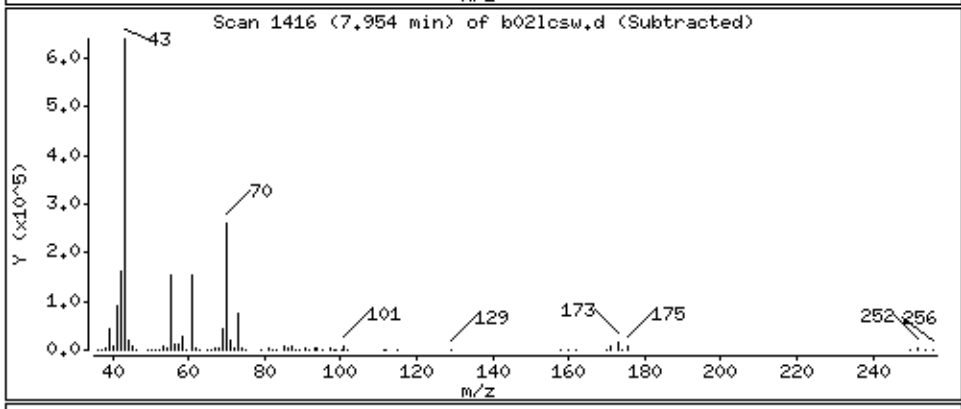
Column diameter: 0.18

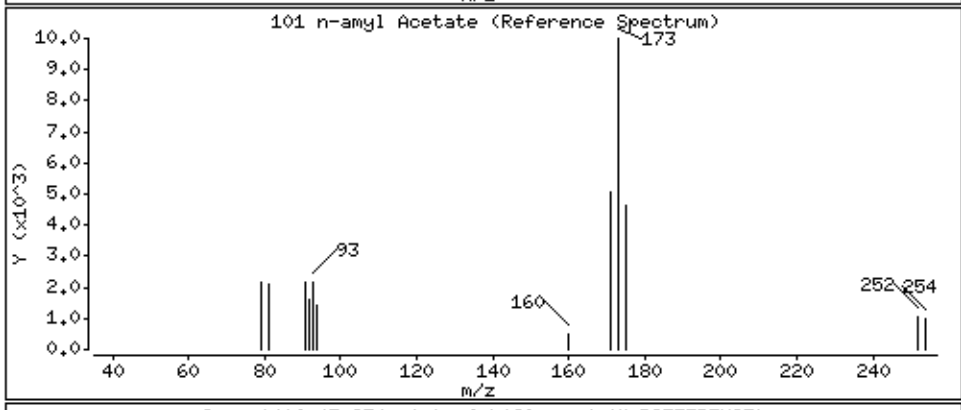
101 n-amyl Acetate

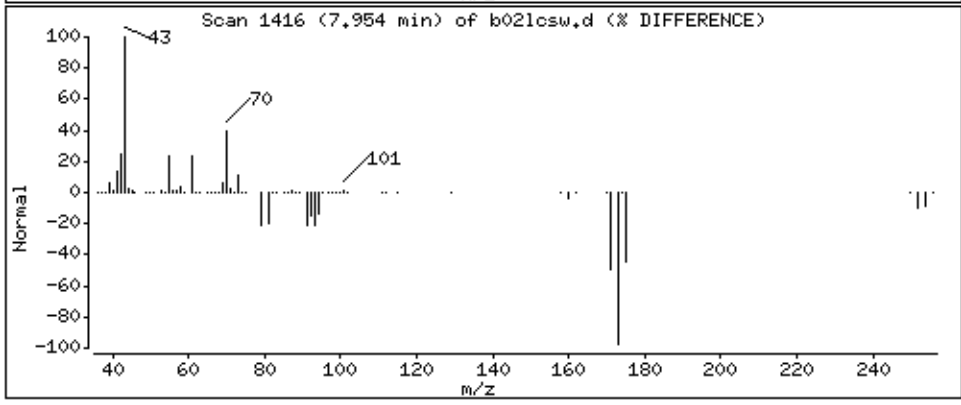
Concentration: 80.5 ppb

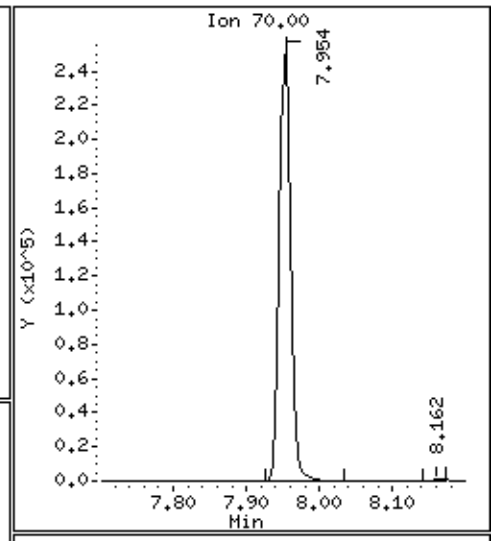
Review Code:

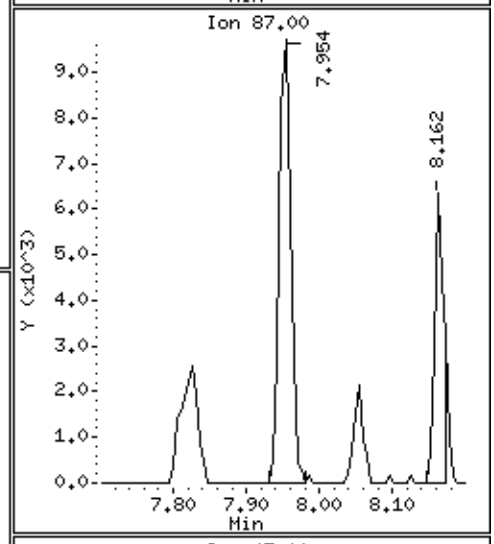


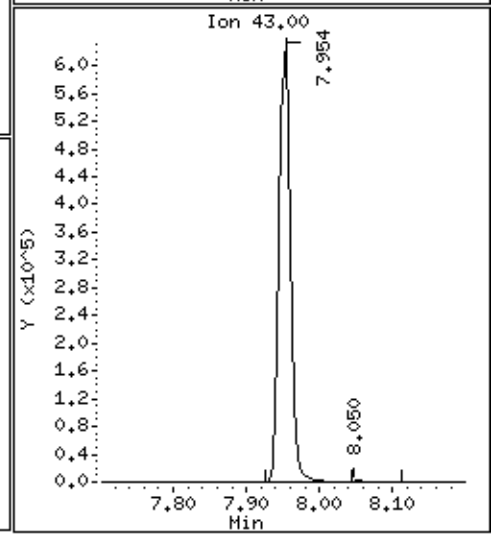












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Injection Date: 06-OCT-2016 13:16
Instrument: 50mv3b.i
Lab Sample ID: 1642750
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 23:25 Lab Sample ID: 1642751

Date Analyzed: 10/06/2016 23:25 Lab File ID: B100616.B\B21.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	400	
71-43-2	Benzene	43.7	
75-27-4	Bromodichloromethane	47.1	
75-25-2	Bromoform	43.6	
74-83-9	Bromomethane	38.1	
78-93-3	2-Butanone (MEK)	285	
75-15-0	Carbon disulfide	44.5	
56-23-5	Carbon tetrachloride	41.2	
108-90-7	Chlorobenzene	35.0	
75-00-3	Chloroethane	41.9	
67-66-3	Chloroform	41.9	
74-87-3	Chloromethane	37.9	
110-82-7	Cyclohexane	45.6	J
96-12-8	1,2-Dibromo-3-chloropropane	53.4	
124-48-1	Dibromochloromethane	44.8	
106-93-4	1,2-Dibromoethane (EDB)	47.4	
95-50-1	1,2-Dichlorobenzene	32.8	
541-73-1	1,3-Dichlorobenzene	29.0	
106-46-7	1,4-Dichlorobenzene	28.4	
75-71-8	Dichlorodifluoromethane	50.2	
75-34-3	1,1-Dichloroethane	46.3	
107-06-2	1,2-Dichloroethane	41.9	
75-35-4	1,1-Dichloroethene	48.8	
156-59-2	cis-1,2-Dichloroethene	48.1	
156-60-5	trans-1,2-Dichloroethene	46.2	
78-87-5	1,2-Dichloropropane	49.5	
10061-01-5	cis-1,3-Dichloropropene	43.8	
10061-02-6	trans-1,3-Dichloropropene	45.9	
100-41-4	Ethylbenzene	35.6	
591-78-6	2-Hexanone	270	
98-82-8	Isopropylbenzene (Cumene)	32.1	
79-20-9	Methyl acetate	60.1	
108-87-2	Methylcyclohexane	47.4	J
75-09-2	Methylene Chloride	56.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	252	
1634-04-4	Methyl-tert-butyl ether	49.8	
100-42-5	Styrene	37.0	

SAMPLE NO.

MS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 23:25 Lab Sample ID: 1642751

Date Analyzed: 10/06/2016 23:25 Lab File ID: B100616.B\B21.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	49.0	
127-18-4	Tetrachloroethene	33.4	
108-88-3	Toluene	35.2	
120-82-1	1,2,4-Trichlorobenzene	32.5	
71-55-6	1,1,1-Trichloroethane	42.0	
79-00-5	1,1,2-Trichloroethane	45.7	
79-01-6	Trichloroethene	41.0	
75-69-4	Trichlorofluoromethane	43.8	
76-13-1	1,1,2-Trichlorotrifluoroethane	48.1	
75-01-4	Vinyl chloride	47.4	
1330-20-7	Xylene (Total)	105	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d
Lab Smp Id: 1642751 Client Smp ID: MW-0501-S1(092716)P
Inj Date : 06-OCT-2016 23:25
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642751,132007:5
Misc Info : 95583
Comment :
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Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 44 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.915	0.916	(0.219)	121427	50.2195	50.2	
2	Chloromethane	50	0.996	0.996	(0.239)	136600	37.9490	37.9	
3	Vinyl Chloride	62	1.044	1.044	(0.250)	146381	47.4125	47.4	
4	Bromomethane	94	1.188	1.188	(0.285)	51192	38.0774	38.1	
5	Chloroethane	64	1.236	1.236	(0.296)	75726	41.9097	41.9	
6	Trichlorofluoromethane	101	1.348	1.348	(0.323)	146227	43.7912	43.8	
7	Diethyl ether	74	1.476	1.471	(0.354)	51921	49.3634	49.4	
8	1,2-dichlorotrifluoroethane	67	1.492	1.487	(0.358)	110840	42.4616	42.5	
9	Acrolein	56	1.546	1.546	(0.370)	237634	1105.13	1100	
10	1,1,2trichlorotrifluoroethane	101	1.599	1.600	(0.383)	105981	48.1017	48.1	
11	1,1-Dichloroethene	96	1.604	1.600	(0.385)	89841	48.7692	48.8	
12	Acetone	43	1.610	1.610	(0.386)	151470	399.844	400(R)	
13	Iodomethane	142	1.690	1.690	(0.405)	172108	95.1106	95.1	
14	Carbon Disulfide	76	1.738	1.738	(0.416)	277698	44.5232	44.5	
15	Methyl Acetate	43	1.781	1.781	(0.427)	66664	60.0735	60.1	
16	allyl chloride	41	1.797	1.797	(0.431)	342721	91.1204	91.1	
17	Acetonitrile	39	1.797	1.797	(0.431)	216608	40.1599	40.2	
18	Methylene Chloride	84	1.871	1.872	(0.448)	116574	56.7270	56.7	
19	tert-Butyl Alcohol	59	1.914	1.915	(0.459)	15877	110.559	110(Q)	
20	Acrylonitrile	53	2.005	2.005	(0.480)	102934	205.591	206	
21	Methyl-tert-butyl ether	73	2.032	2.032	(0.487)	234031	49.7793	49.8	
22	1,2-Dichloroethene (trans)	96	2.048	2.048	(0.491)	97254	46.1819	46.2	
23	n-Hexane	57	2.229	2.230	(0.534)	197356	47.6932	47.7	

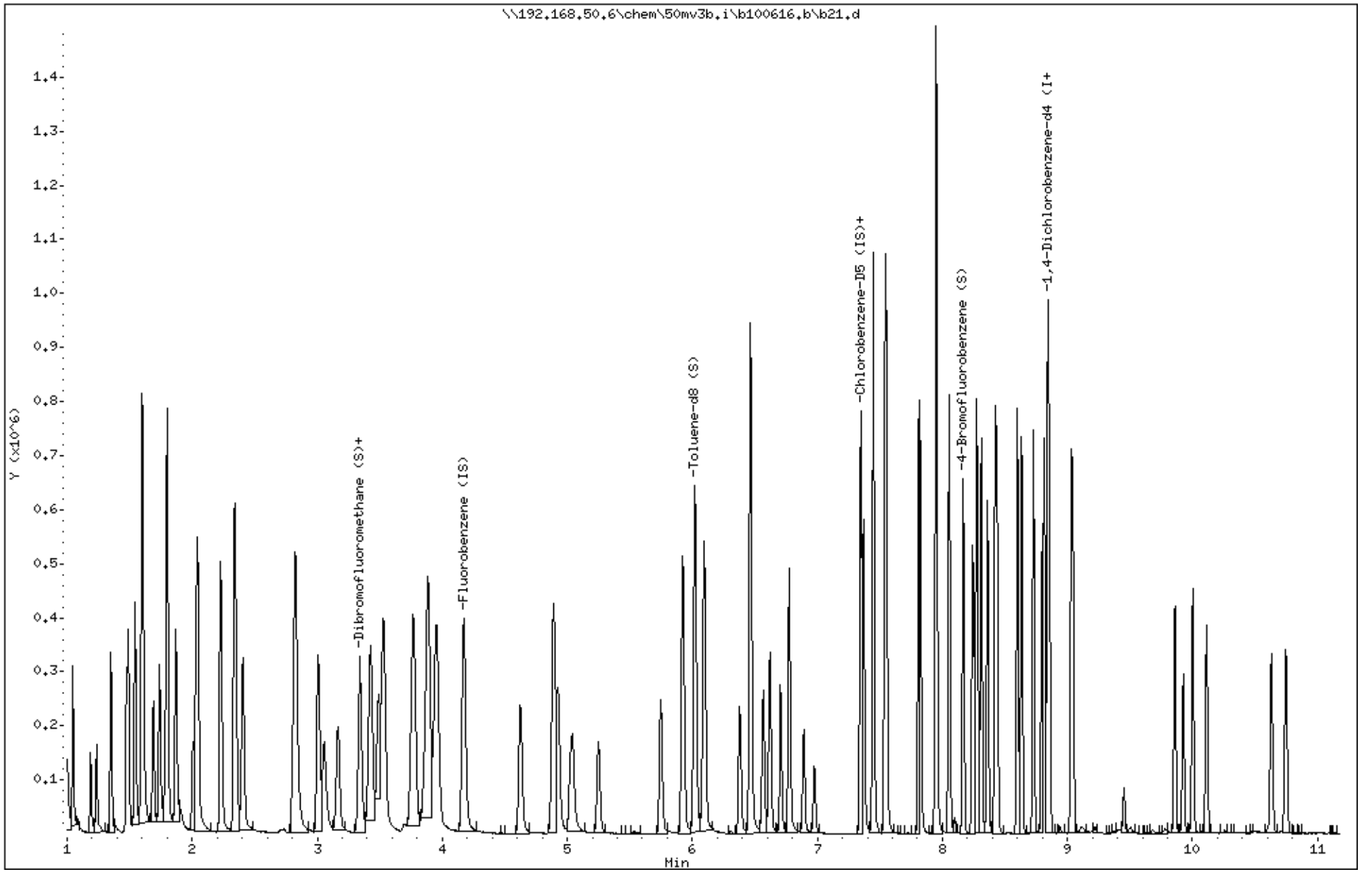
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.336	2.337	(0.560)	558727	185.327	185	
	25 1,1-Dichloroethane	63	2.347	2.347	(0.562)	182420	46.3114	46.3	
	26 Chloroprene	53	2.406	2.406	(0.576)	164924	41.3550	41.4	
	27 2-Butanone	72	2.806	2.807	(0.672)	37785	285.141	285(Q)	
	28 1,2-Dichloroethene (cis)	96	2.822	2.823	(0.676)	107193	48.0644	48.1(Q)	
	29 2,2-Dichloropropane	77	2.828	2.828	(0.678)	135924	43.8827	43.9	
	30 Propionitrile	54	2.870	2.860	(0.688)	8242	43.6639	43.7(Q)	
	31 Methacrylonitrile	41	3.009	3.015	(0.721)	180449	211.797	212	
	32 Bromochloromethane	49	3.057	3.052	(0.733)	75940	43.8850	43.9	
	33 Tetrahydrofuran	42	3.079	3.074	(0.738)	21126	48.1656	48.2	
	34 Chloroform	83	3.164	3.164	(0.758)	156773	41.8793	41.9	
$	35 Dibromofluoromethane (S)	113	3.340	3.341	(0.800)	87329	46.2895	46.3	
	36 1,1,1-Trichloroethane	97	3.340	3.341	(0.800)	141305	42.0328	42.0	
	37 Cyclohexane	56	3.426	3.426	(0.821)	189508	45.6340	45.6	
	151 n-Butyl chloride	56	3.490	3.490	(0.836)	230929	45.0956	45.1	
	38 Carbon Tetrachloride	117	3.522	3.528	(0.844)	122623	41.1993	41.2	
	39 1,1-Dichloropropene	75	3.533	3.533	(0.846)	131901	42.3119	42.3	
	40 Benzene	78	3.773	3.773	(0.904)	374842	43.6804	43.7	
	41 1,2-Dichloroethane	62	3.858	3.859	(0.924)	107256	41.8805	41.9	
	42 Isobutyl alcohol	43	3.885	3.885	(0.931)	685975	53.2525	53.2	
	43 2,2,4-Trimethylpentane	57	3.954	3.950	(0.948)	487418	47.5122	47.5	
*	44 Fluorobenzene (IS)	96	4.173	4.174	(1.000)	409763	50.0000		
	45 Trichloroethene	95	4.627	4.623	(1.109)	84323	40.9676	41.0	
	46 Methylcyclohexane	55	4.889	4.890	(1.171)	158196	47.4166	47.4	
	47 1,2-Dichloropropane	63	4.927	4.927	(1.180)	100378	49.5002	49.5	
	48 Methyl methacrylate	69	5.044	5.045	(1.209)	48294	57.2792	57.3	
	49 Dibromomethane	93	5.023	5.023	(1.203)	43849	46.4201	46.4	
	50 1,4-Dioxane	88	5.033	5.034	(1.206)	13765	1101.74	1100	
	51 Bromodichloromethane	83	5.252	5.253	(1.258)	111631	47.1236	47.1	
	53 cis-1,3-Dichloropropene	75	5.749	5.744	(0.783)	134733	43.8303	43.8	
	54 4-Methyl-2-Pentanone	43	5.920	5.920	(0.806)	337597	251.964	252	
$	55 Toluene-d8 (S)	98	6.021	6.022	(0.820)	393729	46.2125	46.2	
	56 Toluene	91	6.096	6.097	(0.830)	372260	35.1521	35.2(R)	
	57 trans-1,3-Dichloropropene	75	6.379	6.380	(0.868)	110173	45.8688	45.9	
	58 Ethyl Methacrylate	69	6.465	6.465	(0.880)	399471	212.655	213	
	59 1,1,2-Trichloroethane	83	6.566	6.567	(0.894)	53629	45.6924	45.7	
	60 Tetrachloroethene	166	6.620	6.620	(0.901)	78942	33.3583	33.4(R)	
	61 1,3-Dichloropropane	76	6.705	6.706	(0.913)	124250	49.2959	49.3	
	62 2-Hexanone	43	6.775	6.775	(0.922)	237096	270.228	270	
	63 Dibromochloromethane	129	6.892	6.893	(0.938)	76404	44.8499	44.8	
	64 1,2-Dibromoethane	107	6.972	6.973	(0.949)	63075	47.3921	47.4	
*	65 Chlorobenzene-D5 (IS)	117	7.346	7.347	(1.000)	288404	50.0000		
	66 Chlorobenzene	112	7.367	7.368	(1.003)	210621	35.0174	35.0(R)	
	67 1,1,1,2-Tetrachloroethane	131	7.442	7.443	(1.013)	79450	42.6764	42.7	
	68 Ethylbenzene	106	7.448	7.448	(1.014)	118559	35.5738	35.6(R)	
	69 m&p-Xylene	106	7.549	7.549	(1.028)	278817	67.8500	67.8(R)	
	70 o-Xylene	106	7.811	7.811	(1.063)	139374	36.8486	36.8(R)	
	71 Styrene	104	7.827	7.822	(1.065)	235091	37.0185	37.0(R)	
	72 Bromoform	173	7.944	7.945	(0.899)	40258	43.5630	43.6	
	73 Isopropylbenzene	105	8.051	8.052	(1.096)	352795	32.1358	32.1(R)	
$	74 4-Bromofluorobenzene (S)	95	8.163	8.164	(1.111)	144438	53.8568	53.8	
	75 Bromobenzene	77	8.243	8.244	(1.122)	133972	36.4881	36.5(R)	
	76 1,1,2,2-Tetrachloroethane	83	8.254	8.254	(0.934)	80241	49.0070	49.0	
	77 trans-1,4-Dichloro-2-butene	53	8.275	8.276	(1.127)	93528	191.494	191(Q)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	1,2,3-Trichloropropane	110	8.286	8.287	(0.937)	25394	52.6560	52.6(Q)	
79	n-Propylbenzene	91	8.313	8.313	(0.940)	368308	29.2773	29.3(R)	
80	2-Chlorotoluene	91	8.361	8.361	(0.946)	225709	31.7541	31.8(R)	
81	1,3,5-Trimethylbenzene	105	8.420	8.420	(0.952)	252680	29.4050	29.4(R)	
82	4-Chlorotoluene	126	8.436	8.436	(0.954)	73424	29.1185	29.1(R)	
83	tert-Butylbenzene	119	8.601	8.602	(0.973)	243088	24.3372	24.3(R)	
84	1,2,4-Trimethylbenzene	105	8.633	8.634	(0.976)	261262	29.6762	29.7(R)	
85	sec-Butylbenzene	105	8.729	8.730	(0.987)	327471	27.6562	27.6(R)	
86	1,3-Dichlorobenzene	146	8.794	8.794	(0.995)	136361	29.0443	29.0(R)	
87	p-Isopropyltoluene	119	8.815	8.815	(0.997)	257250	25.7557	25.8(R)	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.842	(1.000)	143888	50.0000		
89	1,4-Dichlorobenzene	146	8.852	8.853	(1.001)	138222	28.4308	28.4(R)	
90	n-Butylbenzene	91	9.034	9.029	(1.022)	211739	23.1719	23.2(R)	
91	1,2-Dichlorobenzene	146	9.045	9.045	(1.023)	139830	32.7520	32.8(R)	
92	1,2-Dibromo-3-chloropropane	155	9.456	9.456	(1.069)	12704	53.3851	53.4	
93	1,2,4-Trichlorobenzene	180	9.862	9.867	(1.115)	91457	32.5420	32.5(R)	
94	Hexachlorobutadiene	225	9.926	9.932	(1.123)	37200	21.6810	21.7(R)	
95	Naphthalene	128	10.001	10.006	(1.131)	246629	44.1622	44.2	
96	1,2,3-Trichlorobenzene	180	10.113	10.124	(1.144)	87764	34.6666	34.7(R)	
97	2,methyl-naphthalene	142	10.631	10.642	(1.202)	135385	40.7779	40.8	
98	1-Methylnaphthalene	142	10.743	10.759	(1.215)	137951	50.1978	50.2	
99	Isopropyl Acetate	61	3.885	3.885	(0.931)	131907	290.269	290	
100	Ethyl Acetate	88	2.828	2.849	(0.678)	2281	47.0217	47.0(Q)	
101	n-amyl Acetate	70	7.950	7.950	(1.905)	198925	67.8130	67.8	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d
Date : 06-OCT-2016 23:25
Client ID: MW-0501-S1(092716)P
Instrument: 50mv3b.i
Sample Info: 1642751,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

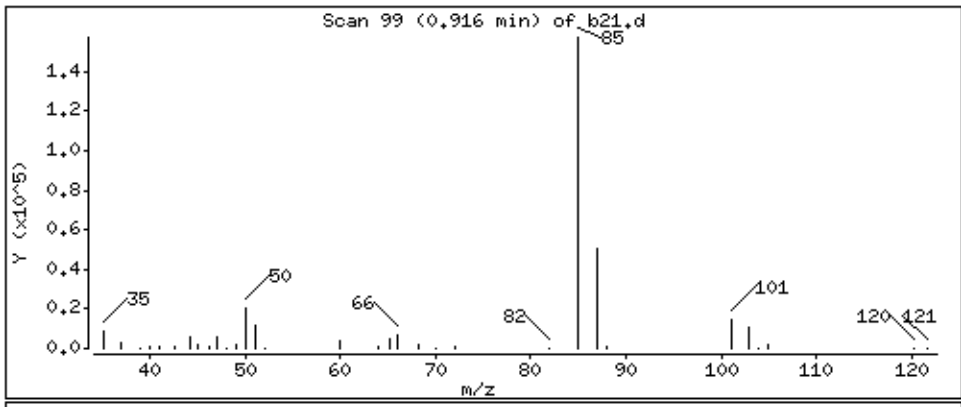
Column phase: DB-624

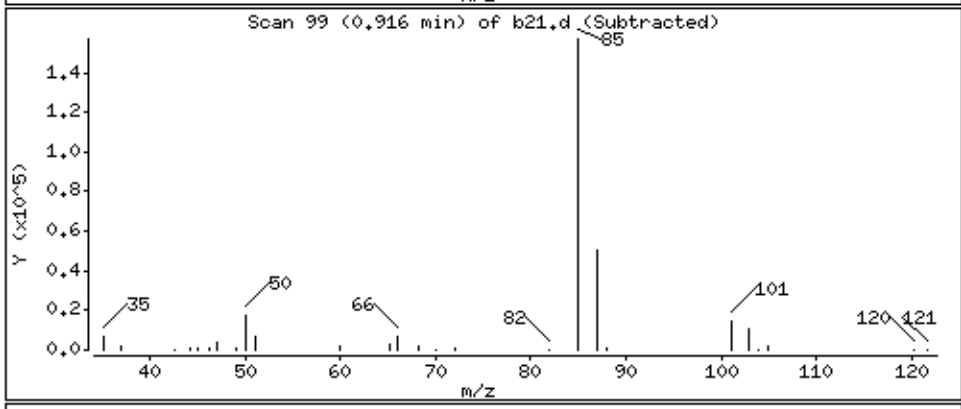
Column diameter: 0.18

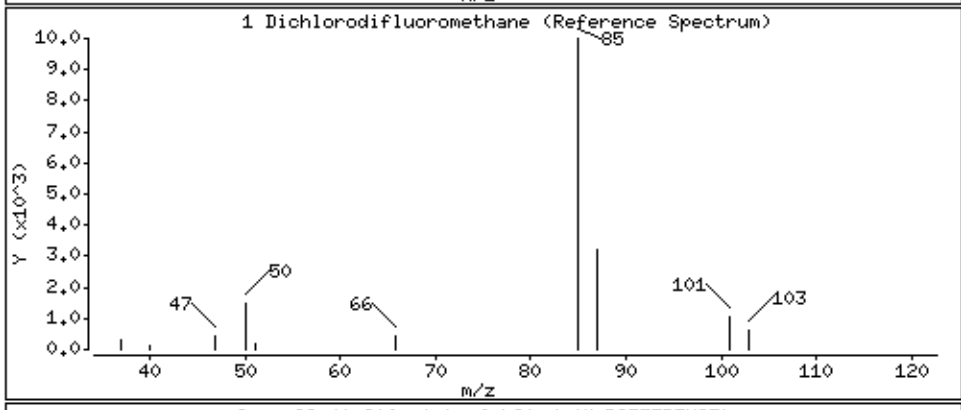
1 Dichlorodifluoromethane

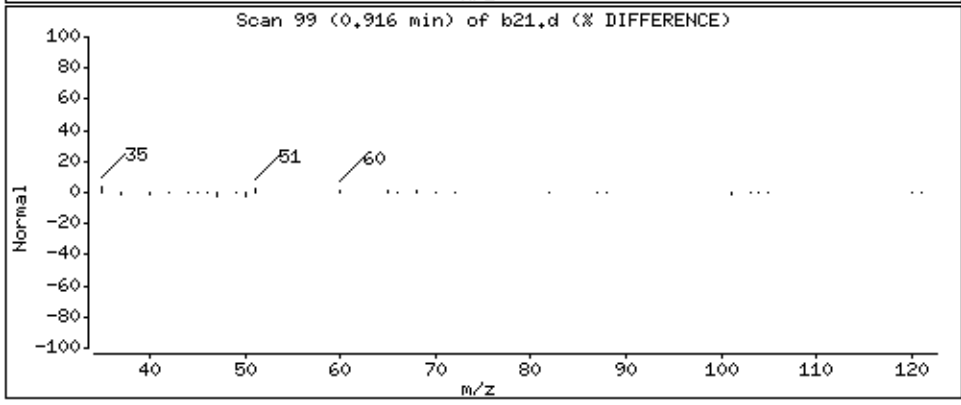
Concentration: 50.2 ppb

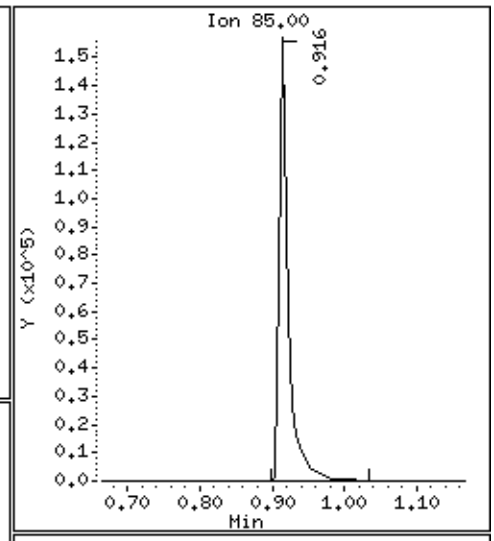
Review Code:

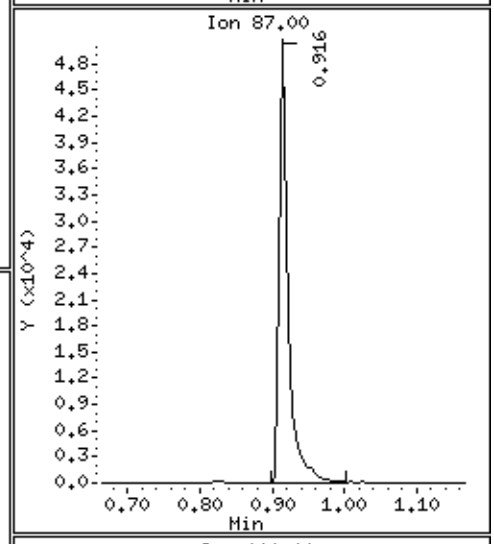


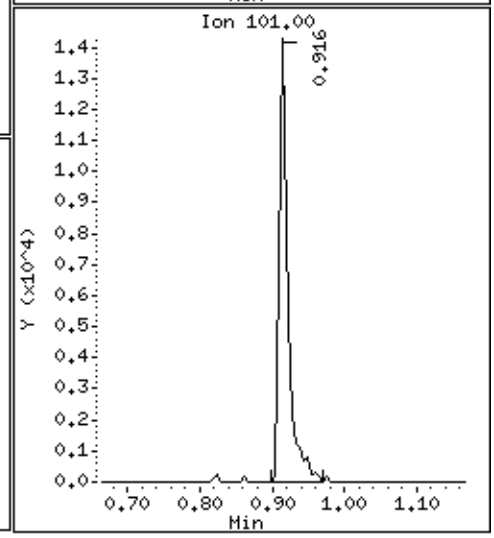












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

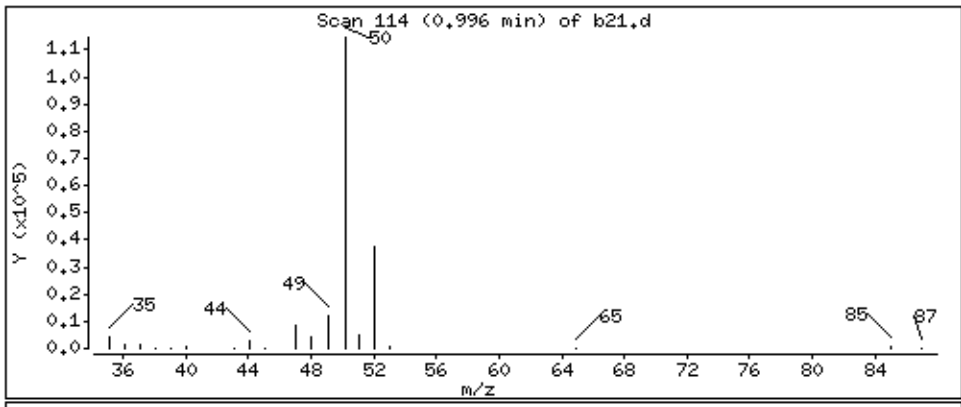
Column phase: DB-624

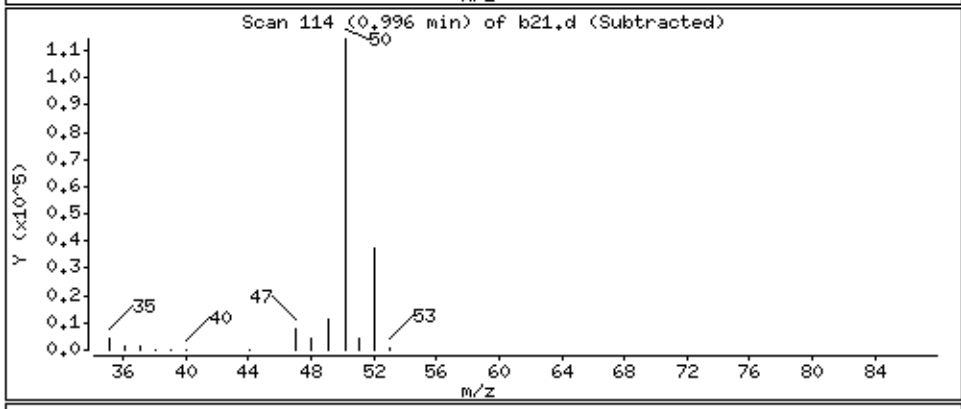
Column diameter: 0.18

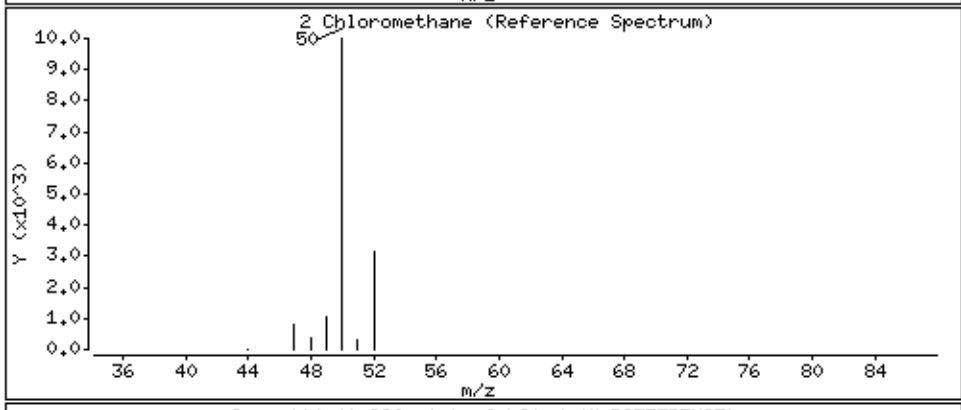
2 Chloromethane

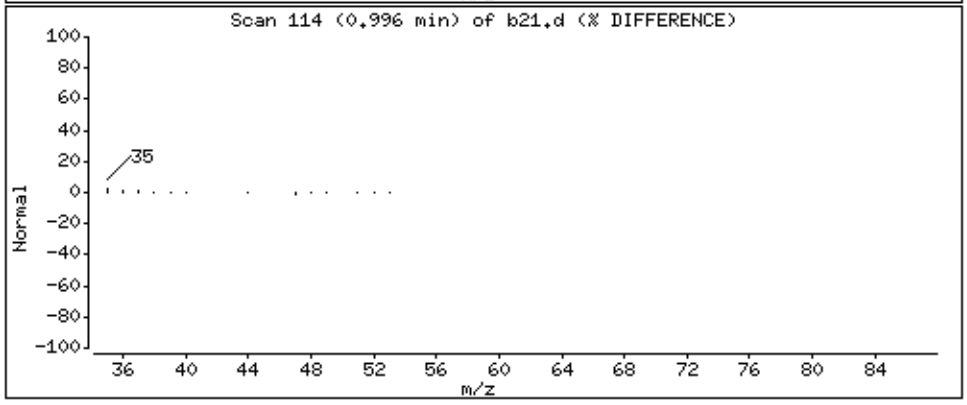
Concentration: 37.9 ppb

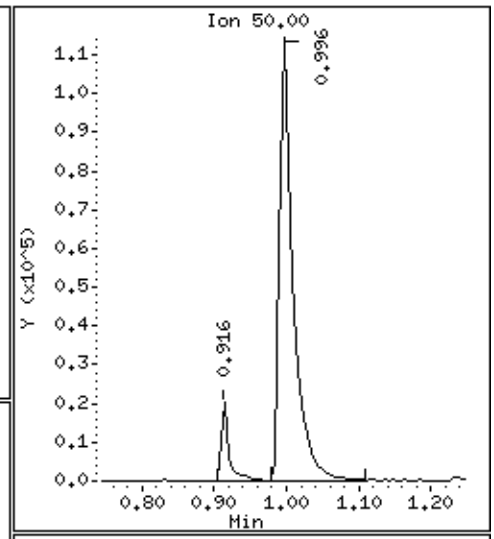
Review Code:

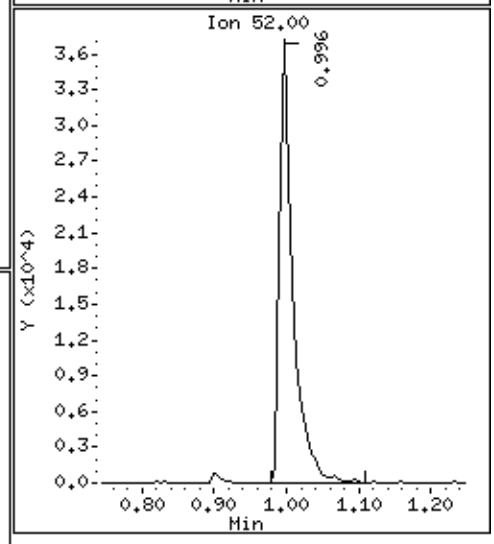












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

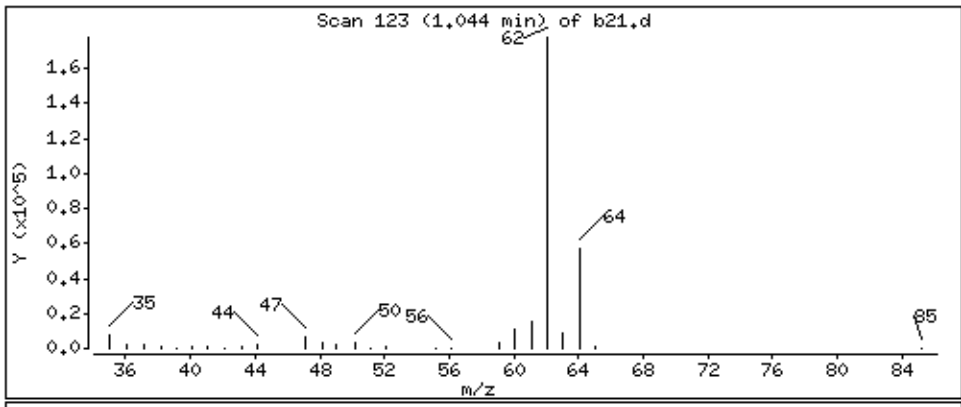
Column phase: DB-624

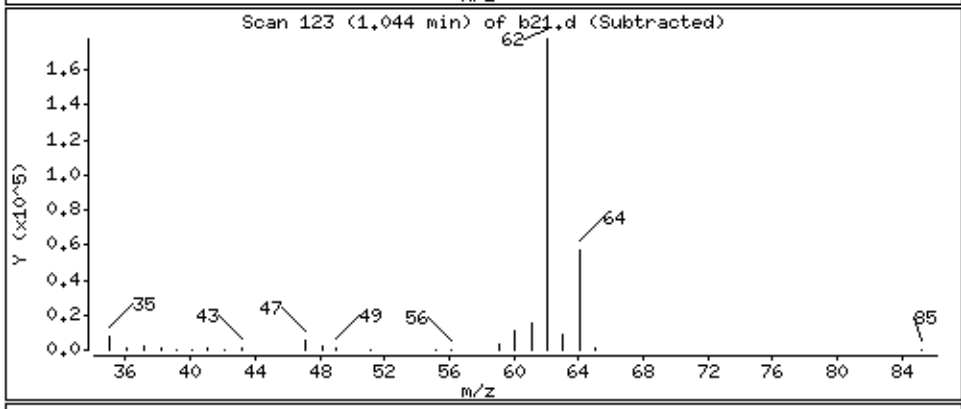
Column diameter: 0.18

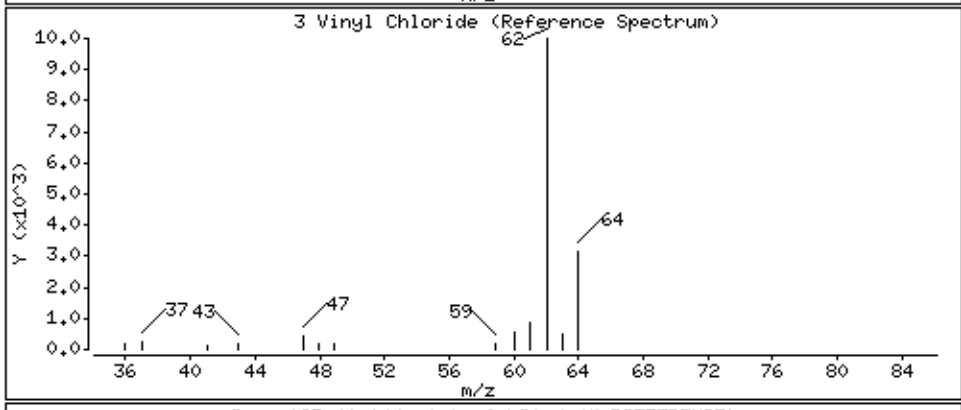
3 Vinyl Chloride

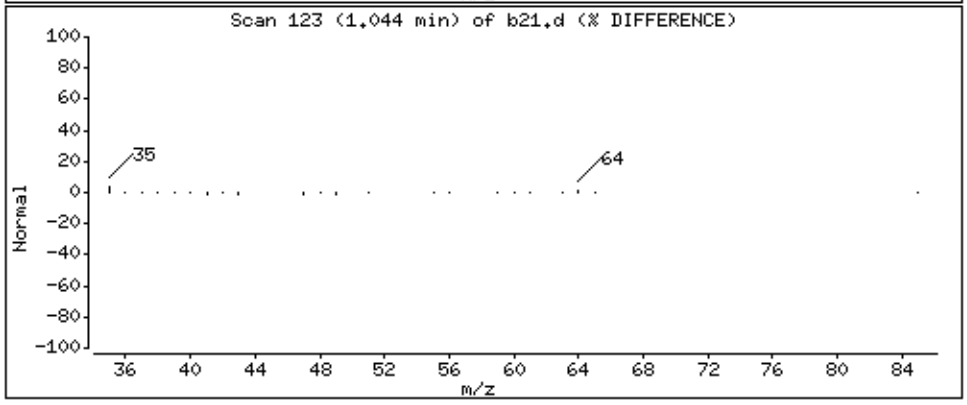
Concentration: 47.4 ppb

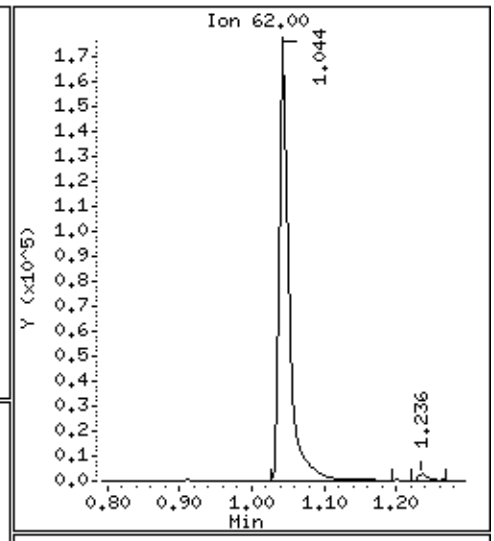
Review Code:

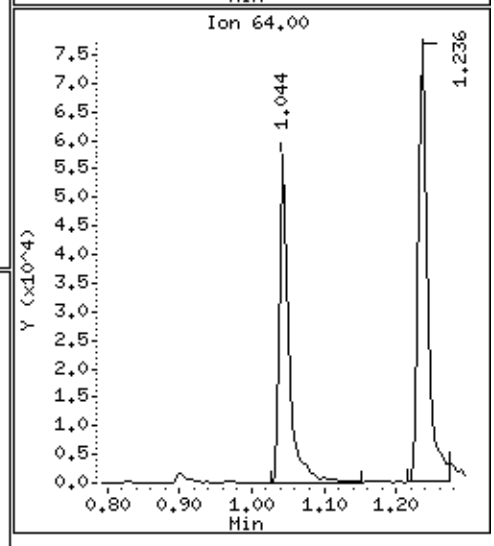












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

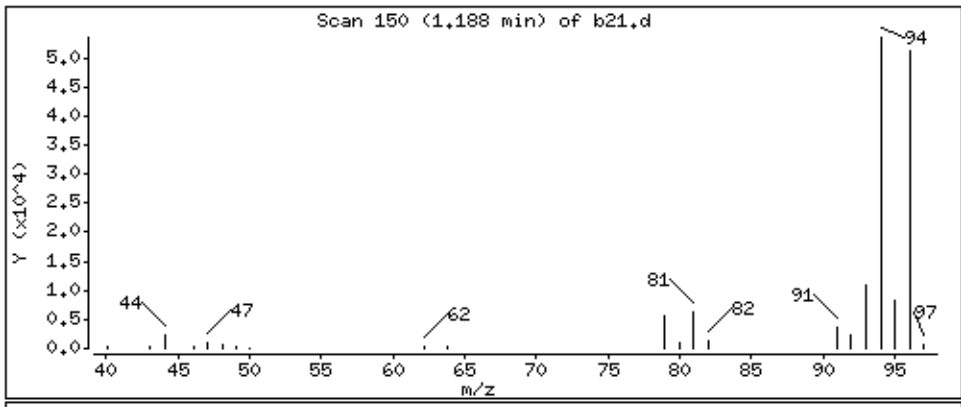
Column phase: DB-624

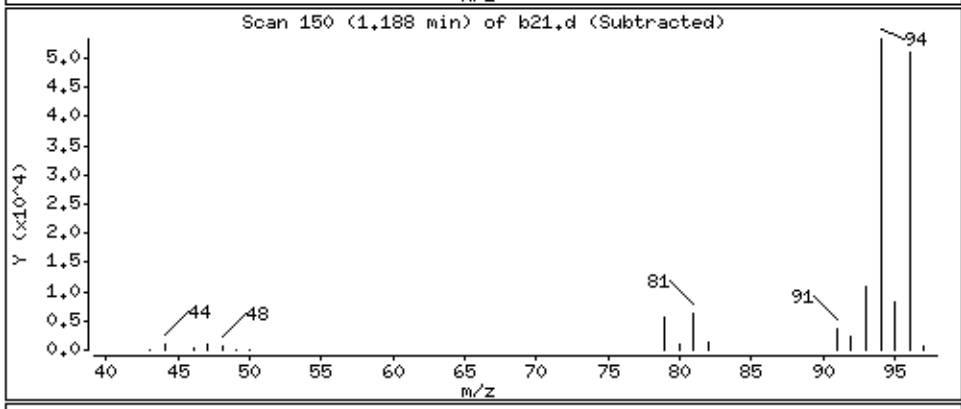
Column diameter: 0.18

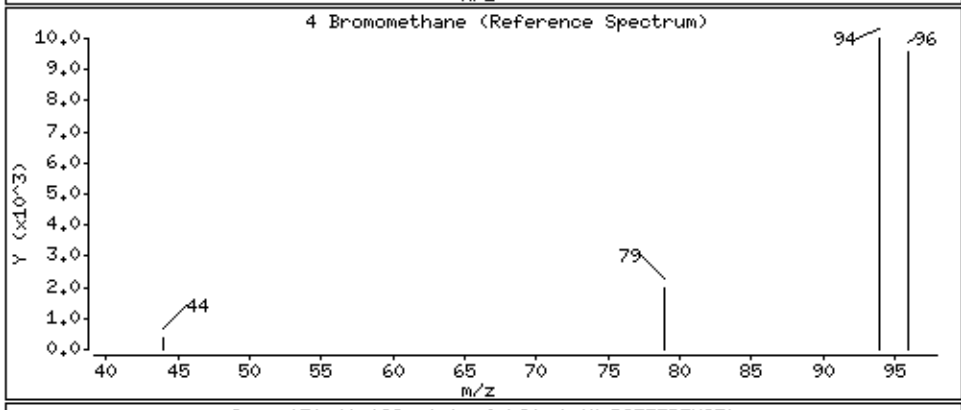
4 Bromomethane

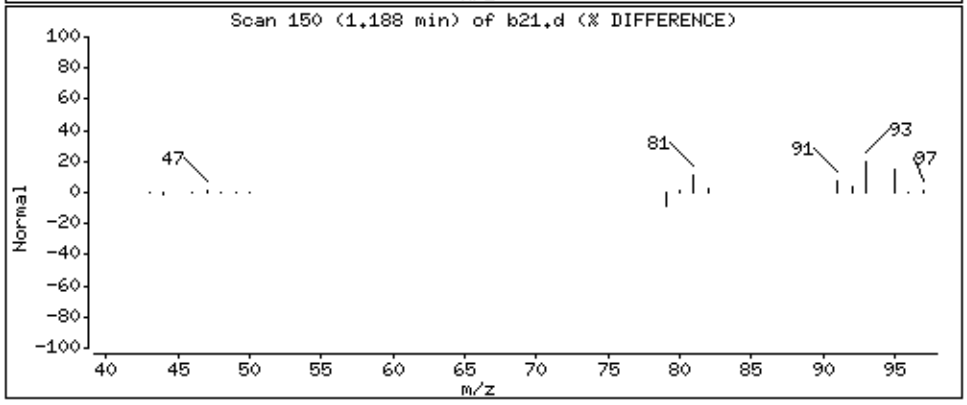
Concentration: 38.1 ppb

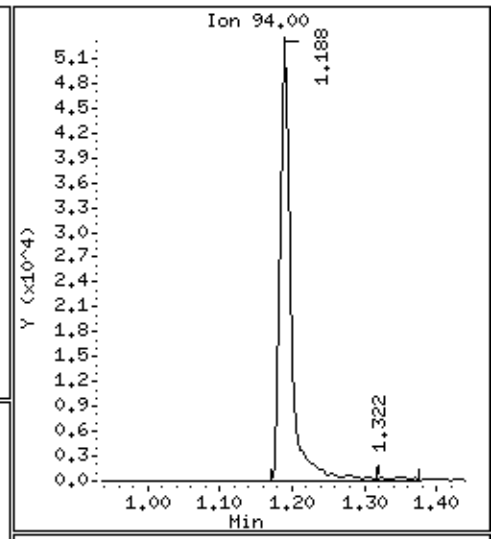
Review Code:

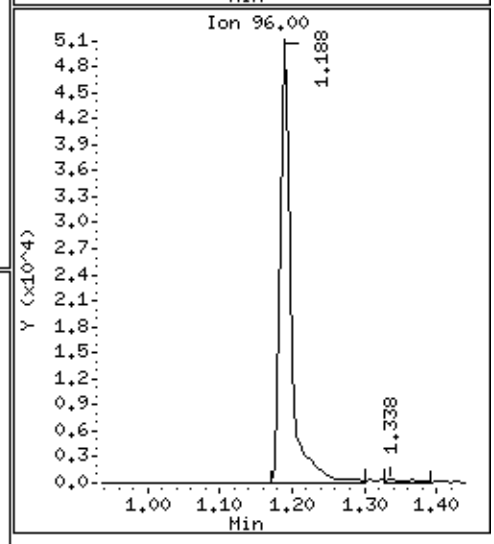












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

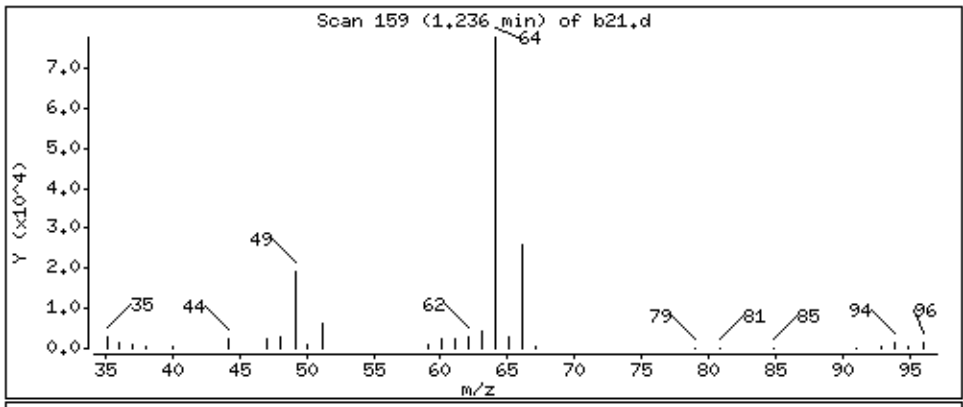
Column phase: DB-624

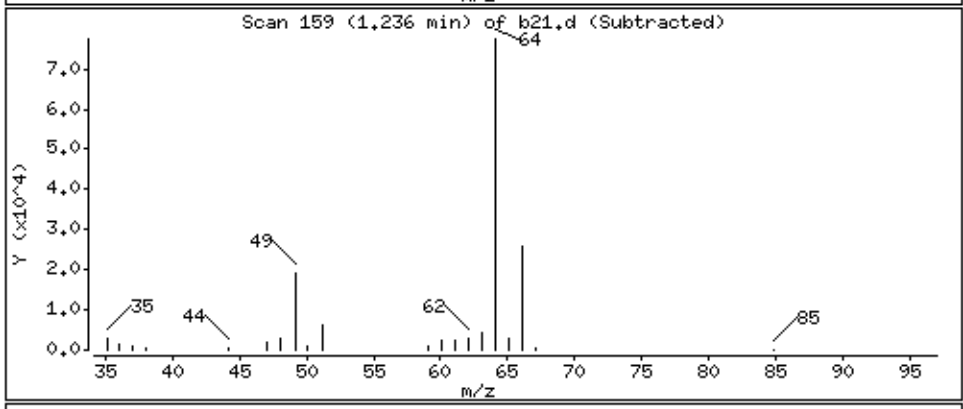
Column diameter: 0.18

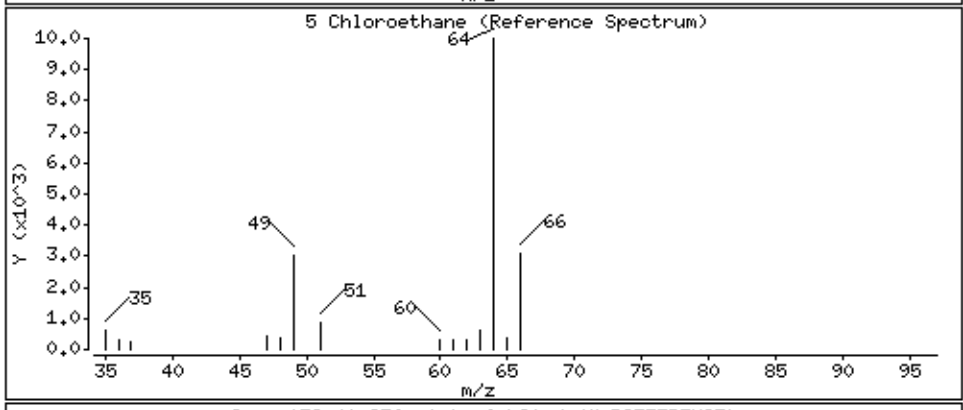
5 Chloroethane

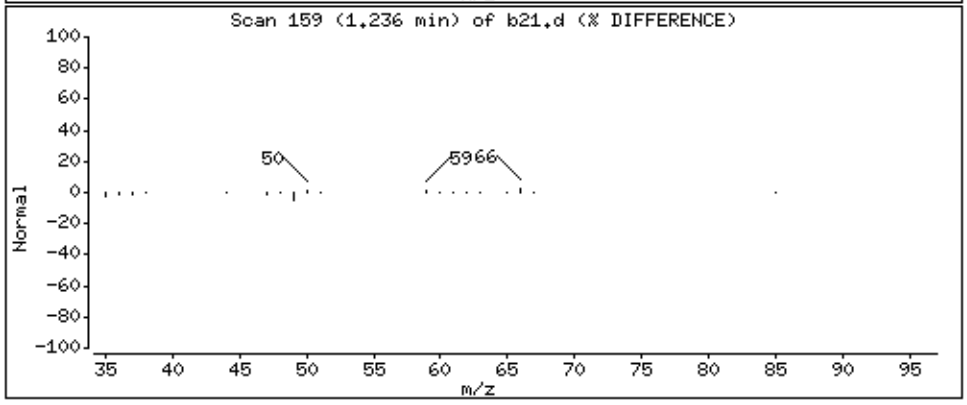
Concentration: 41.9 ppb

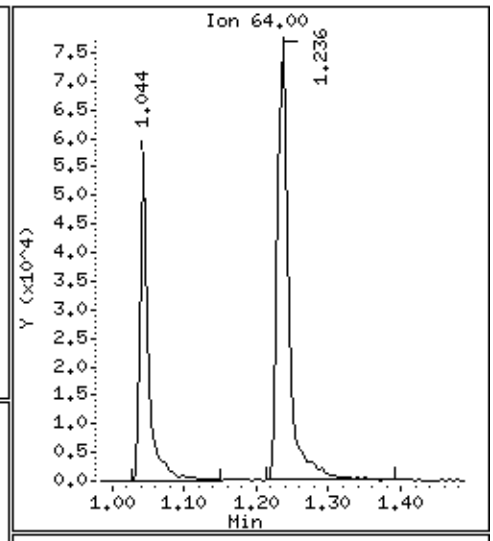
Review Code:

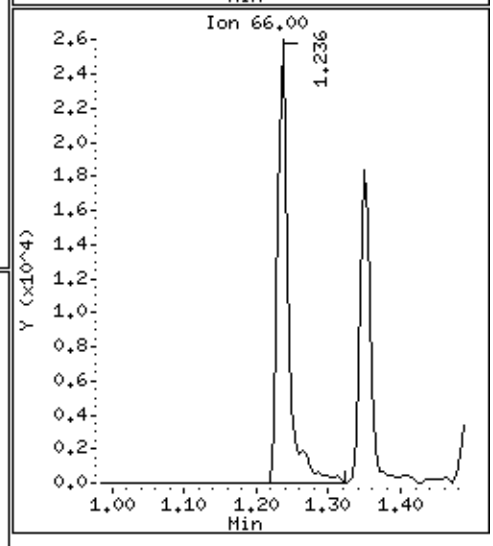












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

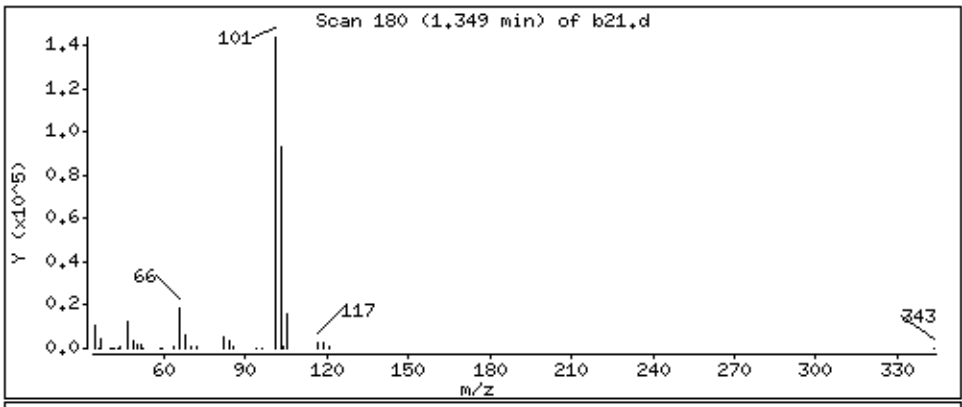
Column phase: DB-624

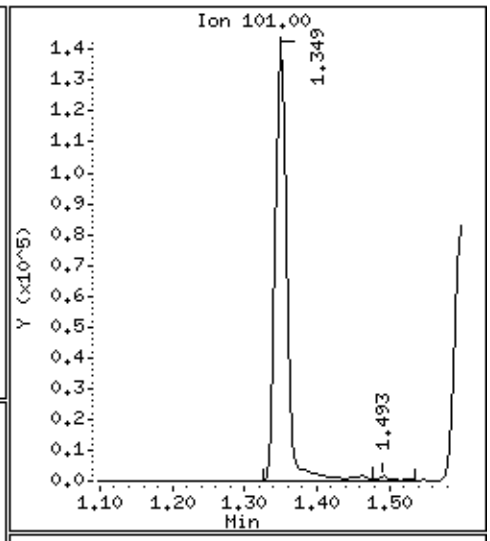
Column diameter: 0.18

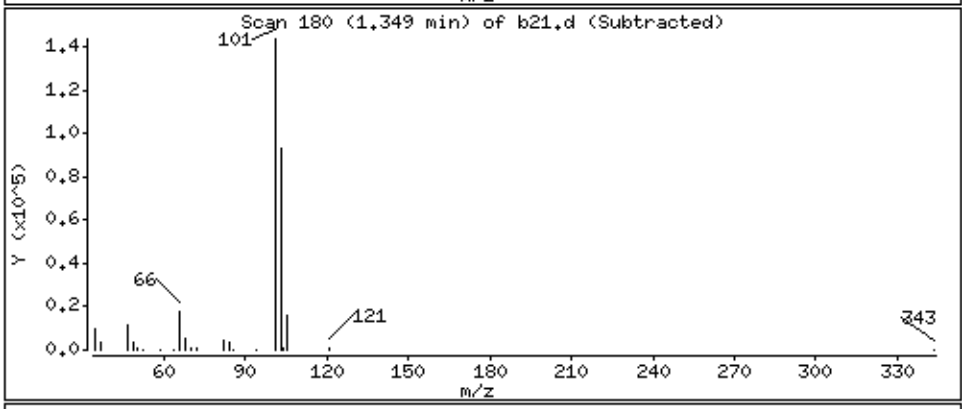
6 Trichlorofluoromethane

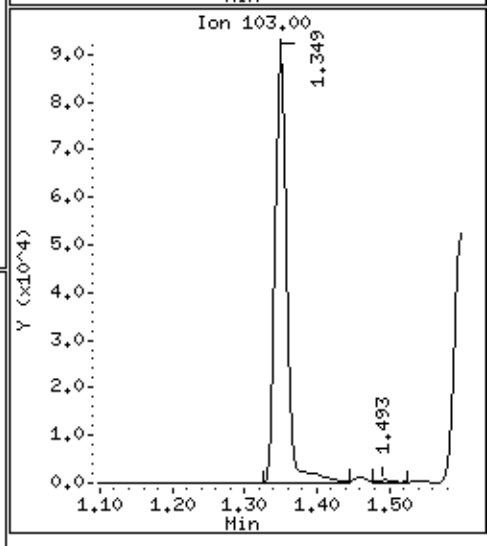
Concentration: 43.8 ppb

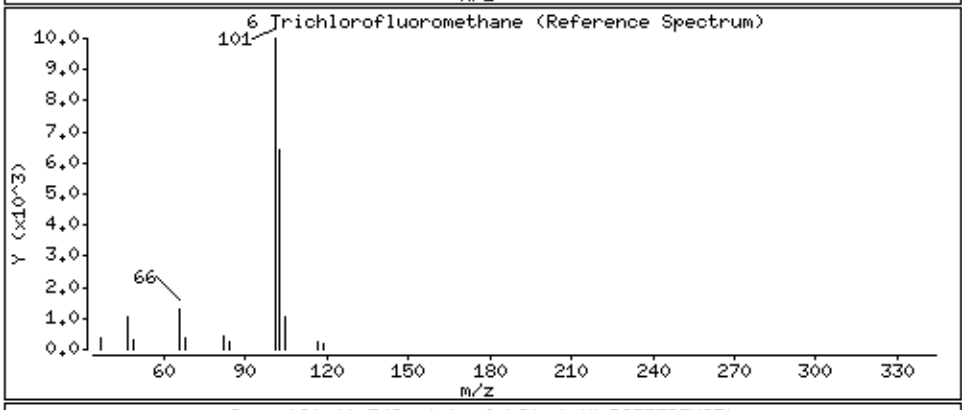
Review Code:

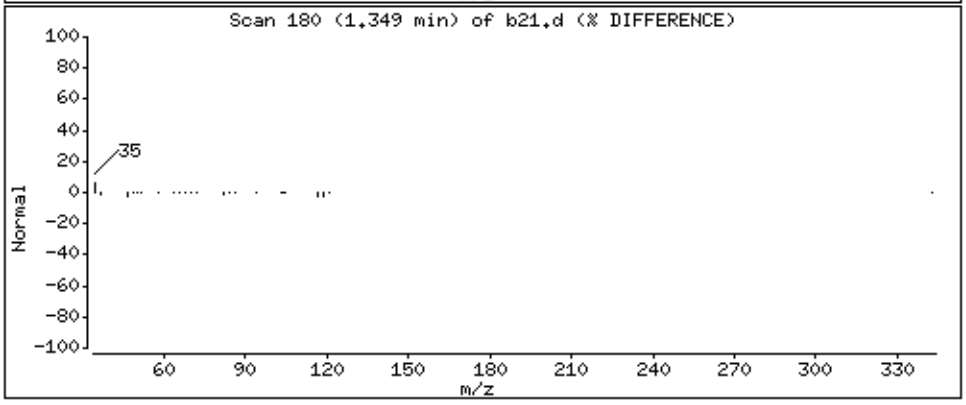












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

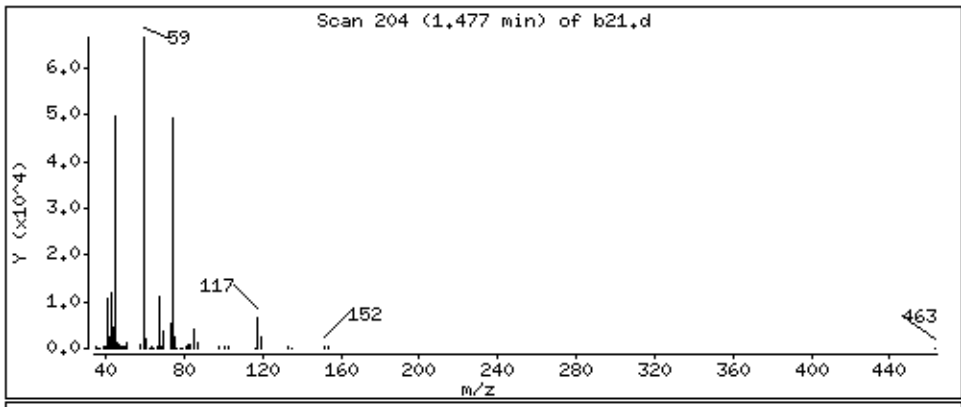
Column phase: DB-624

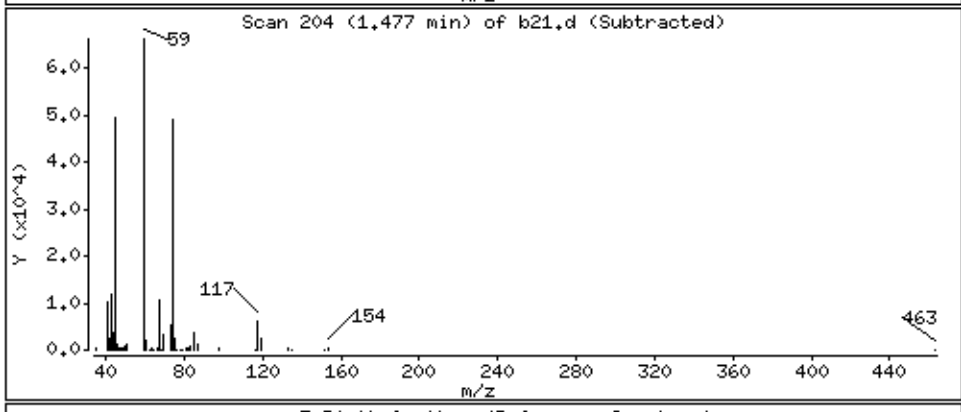
Column diameter: 0.18

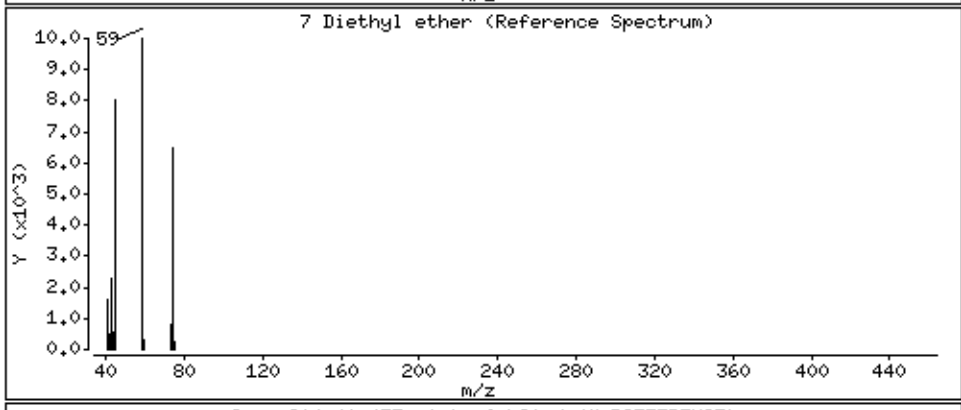
7 Diethyl ether

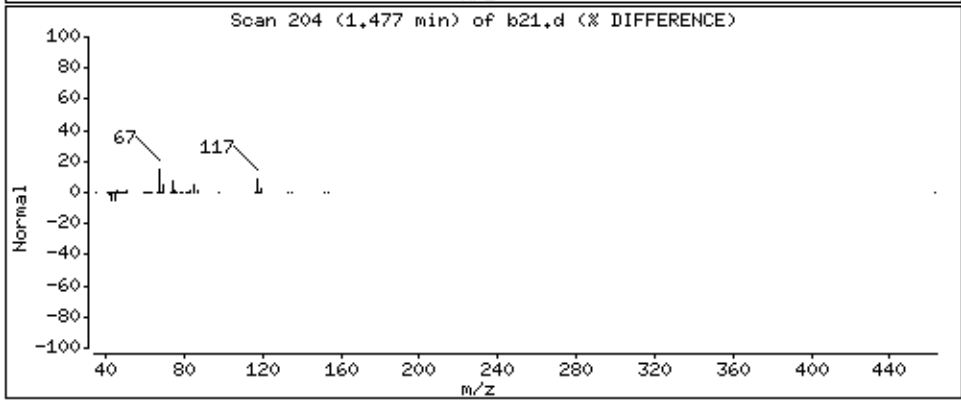
Concentration: 49.4 ppb

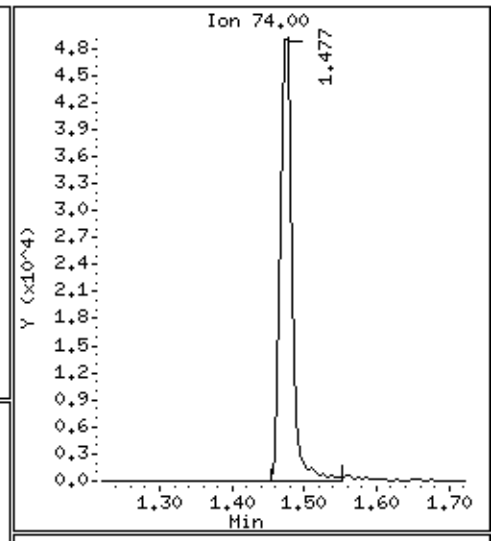
Review Code:

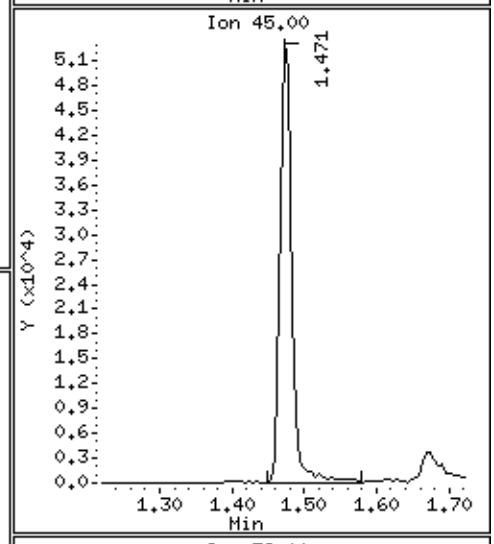


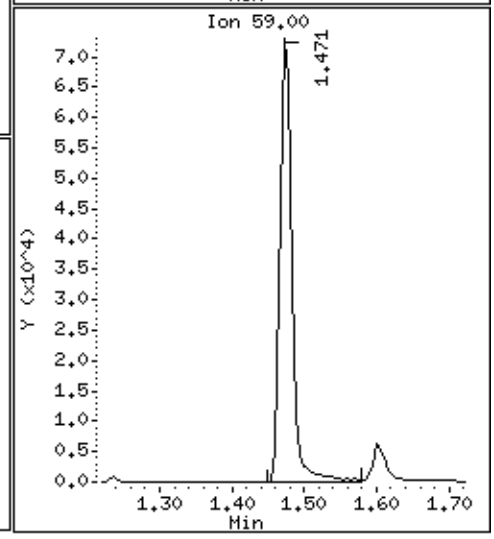












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

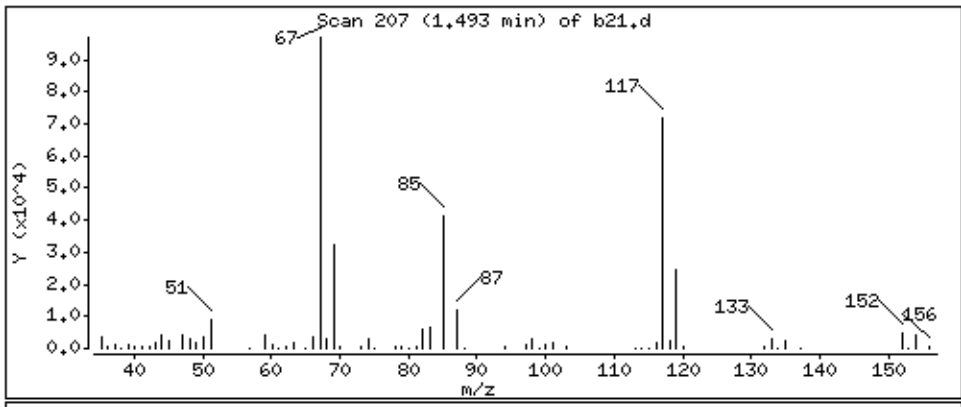
Column phase: DB-624

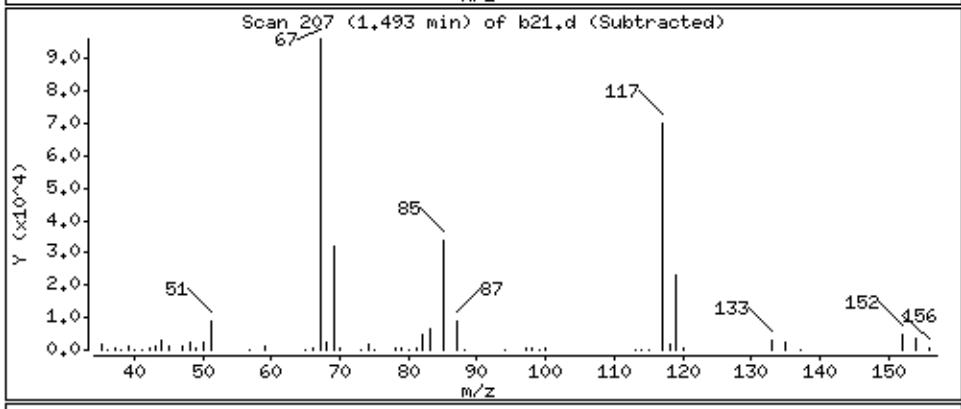
Column diameter: 0.18

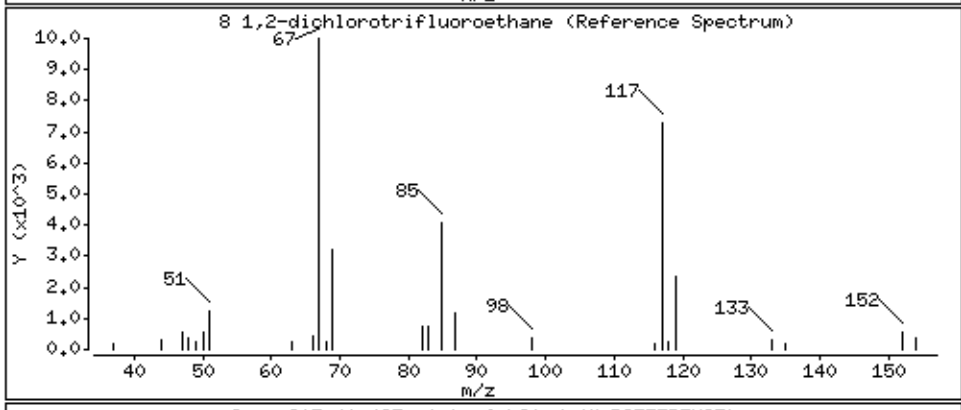
8 1,2-dichlorotrifluoroethane

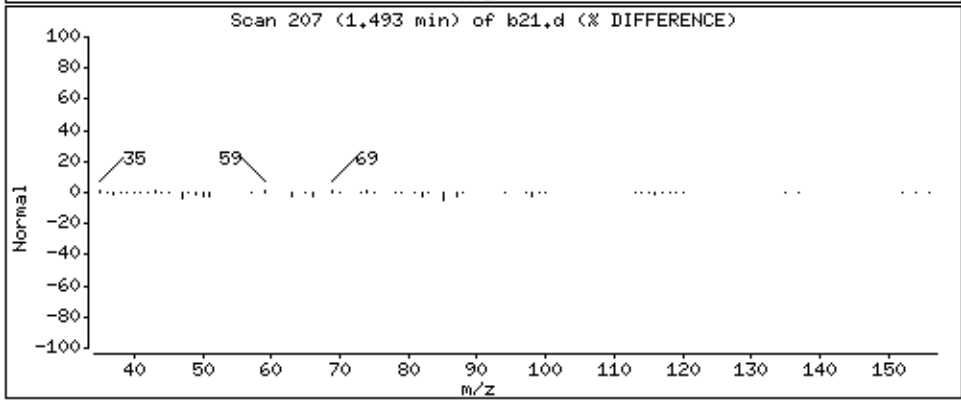
Concentration: 42.5 ppb

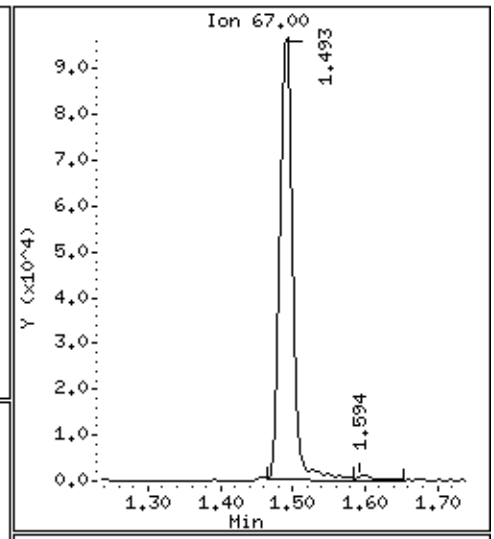
Review Code:

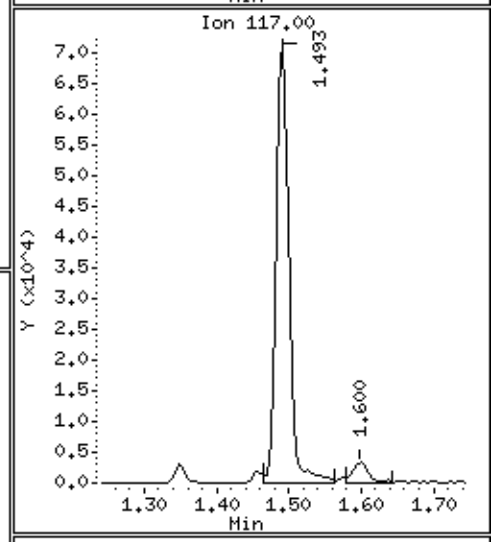


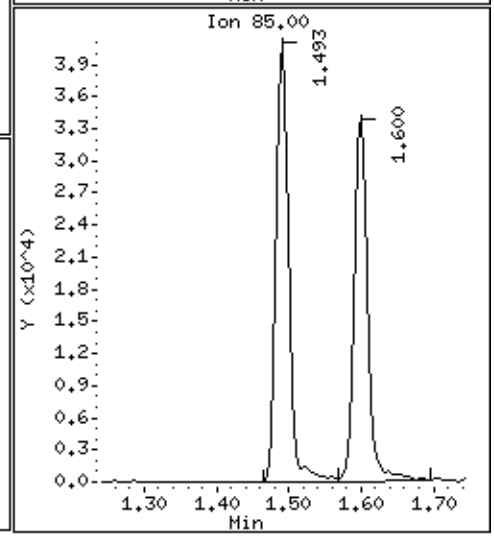












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

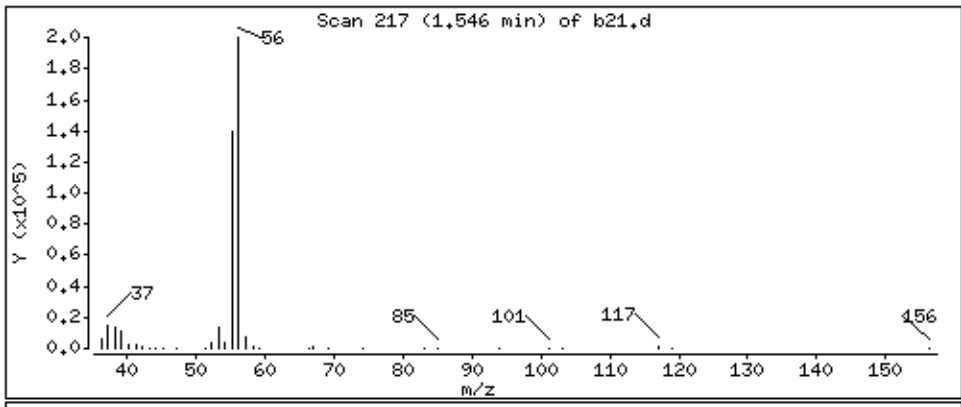
Column phase: DB-624

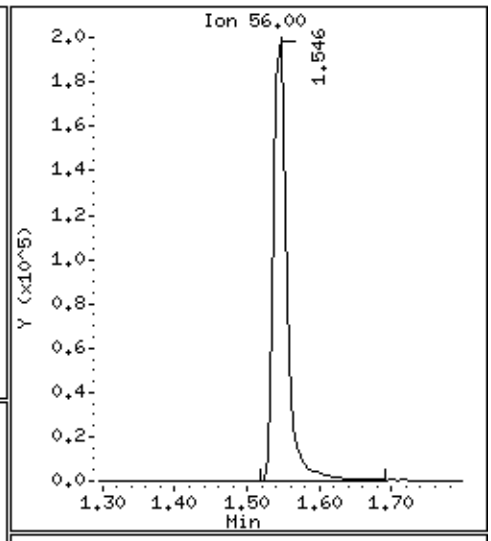
Column diameter: 0.18

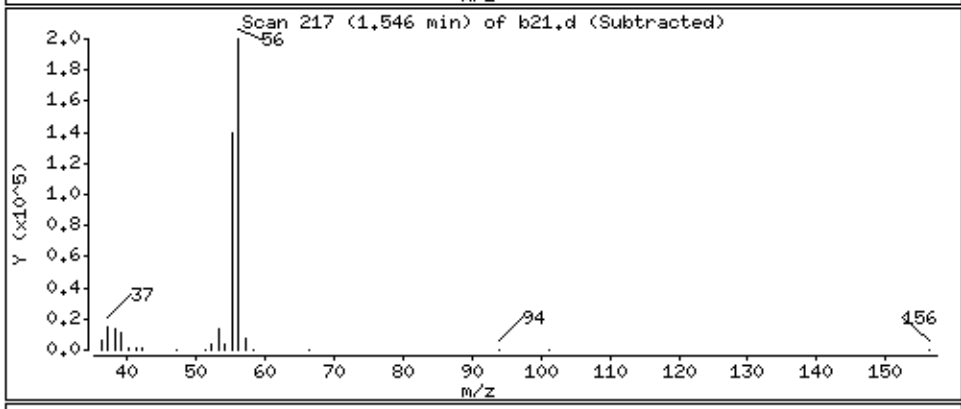
9 Acrolein

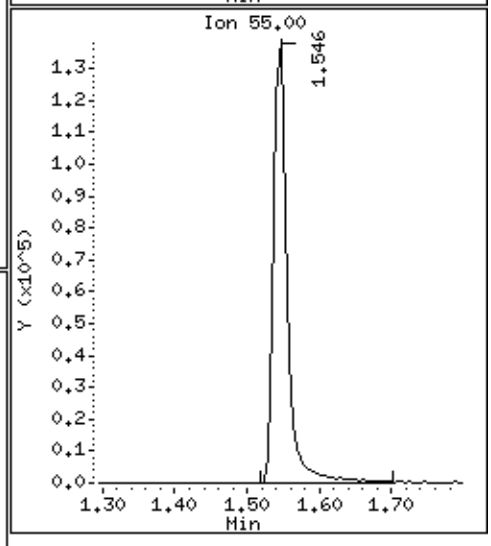
Concentration: 1100 ppb

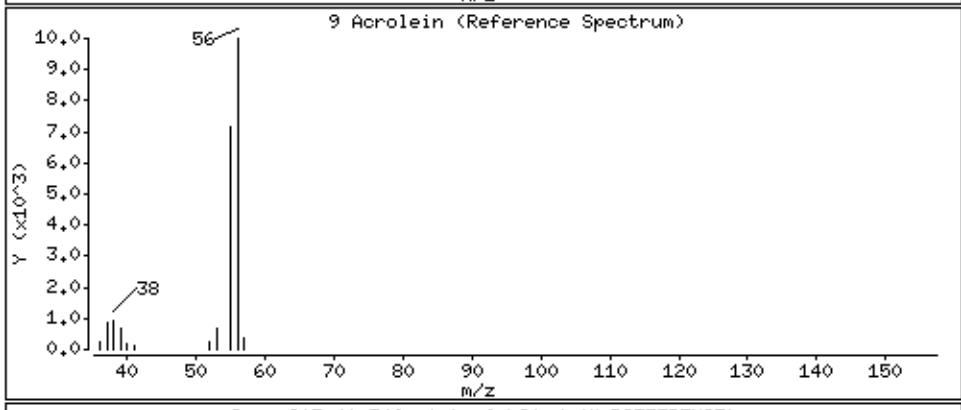
Review Code:

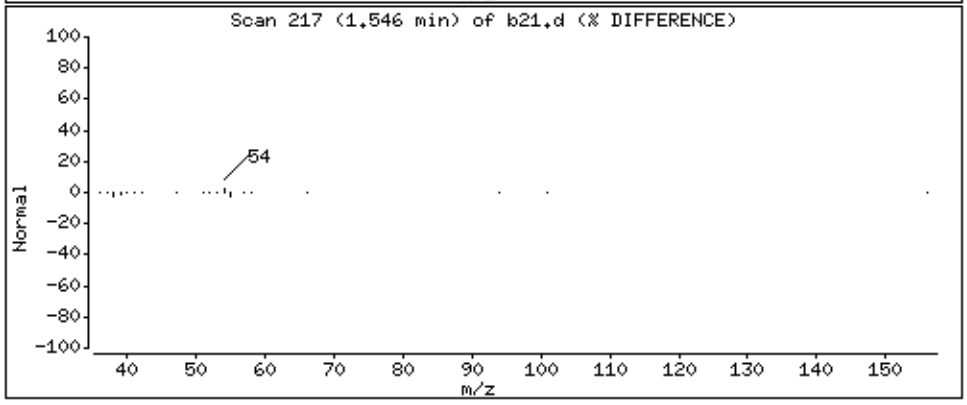












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

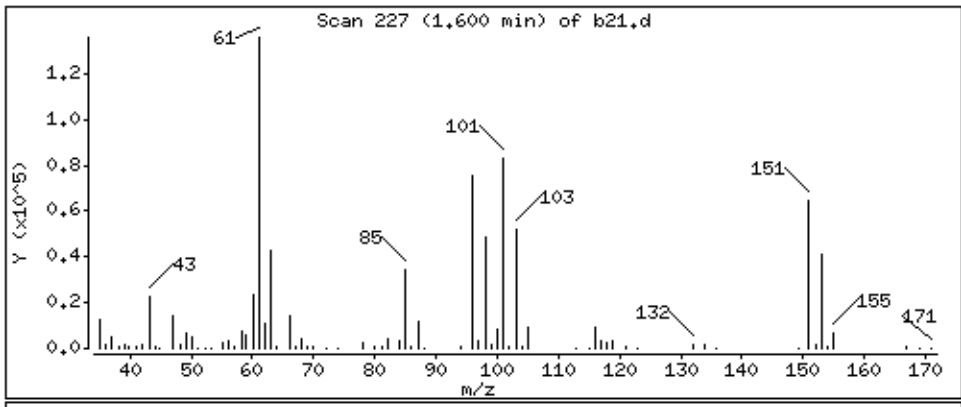
Column phase: DB-624

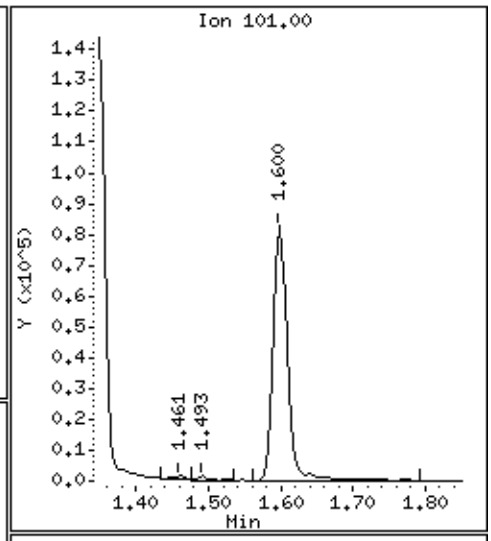
Column diameter: 0.18

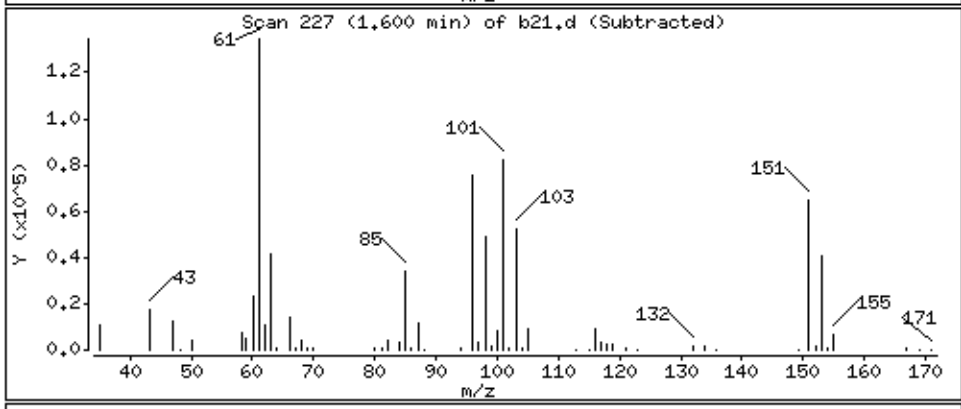
10 1,1,2trichlorotrifluoroethane

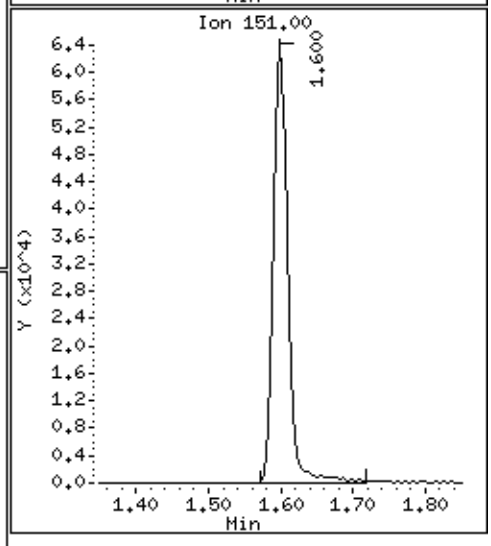
Concentration: 48.1 ppb

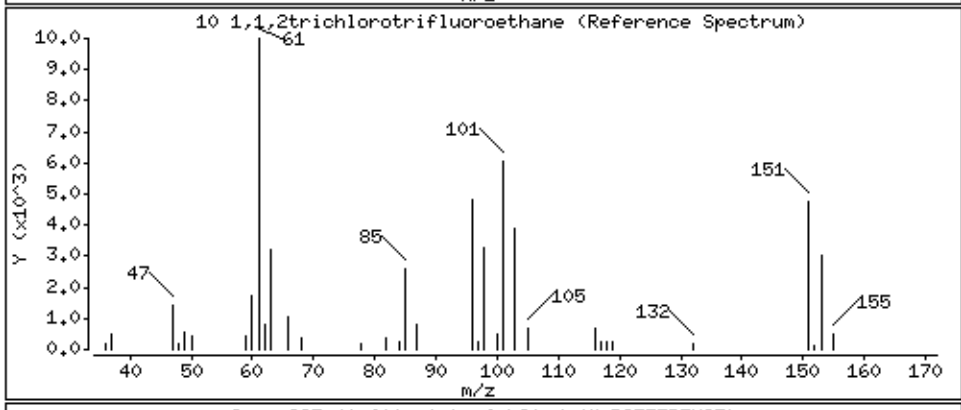
Review Code:

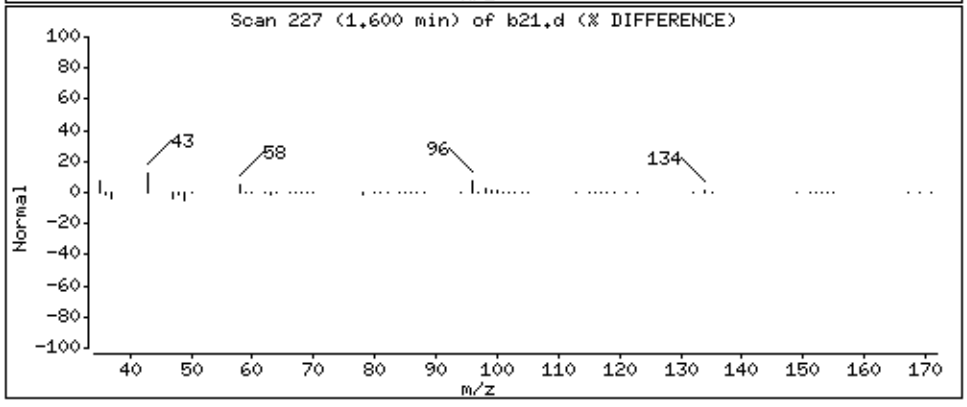












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

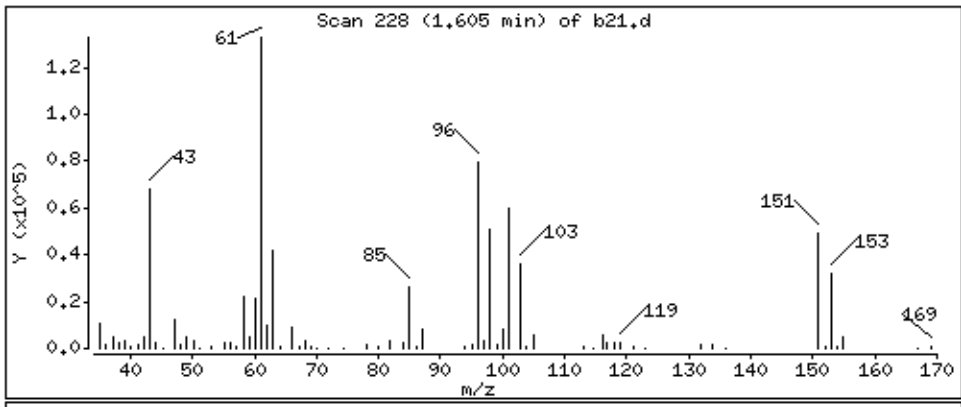
Column phase: DB-624

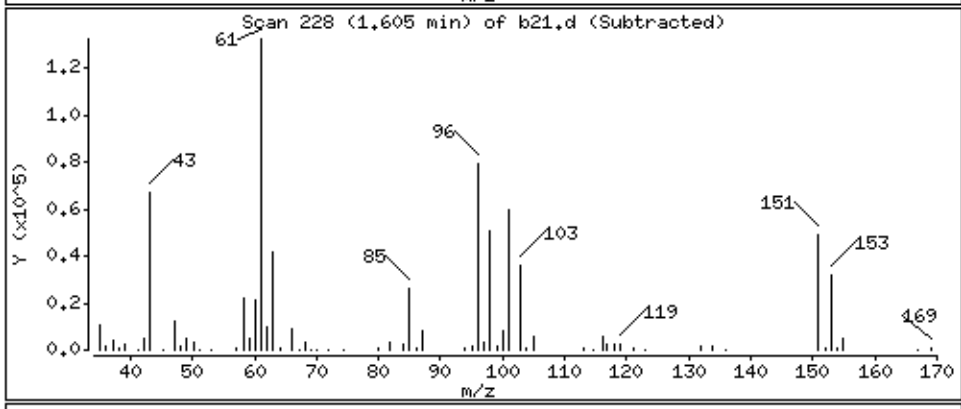
Column diameter: 0.18

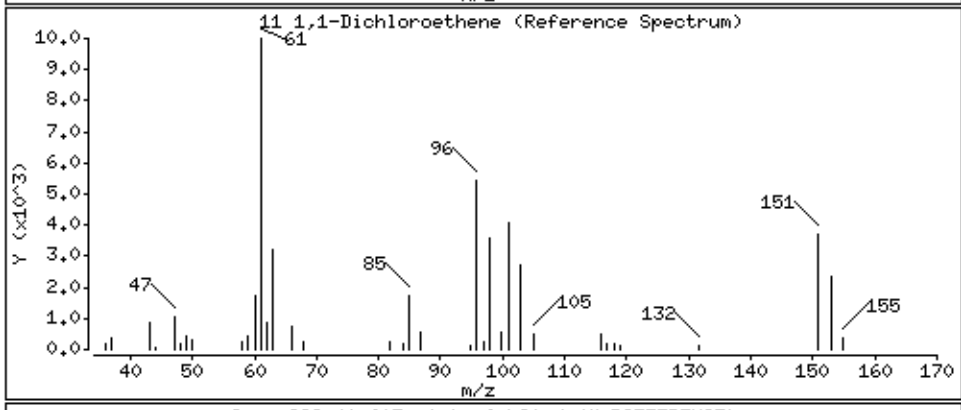
11 1,1-Dichloroethene

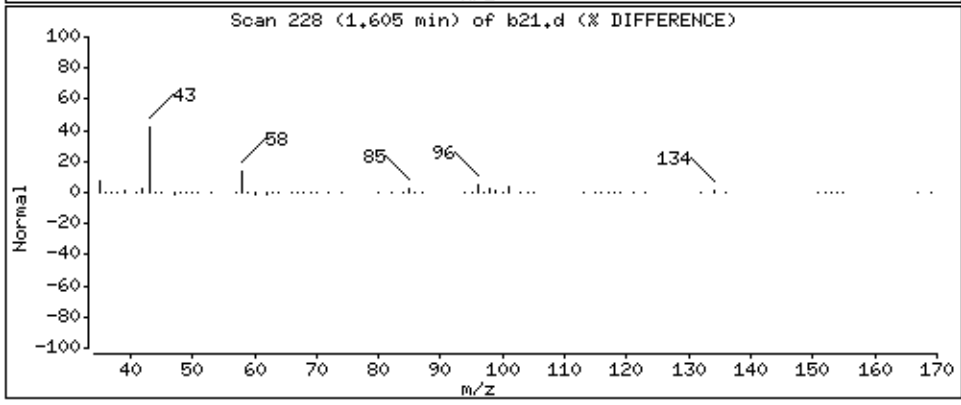
Concentration: 48.8 ppb

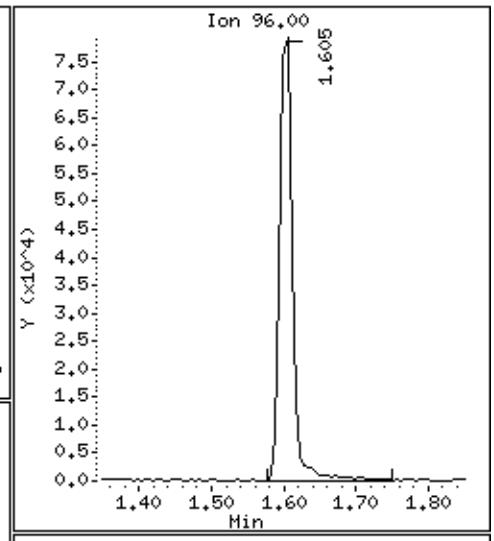
Review Code:

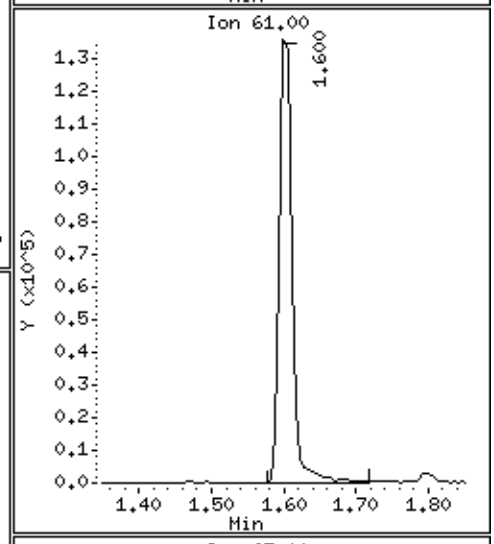


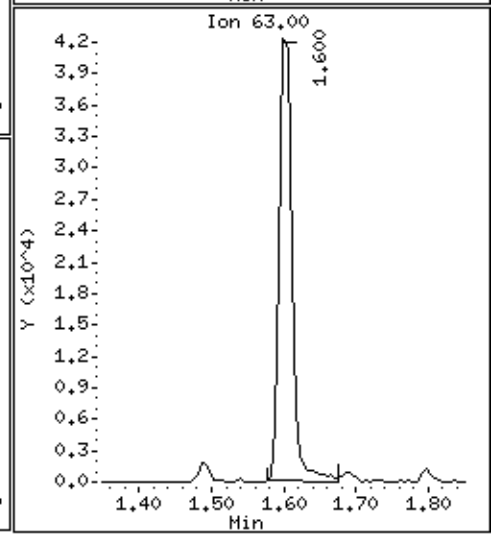












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

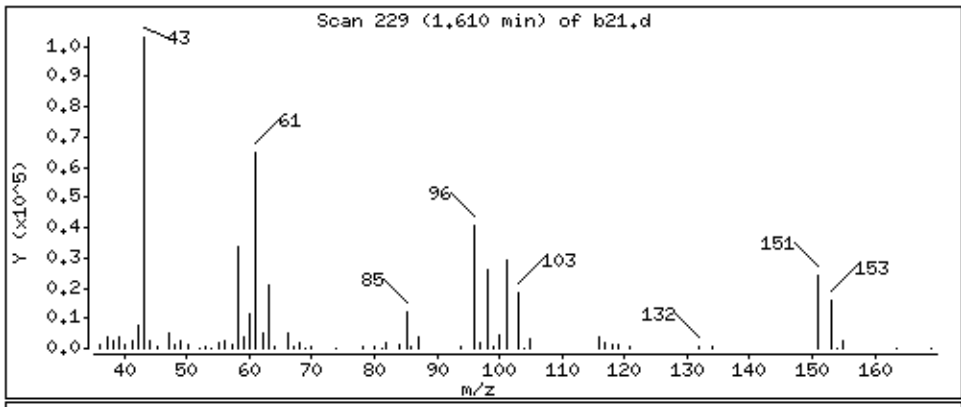
Column phase: DB-624

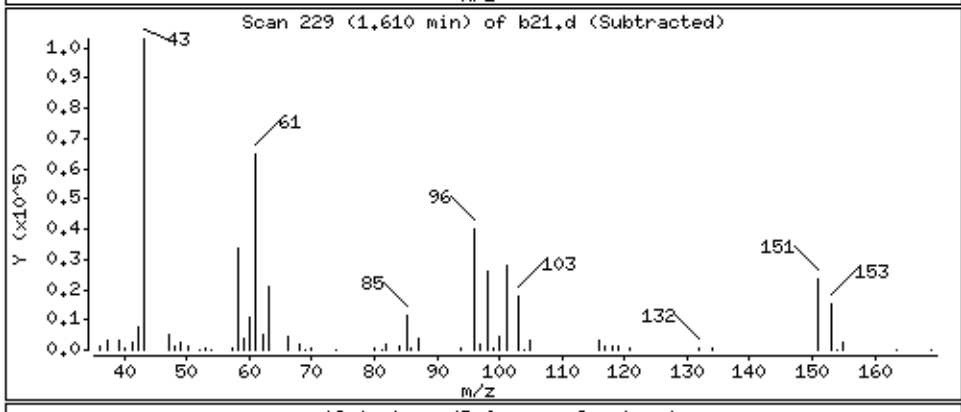
Column diameter: 0.18

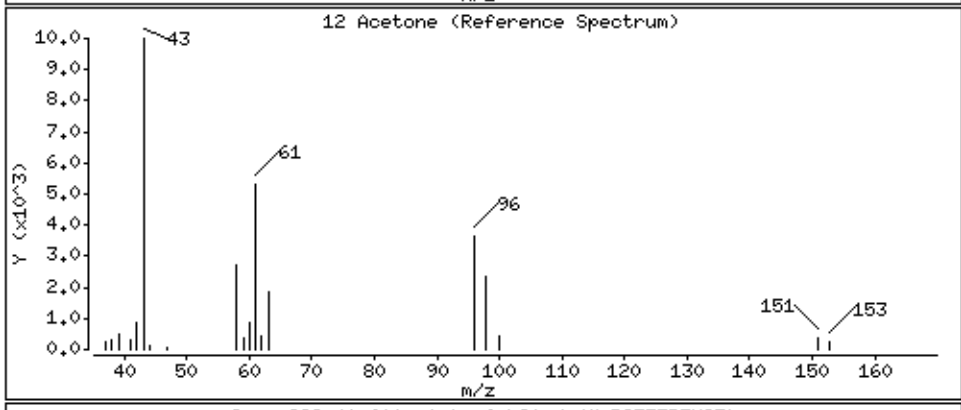
12 Acetone

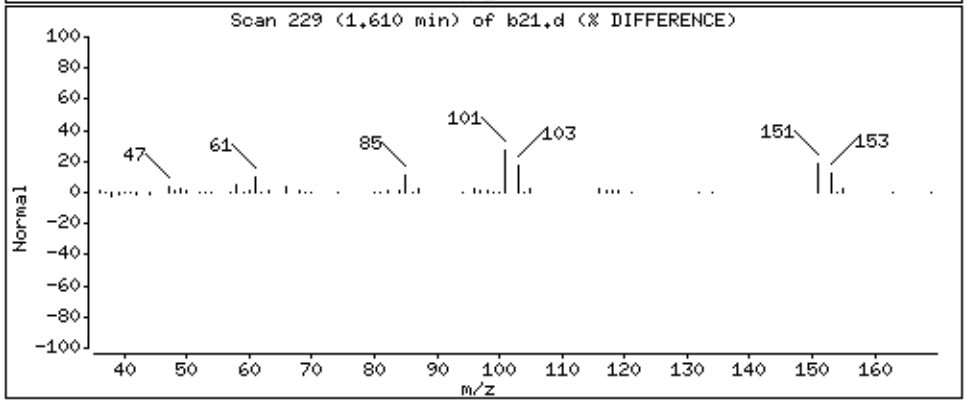
Concentration: 400 ppb

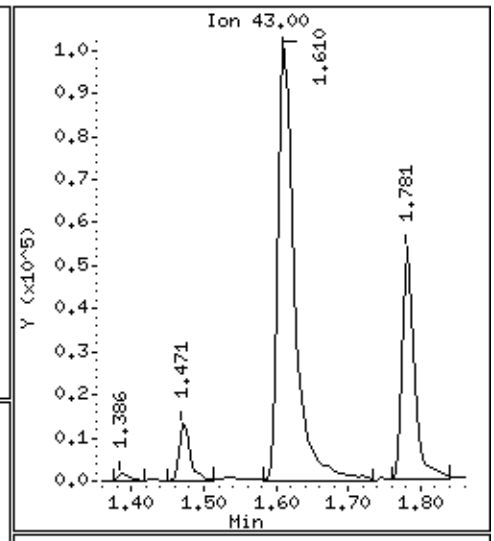
Review Code:

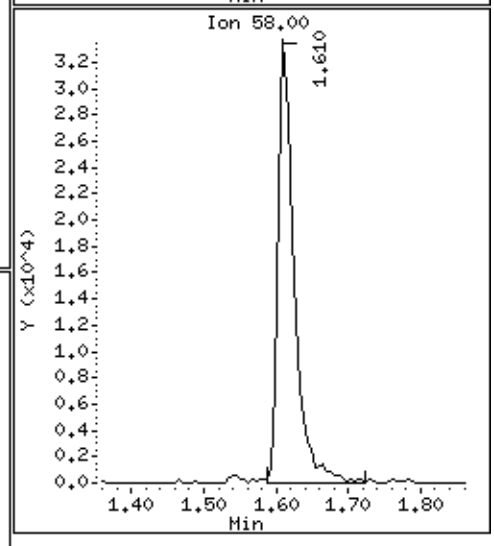












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

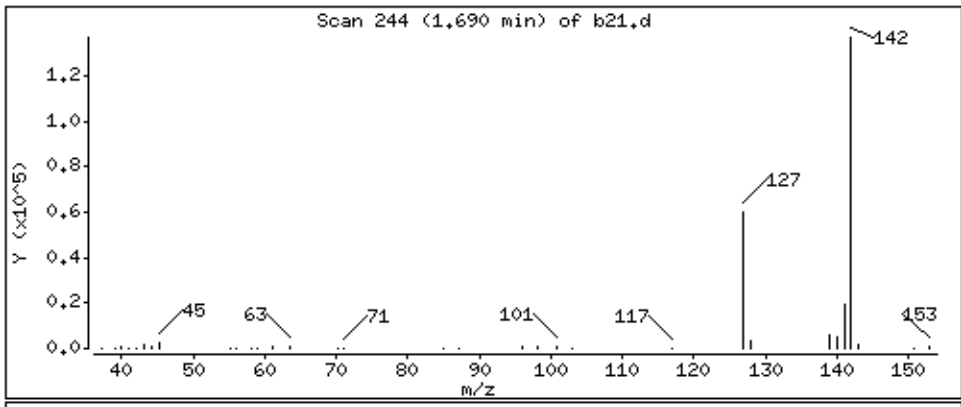
Column phase: DB-624

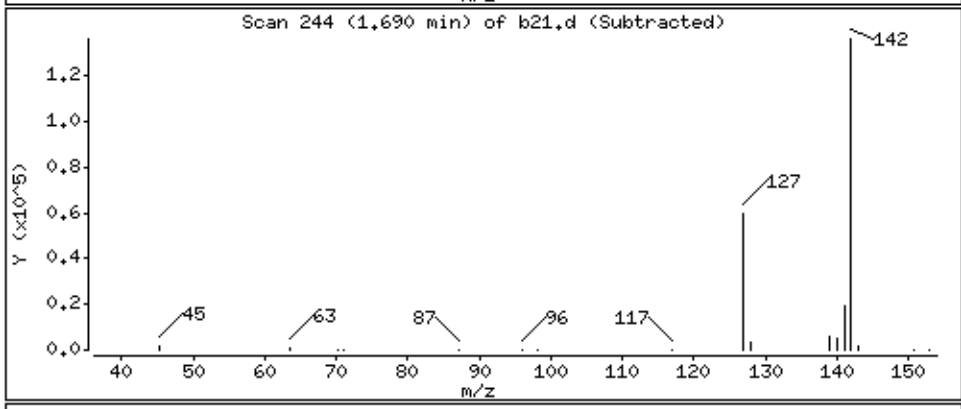
Column diameter: 0.18

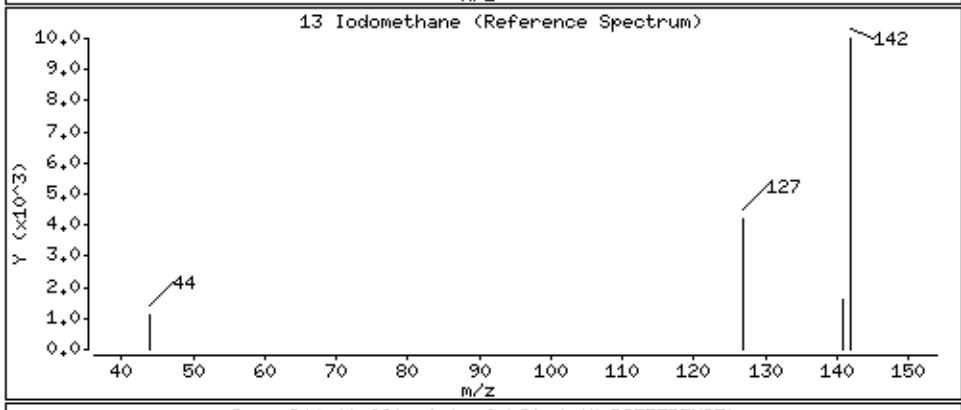
13 Iodomethane

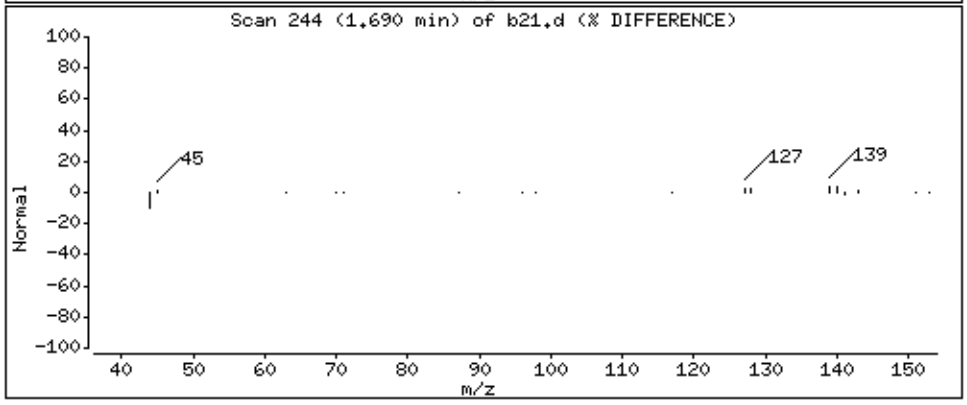
Concentration: 95.1 ppb

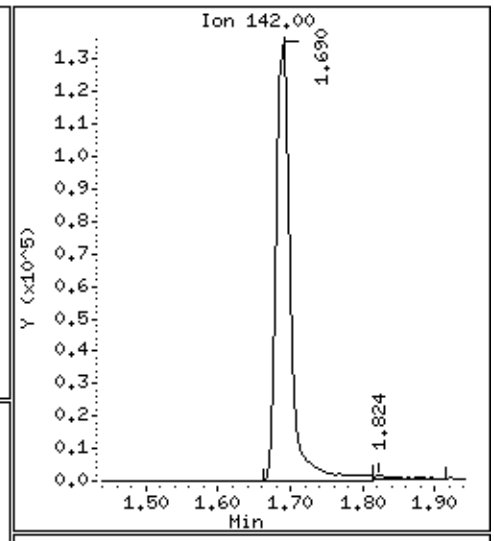
Review Code:

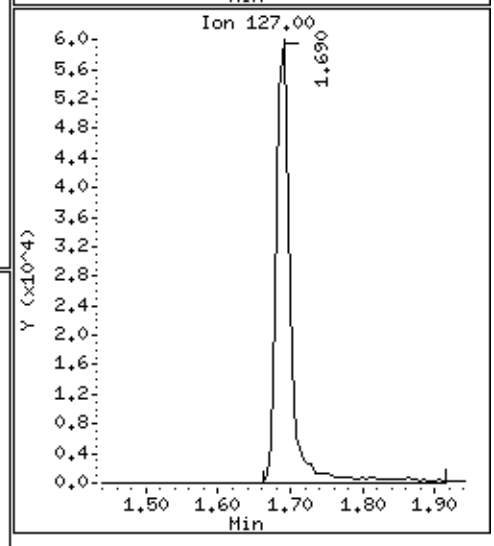












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

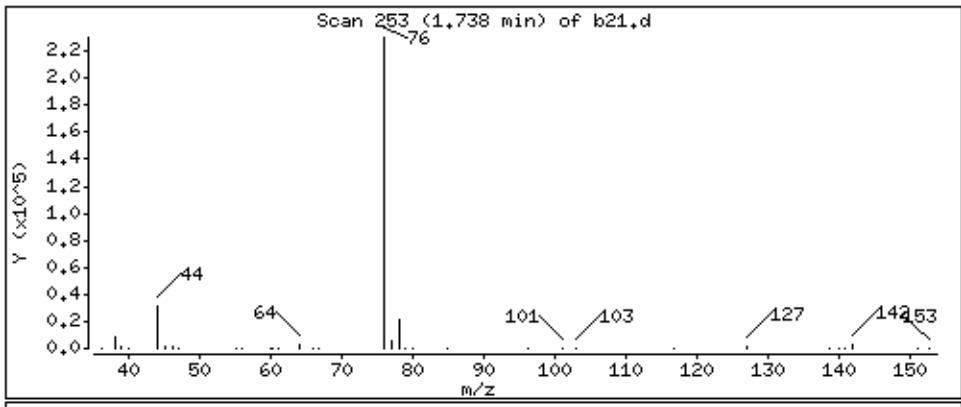
Column phase: DB-624

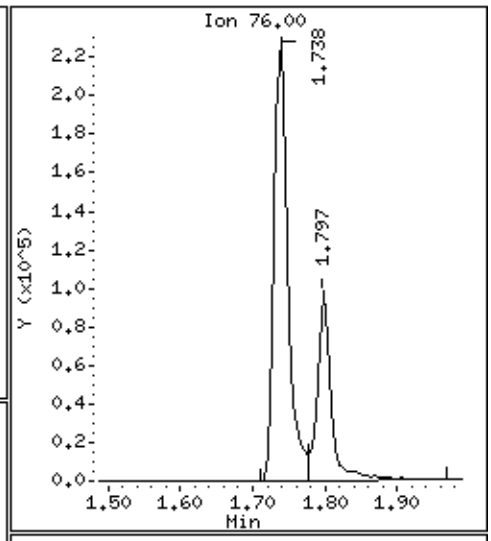
Column diameter: 0.18

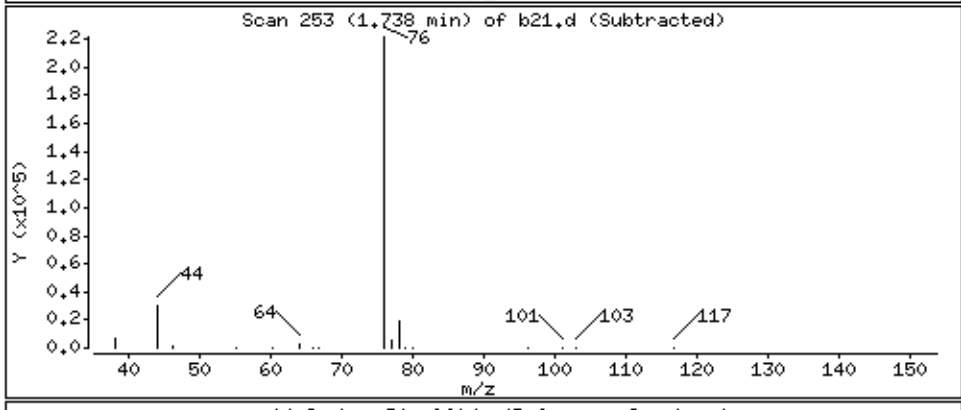
14 Carbon Disulfide

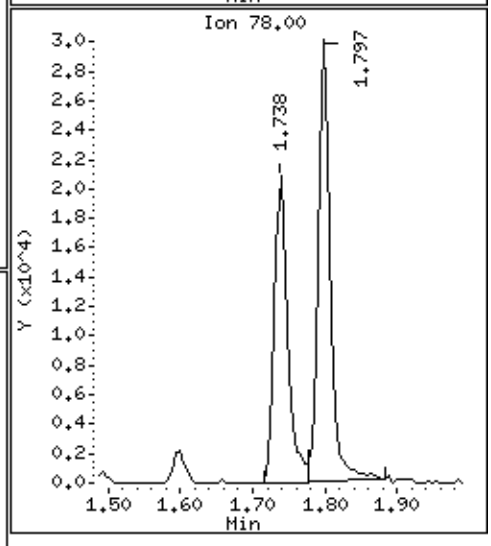
Concentration: 44.5 ppb

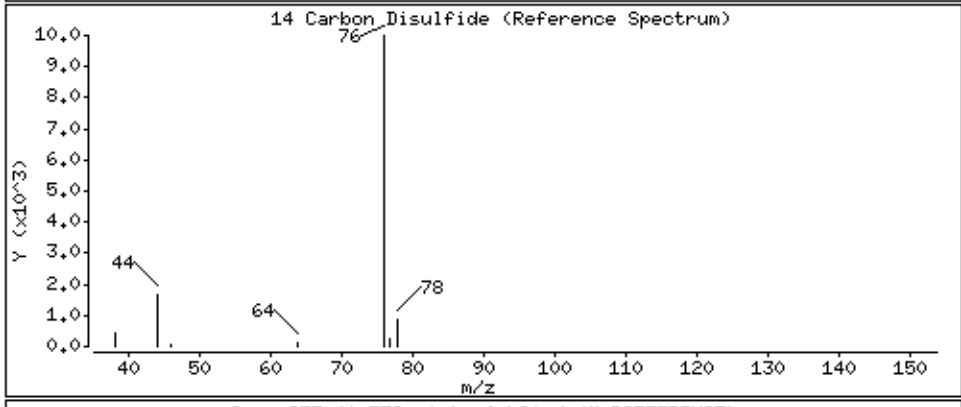
Review Code:

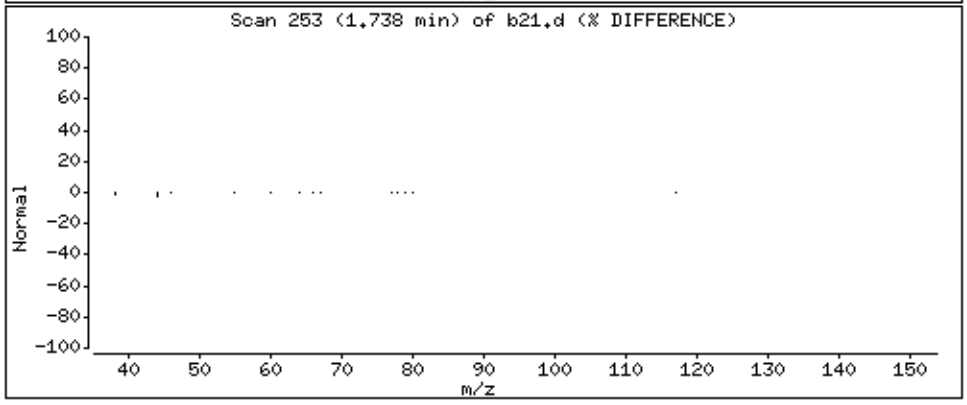












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

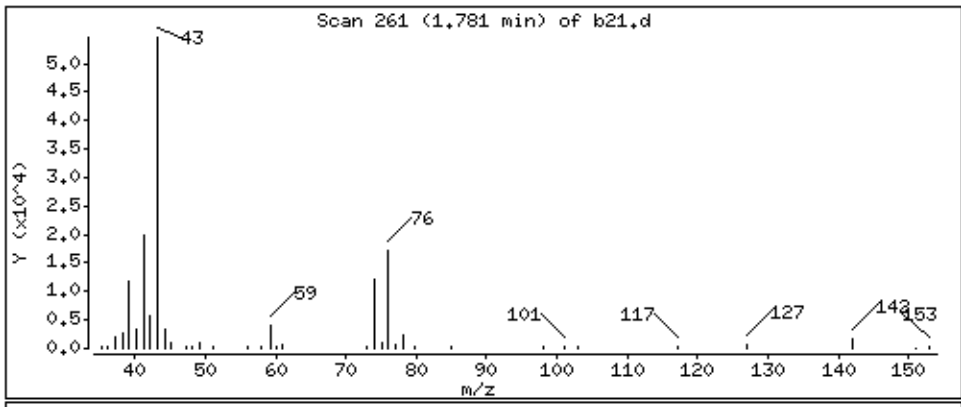
Column phase: DB-624

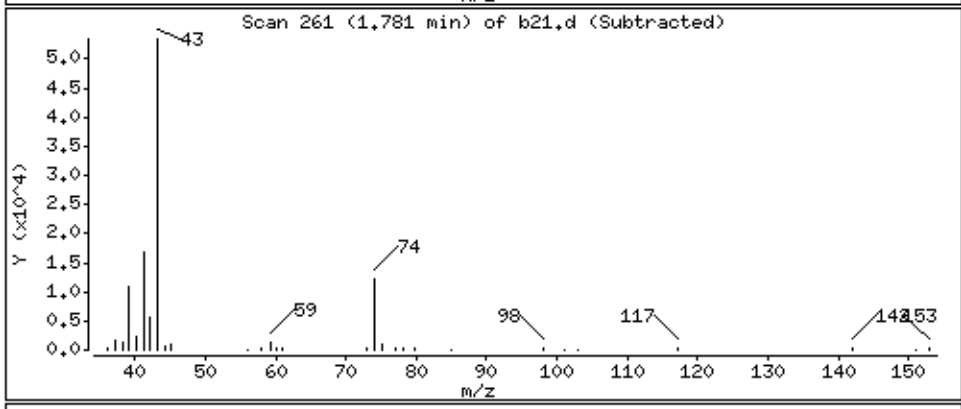
Column diameter: 0.18

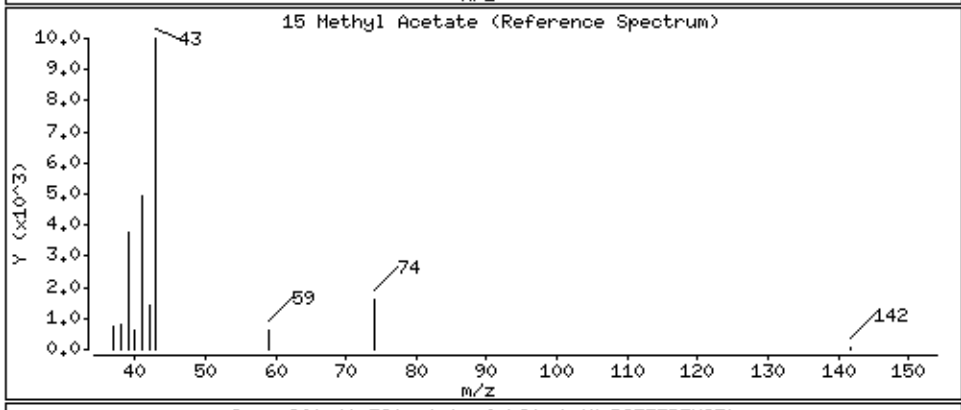
15 Methyl Acetate

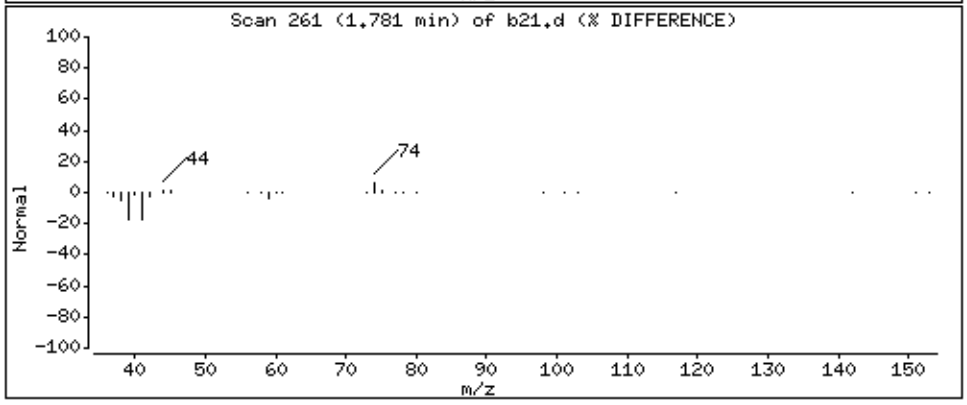
Concentration: 60.1 ppb

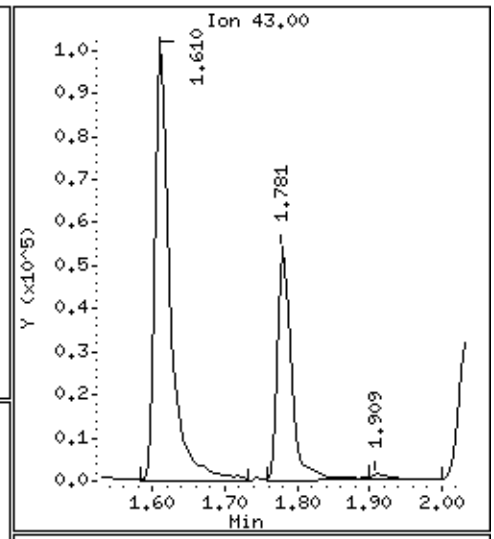
Review Code:

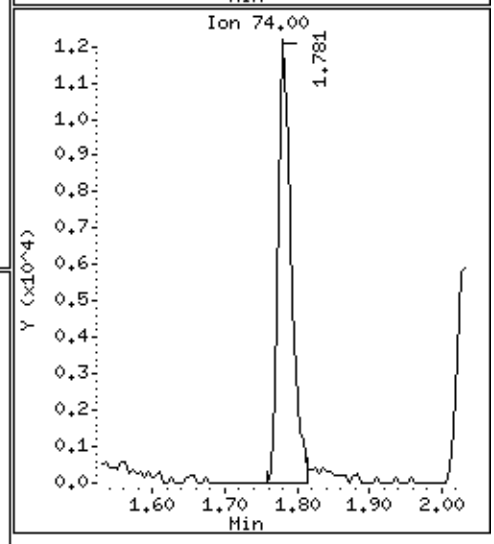












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

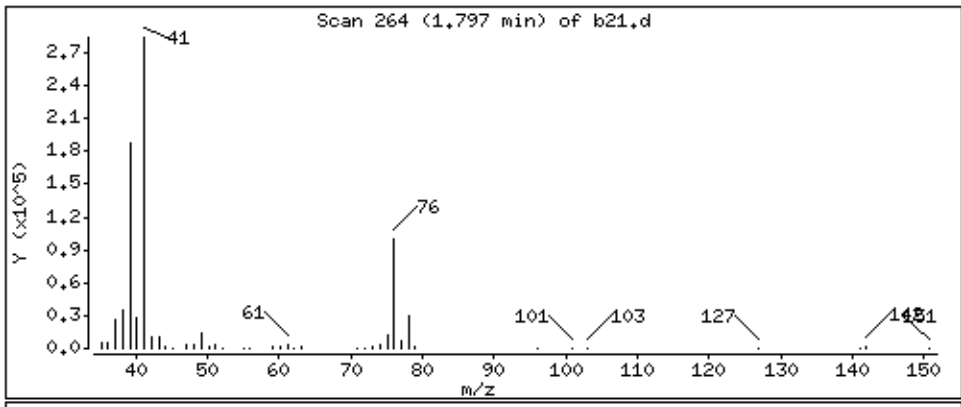
Column phase: DB-624

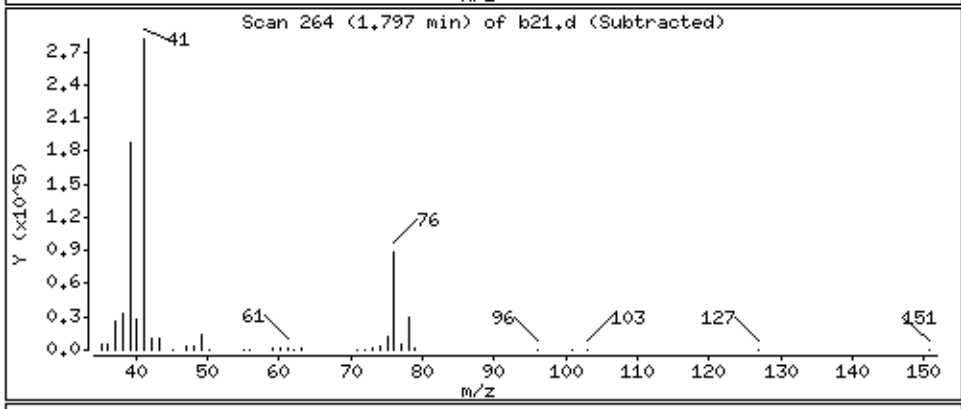
Column diameter: 0.18

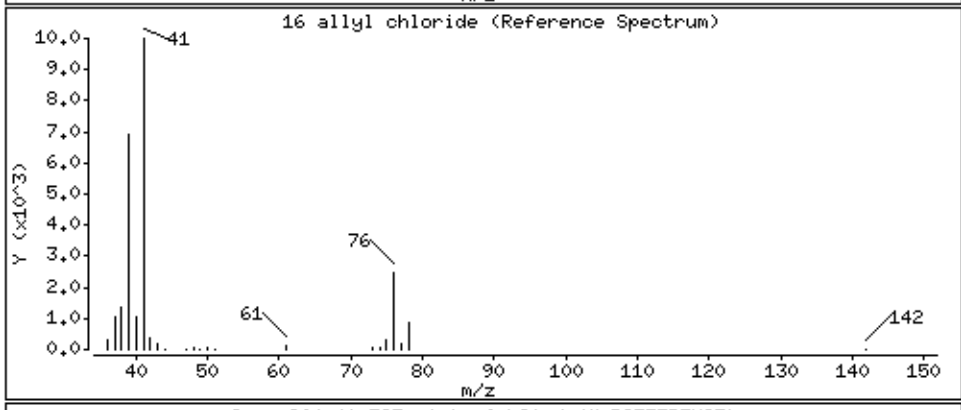
16 allyl chloride

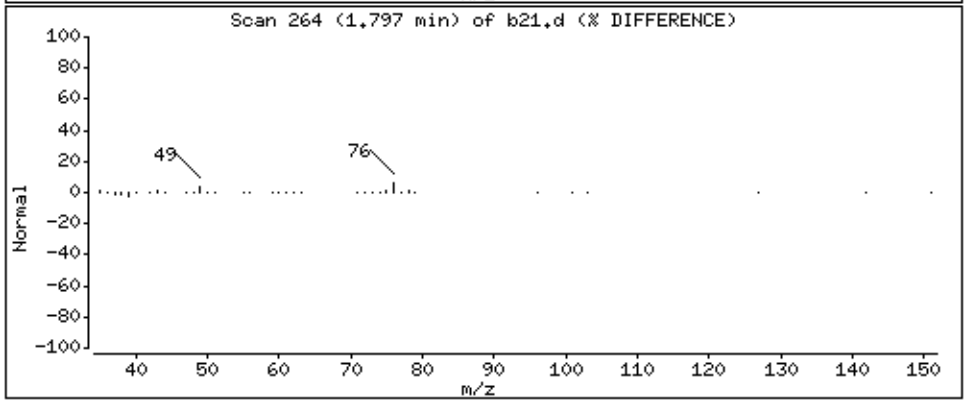
Concentration: 91.1 ppb

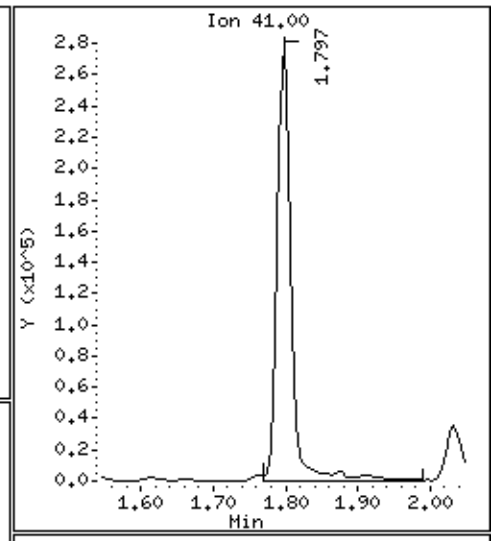
Review Code:

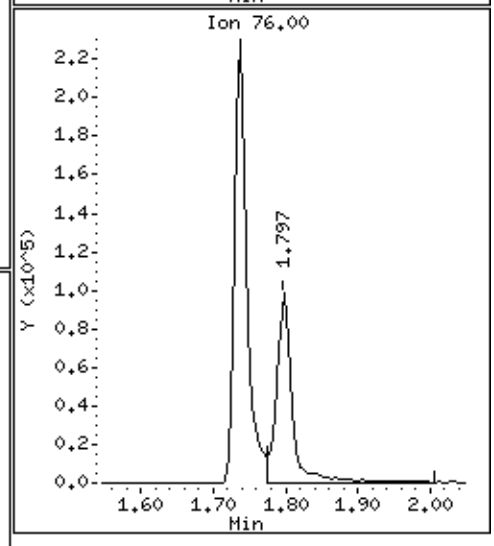












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

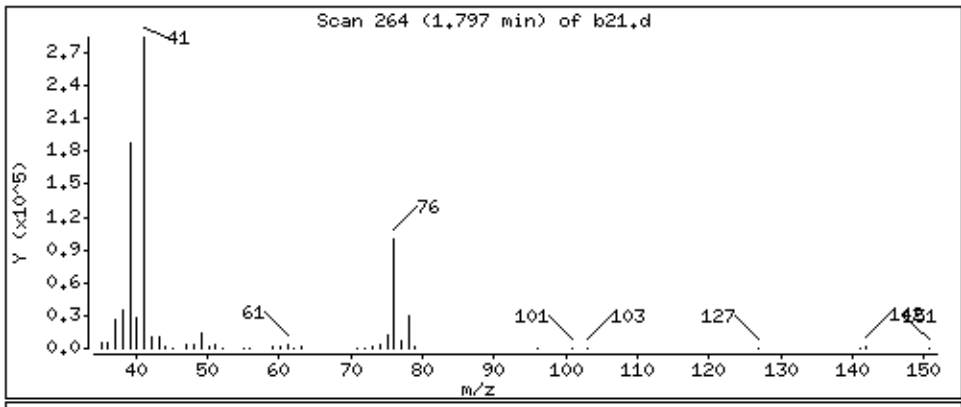
Column phase: DB-624

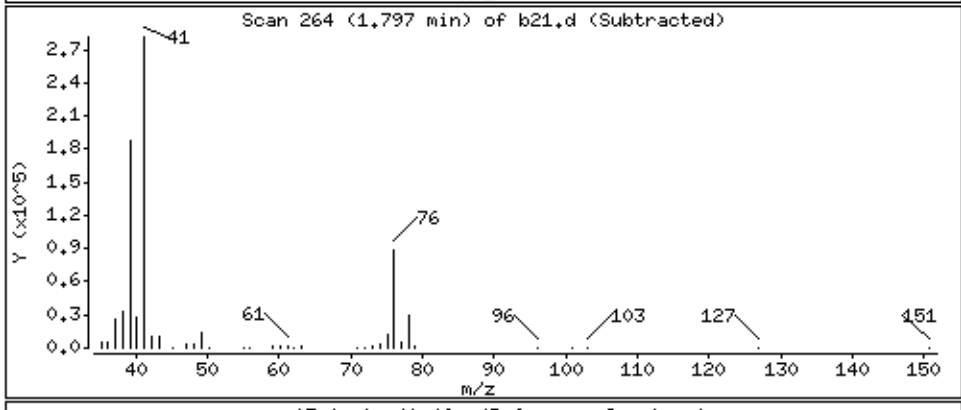
Column diameter: 0.18

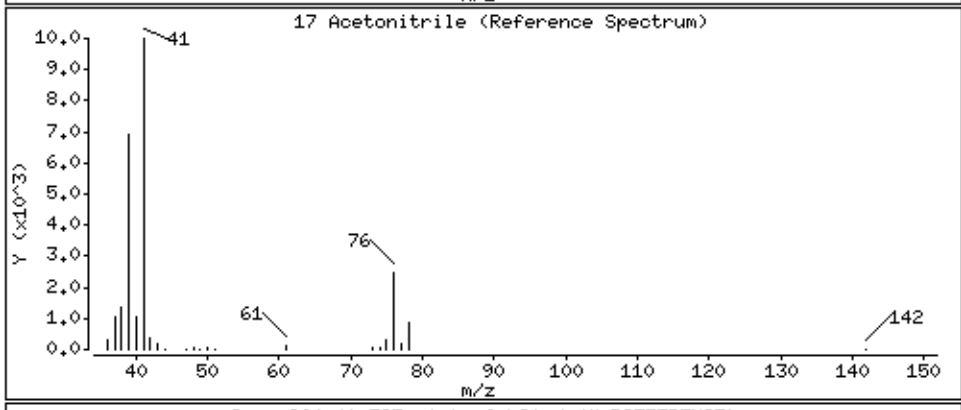
17 Acetonitrile

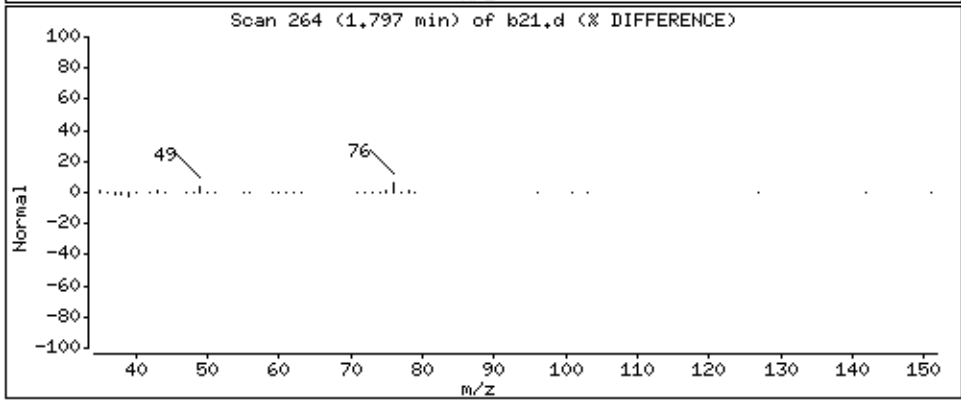
Concentration: 40.2 ppb

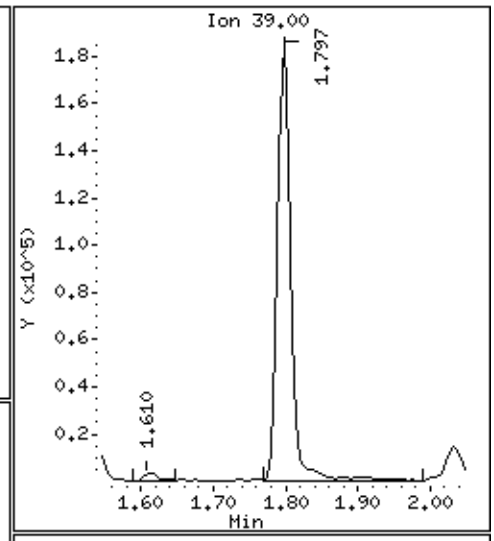
Review Code:

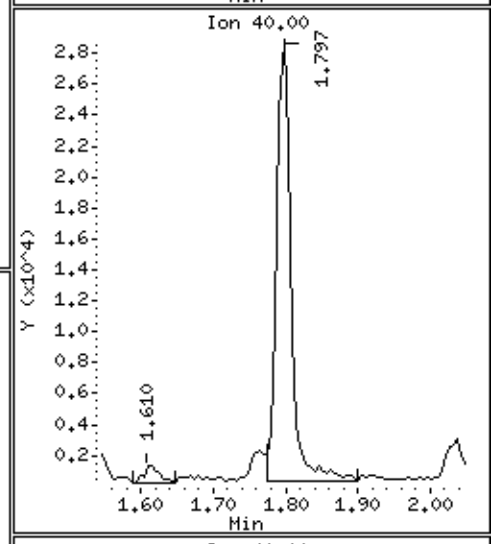


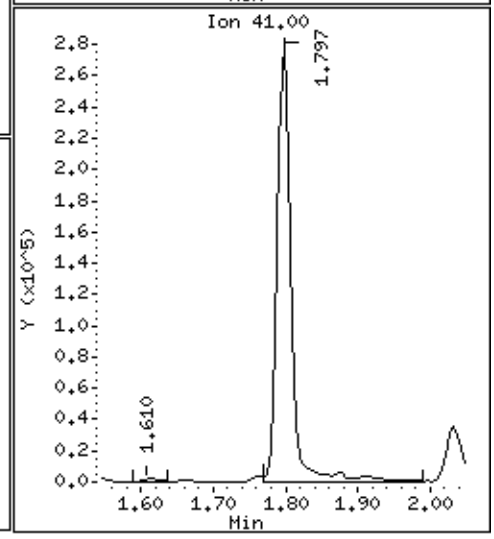












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

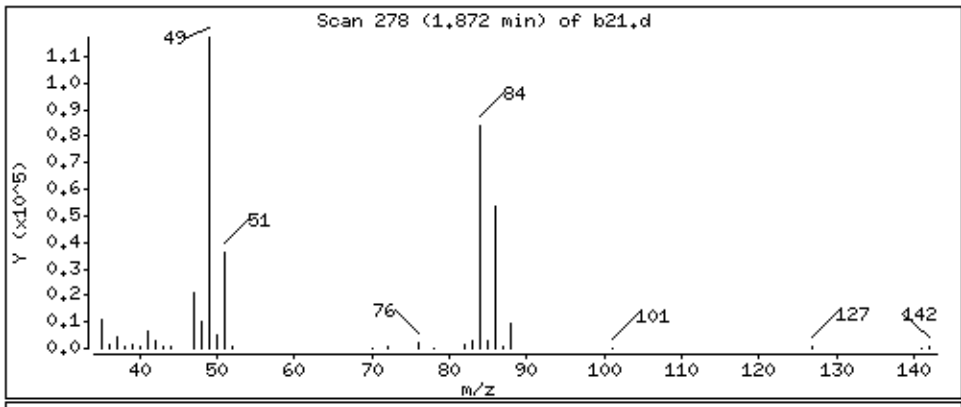
Column phase: DB-624

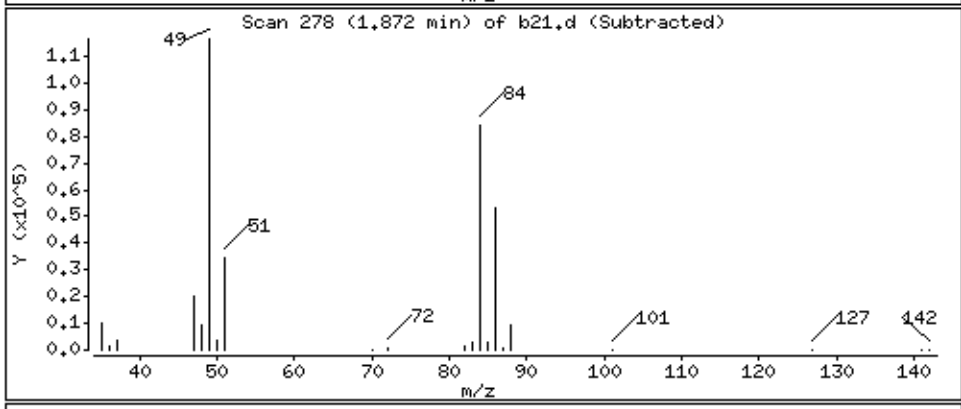
Column diameter: 0.18

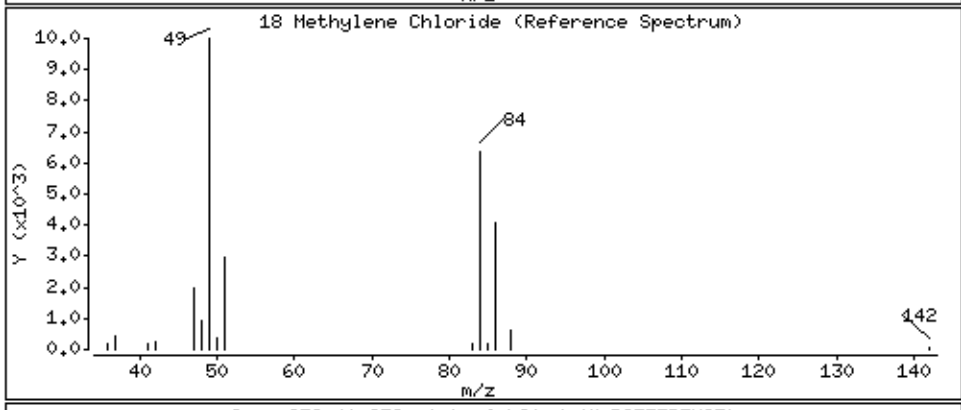
18 Methylene Chloride

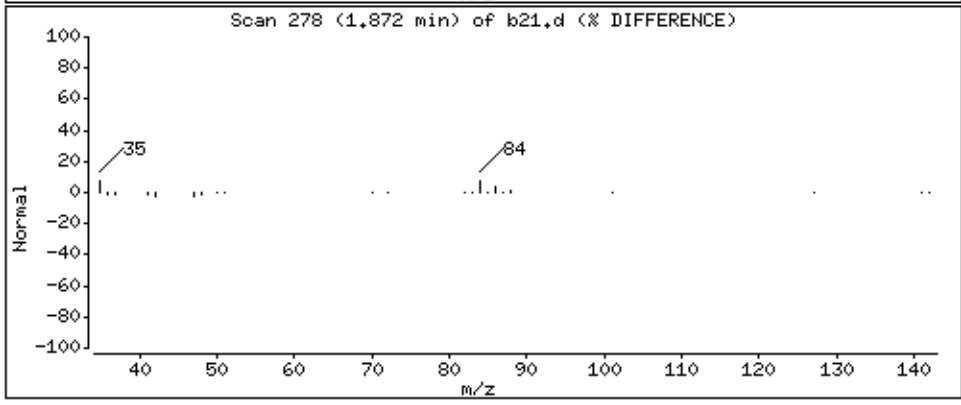
Concentration: 56.7 ppb

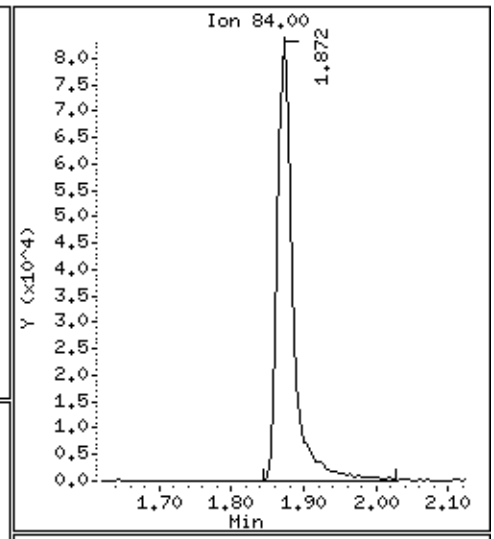
Review Code:

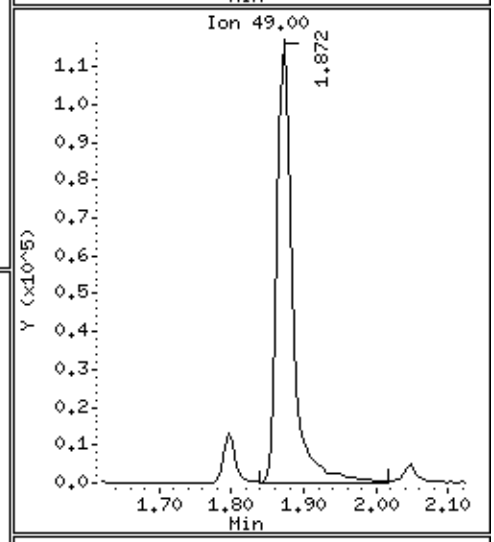


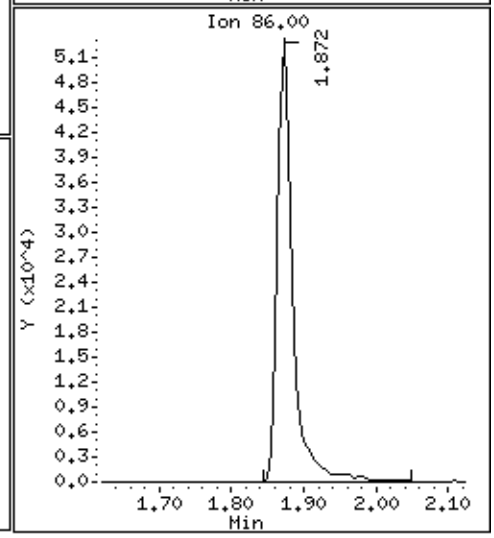












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

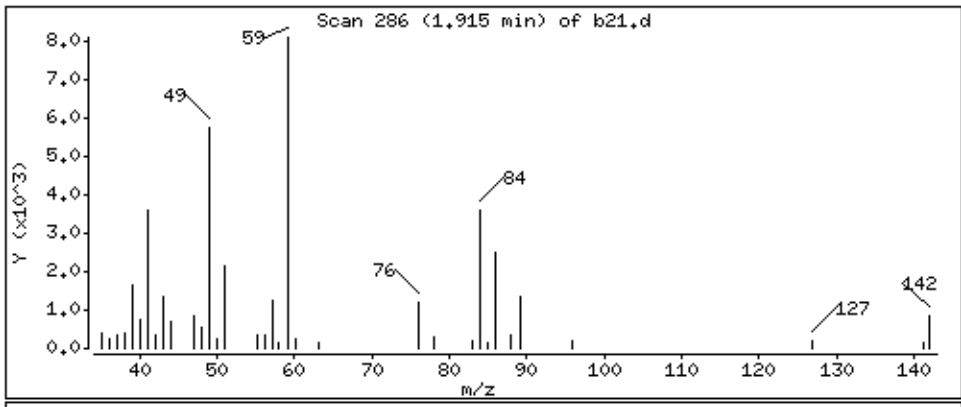
Column phase: DB-624

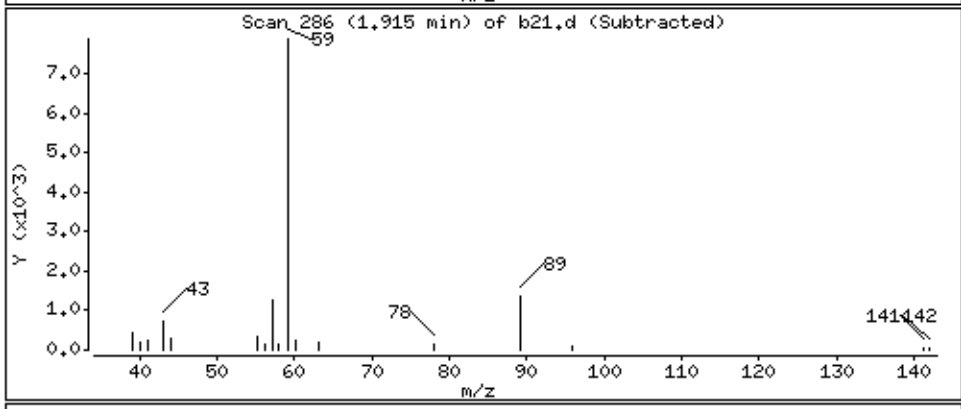
Column diameter: 0.18

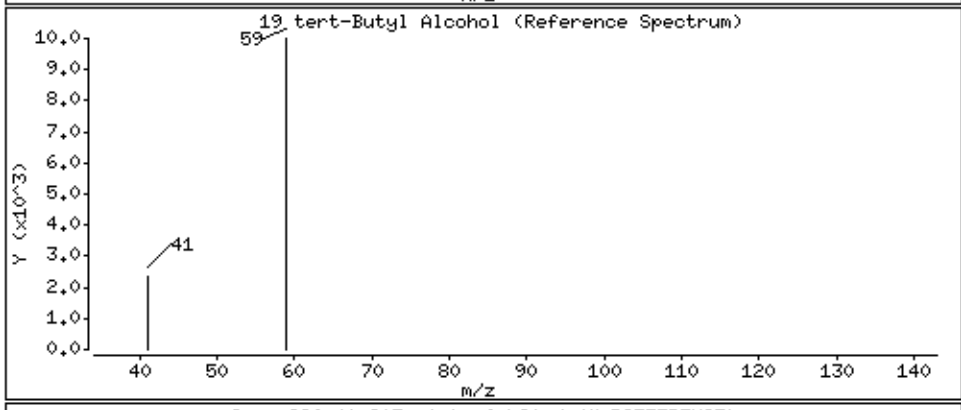
19 tert-Butyl Alcohol

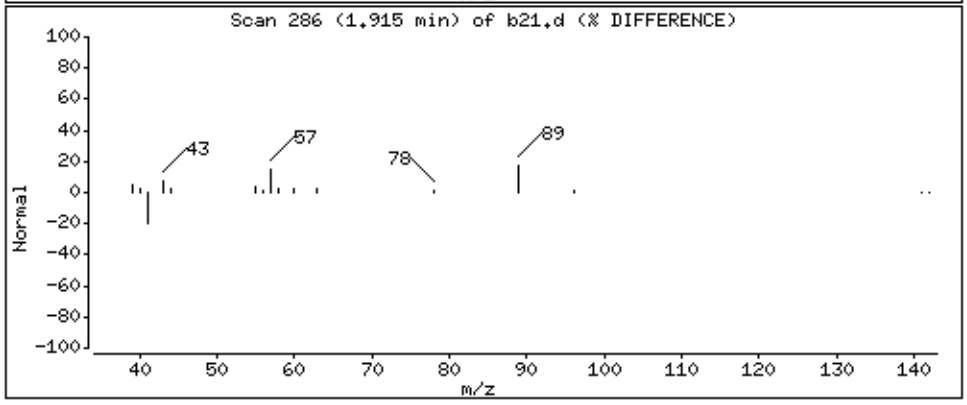
Concentration: 110 ppb

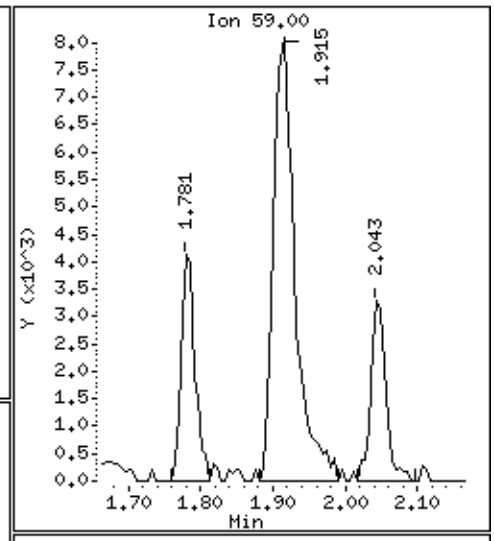
Review Code:

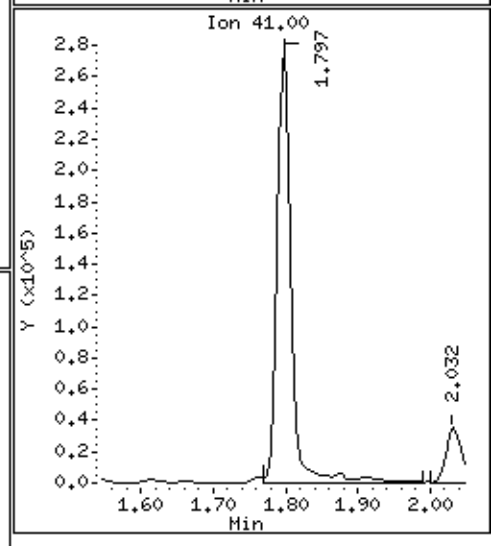












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

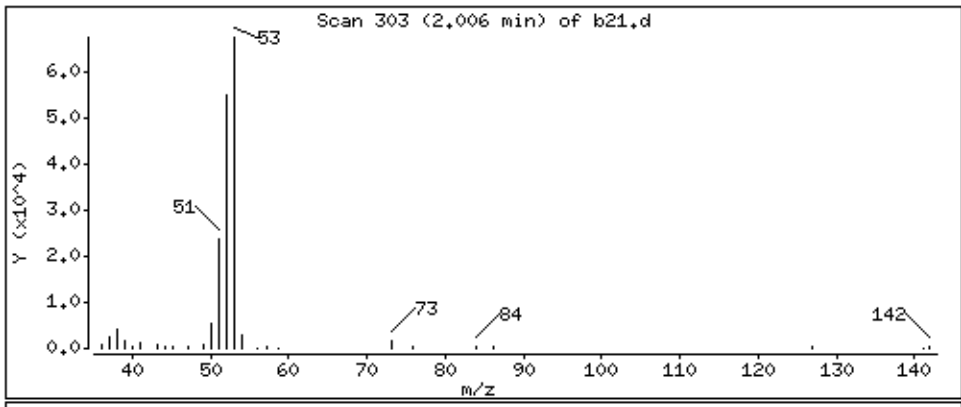
Column phase: DB-624

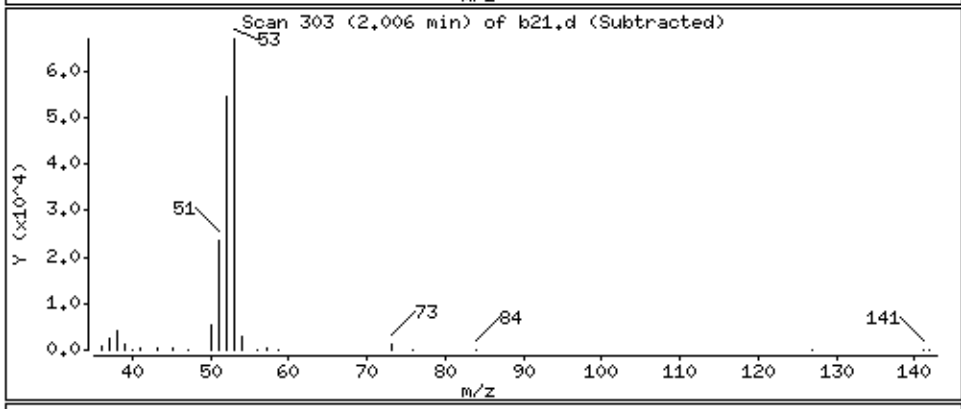
Column diameter: 0.18

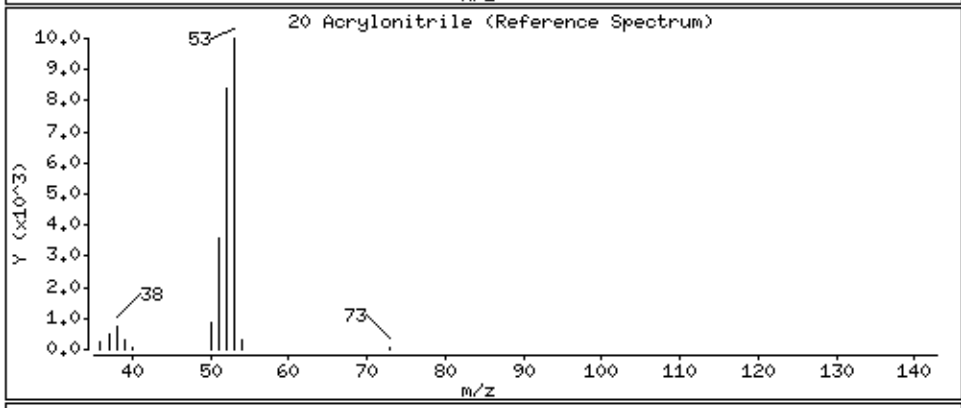
20 Acrylonitrile

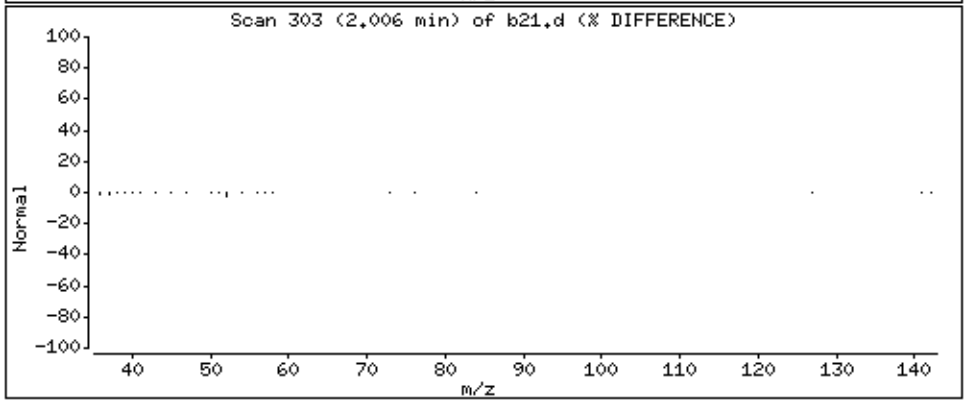
Concentration: 206 ppb

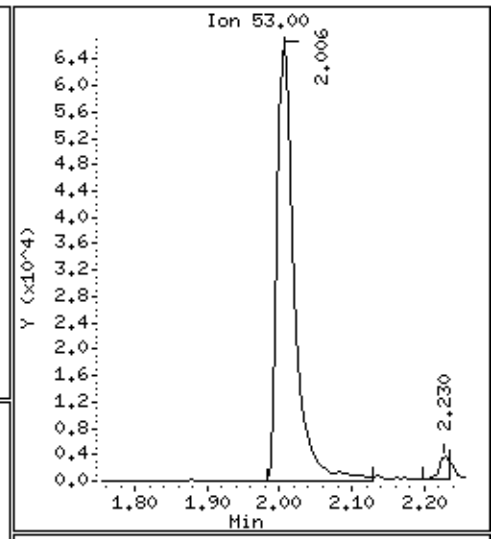
Review Code:

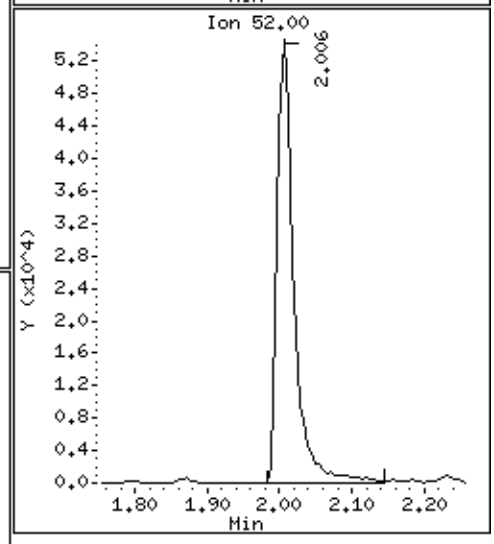












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

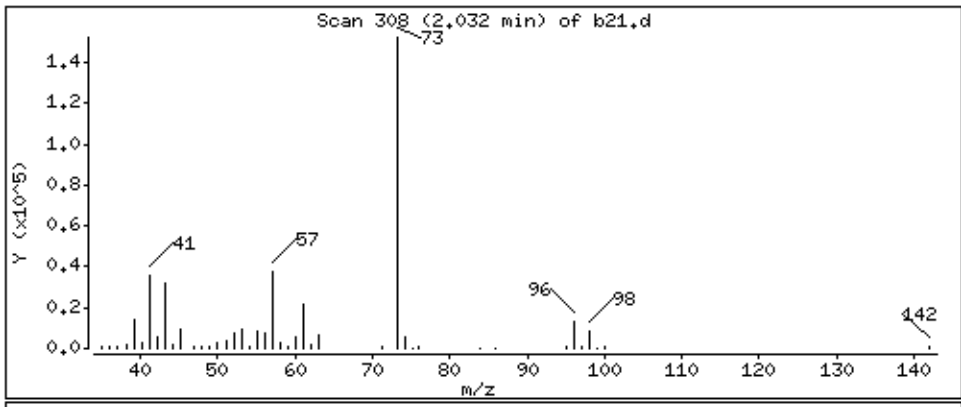
Column phase: DB-624

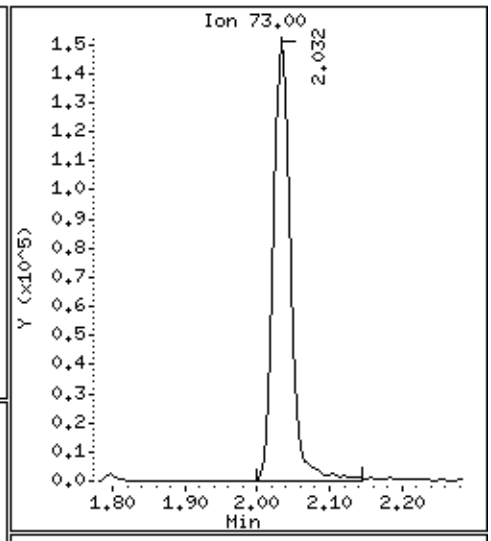
Column diameter: 0.18

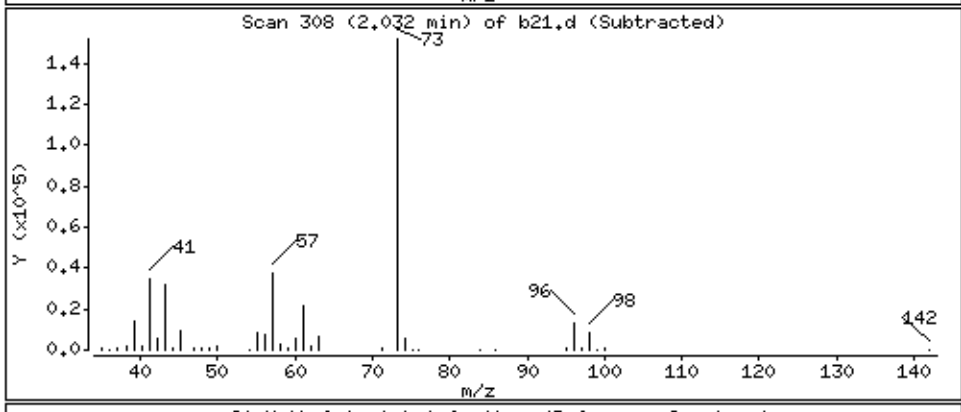
21 Methyl-tert-butyl ether

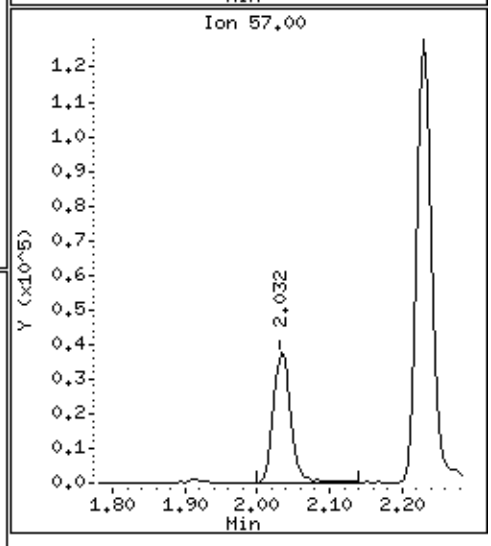
Concentration: 49.8 ppb

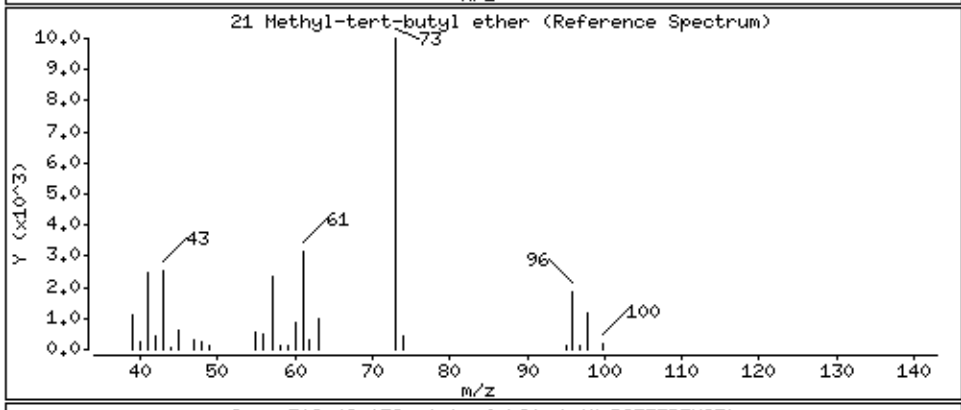
Review Code:

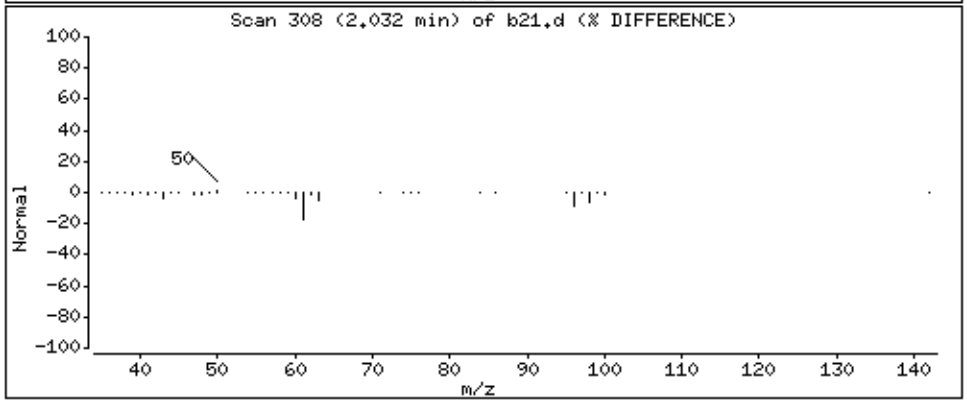












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

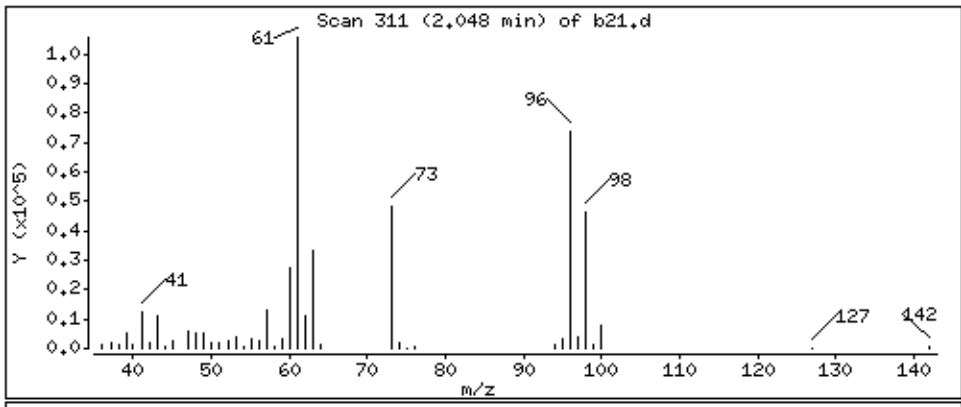
Column phase: DB-624

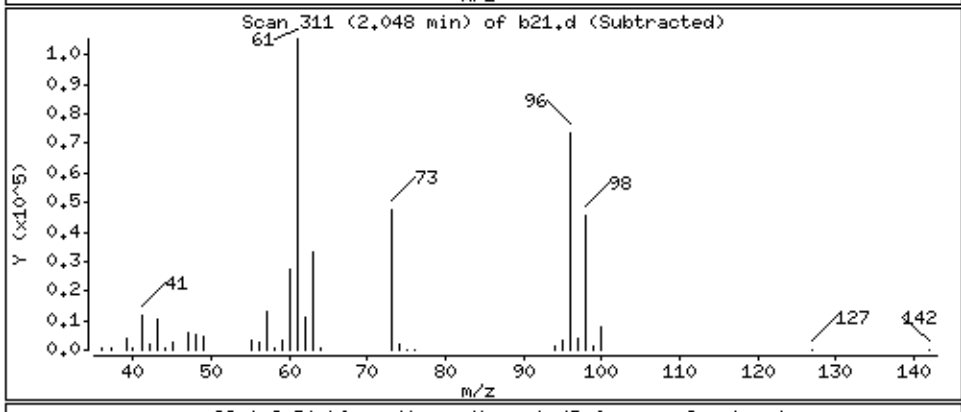
Column diameter: 0.18

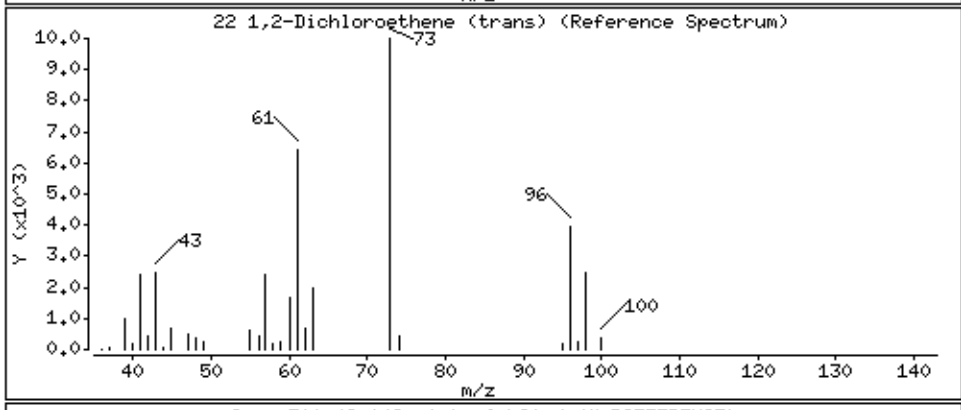
22 1,2-Dichloroethene (trans)

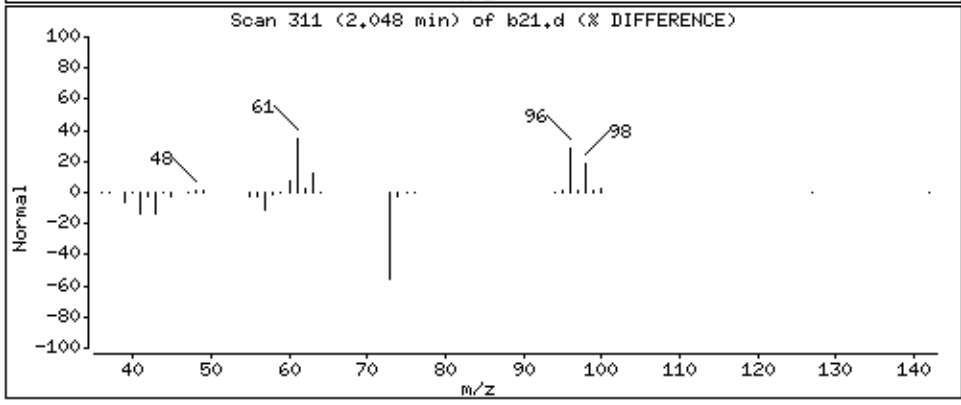
Concentration: 46.2 ppb

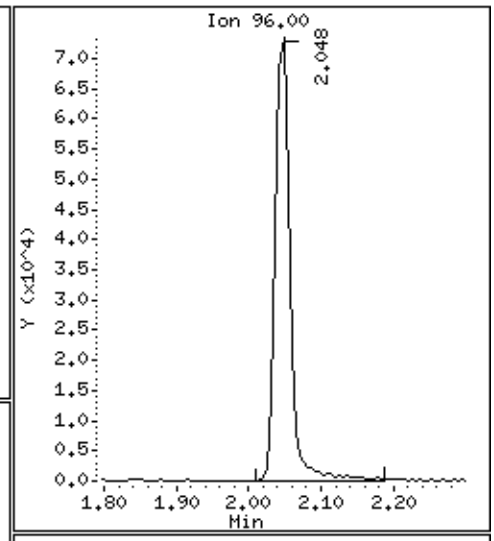
Review Code:

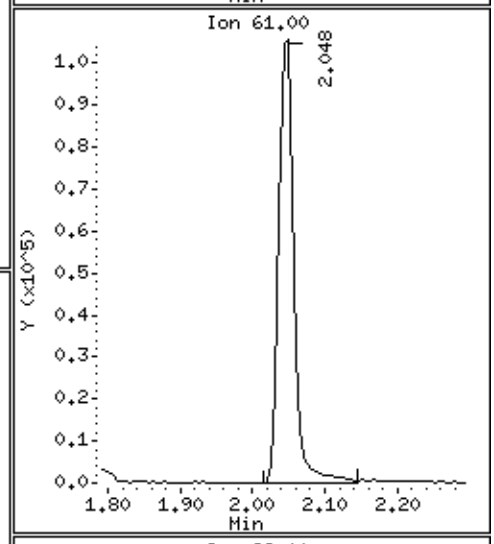


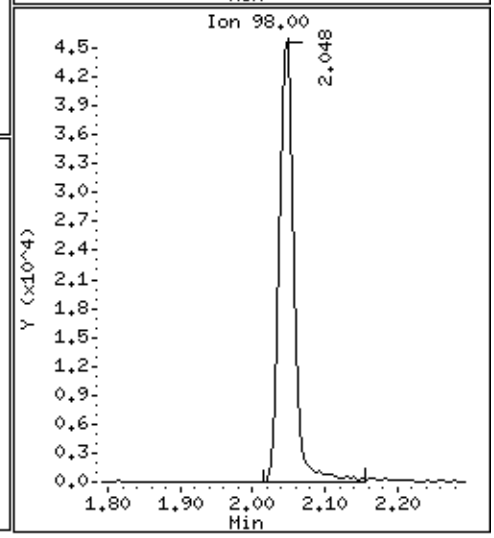












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

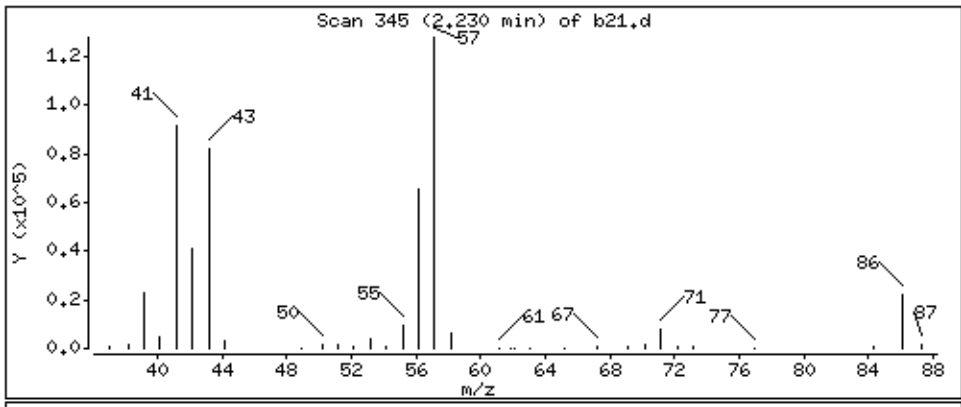
Column phase: DB-624

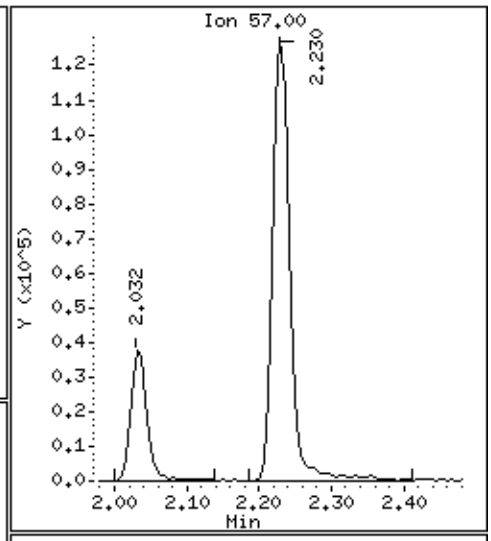
Column diameter: 0.18

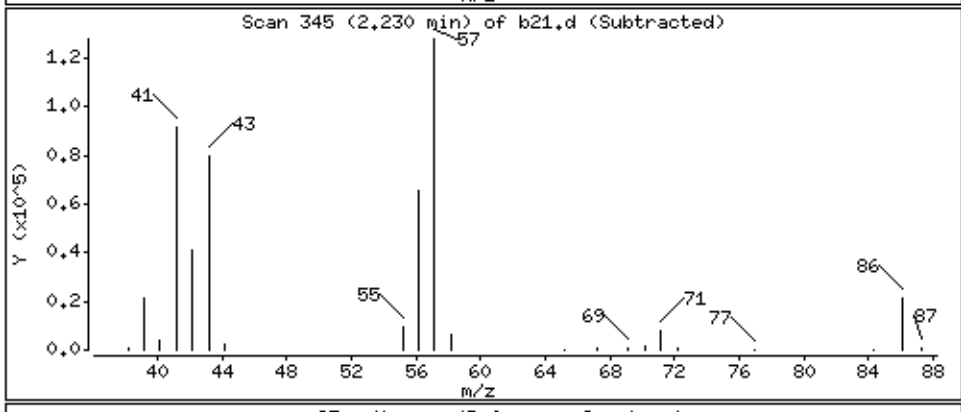
23 n-Hexane

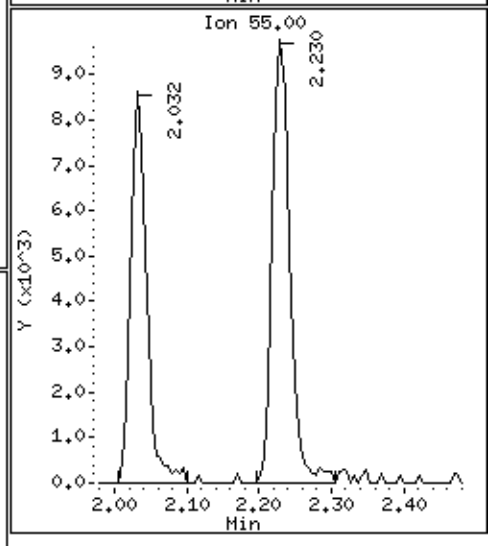
Concentration: 47.7 ppb

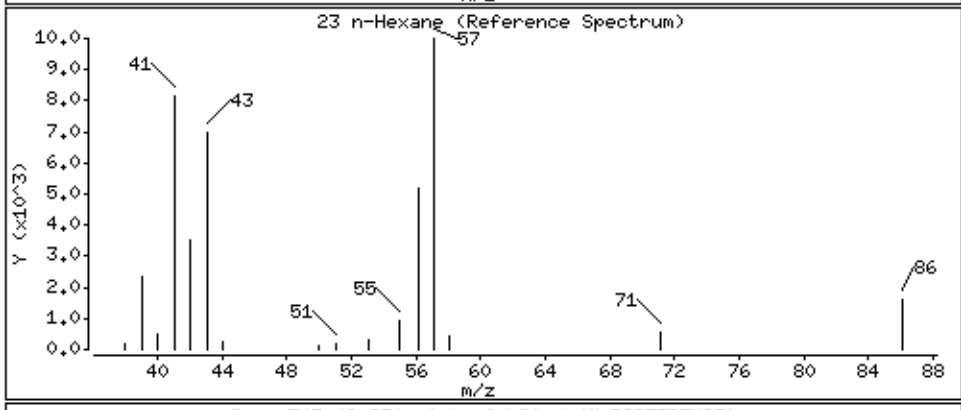
Review Code:

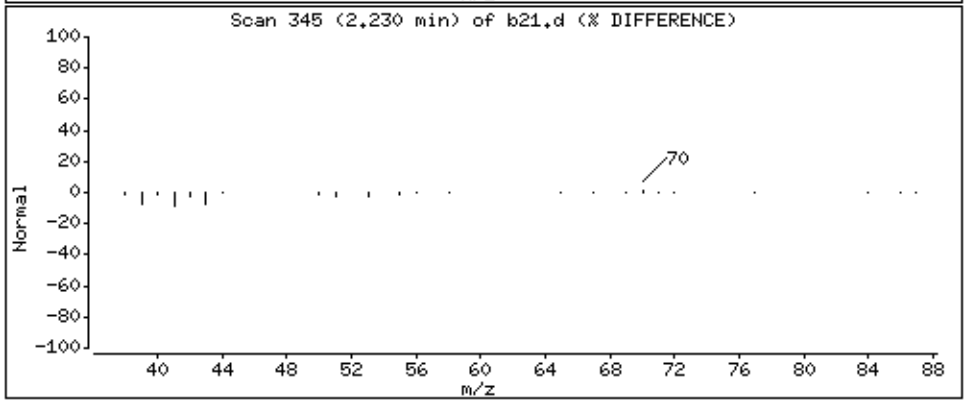












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

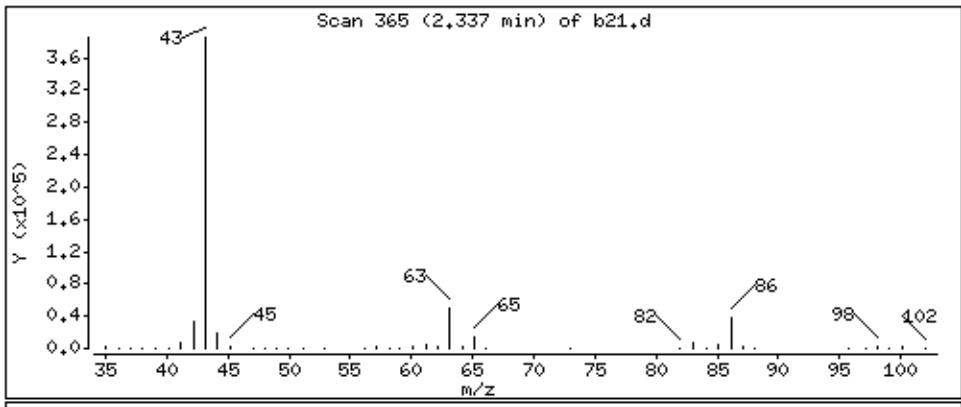
Column phase: DB-624

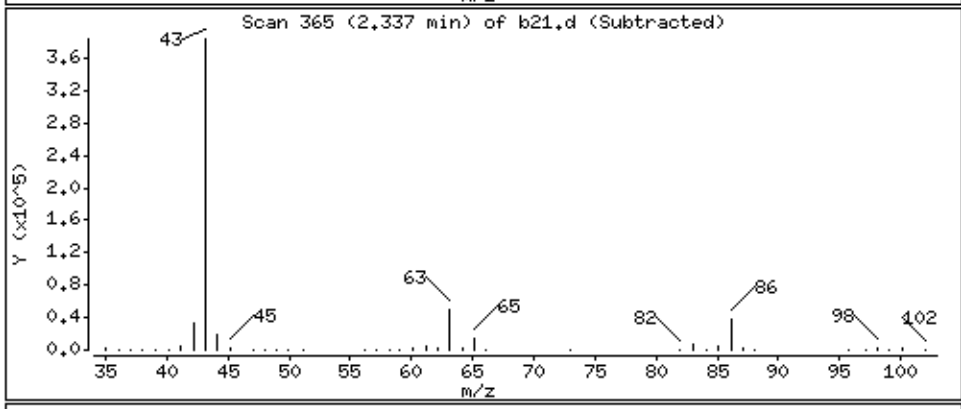
Column diameter: 0.18

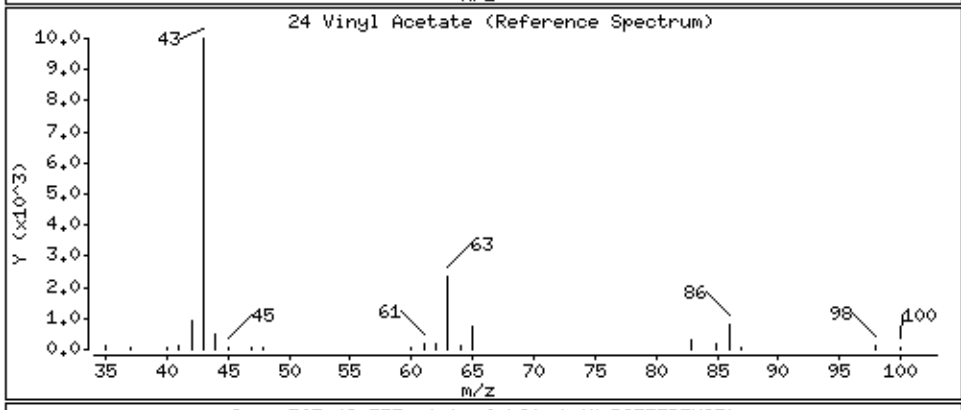
24 Vinyl Acetate

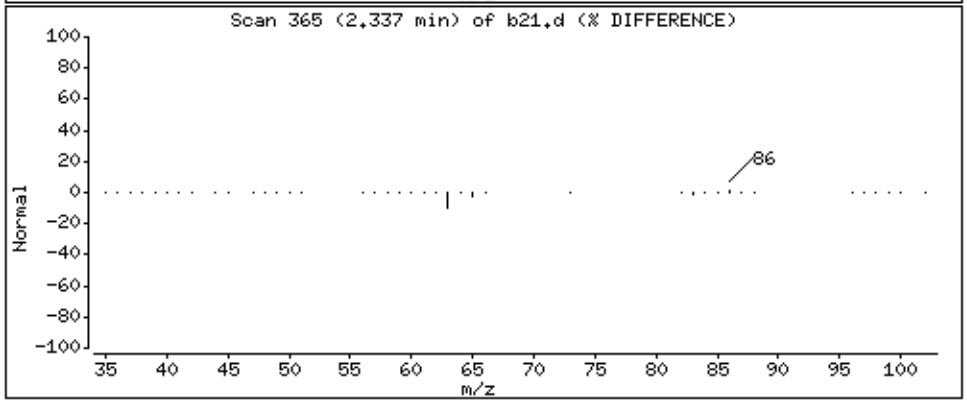
Concentration: 185 ppb

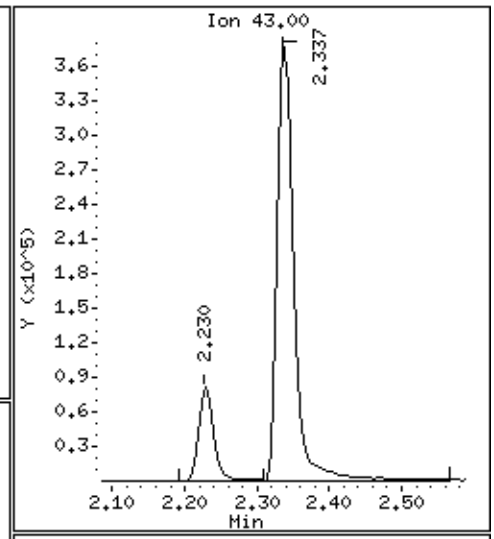
Review Code:

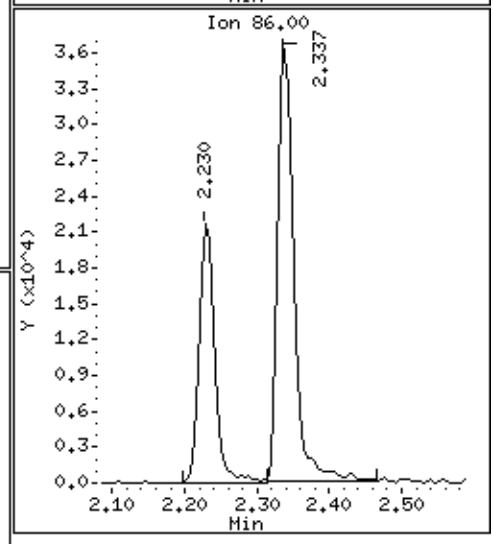












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

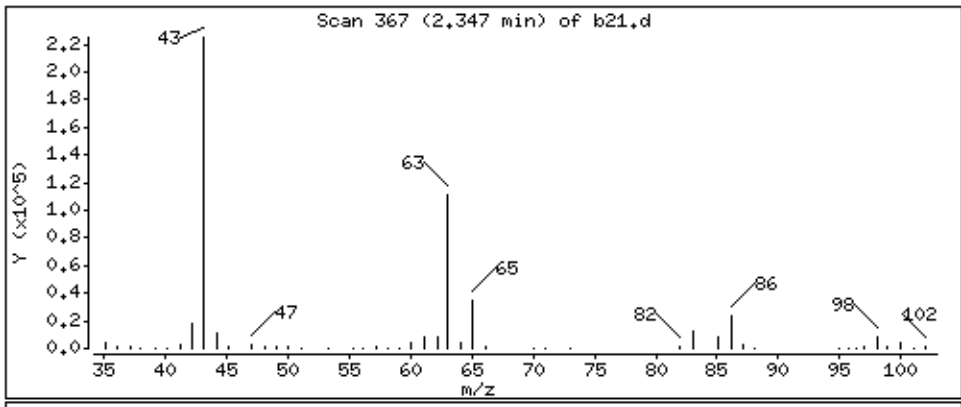
Column phase: DB-624

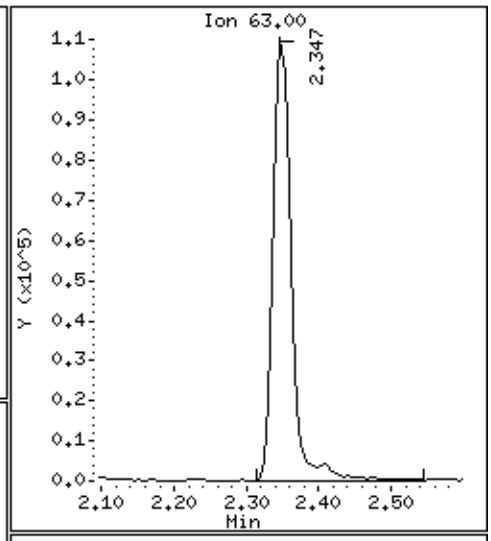
Column diameter: 0.18

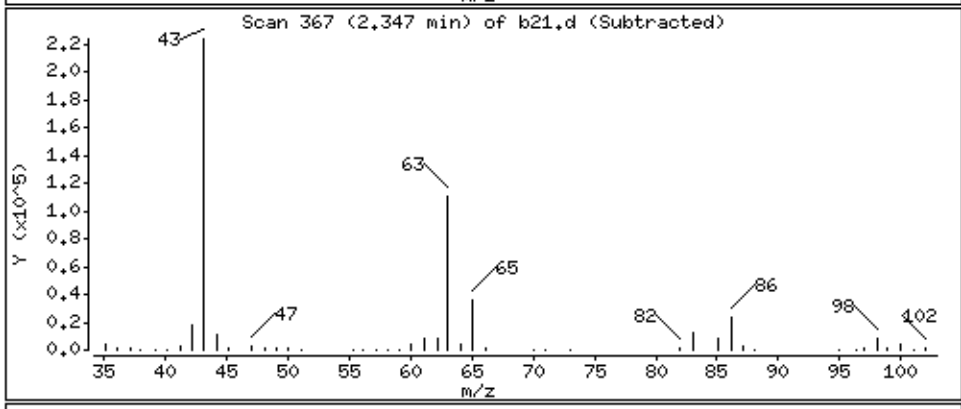
25 1,1-Dichloroethane

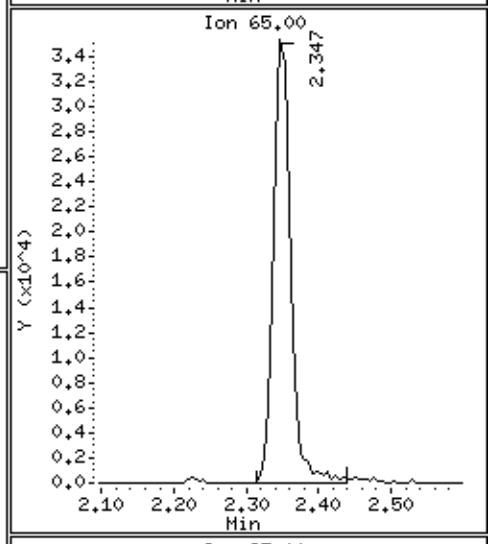
Concentration: 46.3 ppb

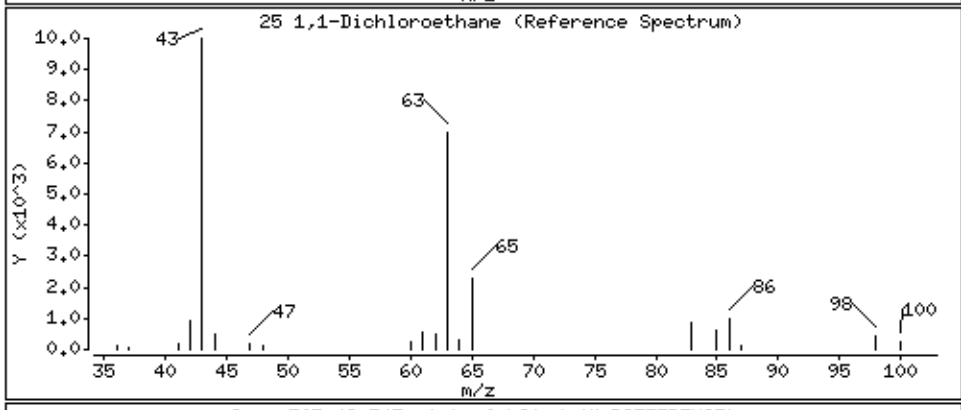
Review Code:

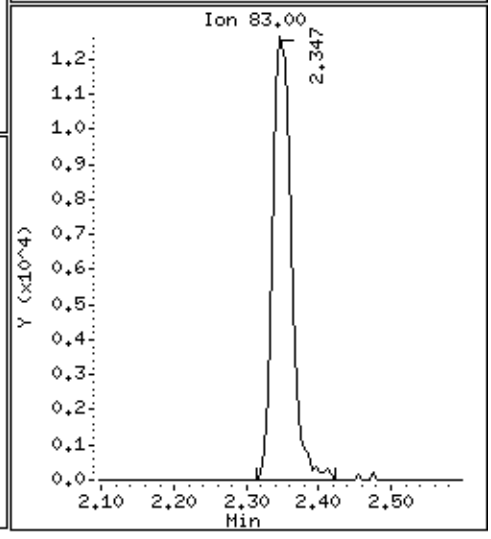


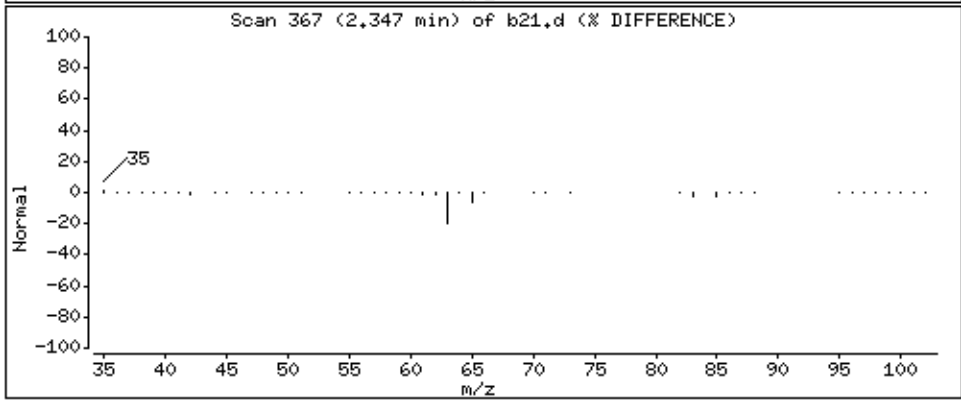












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

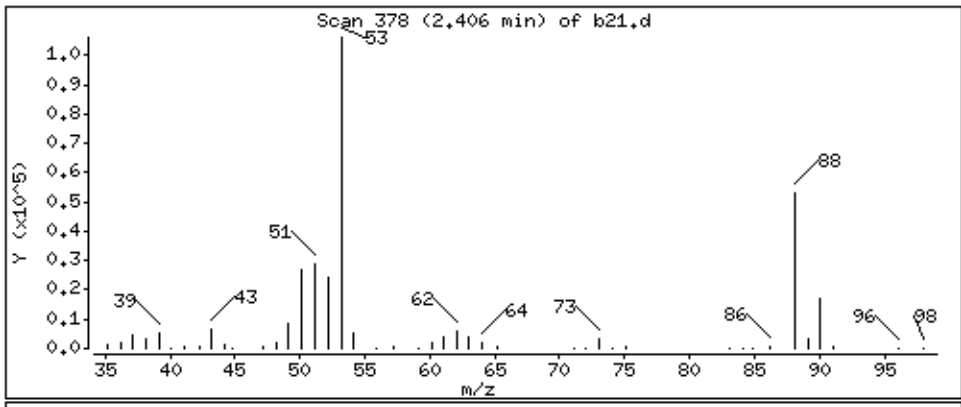
Column phase: DB-624

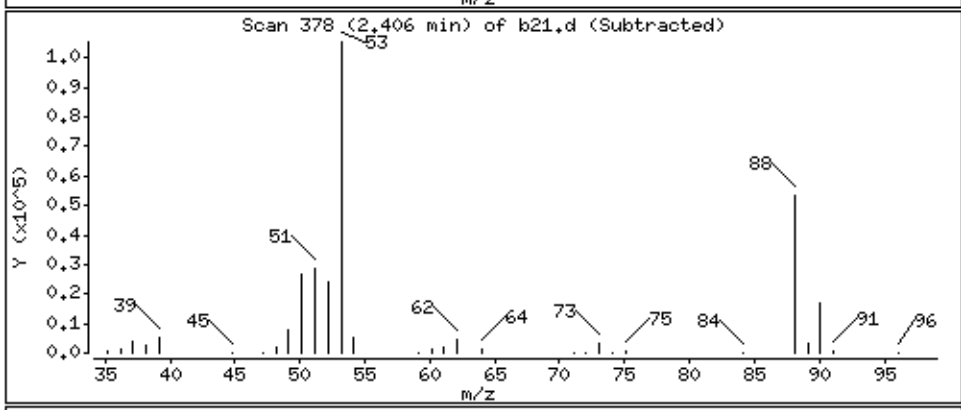
Column diameter: 0.18

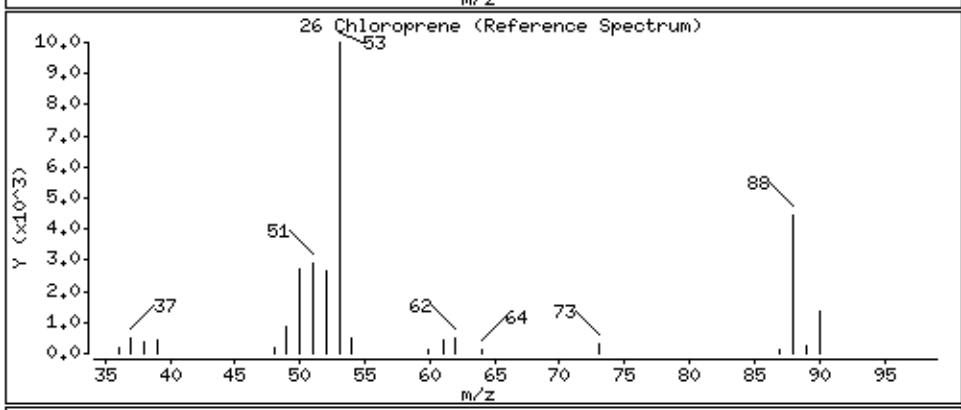
26 Chloroprene

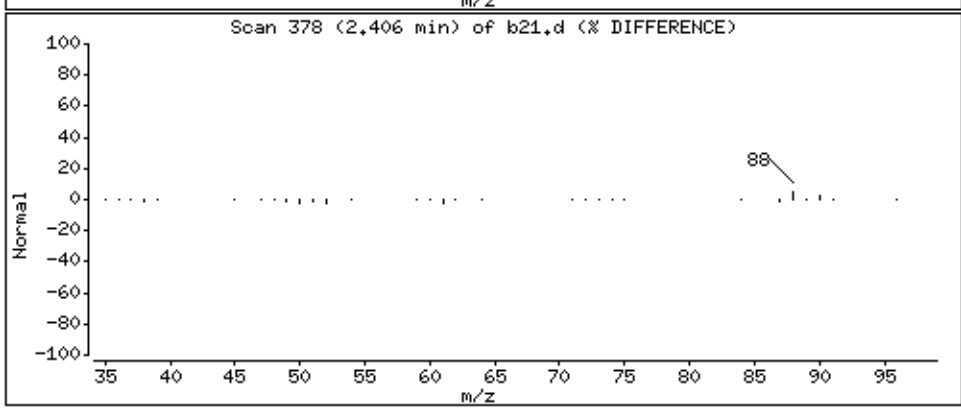
Concentration: 41.4 ppb

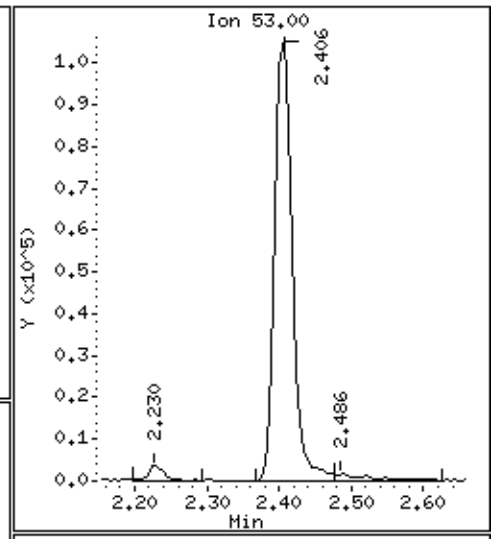
Review Code:

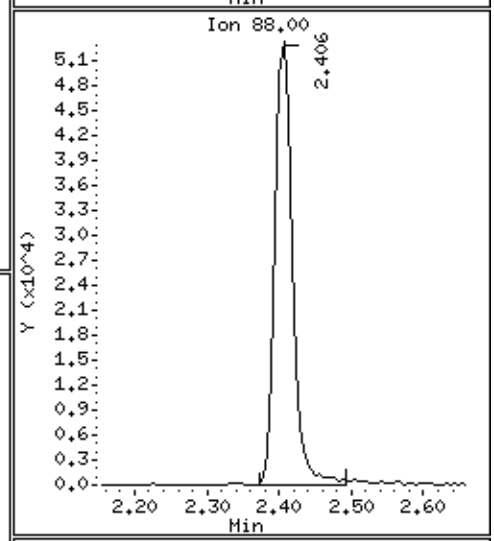


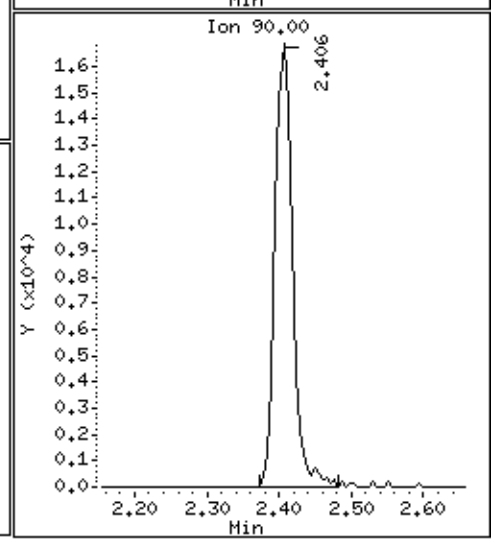












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

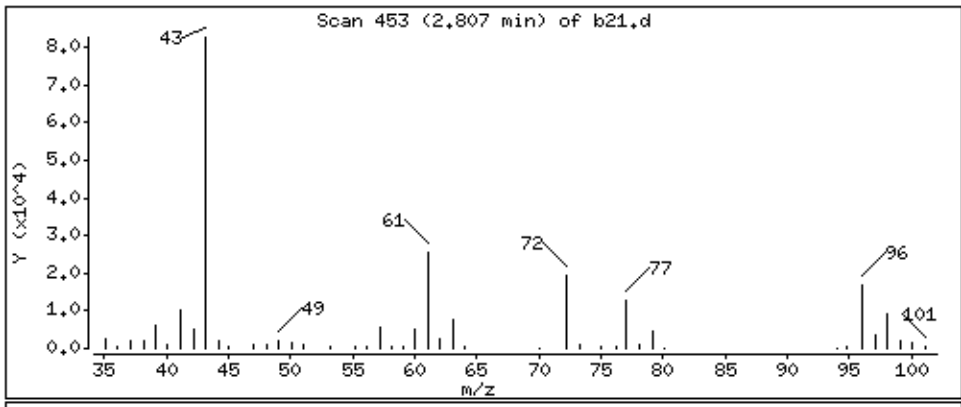
Column phase: DB-624

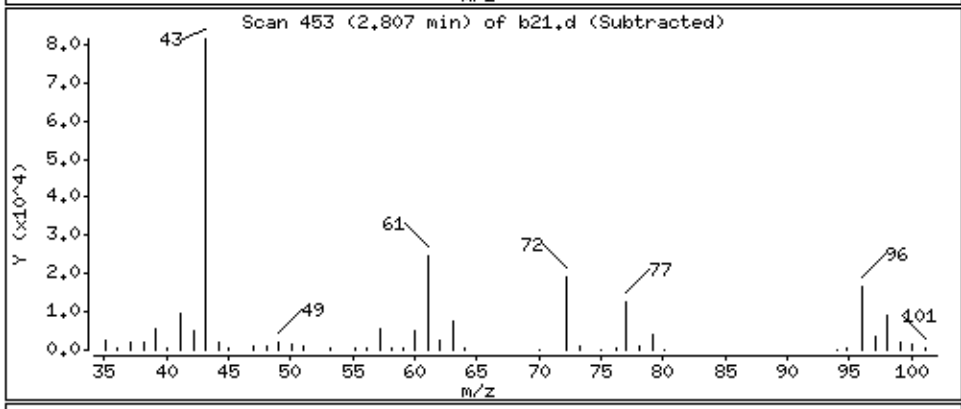
Column diameter: 0.18

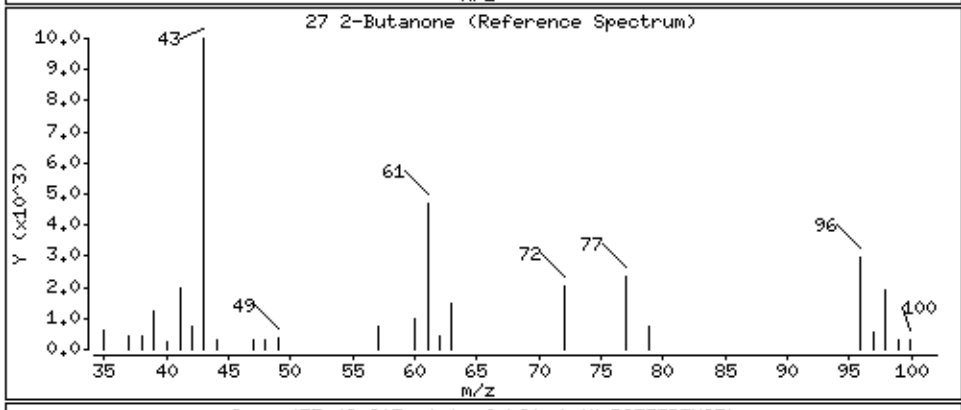
27 2-Butanone

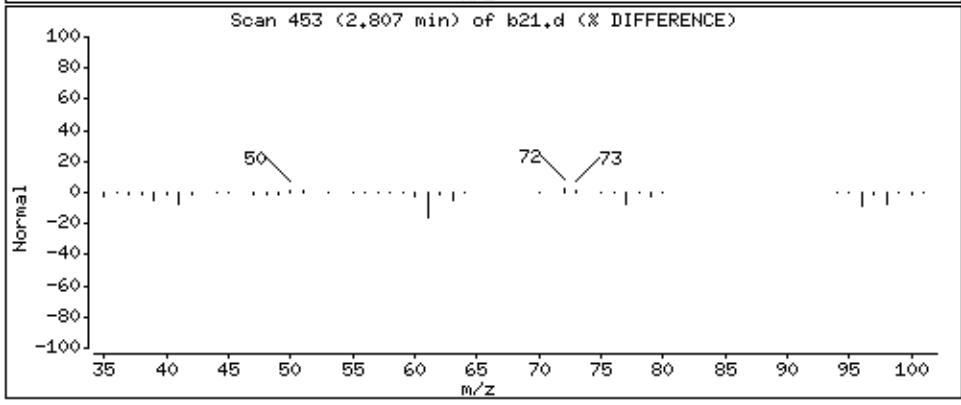
Concentration: 285 ppb

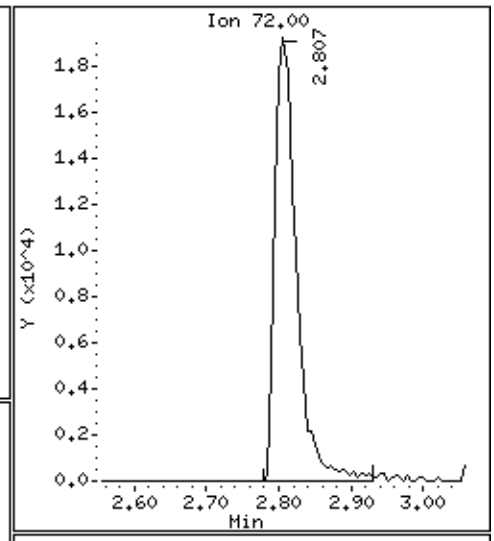
Review Code:

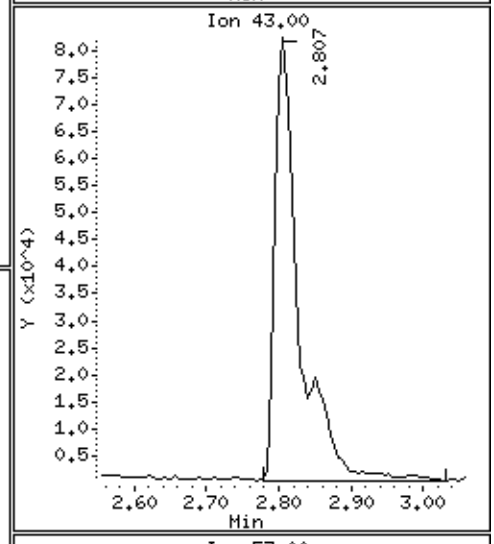


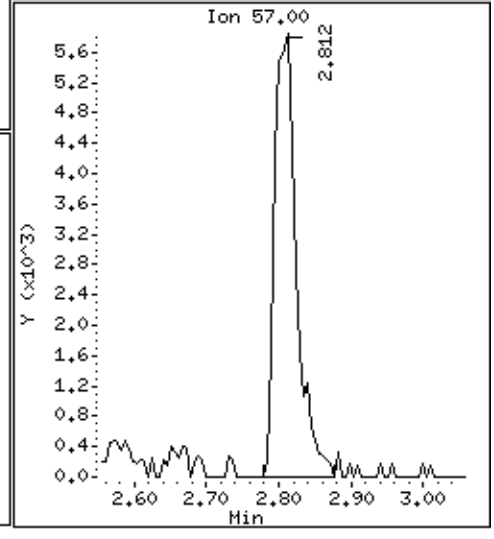












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

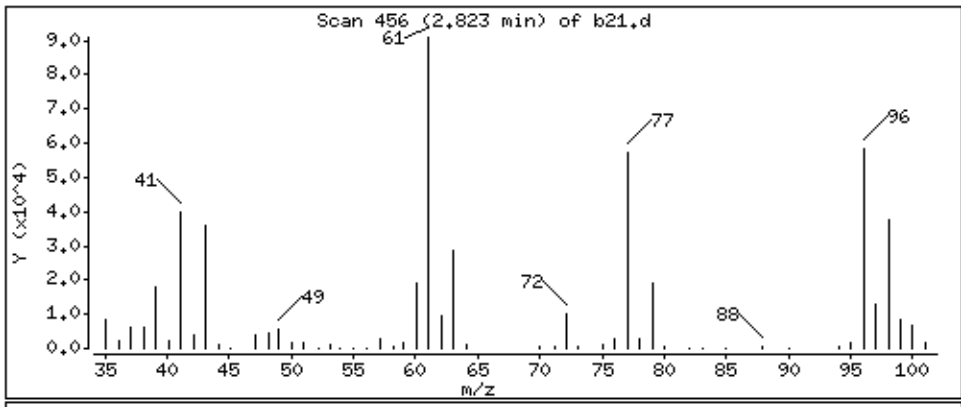
Column phase: DB-624

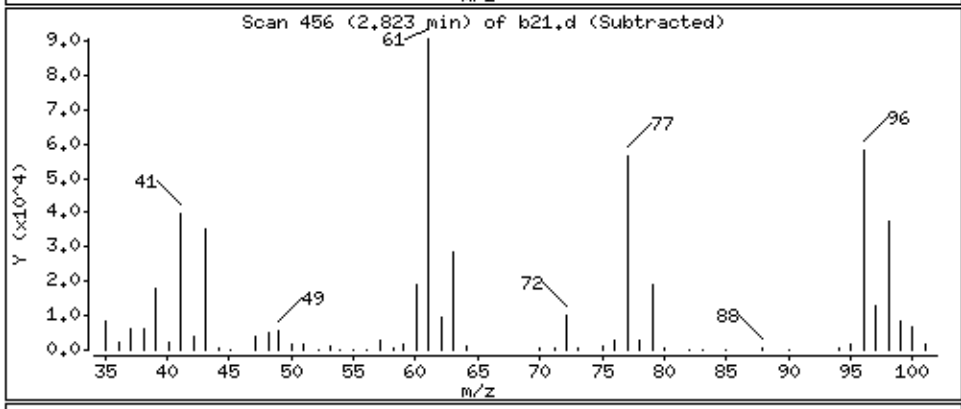
Column diameter: 0.18

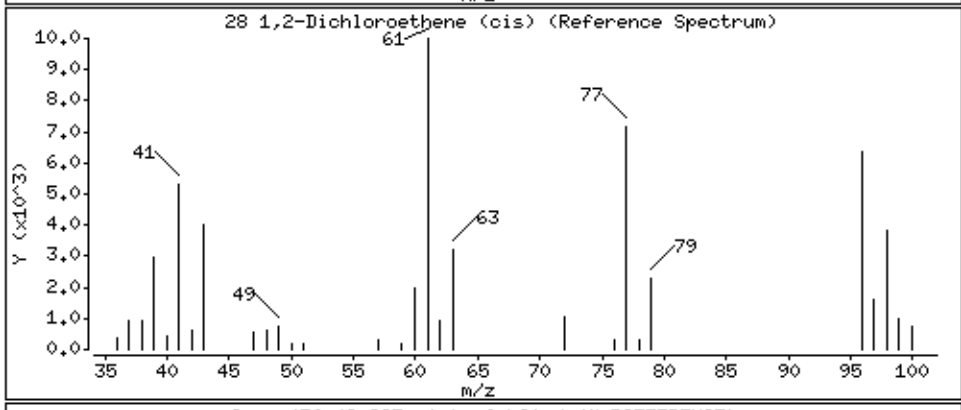
28 1,2-Dichloroethene (cis)

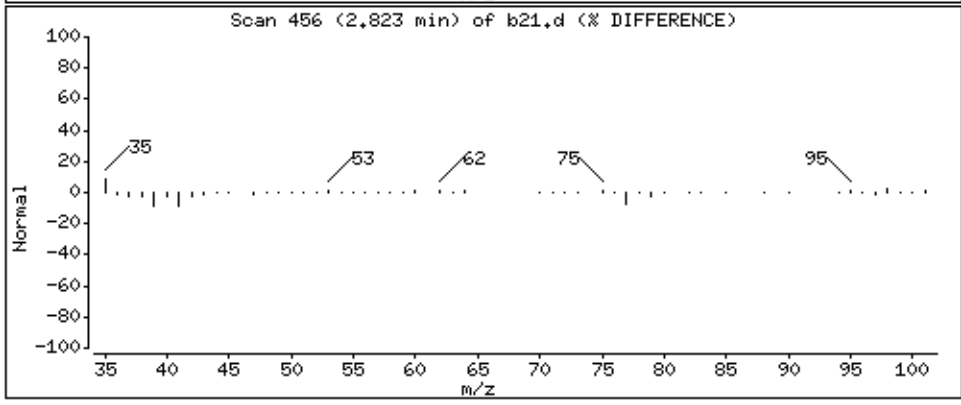
Concentration: 48.1 ppb

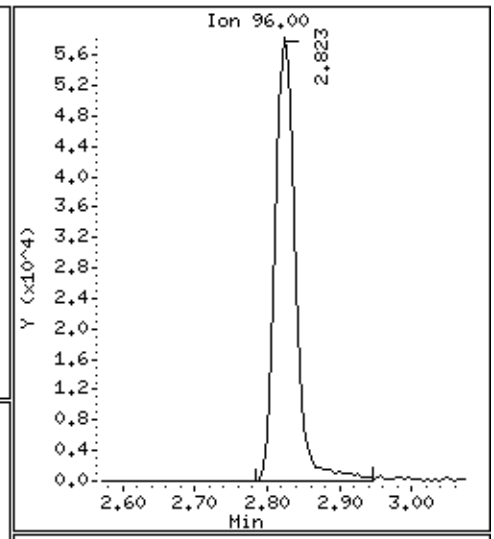
Review Code:

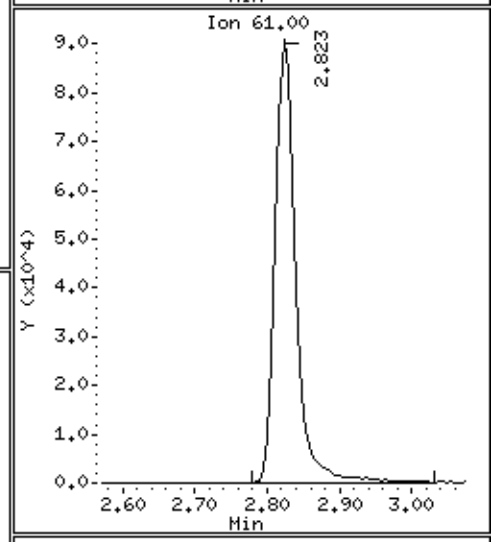


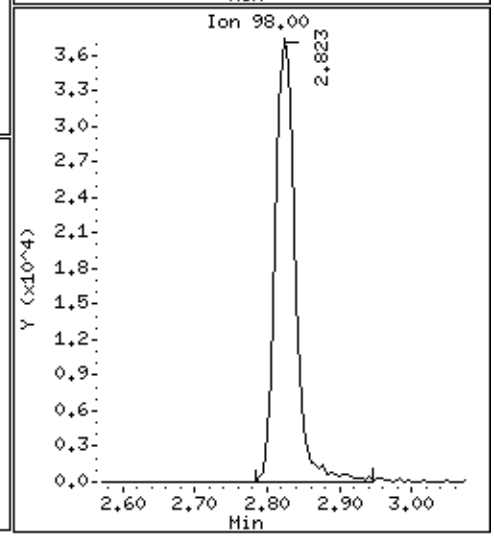












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

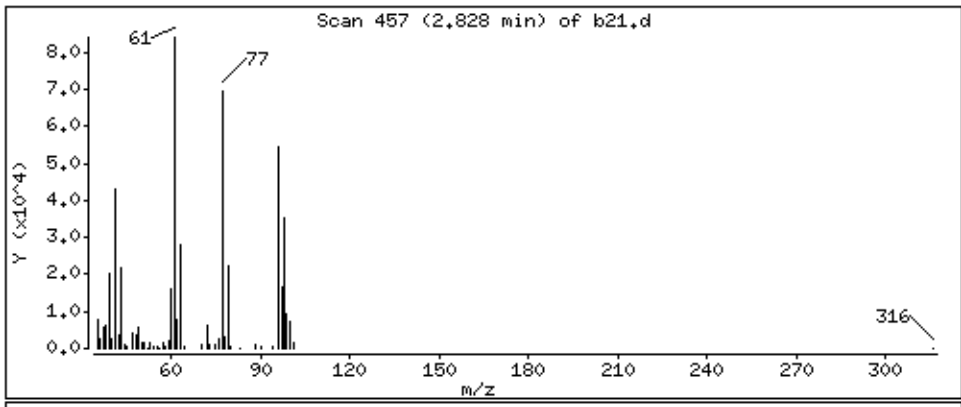
Column phase: DB-624

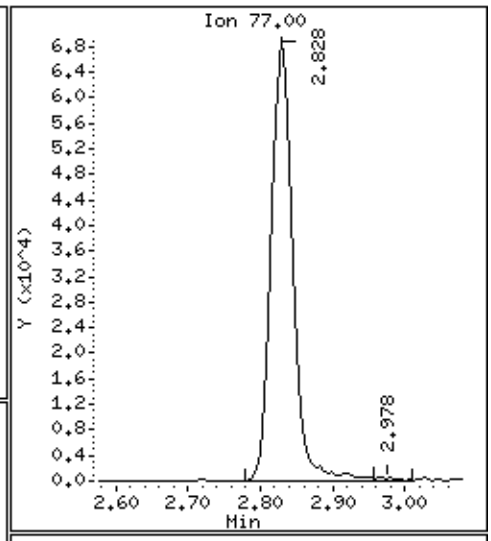
Column diameter: 0.18

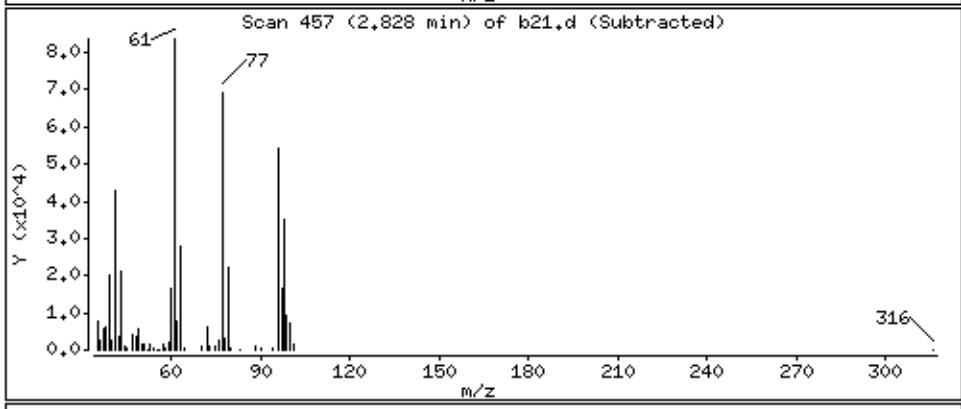
29 2,2-Dichloropropane

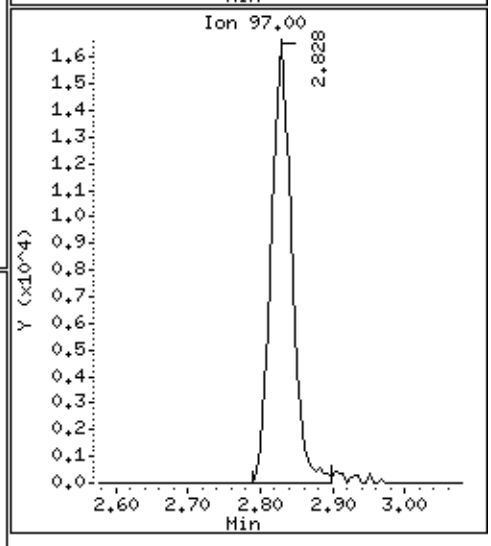
Concentration: 43.9 ppb

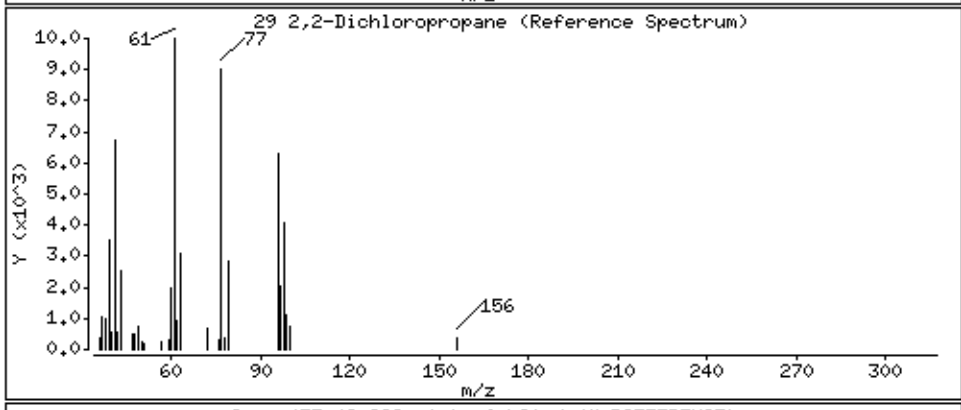
Review Code:

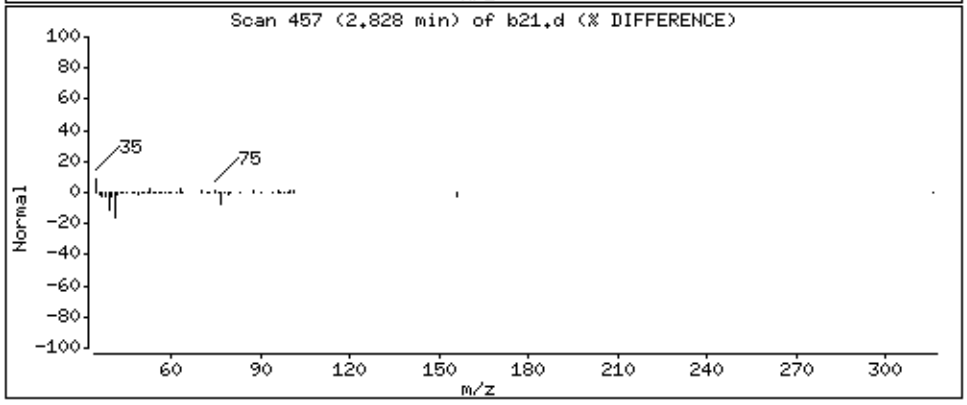












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

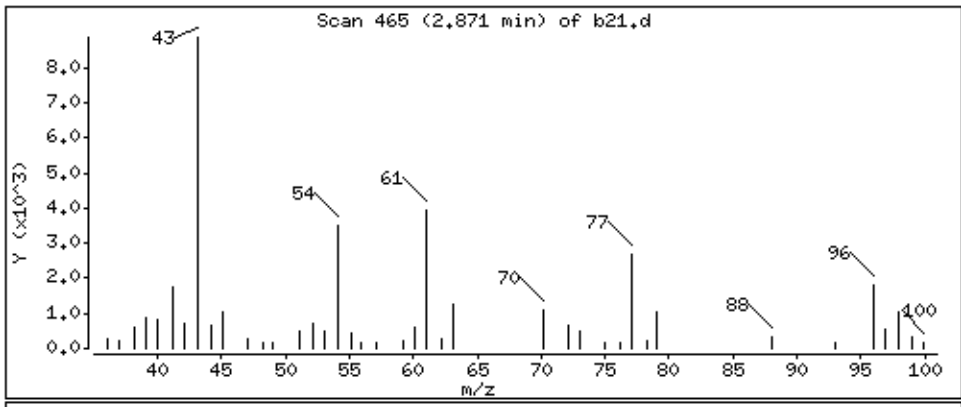
Column phase: DB-624

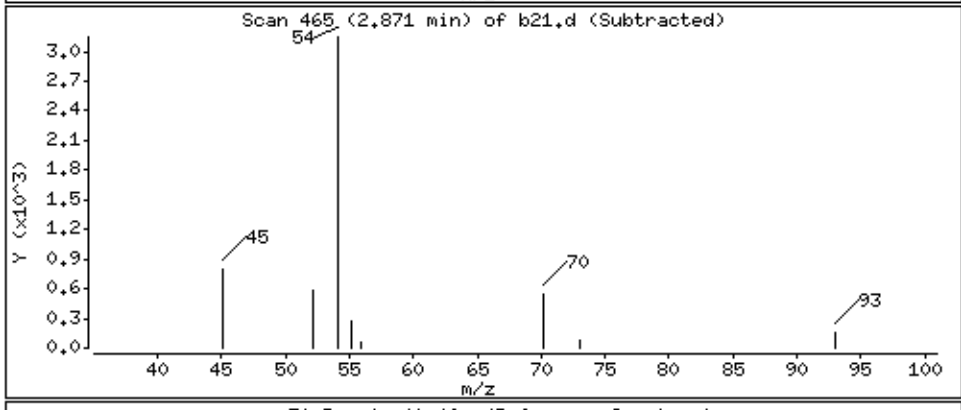
Column diameter: 0.18

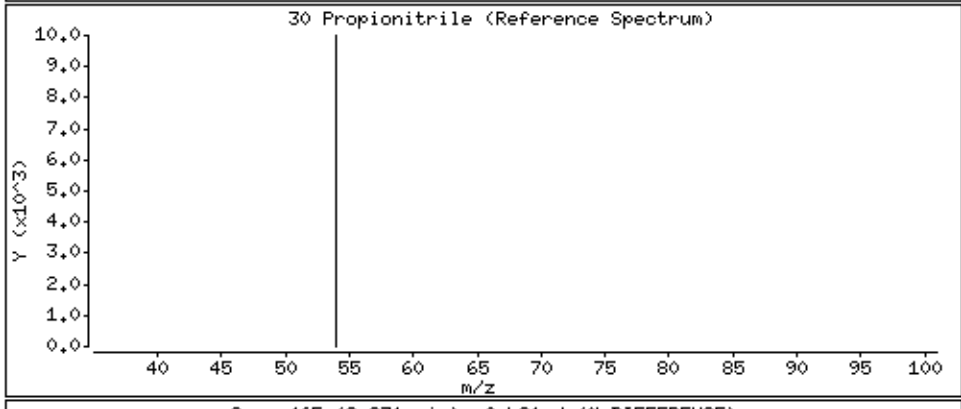
30 Propionitrile

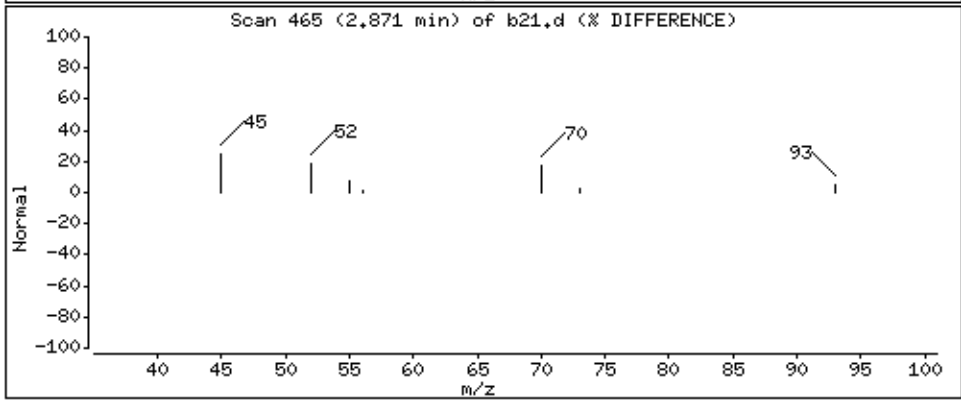
Concentration: 43.7 ppb

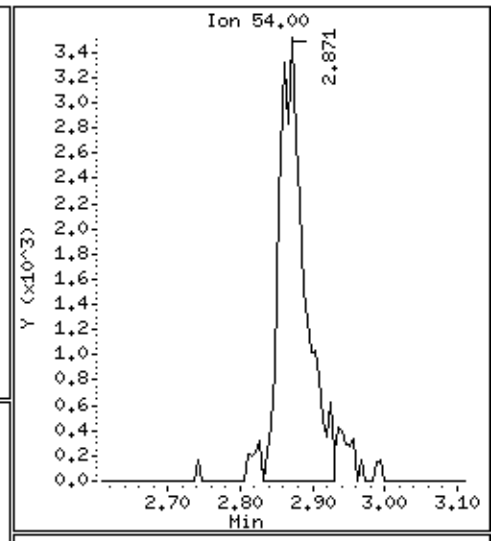
Review Code:

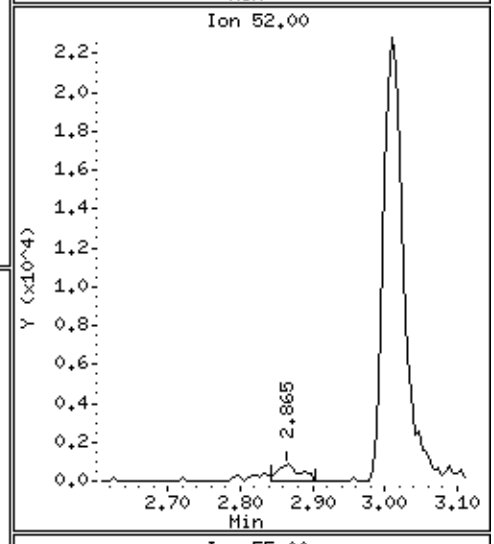


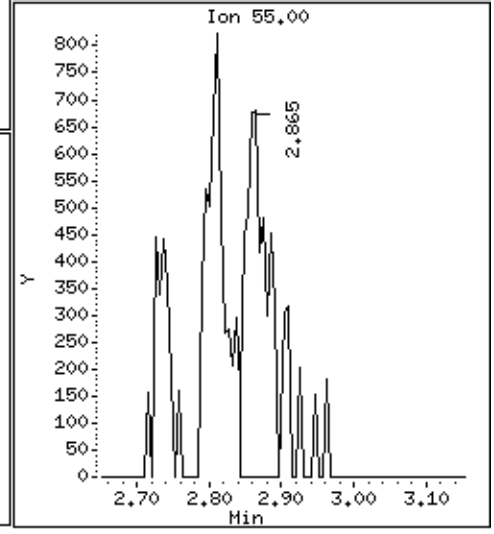












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

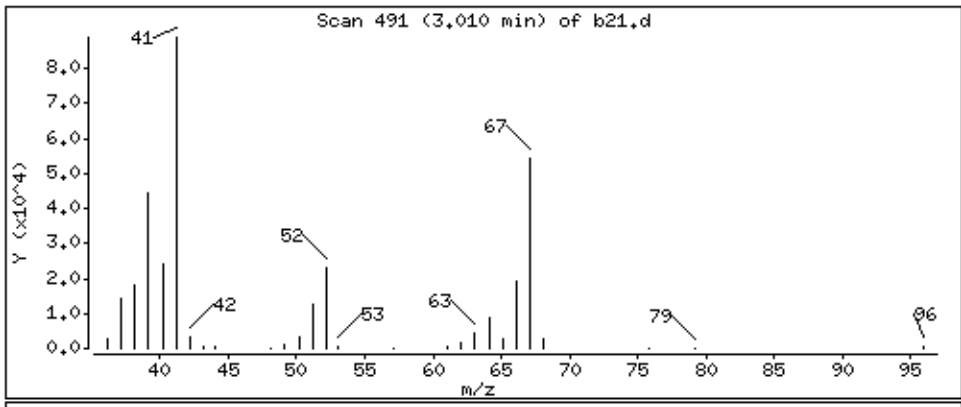
Column phase: DB-624

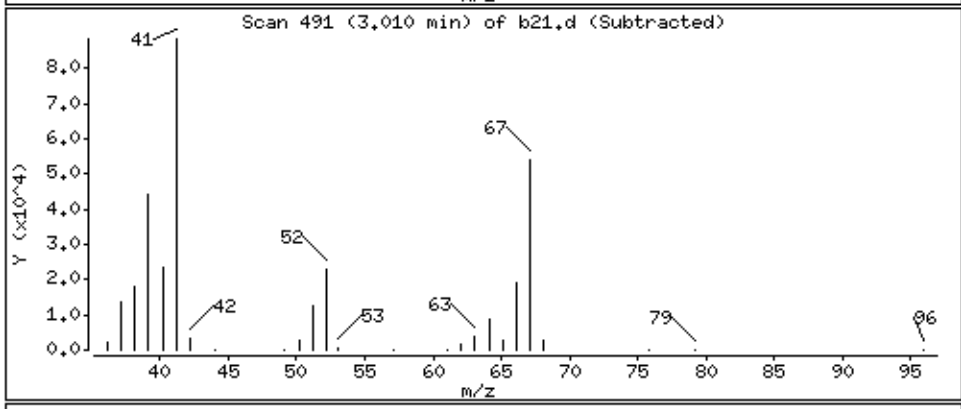
Column diameter: 0.18

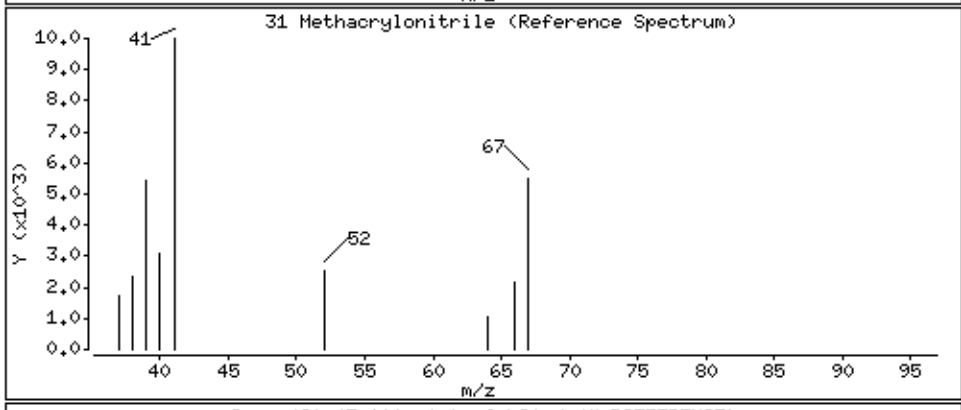
31 Methacrylonitrile

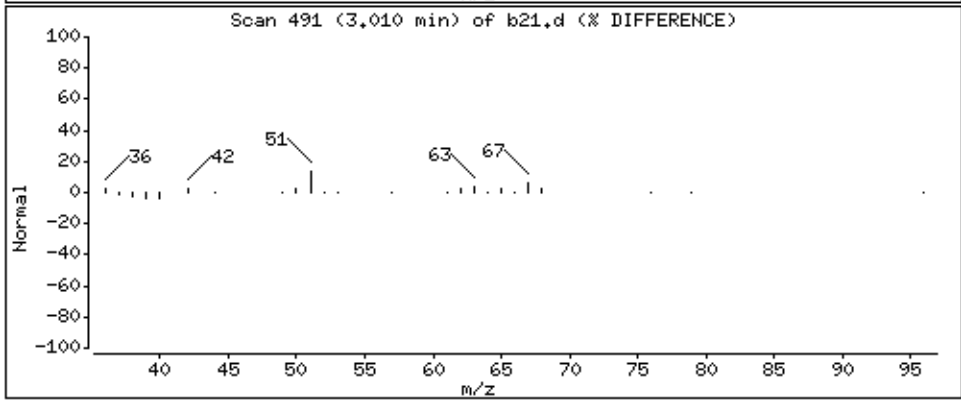
Concentration: 212 ppb

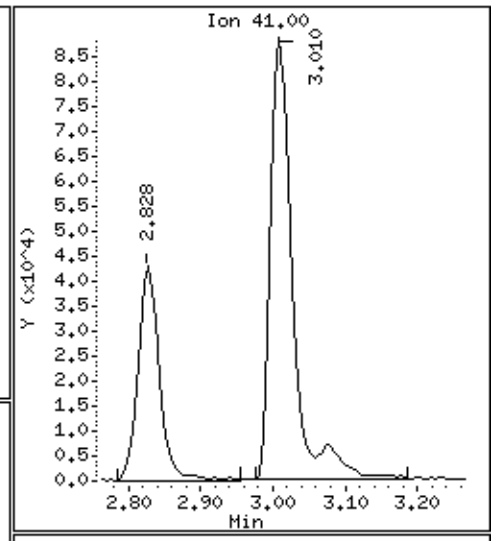
Review Code:

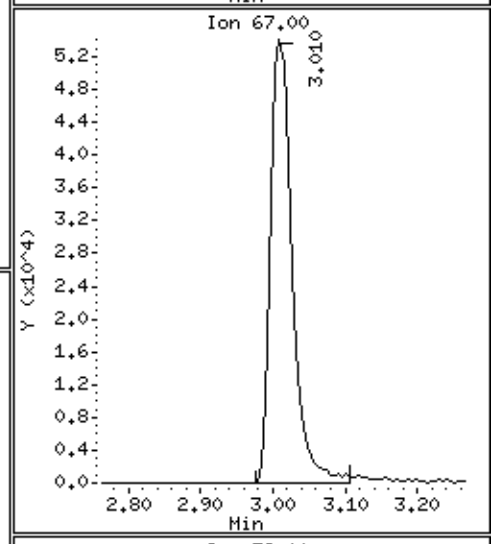


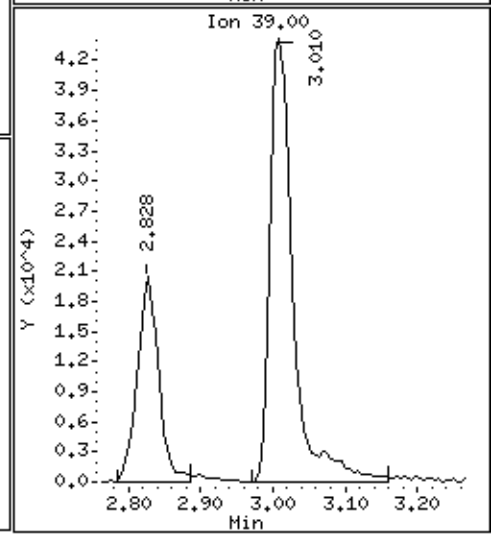












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

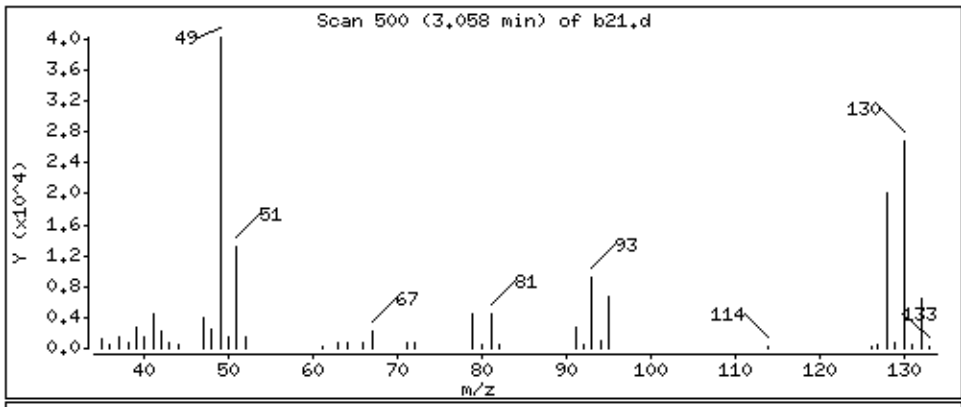
Column phase: DB-624

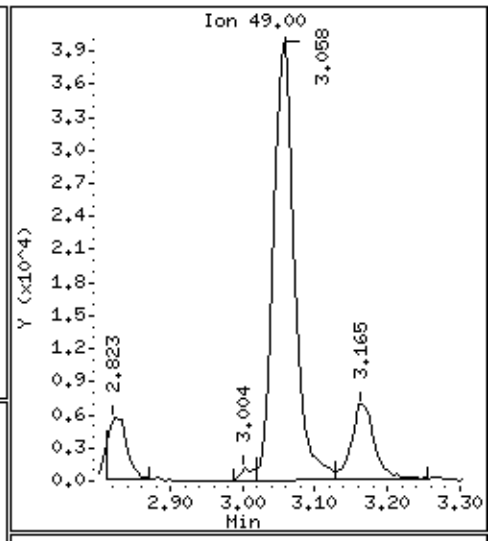
Column diameter: 0.18

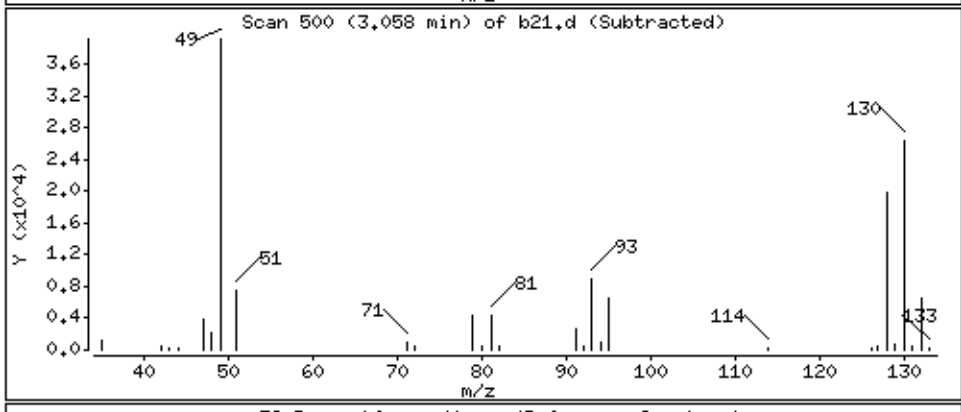
32 Bromochloromethane

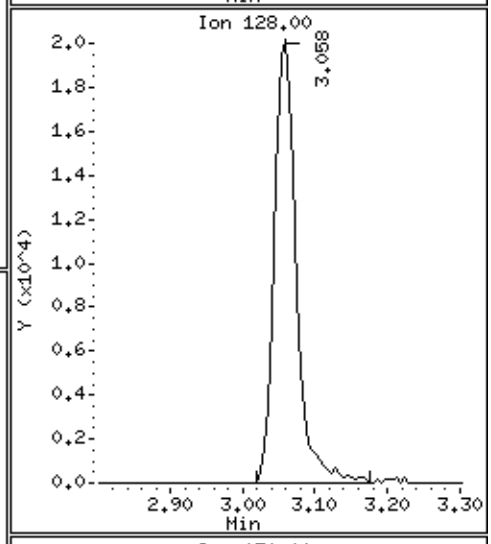
Concentration: 43.9 ppb

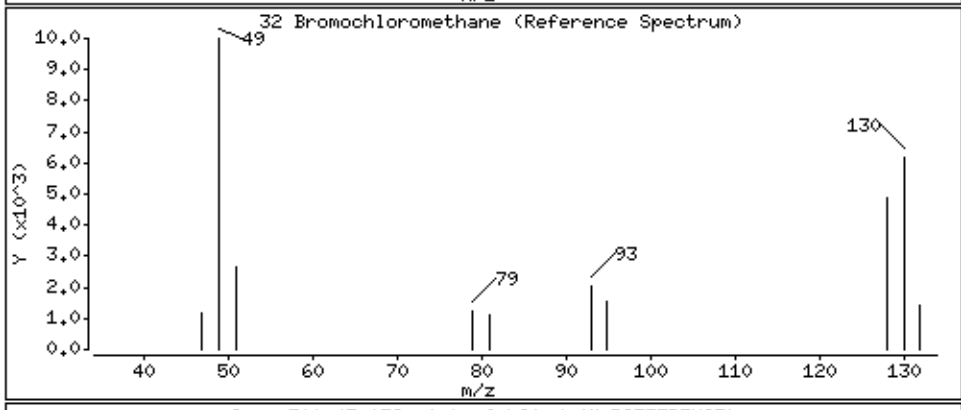
Review Code:

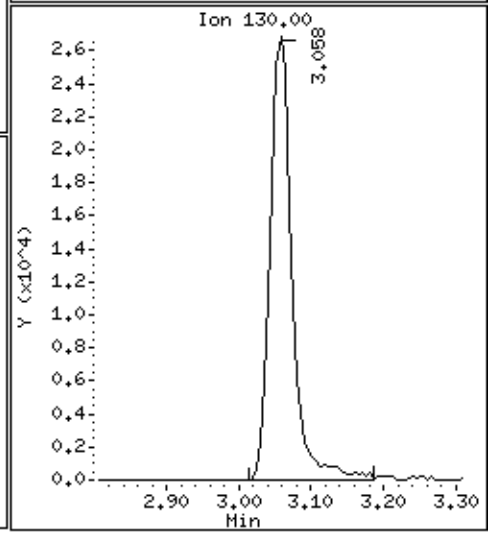


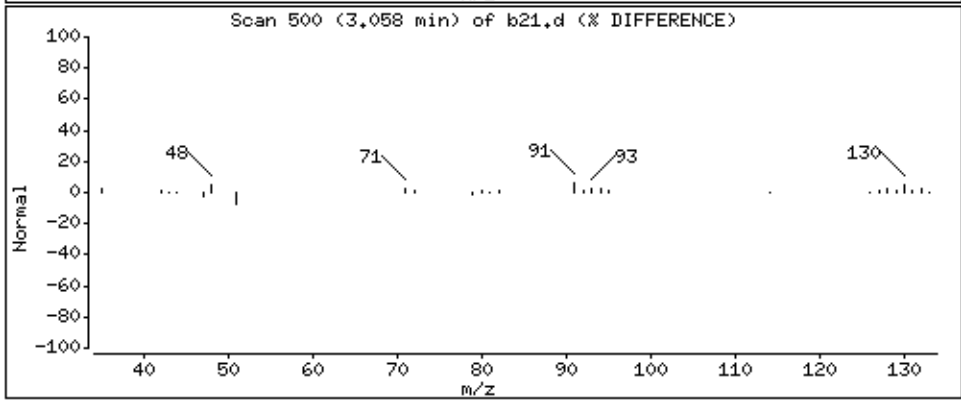












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

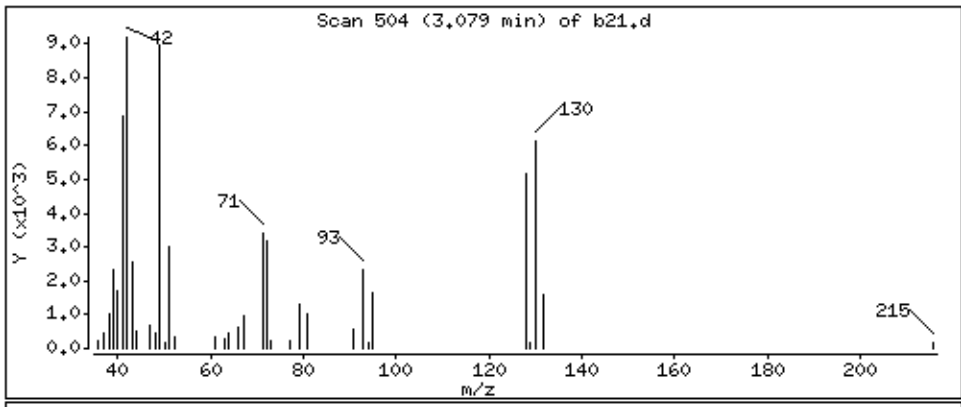
Column phase: DB-624

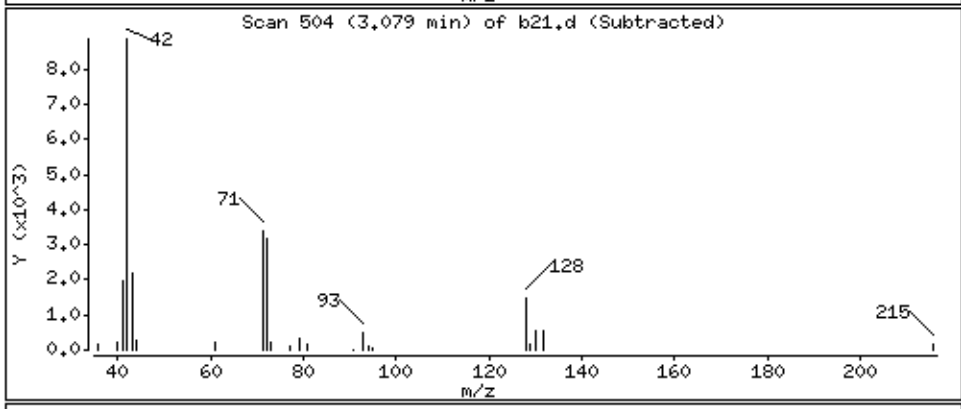
Column diameter: 0.18

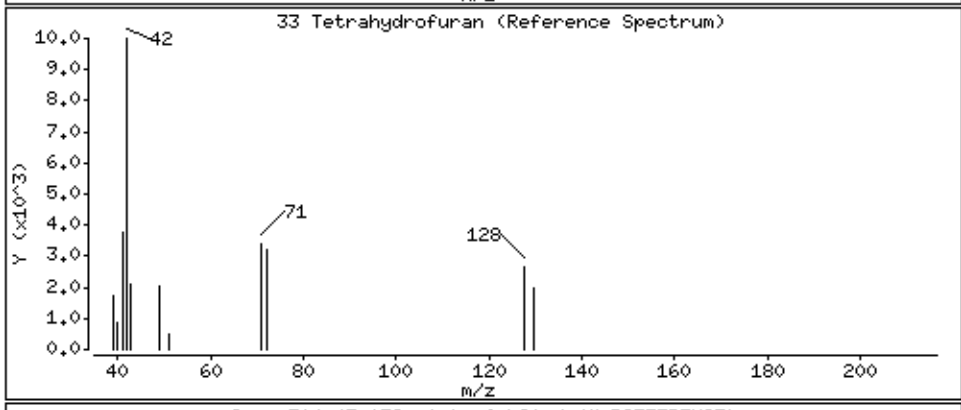
33 Tetrahydrofuran

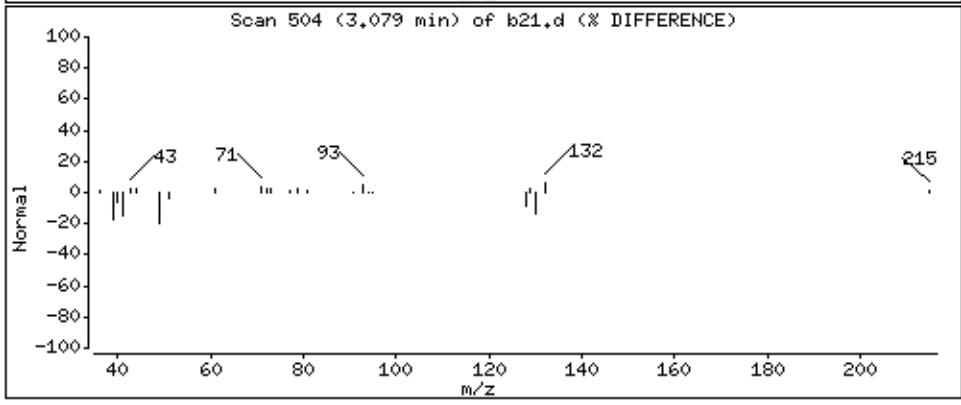
Concentration: 48.2 ppb

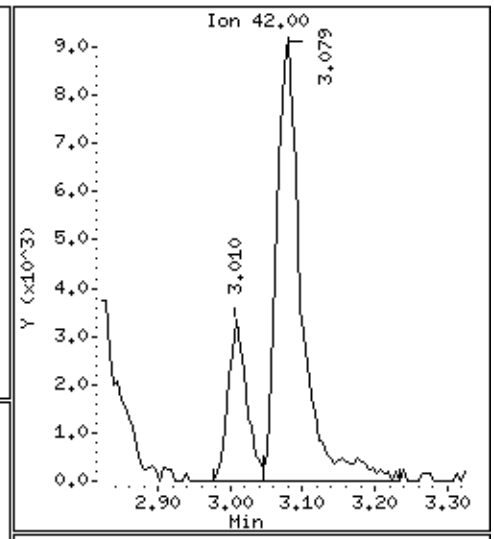
Review Code:

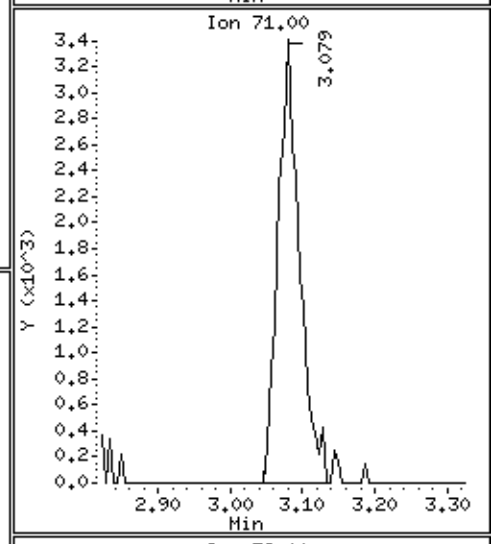


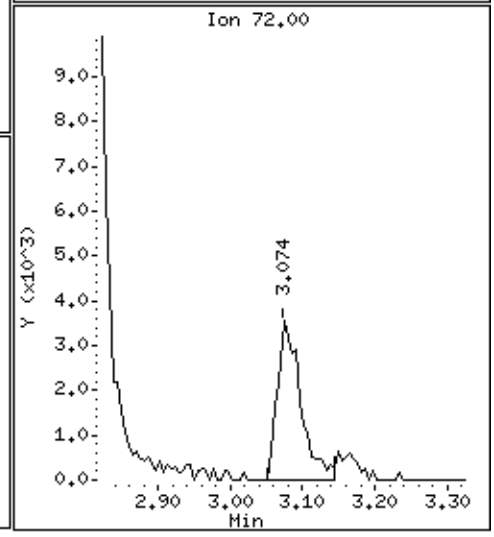












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

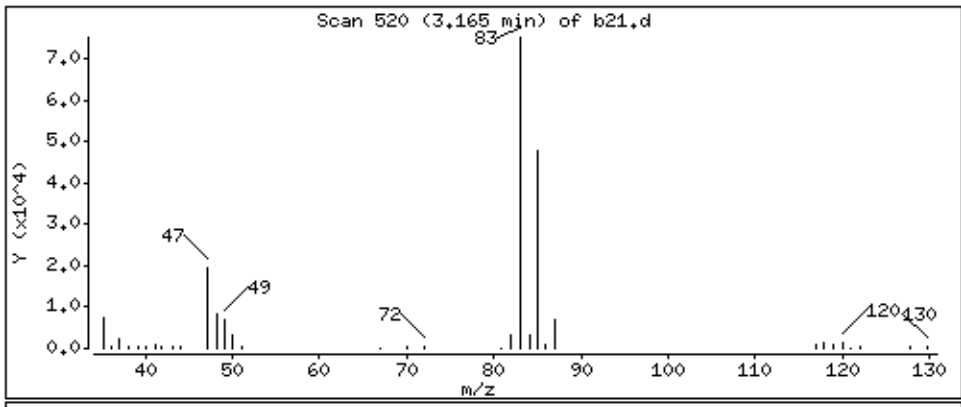
Column phase: DB-624

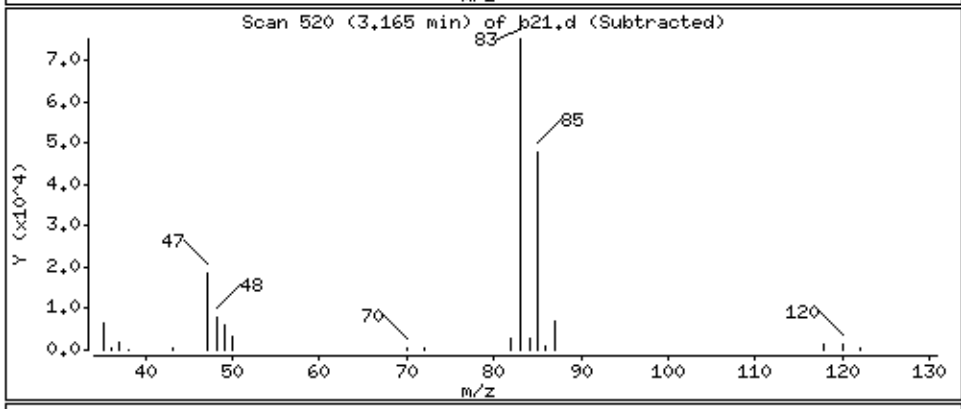
Column diameter: 0.18

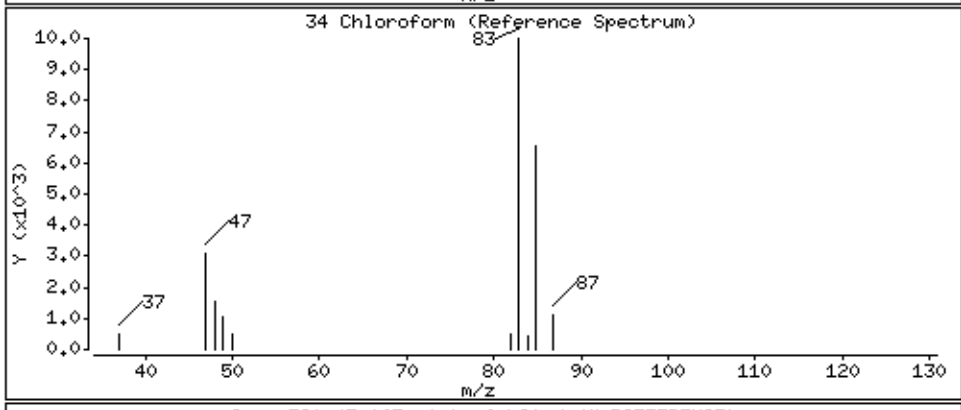
34 Chloroform

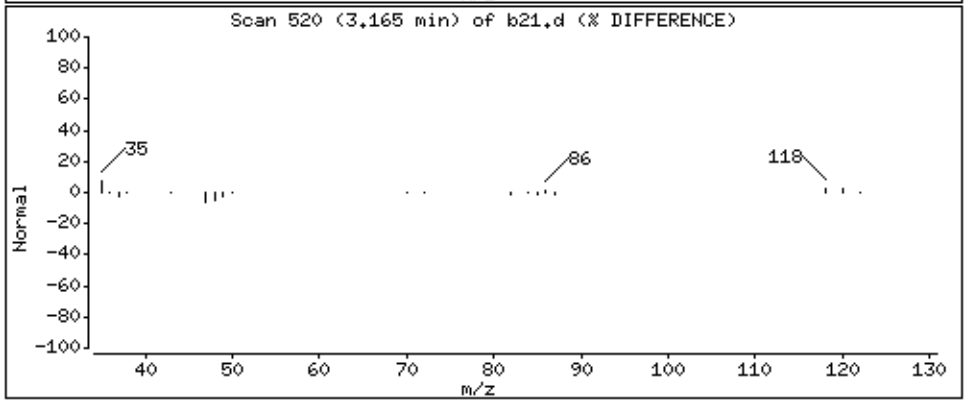
Concentration: 41.9 ppb

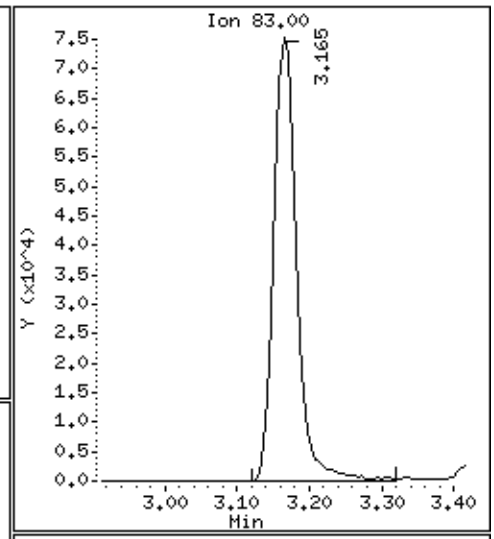
Review Code:

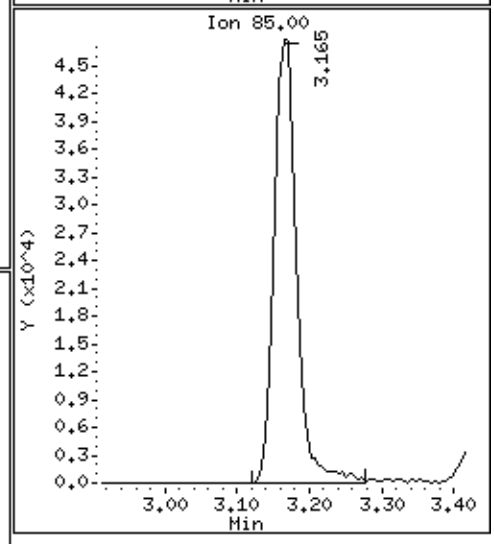












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

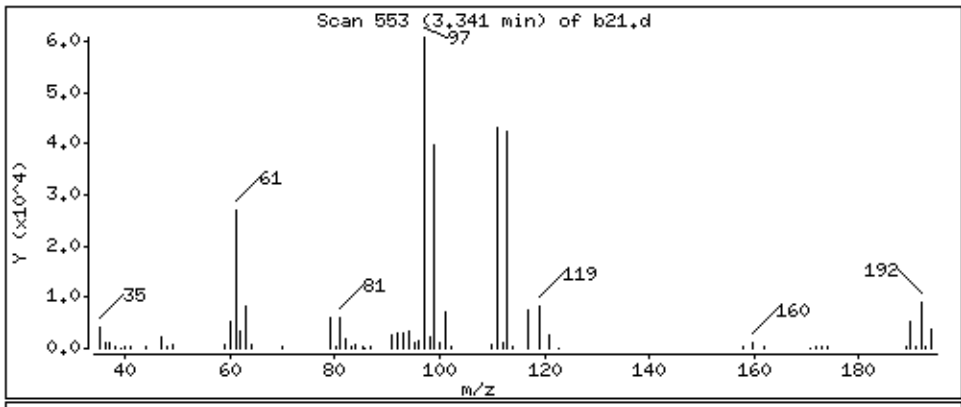
Column phase: DB-624

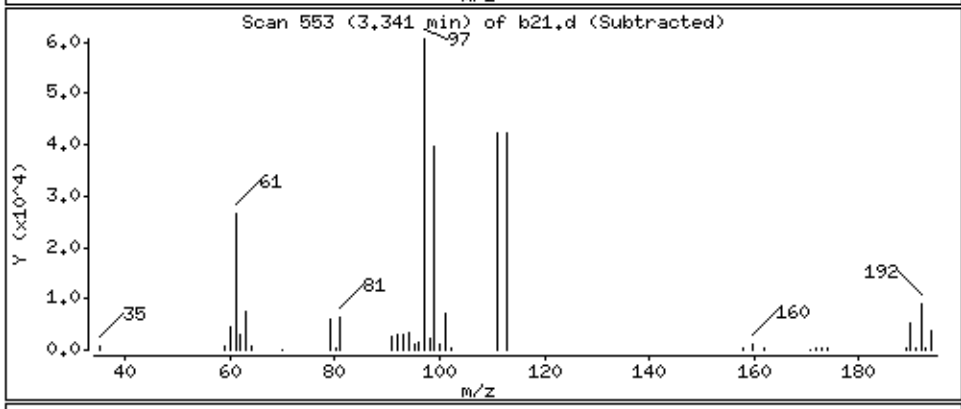
Column diameter: 0.18

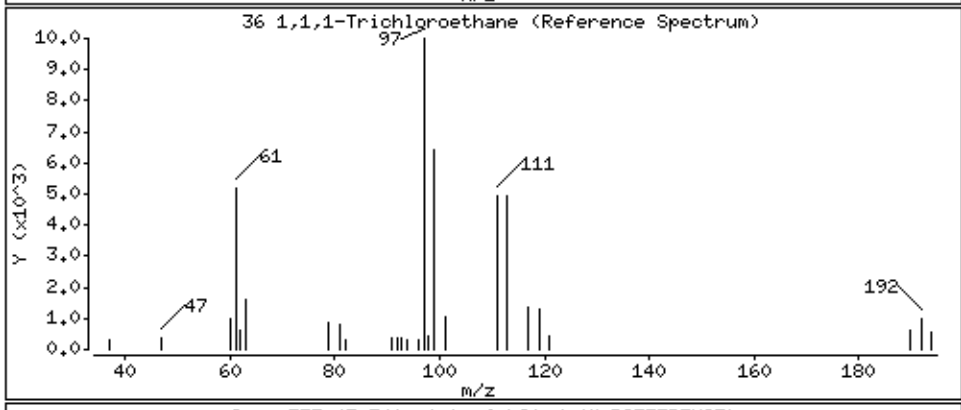
36 1,1,1-Trichloroethane

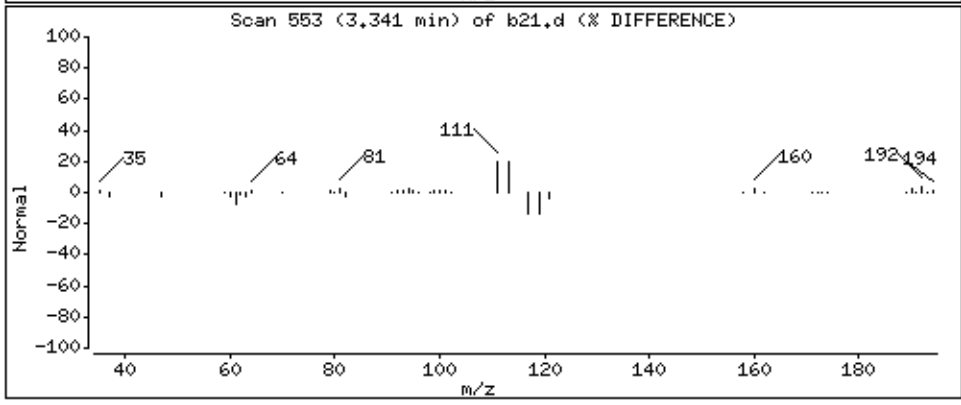
Concentration: 42.0 ppb

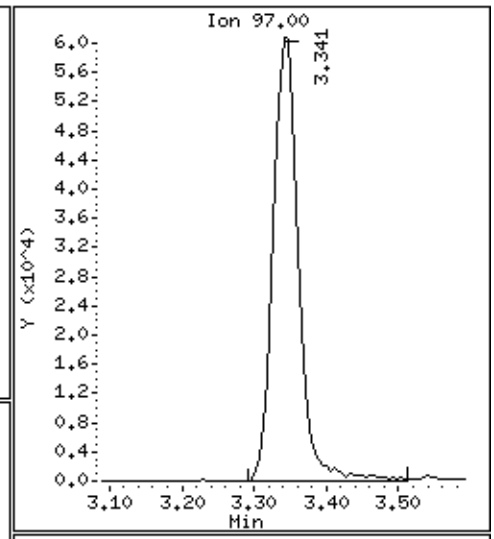
Review Code:

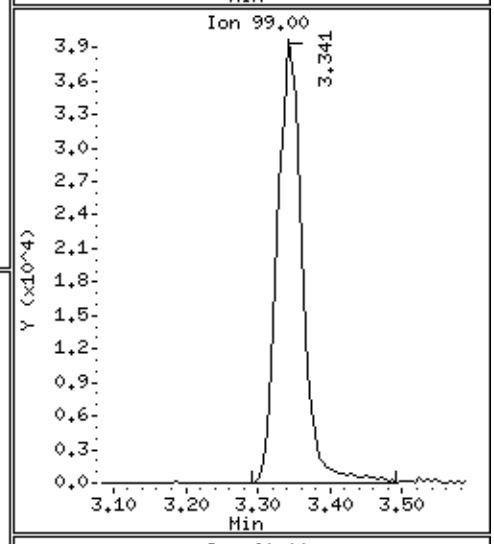


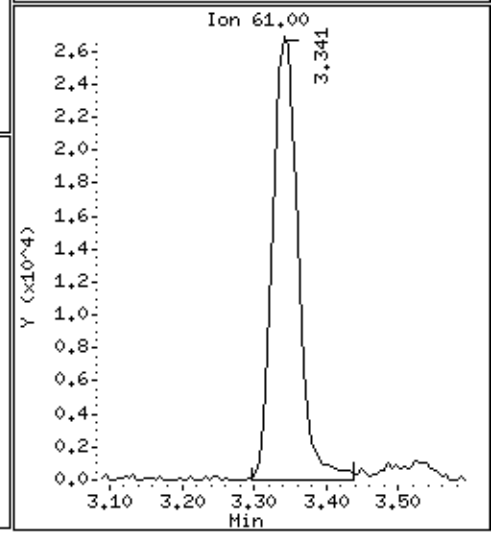












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

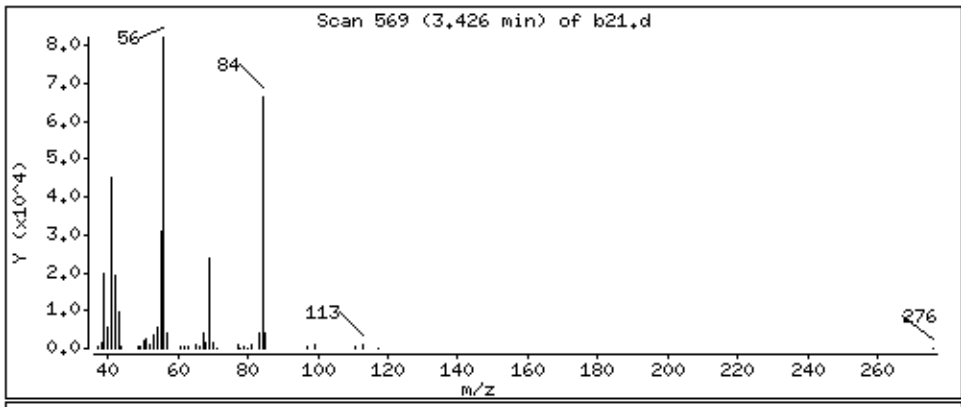
Column phase: DB-624

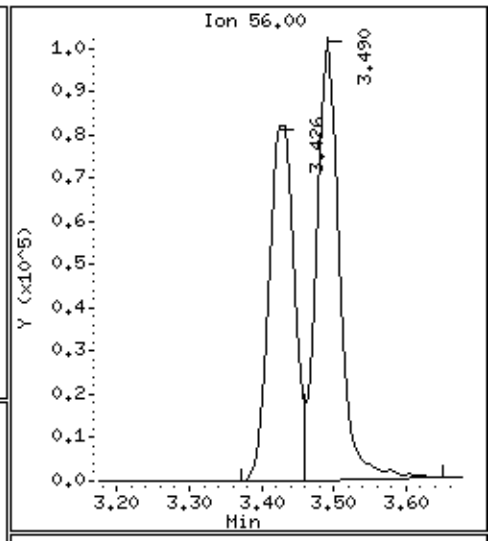
Column diameter: 0.18

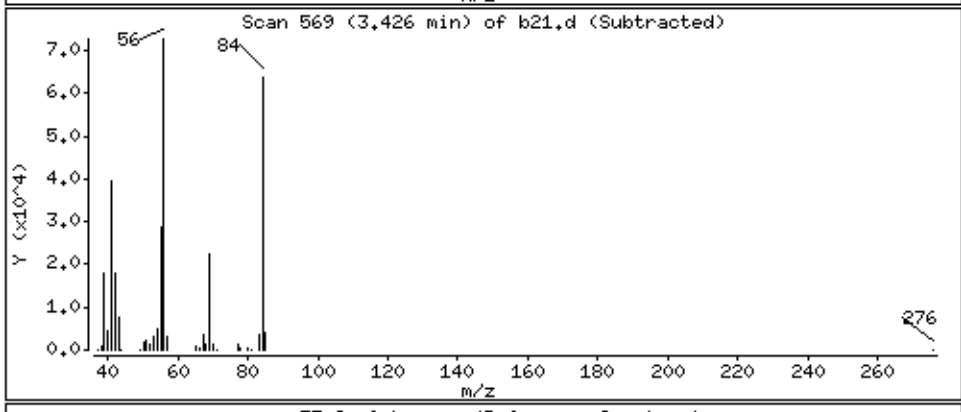
37 Cyclohexane

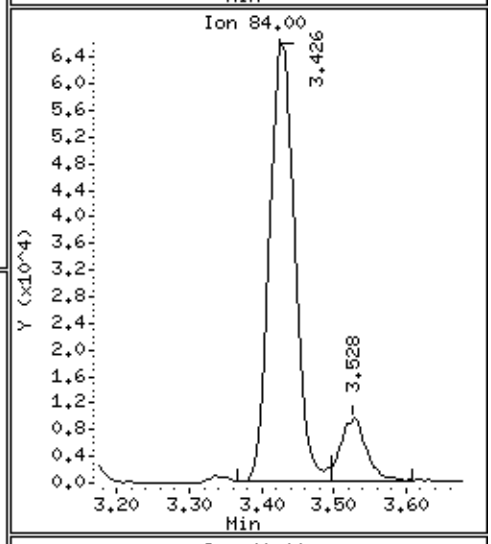
Concentration: 45.6 ppb

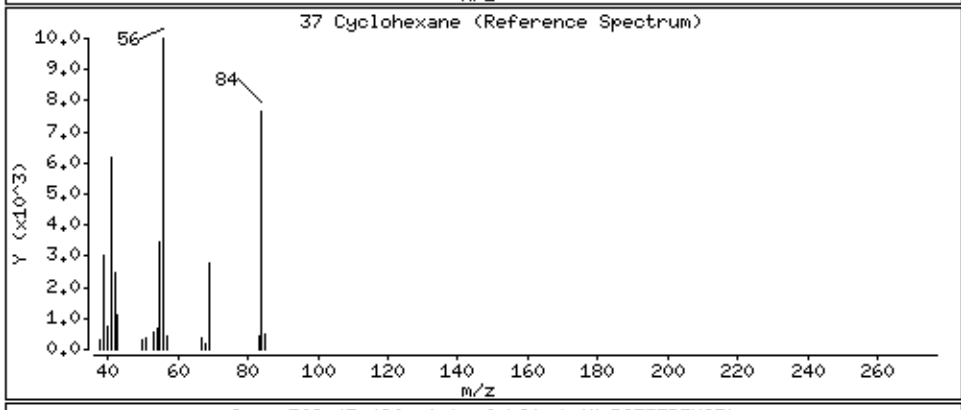
Review Code:

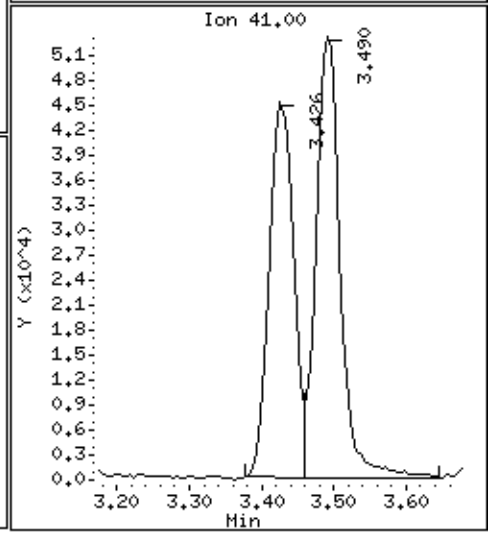


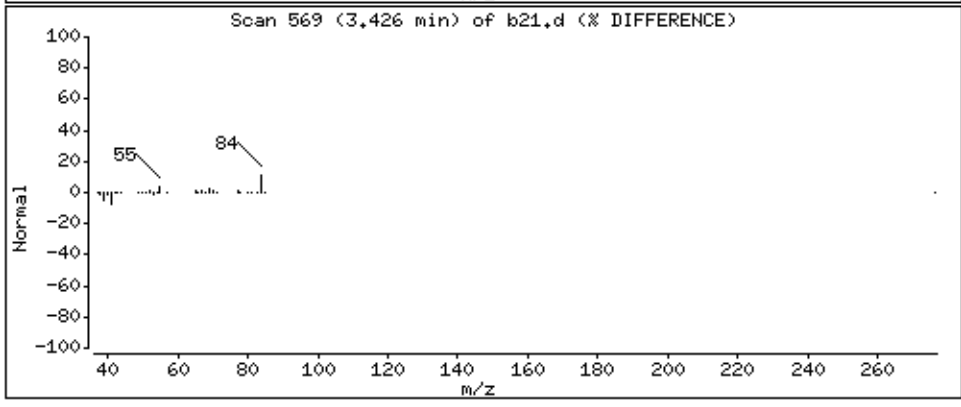












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

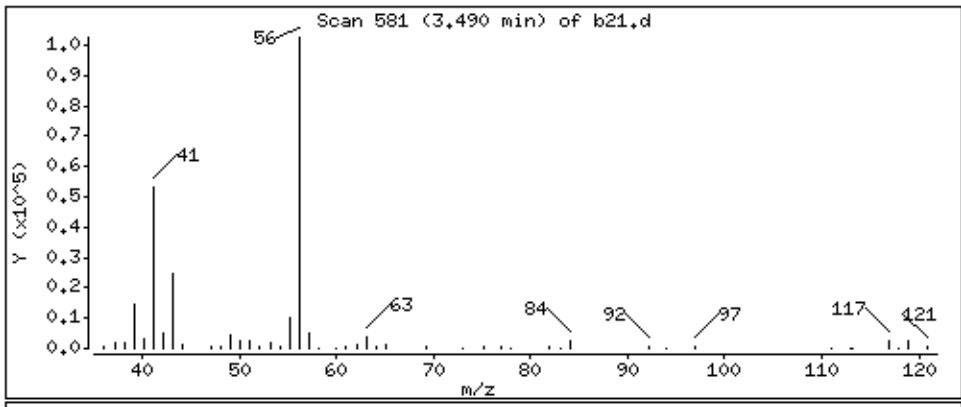
Column phase: DB-624

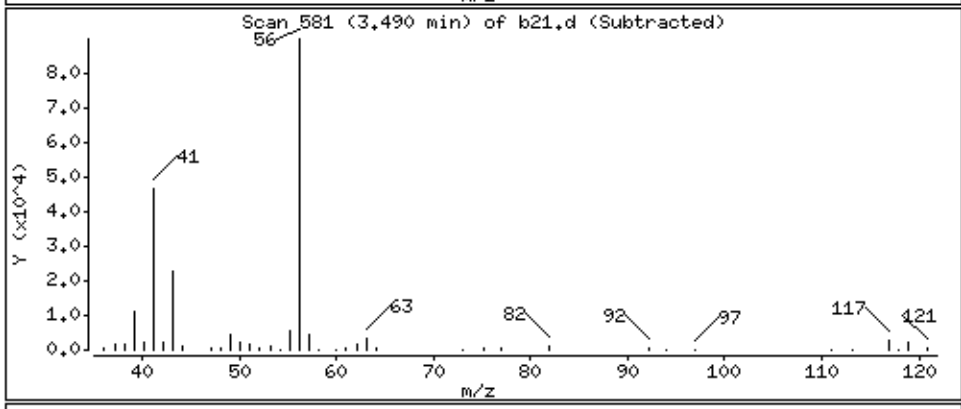
Column diameter: 0.18

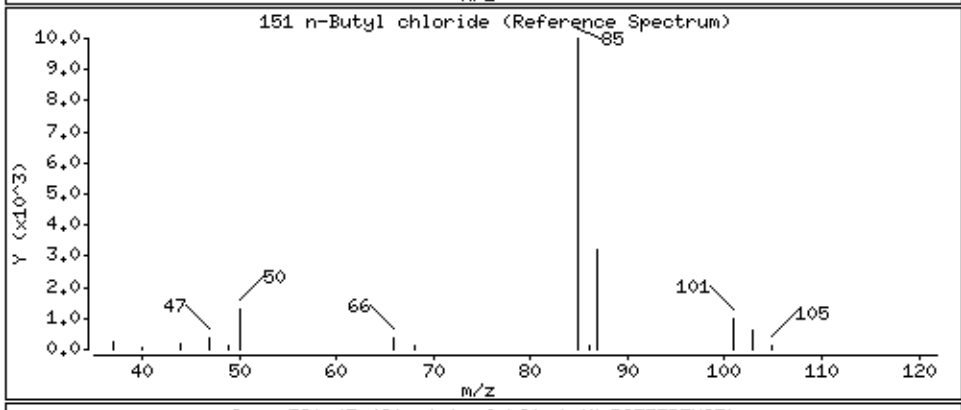
151 n-Butyl chloride

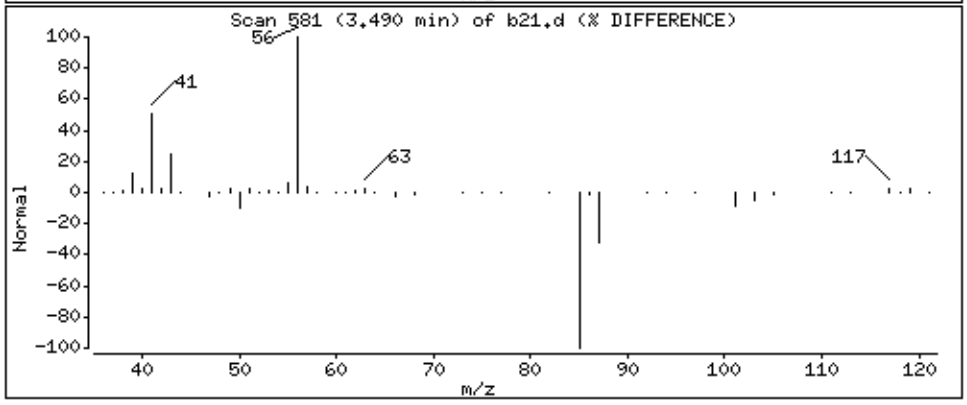
Concentration: 45.1 ppb

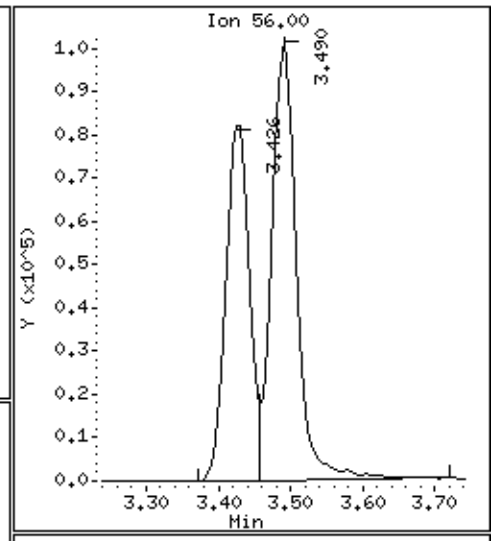
Review Code:

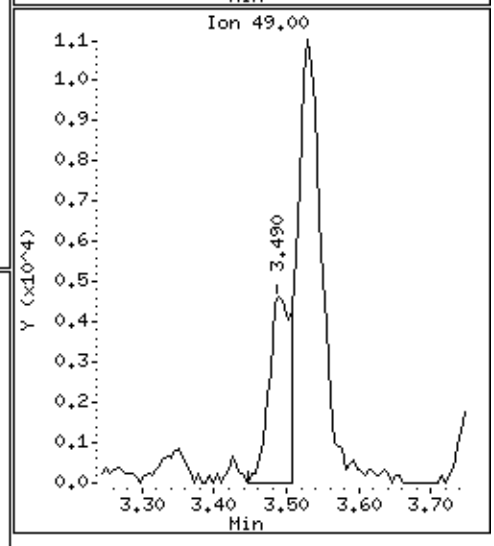












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

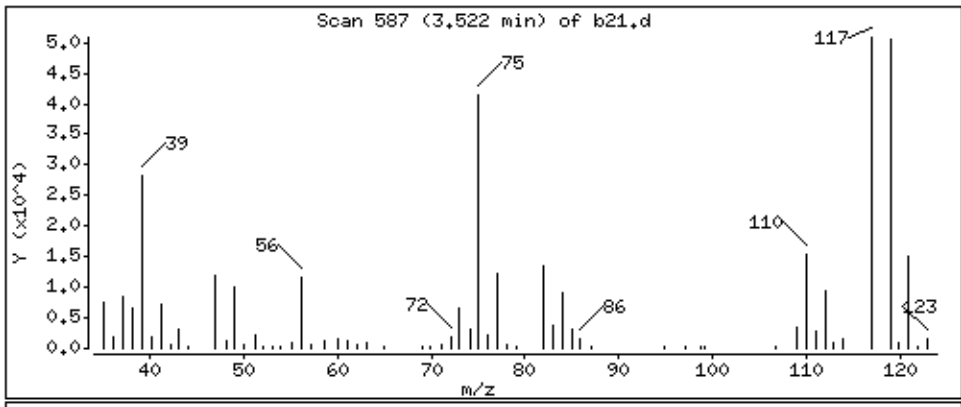
Column phase: DB-624

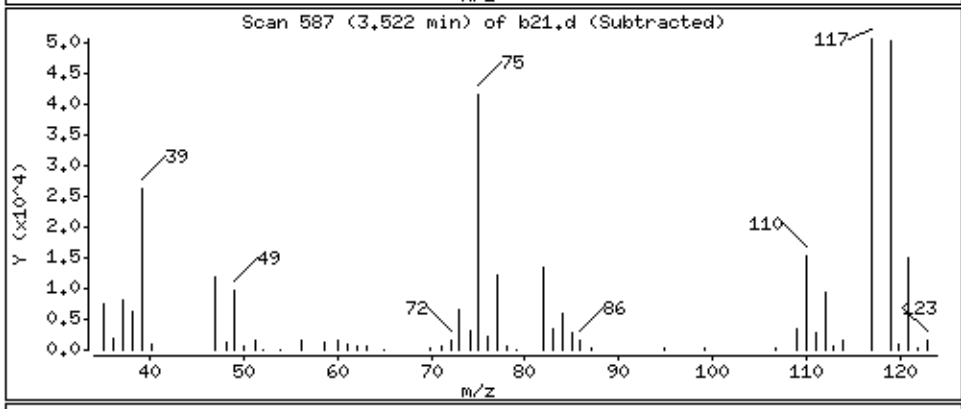
Column diameter: 0.18

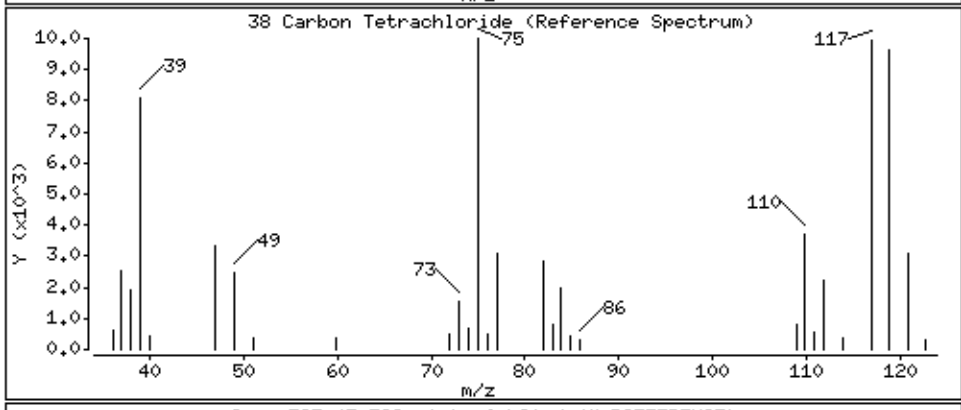
38 Carbon Tetrachloride

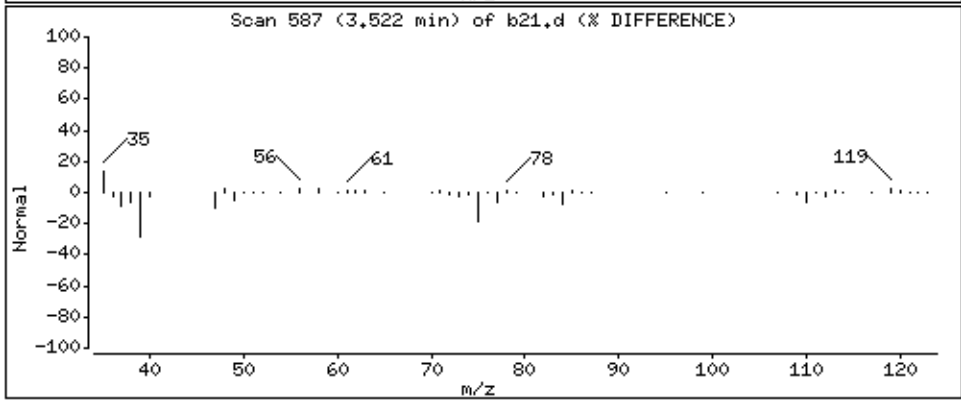
Concentration: 41.2 ppb

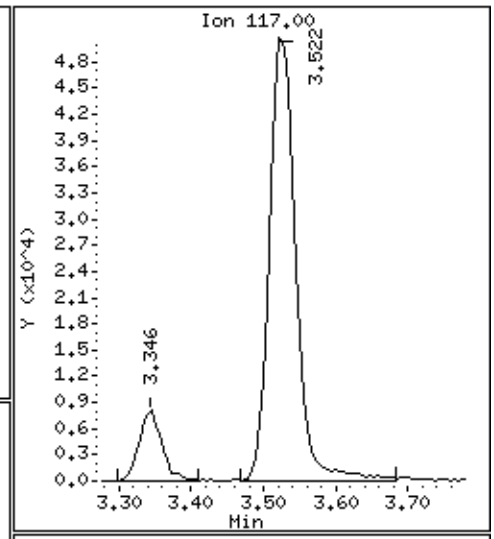
Review Code:

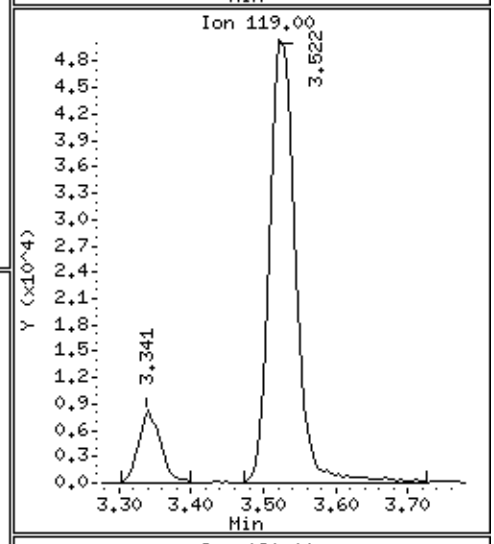


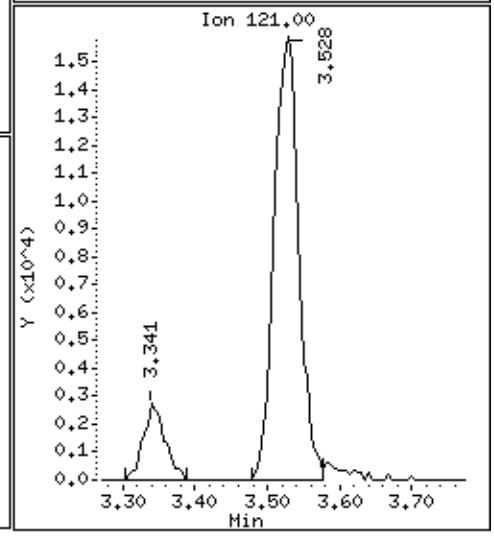












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

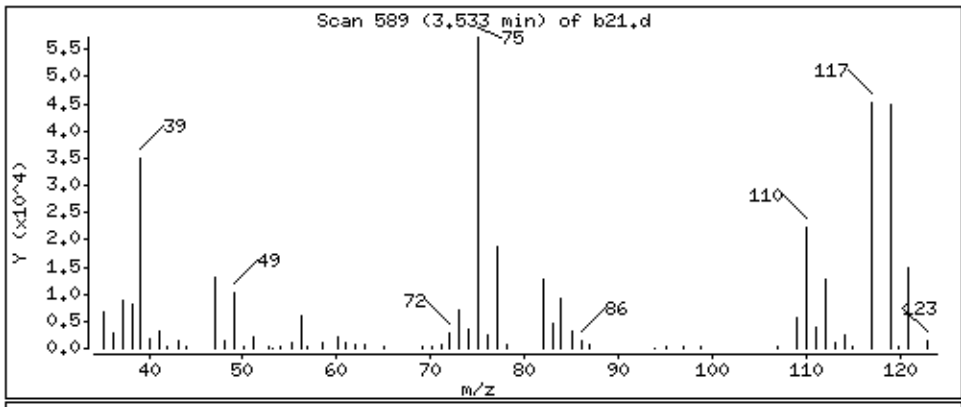
Column phase: DB-624

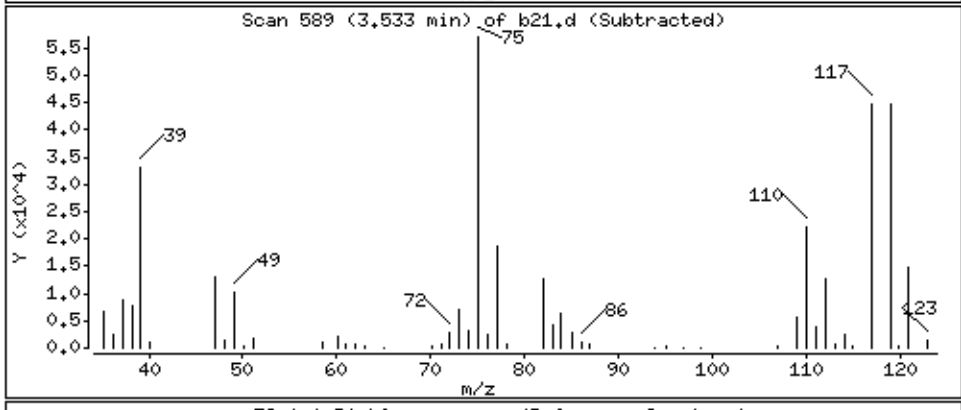
Column diameter: 0.18

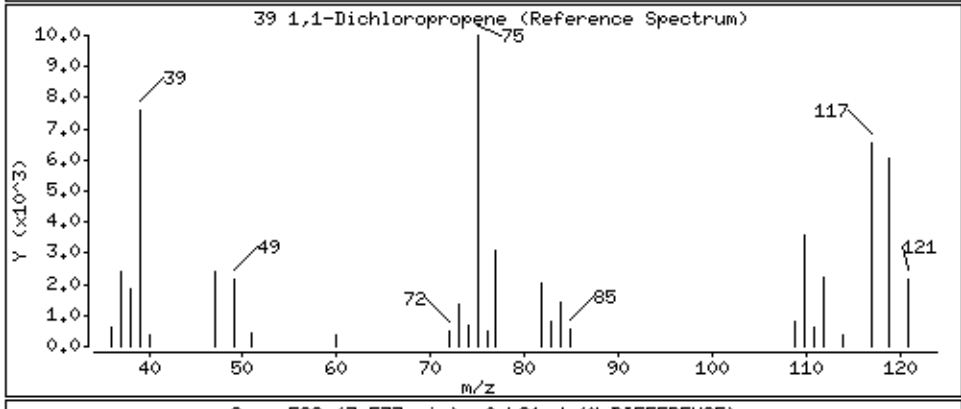
39 1,1-Dichloropropene

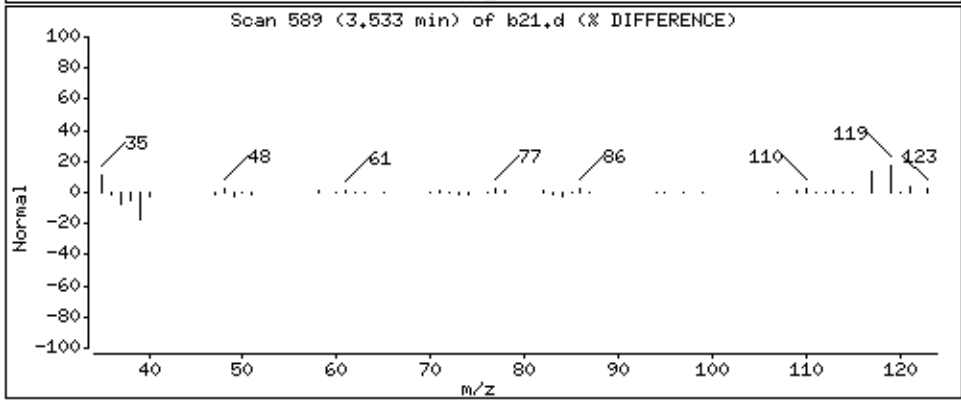
Concentration: 42.3 ppb

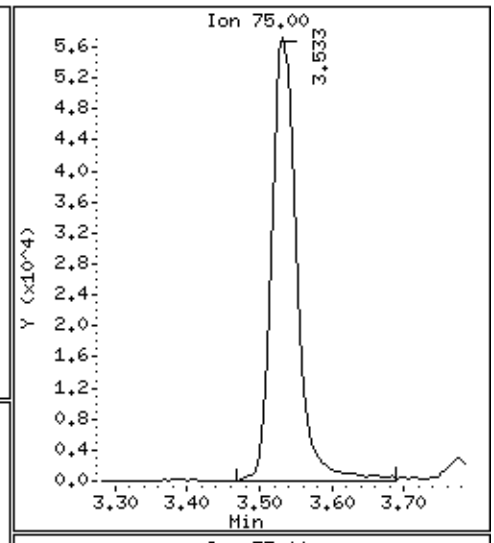
Review Code:

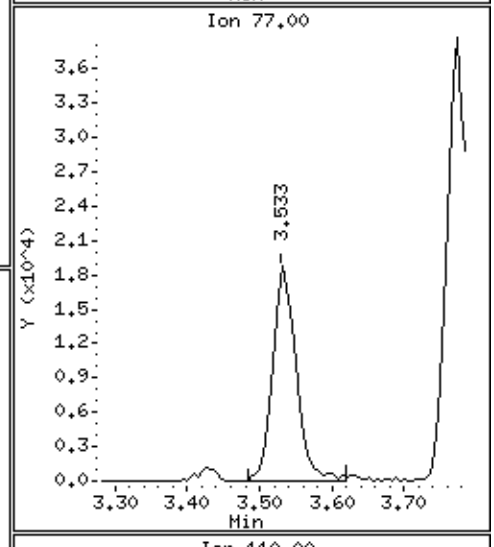


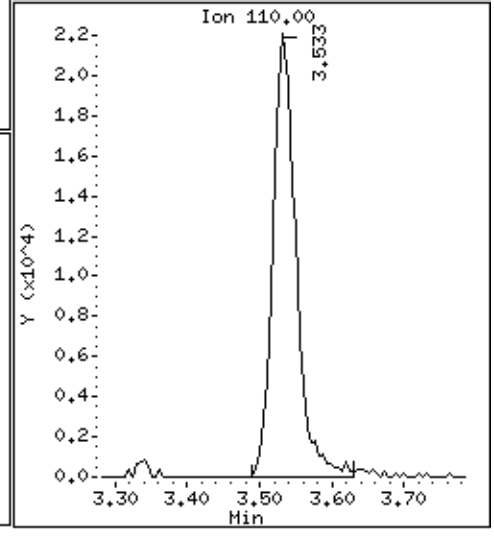












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

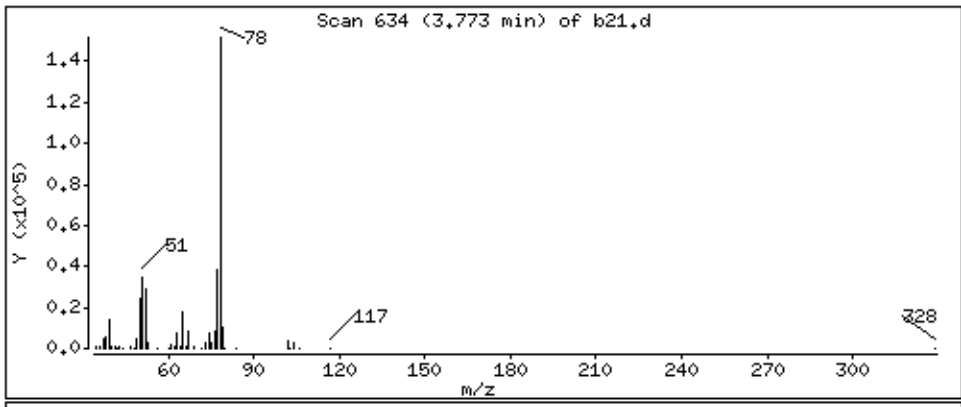
Column phase: DB-624

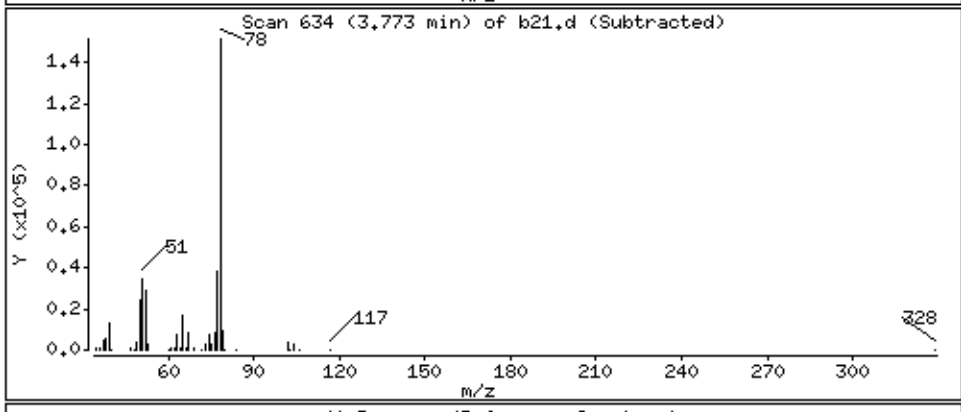
Column diameter: 0.18

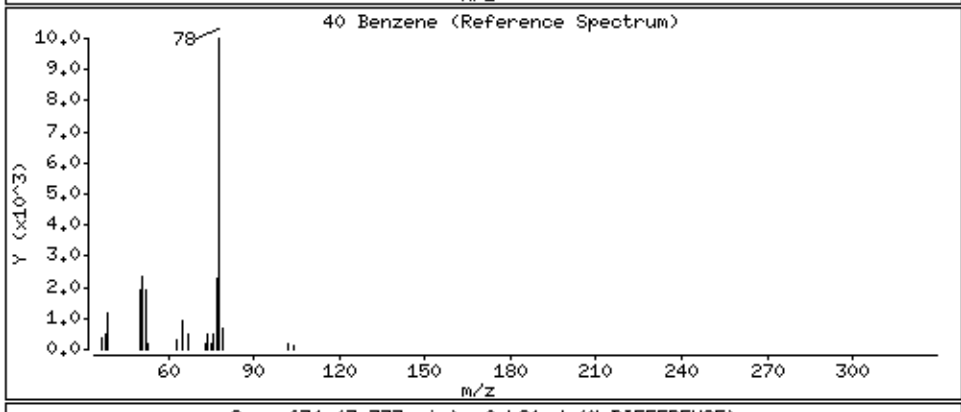
40 Benzene

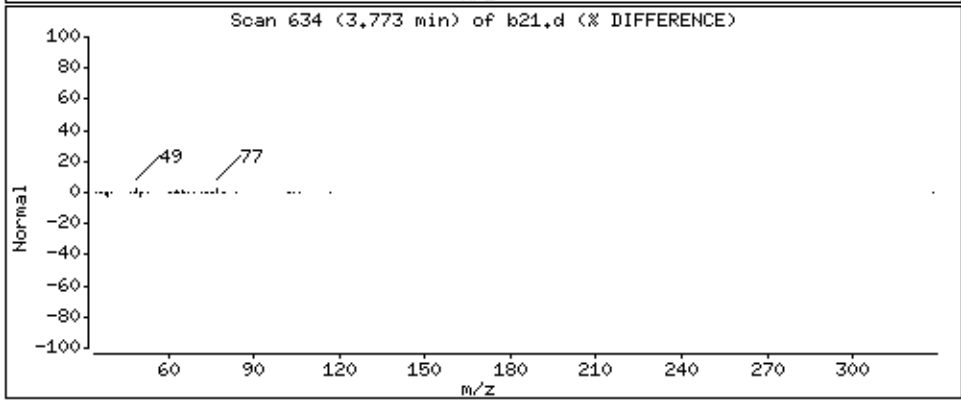
Concentration: 43.7 ppb

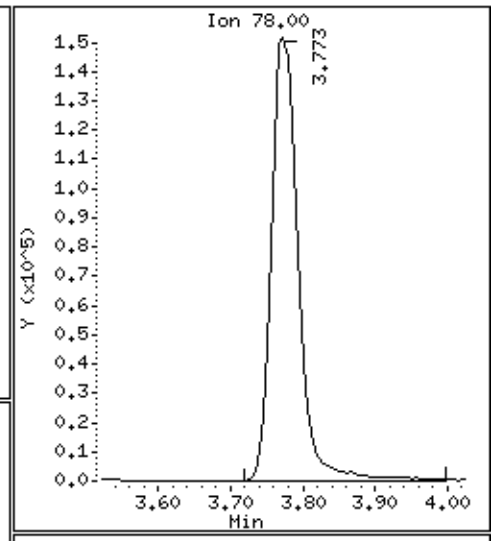
Review Code:

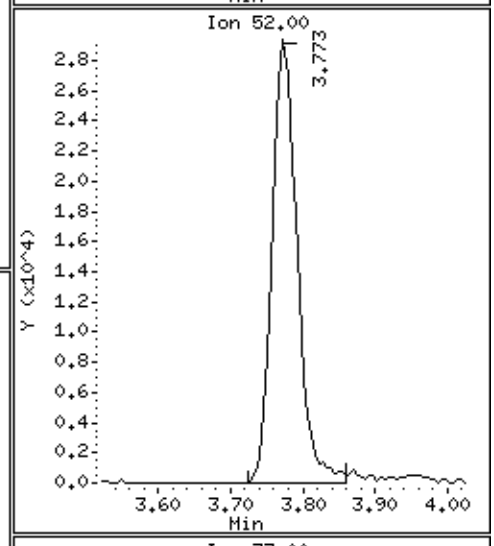


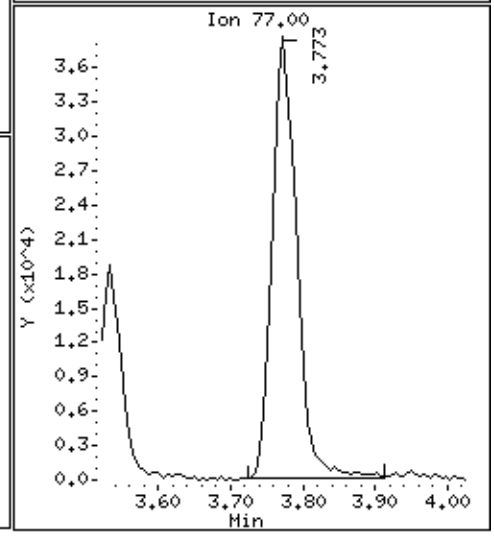












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

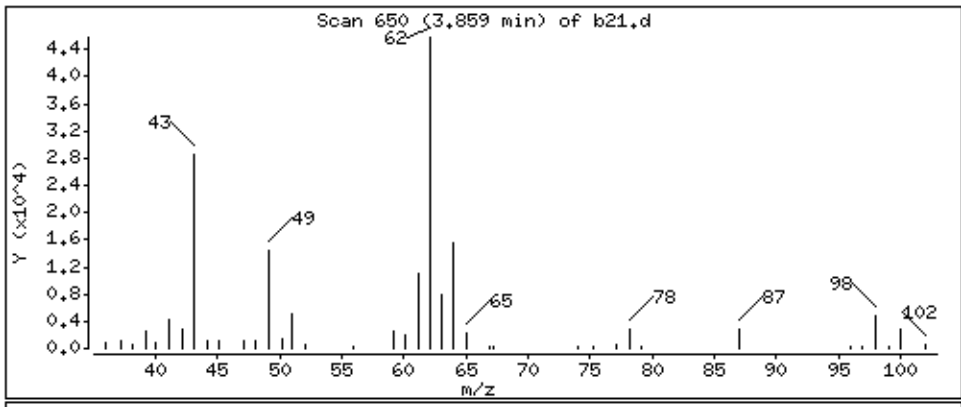
Column phase: DB-624

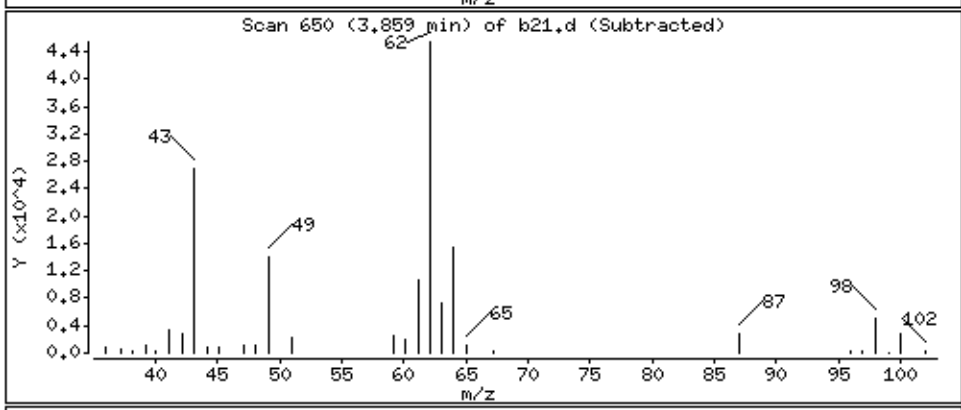
Column diameter: 0.18

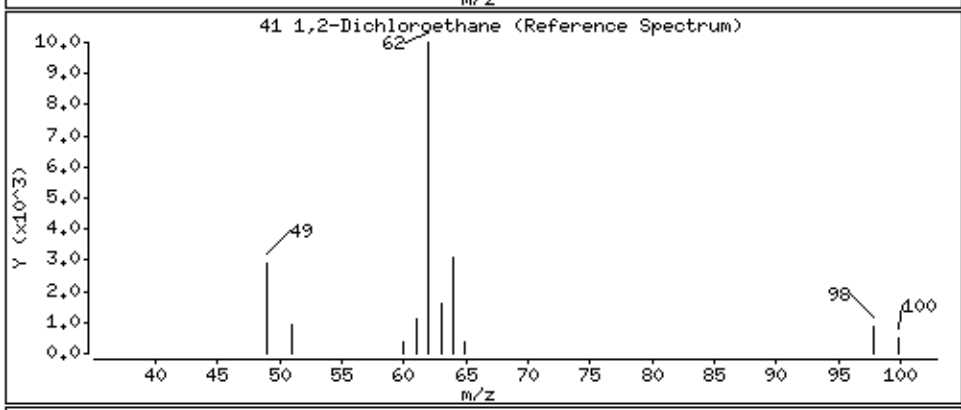
41 1,2-Dichloroethane

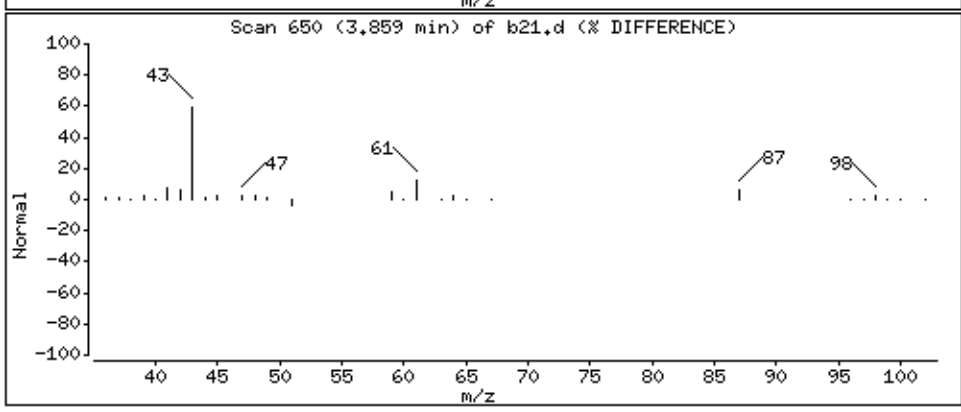
Concentration: 41.9 ppb

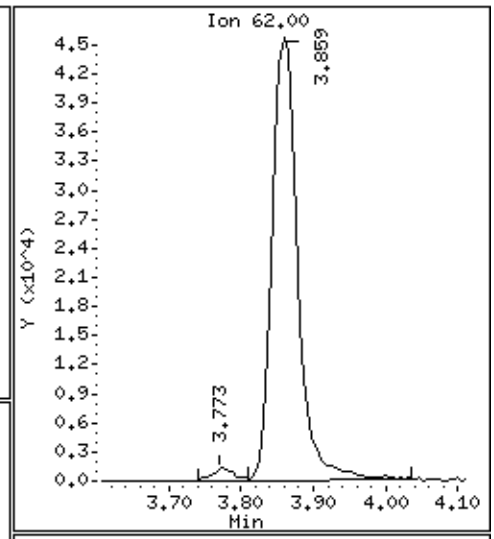
Review Code:

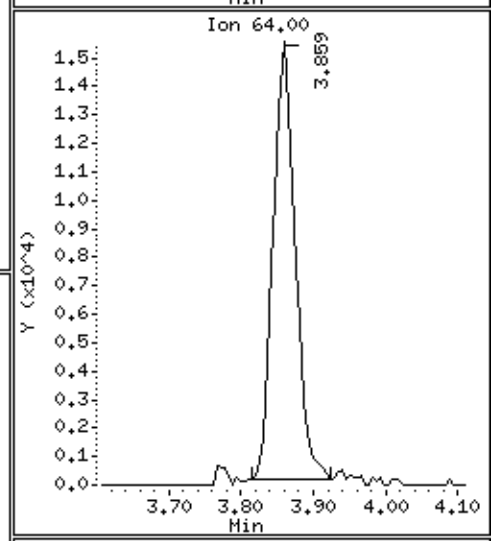


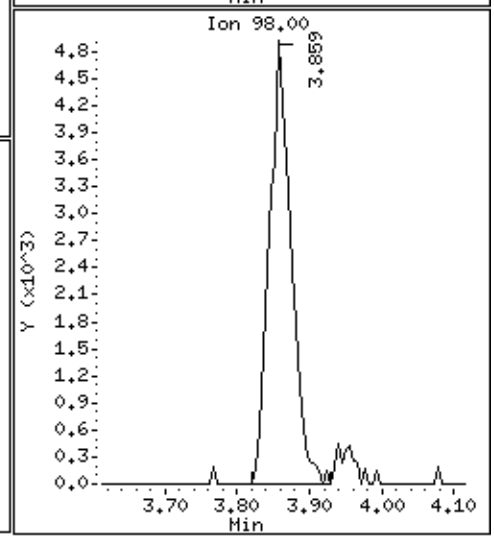












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

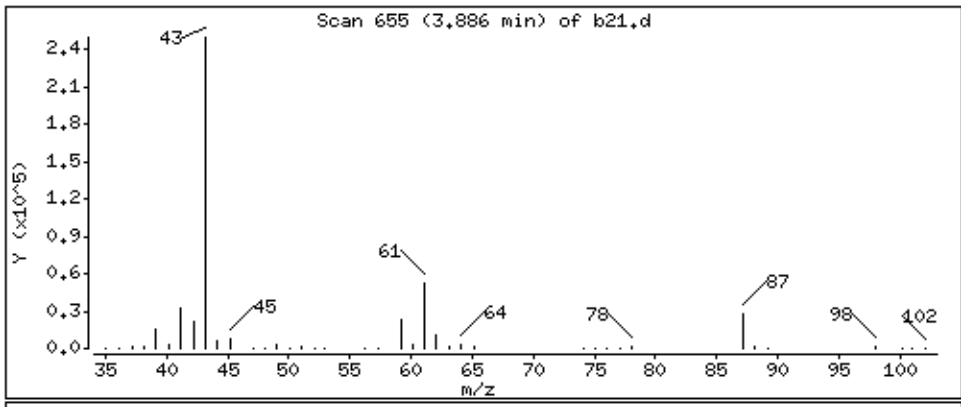
Column phase: DB-624

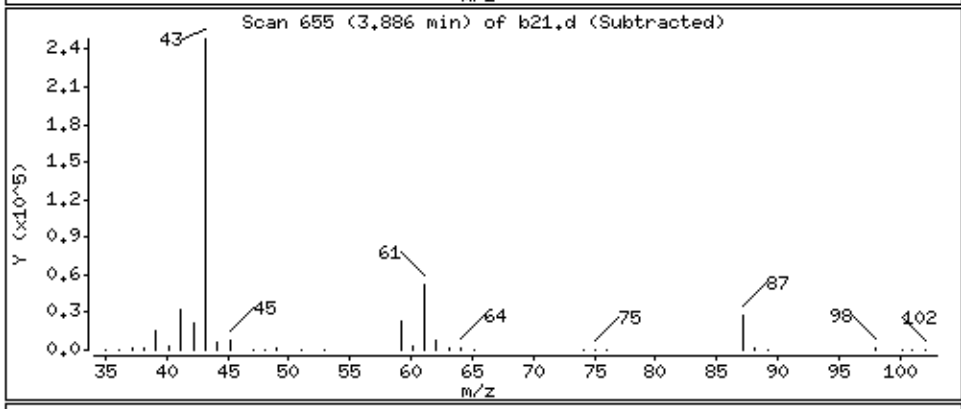
Column diameter: 0.18

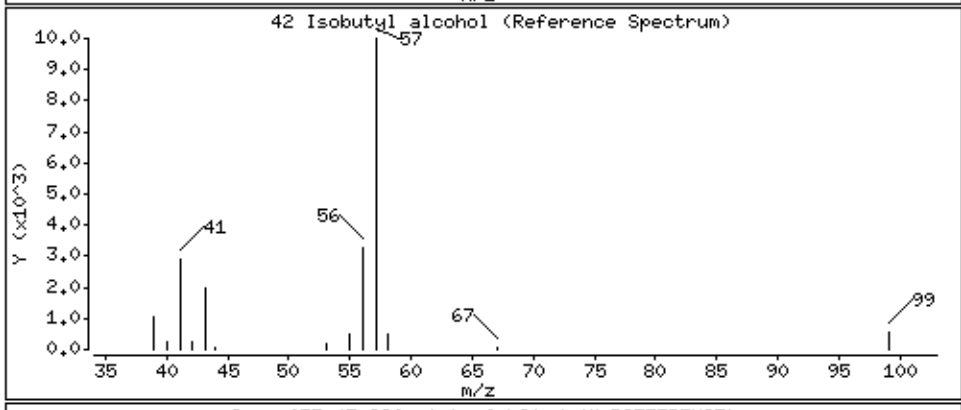
42 Isobutyl alcohol

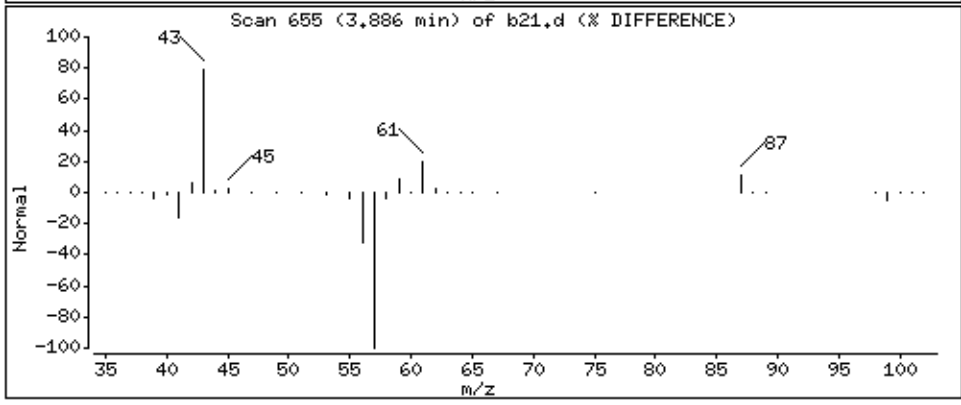
Concentration: 53.2 ppb

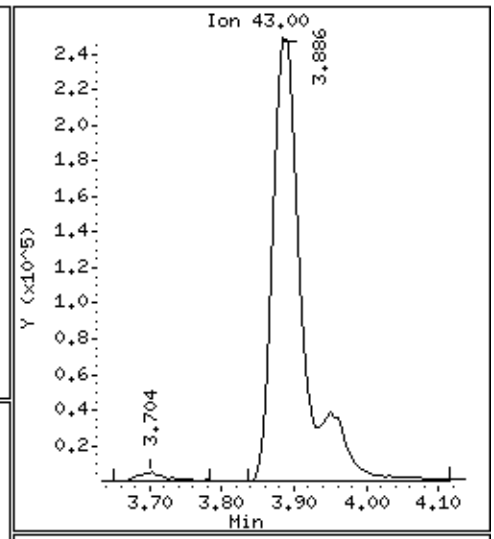
Review Code:

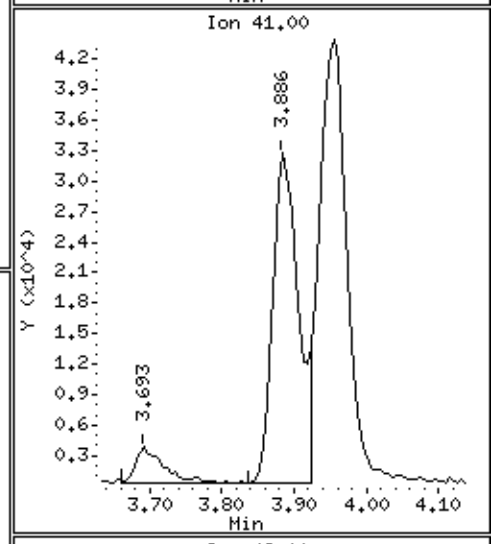


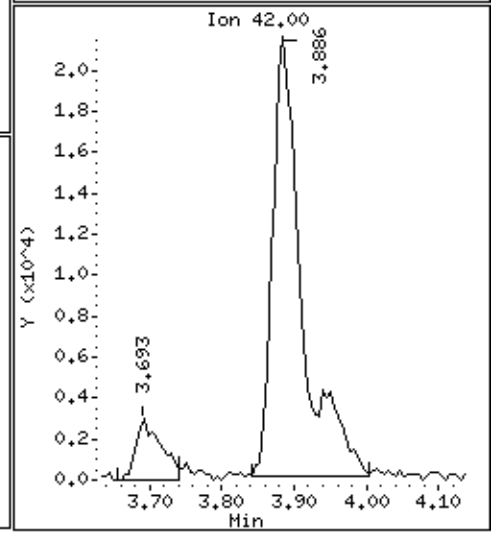












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

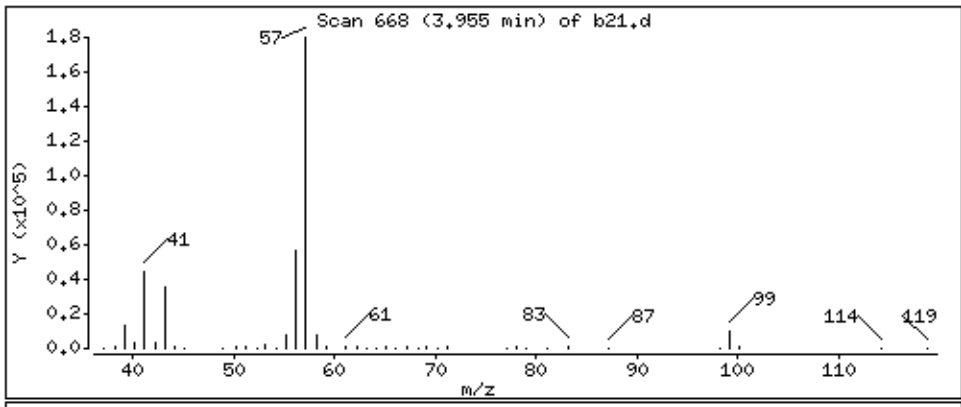
Column phase: DB-624

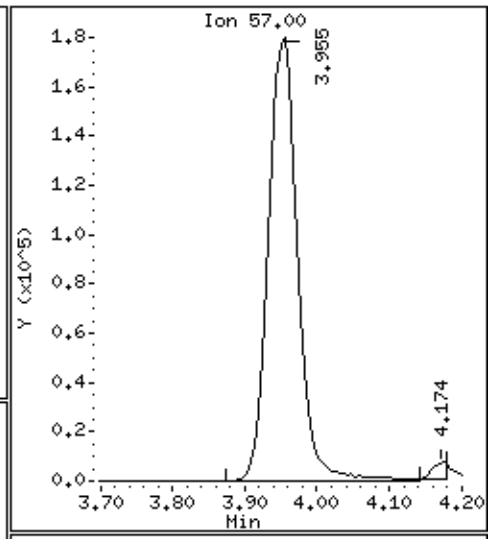
Column diameter: 0.18

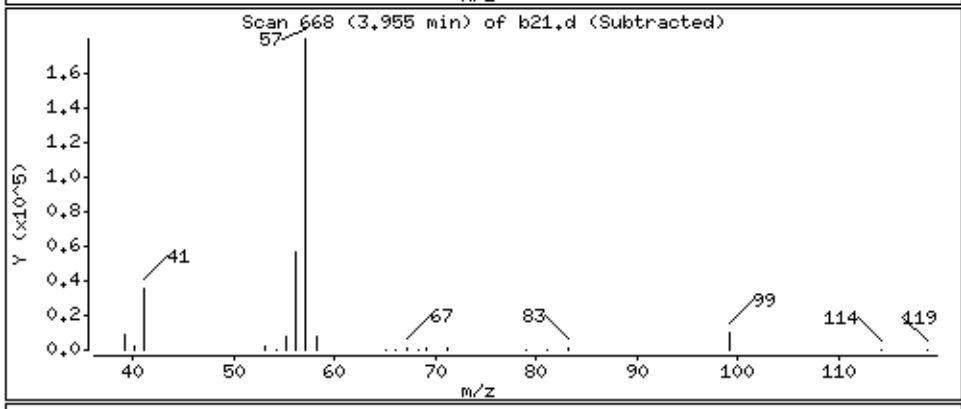
43 2,2,4-Trimethylpentane

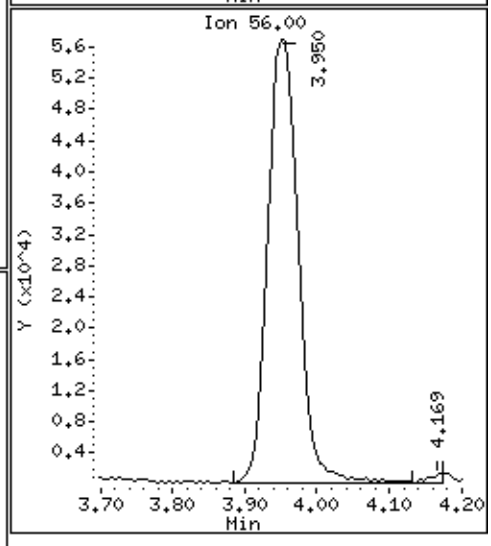
Concentration: 47.5 ppb

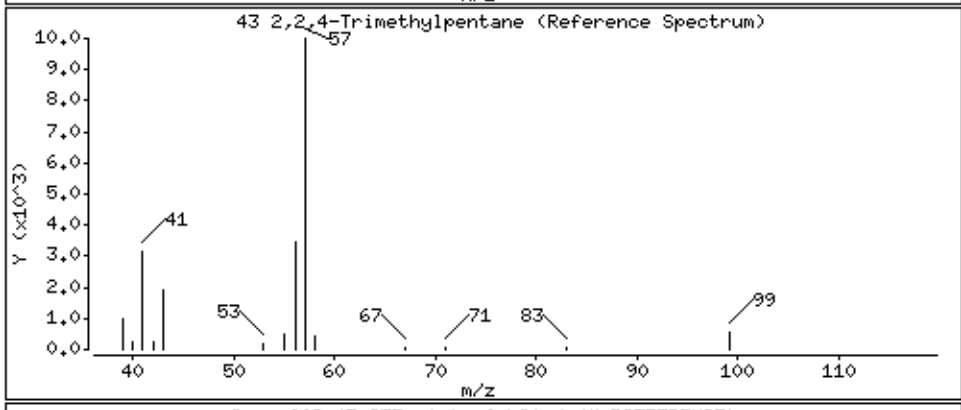
Review Code:

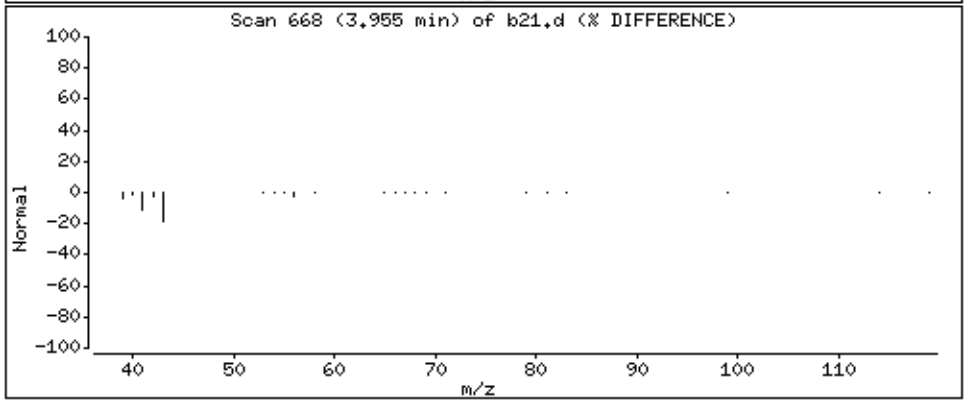












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

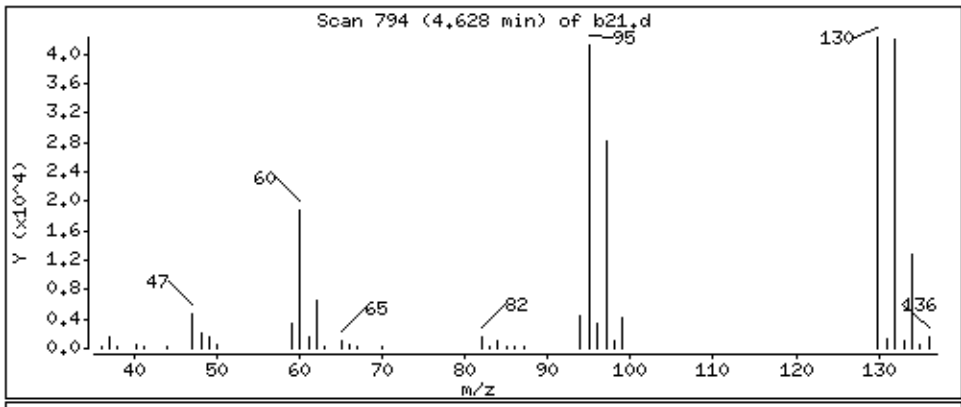
Column phase: DB-624

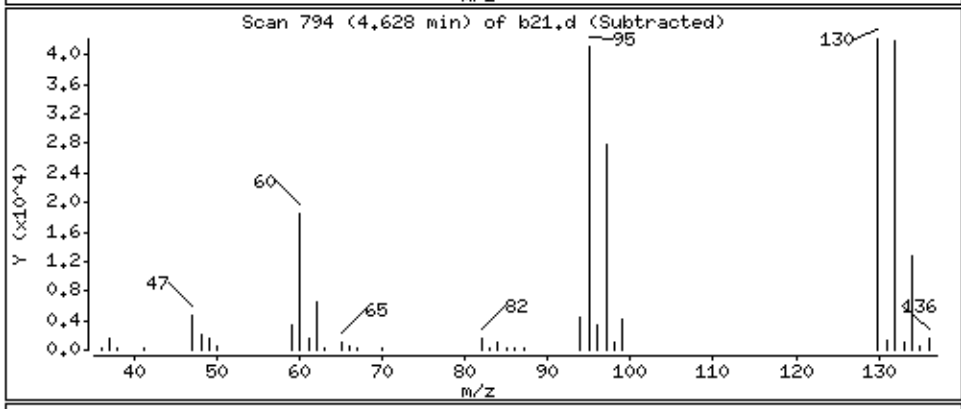
Column diameter: 0.18

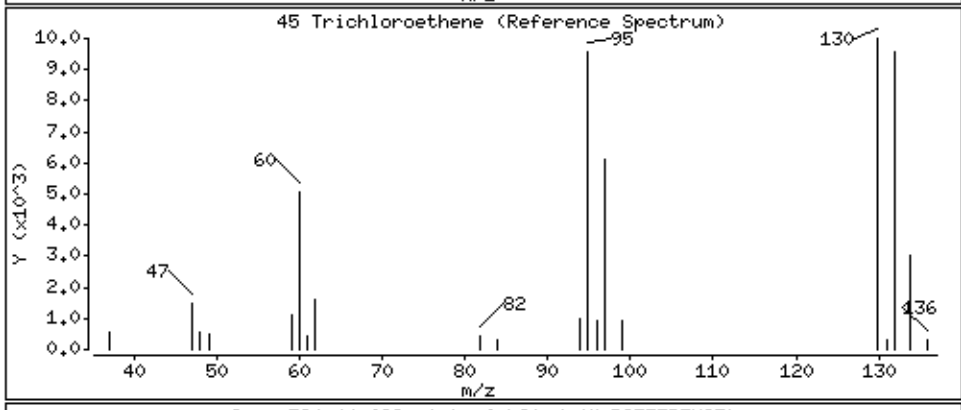
45 Trichloroethene

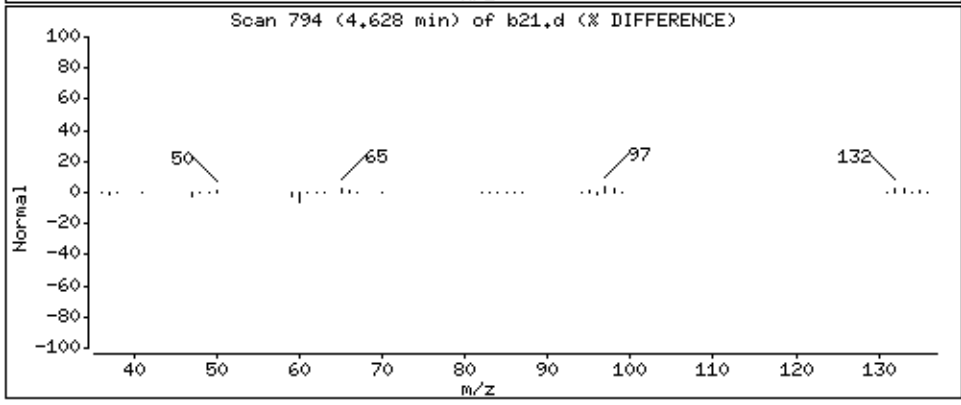
Concentration: 41.0 ppb

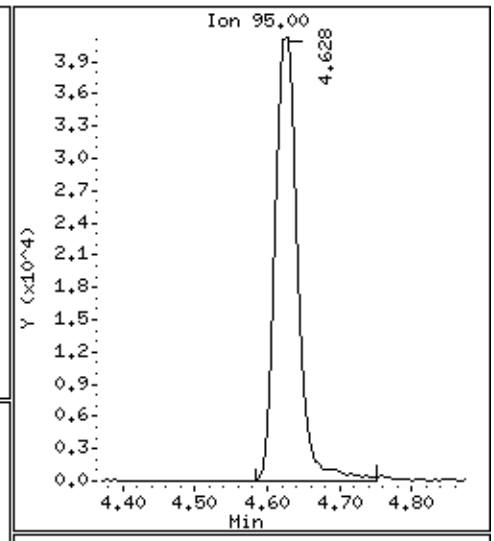
Review Code:

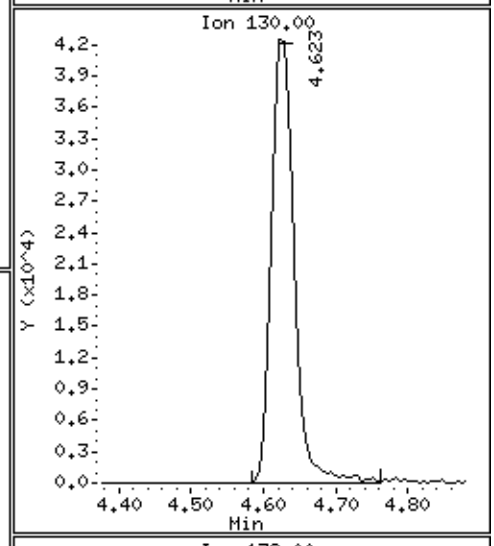


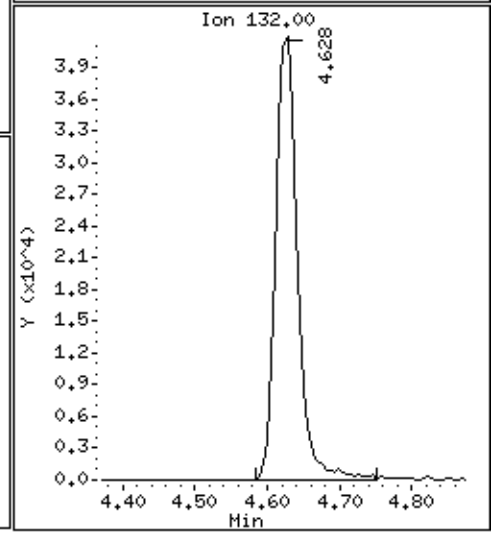












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

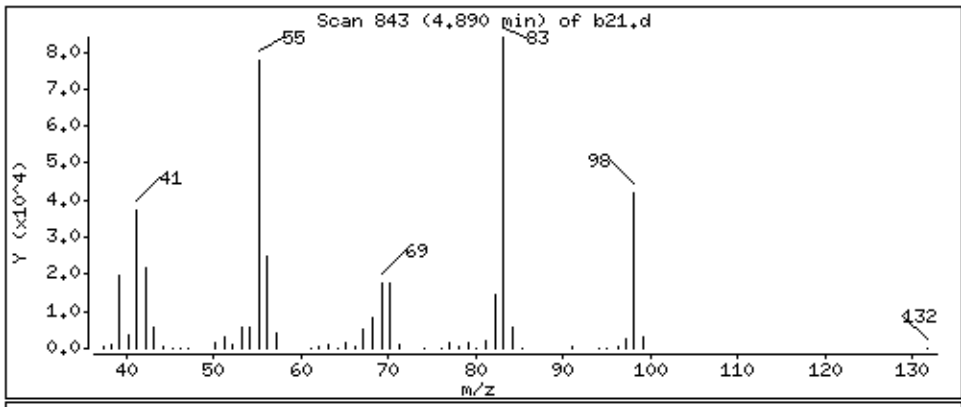
Column phase: DB-624

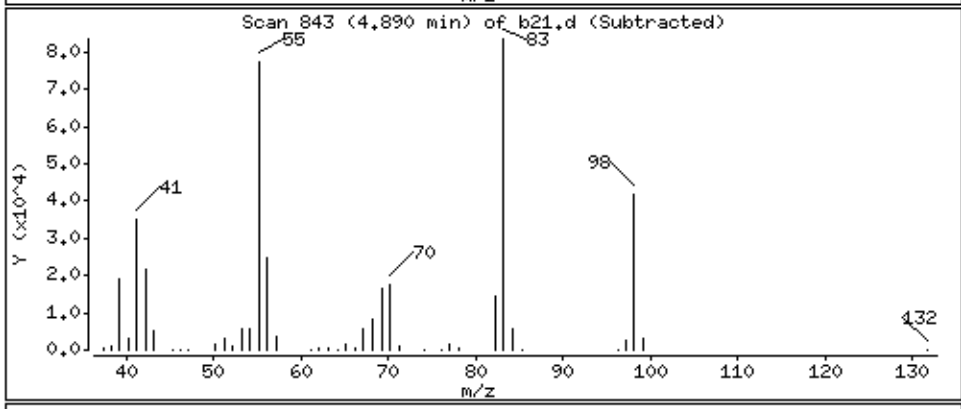
Column diameter: 0.18

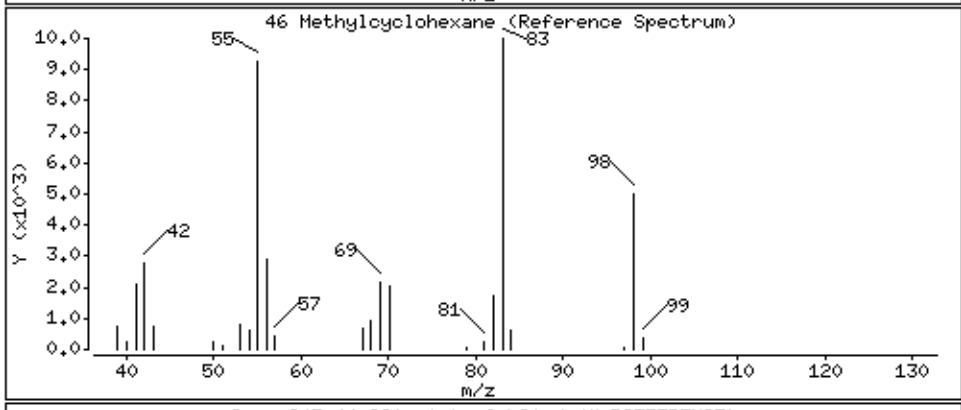
46 Methylcyclohexane

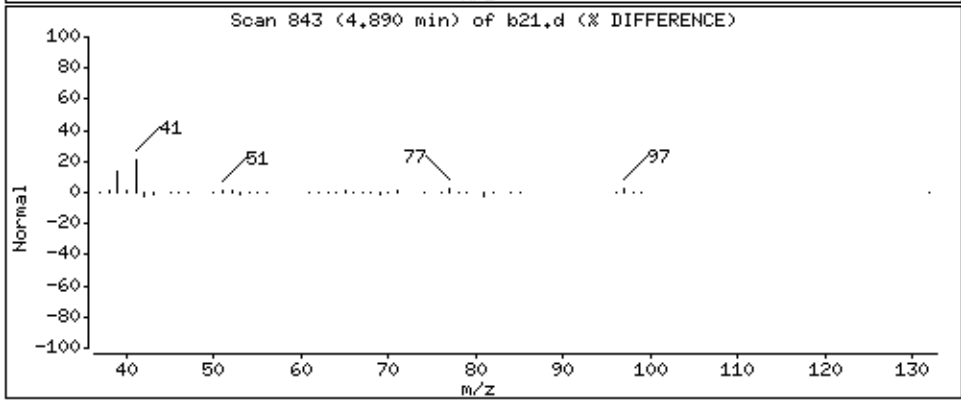
Concentration: 47.4 ppb

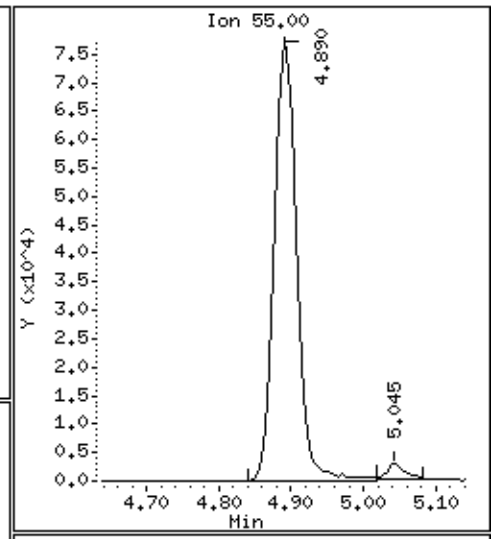
Review Code:

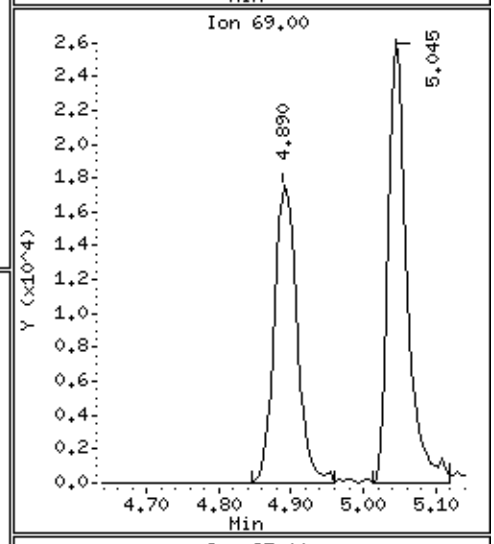


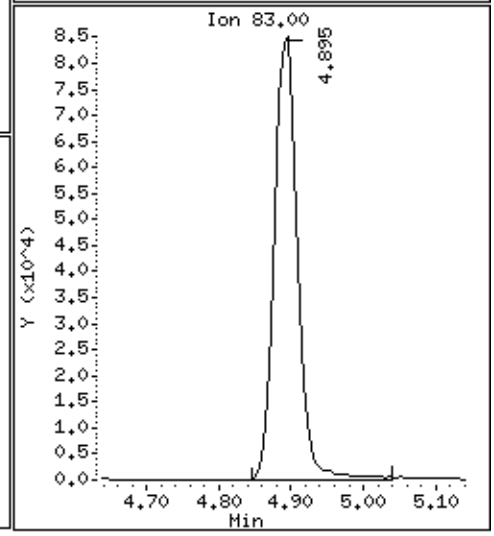












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

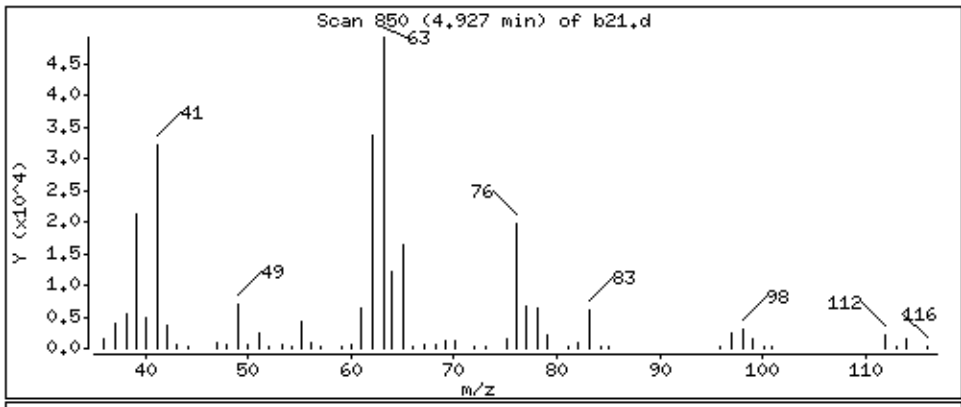
Column phase: DB-624

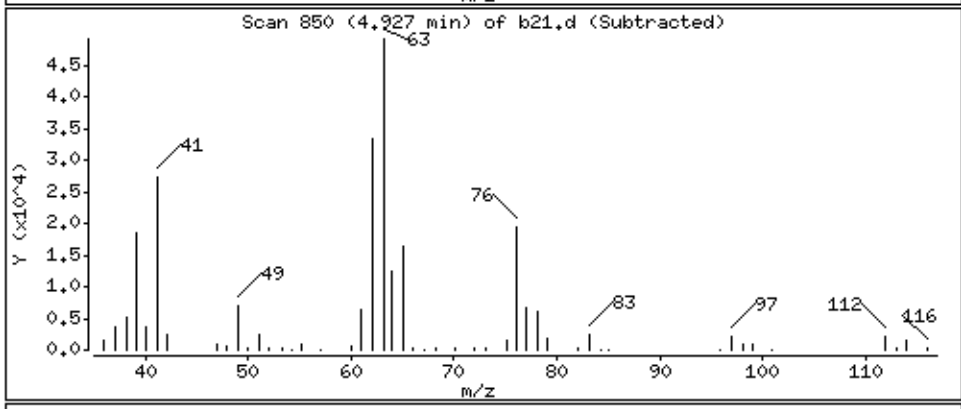
Column diameter: 0.18

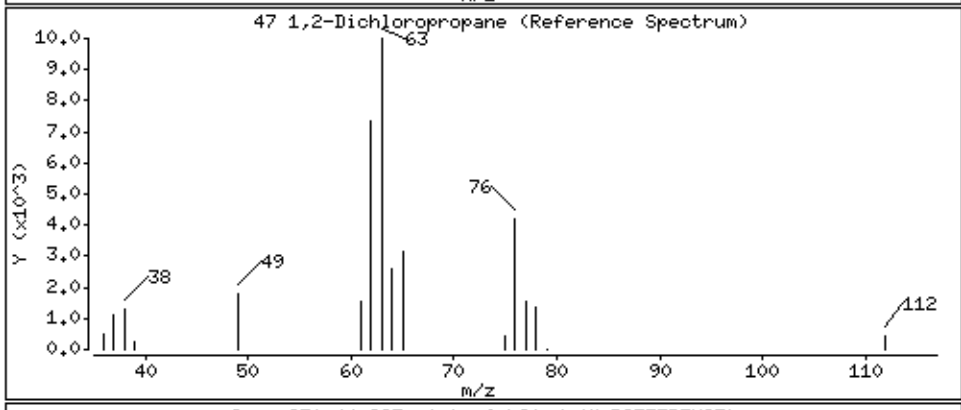
47 1,2-Dichloropropane

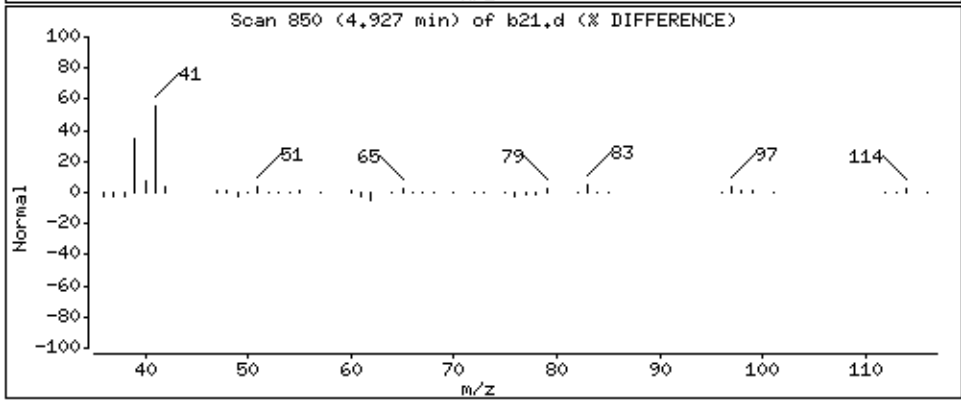
Concentration: 49.5 ppb

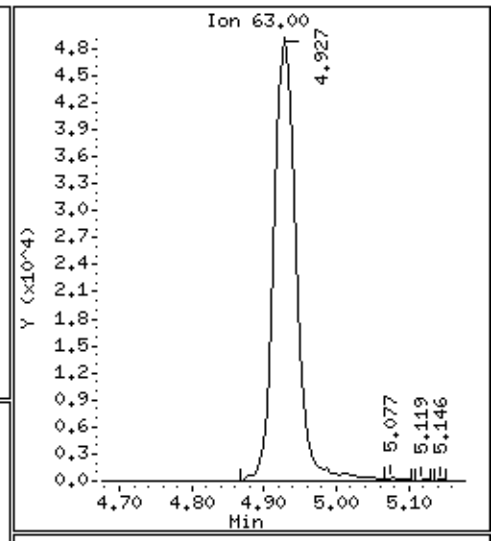
Review Code:

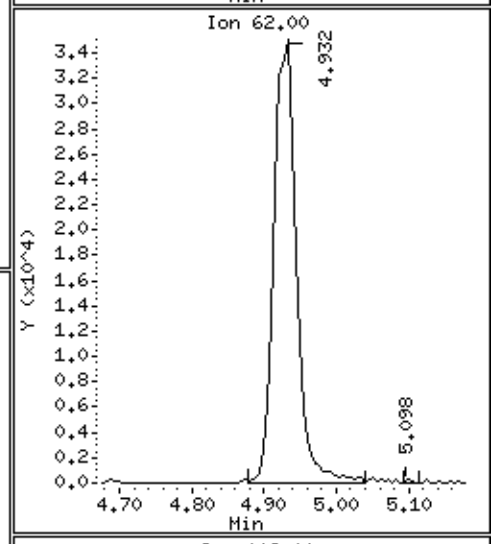


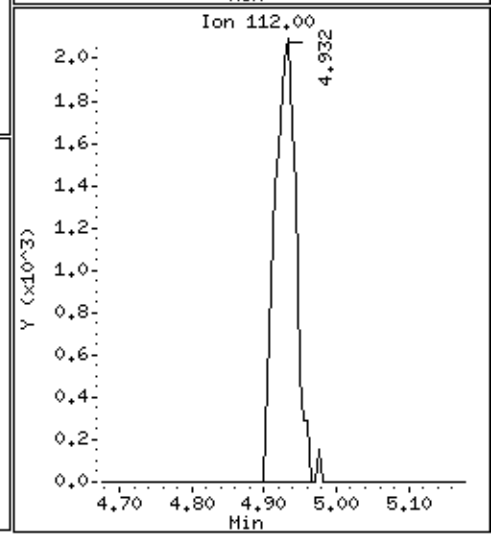












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

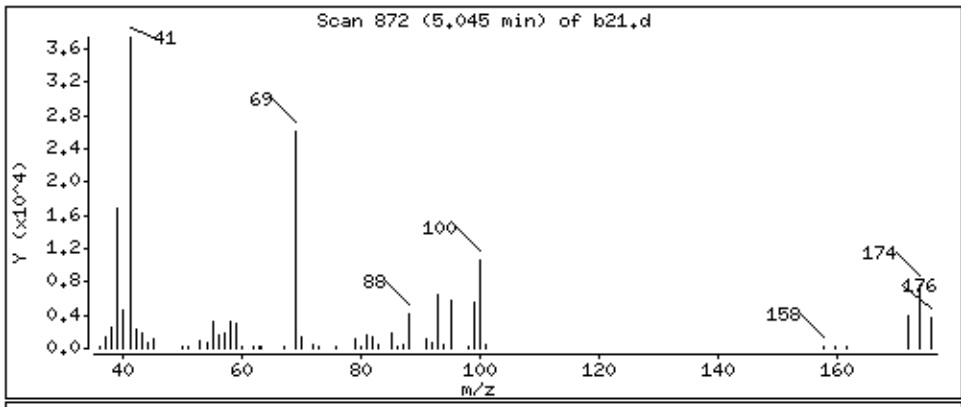
Column phase: DB-624

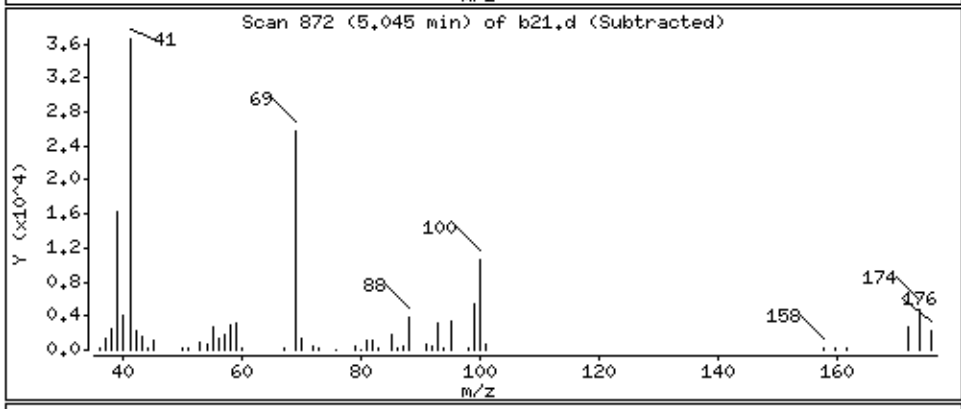
Column diameter: 0.18

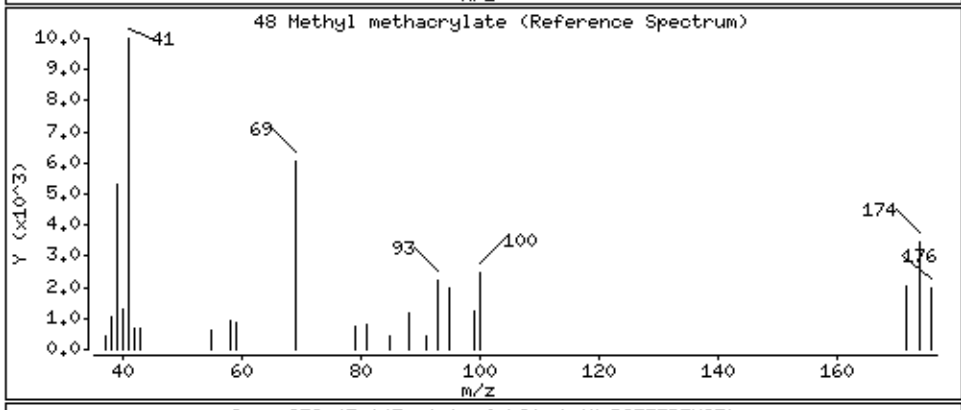
48 Methyl methacrylate

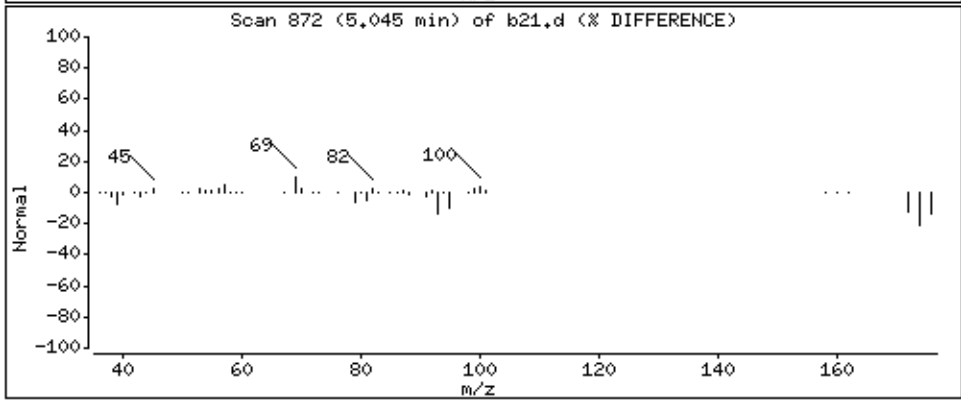
Concentration: 57.3 ppb

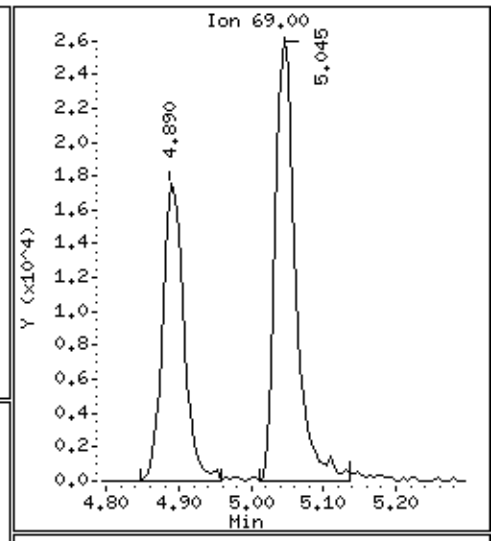
Review Code:

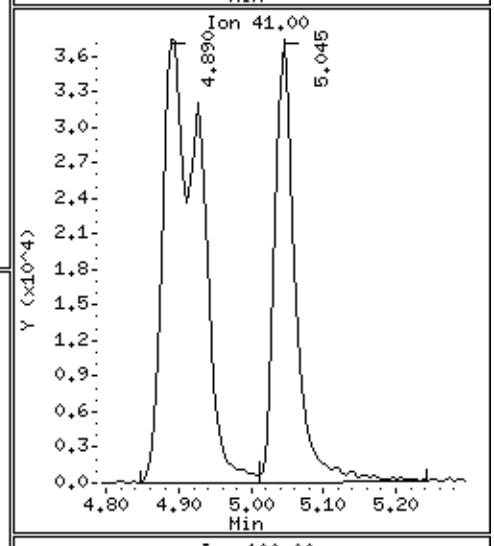


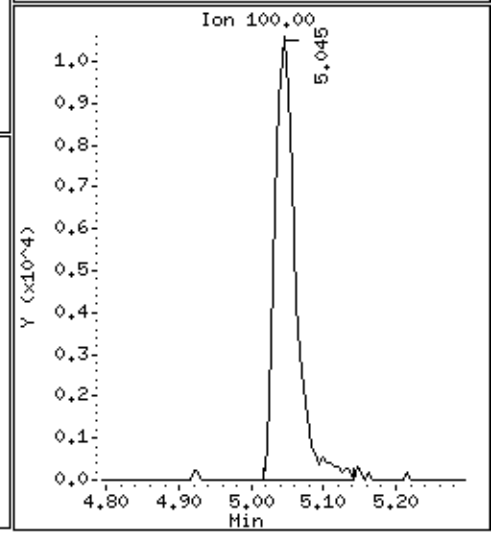












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

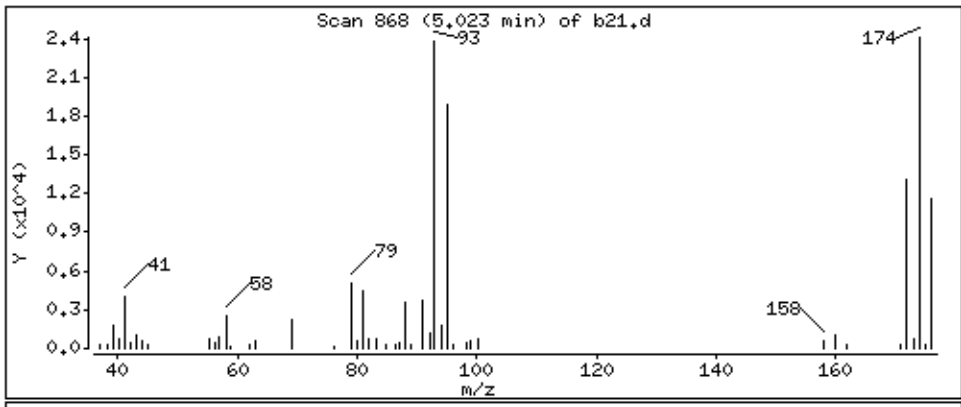
Column phase: DB-624

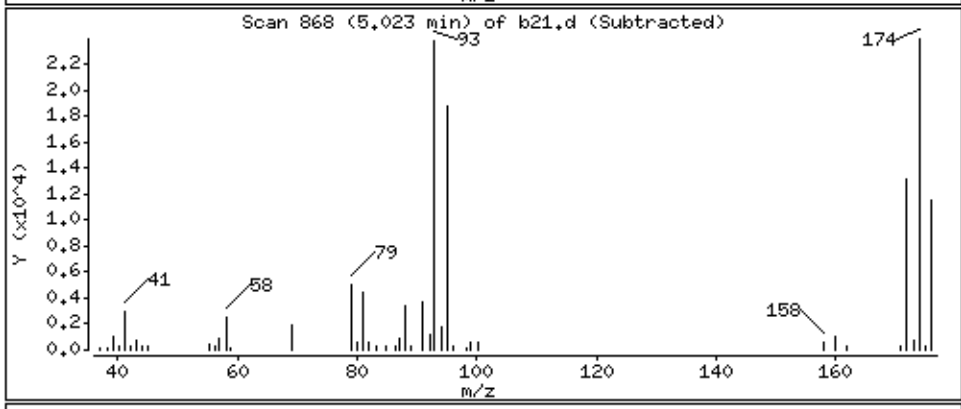
Column diameter: 0.18

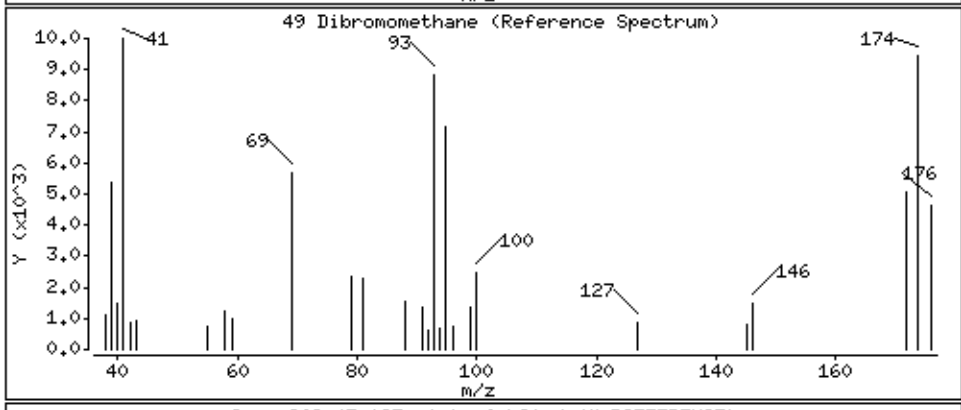
49 Dibromomethane

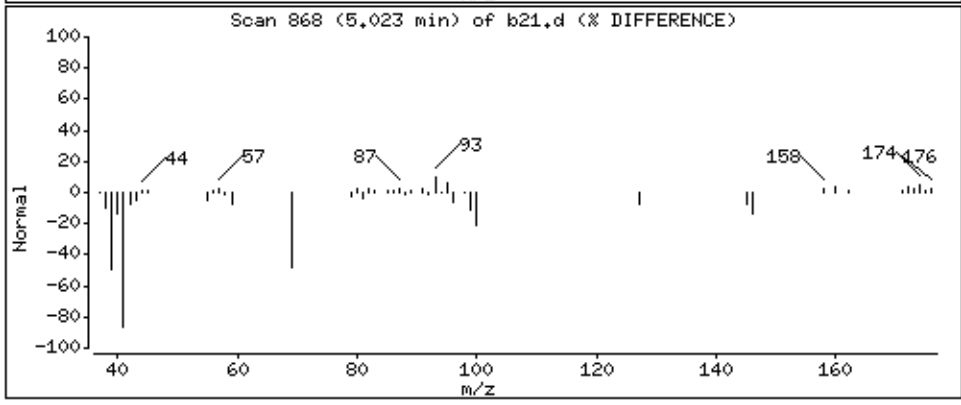
Concentration: 46.4 ppb

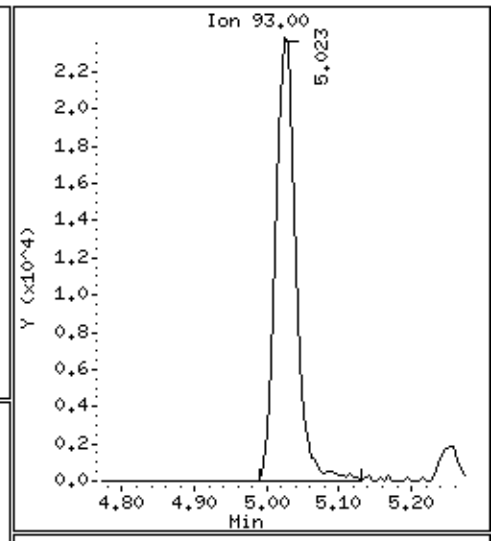
Review Code:

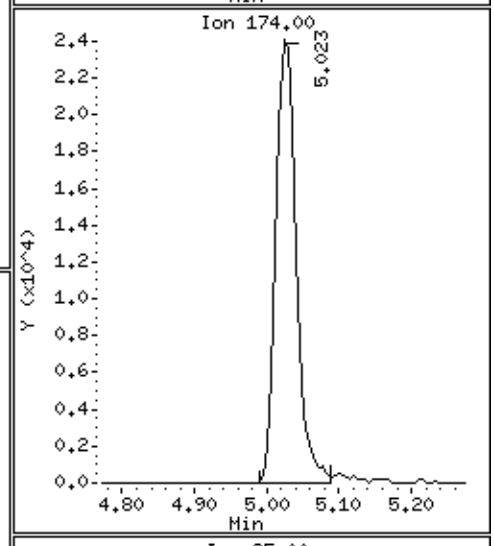


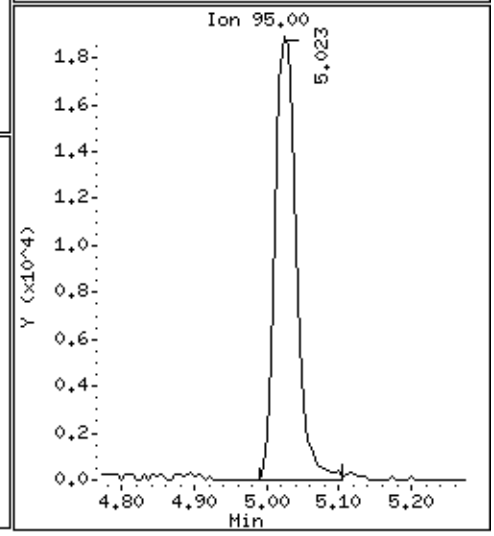












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

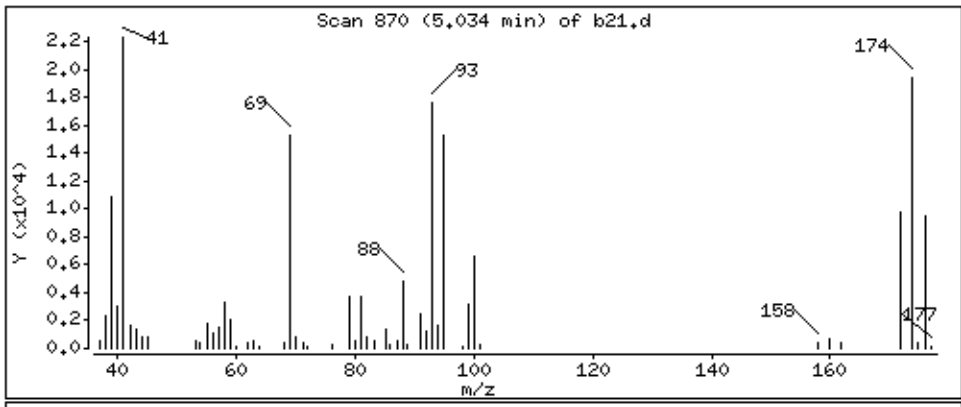
Column phase: DB-624

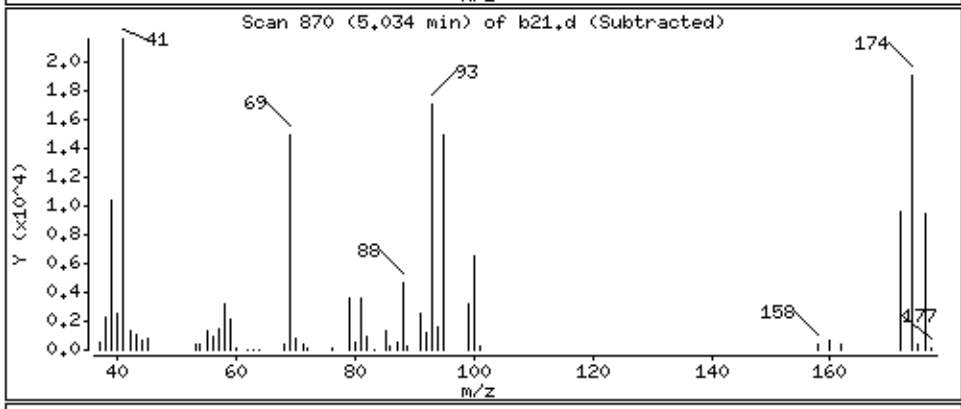
Column diameter: 0.18

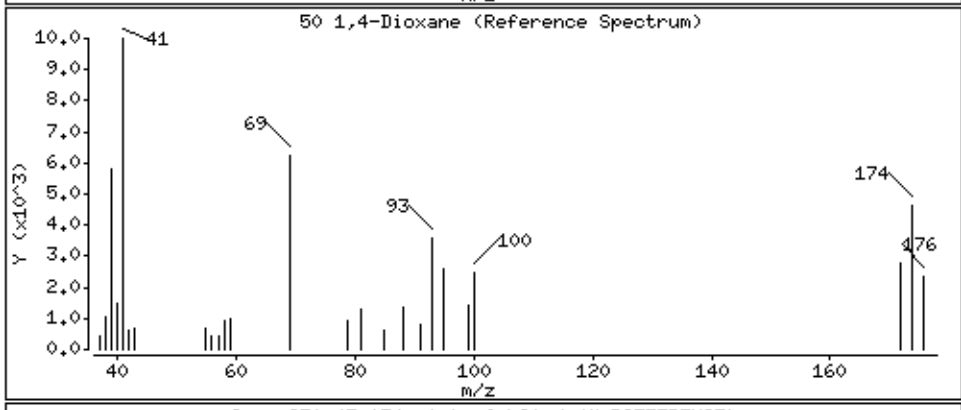
50 1,4-Dioxane

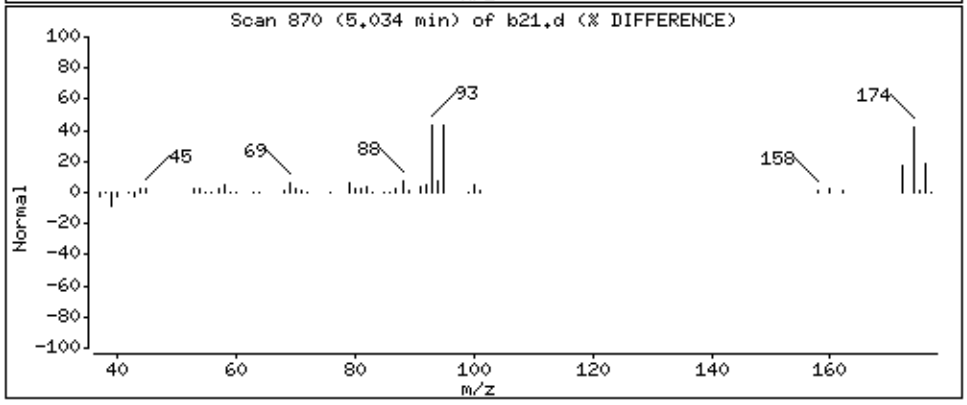
Concentration: 1100 ppb

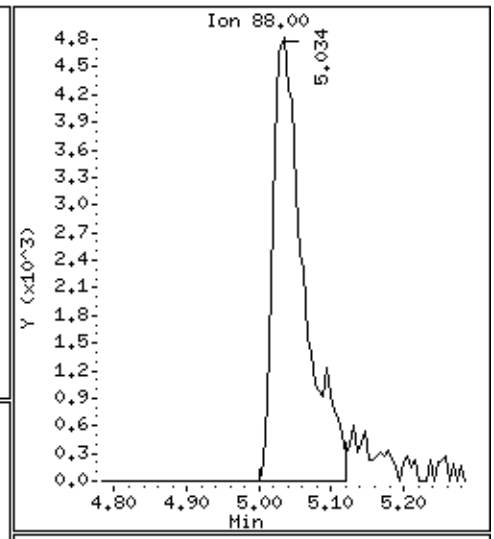
Review Code:

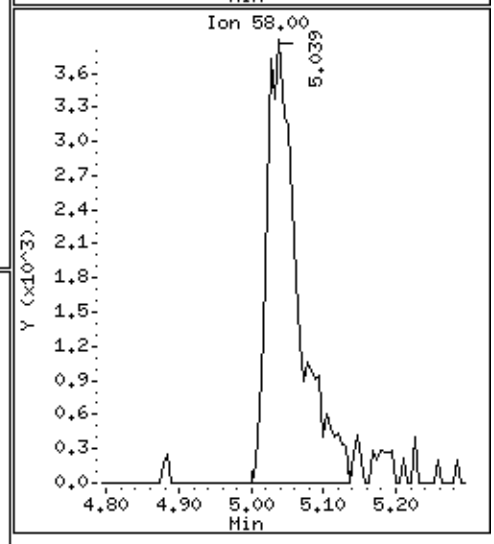












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

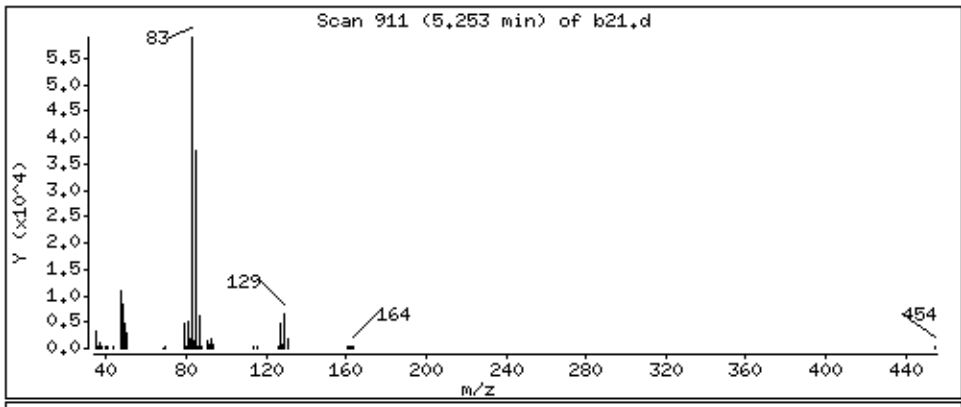
Column phase: DB-624

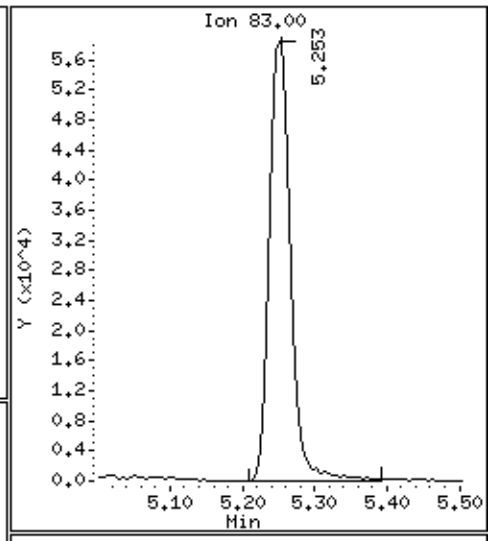
Column diameter: 0.18

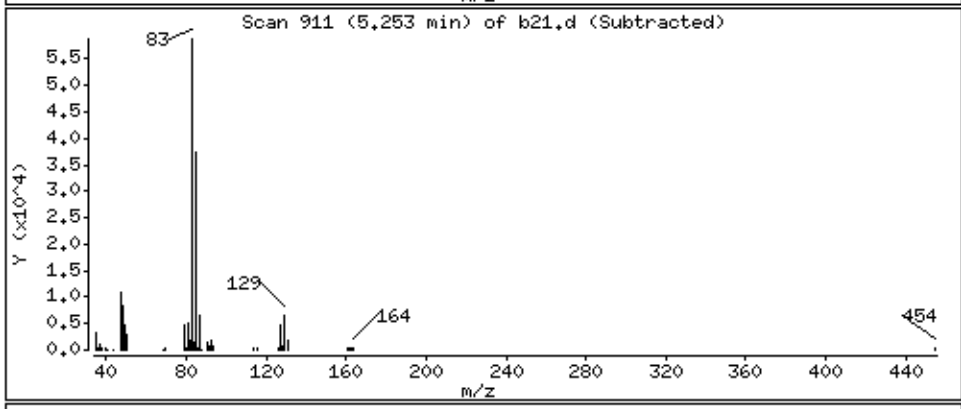
51 Bromodichloromethane

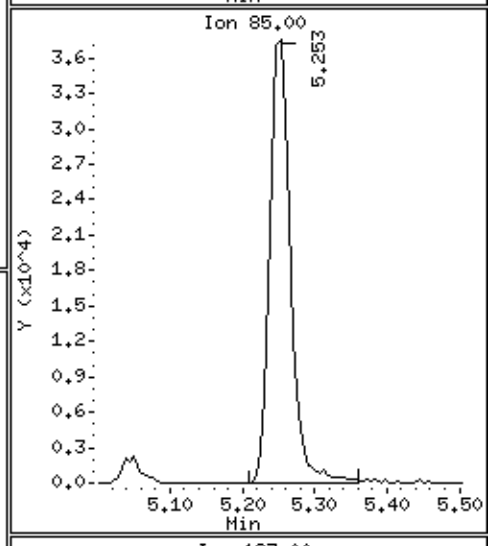
Concentration: 47.1 ppb

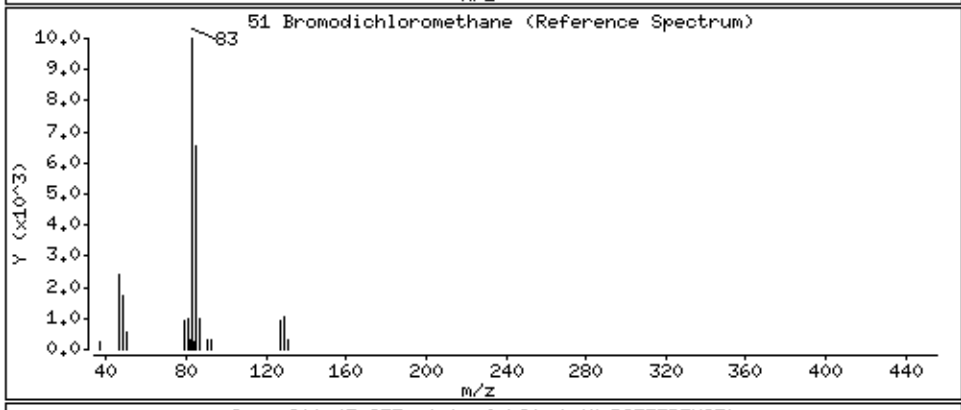
Review Code:

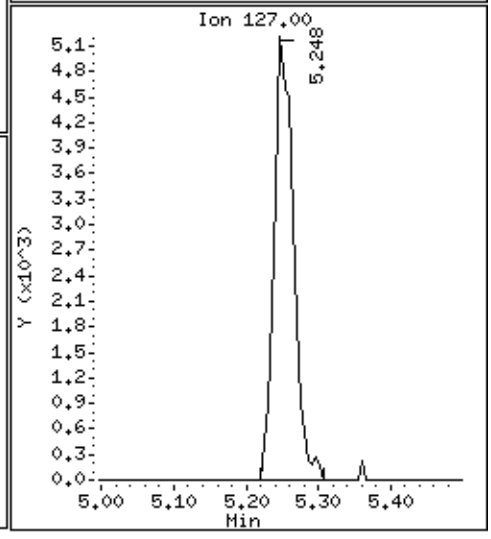


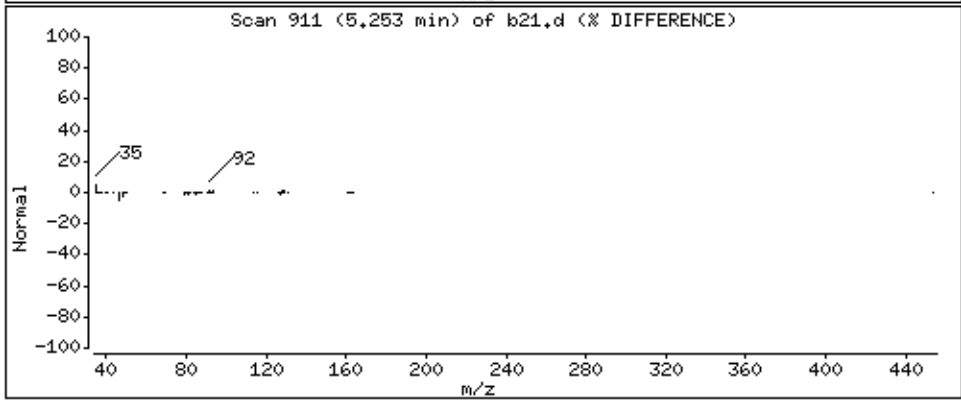












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

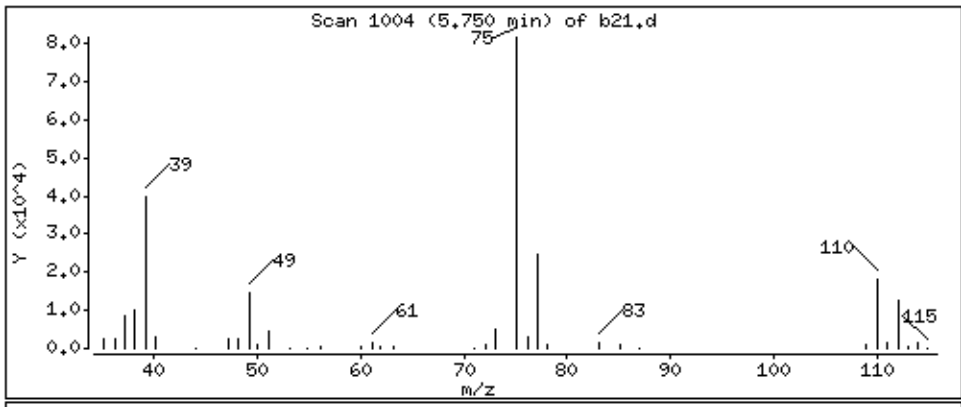
Column phase: DB-624

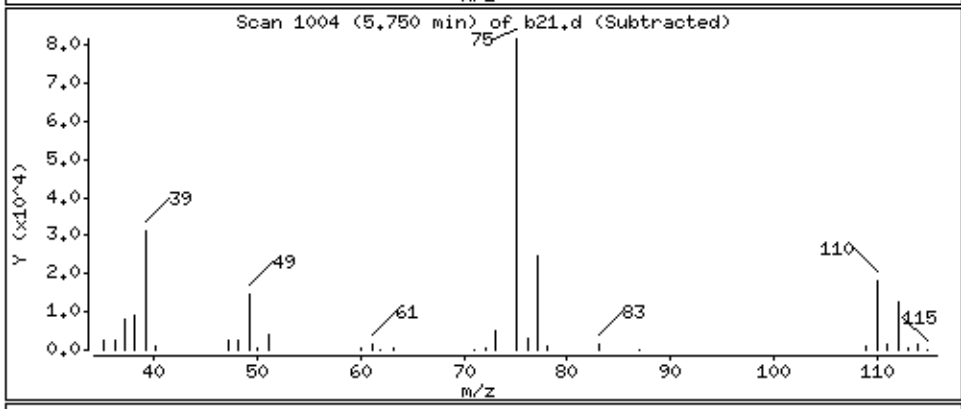
Column diameter: 0.18

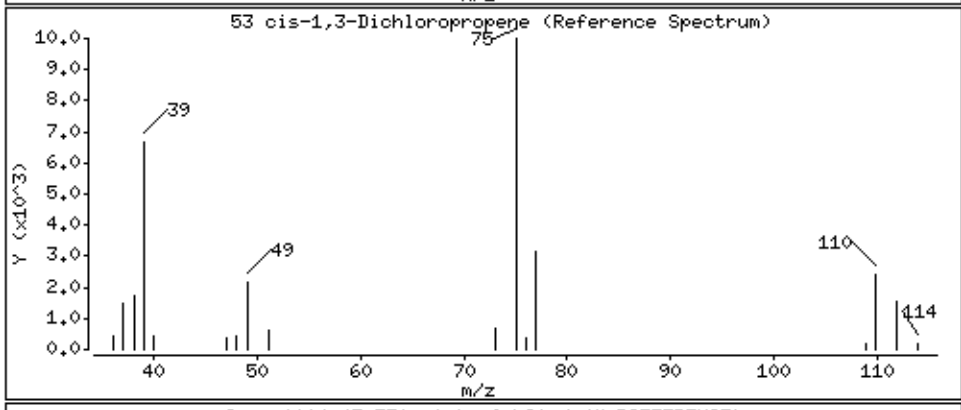
53 cis-1,3-Dichloropropene

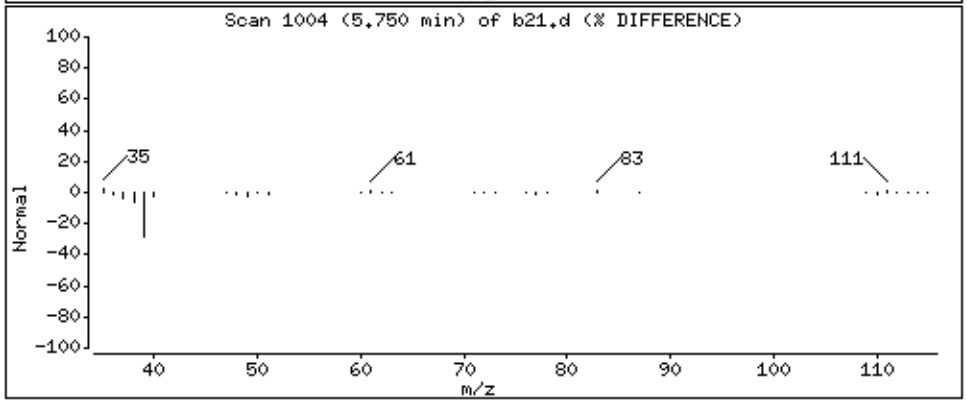
Concentration: 43.8 ppb

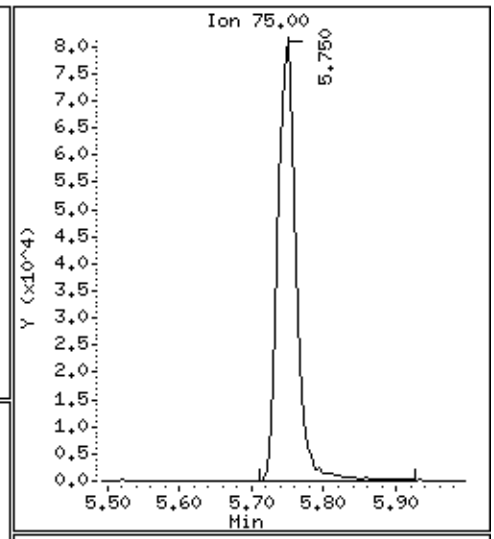
Review Code:

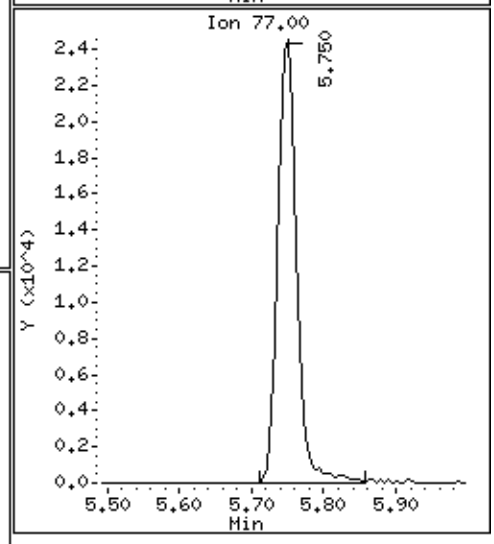












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

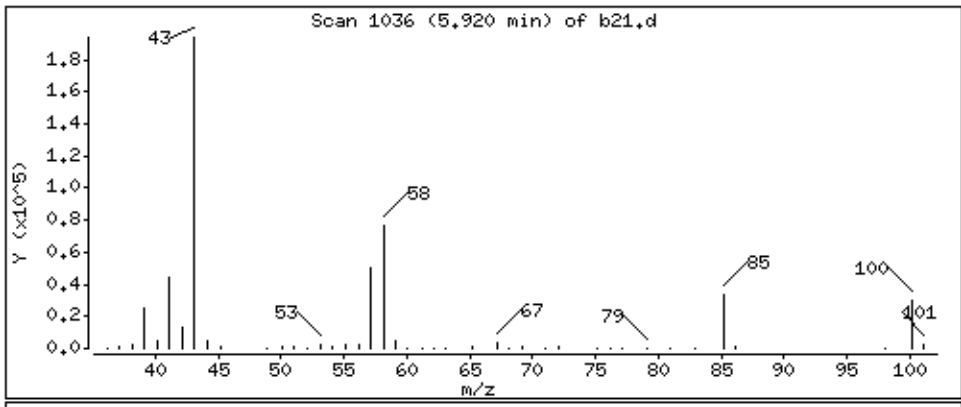
Column phase: DB-624

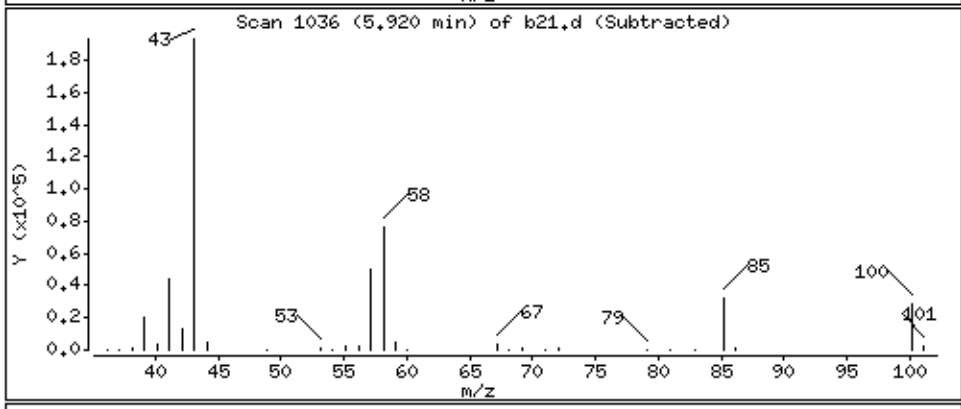
Column diameter: 0.18

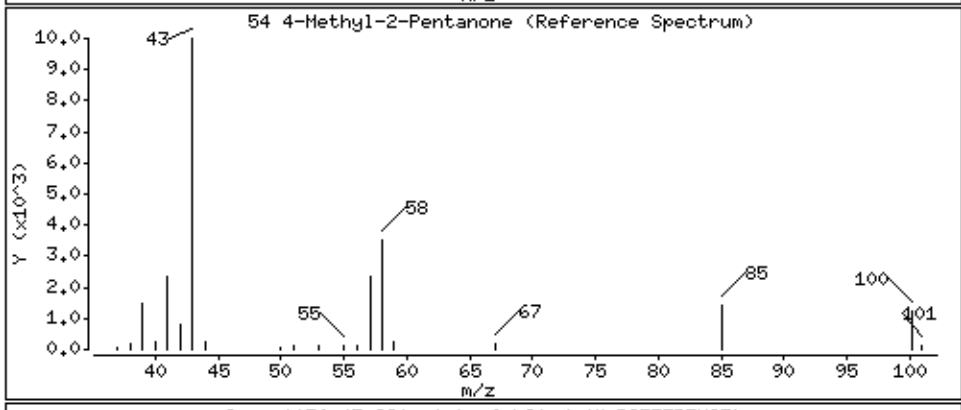
54 4-Methyl-2-Pentanone

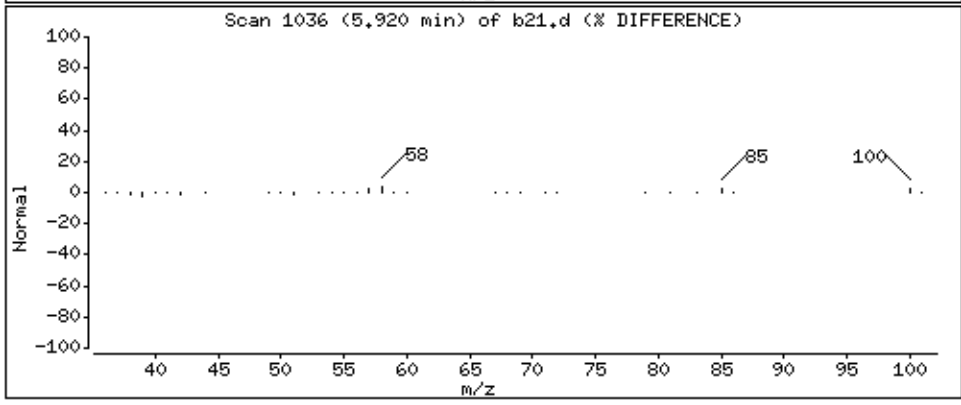
Concentration: 252 ppb

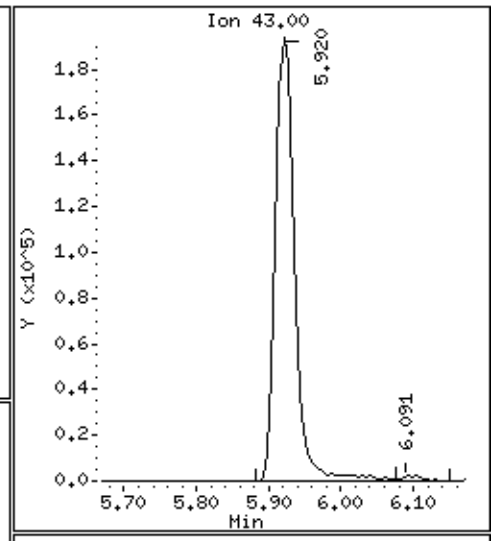
Review Code:

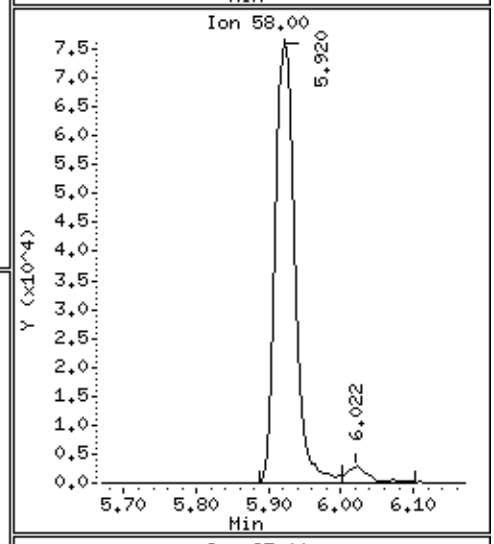


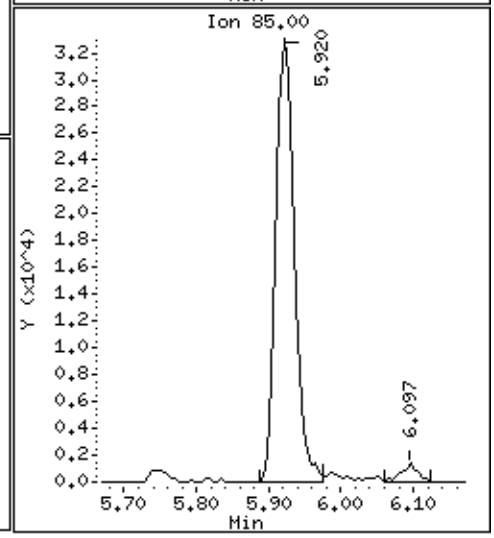












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

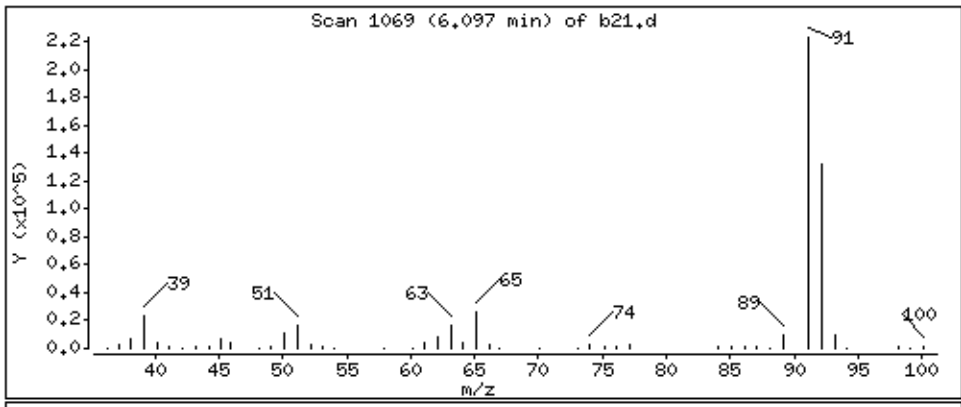
Column phase: DB-624

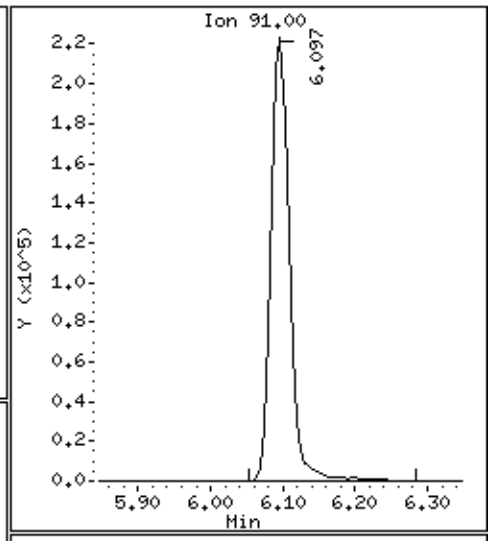
Column diameter: 0.18

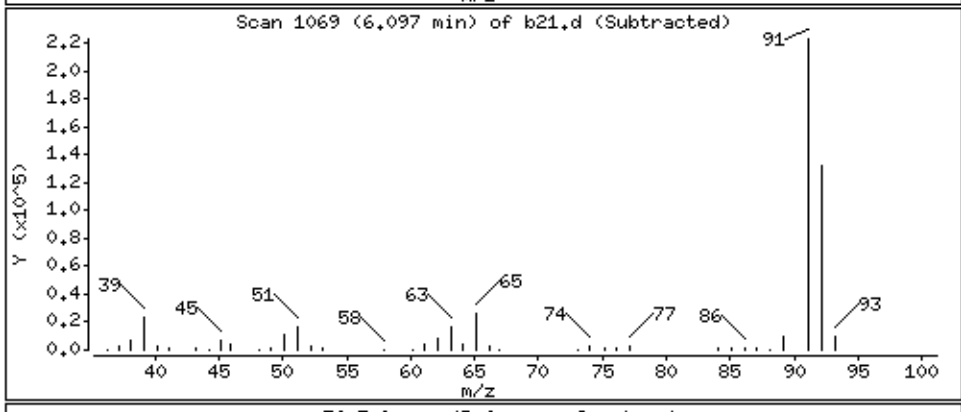
56 Toluene

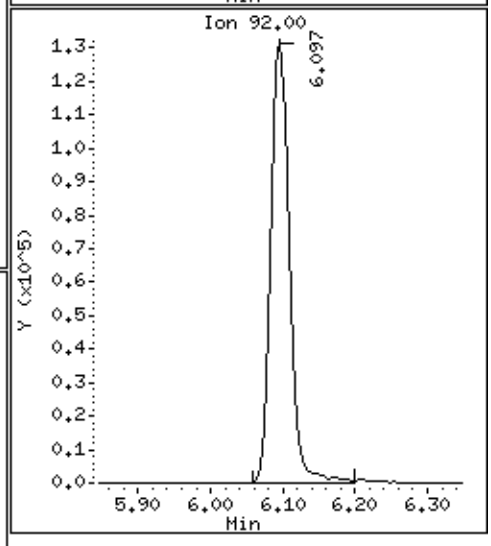
Concentration: 35.2 ppb

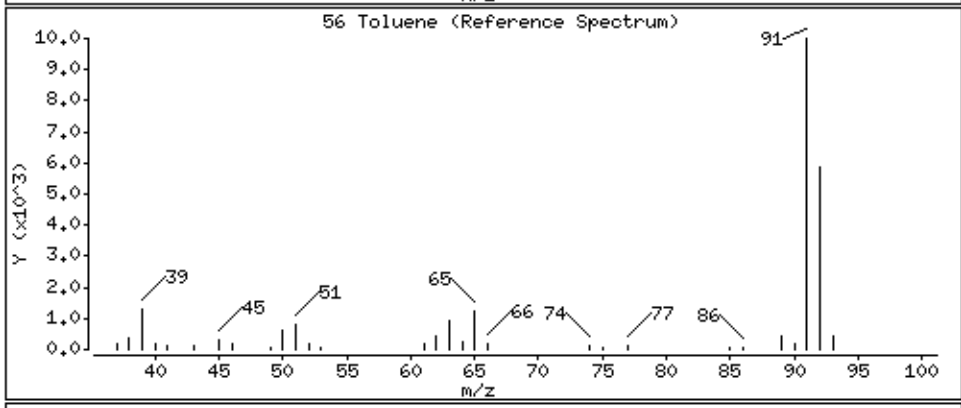
Review Code:

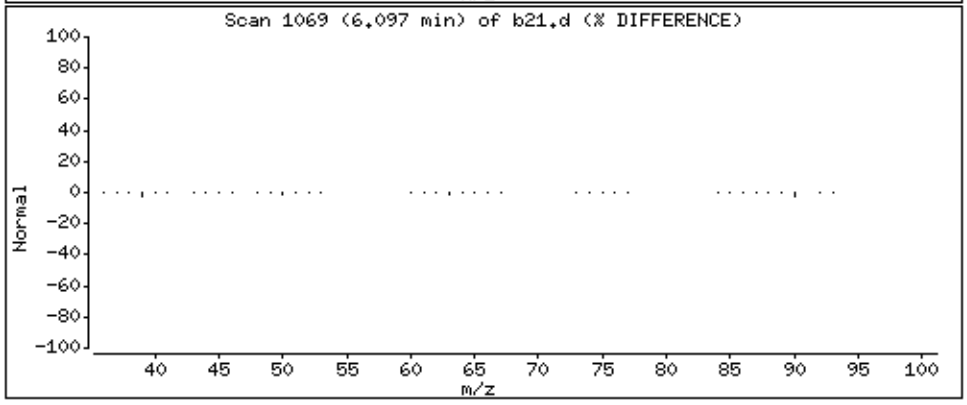












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

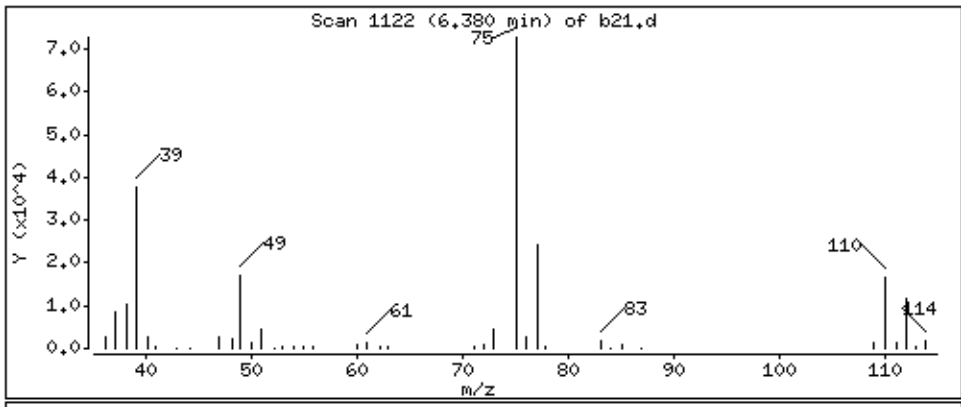
Column phase: DB-624

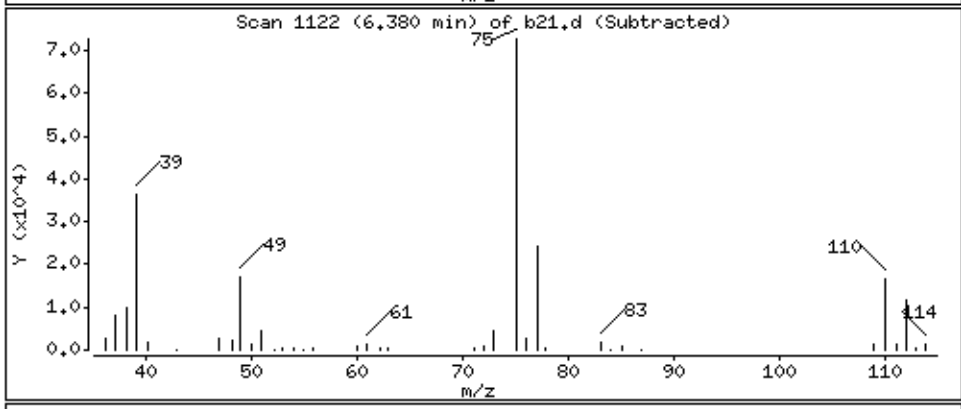
Column diameter: 0.18

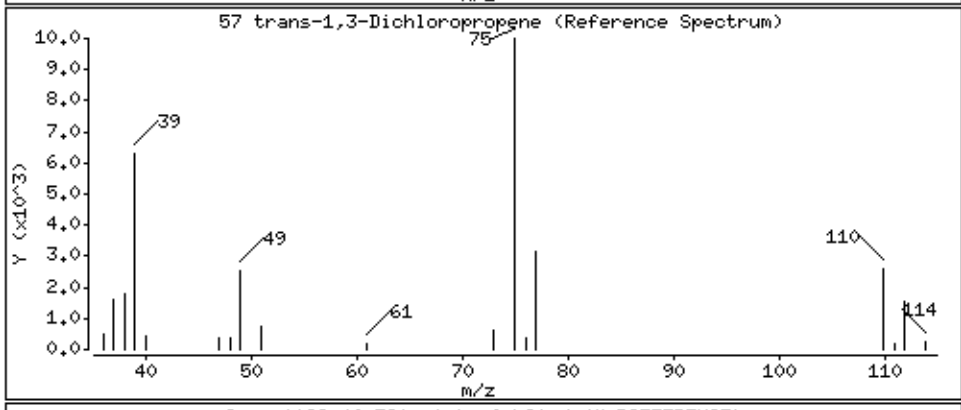
57 trans-1,3-Dichloropropene

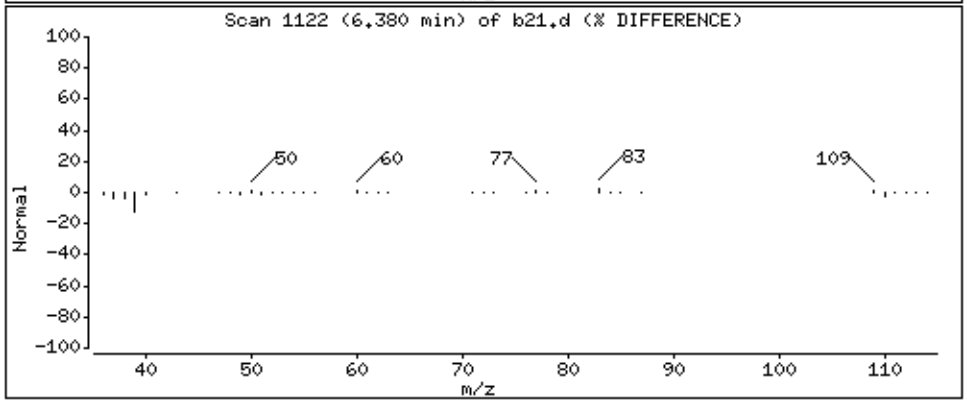
Concentration: 45.9 ppb

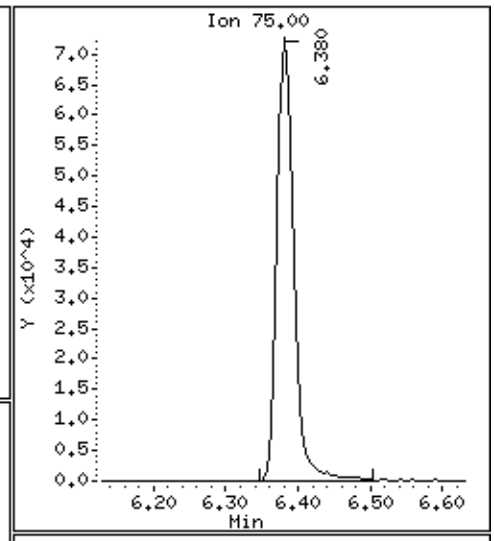
Review Code:

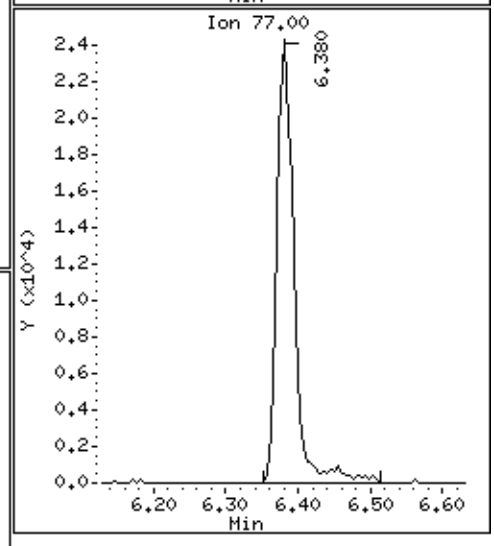












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

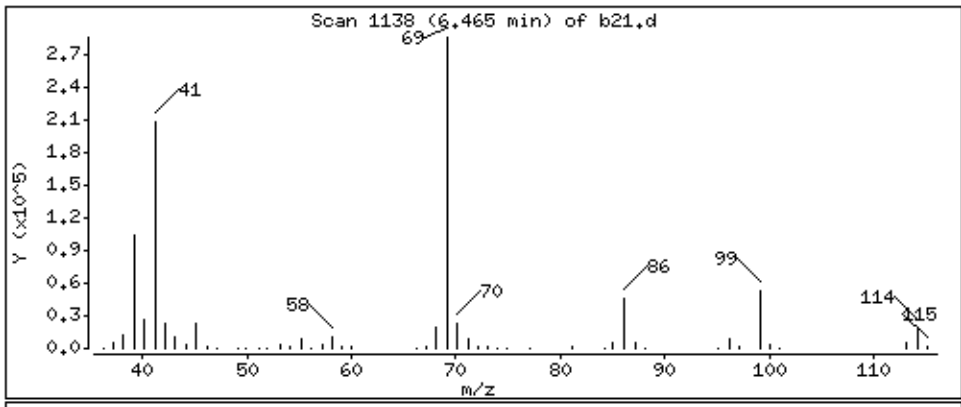
Column phase: DB-624

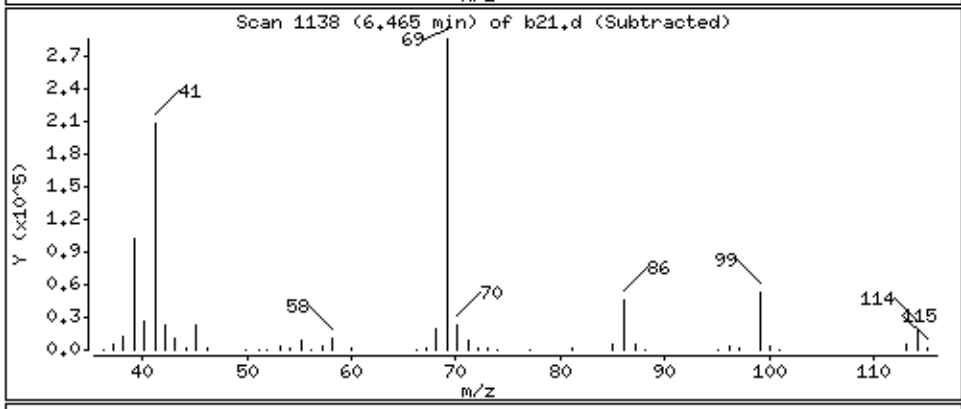
Column diameter: 0.18

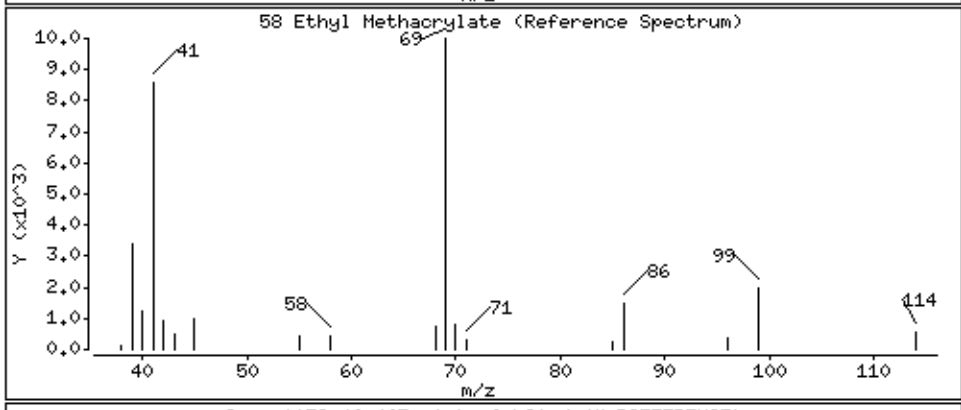
58 Ethyl Methacrylate

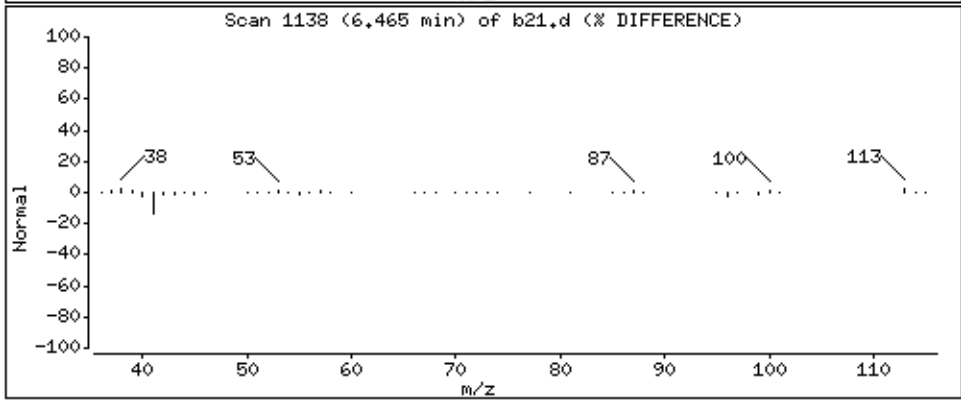
Concentration: 213 ppb

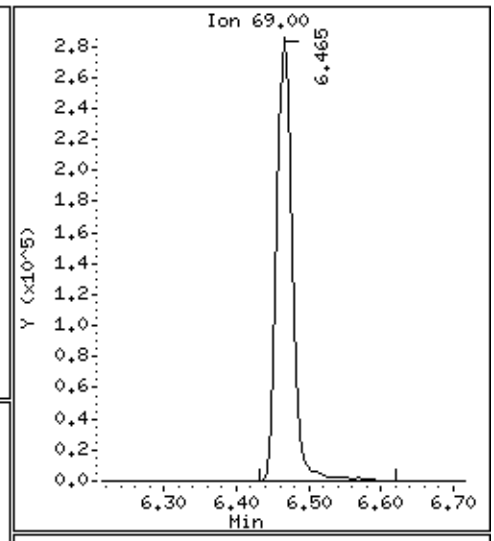
Review Code:

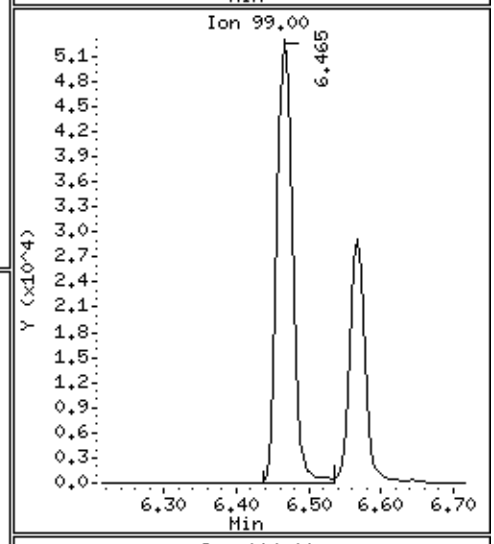


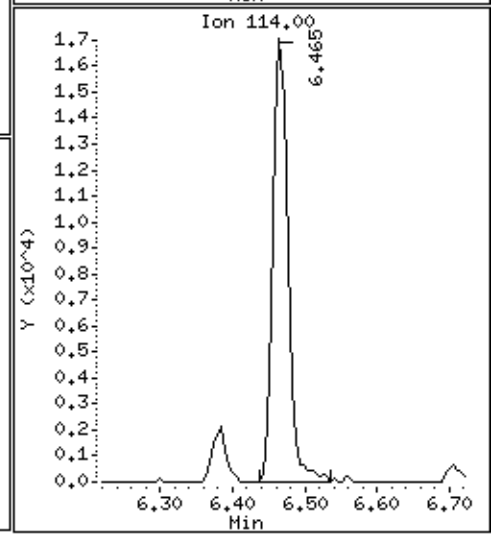












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

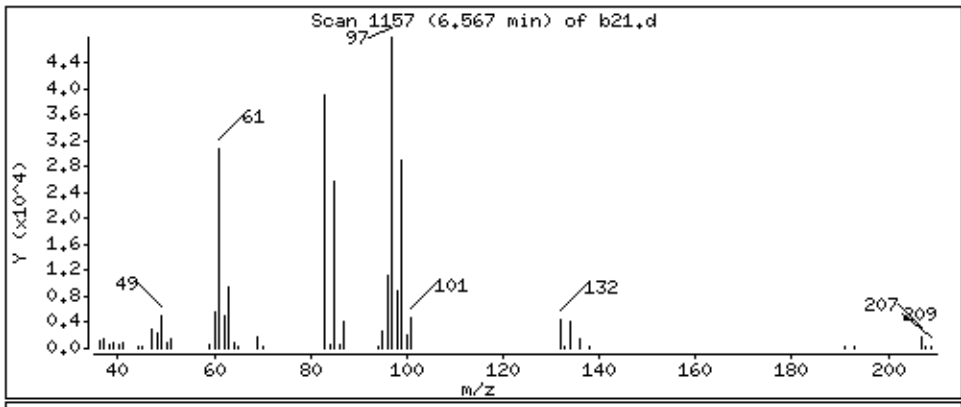
Column phase: DB-624

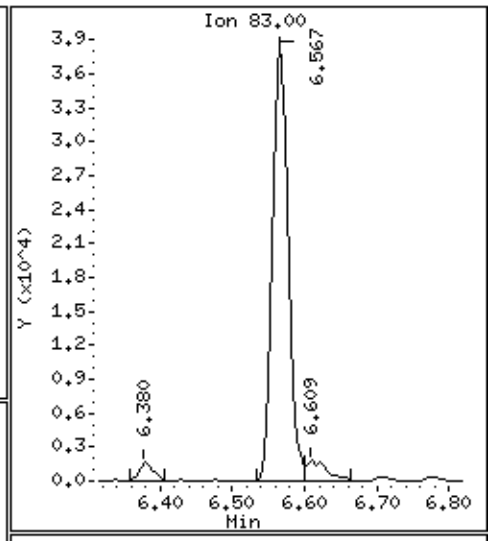
Column diameter: 0.18

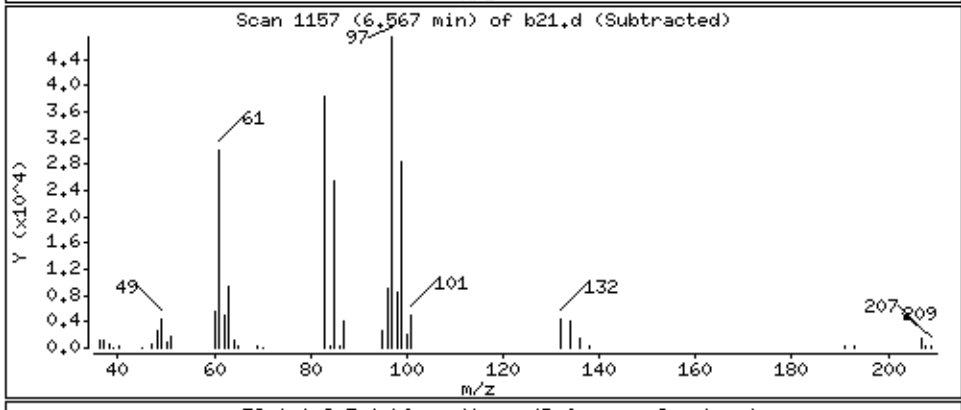
59 1,1,2-Trichloroethane

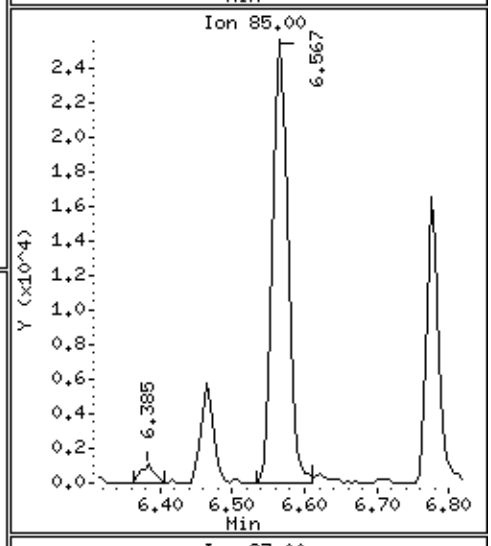
Concentration: 45.7 ppb

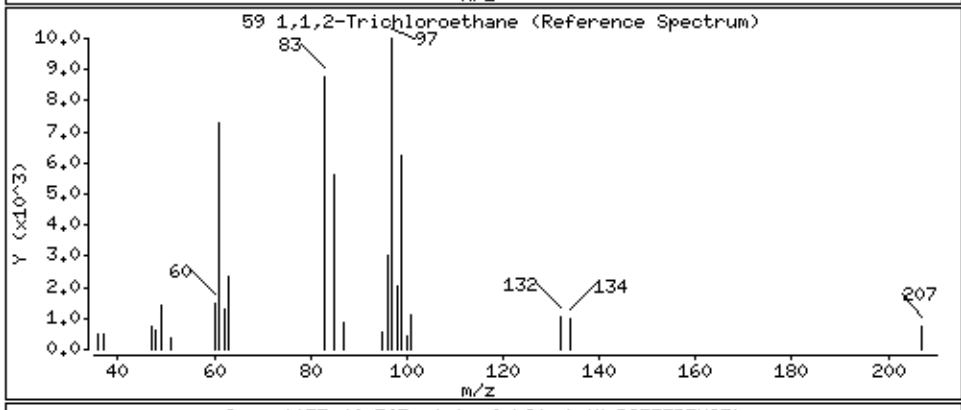
Review Code:

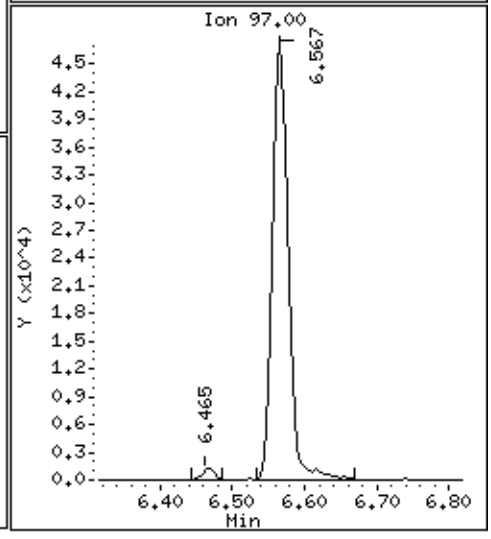


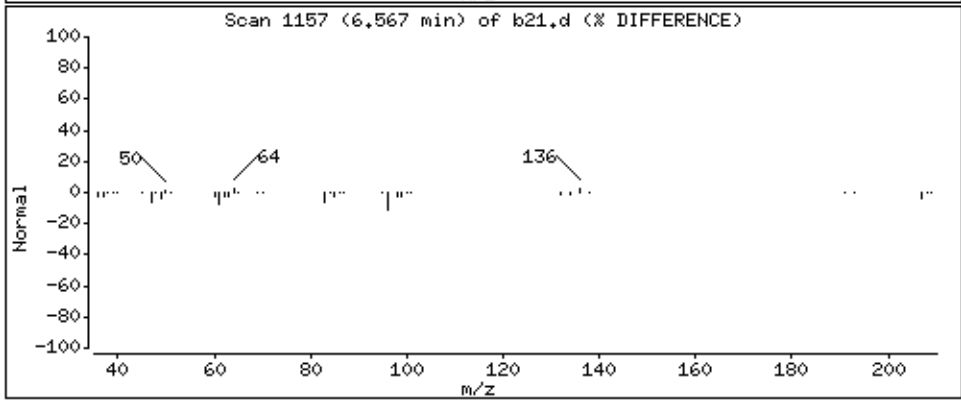












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Page 61

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

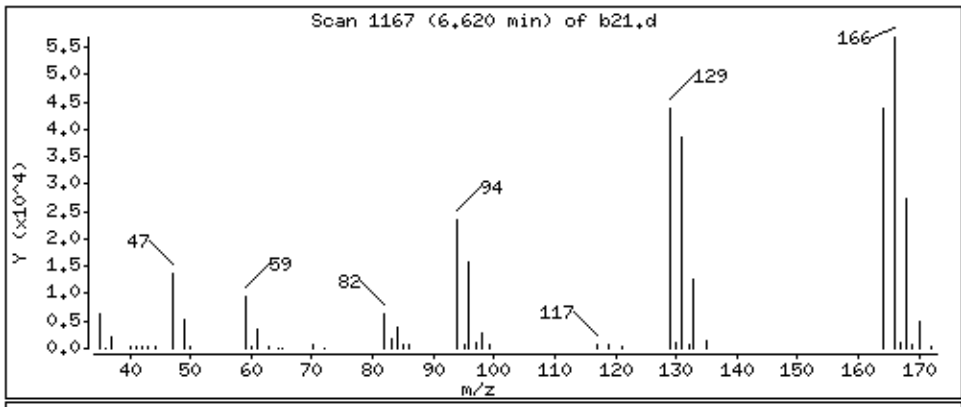
Column phase: DB-624

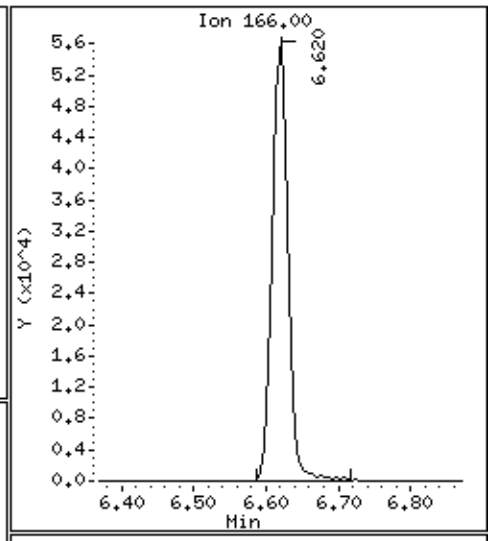
Column diameter: 0.18

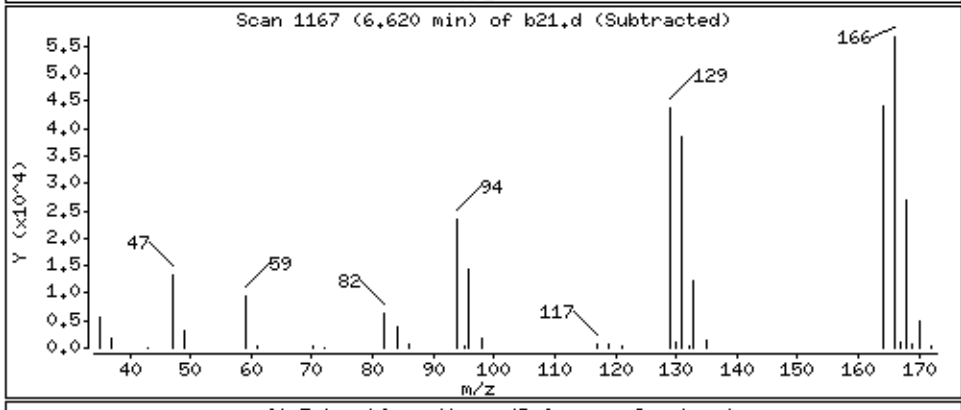
60 Tetrachloroethene

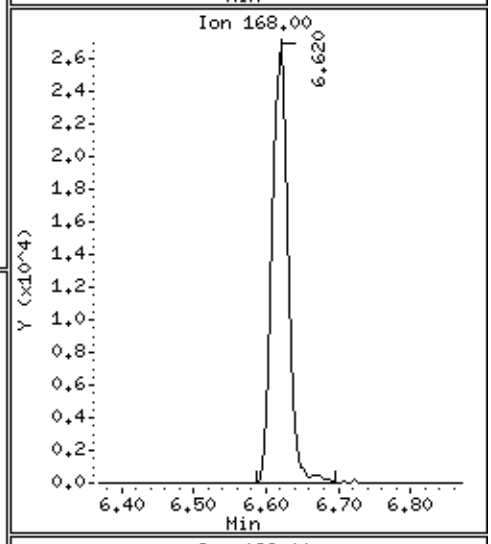
Concentration: 33.4 ppb

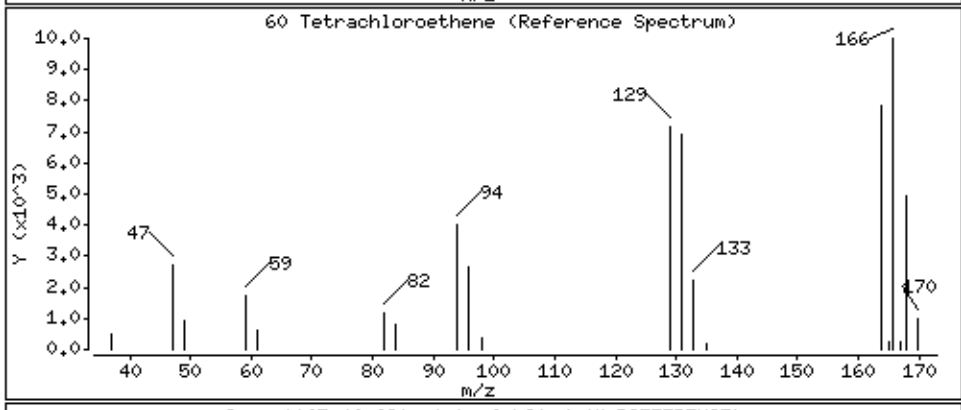
Review Code:

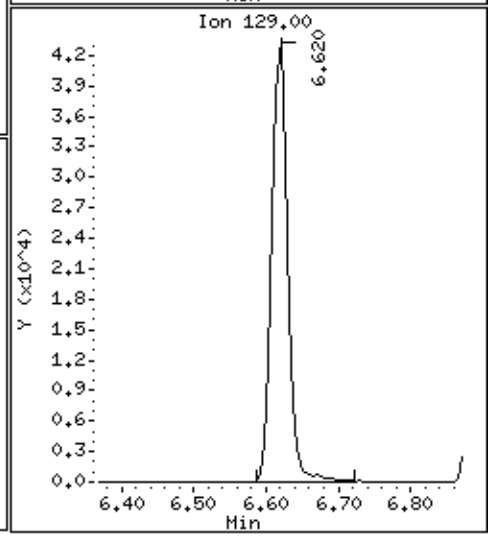


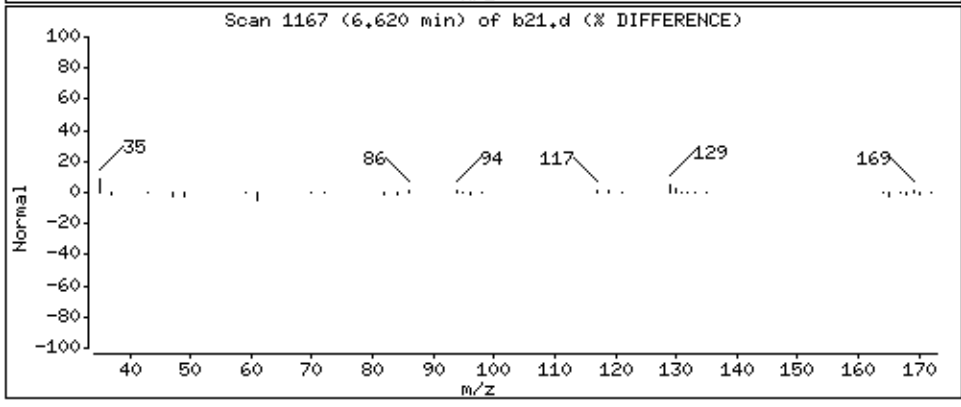












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

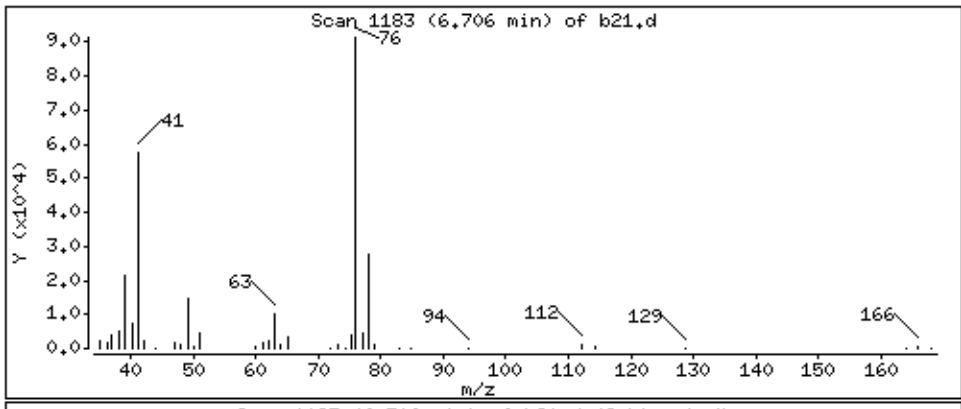
Column phase: DB-624

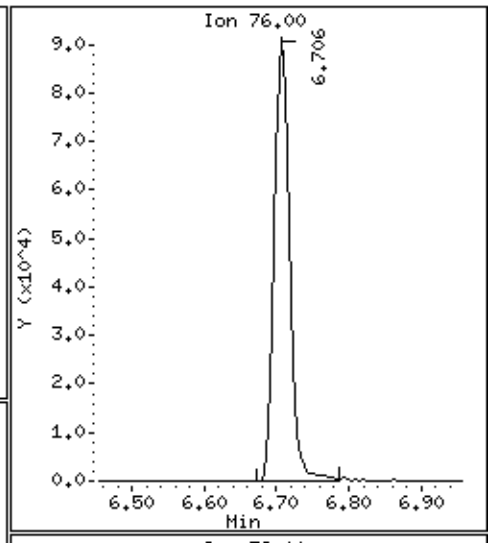
Column diameter: 0.18

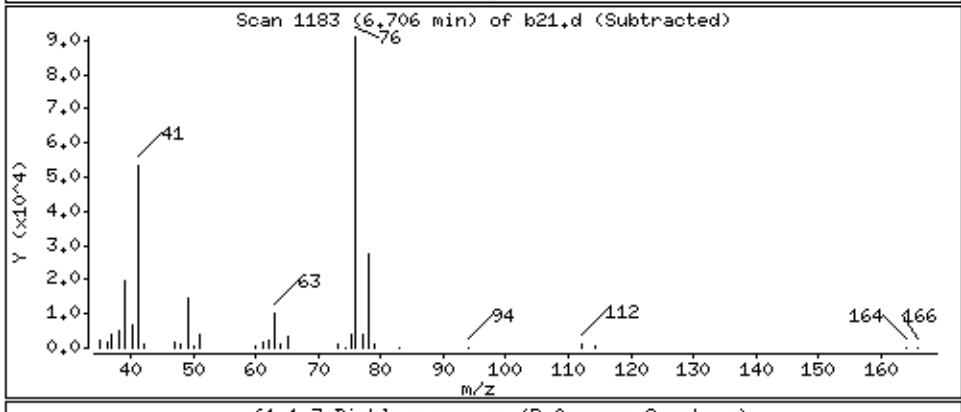
61 1,3-Dichloropropane

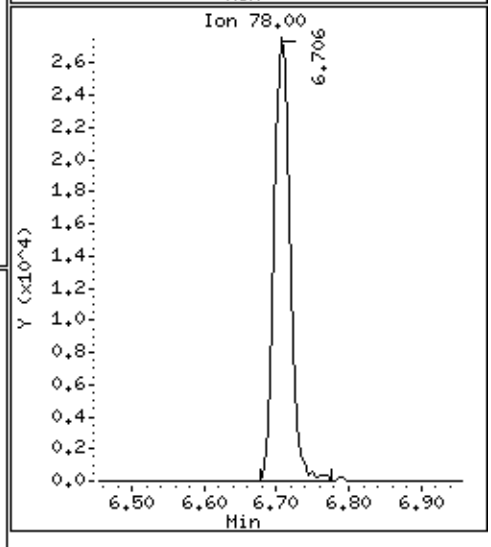
Concentration: 49.3 ppb

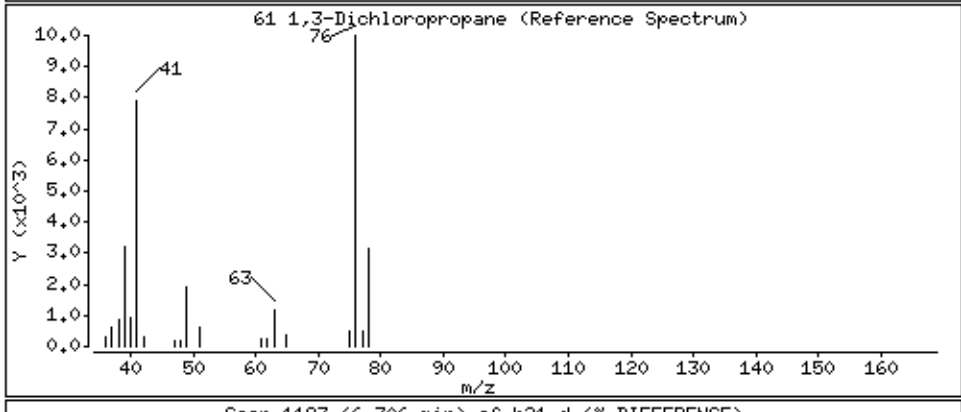
Review Code:

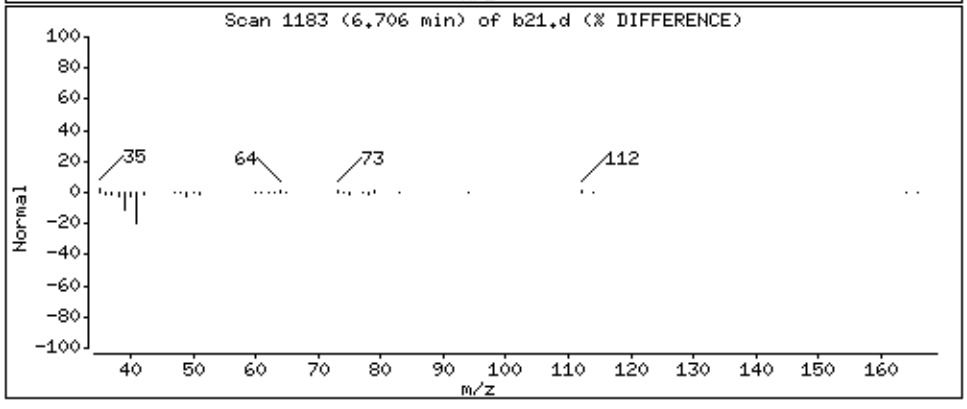












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

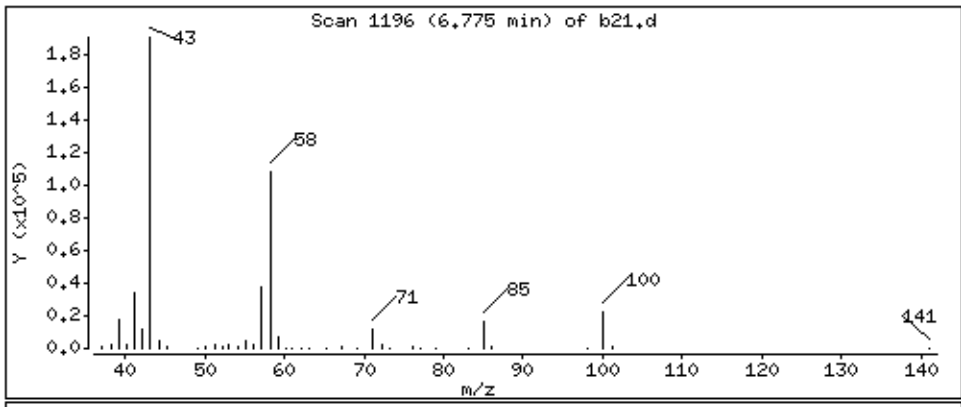
Column phase: DB-624

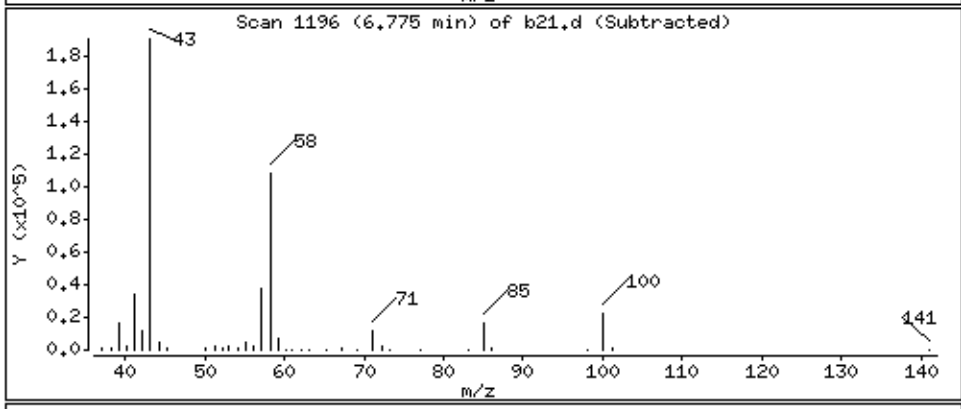
Column diameter: 0.18

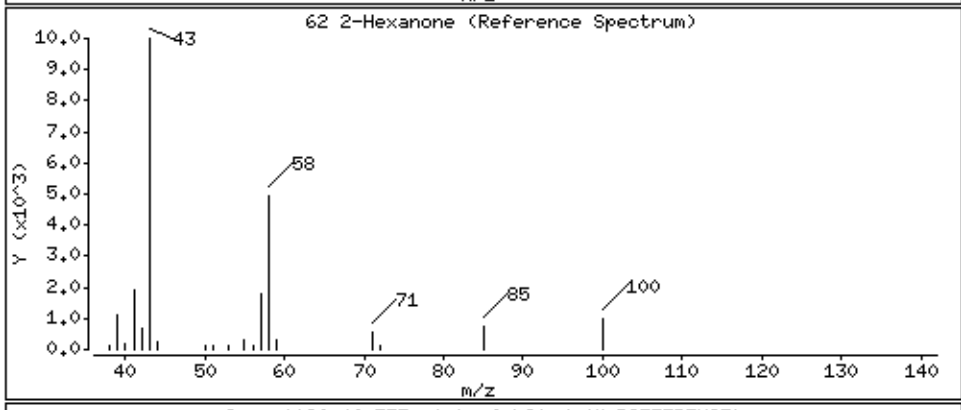
62 2-Hexanone

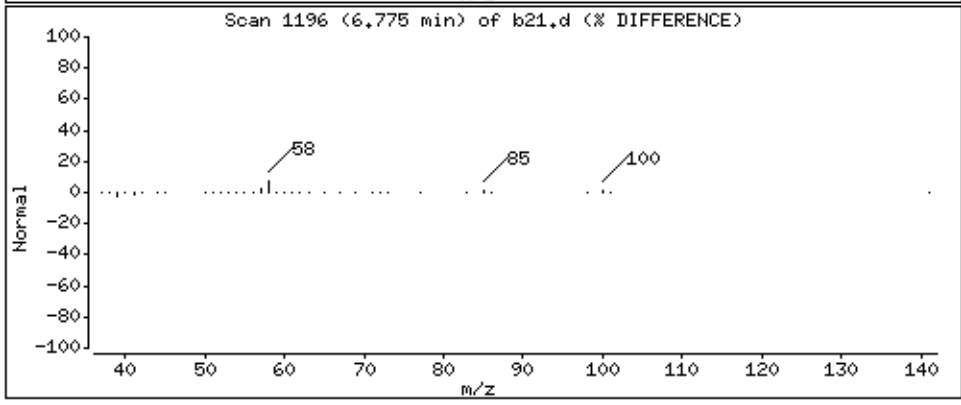
Concentration: 270 ppb

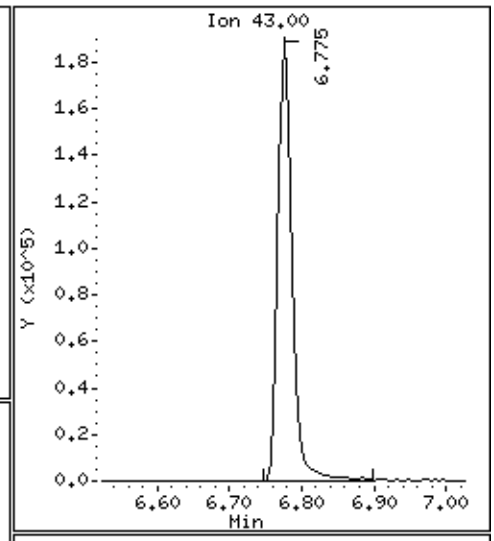
Review Code:

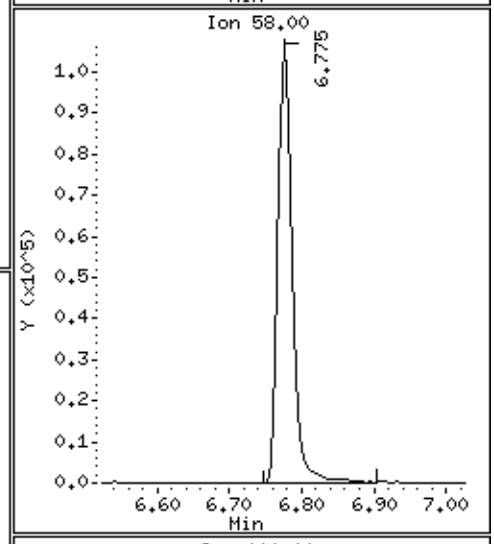


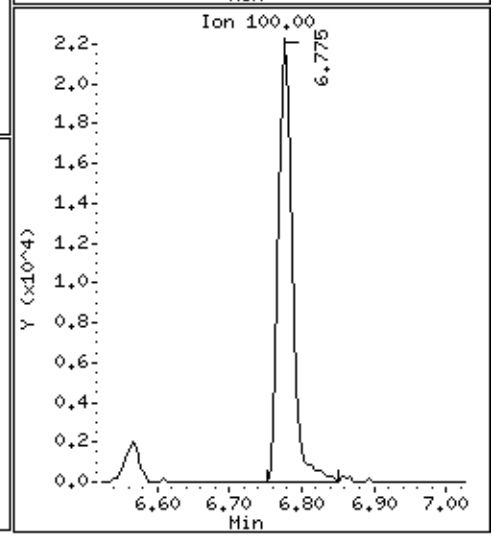












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

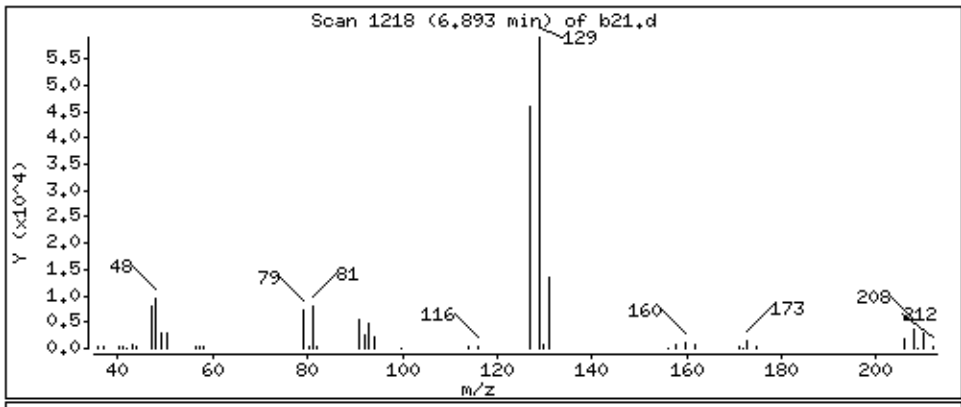
Column phase: DB-624

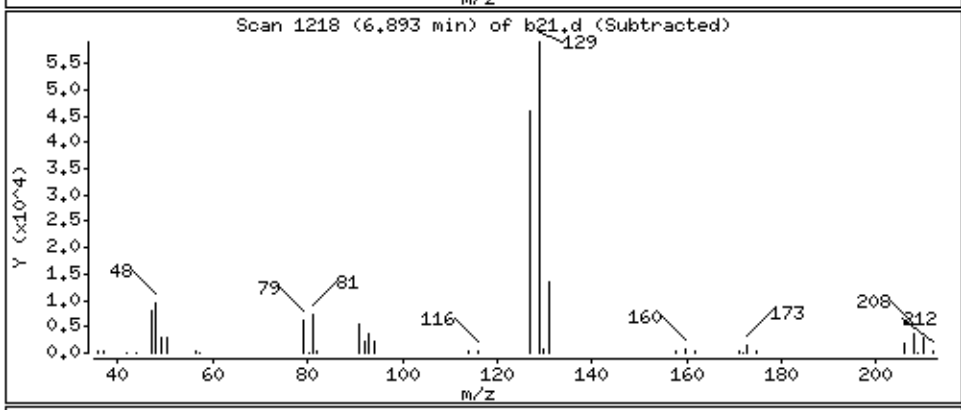
Column diameter: 0.18

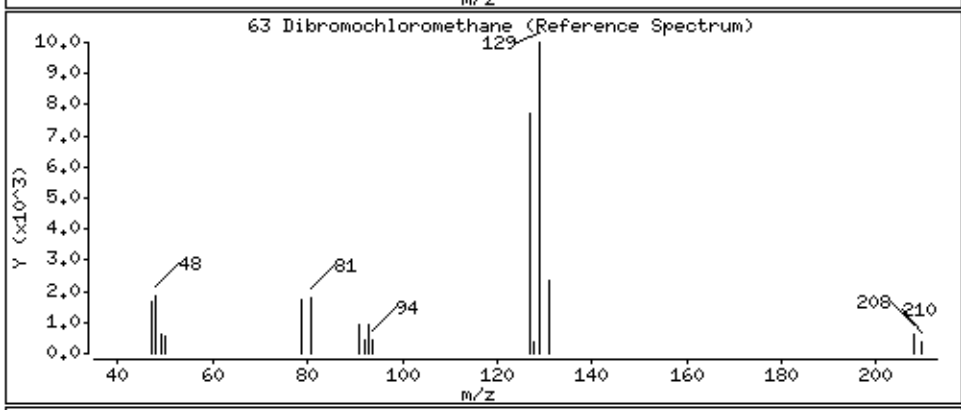
63 Dibromochloromethane

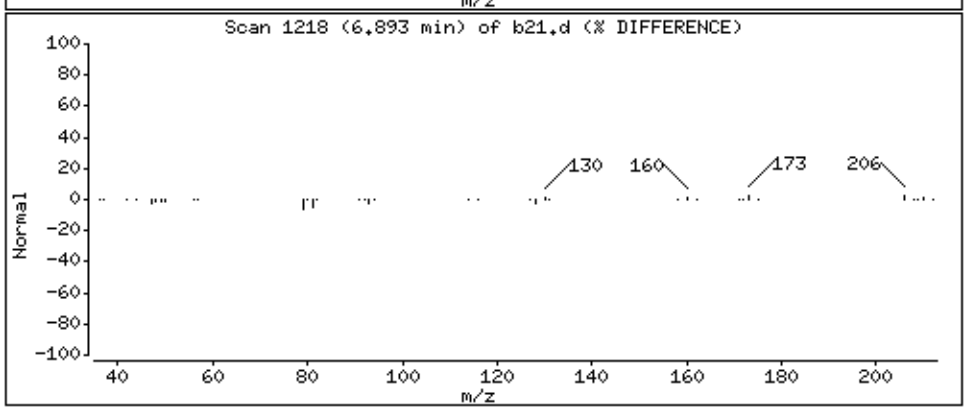
Concentration: 44.8 ppb

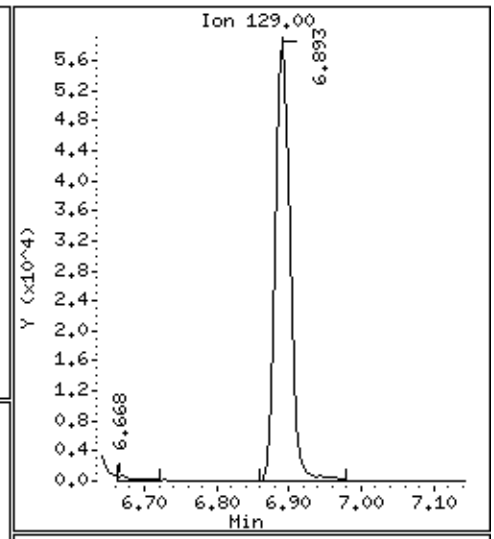
Review Code:

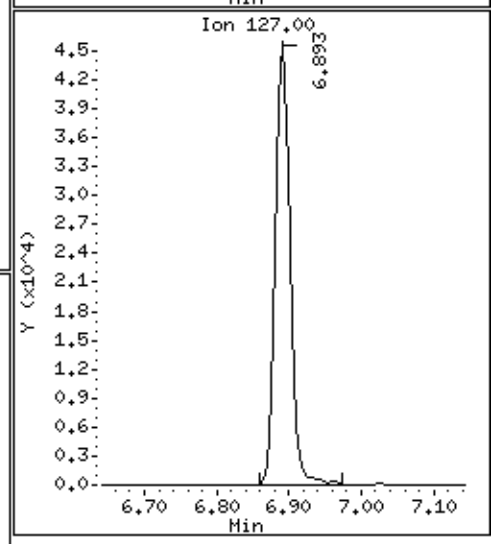












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

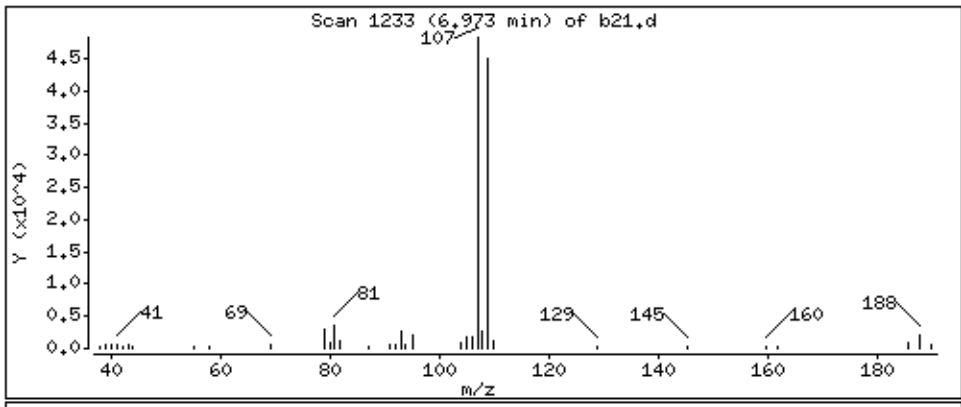
Column phase: DB-624

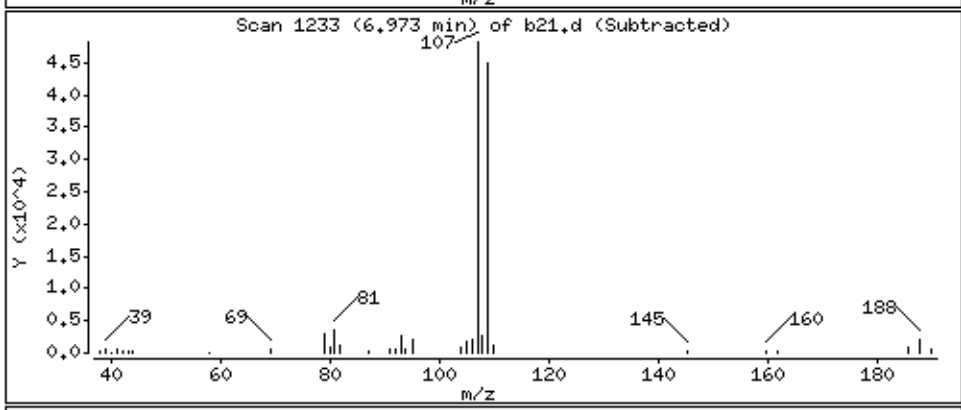
Column diameter: 0.18

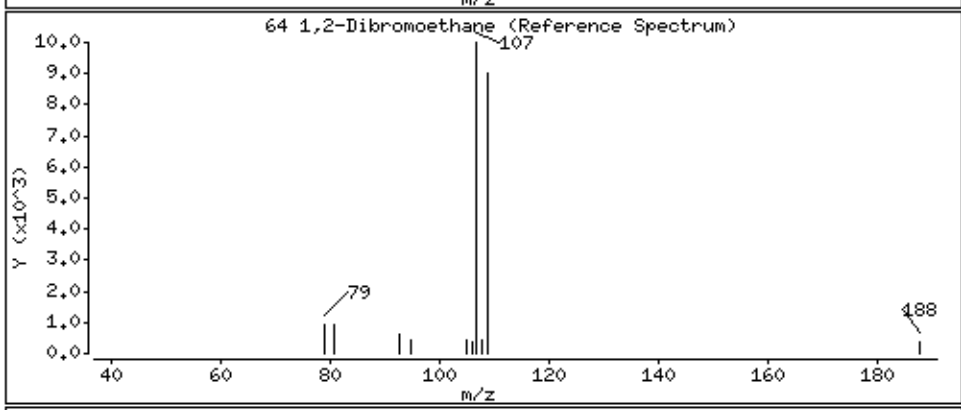
64 1,2-Dibromoethane

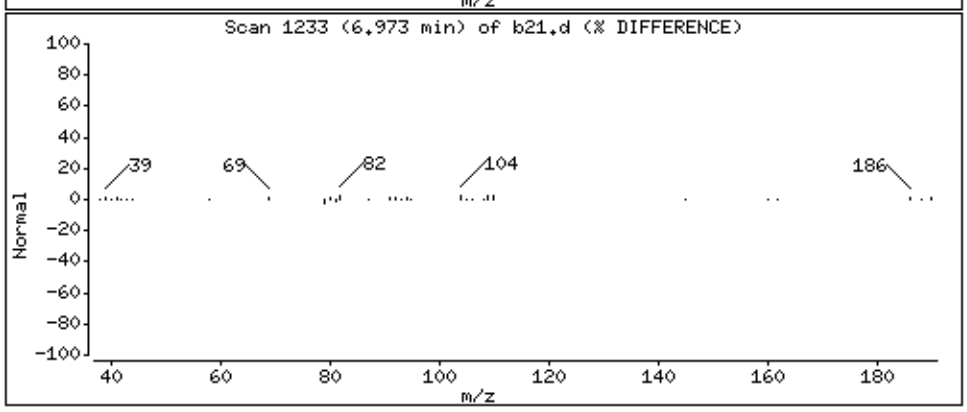
Concentration: 47.4 ppb

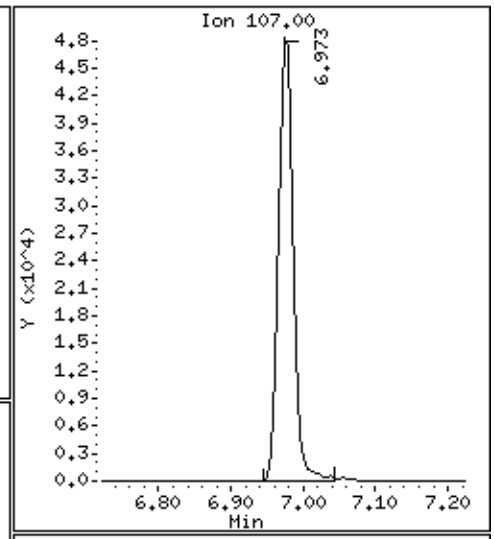
Review Code:

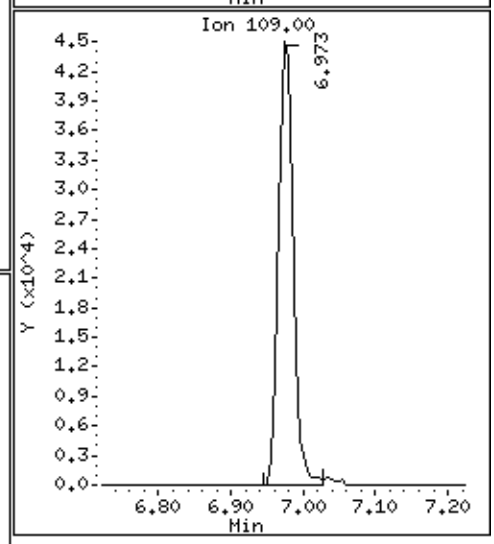












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

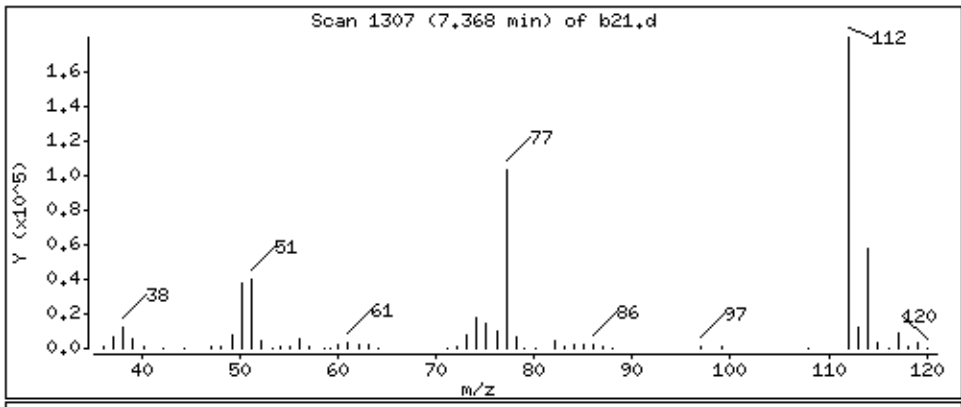
Column phase: DB-624

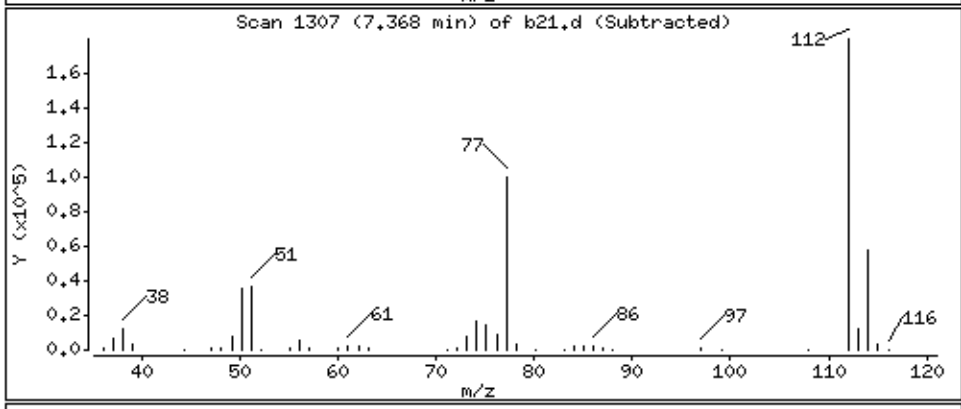
Column diameter: 0.18

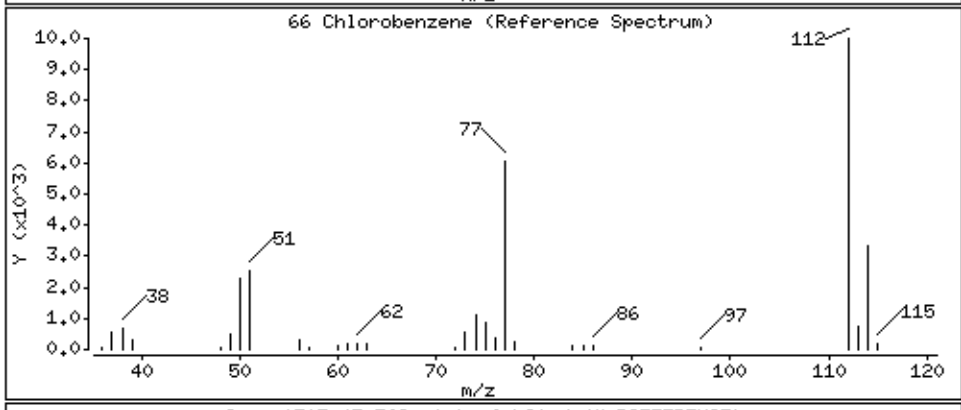
66 Chlorobenzene

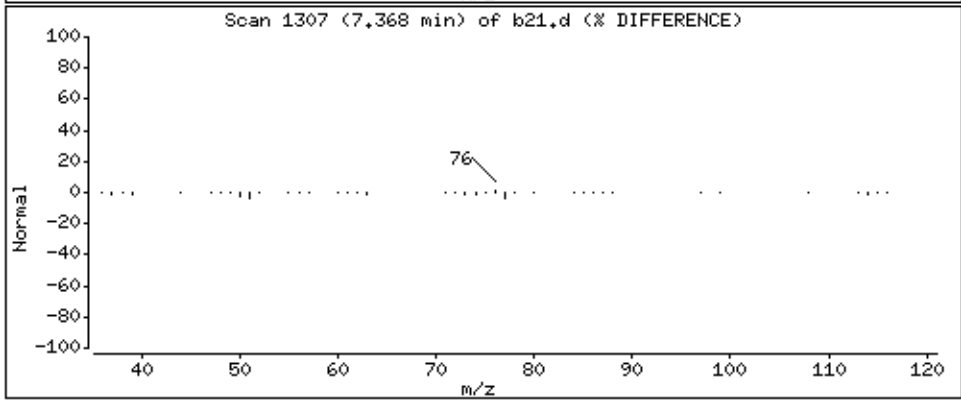
Concentration: 35.0 ppb

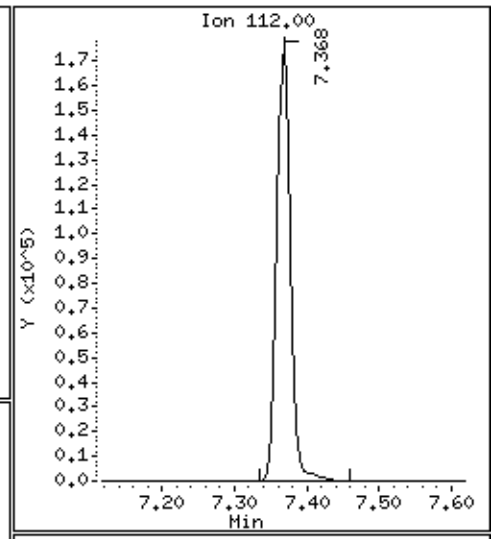
Review Code:

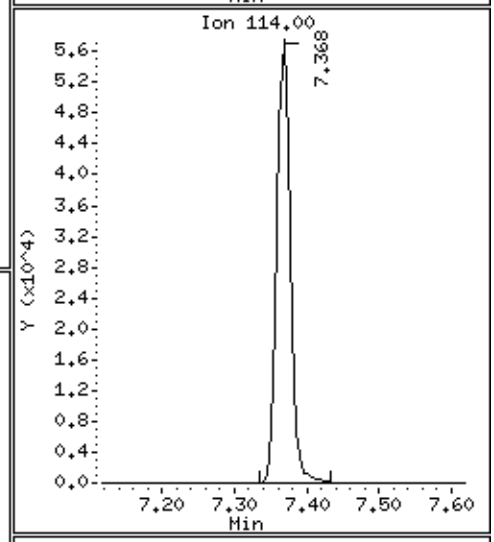


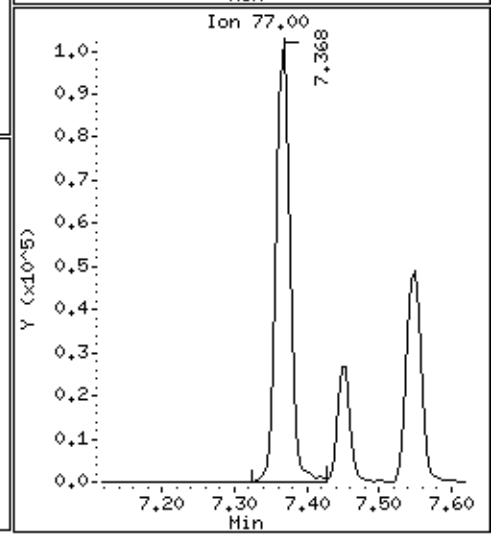












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

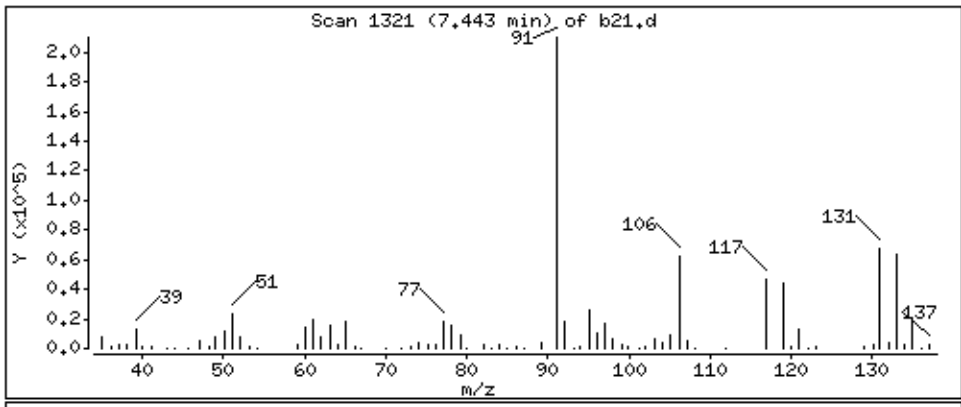
Column phase: DB-624

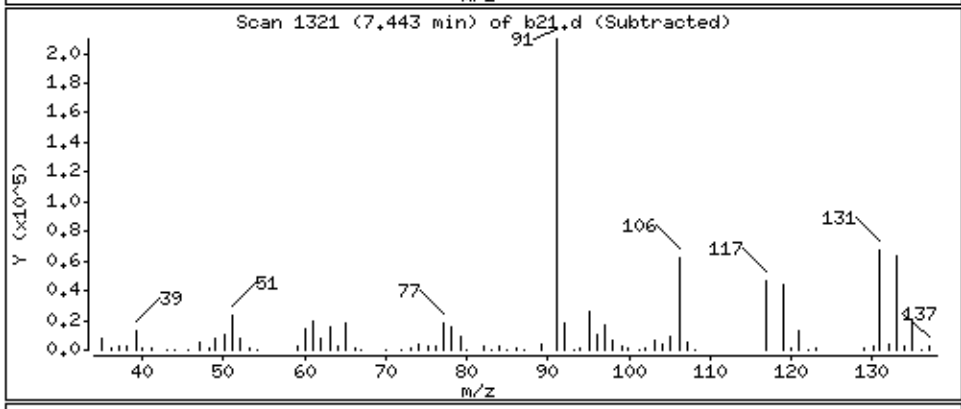
Column diameter: 0.18

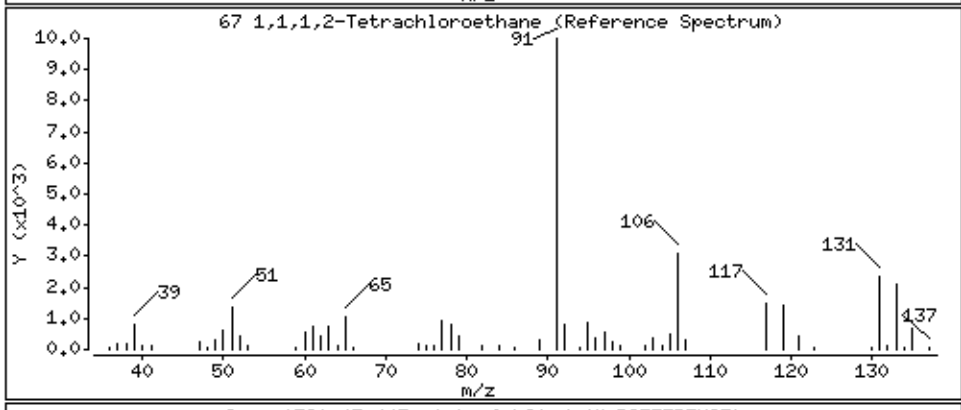
67 1,1,1,2-Tetrachloroethane

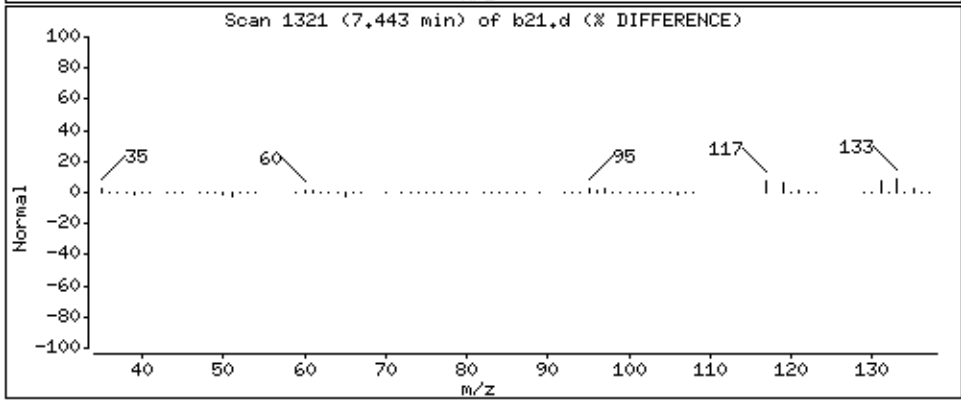
Concentration: 42.7 ppb

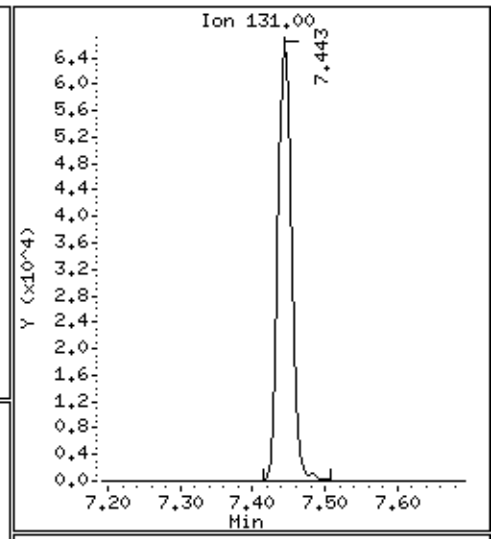
Review Code:

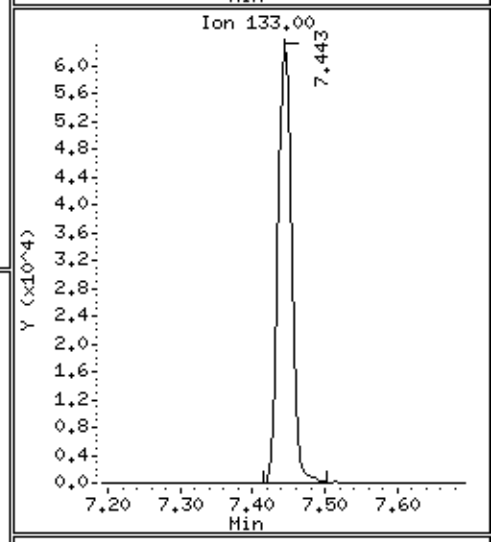


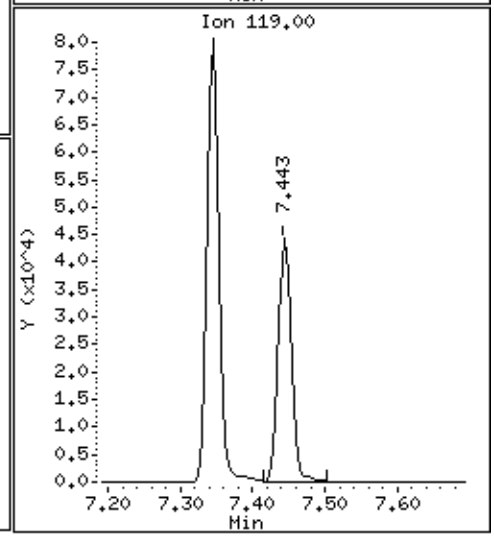












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

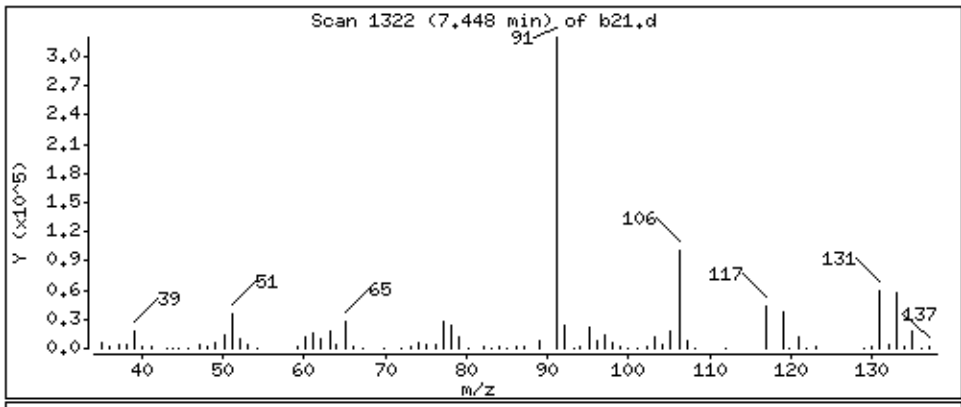
Column phase: DB-624

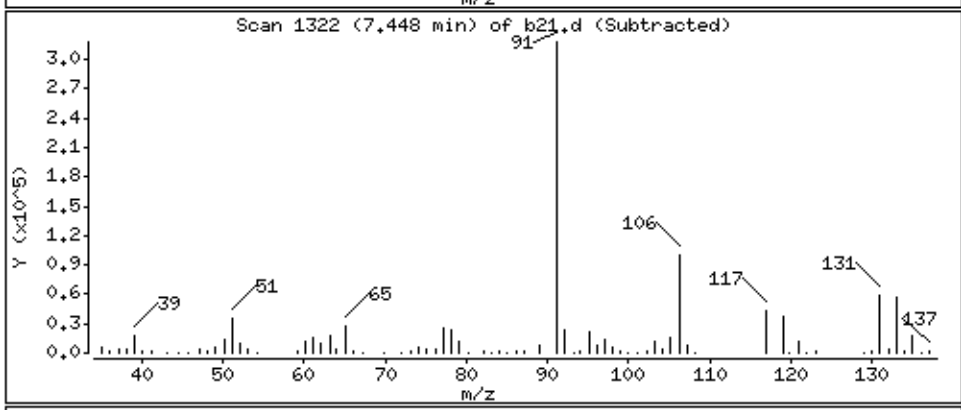
Column diameter: 0.18

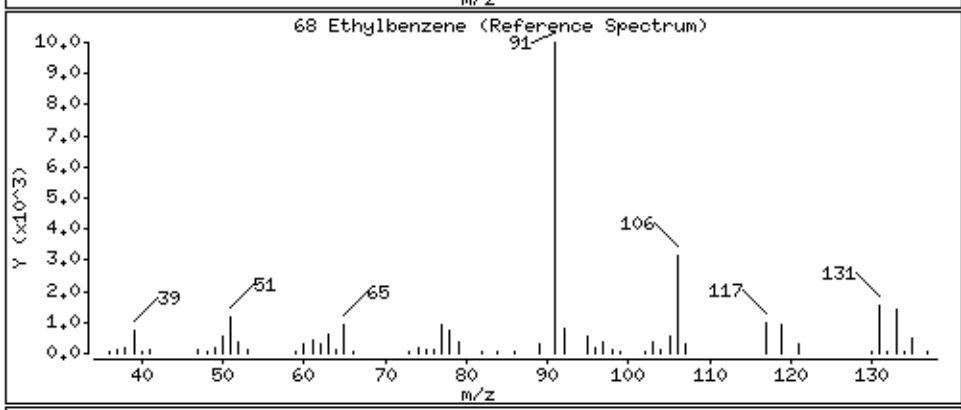
68 Ethylbenzene

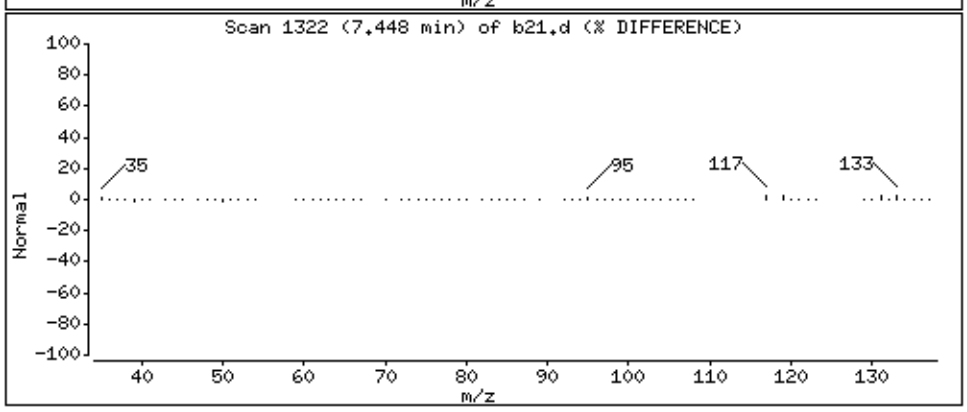
Concentration: 35.6 ppb

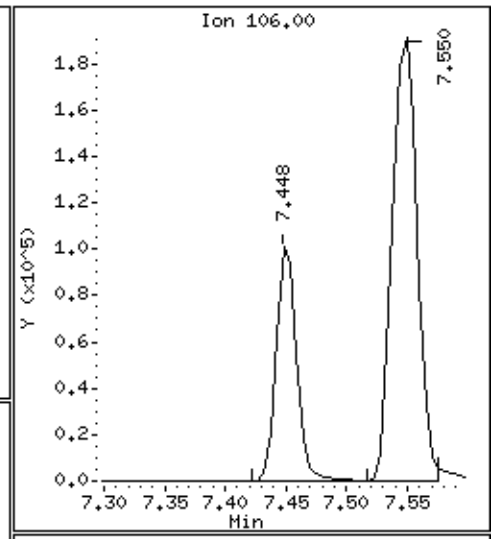
Review Code:

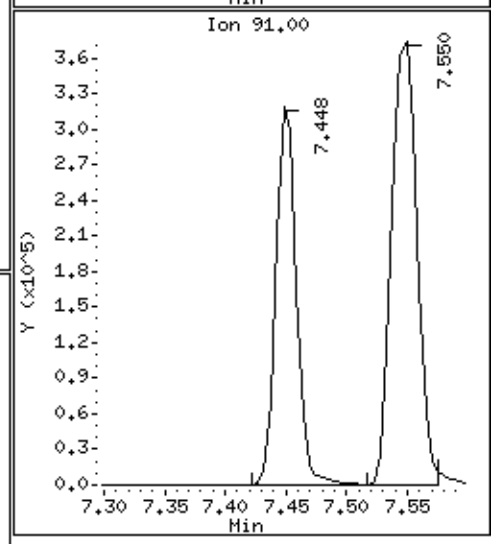












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

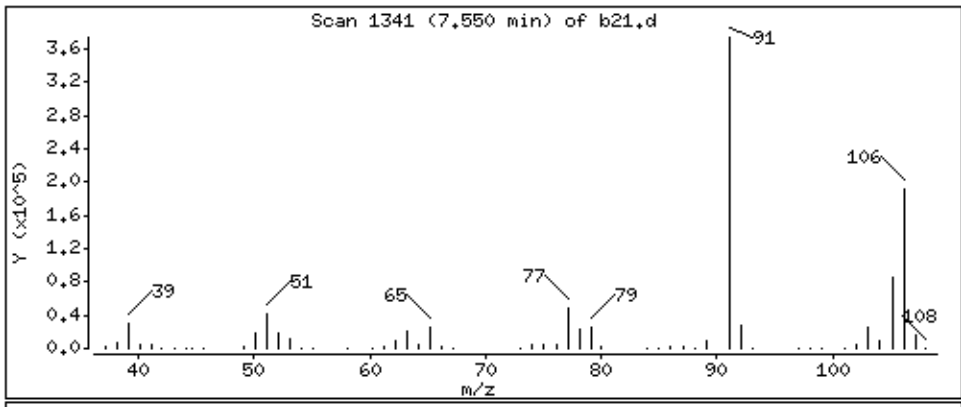
Column phase: DB-624

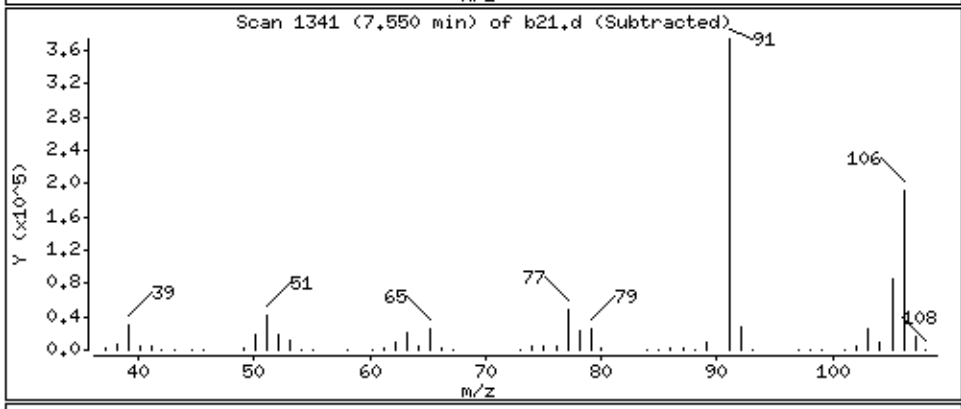
Column diameter: 0.18

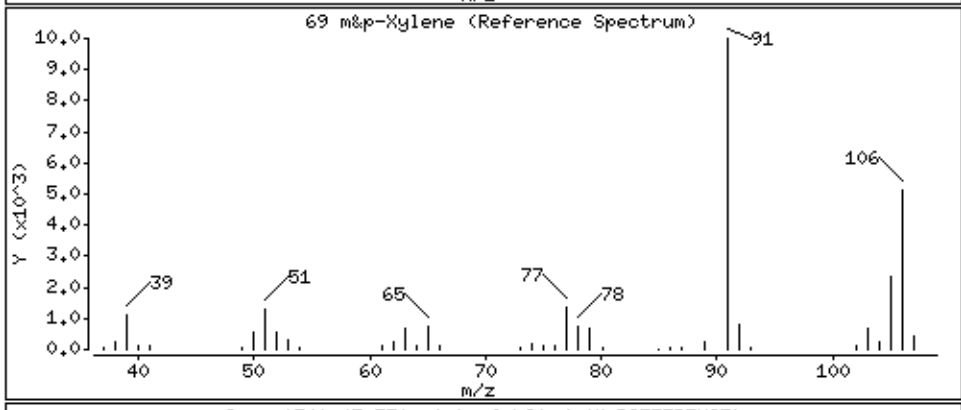
69 m&p-Xylene

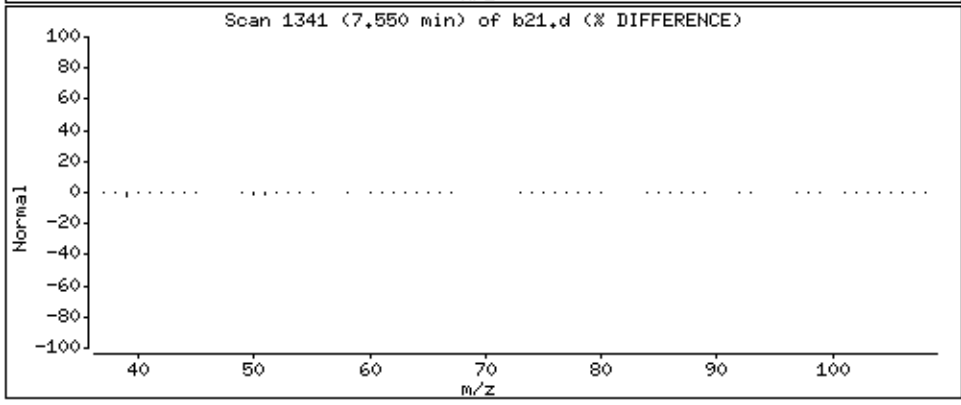
Concentration: 67.8 ppb

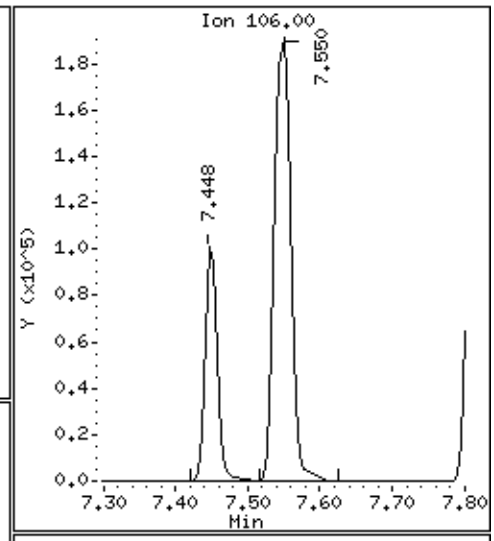
Review Code:

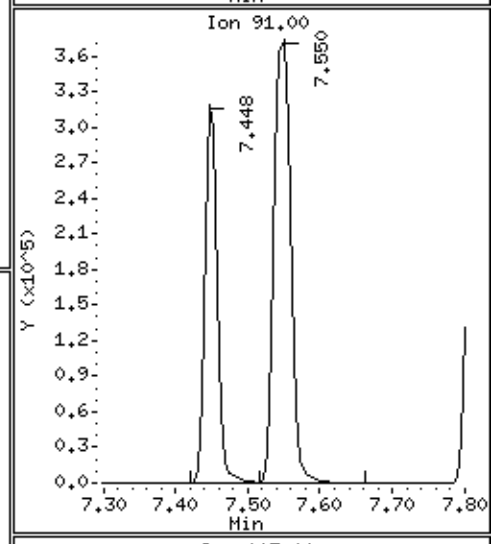


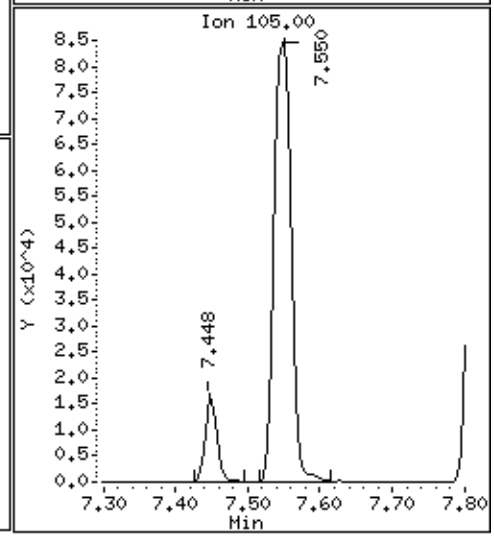












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

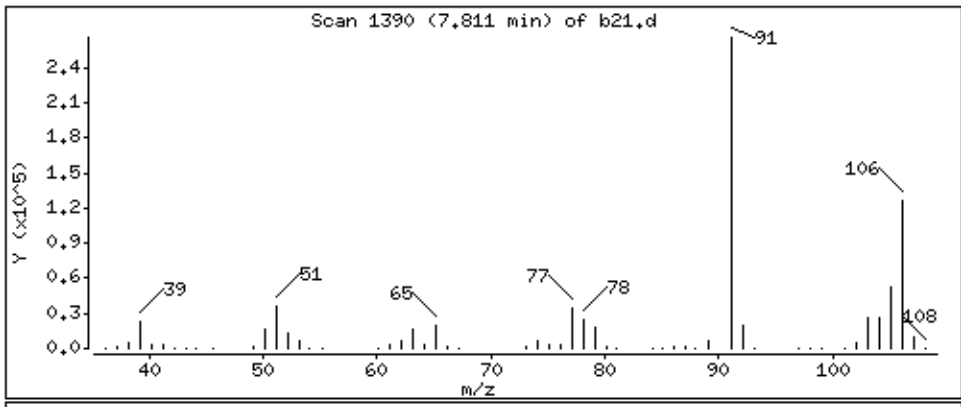
Column phase: DB-624

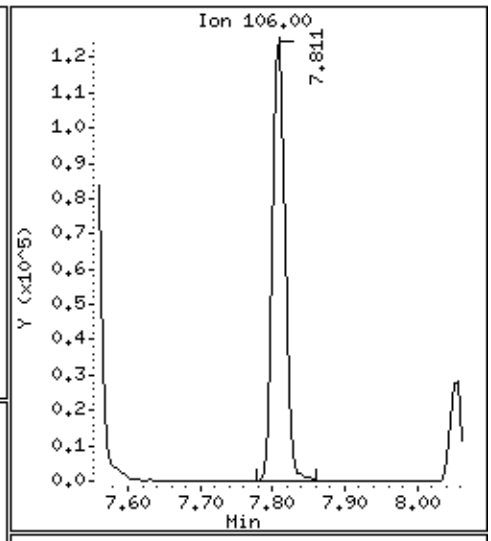
Column diameter: 0.18

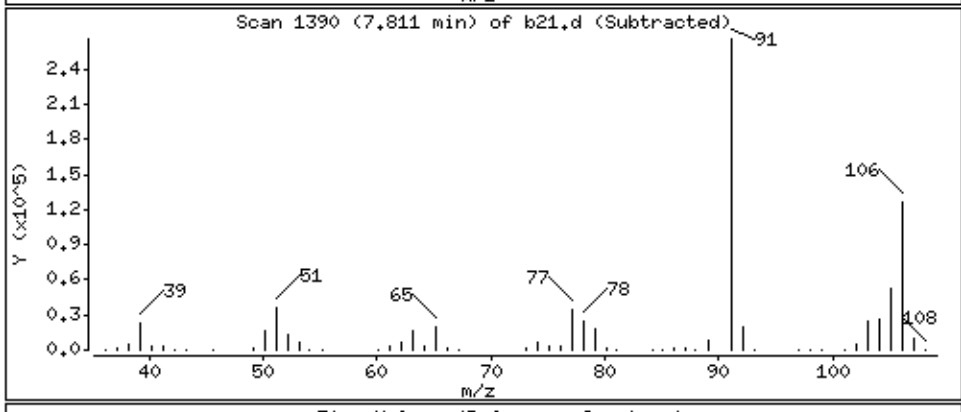
70 o-Xylene

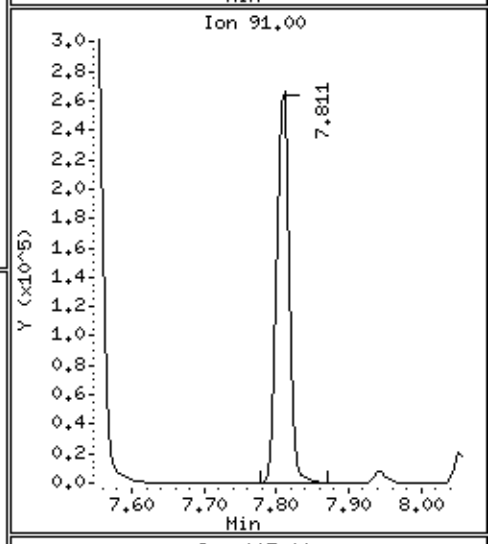
Concentration: 36.8 ppb

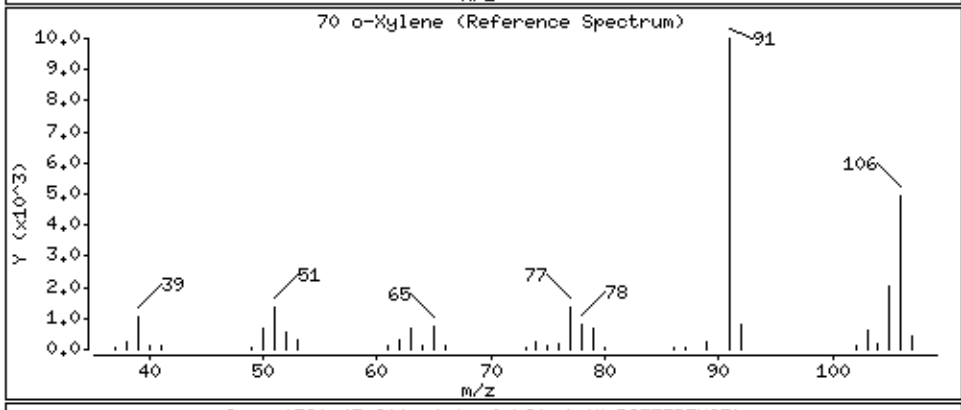
Review Code:

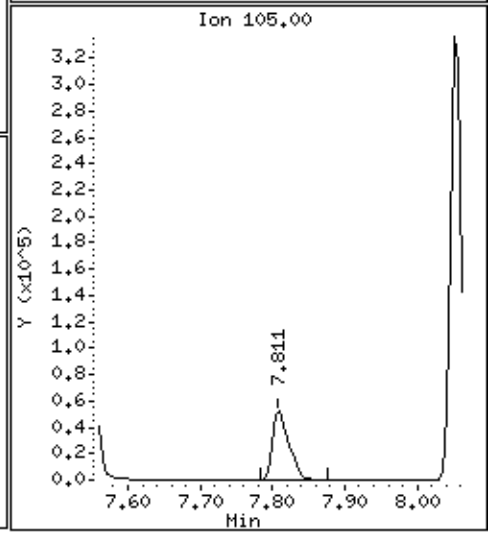


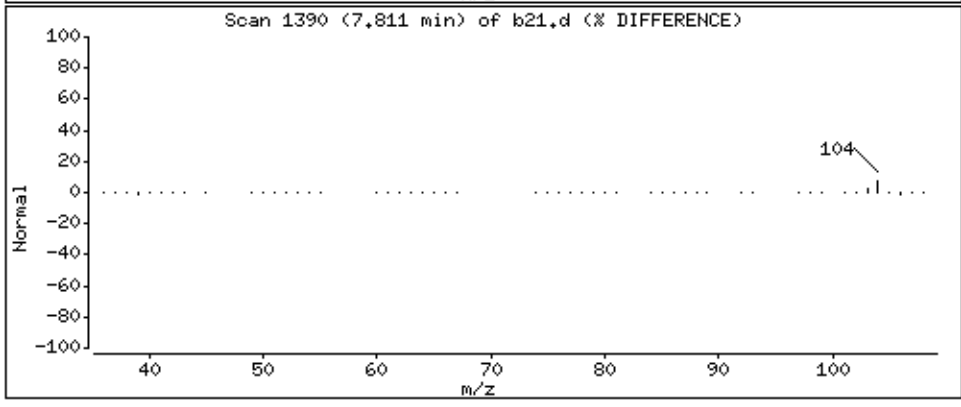












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

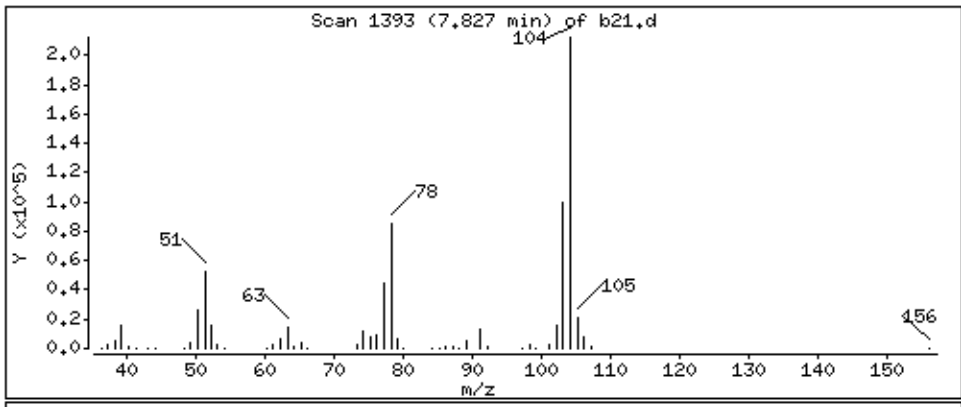
Column phase: DB-624

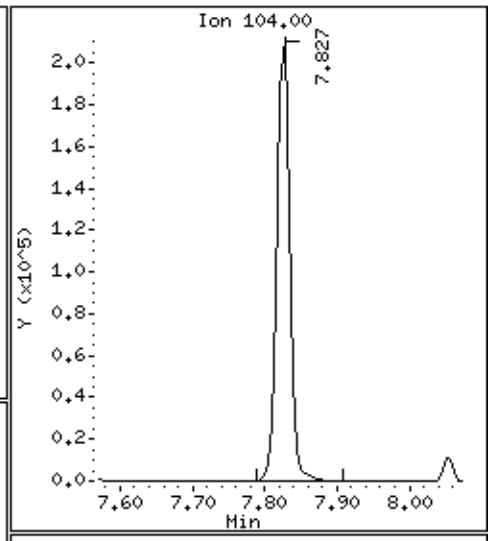
Column diameter: 0.18

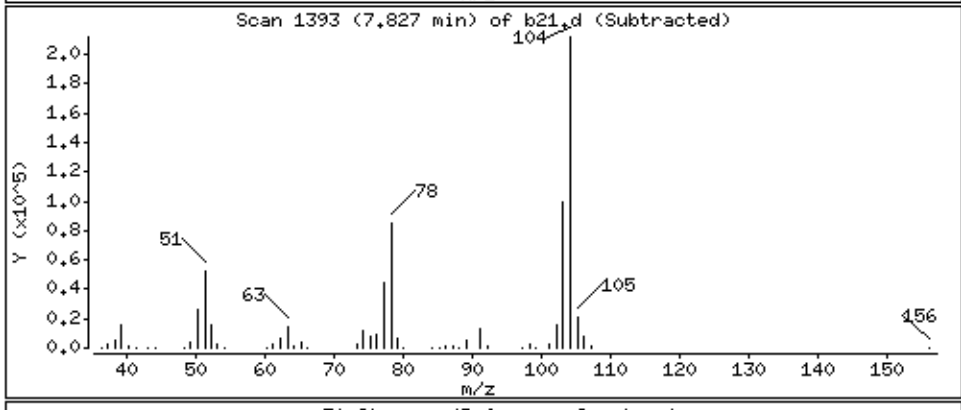
71 Styrene

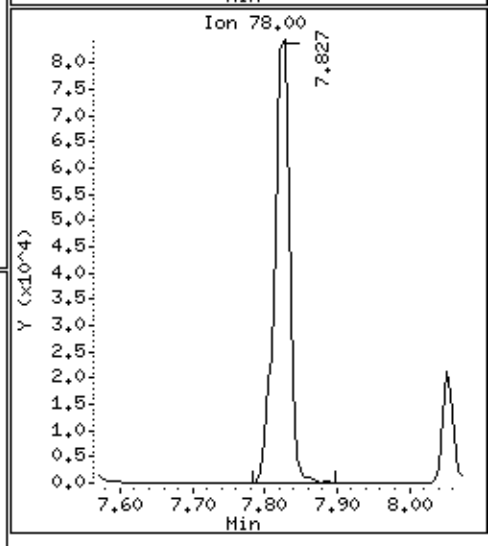
Concentration: 37.0 ppb

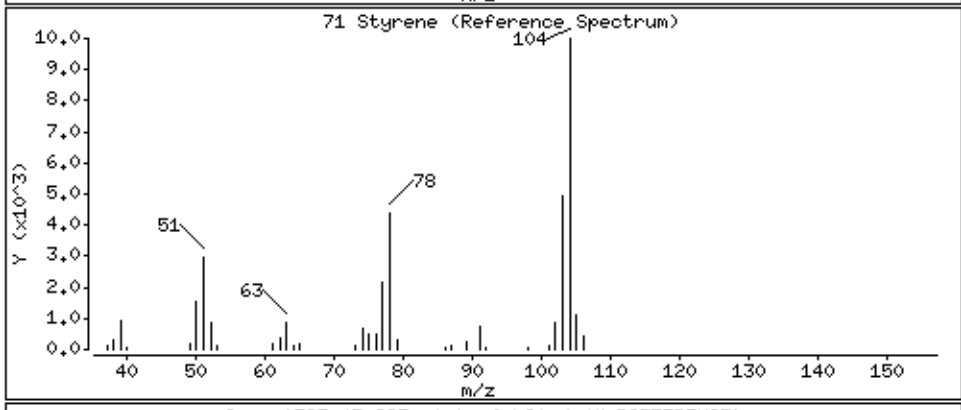
Review Code:

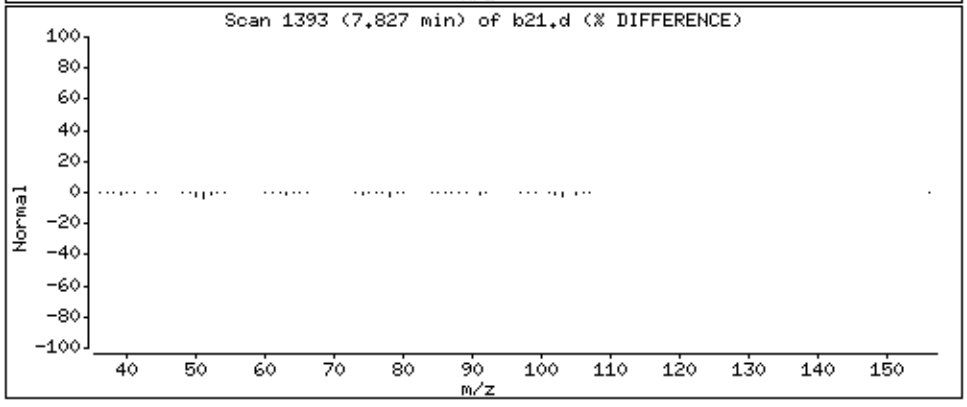












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

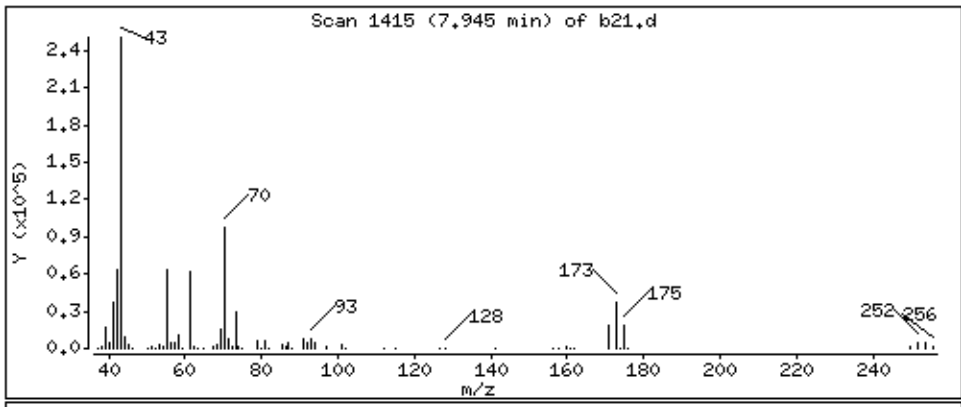
Column phase: DB-624

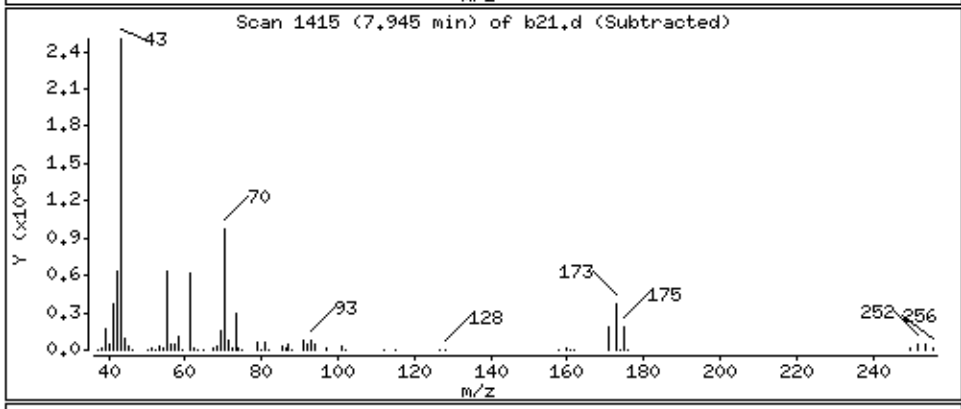
Column diameter: 0.18

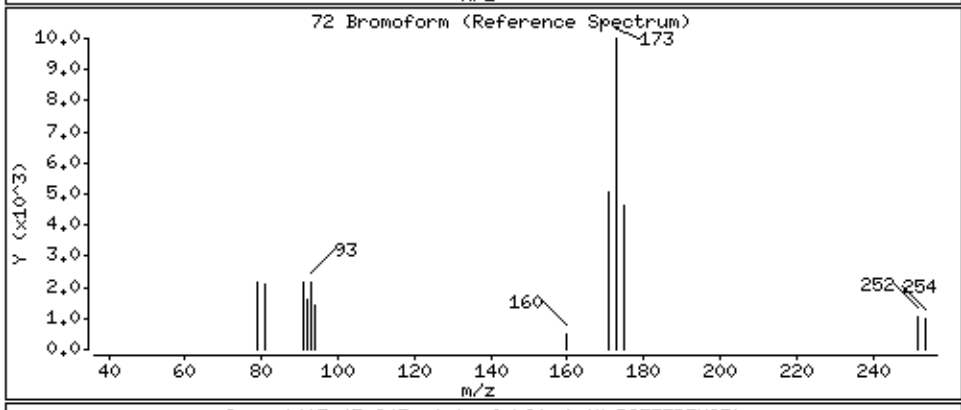
72 Bromoform

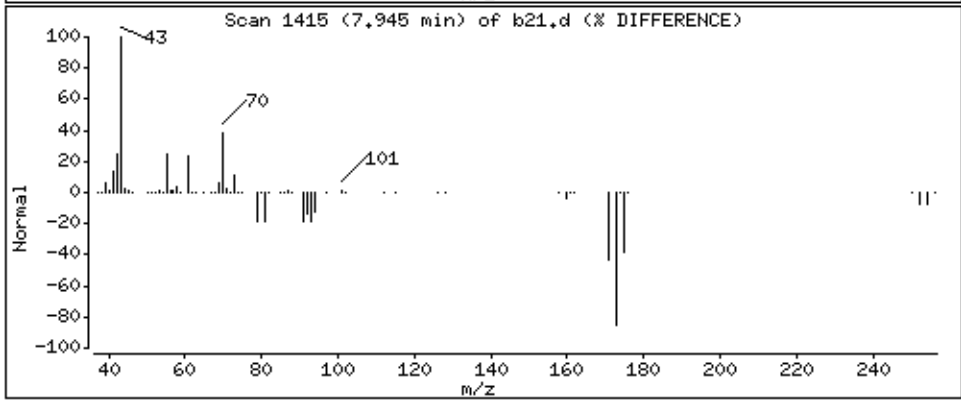
Concentration: 43.6 ppb

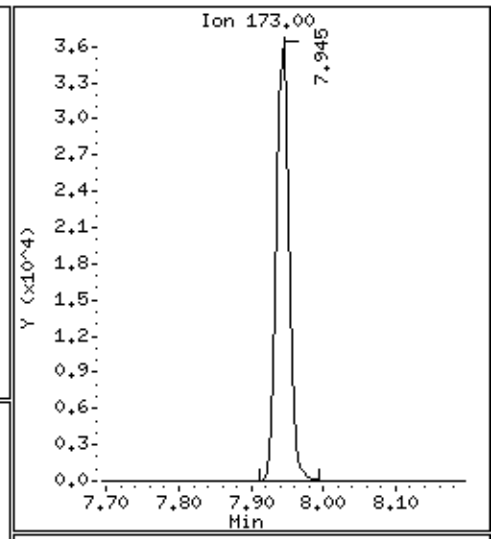
Review Code:

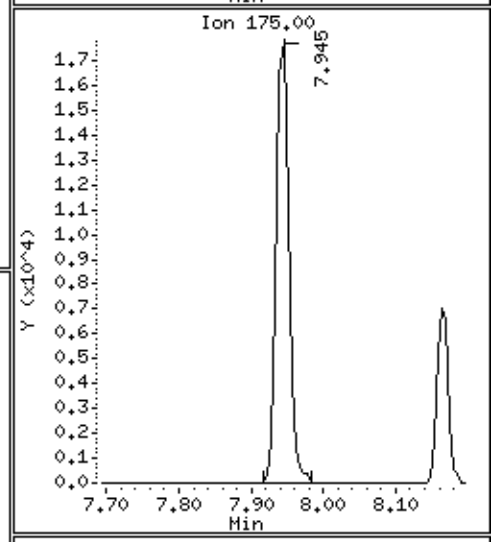


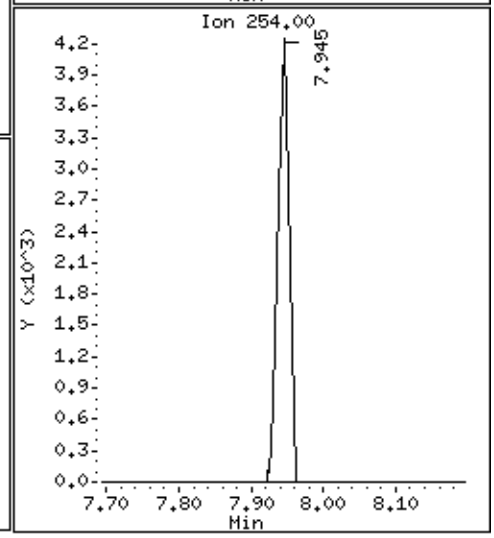












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

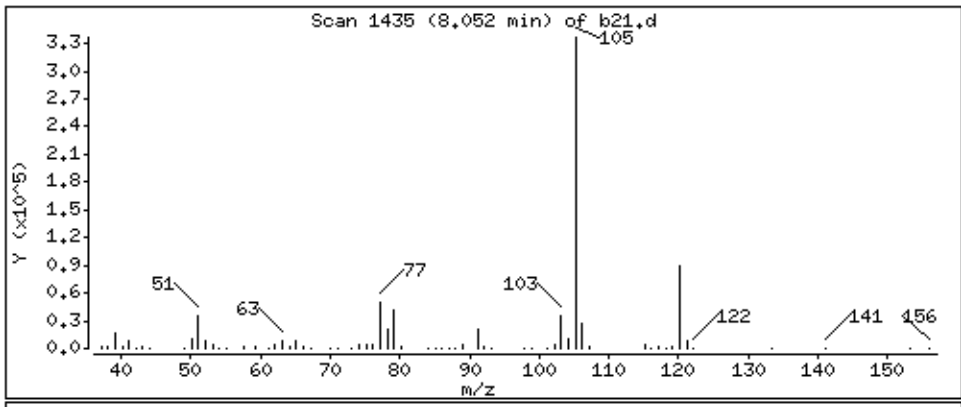
Column phase: DB-624

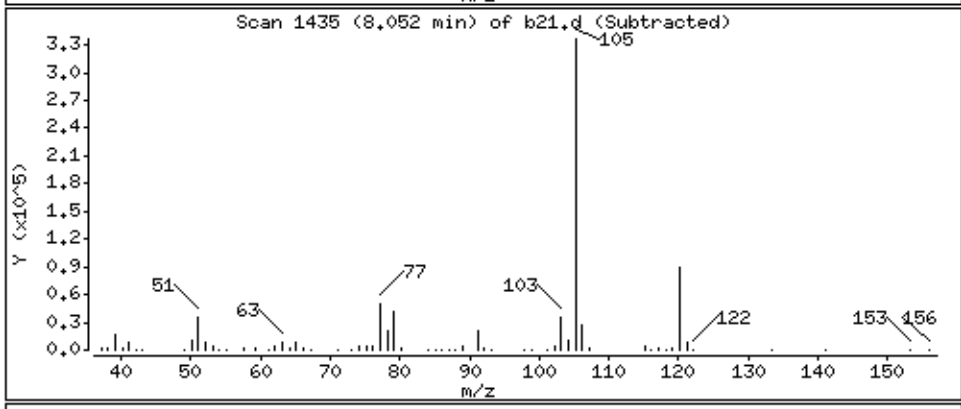
Column diameter: 0.18

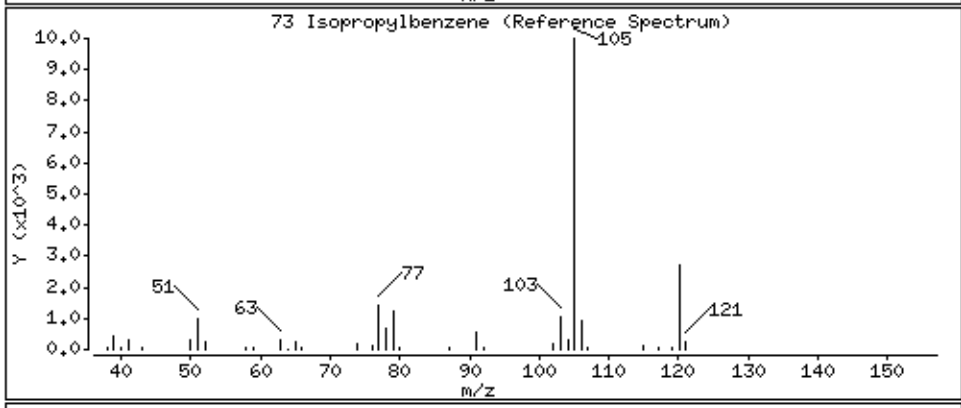
73 Isopropylbenzene

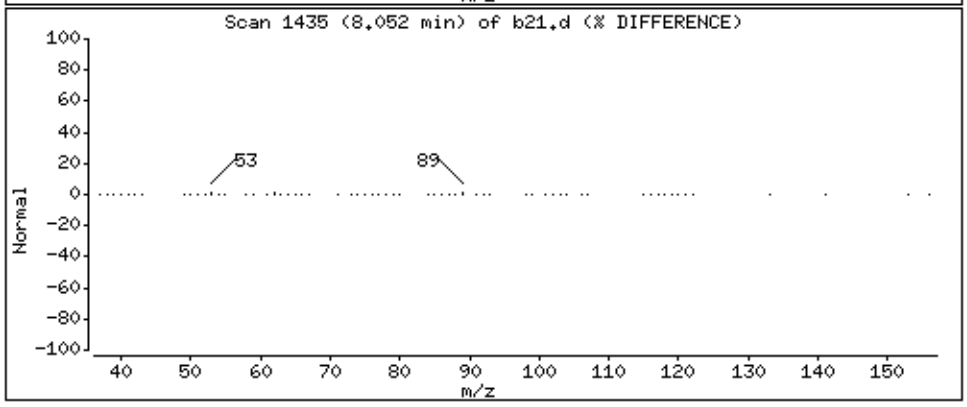
Concentration: 32.1 ppb

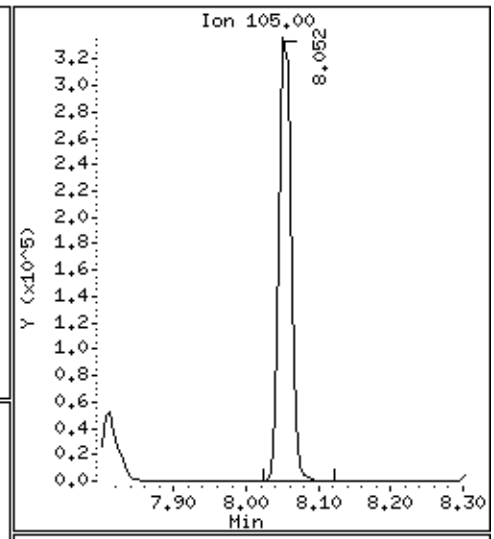
Review Code:

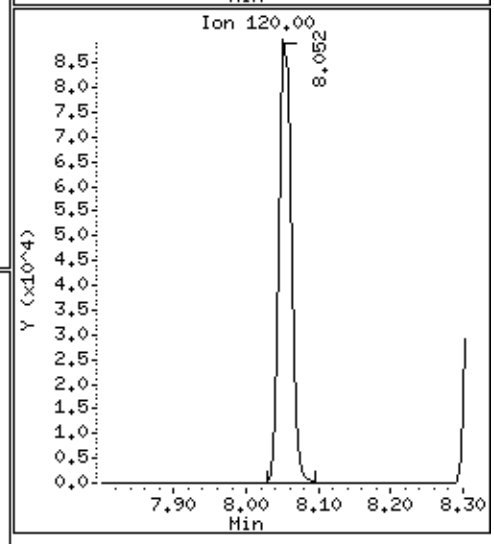












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

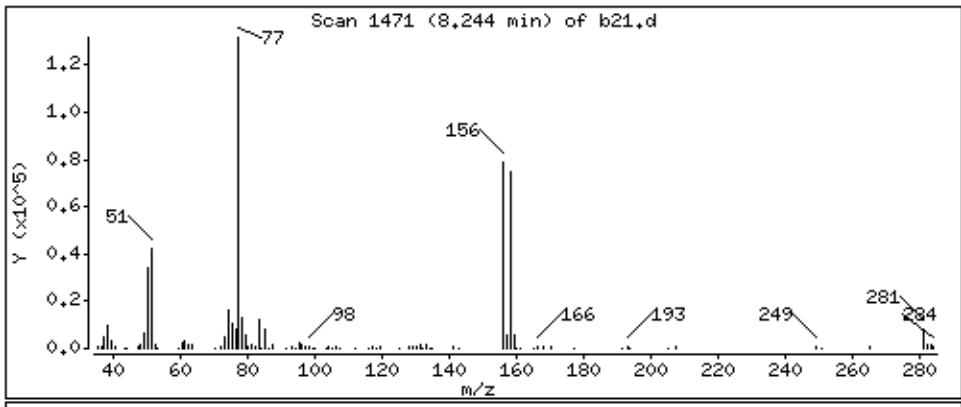
Column phase: DB-624

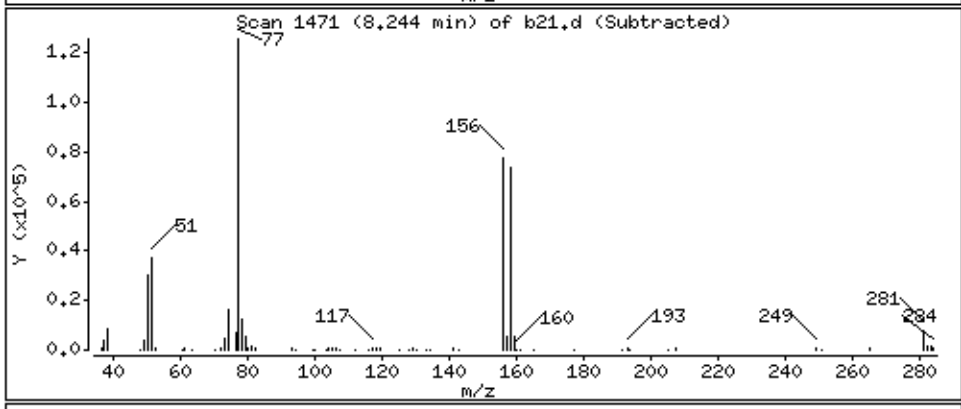
Column diameter: 0.18

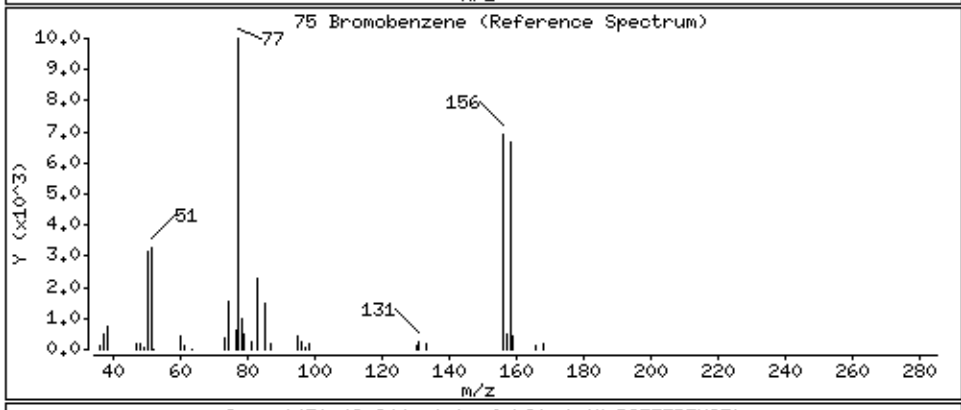
75 Bromobenzene

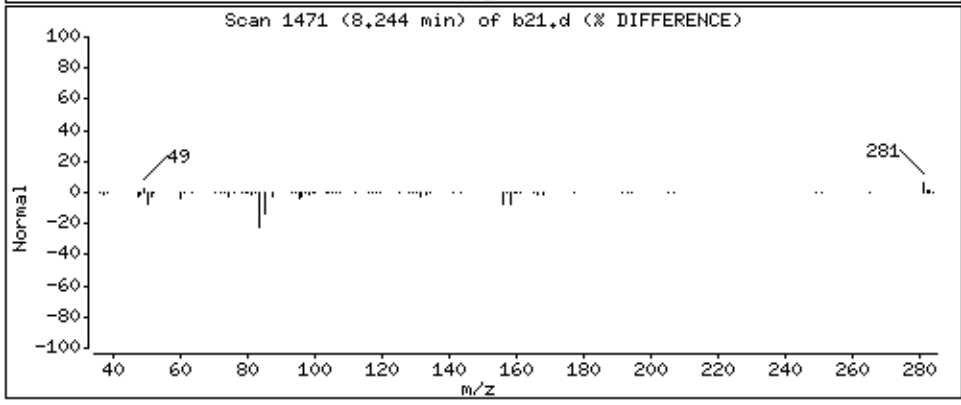
Concentration: 36.5 ppb

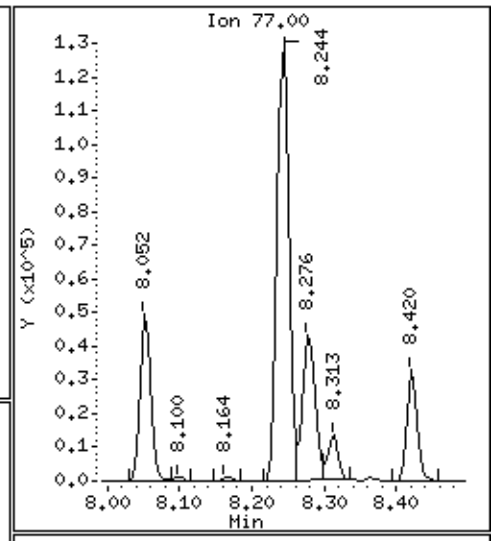
Review Code:

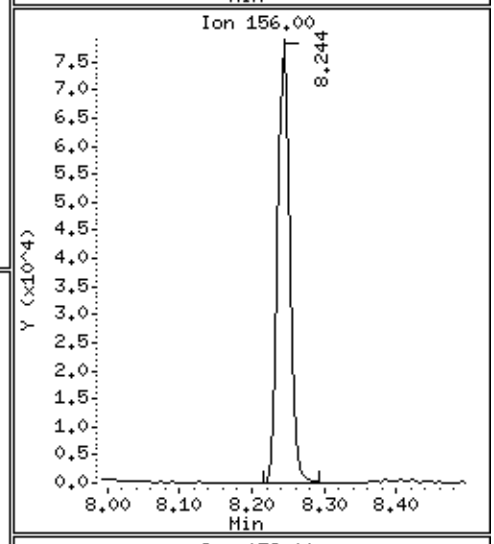


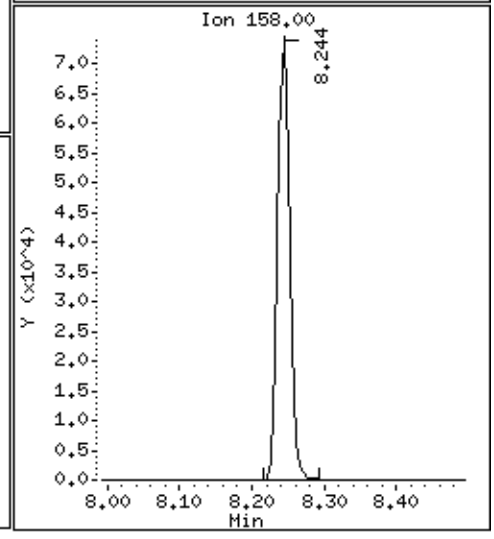












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

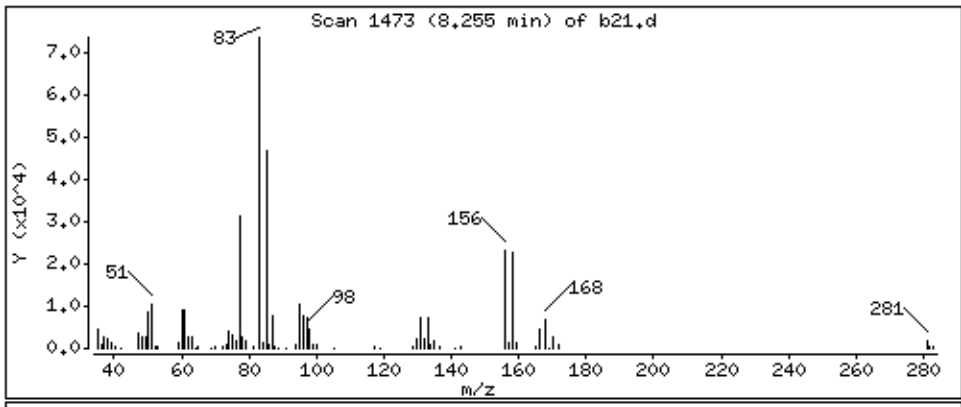
Column phase: DB-624

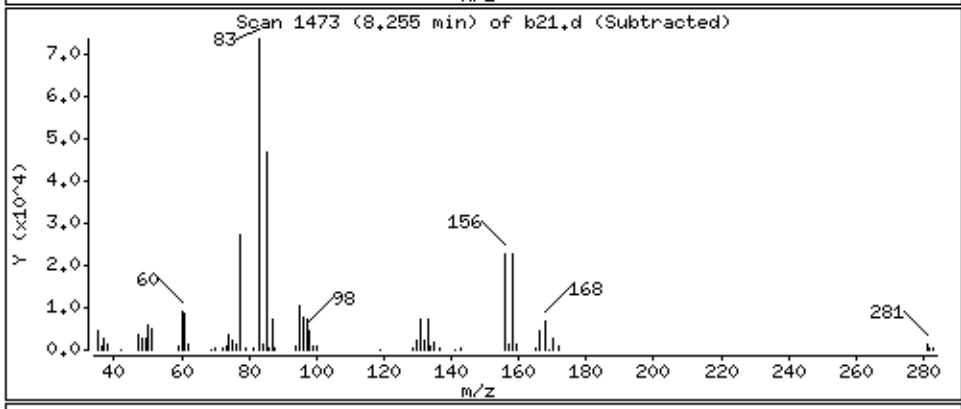
Column diameter: 0.18

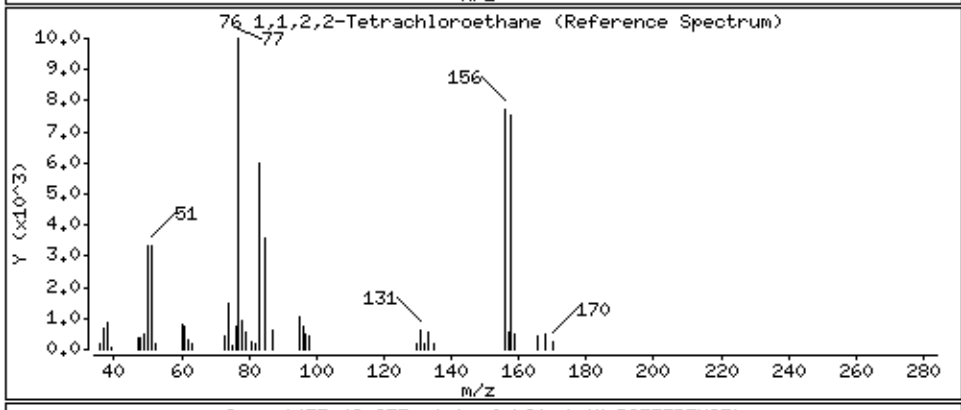
76 1,1,2,2-Tetrachloroethane

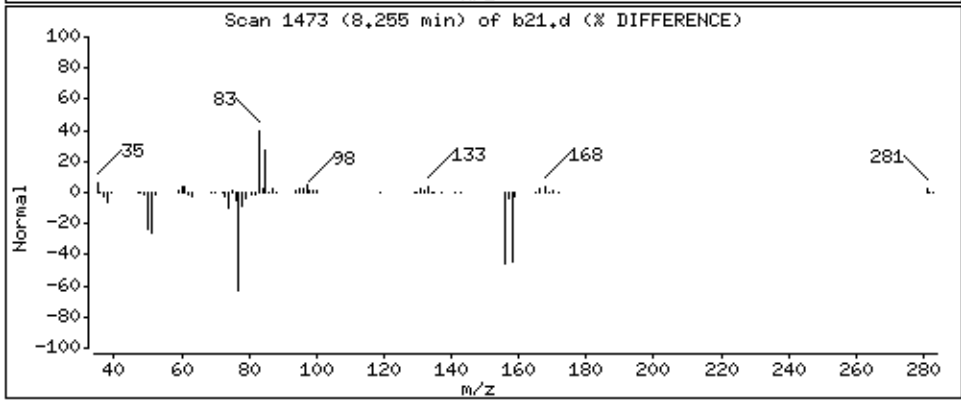
Concentration: 49.0 ppb

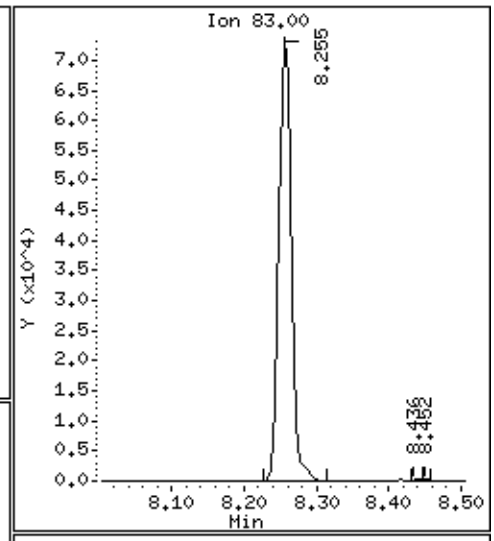
Review Code:

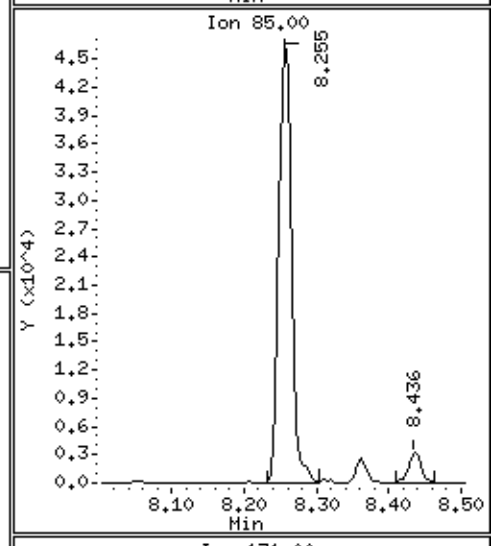


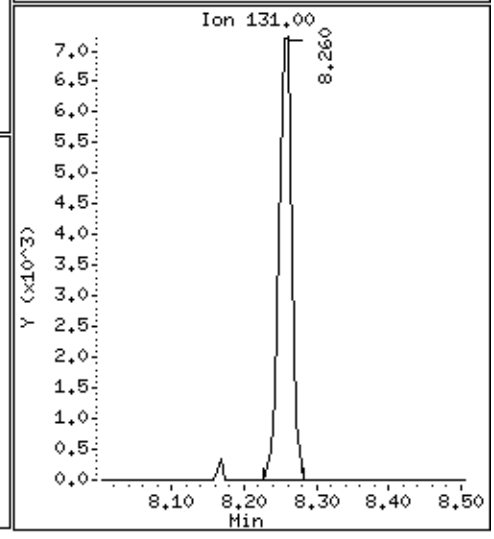












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

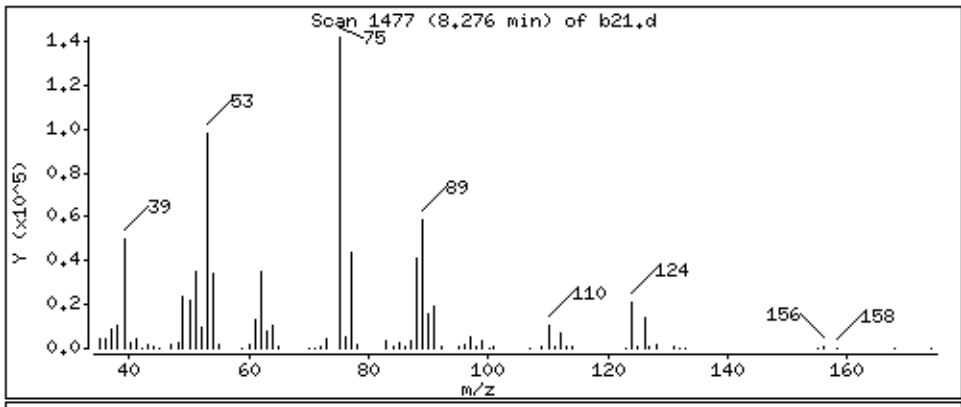
Column phase: DB-624

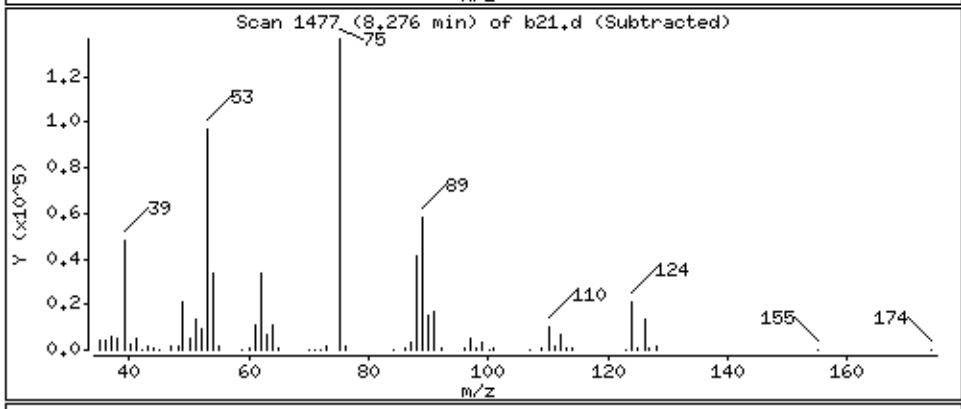
Column diameter: 0.18

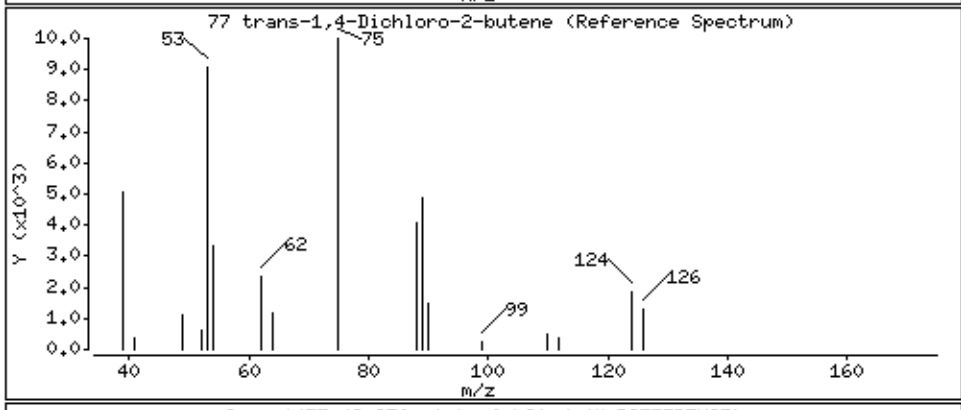
77 trans-1,4-Dichloro-2-butene

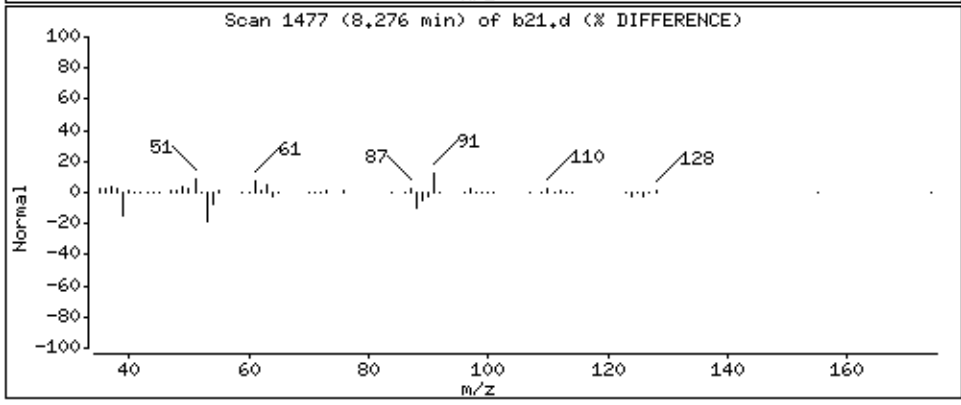
Concentration: 191 ppb

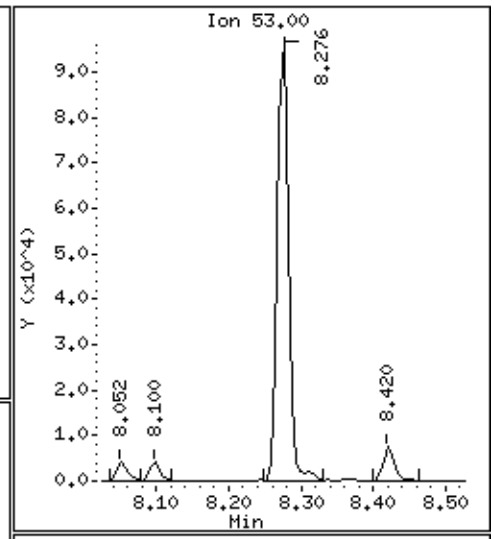
Review Code:

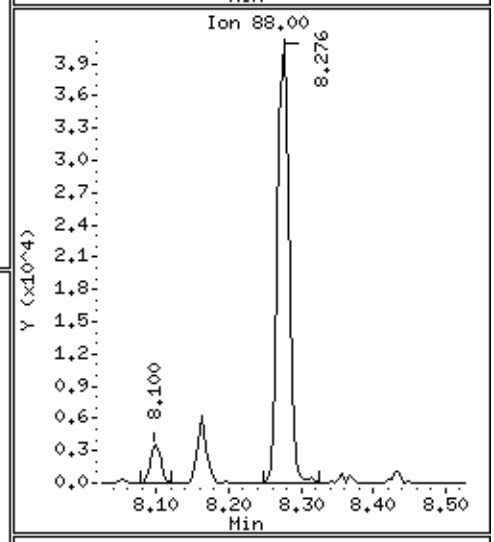


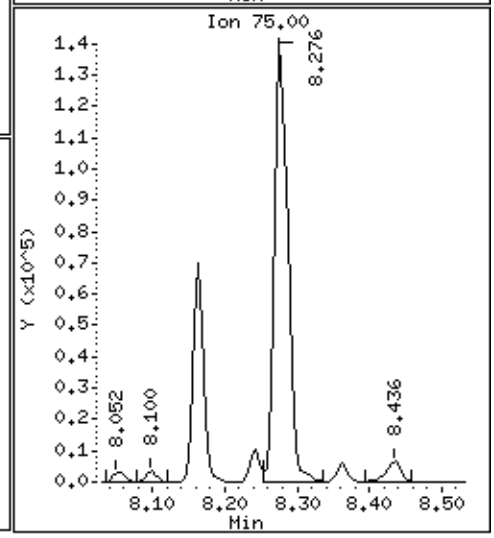












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

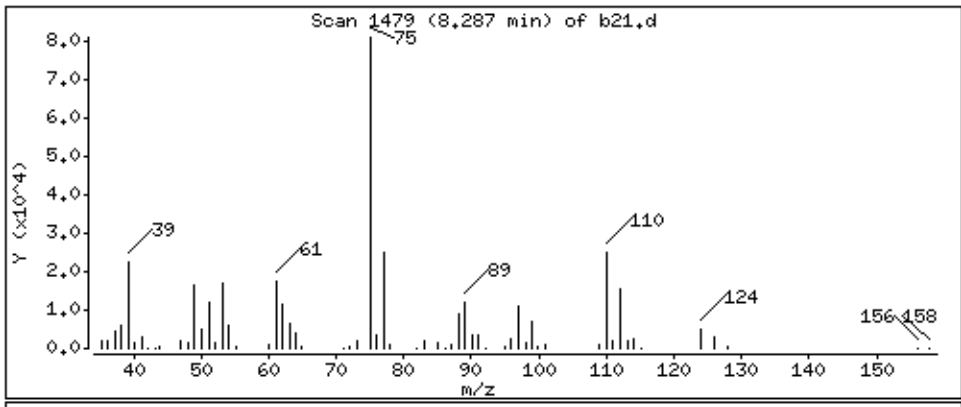
Column phase: DB-624

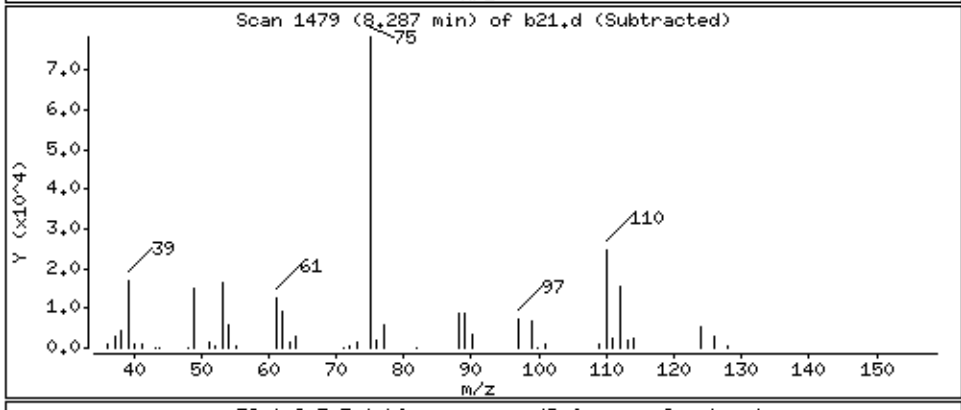
Column diameter: 0.18

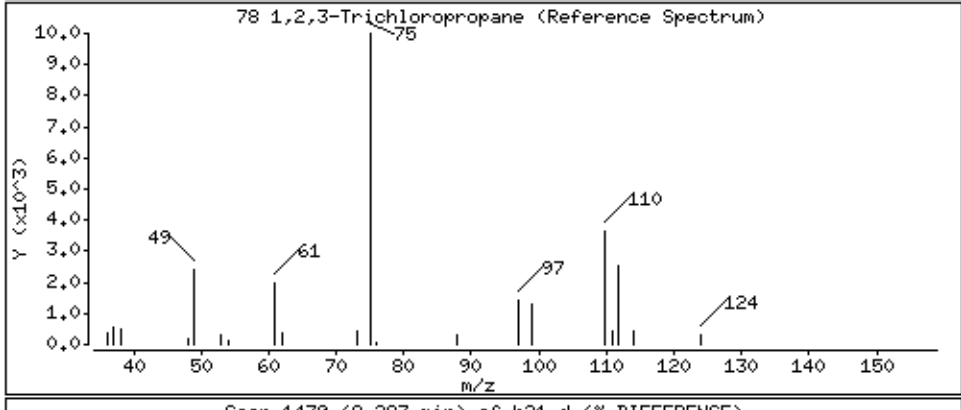
78 1,2,3-Trichloropropane

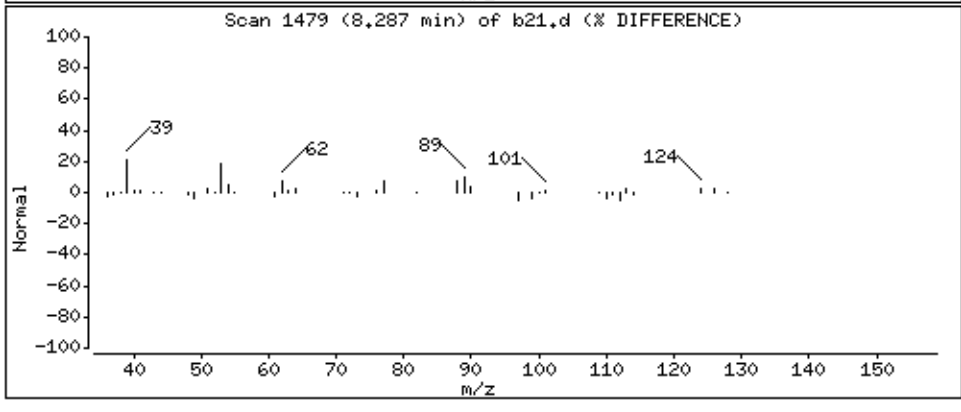
Concentration: 52.6 ppb

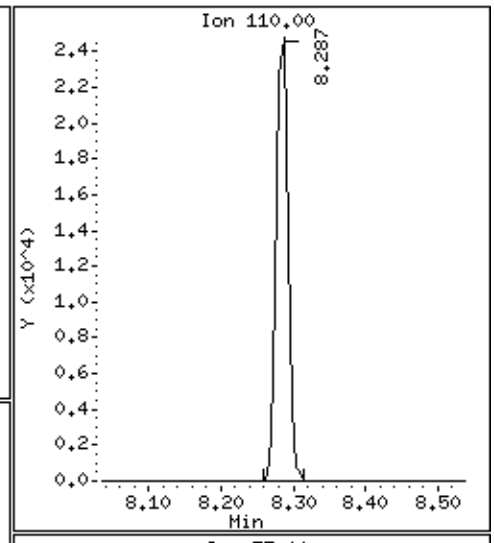
Review Code:

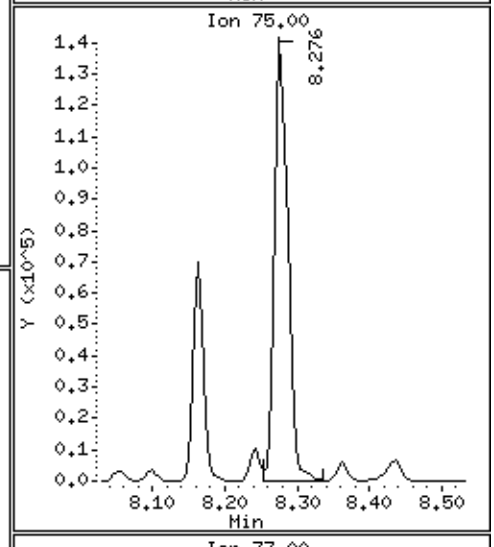


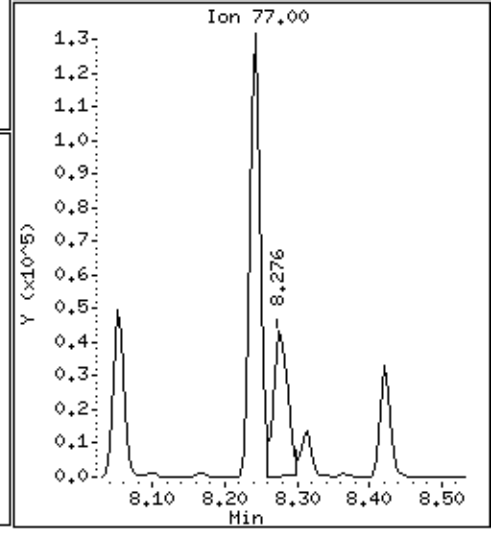












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

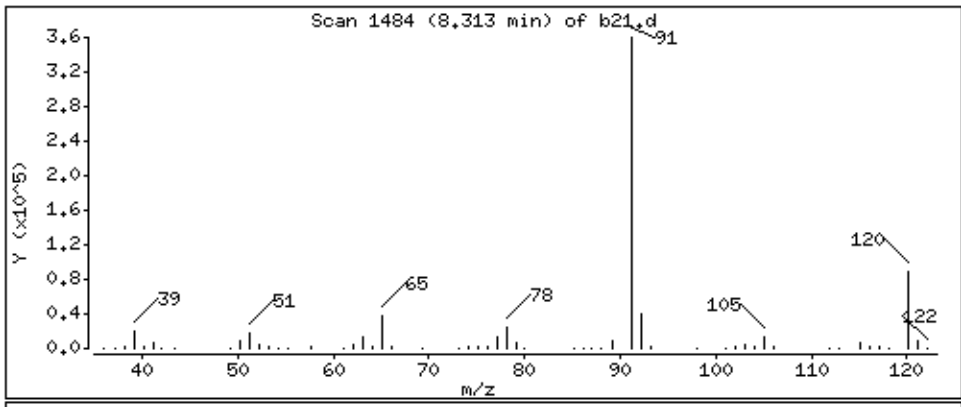
Column phase: DB-624

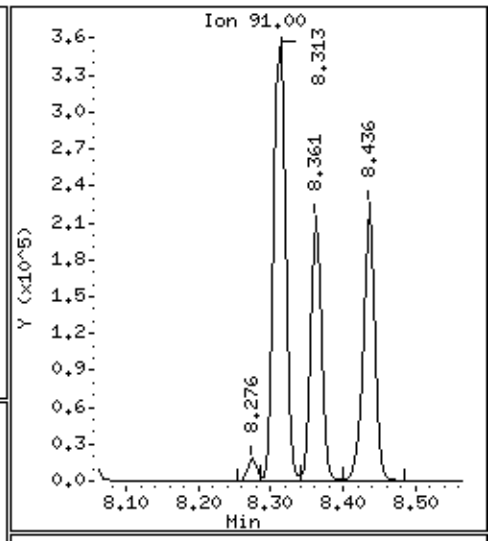
Column diameter: 0.18

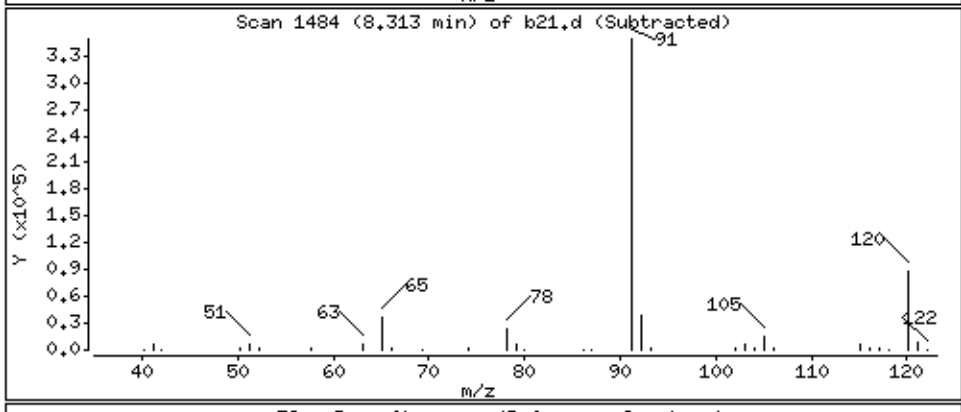
79 n-Propylbenzene

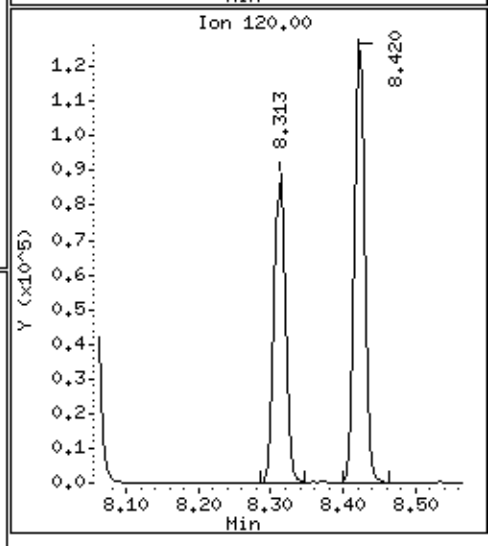
Concentration: 29.3 ppb

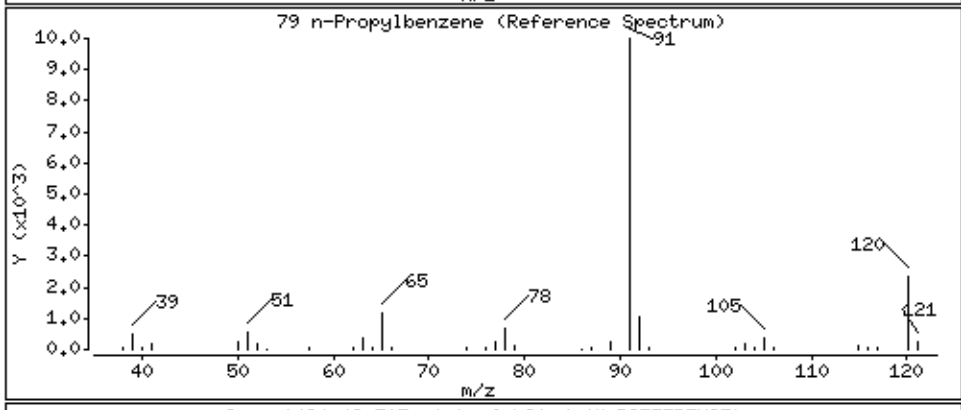
Review Code:

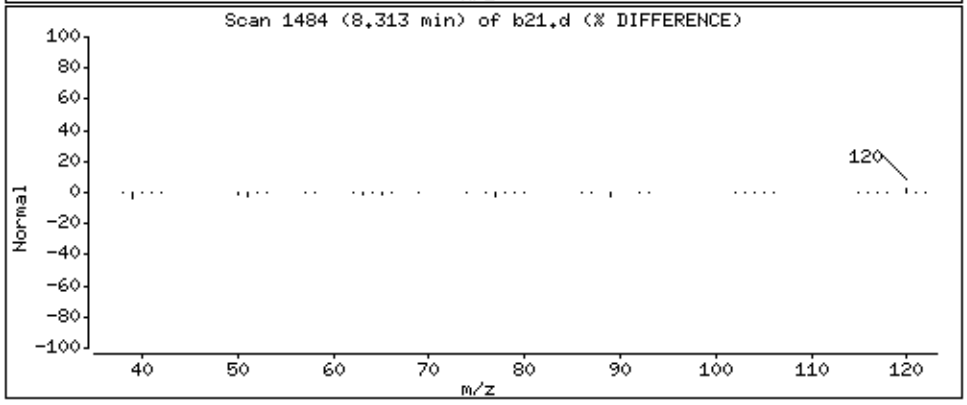












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

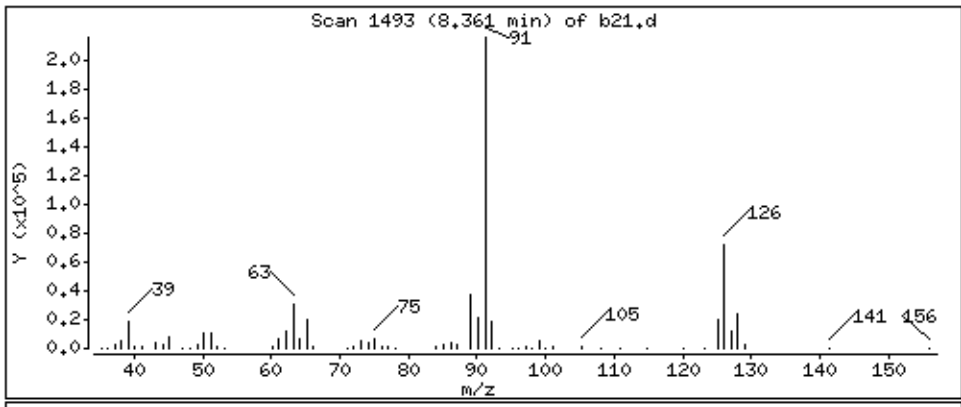
Column phase: DB-624

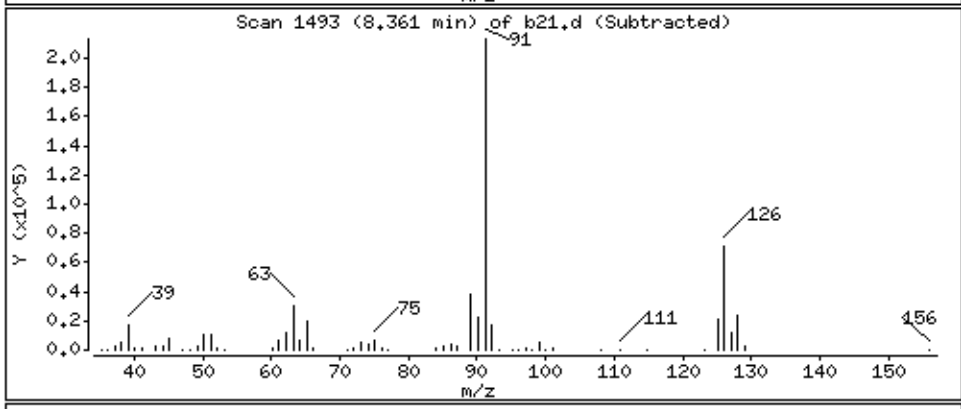
Column diameter: 0.18

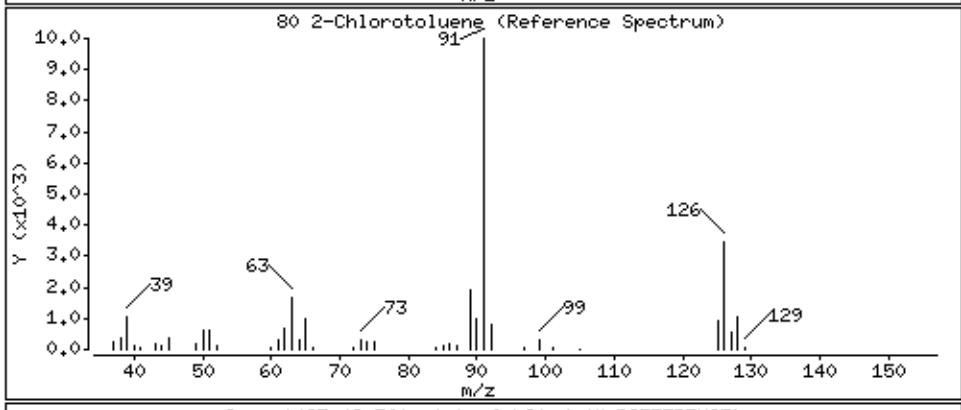
80 2-Chlorotoluene

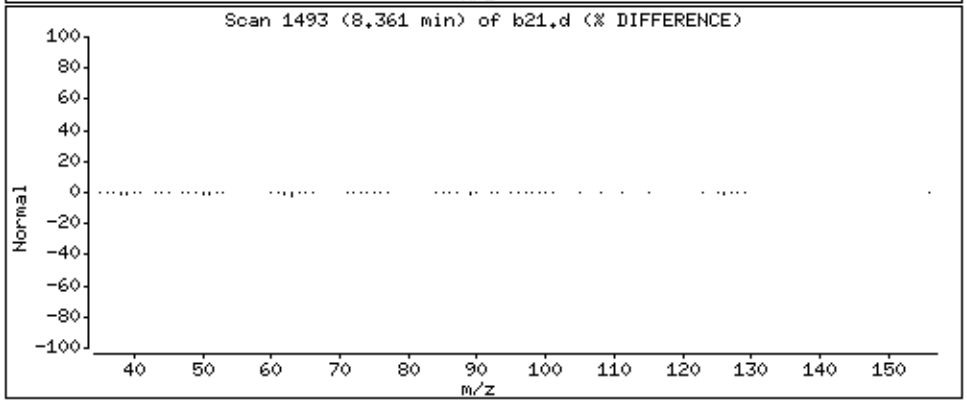
Concentration: 31.8 ppb

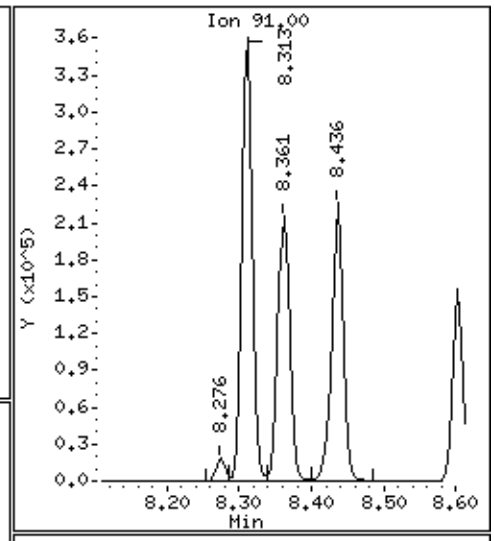
Review Code:

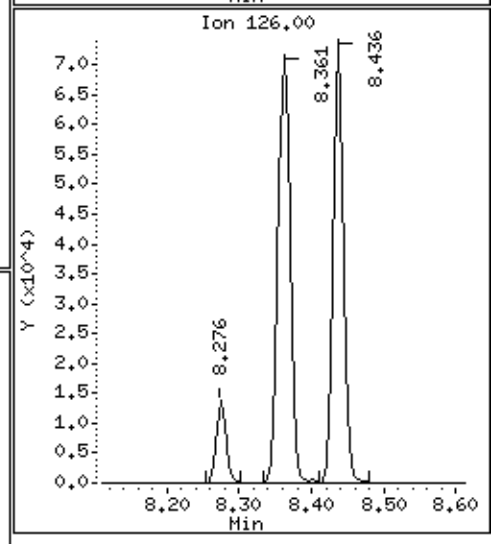












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

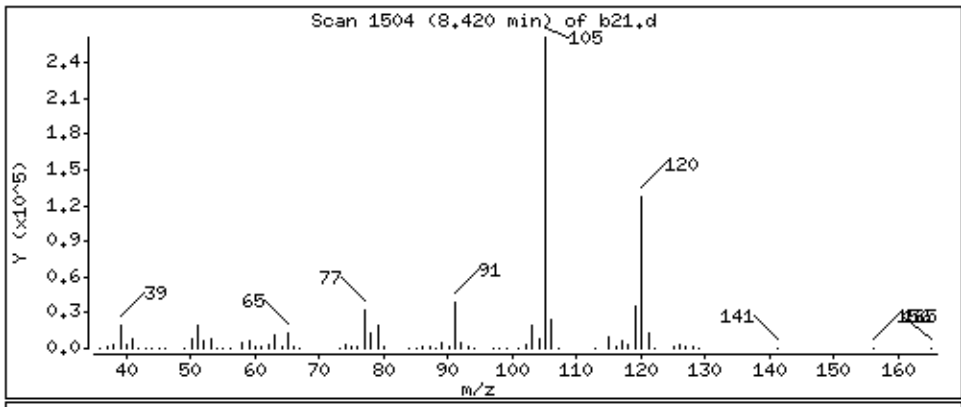
Column phase: DB-624

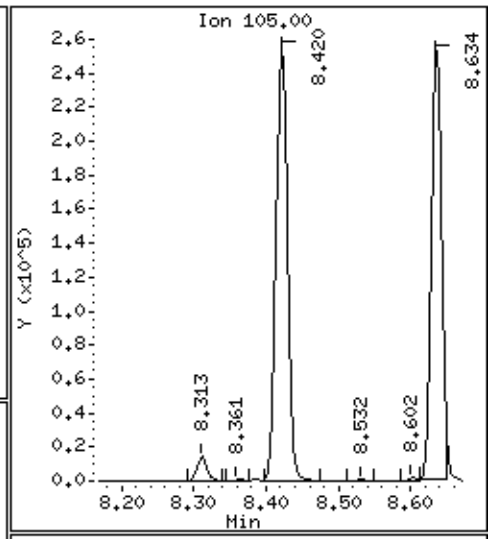
Column diameter: 0.18

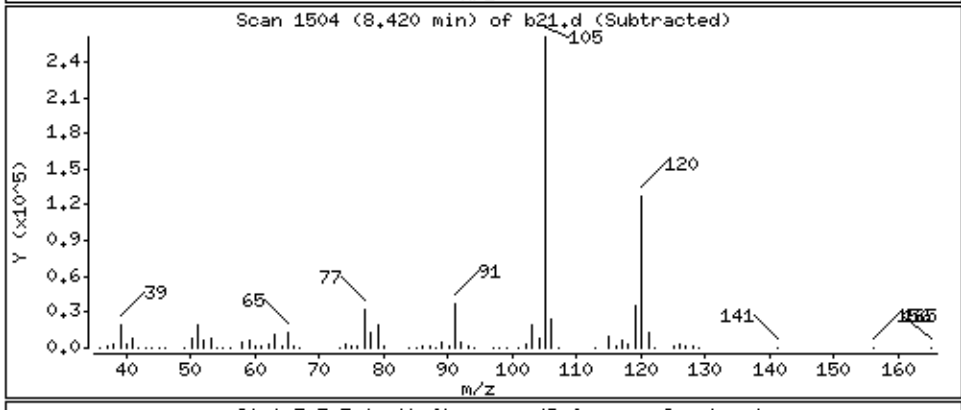
81 1,3,5-Trimethylbenzene

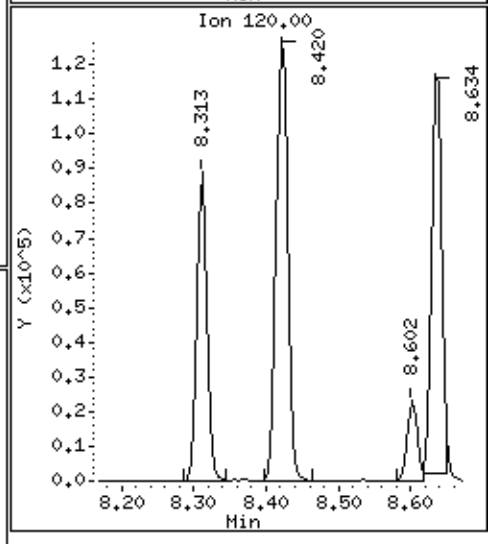
Concentration: 29.4 ppb

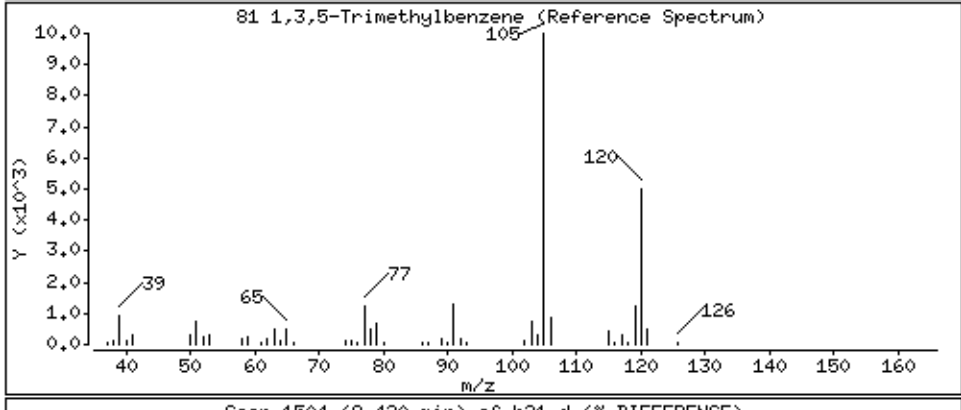
Review Code:

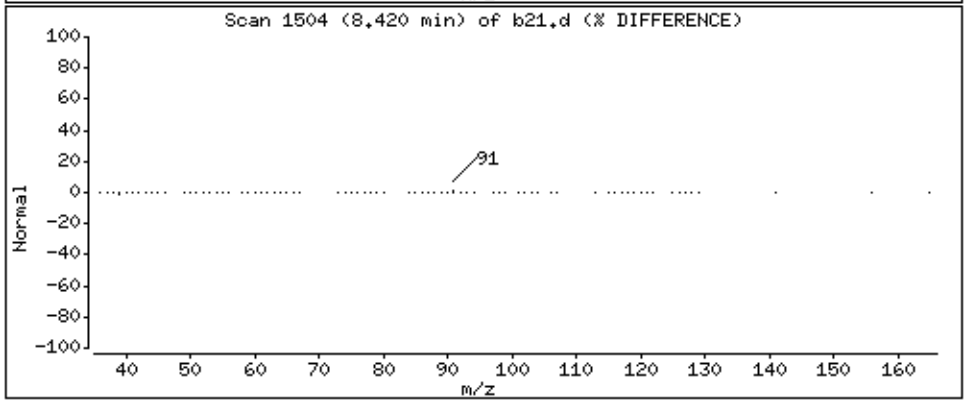












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

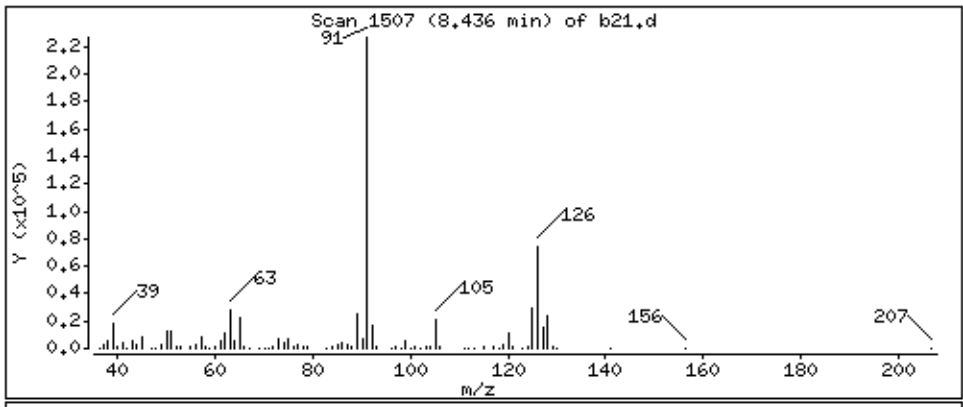
Column phase: DB-624

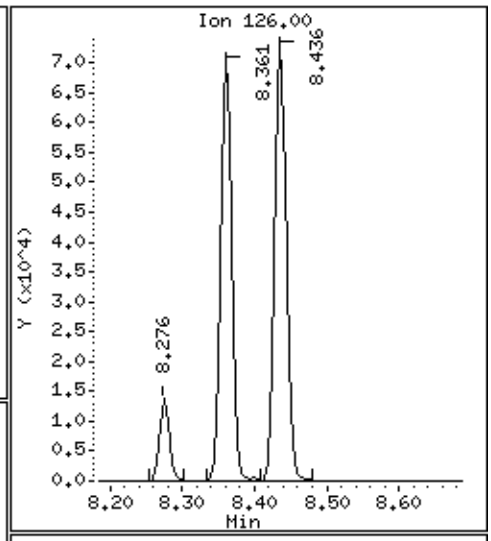
Column diameter: 0.18

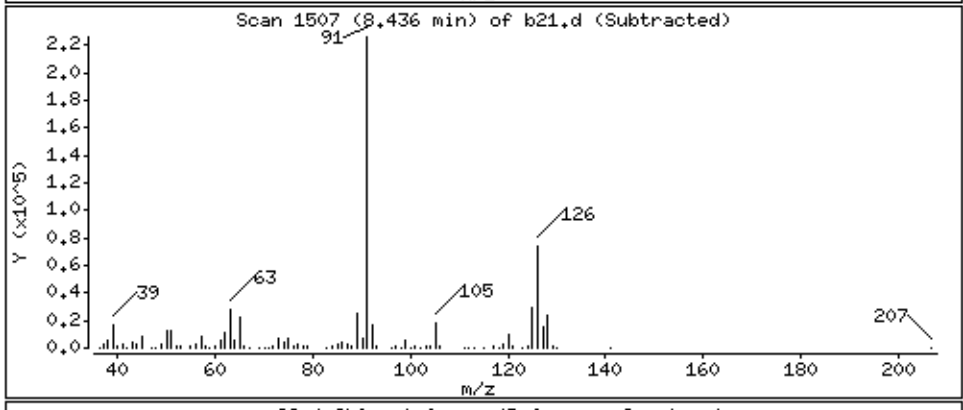
82 4-Chlorotoluene

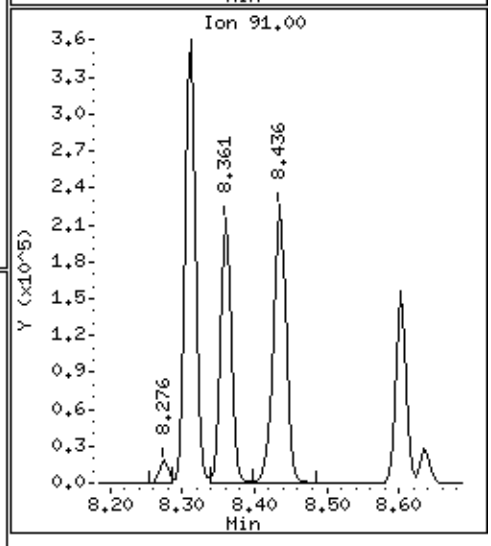
Concentration: 29.1 ppb

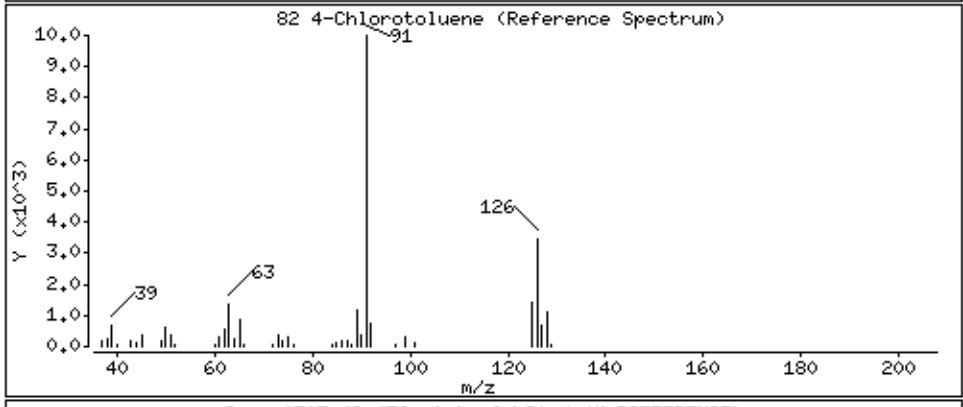
Review Code:

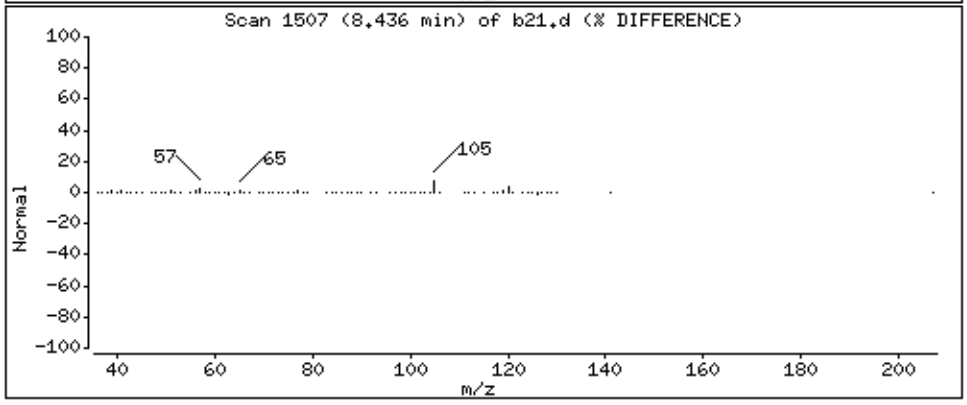












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

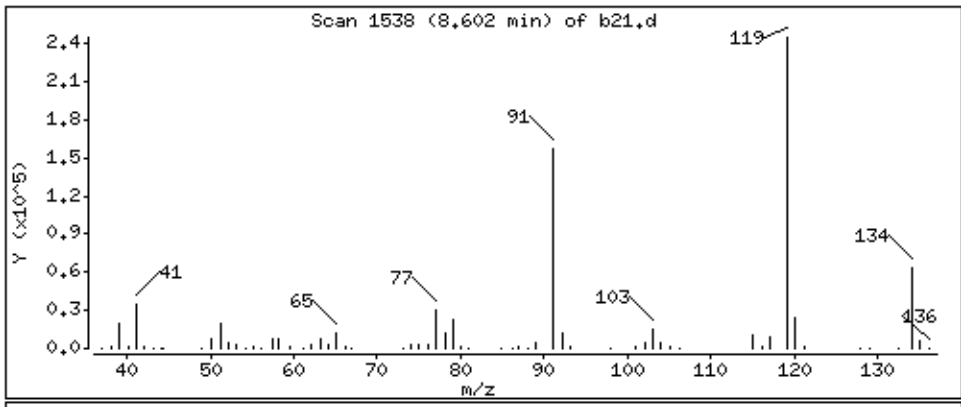
Column phase: DB-624

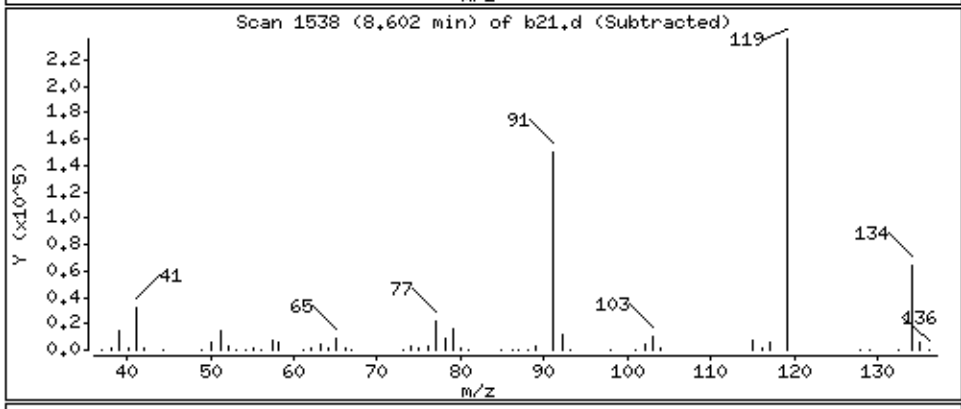
Column diameter: 0.18

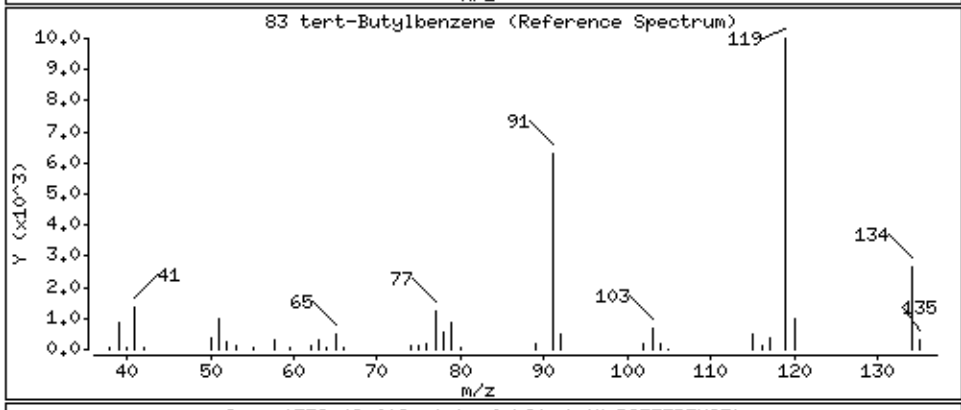
83 tert-Butylbenzene

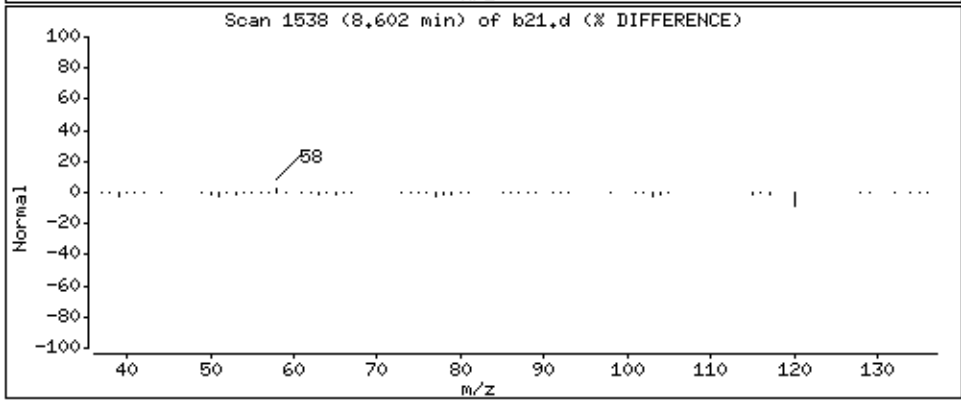
Concentration: 24.3 ppb

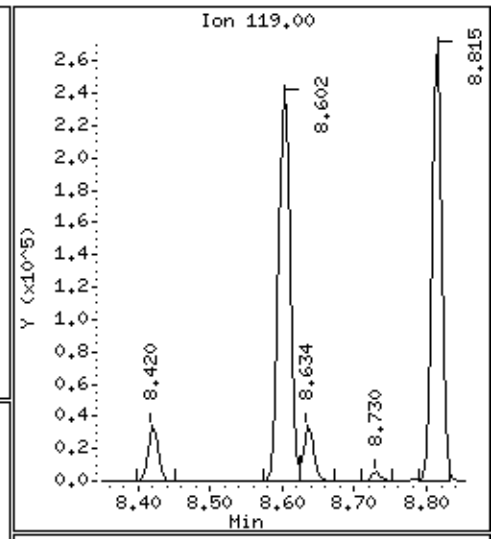
Review Code:

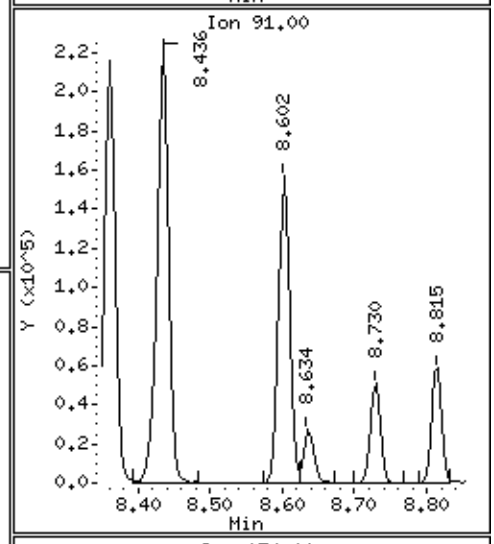


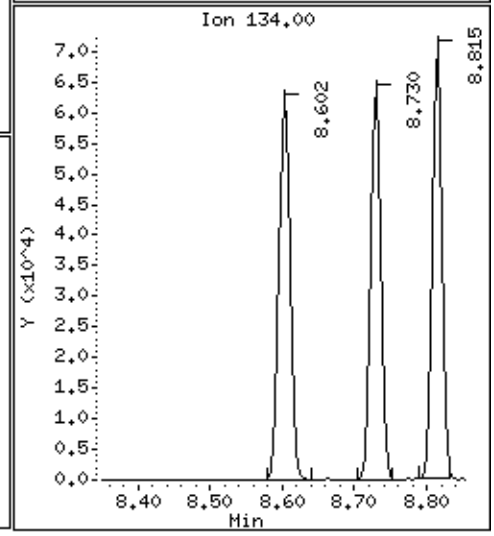












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

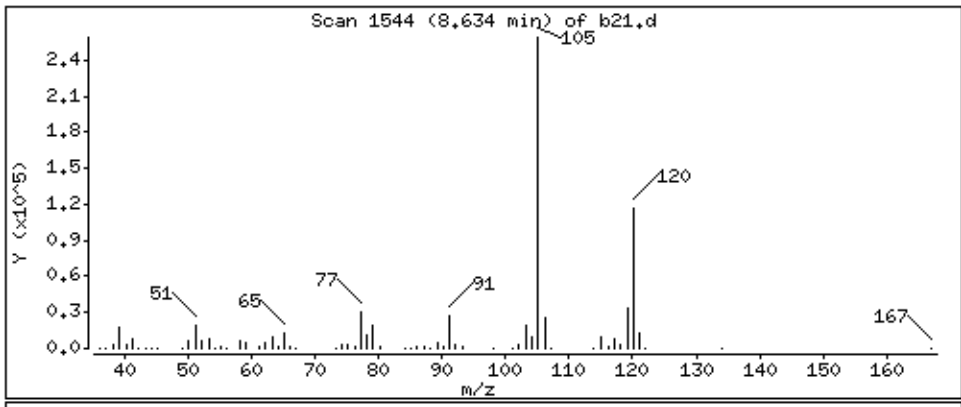
Column phase: DB-624

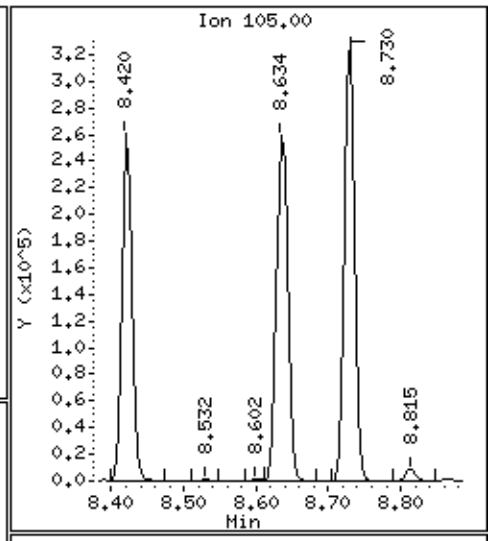
Column diameter: 0.18

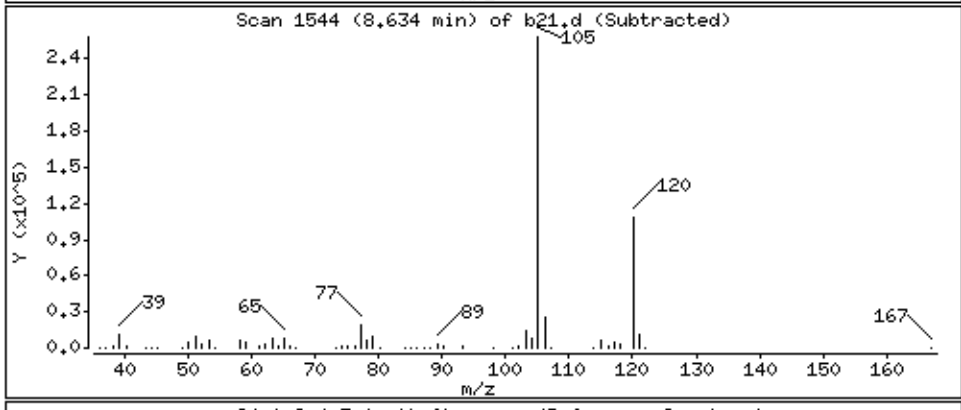
84 1,2,4-Trimethylbenzene

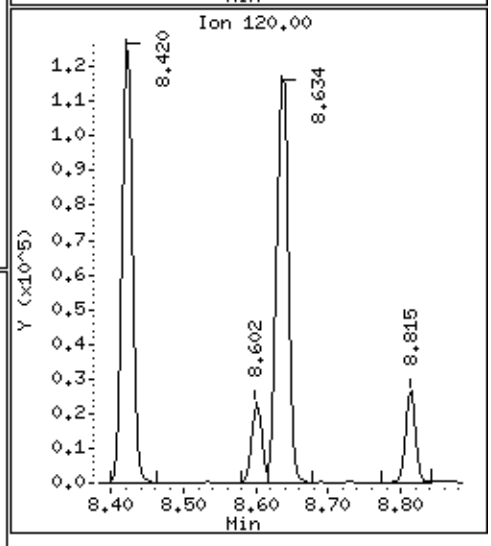
Concentration: 29.7 ppb

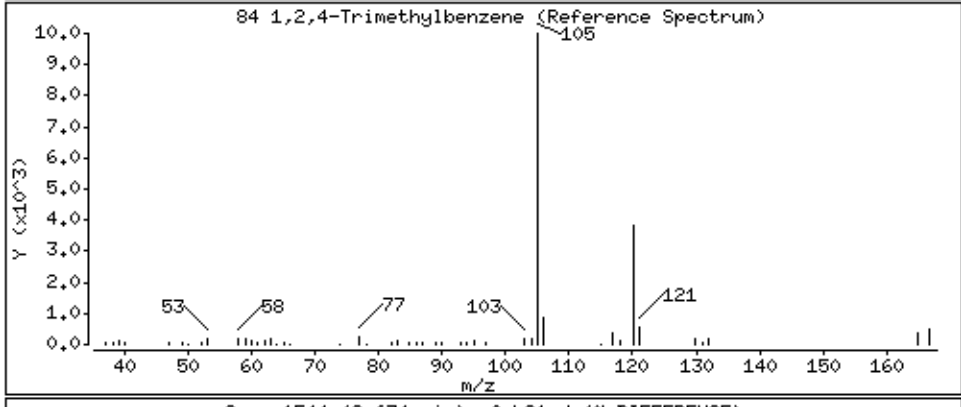
Review Code:

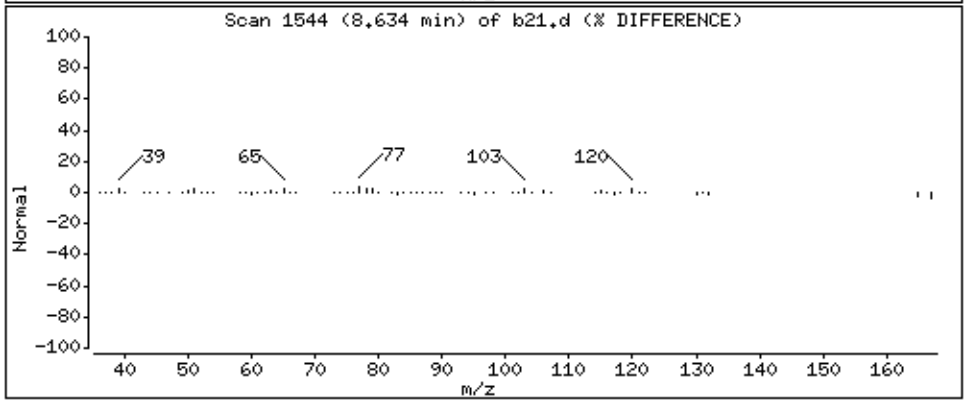












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

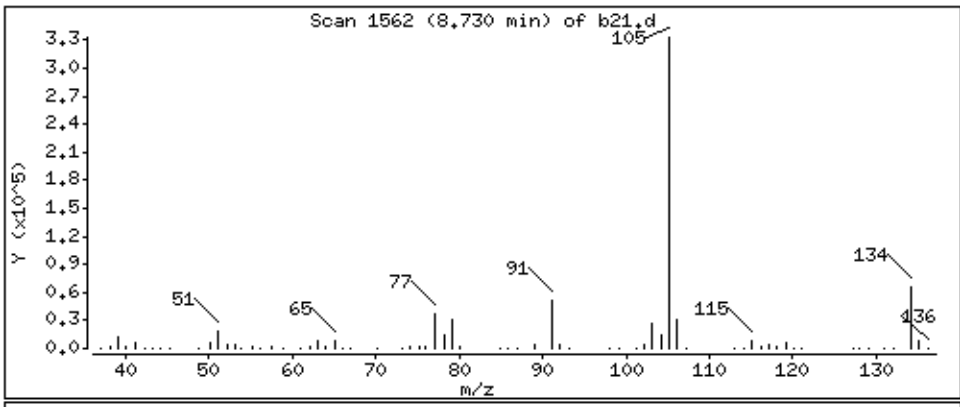
Column phase: DB-624

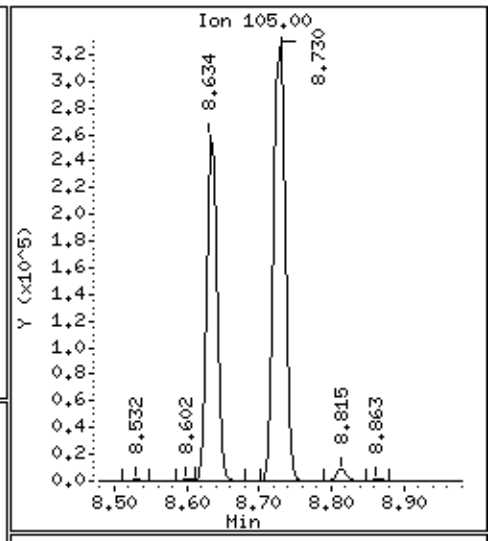
Column diameter: 0.18

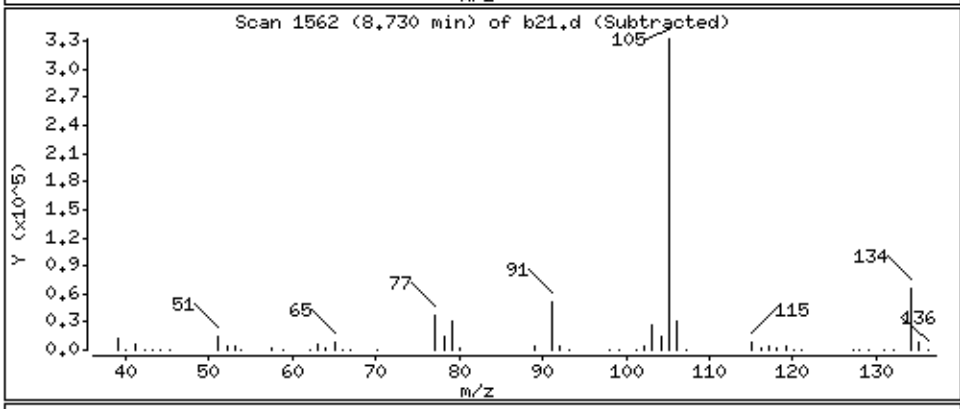
85 sec-Butylbenzene

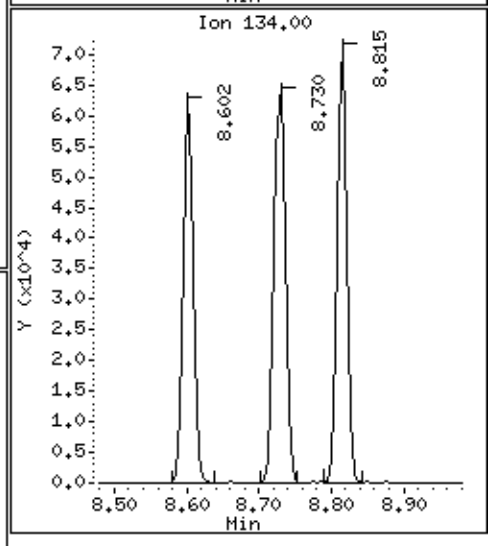
Concentration: 27.6 ppb

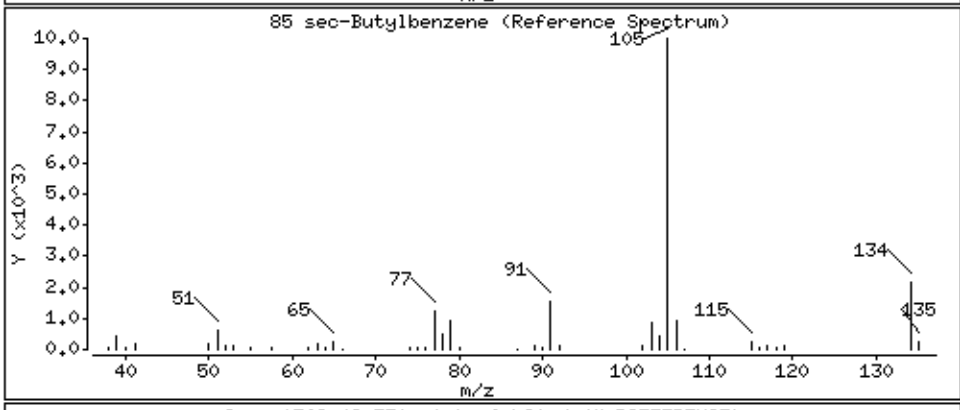
Review Code:

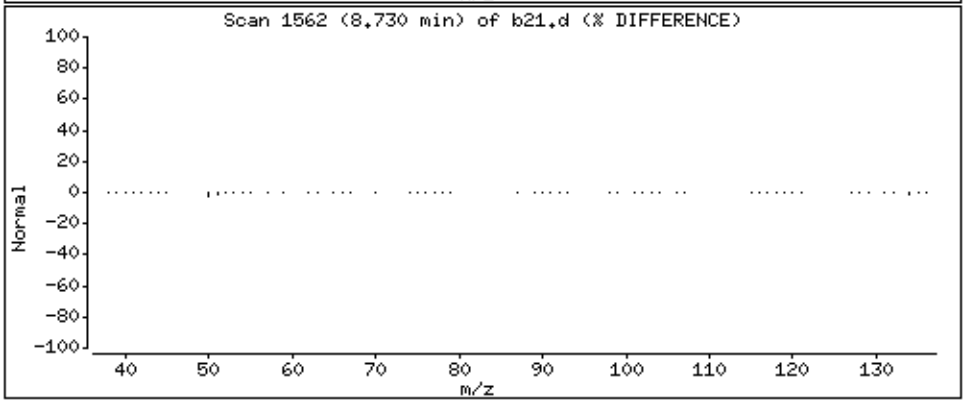












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

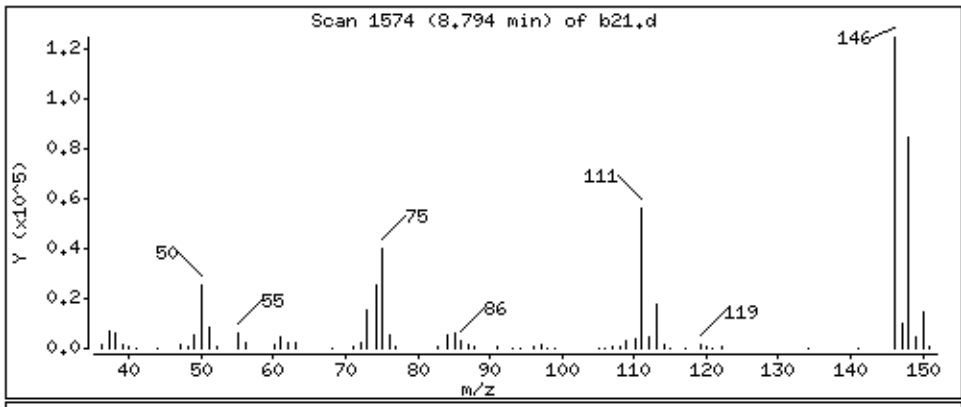
Column phase: DB-624

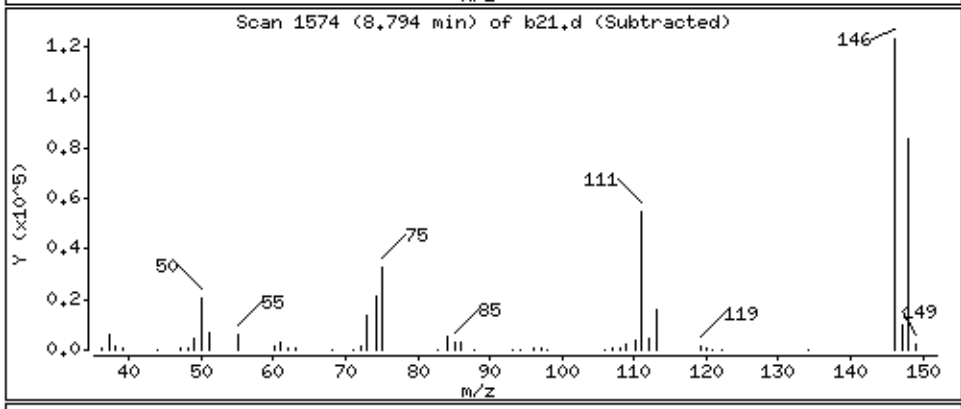
Column diameter: 0.18

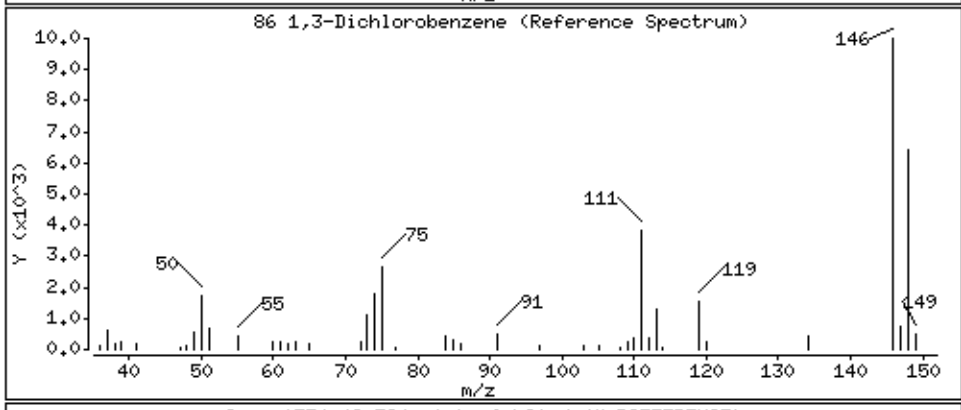
86 1,3-Dichlorobenzene

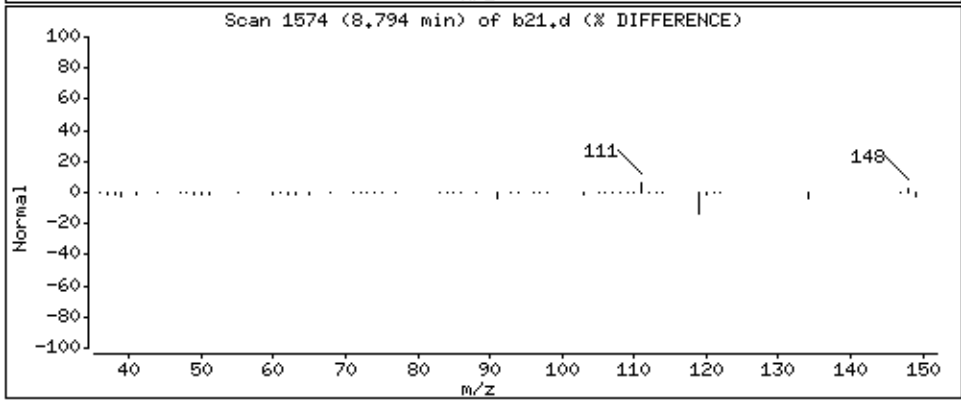
Concentration: 29.0 ppb

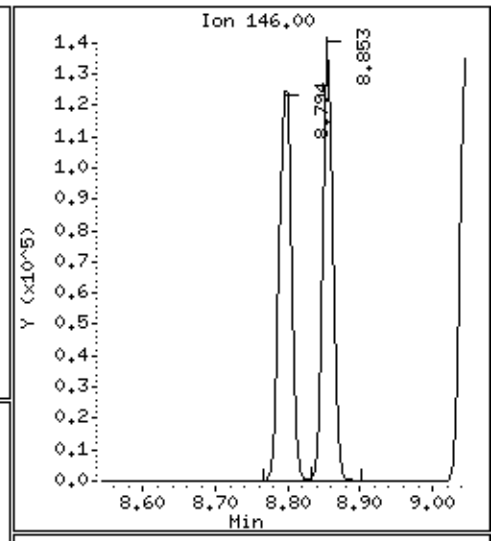
Review Code:

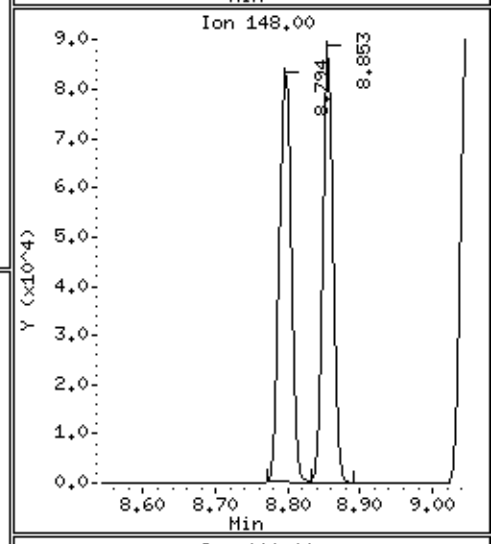


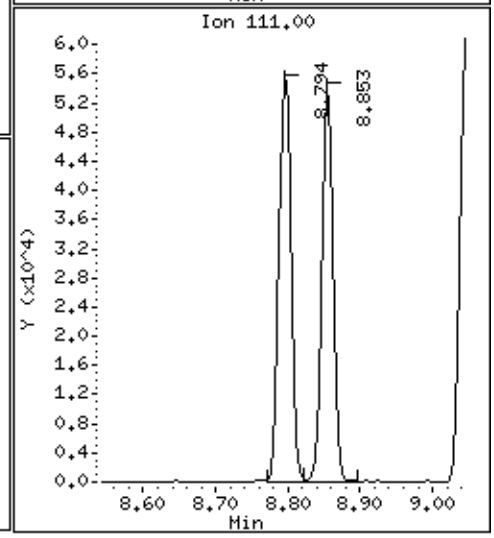












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

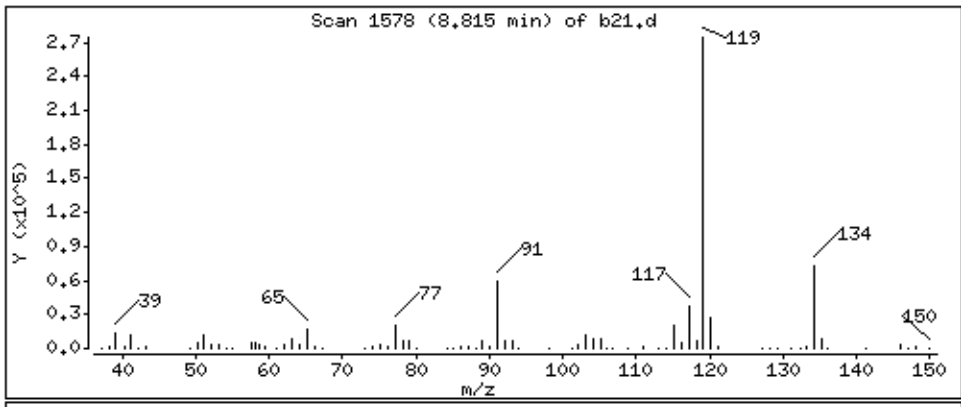
Column phase: DB-624

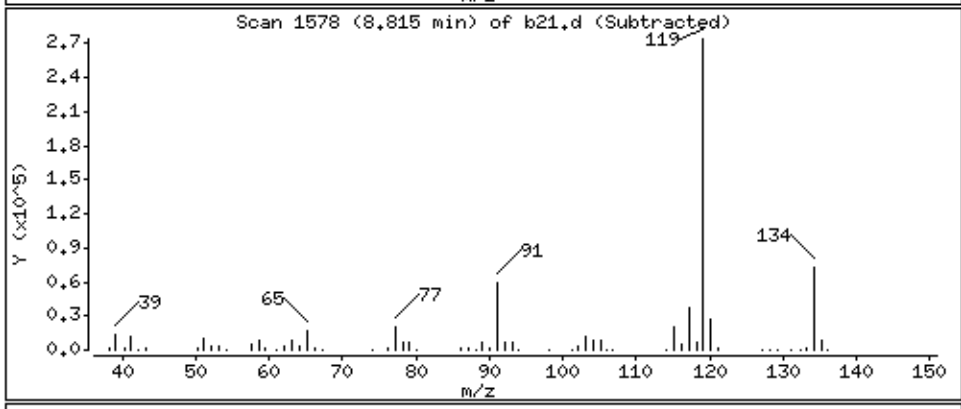
Column diameter: 0.18

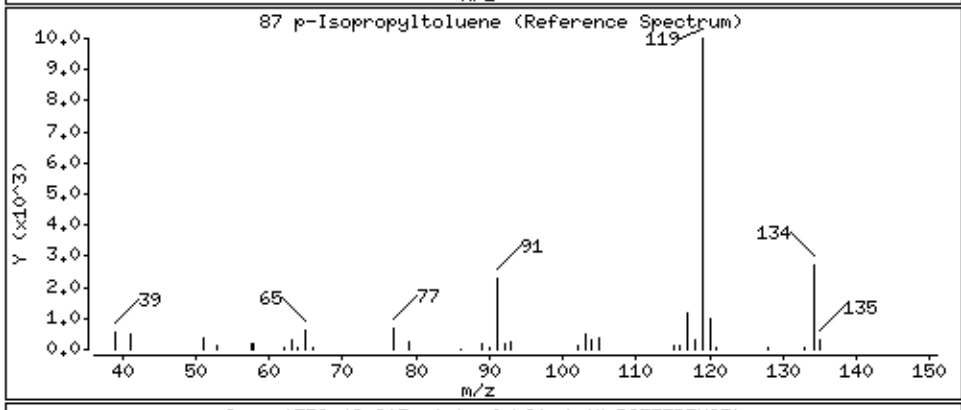
87 p-Isopropyltoluene

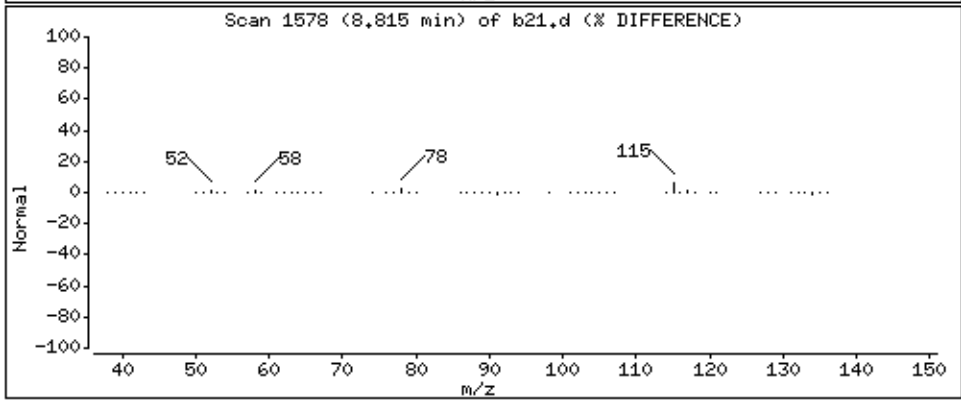
Concentration: 25.8 ppb

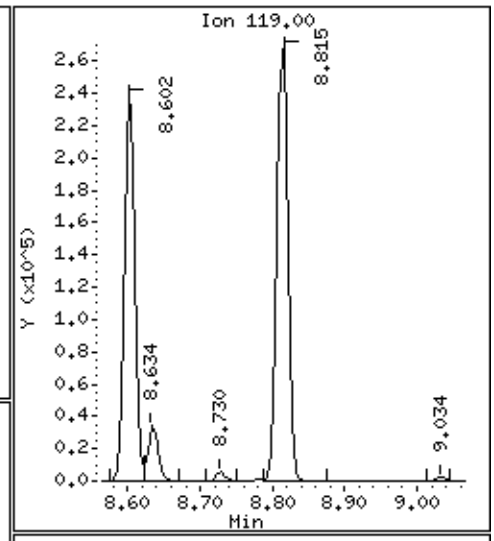
Review Code:

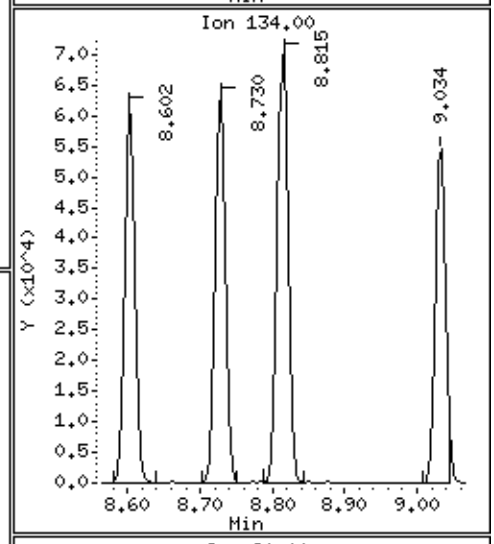


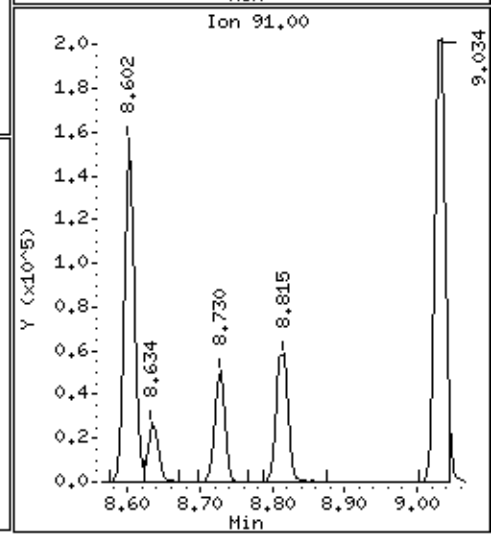












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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

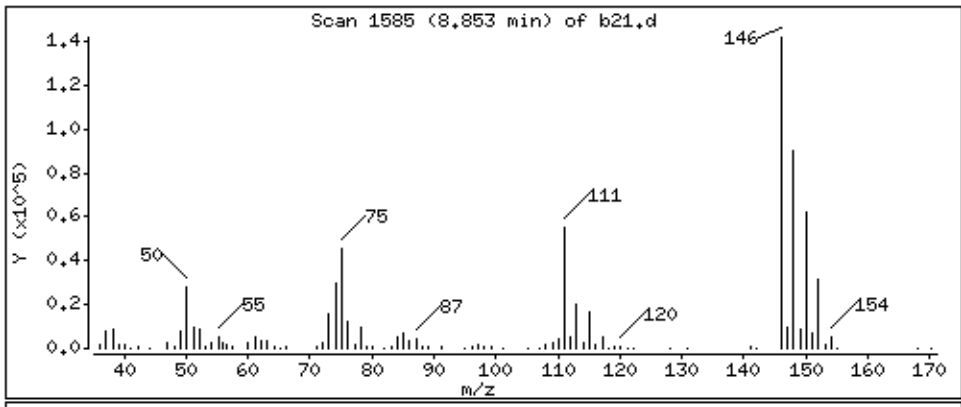
Column phase: DB-624

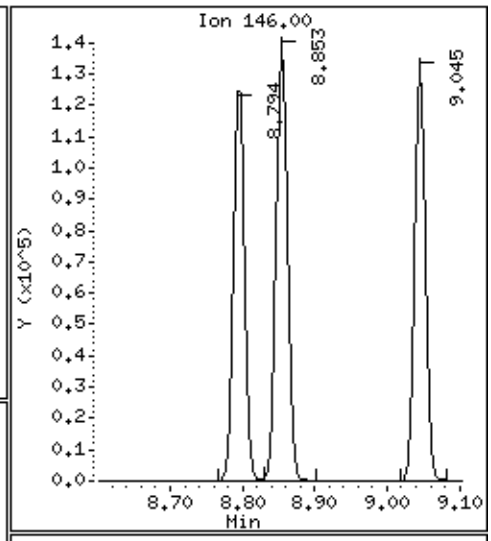
Column diameter: 0.18

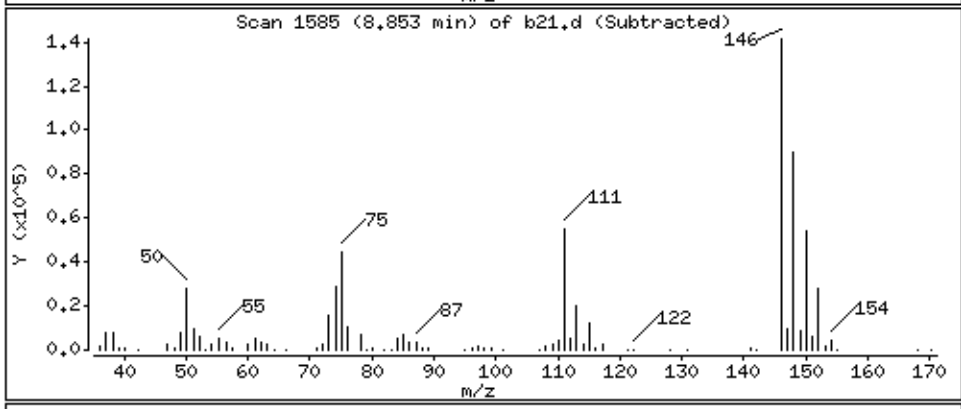
89 1,4-Dichlorobenzene

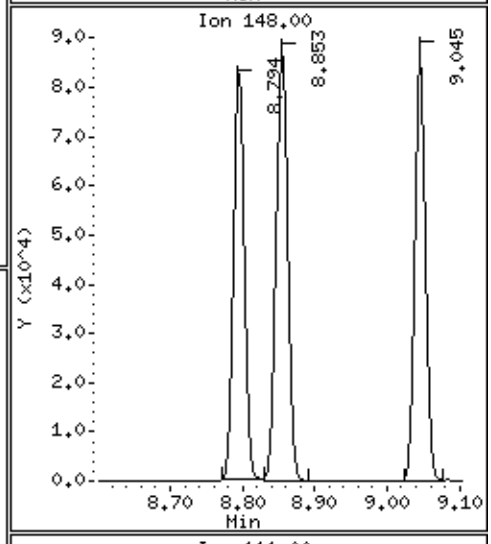
Concentration: 28.4 ppb

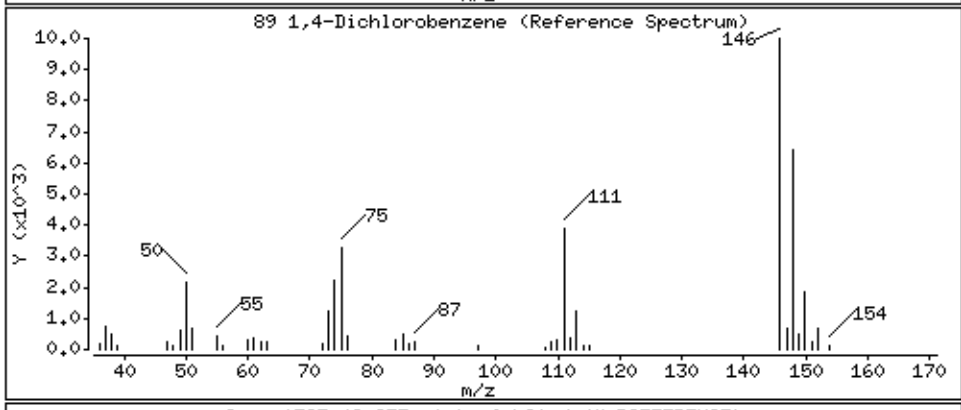
Review Code:

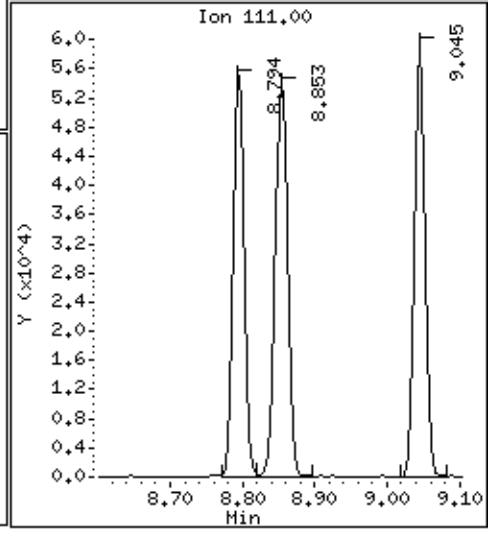


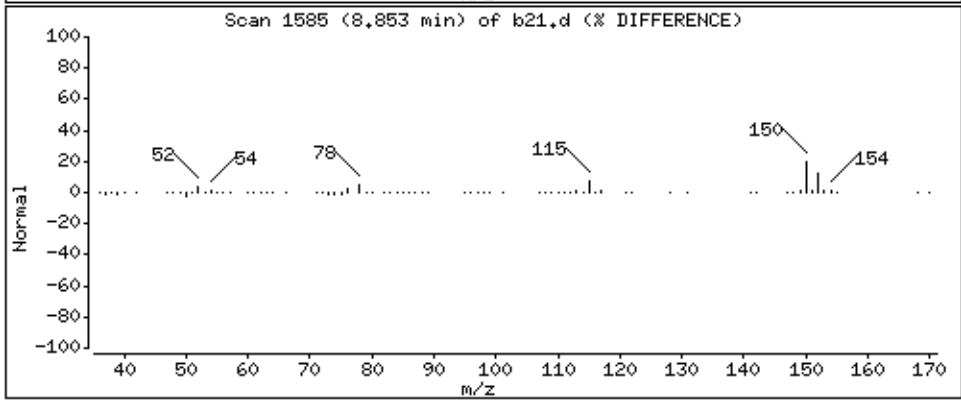












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

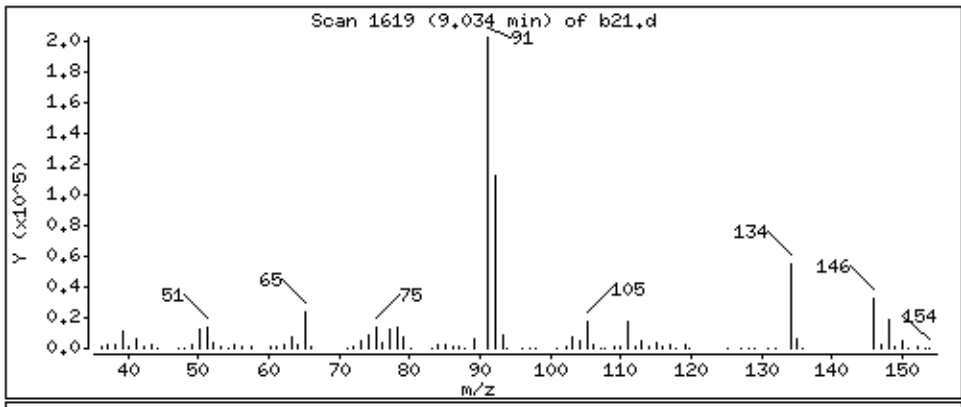
Column phase: DB-624

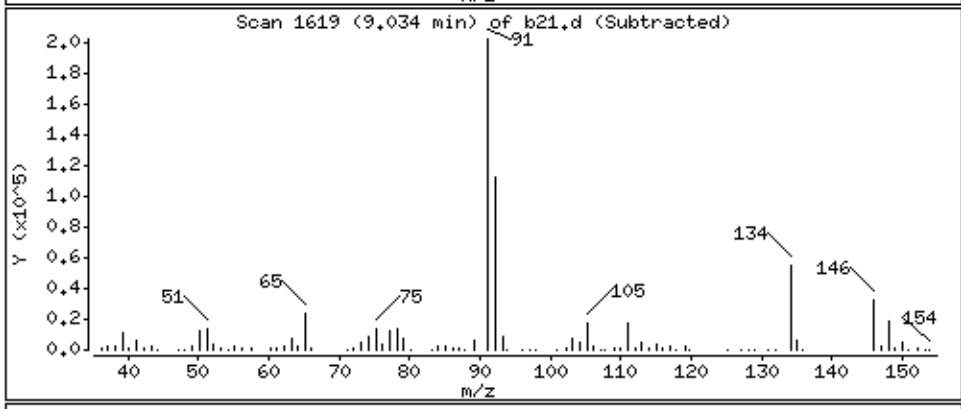
Column diameter: 0.18

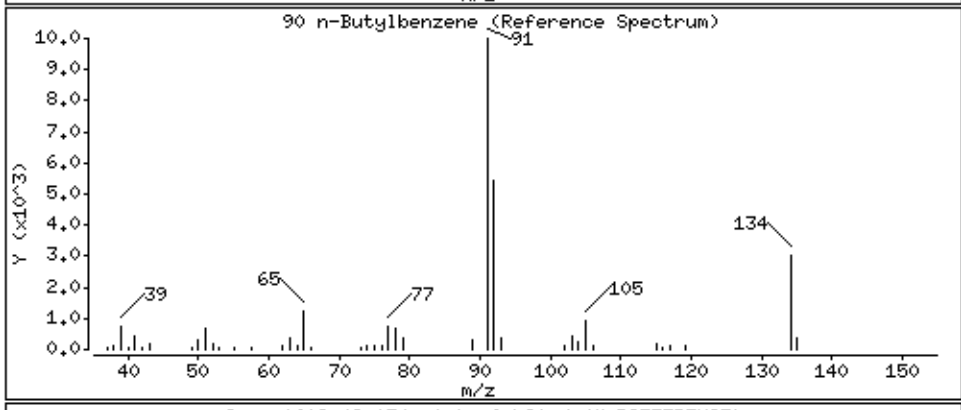
90 n-Butylbenzene

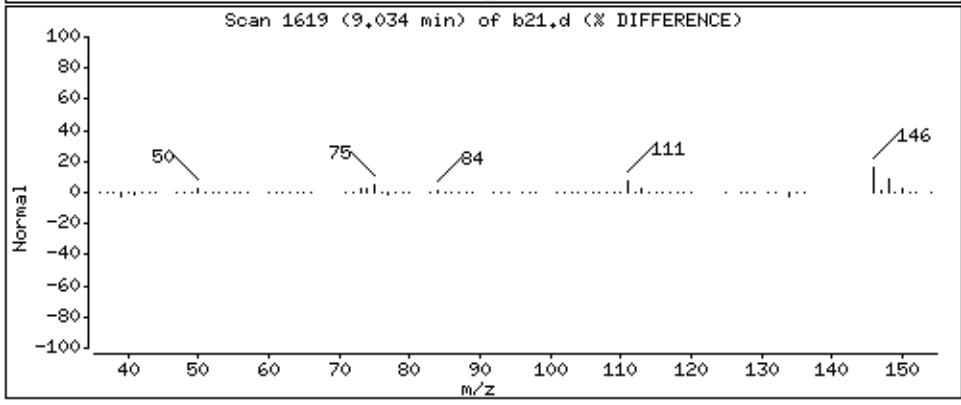
Concentration: 23.2 ppb

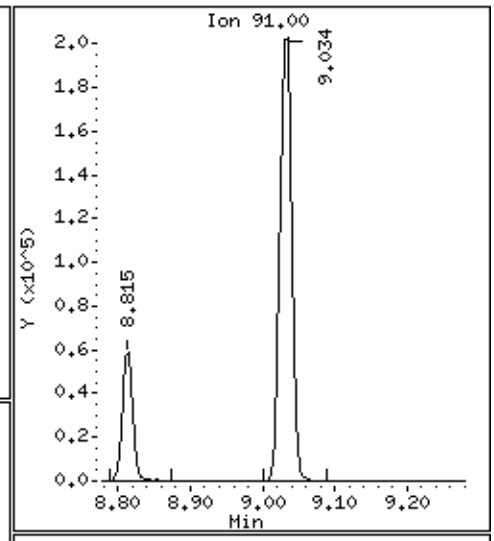
Review Code:

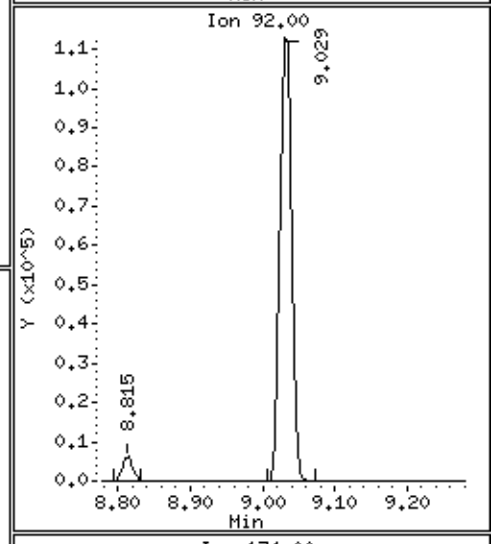


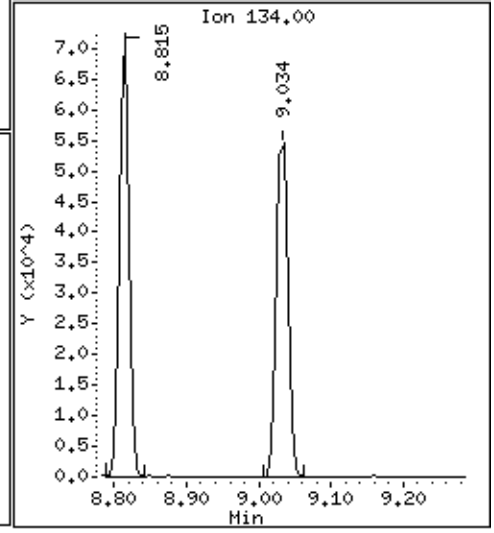












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

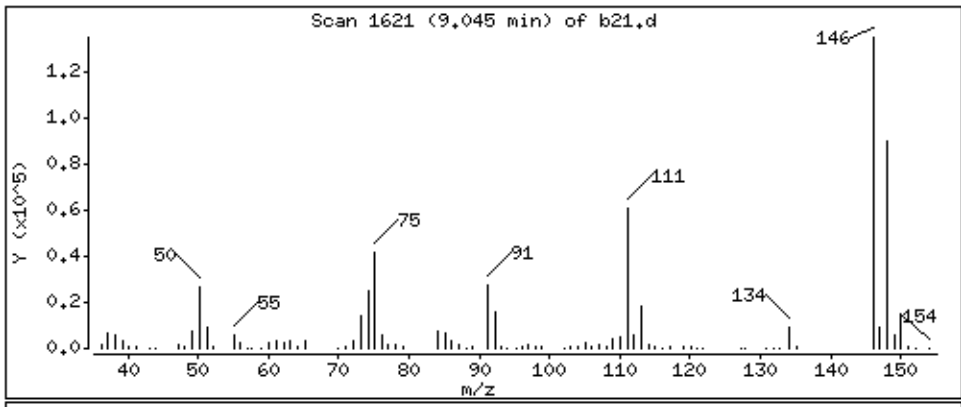
Column phase: DB-624

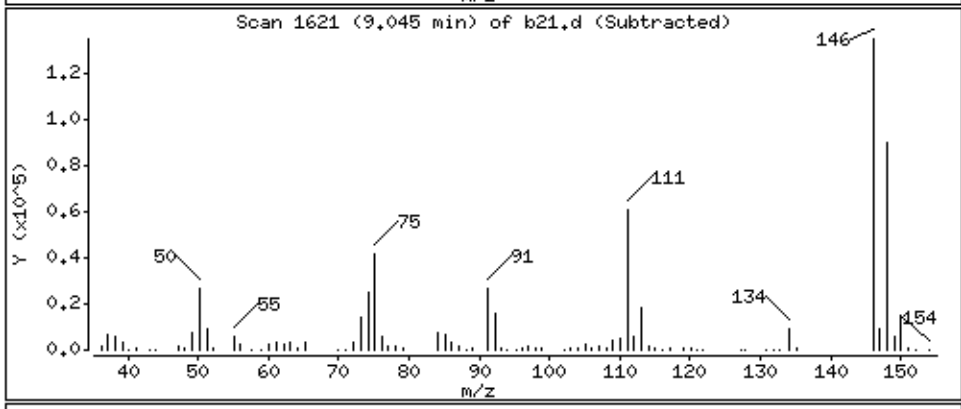
Column diameter: 0.18

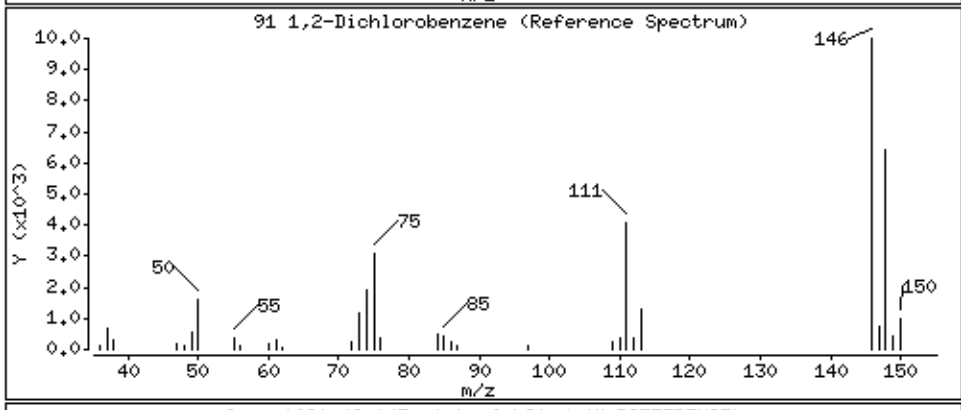
91 1,2-Dichlorobenzene

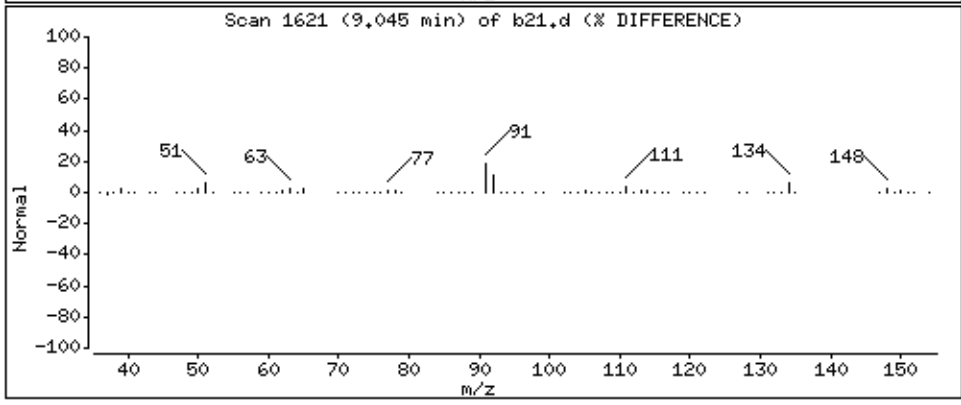
Concentration: 32.8 ppb

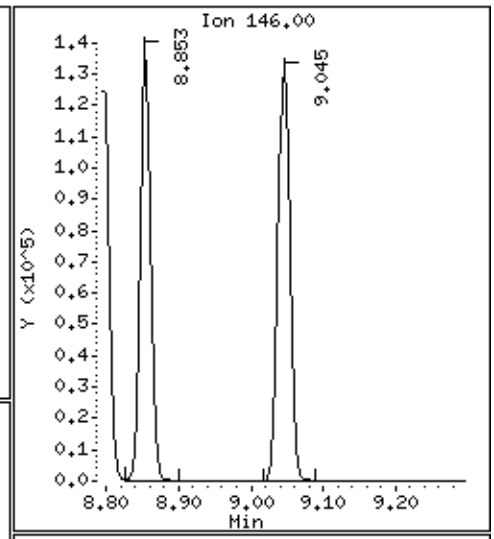
Review Code:

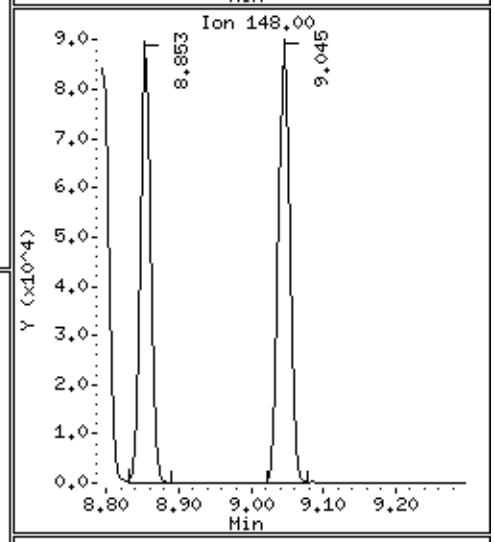


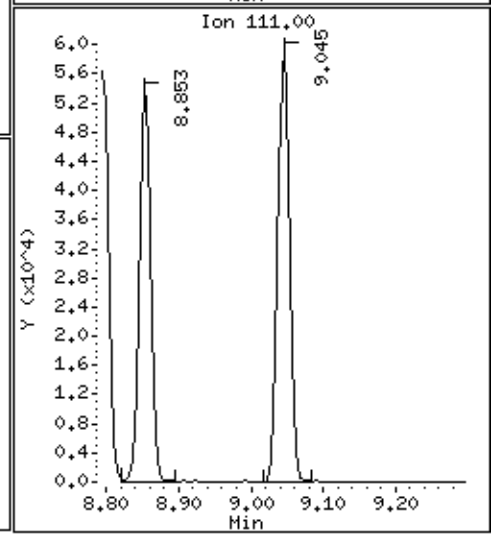












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

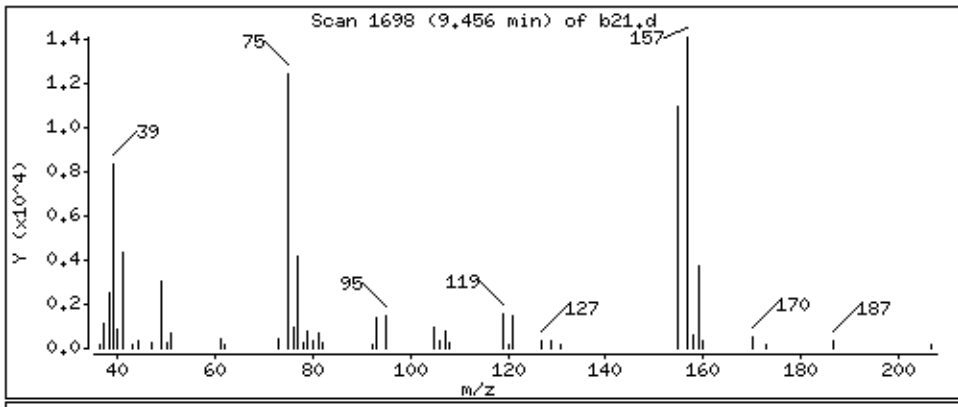
Column phase: DB-624

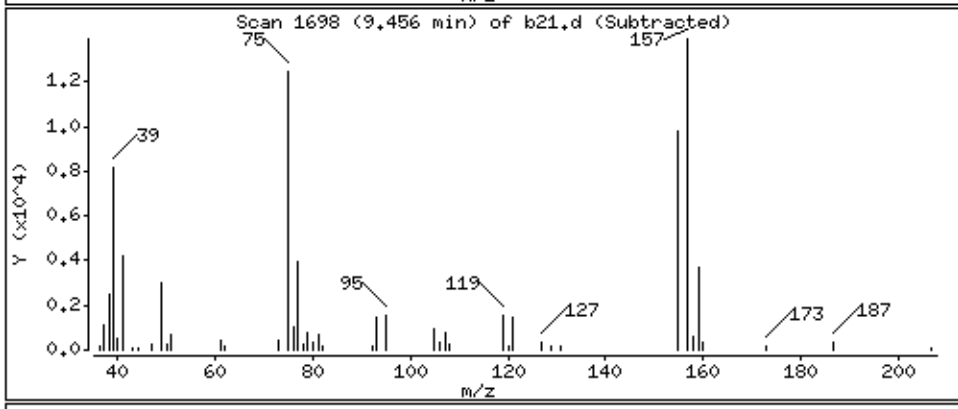
Column diameter: 0.18

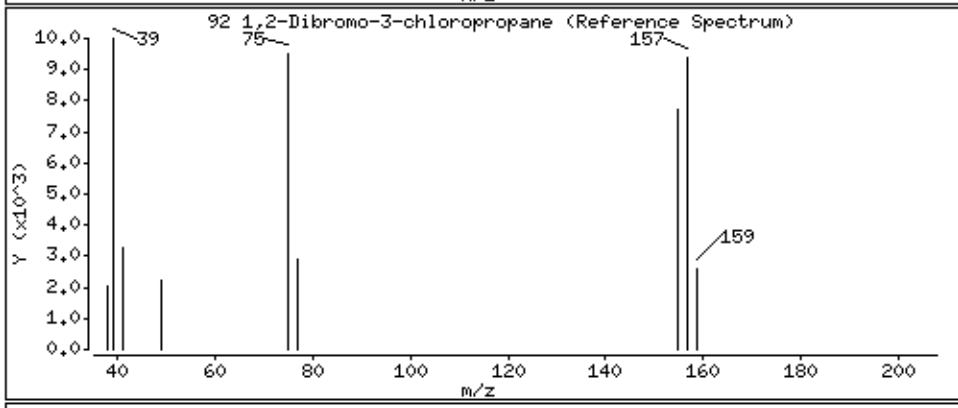
92 1,2-Dibromo-3-chloropropane

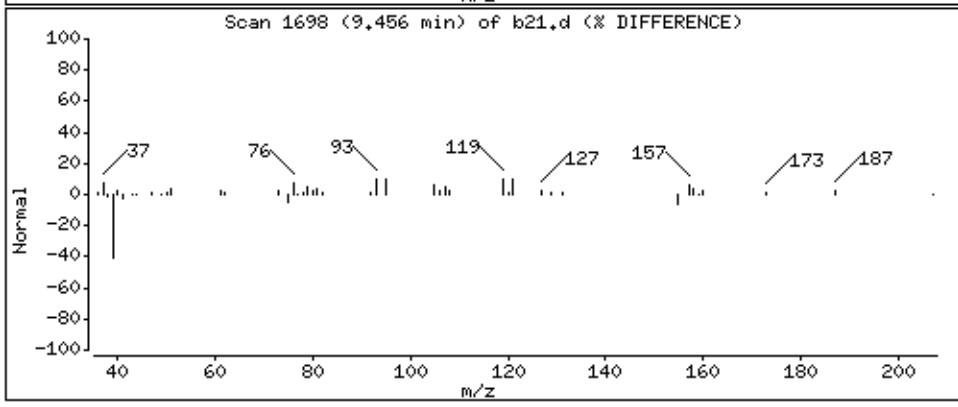
Concentration: 53.4 ppb

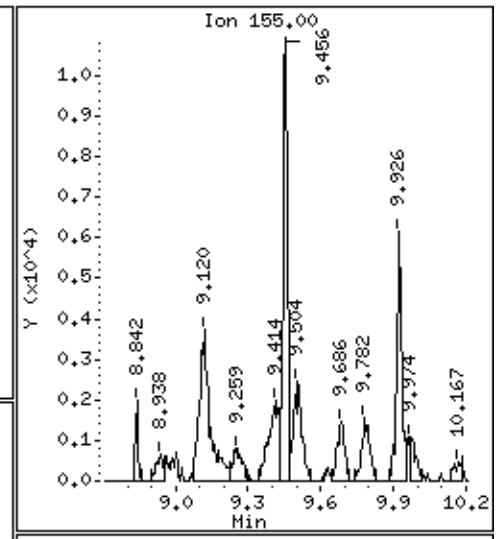
Review Code:

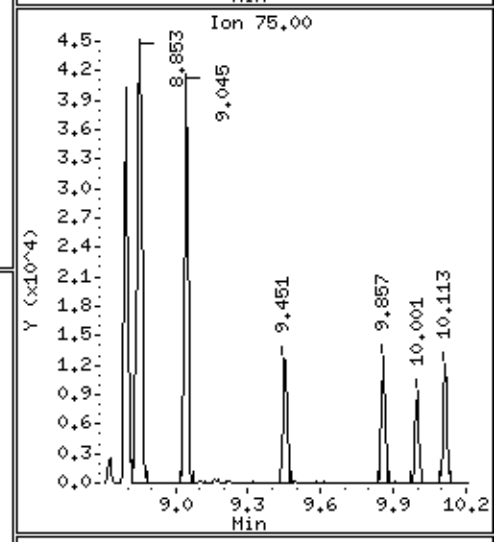


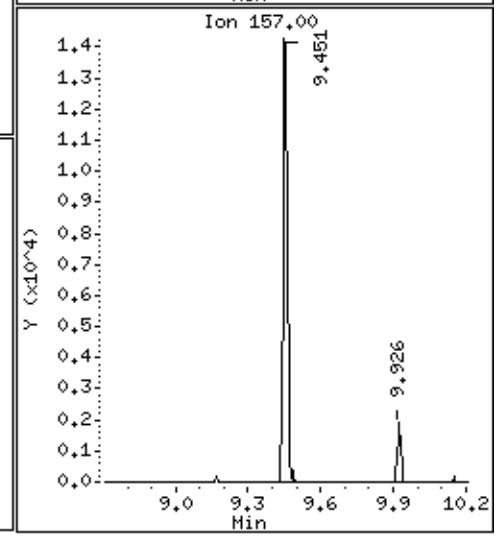












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

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Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

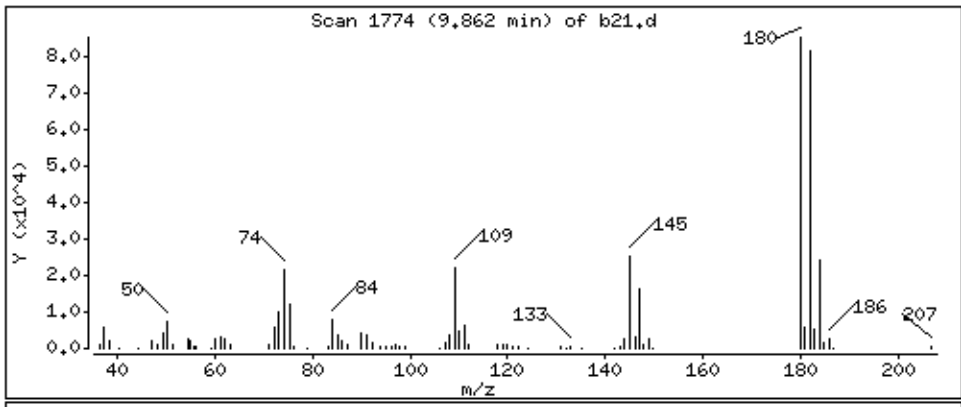
Column phase: DB-624

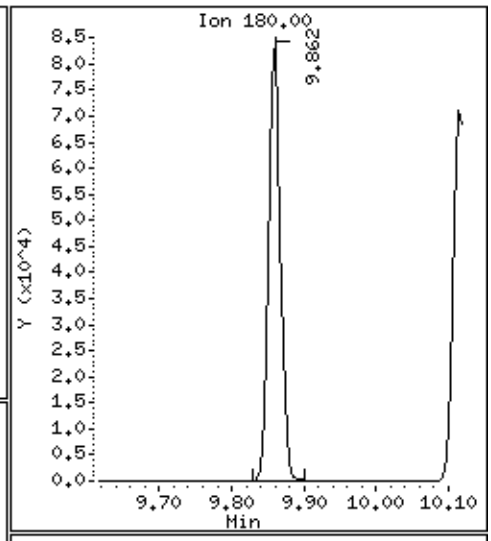
Column diameter: 0.18

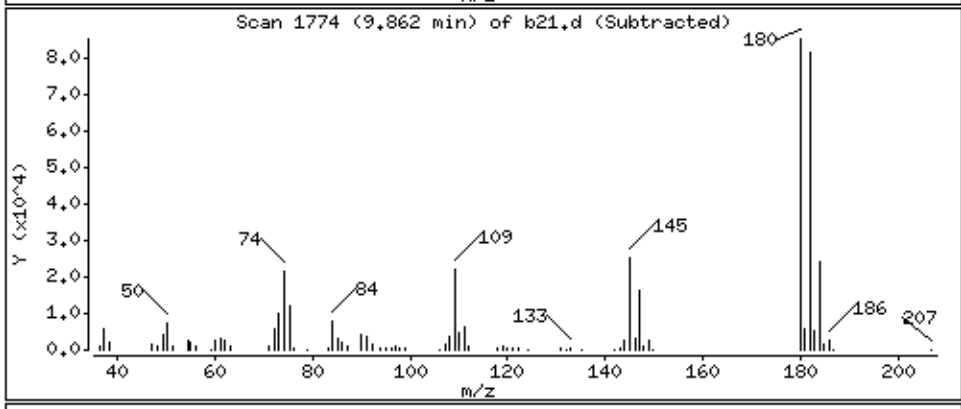
93 1,2,4-Trichlorobenzene

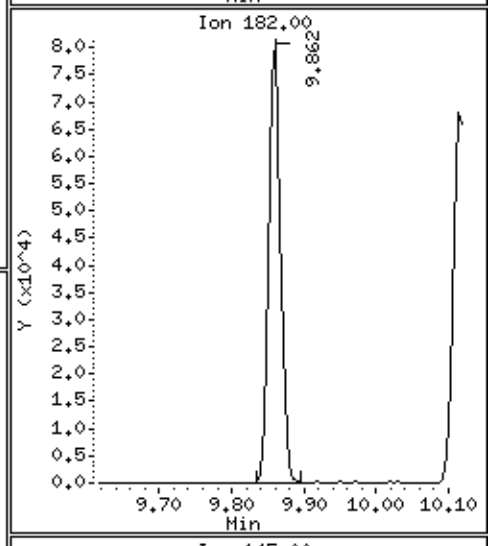
Concentration: 32.5 ppb

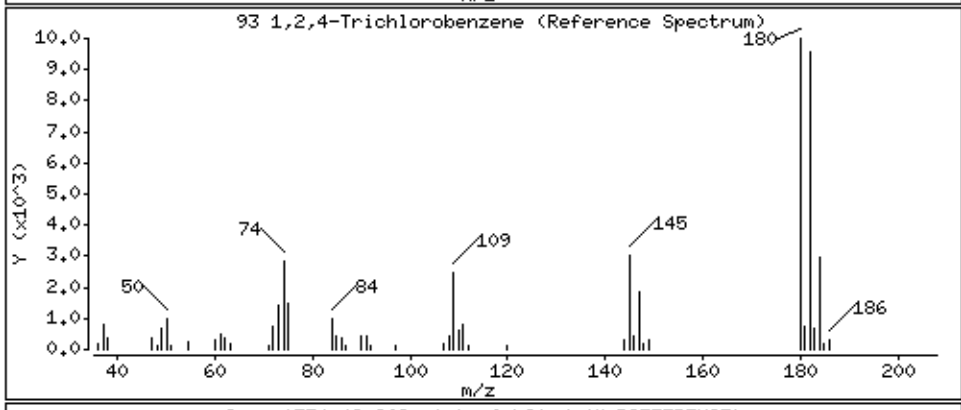
Review Code:

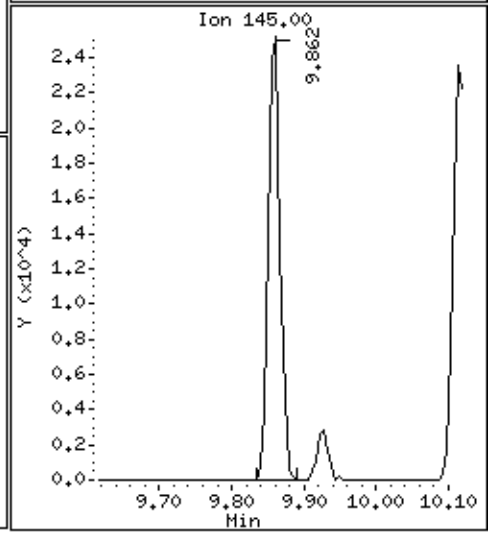


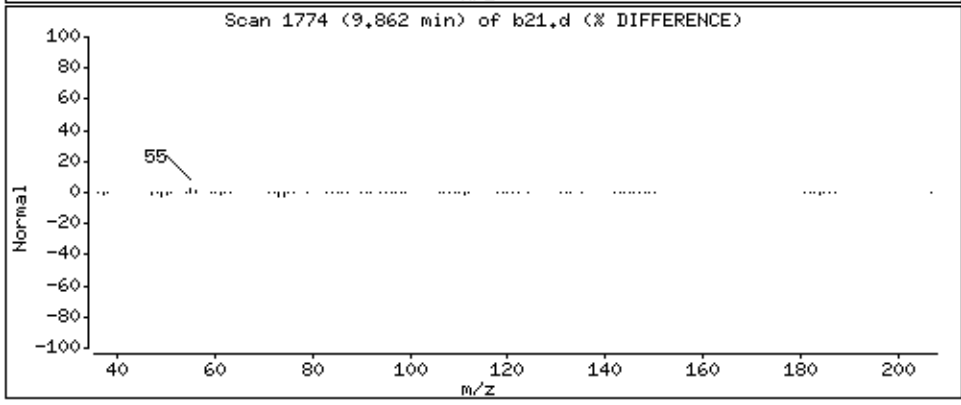












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Page 92

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

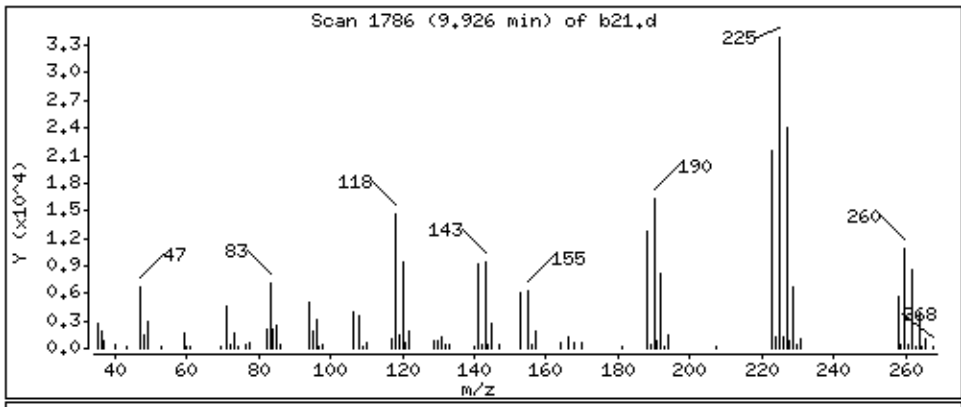
Column phase: DB-624

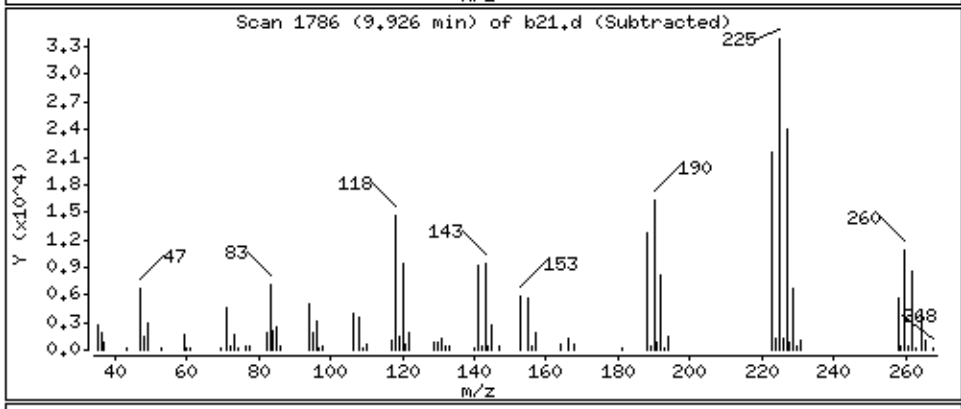
Column diameter: 0.18

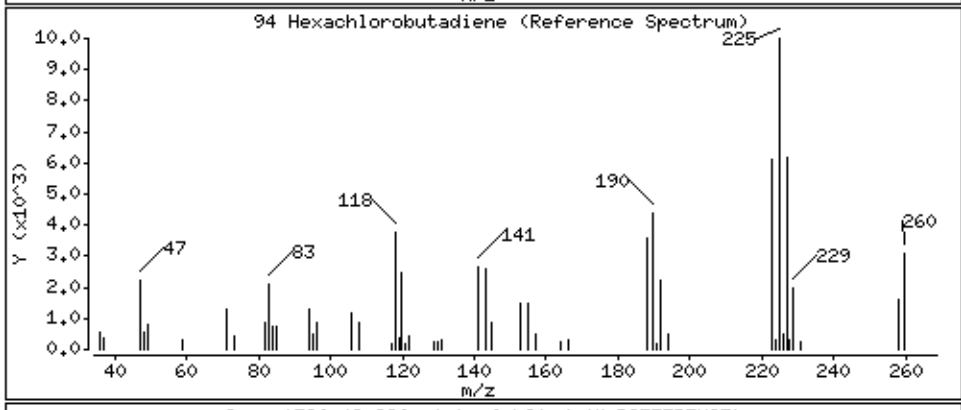
94 Hexachlorobutadiene

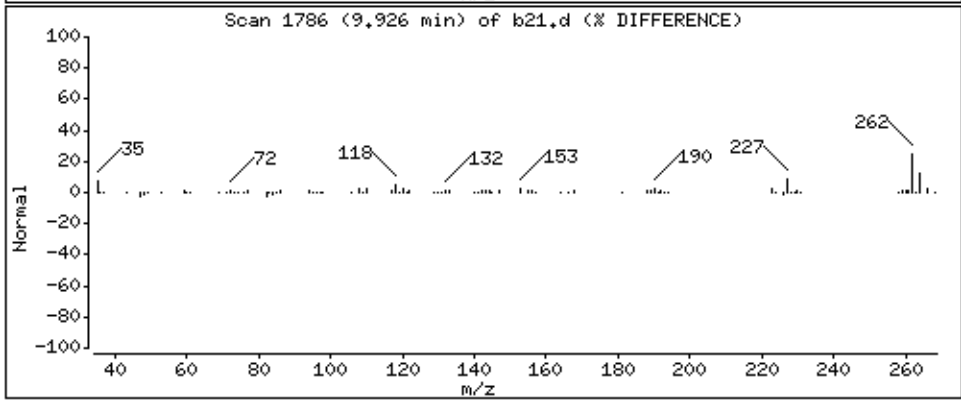
Concentration: 21.7 ppb

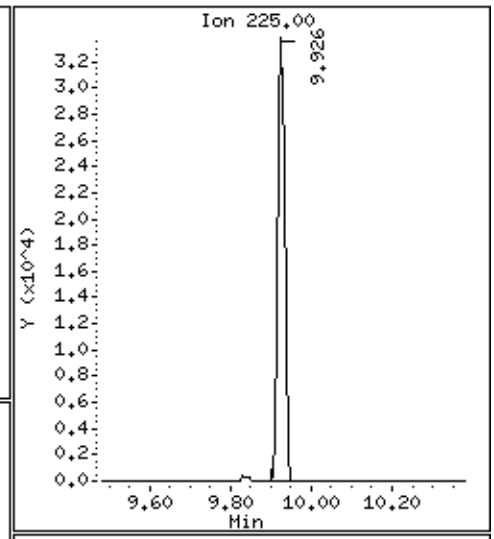
Review Code:

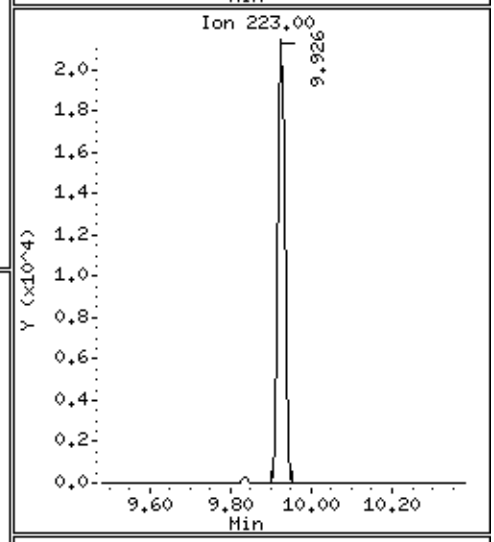


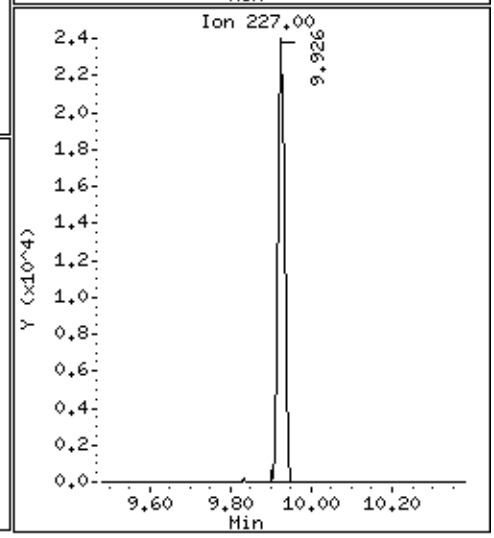












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

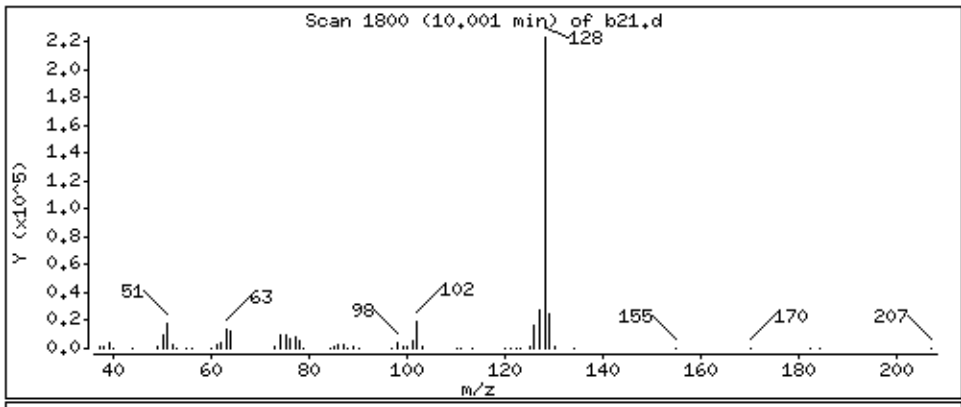
Column phase: DB-624

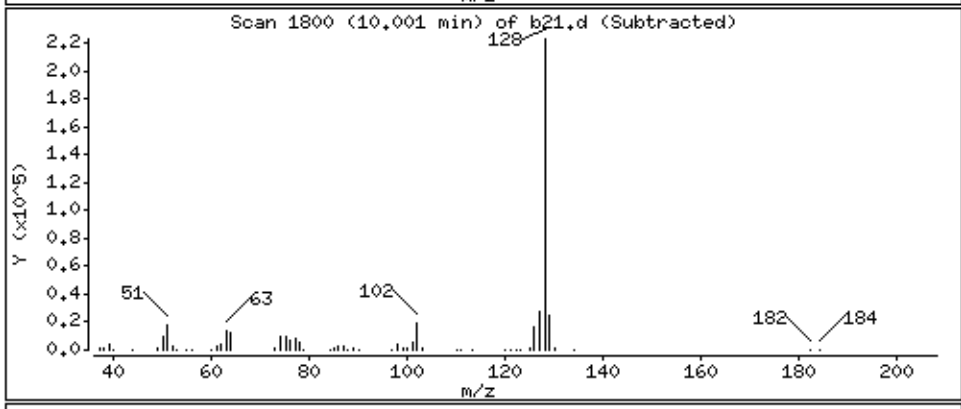
Column diameter: 0.18

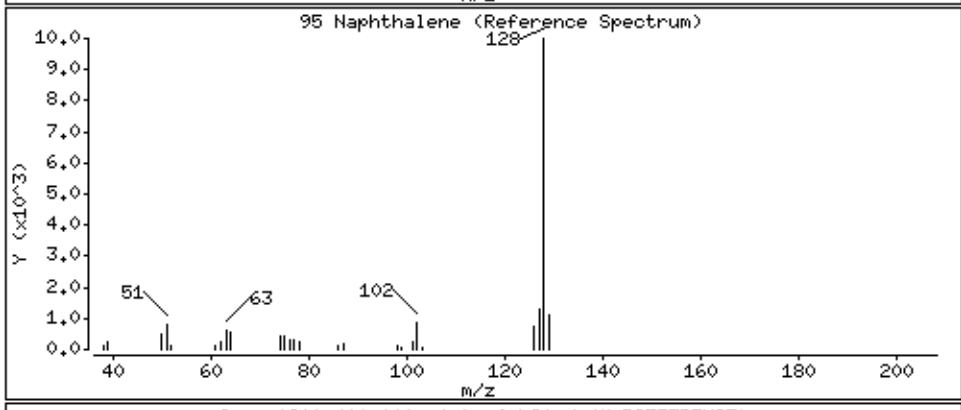
95 Naphthalene

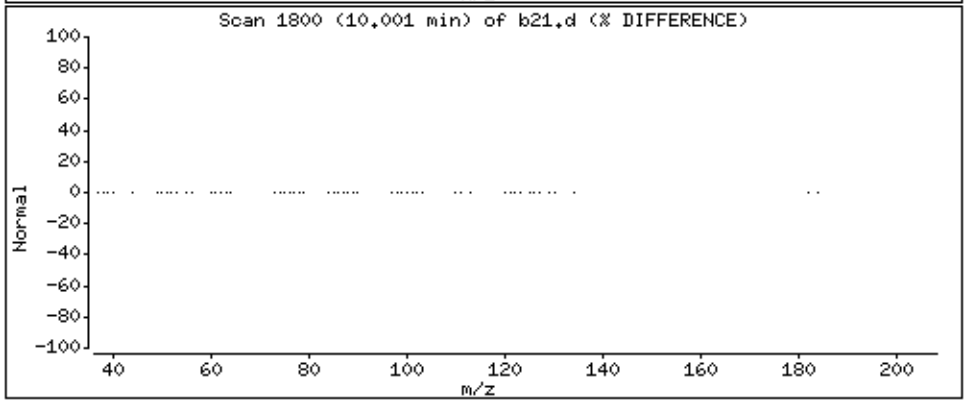
Concentration: 44.2 ppb

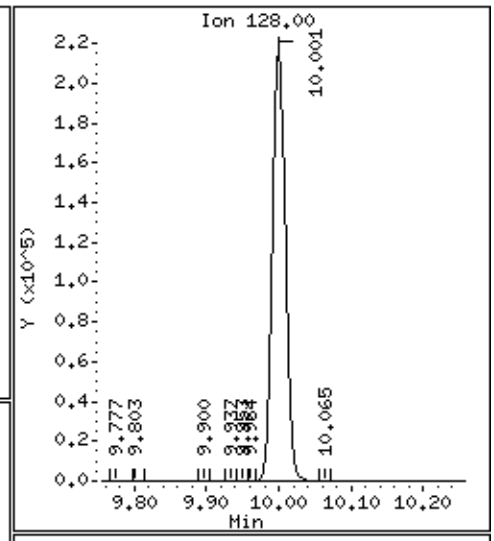
Review Code:

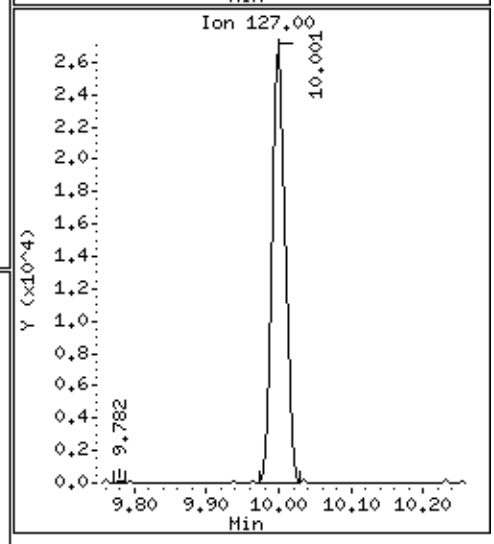












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

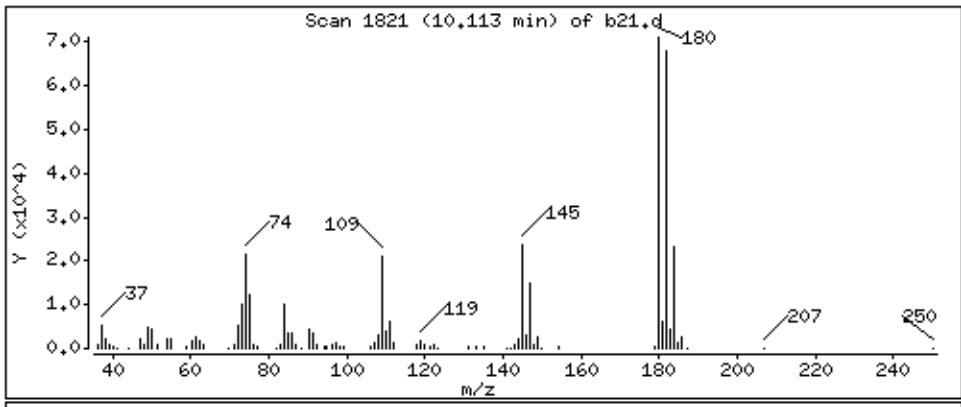
Column phase: DB-624

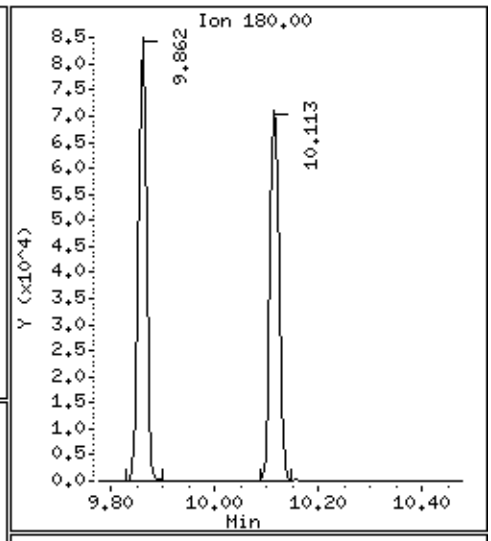
Column diameter: 0.18

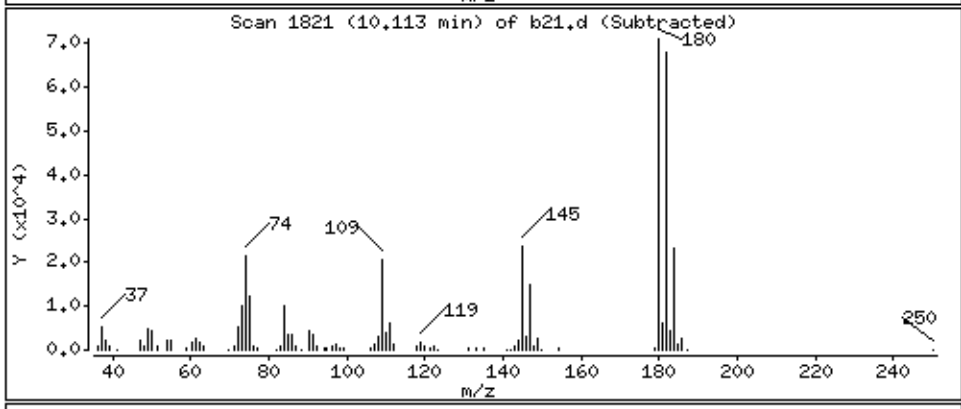
96 1,2,3-Trichlorobenzene

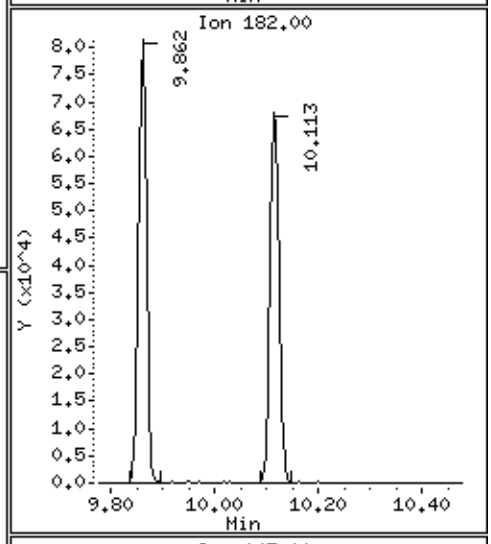
Concentration: 34.7 ppb

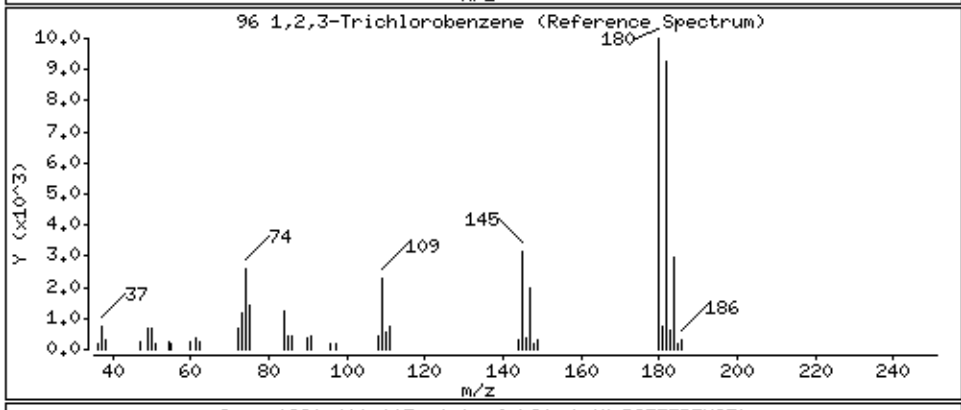
Review Code:

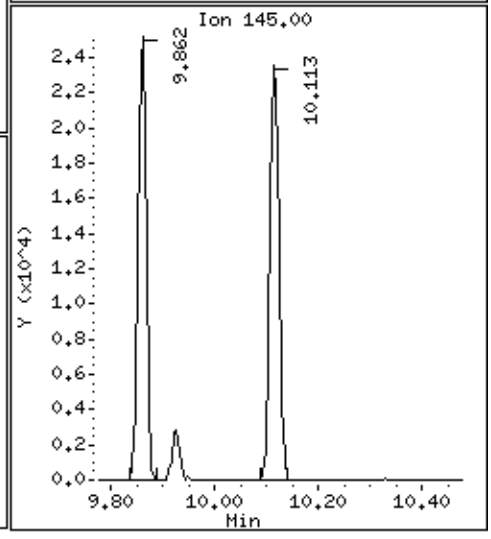


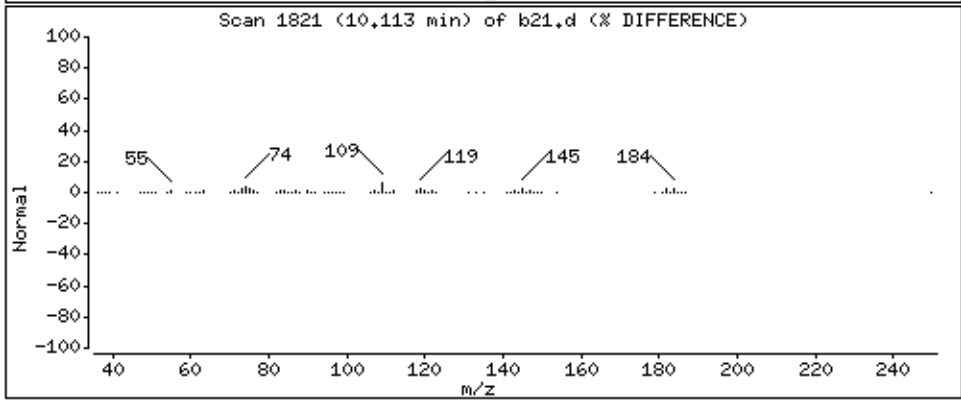












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

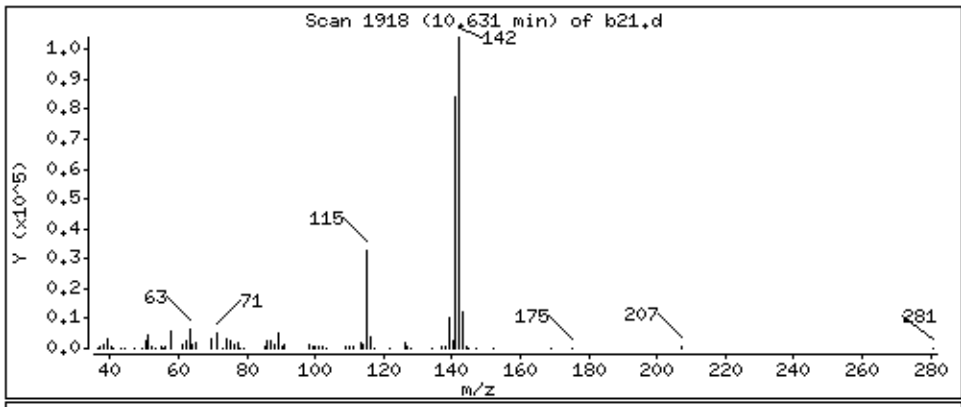
Column phase: DB-624

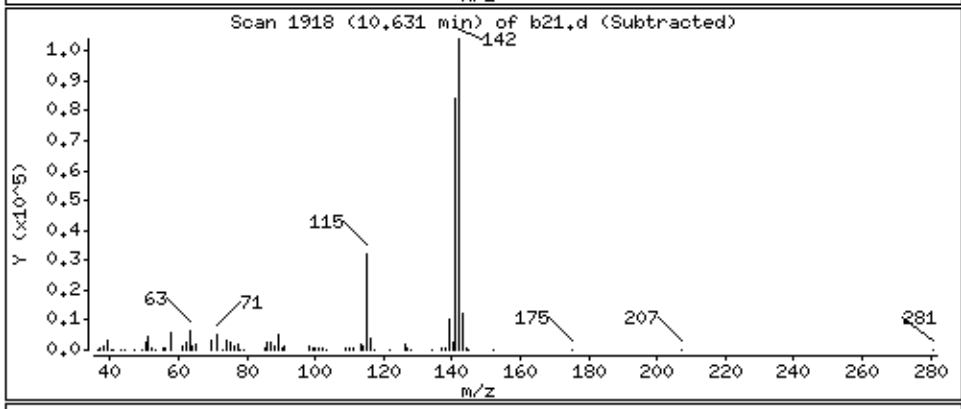
Column diameter: 0.18

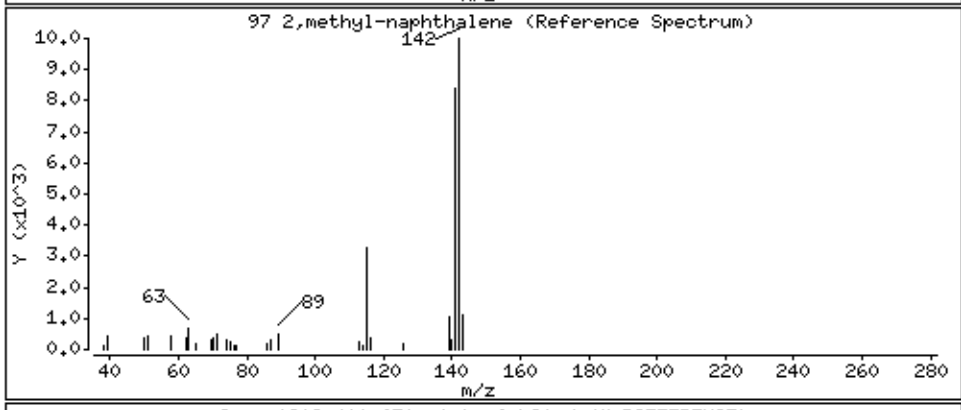
97 2,methyl-naphthalene

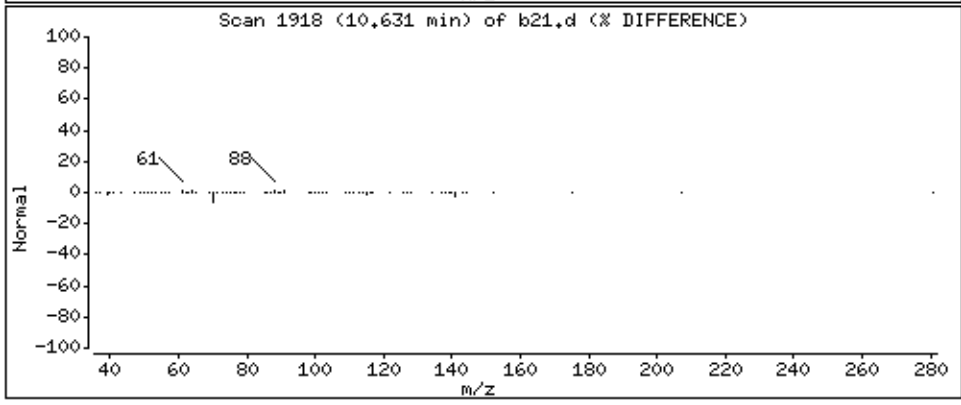
Concentration: 40.8 ppb

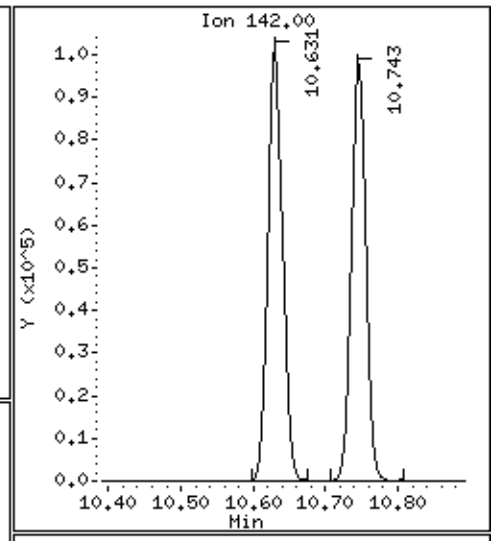
Review Code:

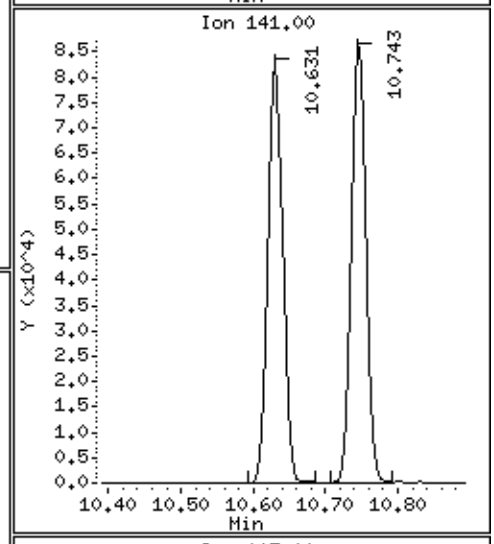


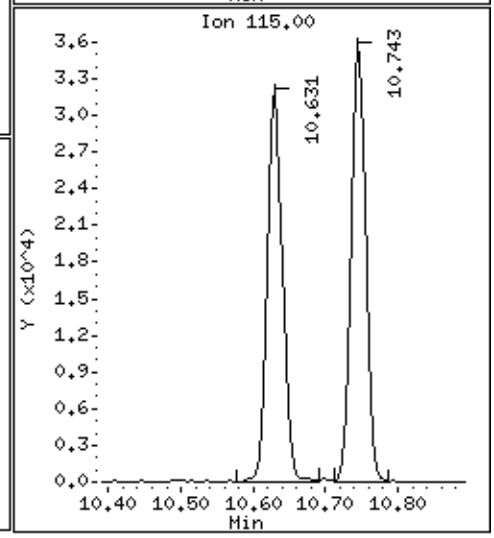












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

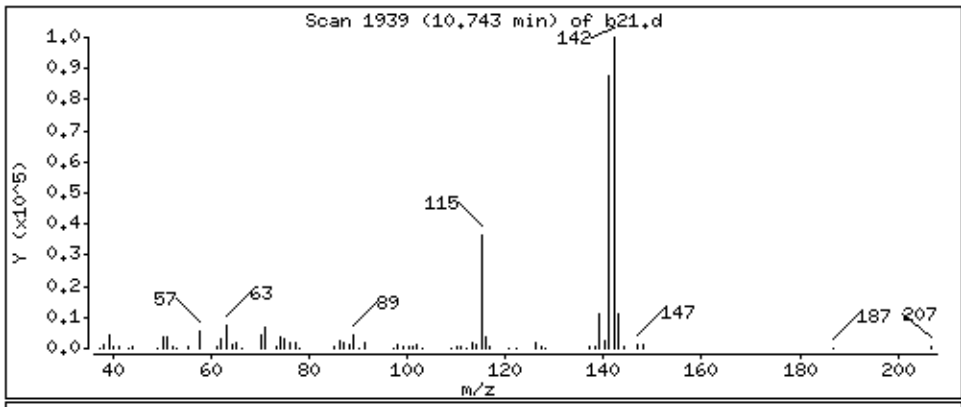
Column phase: DB-624

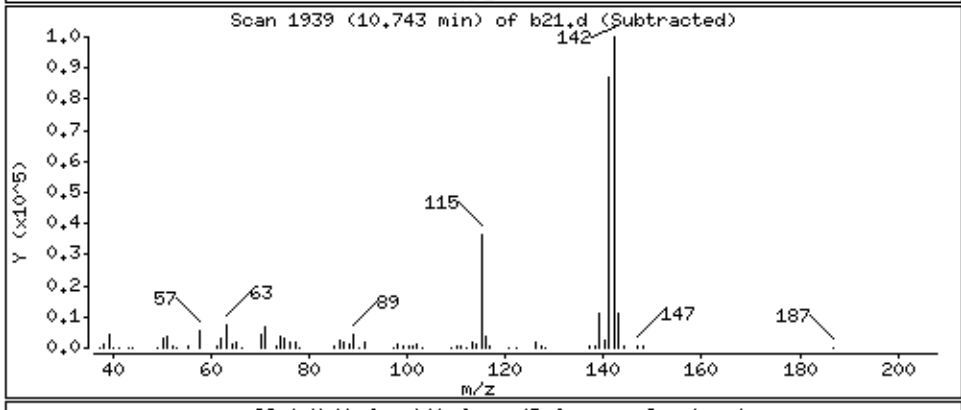
Column diameter: 0.18

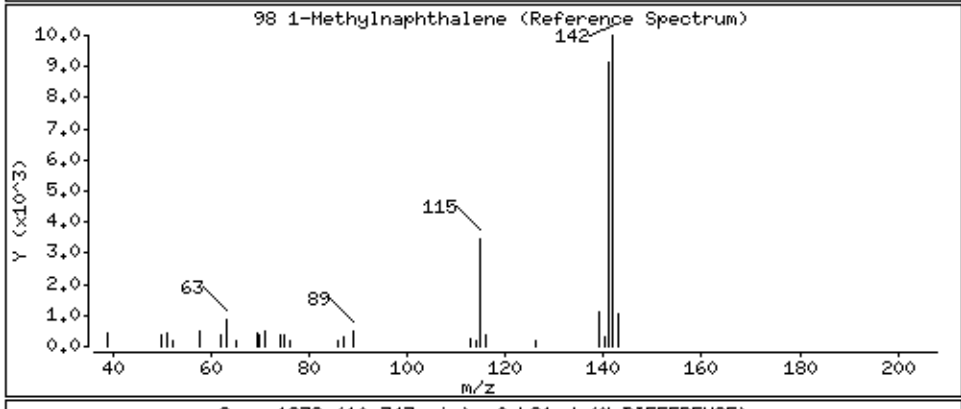
98 1-Methylnaphthalene

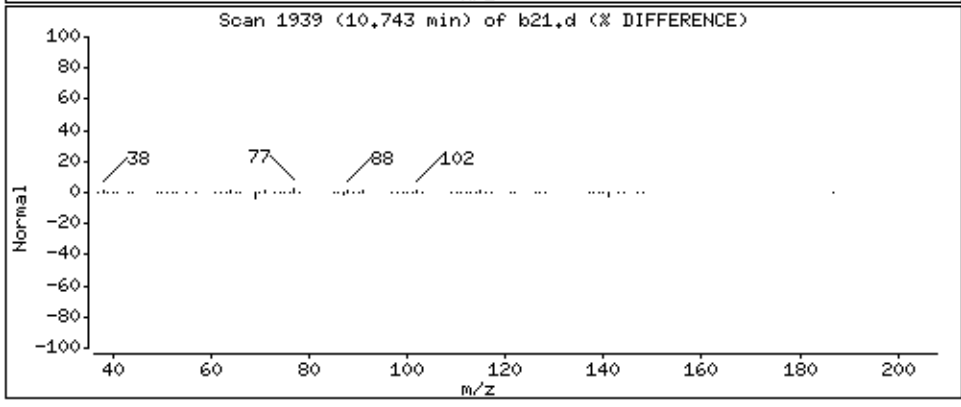
Concentration: 50.2 ppb

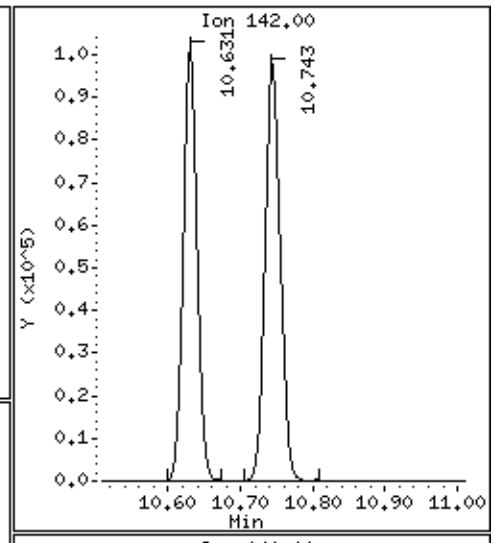
Review Code:

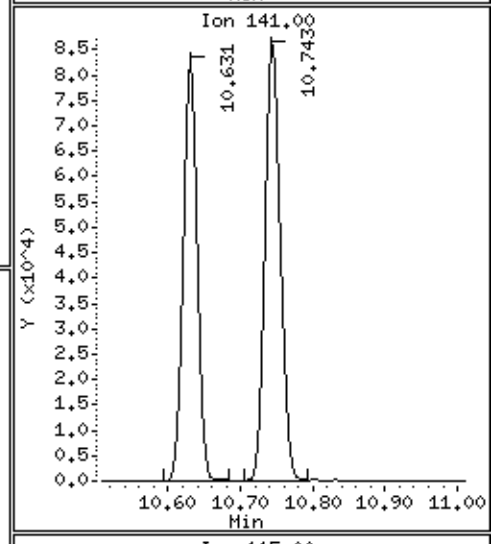


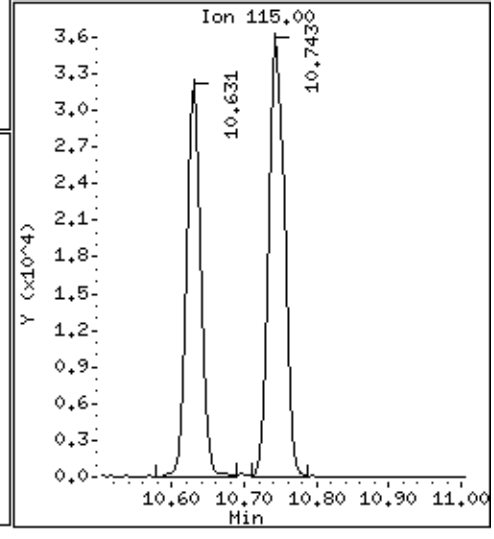












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

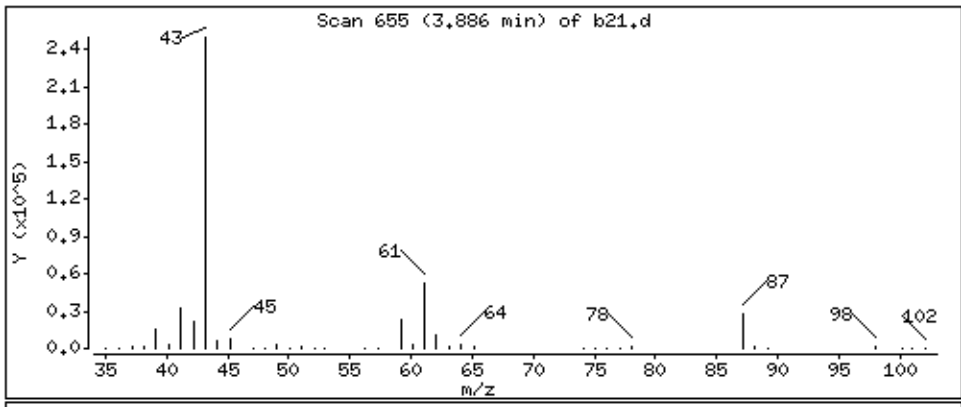
Column phase: DB-624

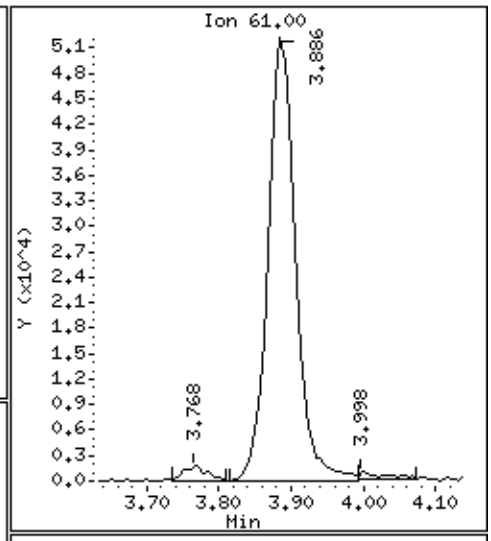
Column diameter: 0.18

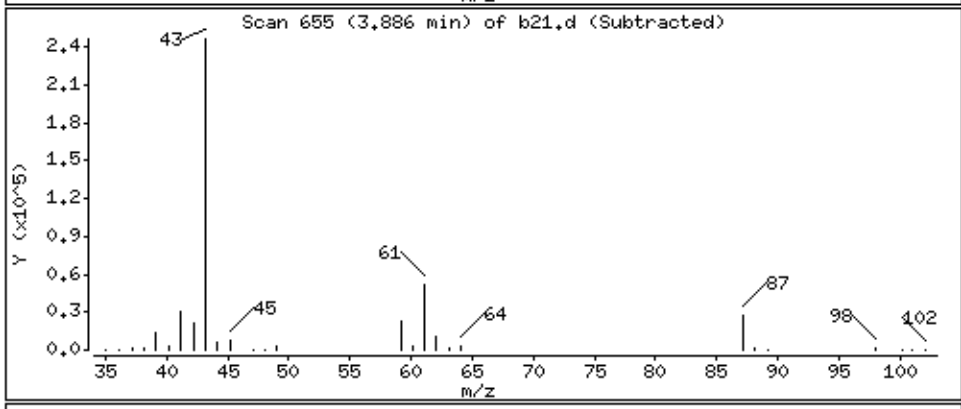
99 Isopropyl Acetate

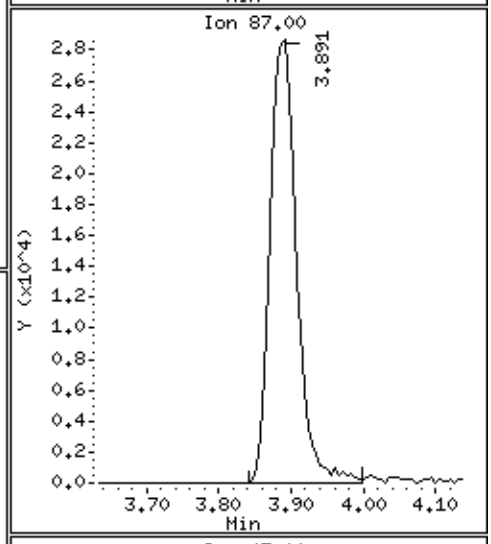
Concentration: 290 ppb

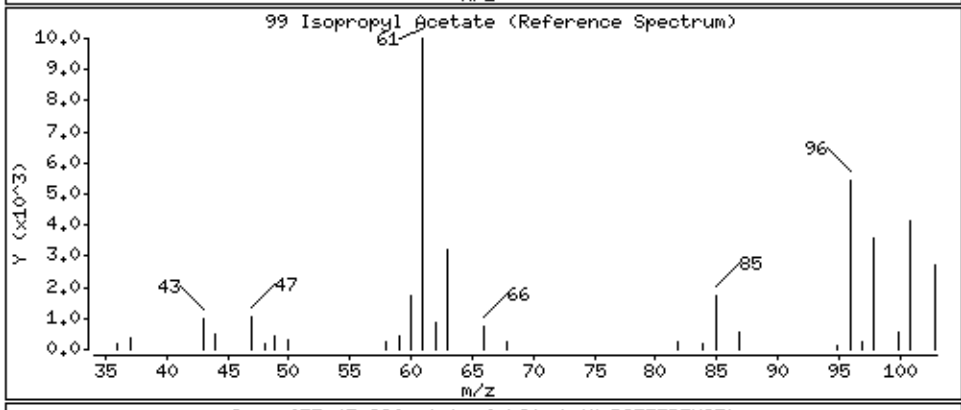
Review Code:

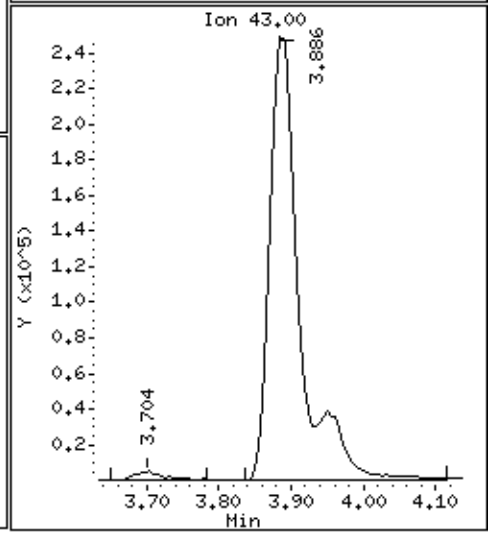


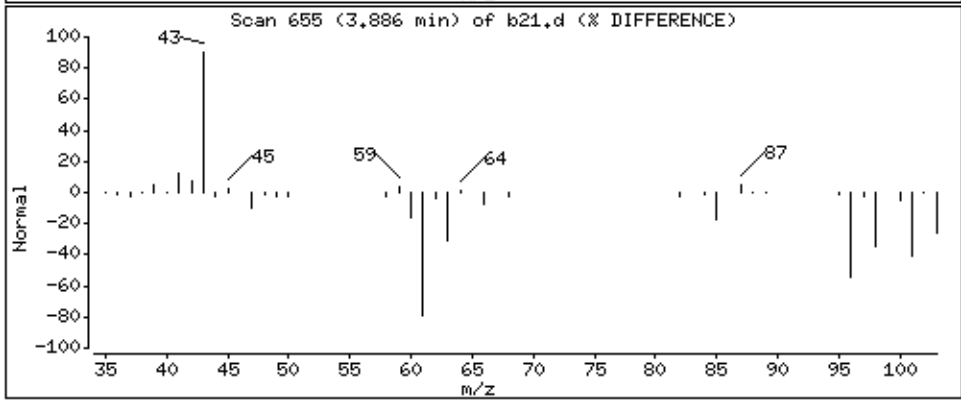












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

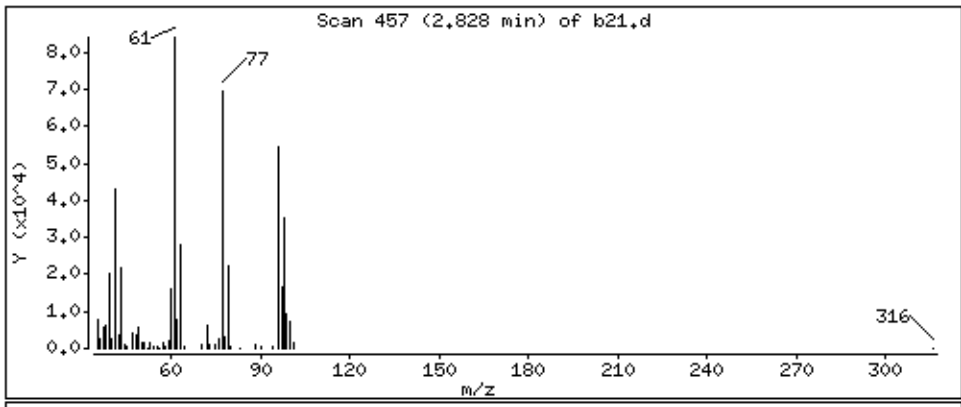
Column phase: DB-624

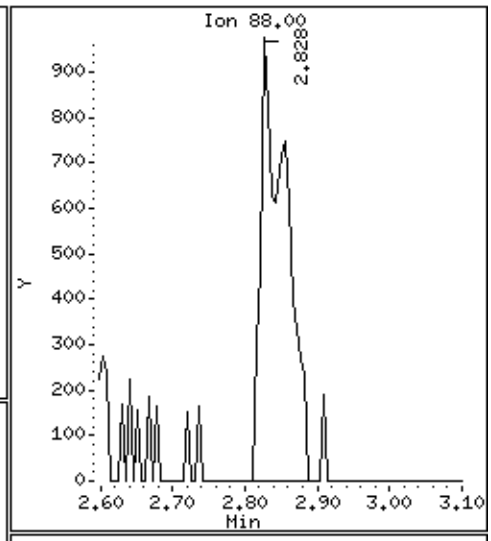
Column diameter: 0.18

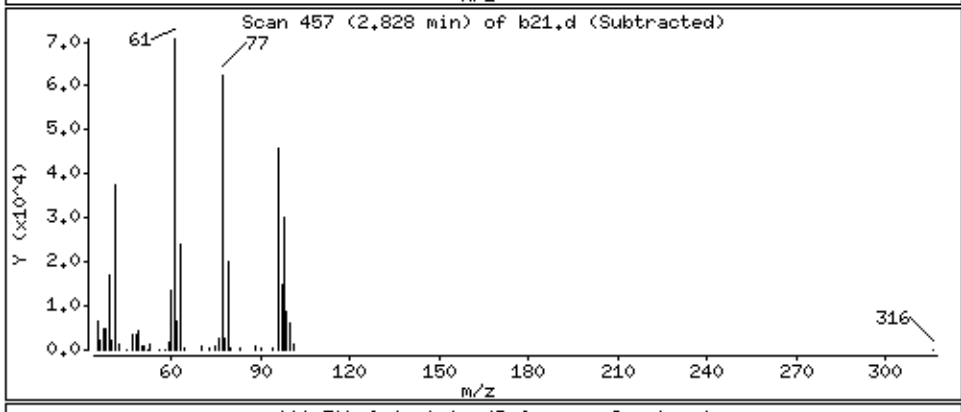
100 Ethyl Acetate

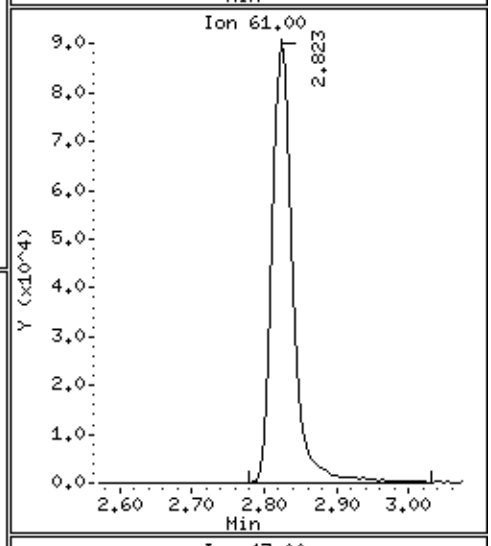
Concentration: 47.0 ppb

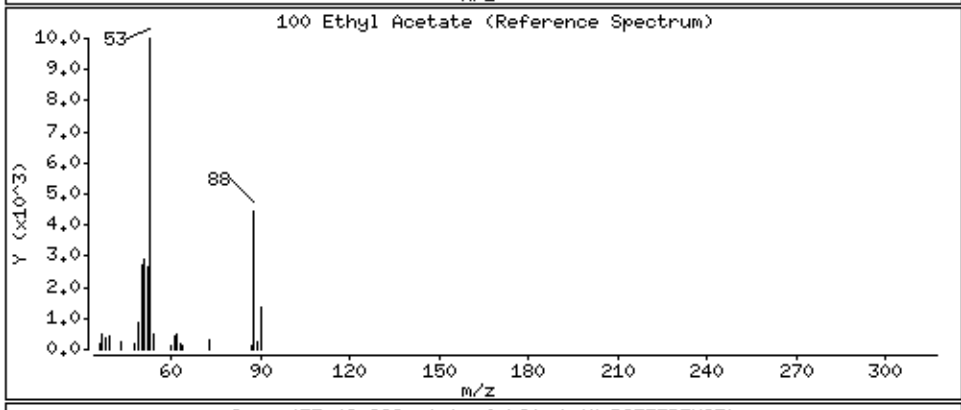
Review Code:

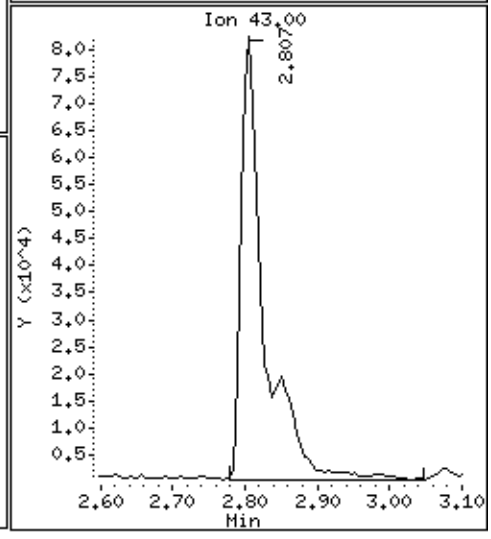


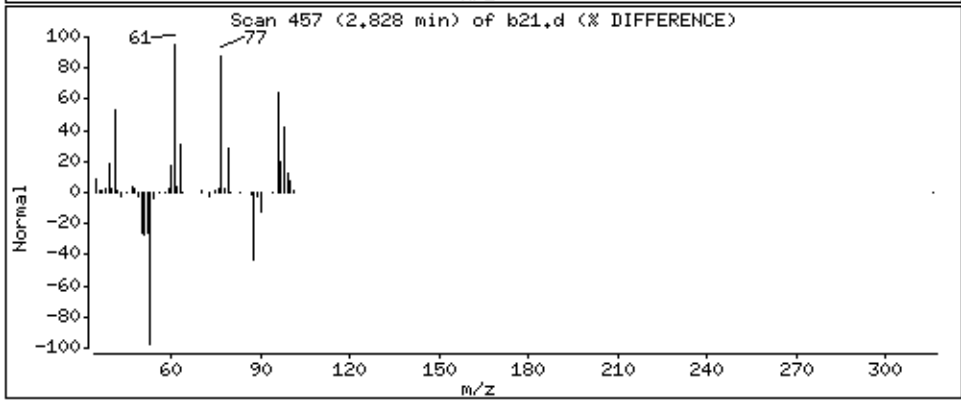












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b21.d

Date : 06-OCT-2016 23:25

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642751,132007:5

Purge Volume: 5.0

Operator: jlz

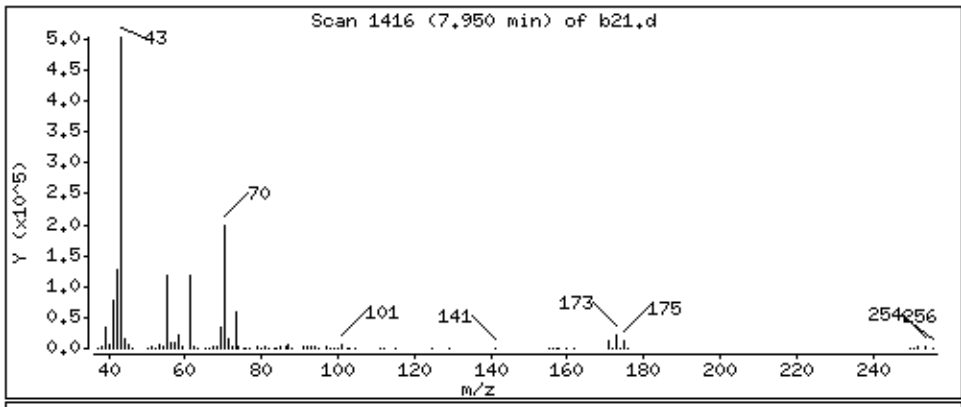
Column phase: DB-624

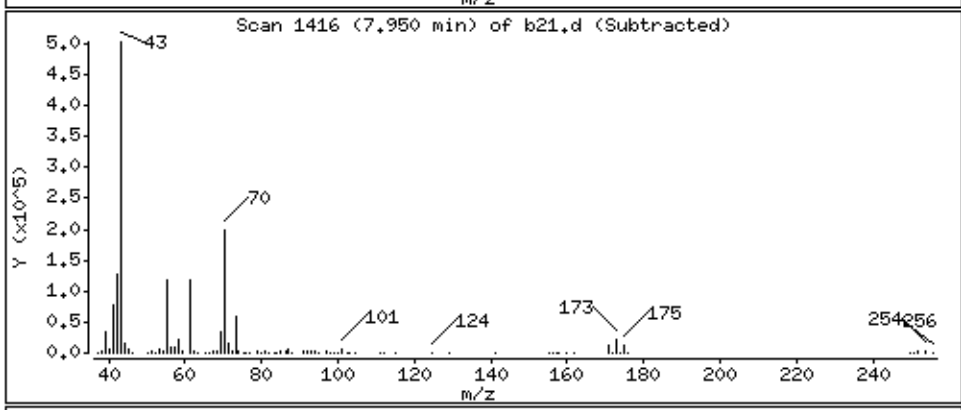
Column diameter: 0.18

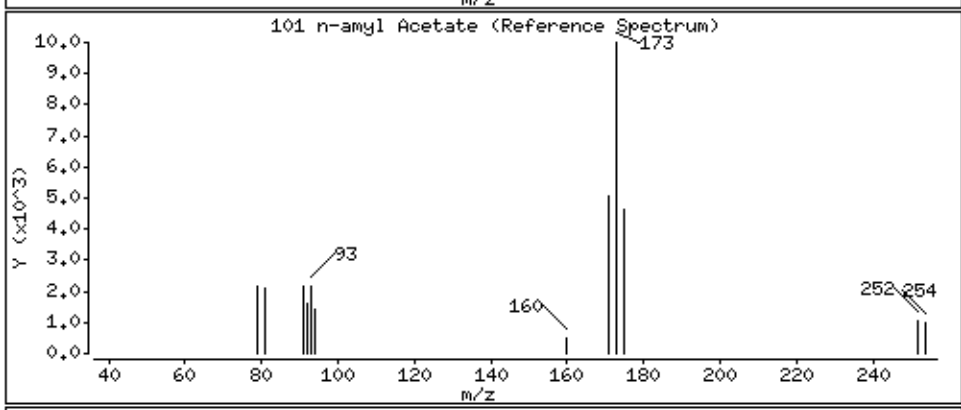
101 n-amyl Acetate

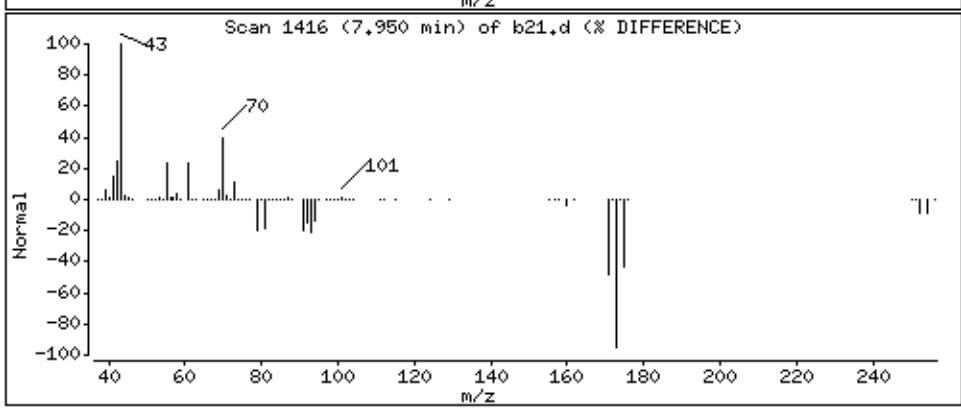
Concentration: 67.8 ppb

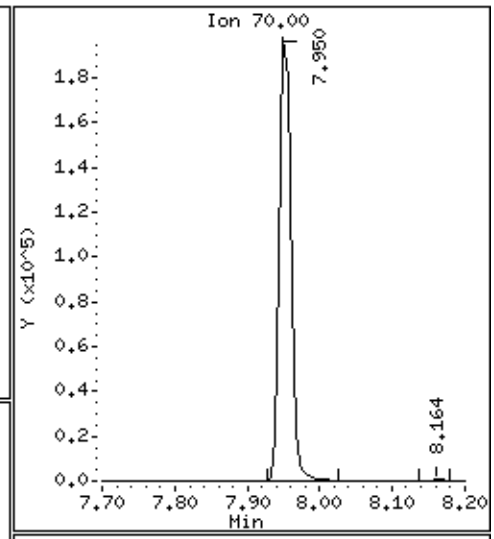
Review Code:

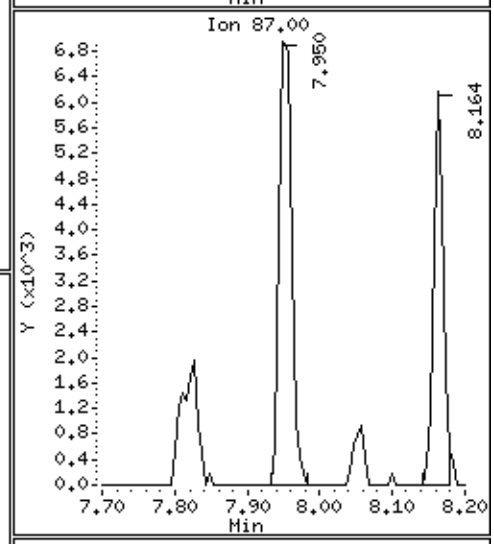


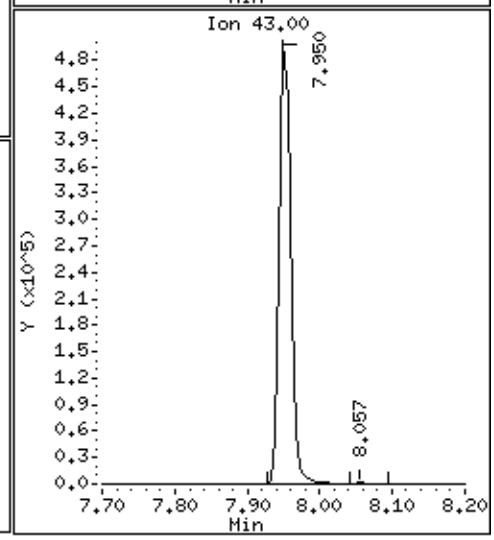












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/b21.d
Injection Date: 06-OCT-2016 23:25
Instrument: 50mv3b.i
Lab Sample ID: 1642751
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSD

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 23:57 Lab Sample ID: 1642752

Date Analyzed: 10/06/2016 23:57 Lab File ID: B100616.B\B22.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	428	
71-43-2	Benzene	48.1	
75-27-4	Bromodichloromethane	51.8	
75-25-2	Bromoform	48.9	
74-83-9	Bromomethane	43.9	
78-93-3	2-Butanone (MEK)	309	
75-15-0	Carbon disulfide	49.5	
56-23-5	Carbon tetrachloride	44.8	
108-90-7	Chlorobenzene	38.6	
75-00-3	Chloroethane	47.3	
67-66-3	Chloroform	46.1	
74-87-3	Chloromethane	41.6	
110-82-7	Cyclohexane	50.7	J
96-12-8	1,2-Dibromo-3-chloropropane	53.7	
124-48-1	Dibromochloromethane	52.5	
106-93-4	1,2-Dibromoethane (EDB)	53.4	
95-50-1	1,2-Dichlorobenzene	33.6	
541-73-1	1,3-Dichlorobenzene	30.3	
106-46-7	1,4-Dichlorobenzene	29.3	
75-71-8	Dichlorodifluoromethane	53.5	
75-34-3	1,1-Dichloroethane	50.4	
107-06-2	1,2-Dichloroethane	45.2	
75-35-4	1,1-Dichloroethene	53.8	
156-59-2	cis-1,2-Dichloroethene	52.0	
156-60-5	trans-1,2-Dichloroethene	49.8	
78-87-5	1,2-Dichloropropane	54.4	
10061-01-5	cis-1,3-Dichloropropene	49.4	
10061-02-6	trans-1,3-Dichloropropene	52.5	
100-41-4	Ethylbenzene	37.8	
591-78-6	2-Hexanone	309	
98-82-8	Isopropylbenzene (Cumene)	34.0	
79-20-9	Methyl acetate	67.8	
108-87-2	Methylcyclohexane	50.8	
75-09-2	Methylene Chloride	62.2	
108-10-1	4-Methyl-2-pentanone (MIBK)	287	
1634-04-4	Methyl-tert-butyl ether	55.8	
100-42-5	Styrene	40.1	

SAMPLE NO.

MSD

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/06/2016 23:57 Lab Sample ID: 1642752

Date Analyzed: 10/06/2016 23:57 Lab File ID: B100616.B\B22.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	54.8	
127-18-4	Tetrachloroethene	36.0	
108-88-3	Toluene	38.9	
120-82-1	1,2,4-Trichlorobenzene	32.6	
71-55-6	1,1,1-Trichloroethane	45.5	
79-00-5	1,1,2-Trichloroethane	54.8	
79-01-6	Trichloroethene	44.5	
75-69-4	Trichlorofluoromethane	47.5	
76-13-1	1,1,2-Trichlorotrifluoroethane	51.1	
75-01-4	Vinyl chloride	50.8	
1330-20-7	Xylene (Total)	113	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d
Lab Smp Id: 1642752 Client Smp ID: MW-0501-S1(092716)P
Inj Date : 06-OCT-2016 23:57
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642752,132007:5
Misc Info : 95583
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 46 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.914	0.916	(0.219)	125561	53.5295	53.5	
2	Chloromethane	50	0.994	0.996	(0.238)	145108	41.5549	41.6	
3	Vinyl Chloride	62	1.042	1.044	(0.250)	152216	50.8217	50.8	
4	Bromomethane	94	1.192	1.188	(0.285)	57224	43.8758	43.9	
5	Chloroethane	64	1.235	1.236	(0.296)	82914	47.3019	47.3	
6	Trichlorofluoromethane	101	1.352	1.348	(0.324)	153726	47.4557	47.4	
7	Diethyl ether	74	1.475	1.471	(0.353)	52852	51.7971	51.8	
8	1,2-dichlorotrifluoroethane	67	1.491	1.487	(0.357)	121564	48.0050	48.0	
9	Acrolein	56	1.544	1.546	(0.370)	258969	1241.46	1240	
10	1,1,2trichlorotrifluoroethane	101	1.598	1.600	(0.383)	109150	51.0667	51.1	
11	1,1-Dichloroethene	96	1.603	1.600	(0.384)	96148	53.8013	53.8	
12	Acetone	43	1.614	1.610	(0.386)	157197	427.750	428(R)	
13	Iodomethane	142	1.689	1.690	(0.404)	200267	114.082	114	
14	Carbon Disulfide	76	1.737	1.738	(0.416)	299653	49.5238	49.5	
15	Methyl Acetate	43	1.785	1.781	(0.427)	73006	67.8158	67.8	
16	allyl chloride	41	1.795	1.797	(0.430)	367793	100.800	101	
17	Acetonitrile	39	1.795	1.797	(0.430)	225837	43.1613	43.2	
18	Methylene Chloride	84	1.870	1.872	(0.448)	123489	62.1794	62.2	
19	tert-Butyl Alcohol	59	1.913	1.915	(0.458)	16994	121.984	122(Q)	
20	Acrylonitrile	53	2.004	2.005	(0.480)	111575	229.718	230	
21	Methyl-tert-butyl ether	73	2.036	2.032	(0.487)	254659	55.8362	55.8	
22	1,2-Dichloroethene (trans)	96	2.046	2.048	(0.490)	101720	49.7912	49.8	
23	n-Hexane	57	2.233	2.230	(0.535)	207966	51.8059	51.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.340	2.337	(0.560)	595308	203.546	204	
	25 1,1-Dichloroethane	63	2.351	2.347	(0.563)	192572	50.3952	50.4	
	26 Chloroprene	53	2.404	2.406	(0.576)	176434	45.6045	45.6	
	27 2-Butanone	72	2.810	2.807	(0.673)	39716	308.949	309(Q)	
	28 1,2-Dichloroethene (cis)	96	2.826	2.823	(0.677)	112584	52.0373	52.0(Q)	
	29 2,2-Dichloropropane	77	2.832	2.828	(0.678)	145472	48.4126	48.4	
	30 Propionitrile	54	2.869	2.860	(0.687)	9910	54.1184	54.1(Q)	
	31 Methacrylonitrile	41	3.013	3.015	(0.721)	196296	237.497	237	
	32 Bromochloromethane	49	3.056	3.052	(0.732)	82039	48.8705	48.9	
	33 Tetrahydrofuran	42	3.077	3.074	(0.737)	21415	50.3291	50.3	
	34 Chloroform	83	3.168	3.164	(0.758)	167287	46.0651	46.1	
$	35 Dibromofluoromethane (S)	113	3.344	3.341	(0.801)	86292	47.1494	47.1	
	36 1,1,1-Trichloroethane	97	3.344	3.341	(0.801)	148374	45.4957	45.5	
	37 Cyclohexane	56	3.430	3.426	(0.821)	204083	50.6582	50.6	
	151 n-Butyl chloride	56	3.494	3.490	(0.836)	245231	49.3643	49.4	
	38 Carbon Tetrachloride	117	3.526	3.528	(0.844)	129335	44.7935	44.8	
	39 1,1-Dichloropropene	75	3.537	3.533	(0.847)	137641	45.5139	45.5	
	40 Benzene	78	3.777	3.773	(0.904)	400218	48.0747	48.1	
	41 1,2-Dichloroethane	62	3.862	3.859	(0.925)	112240	45.1772	45.2	
	42 Isobutyl alcohol	43	3.889	3.885	(0.931)	742088	59.3839	59.4	
	43 2,2,4-Trimethylpentane	57	3.953	3.950	(0.946)	507356	50.9798	51.0	
*	44 Fluorobenzene (IS)	96	4.177	4.174	(1.000)	397513	50.0000		
	45 Trichloroethene	95	4.626	4.623	(1.107)	88840	44.4922	44.5	
	46 Methylcyclohexane	55	4.893	4.890	(1.171)	164364	50.7836	50.8	
	47 1,2-Dichloropropane	63	4.931	4.927	(1.180)	107004	54.3938	54.4	
	48 Methyl methacrylate	69	5.043	5.045	(1.207)	51097	62.4713	62.5	
	49 Dibromomethane	93	5.027	5.023	(1.203)	45752	49.9273	49.9	
	50 1,4-Dioxane	88	5.032	5.034	(1.205)	15902	1294.18	1290	
	51 Bromodichloromethane	83	5.251	5.253	(1.257)	119087	51.8203	51.8	
	53 cis-1,3-Dichloropropene	75	5.748	5.744	(0.783)	144809	49.3651	49.4	
	54 4-Methyl-2-Pentanone	43	5.919	5.920	(0.806)	366434	286.589	286	
$	55 Toluene-d8 (S)	98	6.020	6.022	(0.820)	385582	47.4245	47.4	
	56 Toluene	91	6.095	6.097	(0.830)	393054	38.8939	38.9	
	57 trans-1,3-Dichloropropene	75	6.383	6.380	(0.869)	120446	52.5483	52.5	
	58 Ethyl Methacrylate	69	6.463	6.465	(0.880)	427226	238.327	238	
	59 1,1,2-Trichloroethane	83	6.565	6.567	(0.894)	61395	54.8153	54.8	
	60 Tetrachloroethene	166	6.618	6.620	(0.901)	81379	36.0357	36.0	
	61 1,3-Dichloropropane	76	6.709	6.706	(0.913)	132672	55.1593	55.2	
	62 2-Hexanone	43	6.773	6.775	(0.922)	258316	308.519	308	
	63 Dibromochloromethane	129	6.891	6.893	(0.938)	85417	52.5429	52.5	
	64 1,2-Dibromoethane	107	6.976	6.973	(0.950)	67863	53.4325	53.4	
*	65 Chlorobenzene-D5 (IS)	117	7.345	7.347	(1.000)	275218	50.0000		
	66 Chlorobenzene	112	7.366	7.368	(1.003)	221363	38.5666	38.6	
	67 1,1,1,2-Tetrachloroethane	131	7.446	7.443	(1.014)	83418	46.9546	47.0	
	68 Ethylbenzene	106	7.452	7.448	(1.015)	120281	37.8196	37.8	
	69 m&p-Xylene	106	7.548	7.549	(1.028)	287442	73.3003	73.3(R)	
	70 o-Xylene	106	7.809	7.811	(1.063)	144606	40.0635	40.1	
	71 Styrene	104	7.825	7.822	(1.065)	243047	40.1049	40.1	
	72 Bromoform	173	7.943	7.945	(0.898)	44010	48.9431	48.9	
	73 Isopropylbenzene	105	8.055	8.052	(1.097)	356278	34.0080	34.0(R)	
$	74 4-Bromofluorobenzene (S)	95	8.162	8.164	(1.111)	138316	54.0450	54.0	
	75 Bromobenzene	77	8.242	8.244	(1.122)	140430	40.0794	40.1	
	76 1,1,2,2-Tetrachloroethane	83	8.258	8.254	(0.934)	87259	54.7705	54.8	
	77 trans-1,4-Dichloro-2-butene	53	8.274	8.276	(1.127)	100321	215.244	215(Q)	

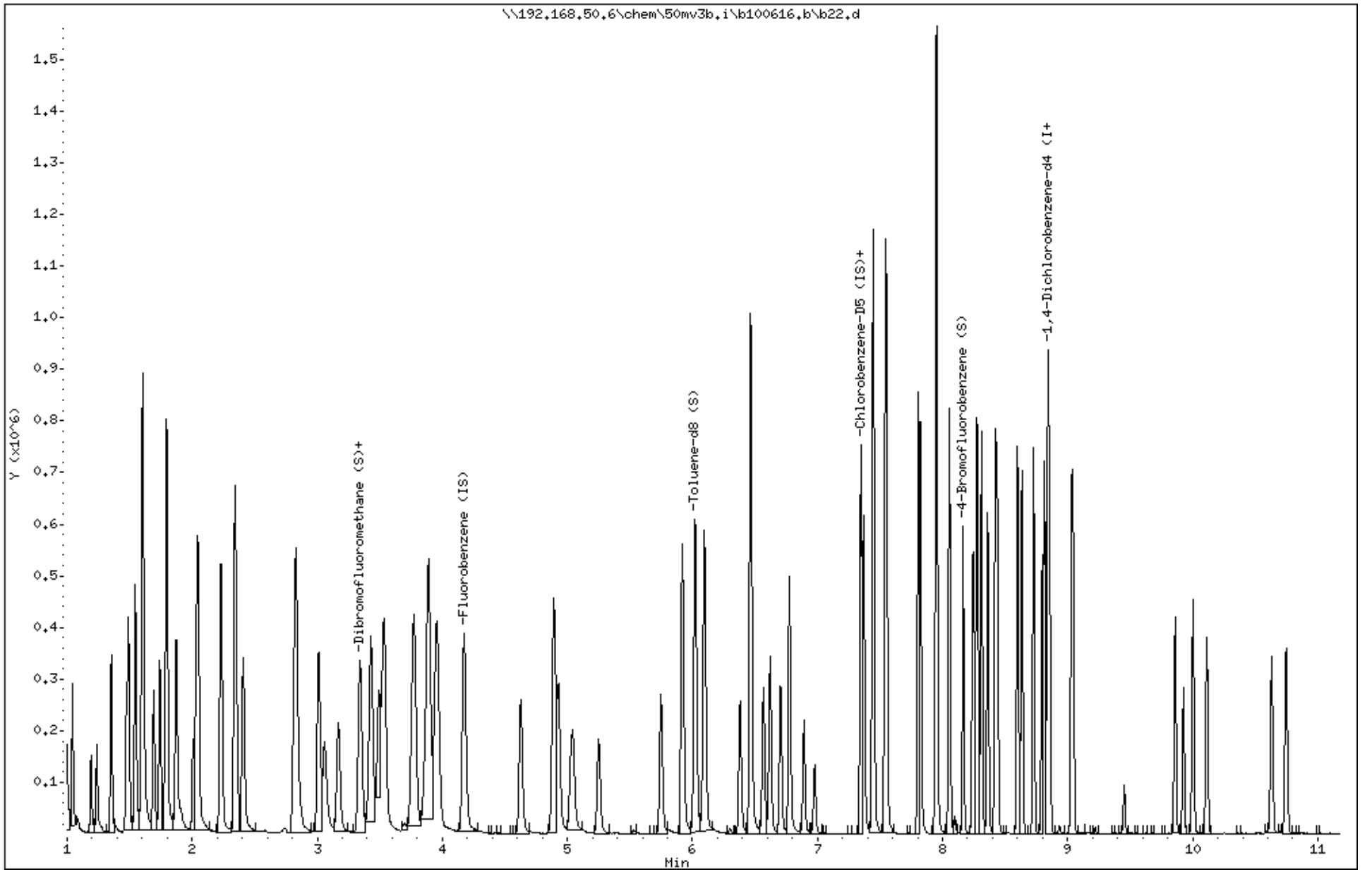
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	1,2,3-Trichloropropane	110	8.285	8.287	(0.937)	27509	58.6228	58.6(Q)	
79	n-Propylbenzene	91	8.311	8.313	(0.940)	366281	29.9233	29.9(R)	
80	2-Chlorotoluene	91	8.360	8.361	(0.946)	233950	33.8259	33.8(R)	
81	1,3,5-Trimethylbenzene	105	8.418	8.420	(0.952)	254743	30.4668	30.5(R)	
82	4-Chlorotoluene	126	8.434	8.436	(0.954)	73279	29.8666	29.9(R)	
83	tert-Butylbenzene	119	8.600	8.602	(0.973)	239664	24.6596	24.6(R)	
84	1,2,4-Trimethylbenzene	105	8.637	8.634	(0.977)	261885	30.5716	30.6(R)	
85	sec-Butylbenzene	105	8.728	8.730	(0.987)	322929	28.0286	28.0(R)	
86	1,3-Dichlorobenzene	146	8.797	8.794	(0.995)	138438	30.3041	30.3(R)	
87	p-Isopropyltoluene	119	8.814	8.815	(0.997)	251343	25.8619	25.9(R)	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.842	(1.000)	140007	50.0000		
89	1,4-Dichlorobenzene	146	8.856	8.853	(1.002)	138379	29.2521	29.2(R)	
90	n-Butylbenzene	91	9.033	9.029	(1.022)	198040	22.2735	22.3(R)	
91	1,2-Dichlorobenzene	146	9.043	9.045	(1.023)	139713	33.6317	33.6(R)	
92	1,2-Dibromo-3-chloropropane	155	9.454	9.456	(1.069)	12442	53.7335	53.7	
93	1,2,4-Trichlorobenzene	180	9.860	9.867	(1.115)	89132	32.5939	32.6(R)	
94	Hexachlorobutadiene	225	9.924	9.932	(1.123)	34842	20.8696	20.9(R)	
95	Naphthalene	128	9.999	10.006	(1.131)	255672	47.0506	47.0	
96	1,2,3-Trichlorobenzene	180	10.117	10.124	(1.144)	90776	36.8503	36.8	
97	2,methyl-naphthalene	142	10.629	10.642	(1.202)	136402	42.2231	42.2	
98	1-Methylnaphthalene	142	10.747	10.759	(1.216)	147249	55.0664	55.1	
99	Isopropyl Acetate	61	3.889	3.885	(0.931)	142537	323.327	323	
100	Ethyl Acetate	88	2.848	2.849	(0.682)	2452	52.1044	52.1(Q)	
101	n-amyl Acetate	70	7.954	7.950	(1.904)	213797	75.1288	75.1	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d
Date : 06-OCT-2016 23:57
Client ID: MW-0501-S1(092716)P
Sample Info: 1642752,132007:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

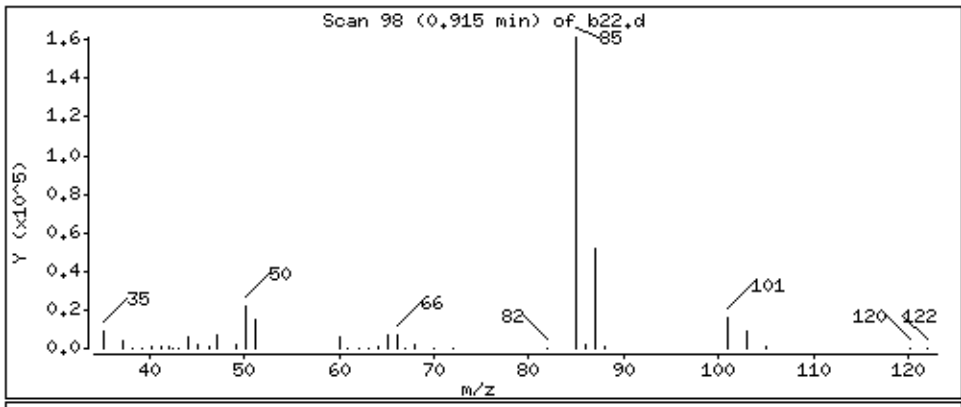
Column phase: DB-624

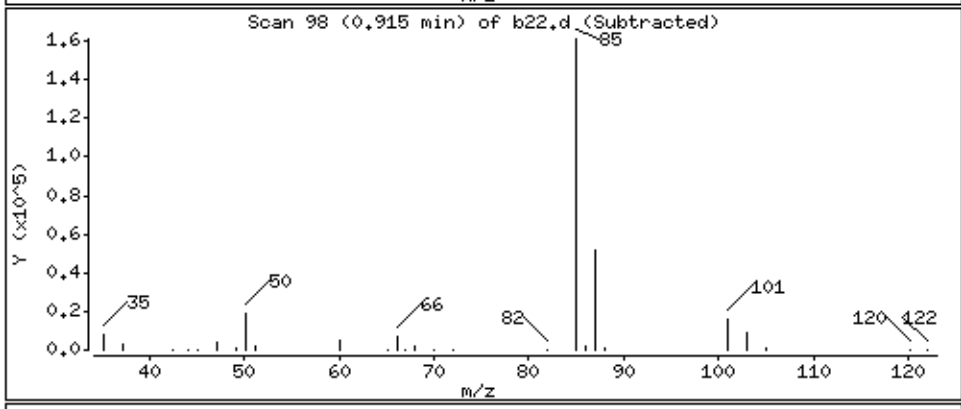
Column diameter: 0.18

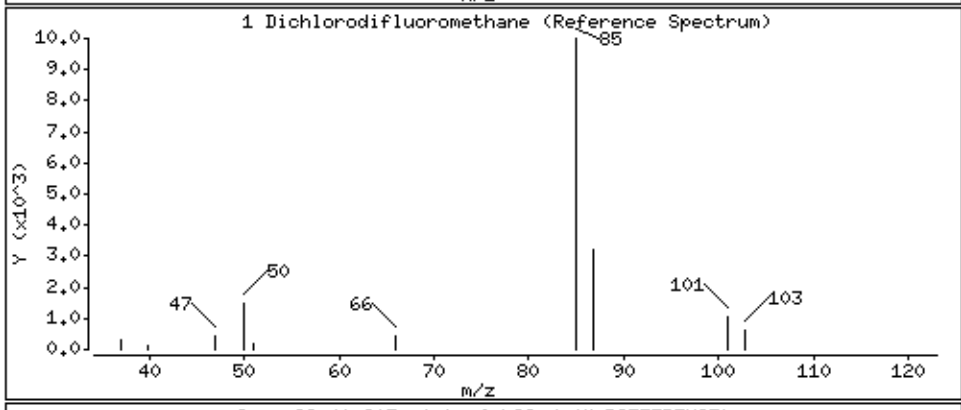
1 Dichlorodifluoromethane

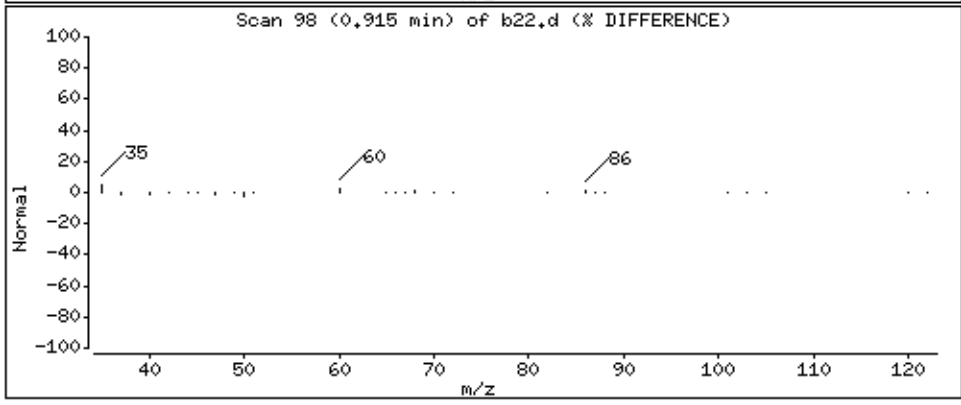
Concentration: 53.5 ppb

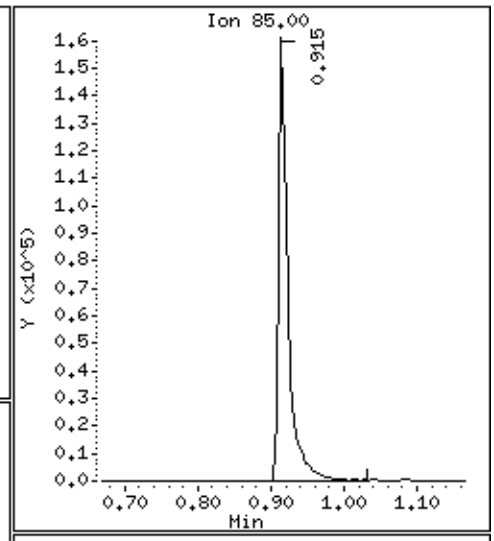
Review Code:

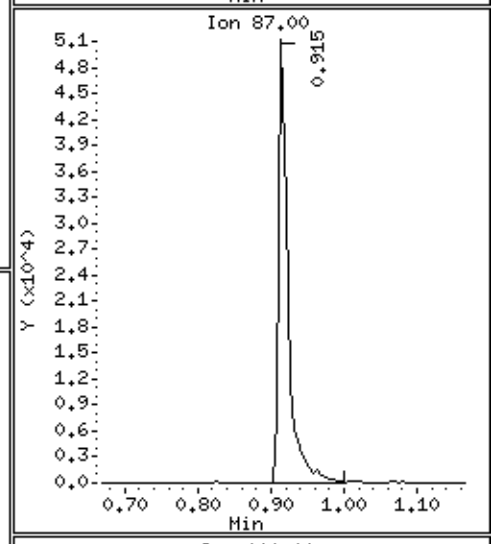


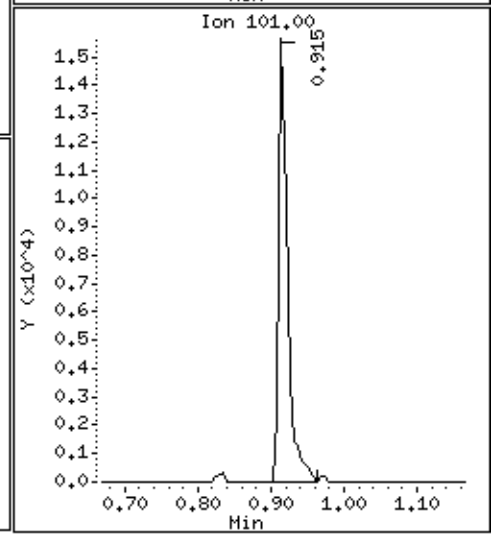












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

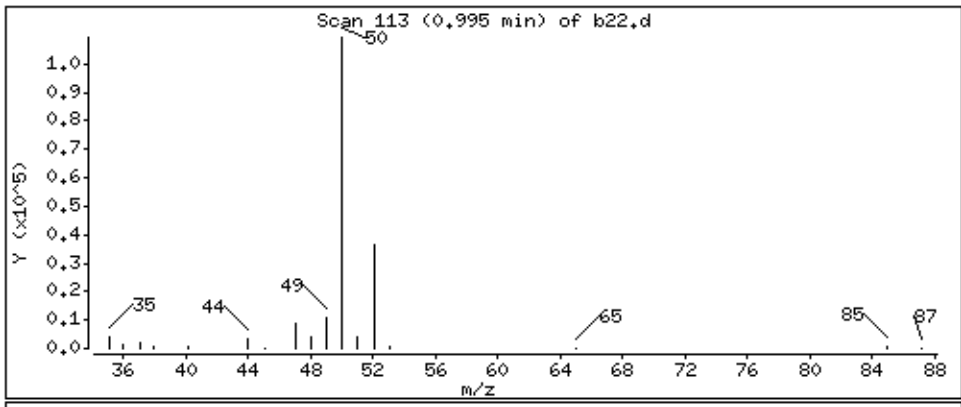
Column phase: DB-624

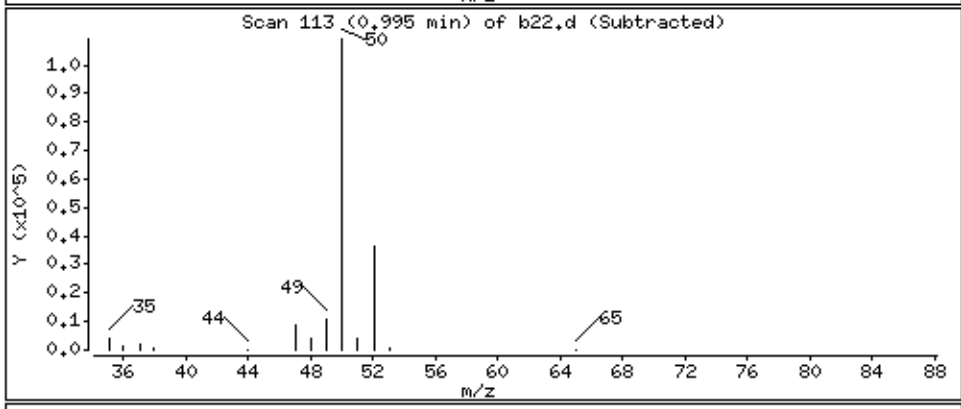
Column diameter: 0.18

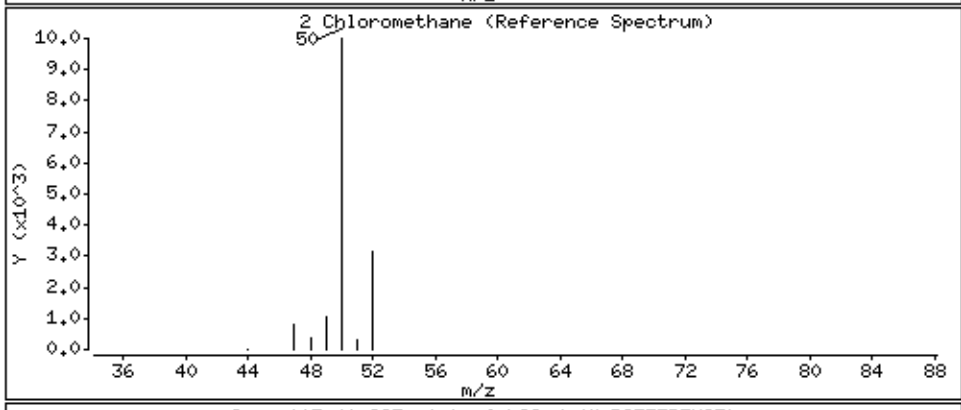
2 Chloromethane

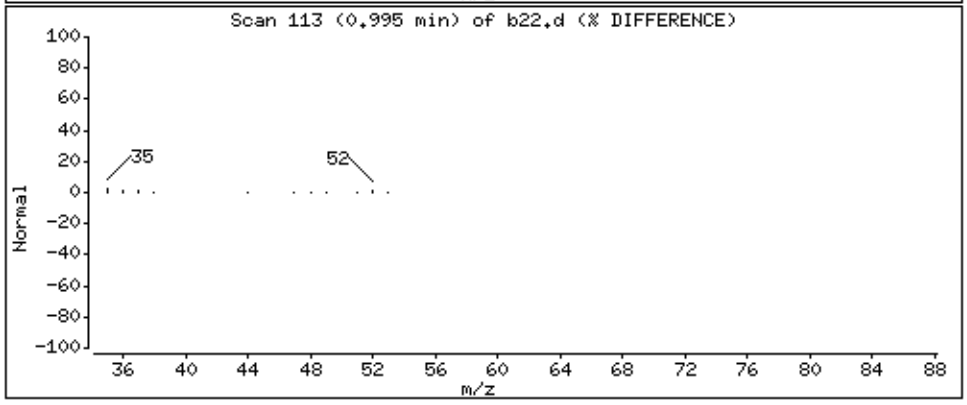
Concentration: 41.6 ppb

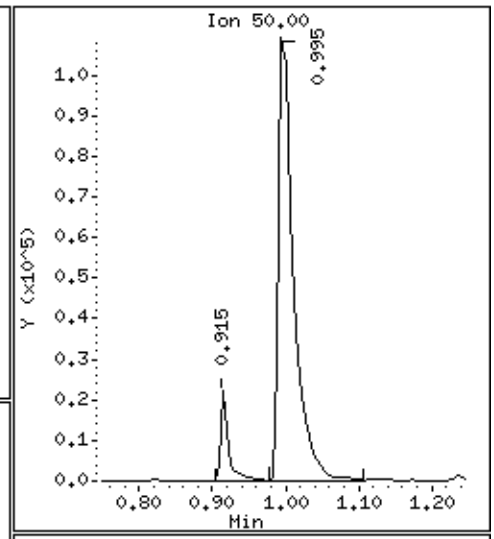
Review Code:

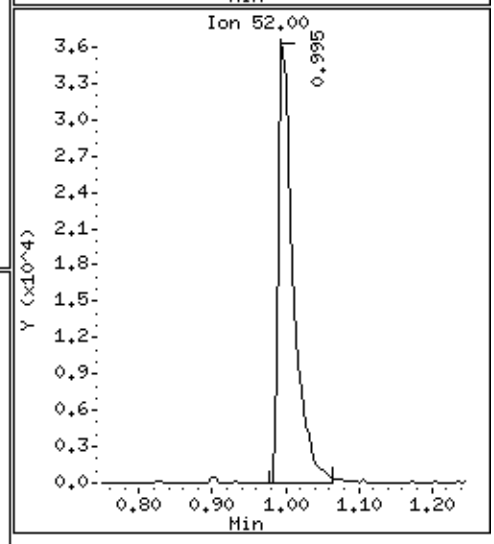












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

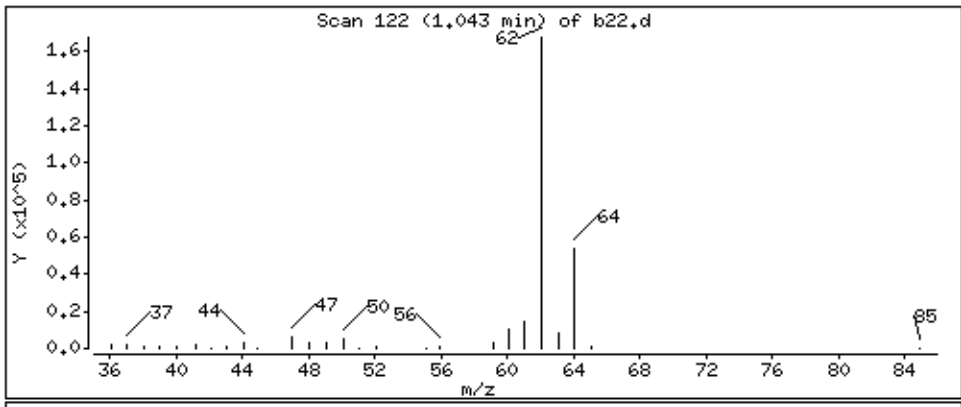
Column phase: DB-624

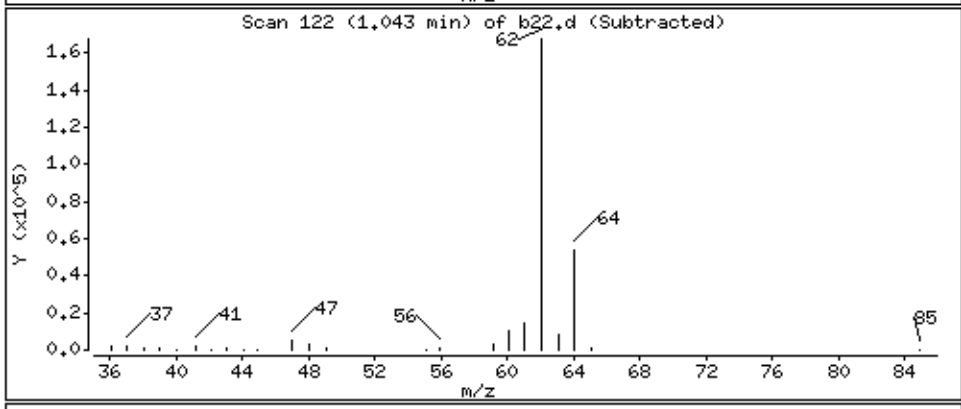
Column diameter: 0.18

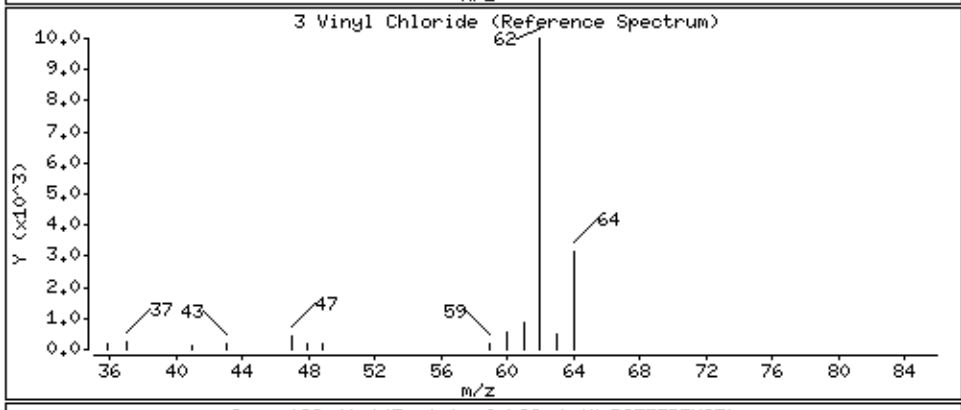
3 Vinyl Chloride

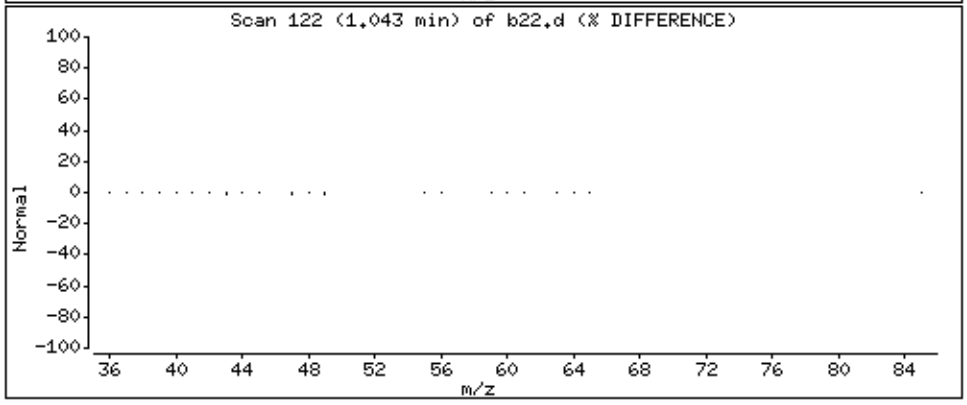
Concentration: 50.8 ppb

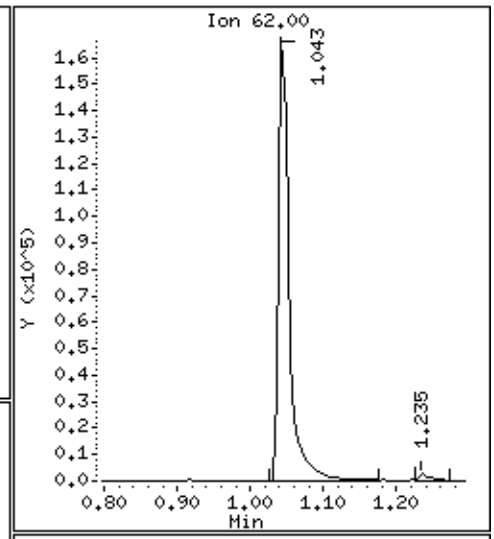
Review Code:

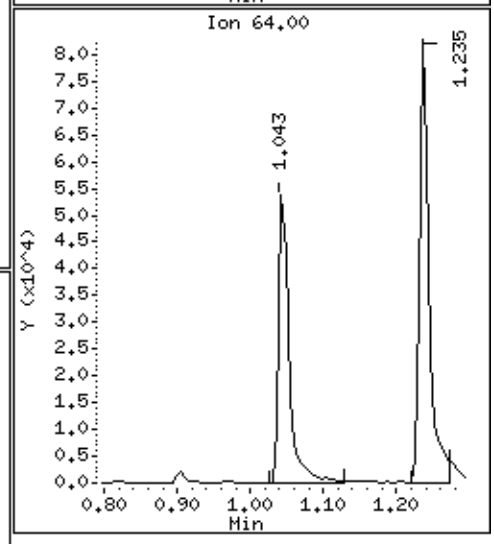












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

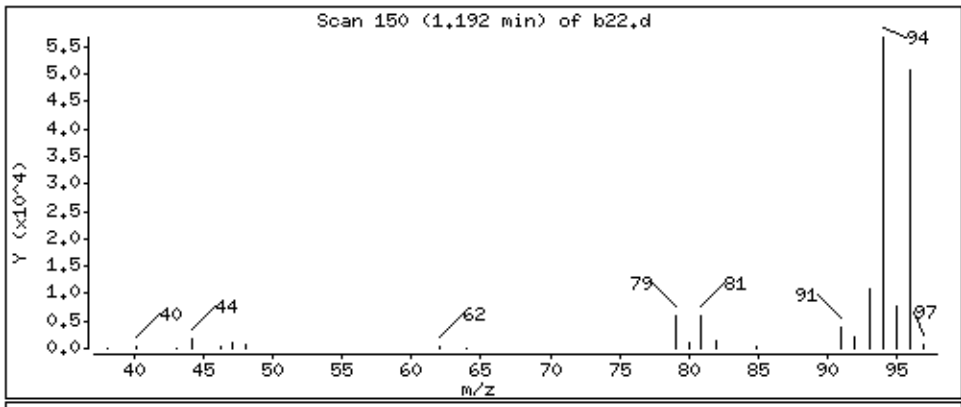
Column phase: DB-624

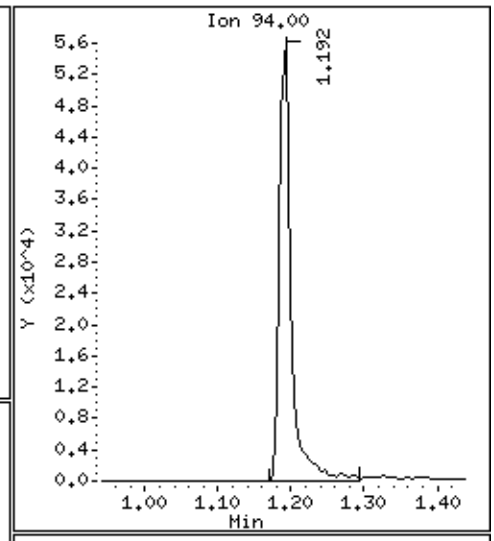
Column diameter: 0.18

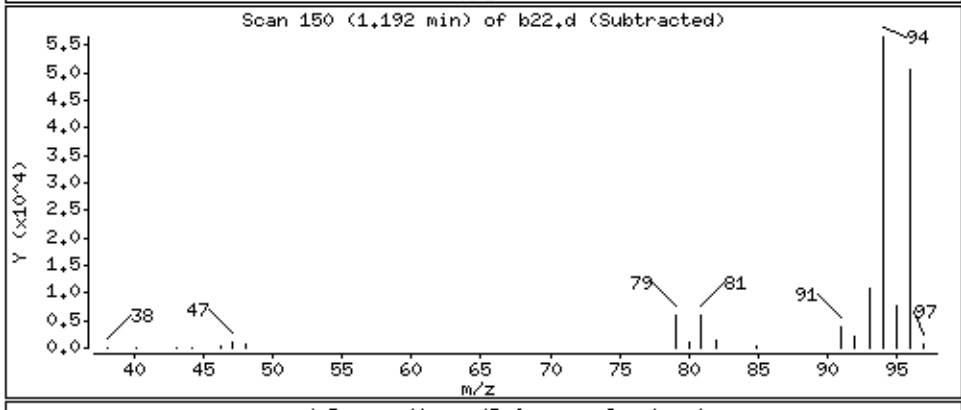
4 Bromomethane

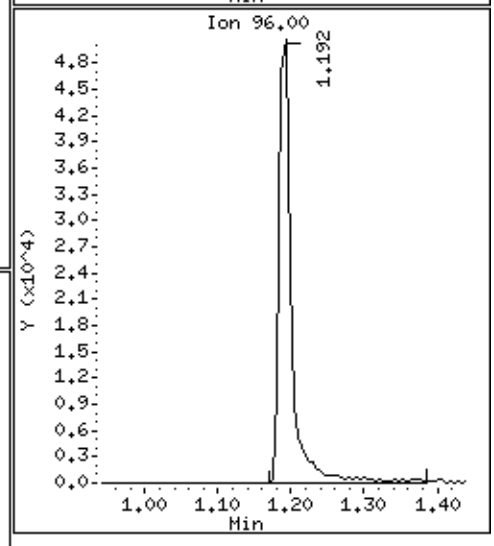
Concentration: 43.9 ppb

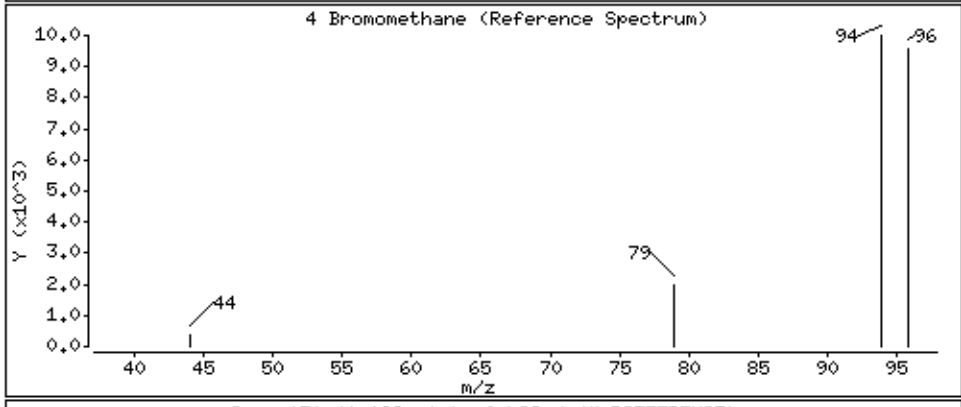
Review Code:

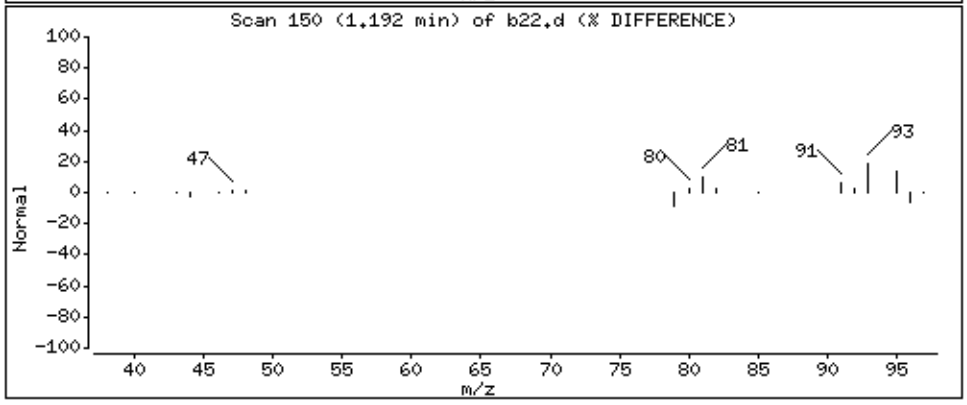












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

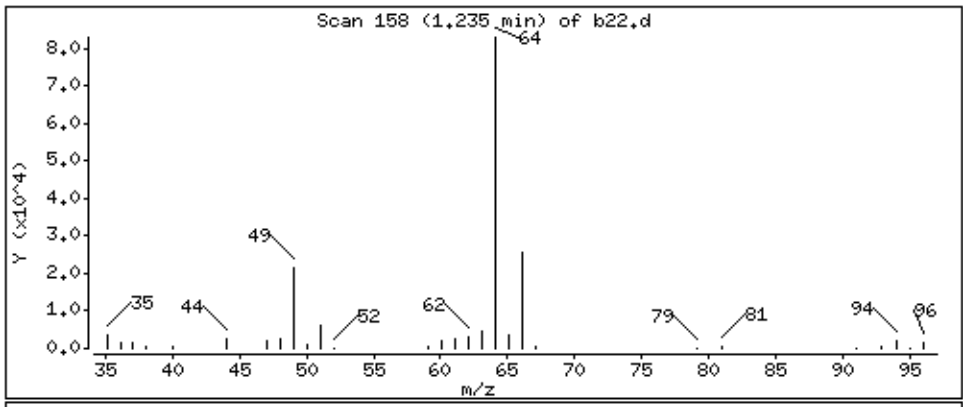
Column phase: DB-624

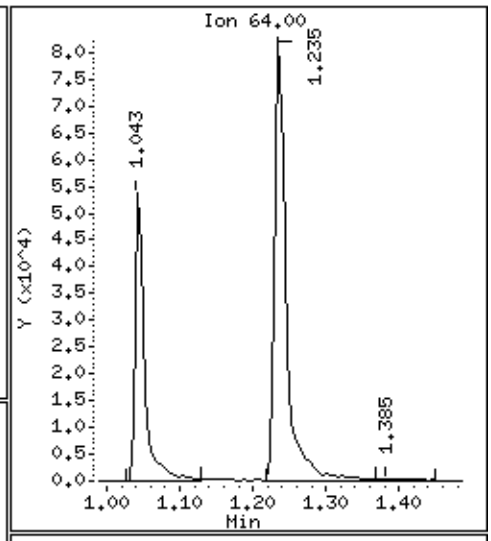
Column diameter: 0.18

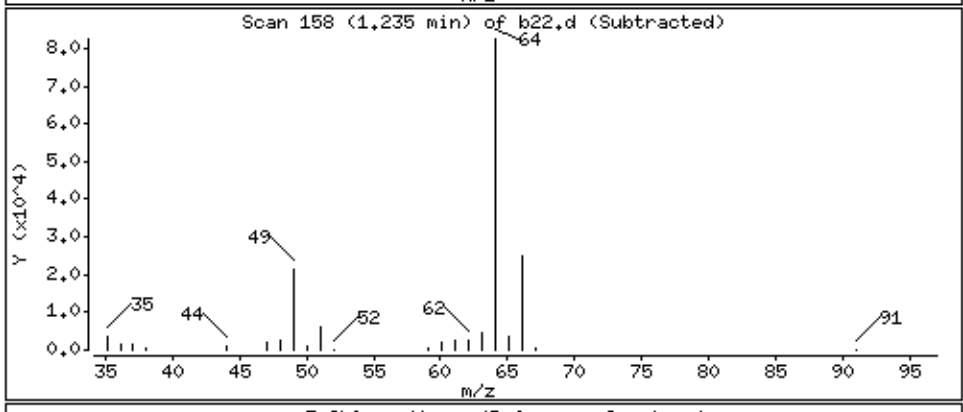
5 Chloroethane

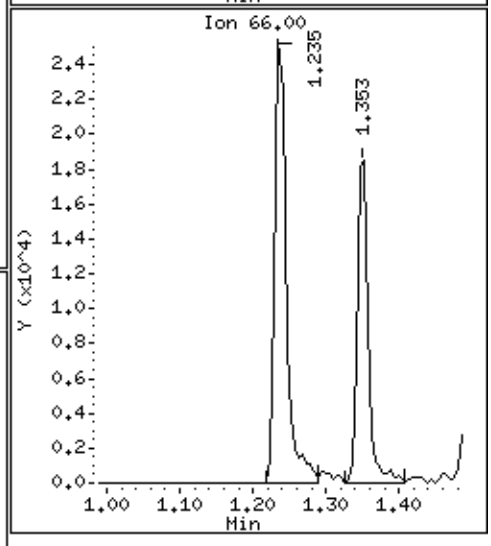
Concentration: 47.3 ppb

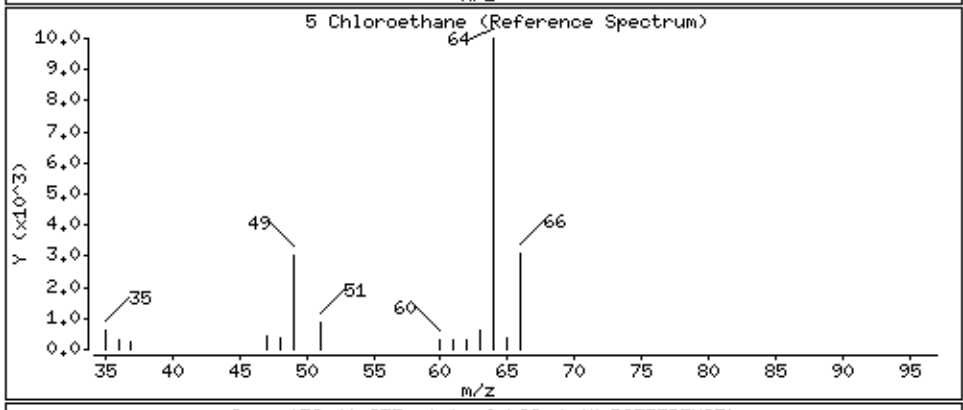
Review Code:

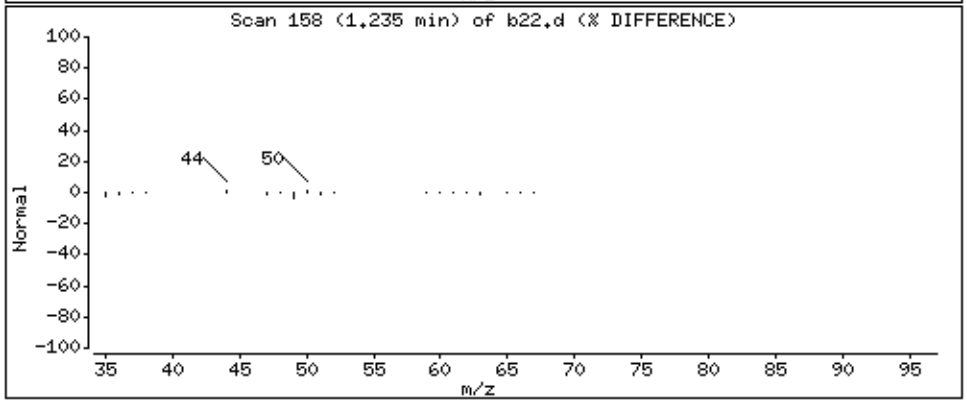












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

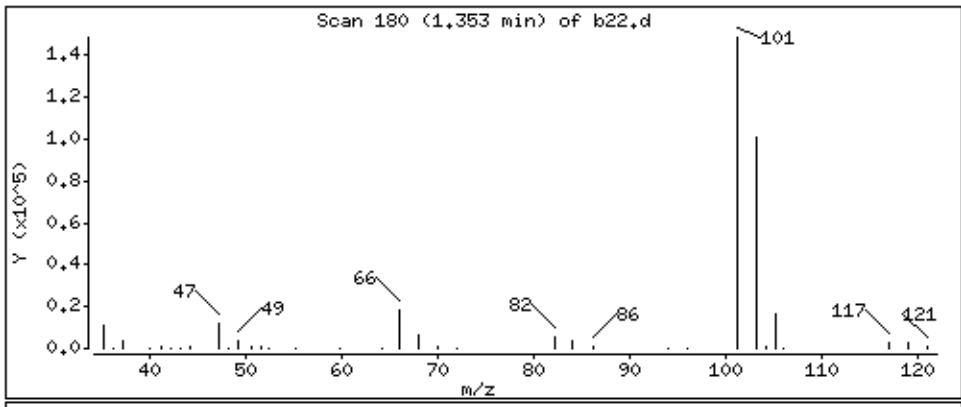
Column phase: DB-624

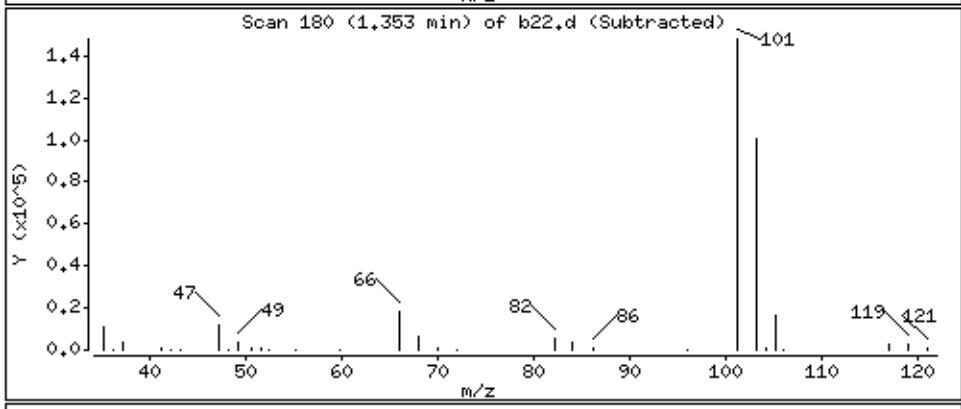
Column diameter: 0.18

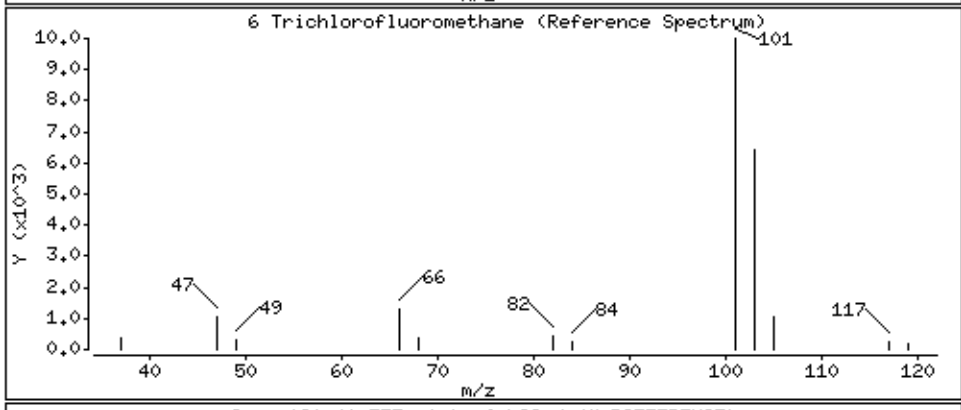
6 Trichlorofluoromethane

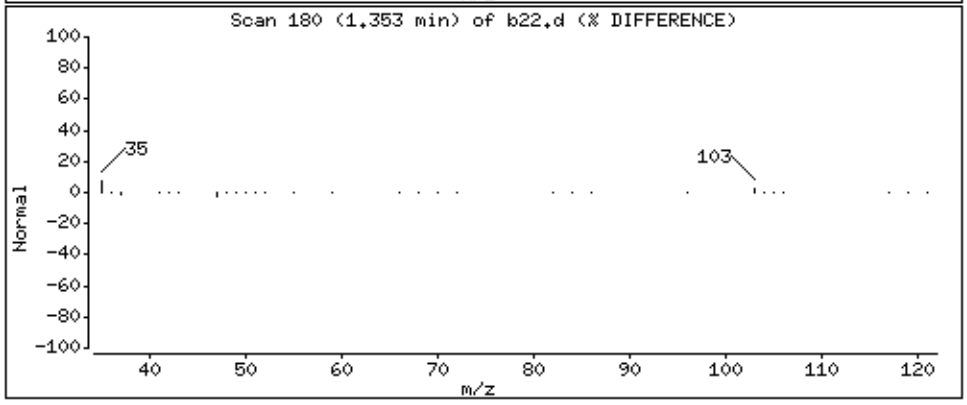
Concentration: 47.4 ppb

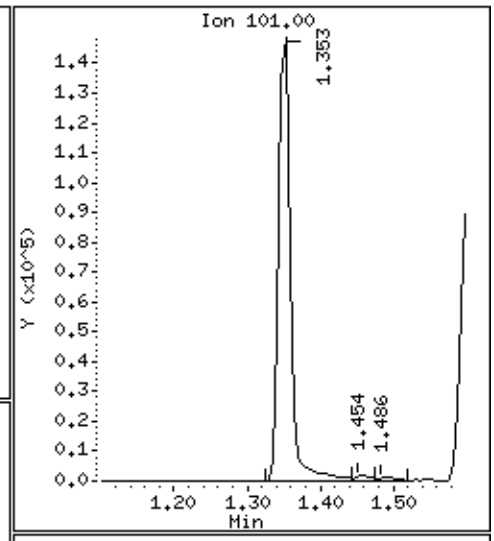
Review Code:

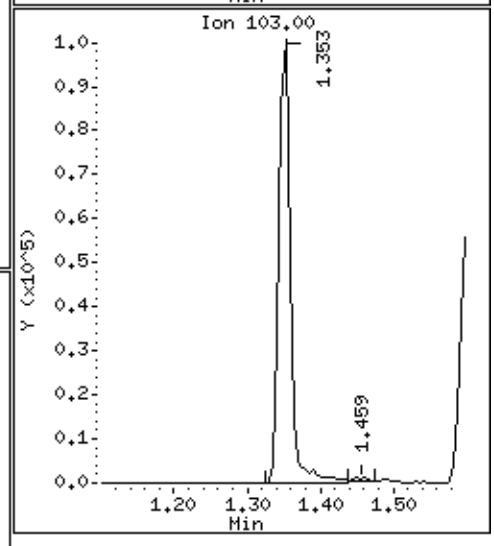












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

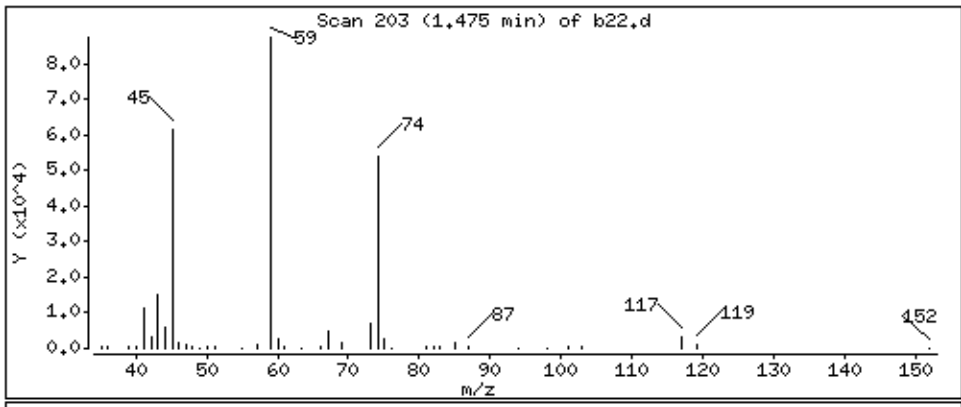
Column phase: DB-624

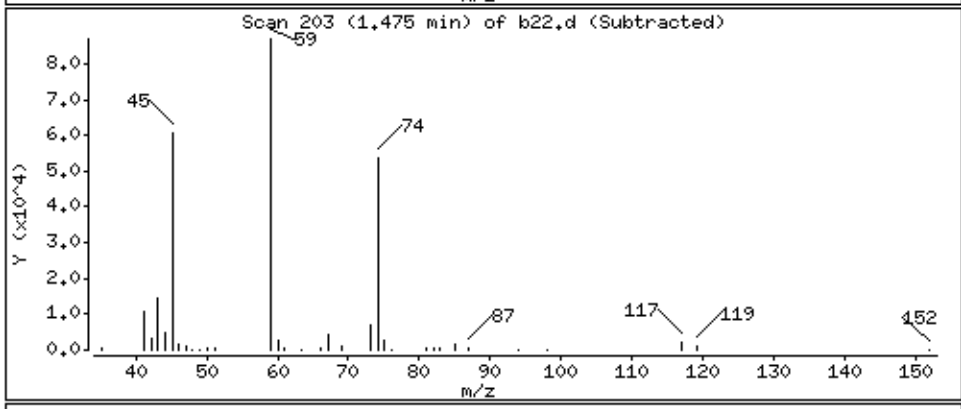
Column diameter: 0.18

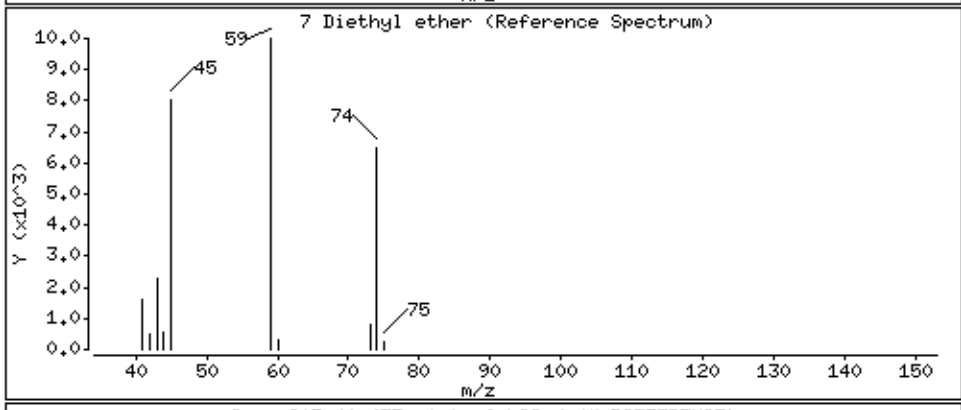
7 Diethyl ether

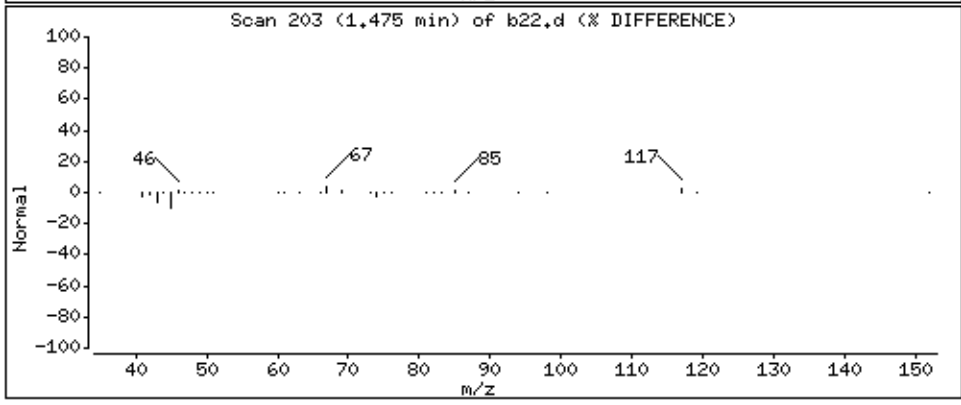
Concentration: 51.8 ppb

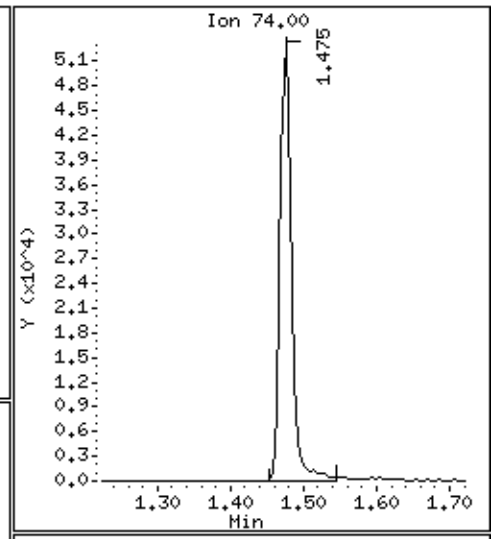
Review Code:

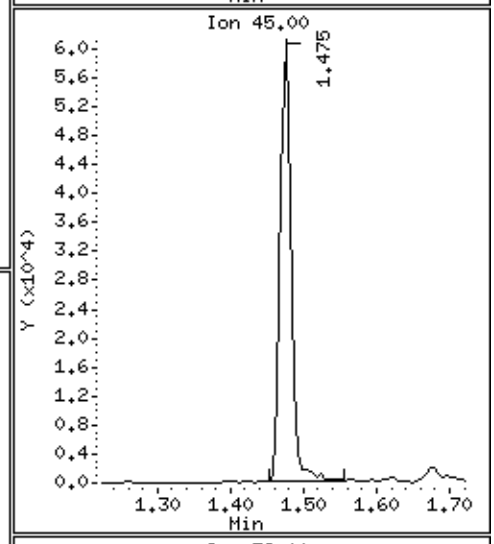


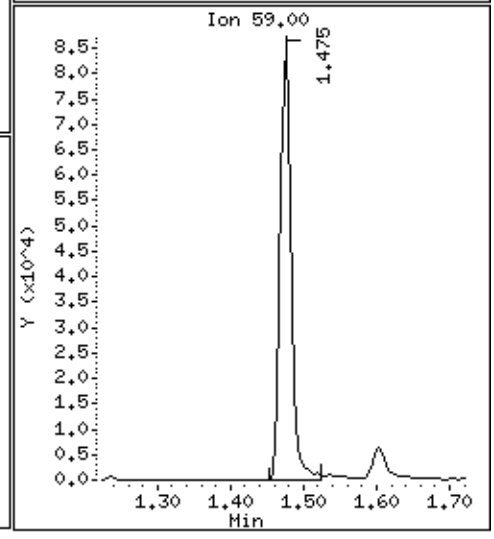












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

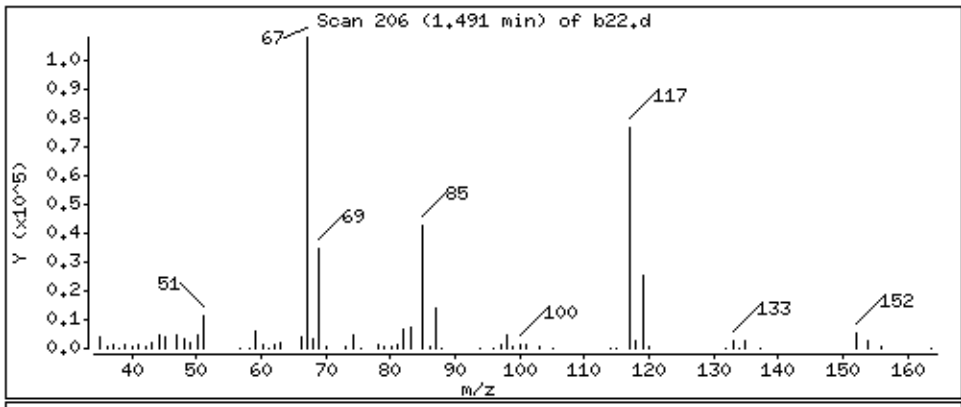
Column phase: DB-624

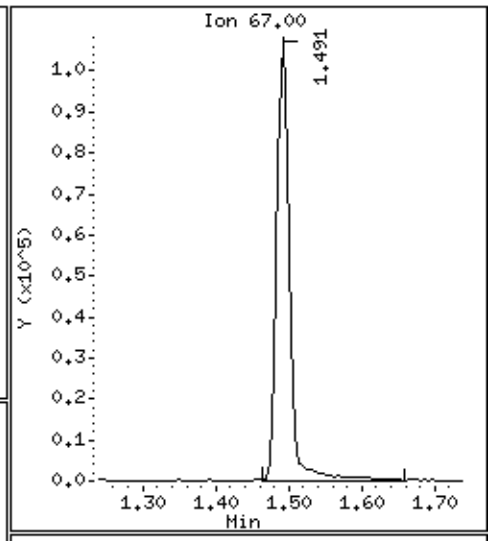
Column diameter: 0.18

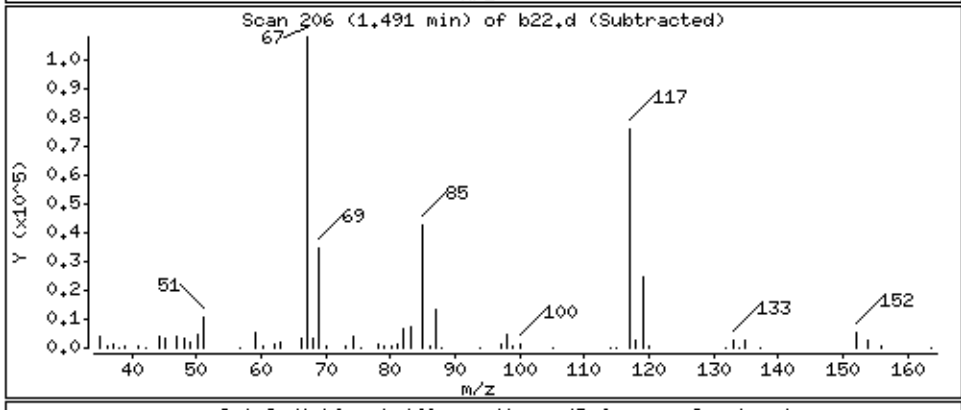
8 1,2-dichlorotrifluoroethane

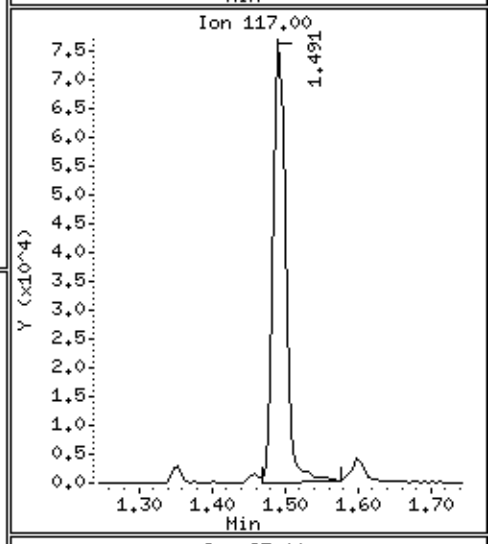
Concentration: 48.0 ppb

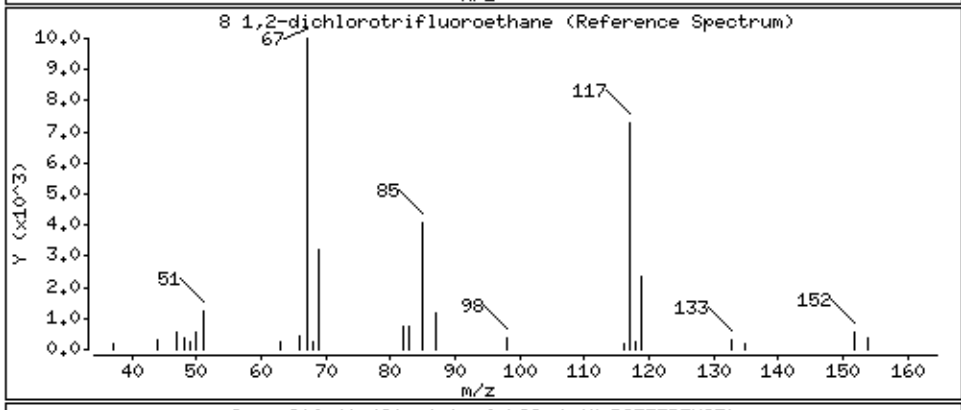
Review Code:

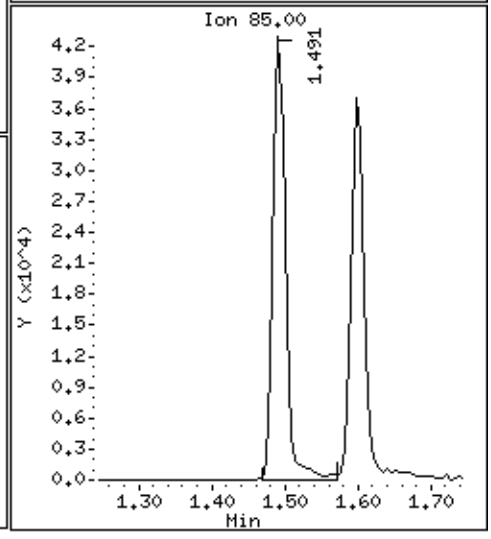


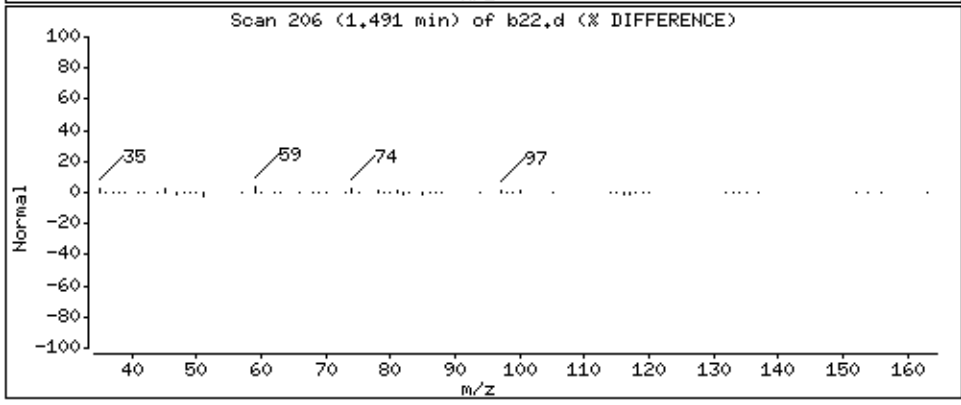












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

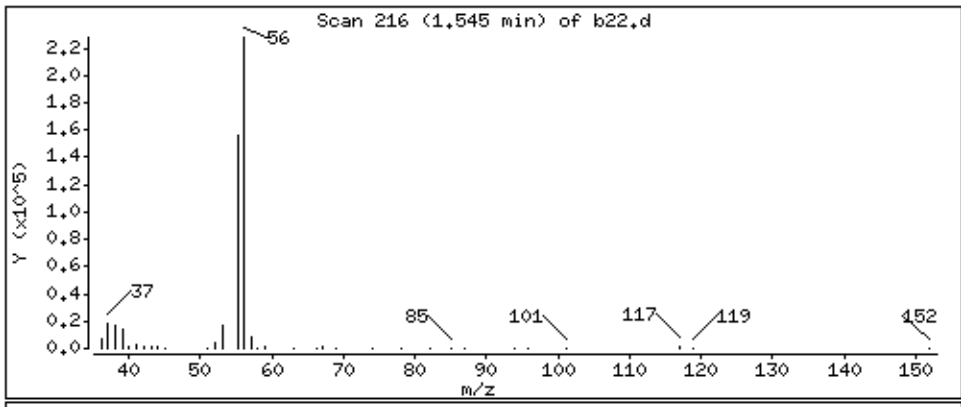
Column phase: DB-624

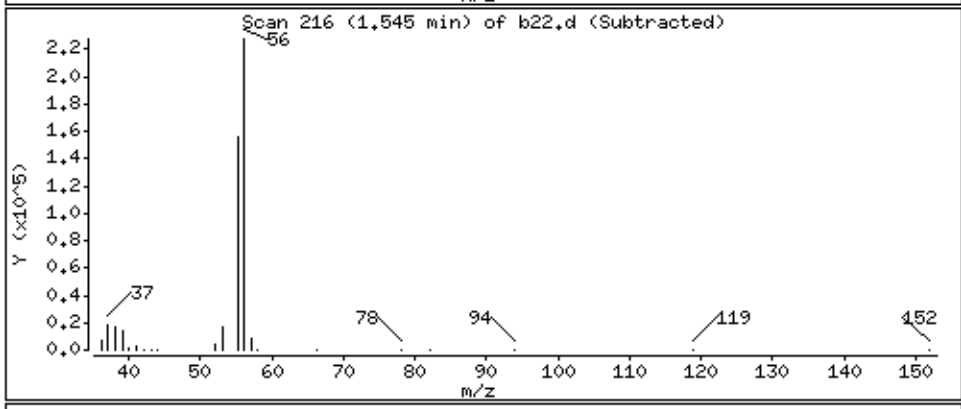
Column diameter: 0.18

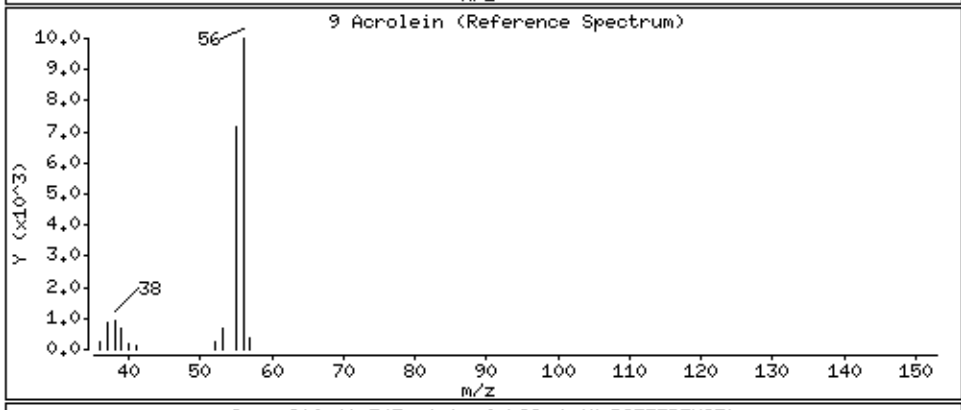
9 Acrolein

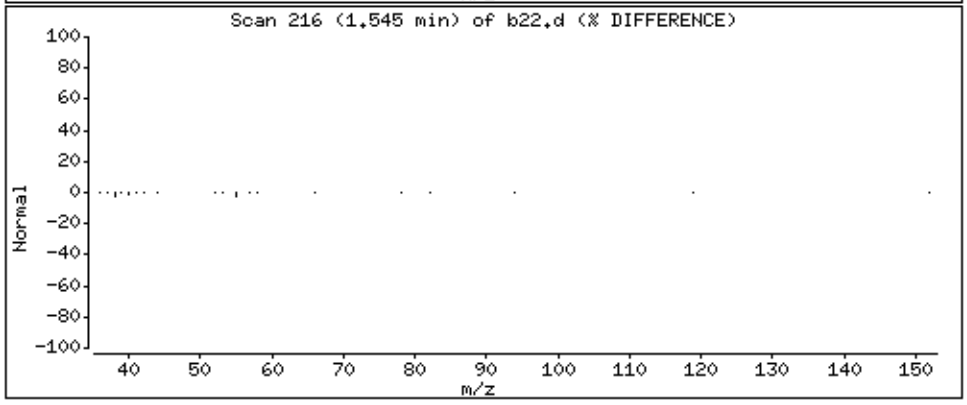
Concentration: 1240 ppb

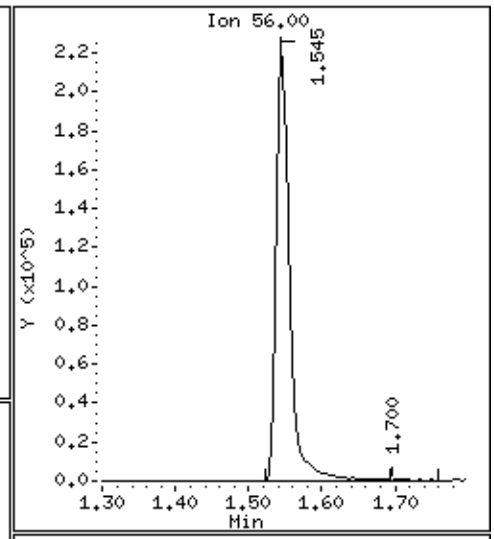
Review Code:

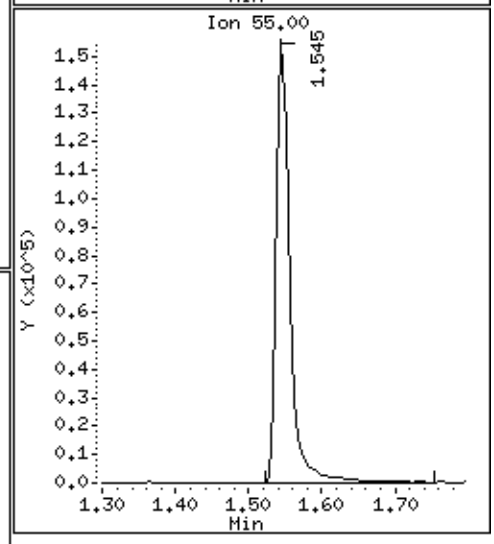












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

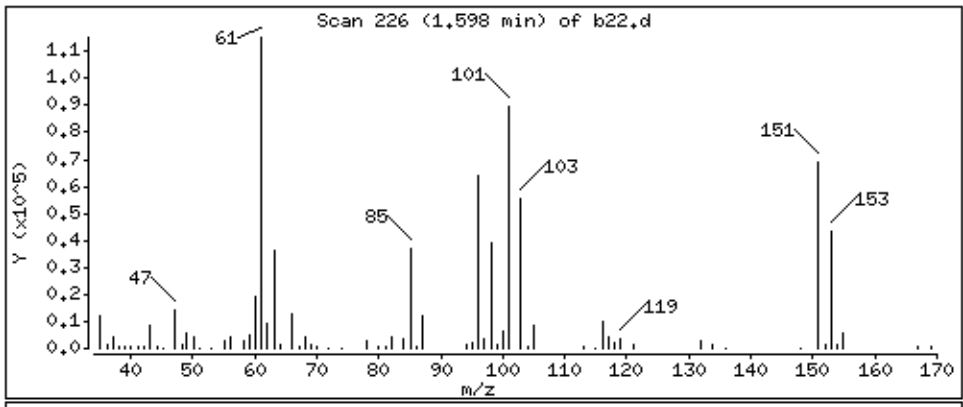
Column phase: DB-624

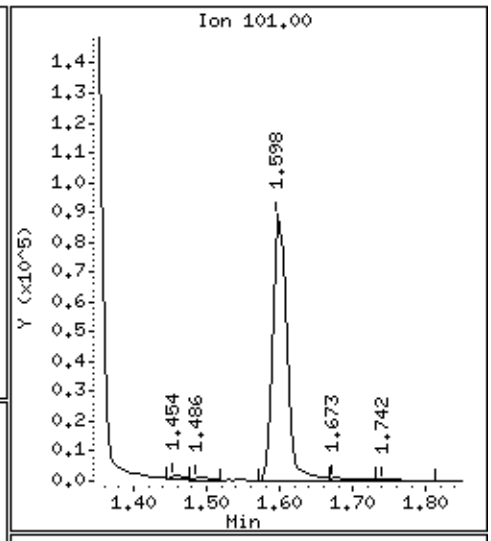
Column diameter: 0.18

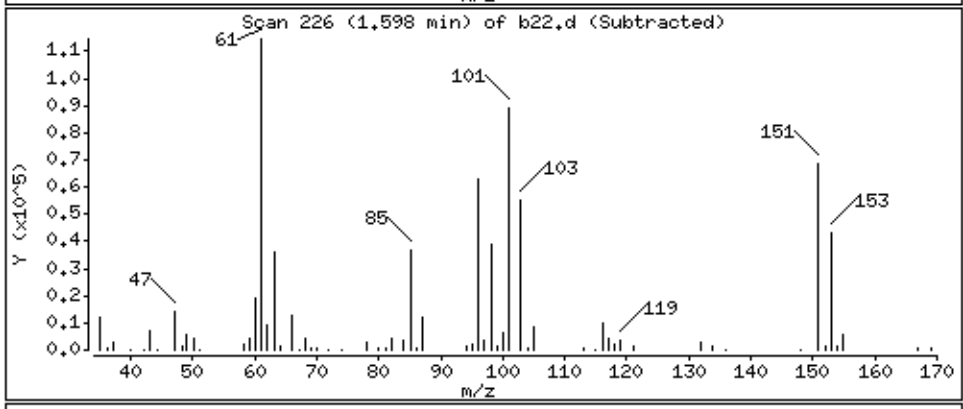
10 1,1,2trichlorotrifluoroethane

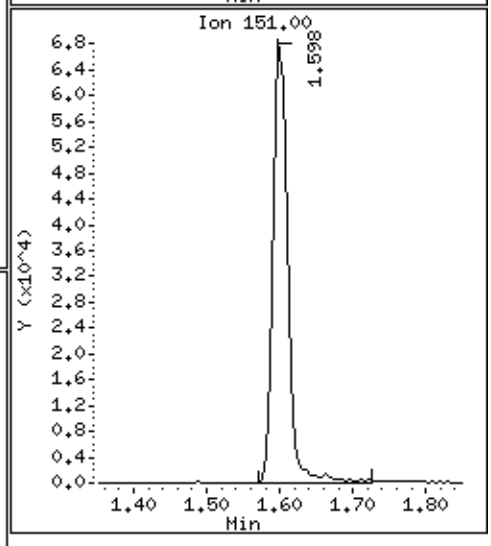
Concentration: 51.1 ppb

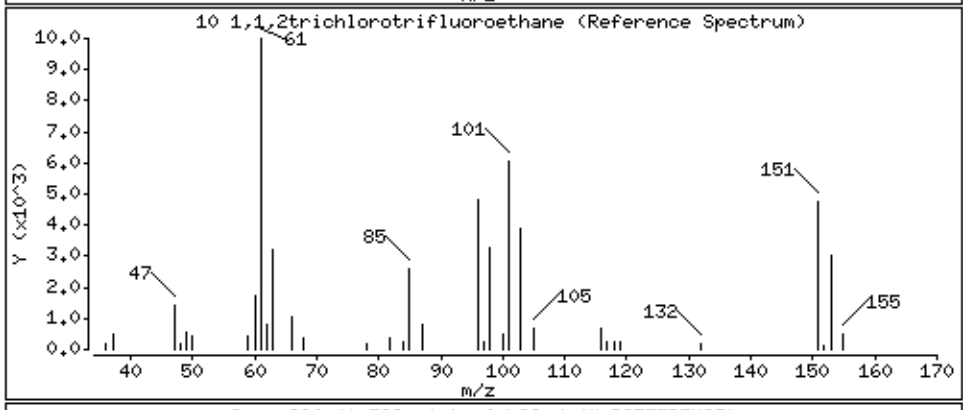
Review Code:

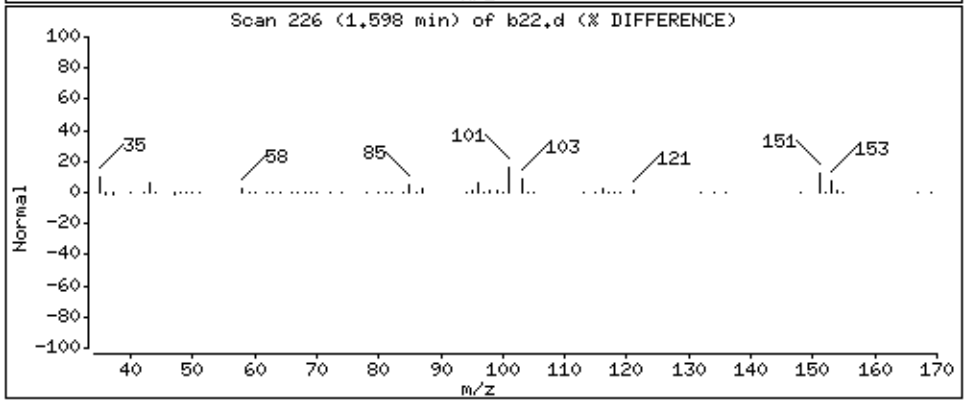












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

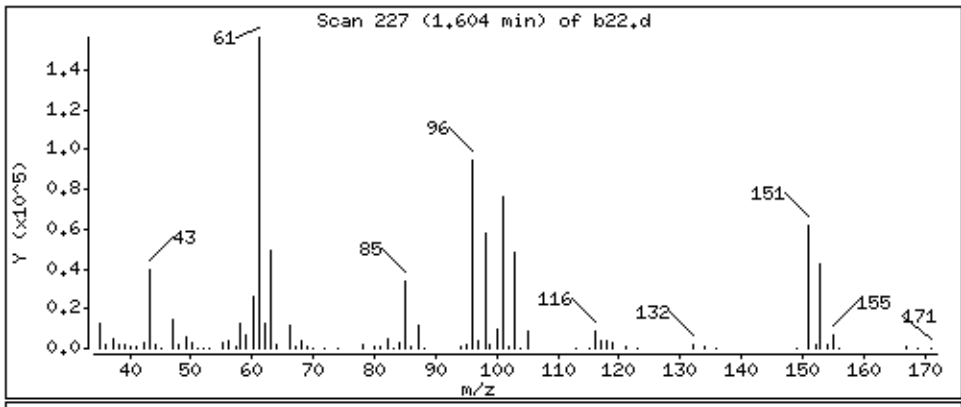
Column phase: DB-624

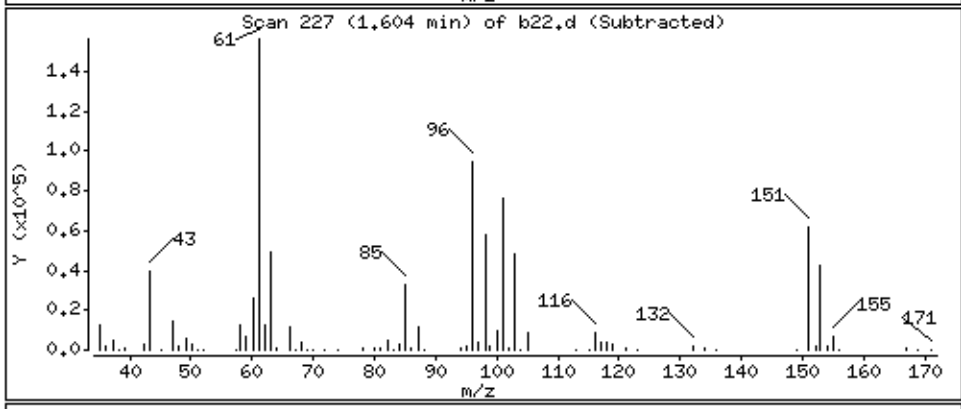
Column diameter: 0.18

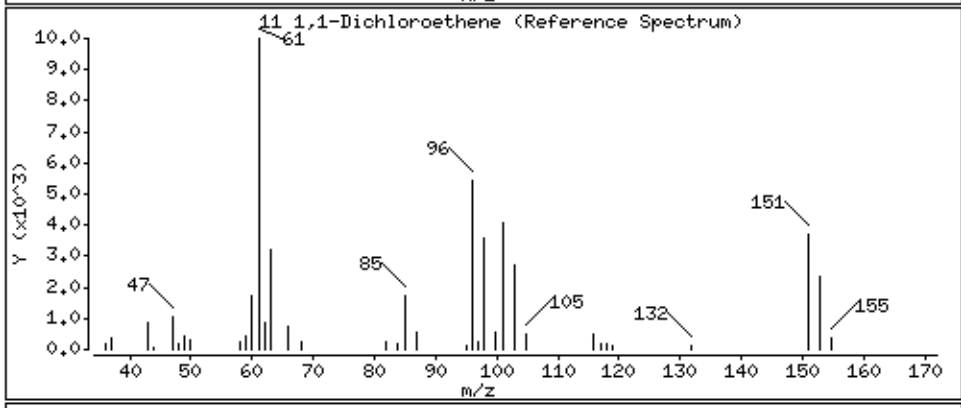
11 1,1-Dichloroethene

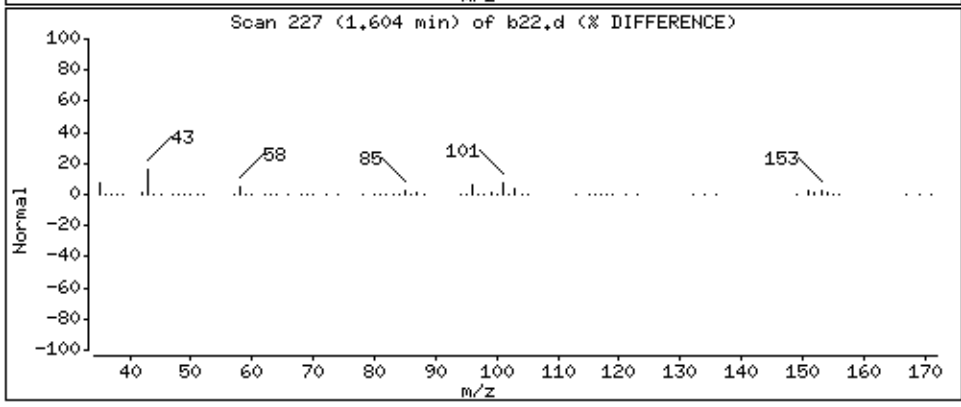
Concentration: 53.8 ppb

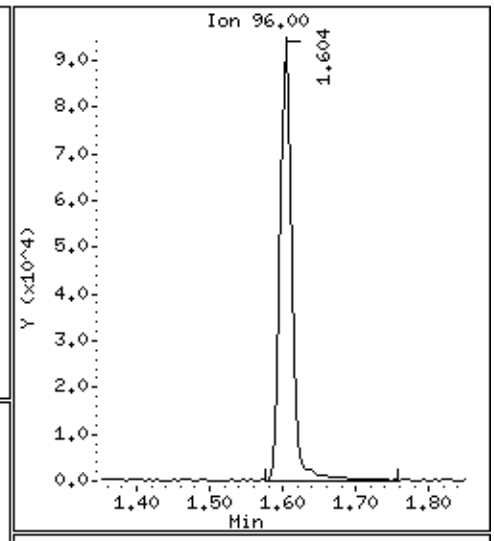
Review Code:

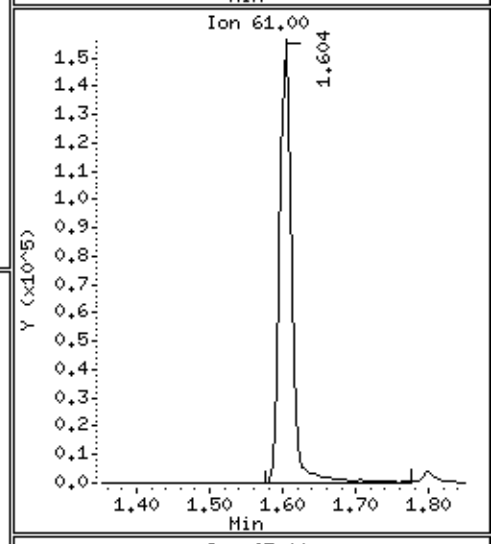


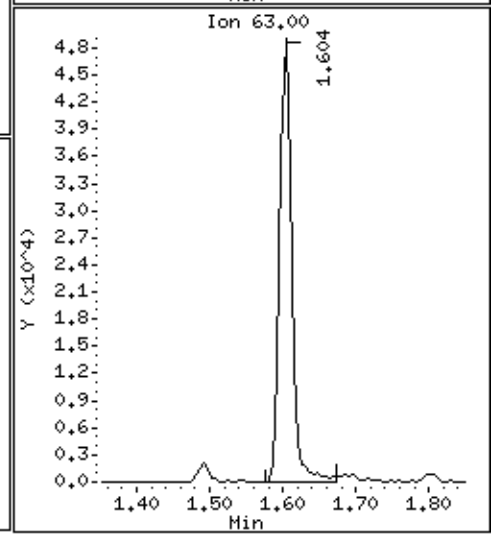












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

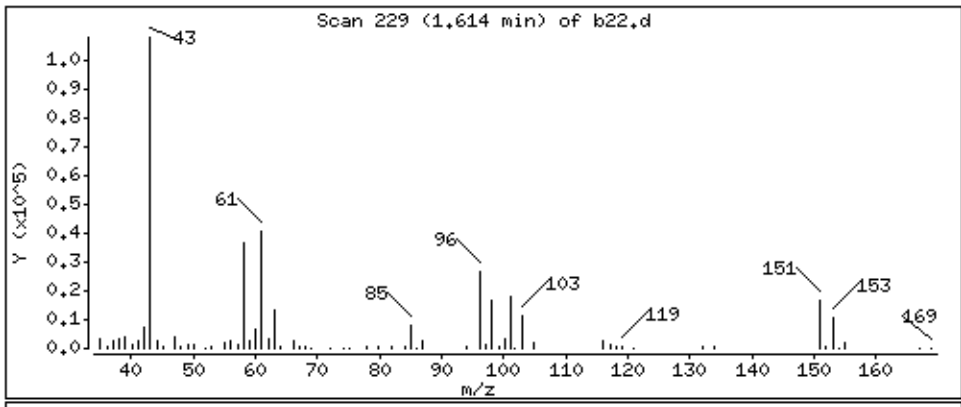
Column phase: DB-624

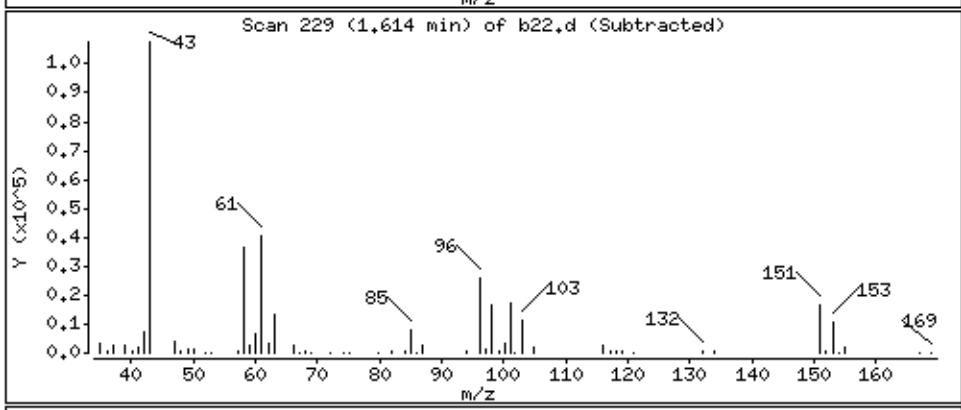
Column diameter: 0.18

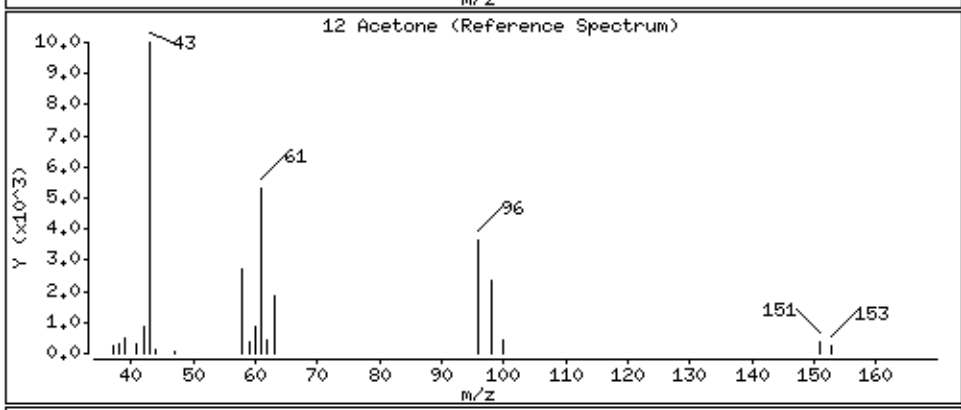
12 Acetone

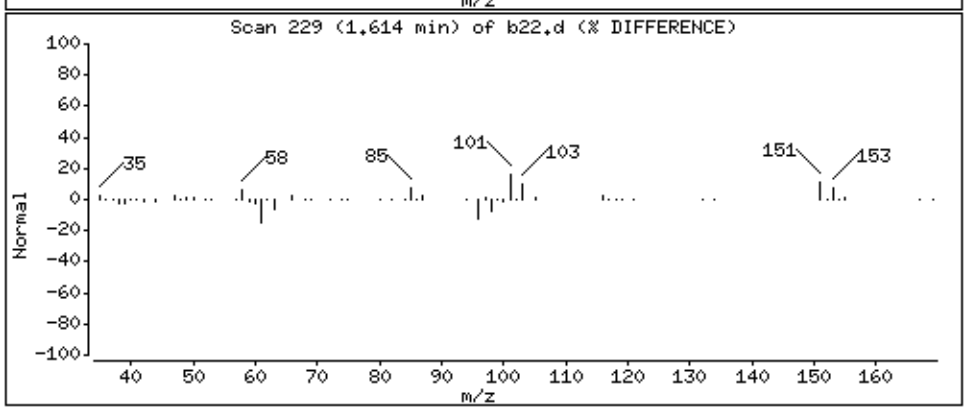
Concentration: 428 ppb

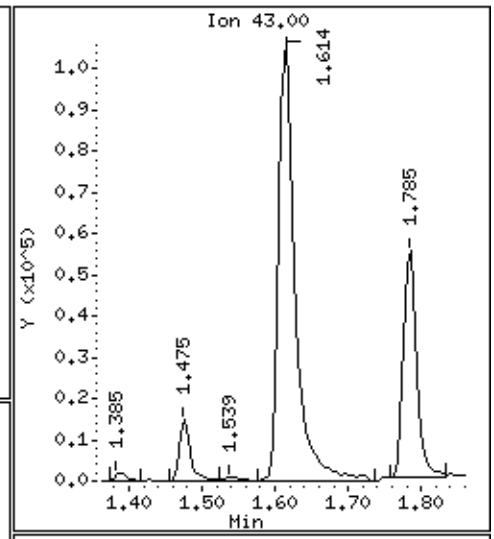
Review Code:

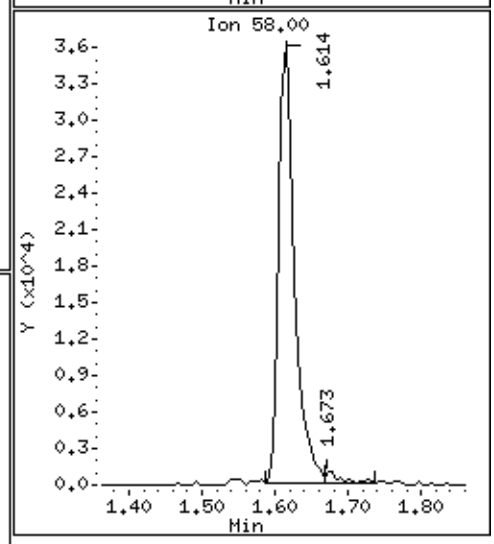












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

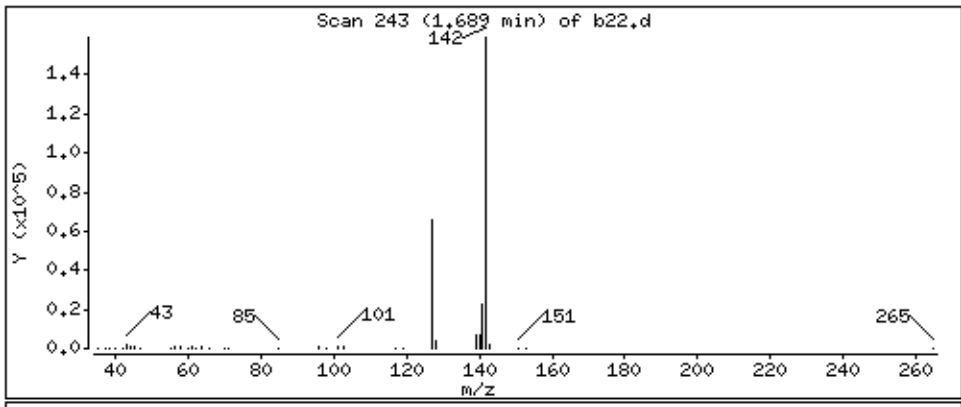
Column phase: DB-624

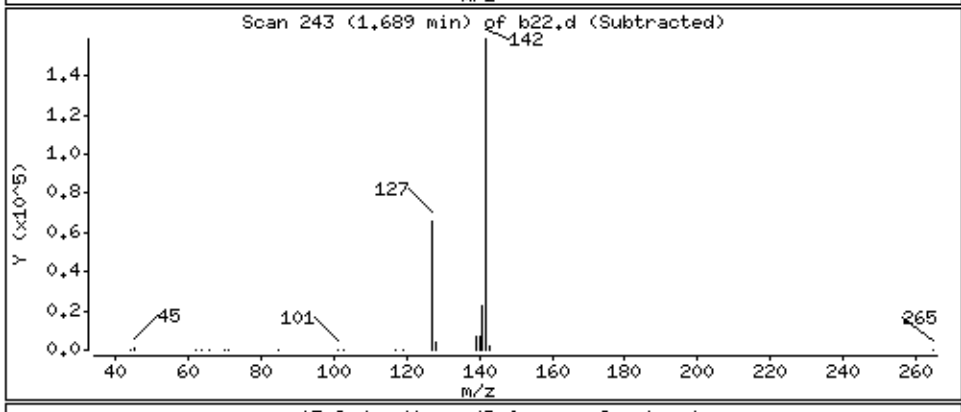
Column diameter: 0.18

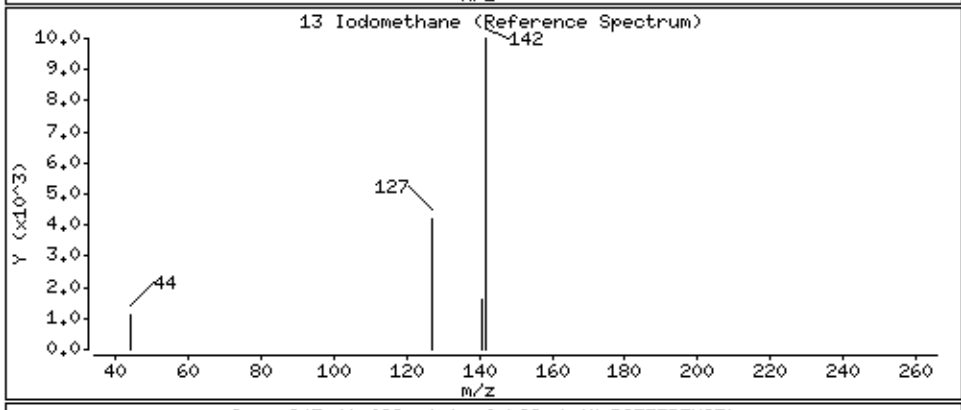
13 Iodomethane

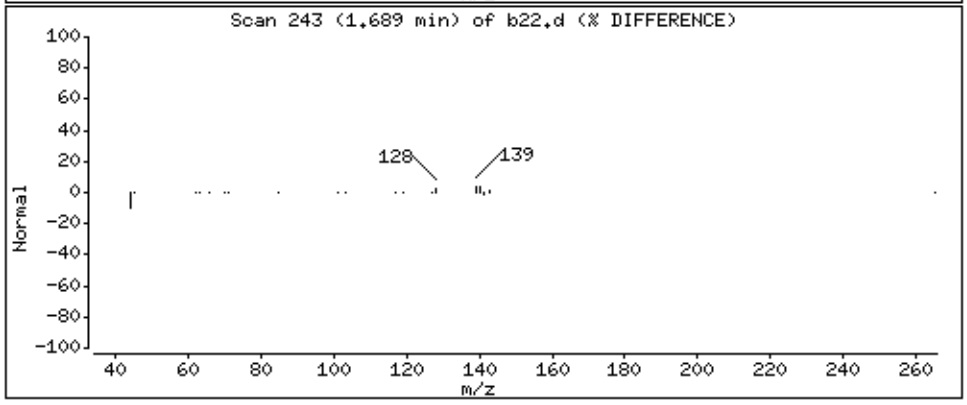
Concentration: 114 ppb

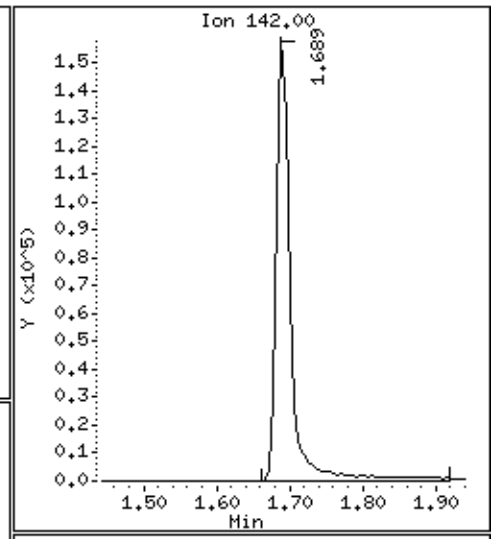
Review Code:

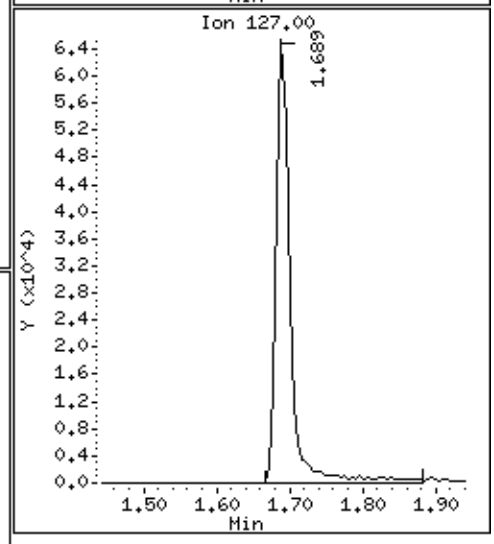












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

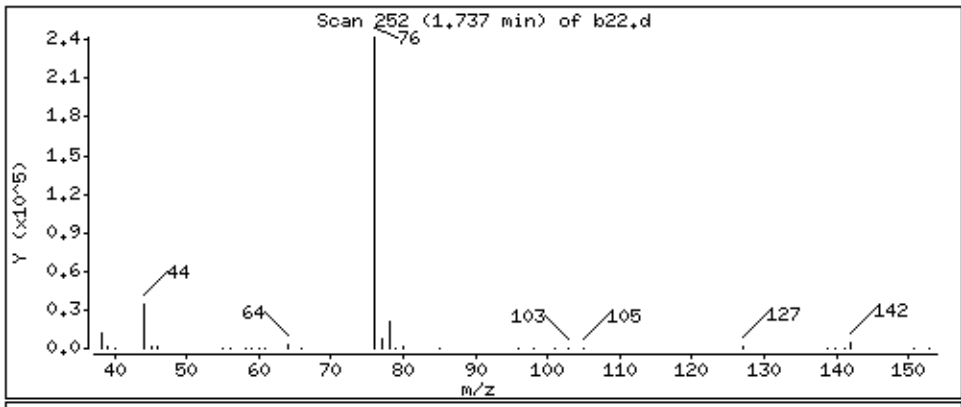
Column phase: DB-624

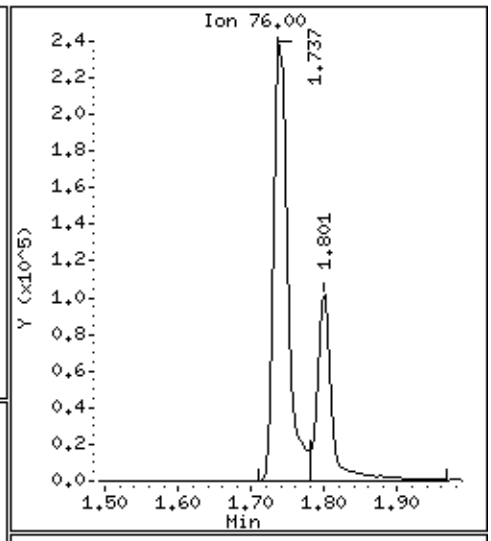
Column diameter: 0.18

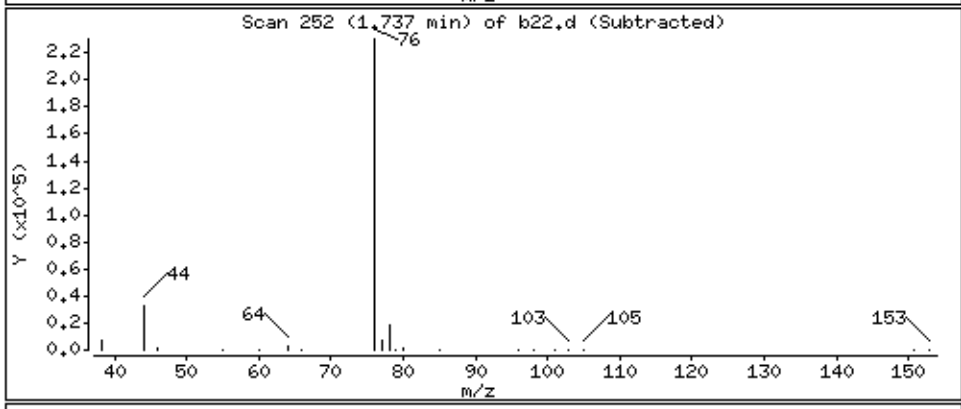
14 Carbon Disulfide

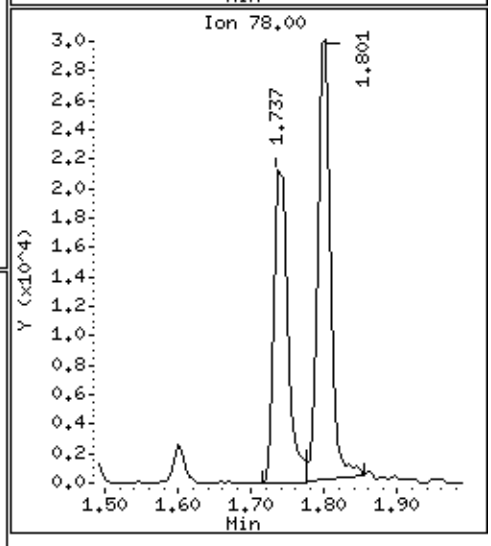
Concentration: 49.5 ppb

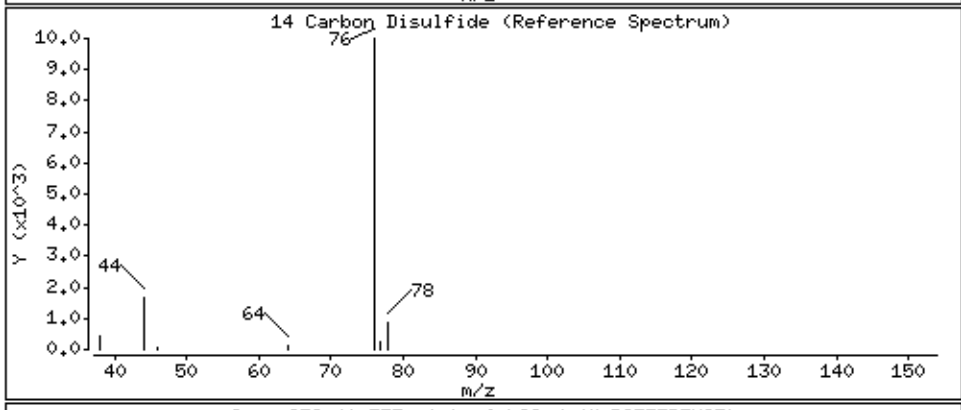
Review Code:

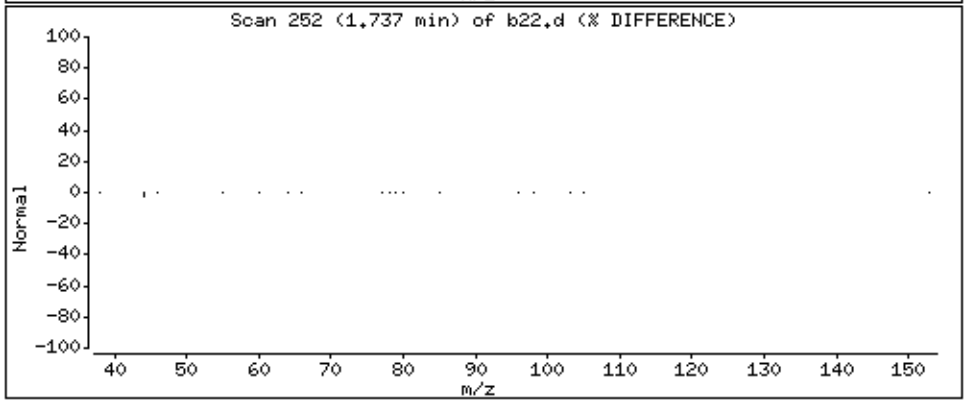












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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

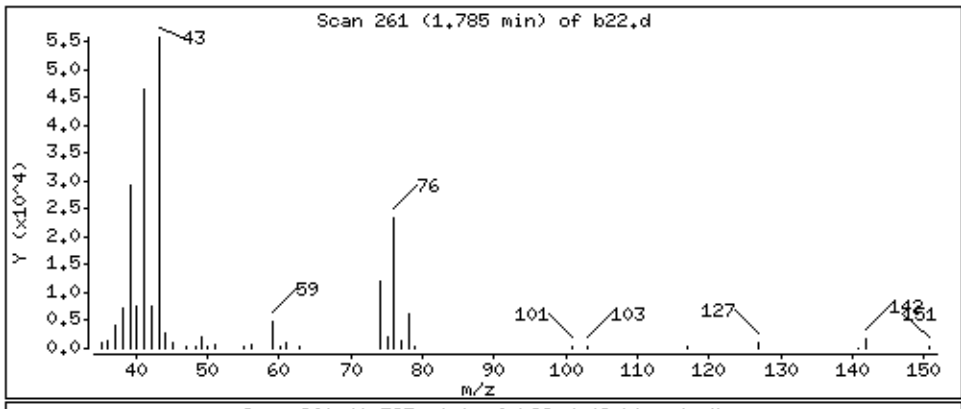
Column phase: DB-624

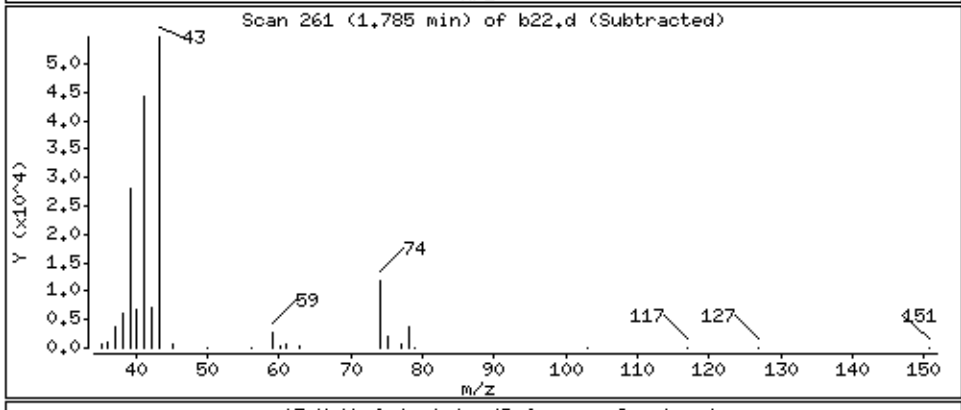
Column diameter: 0.18

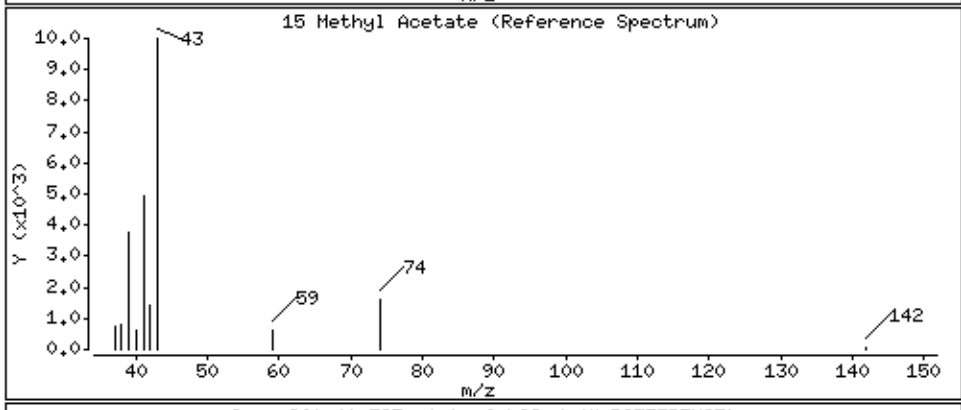
15 Methyl Acetate

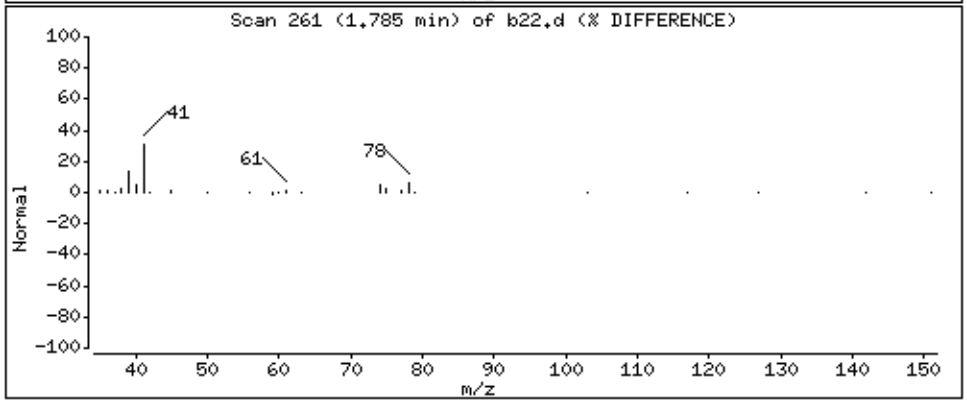
Concentration: 67.8 ppb

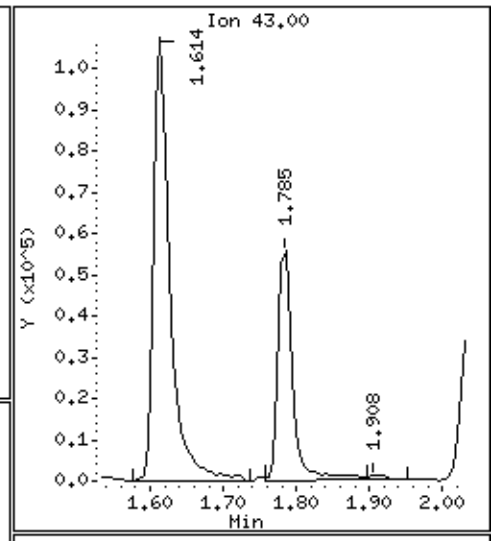
Review Code:

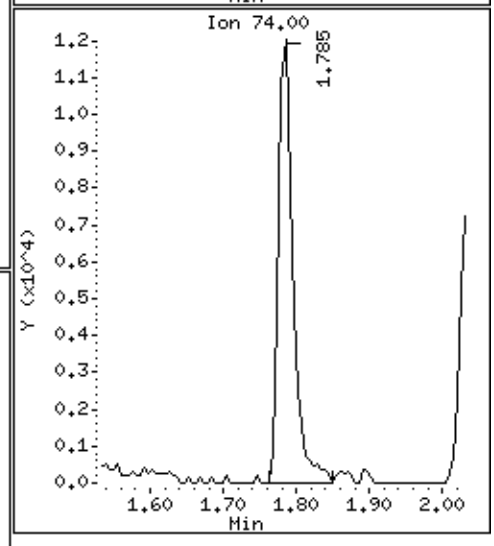












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

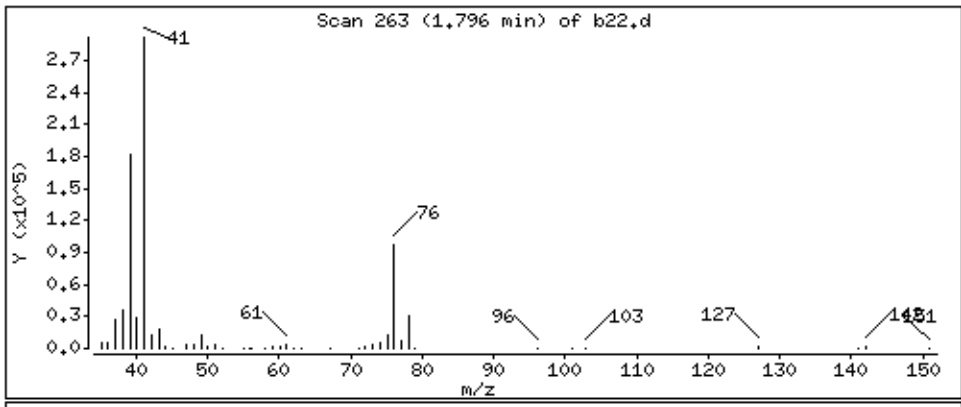
Column phase: DB-624

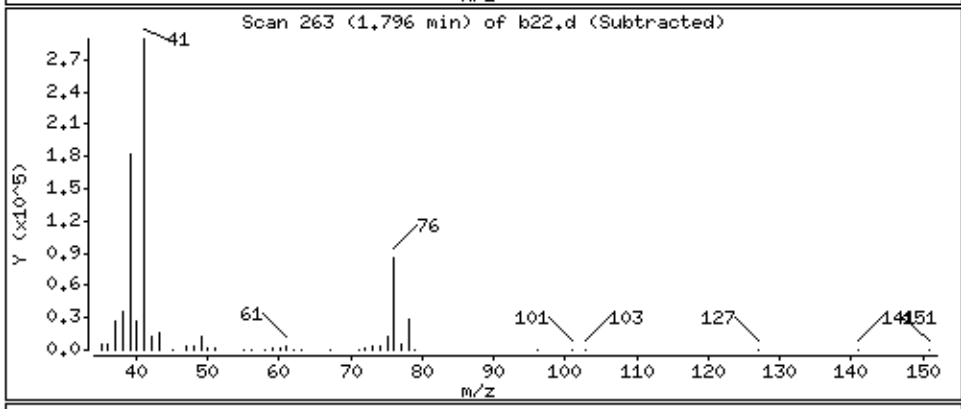
Column diameter: 0.18

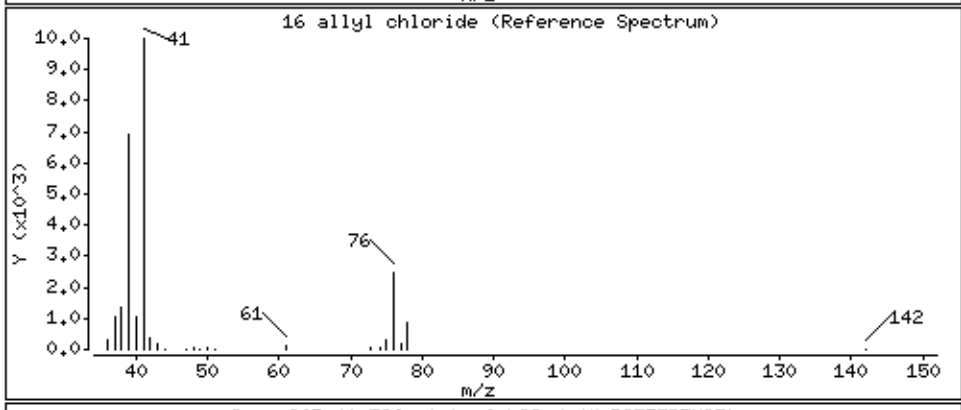
16 allyl chloride

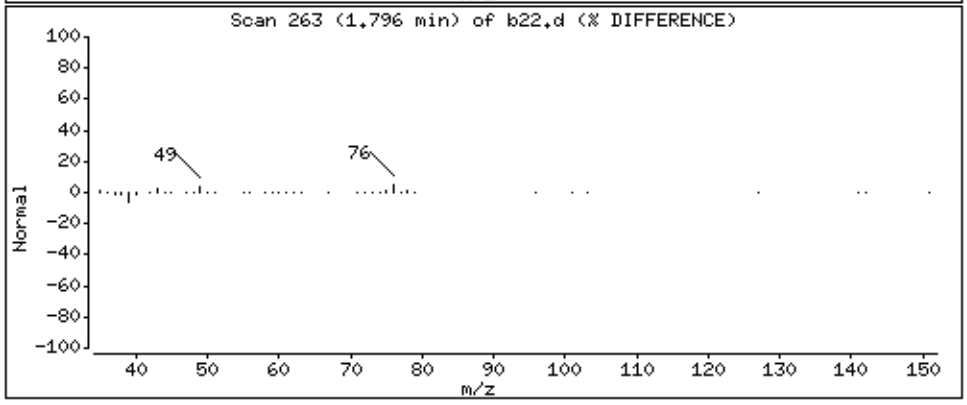
Concentration: 101 ppb

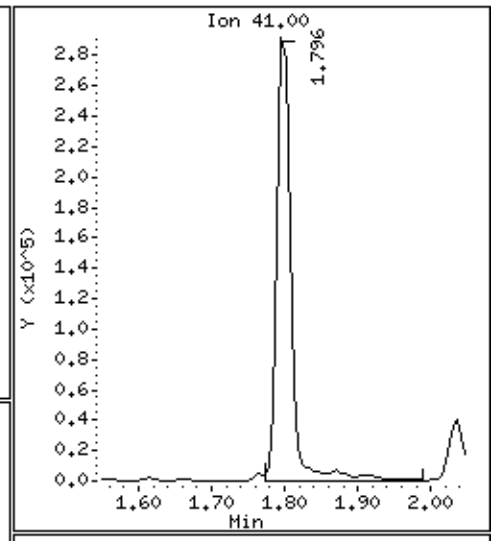
Review Code:

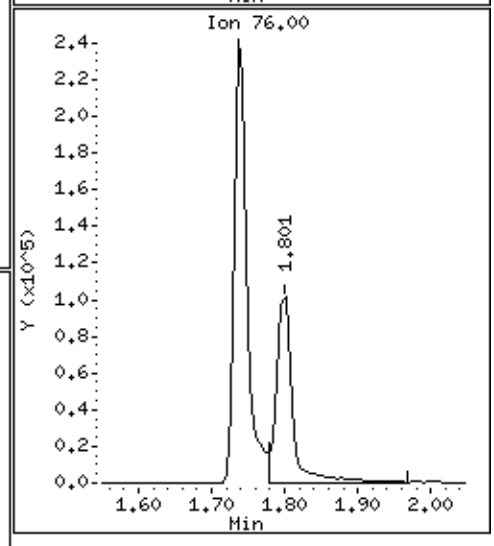












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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

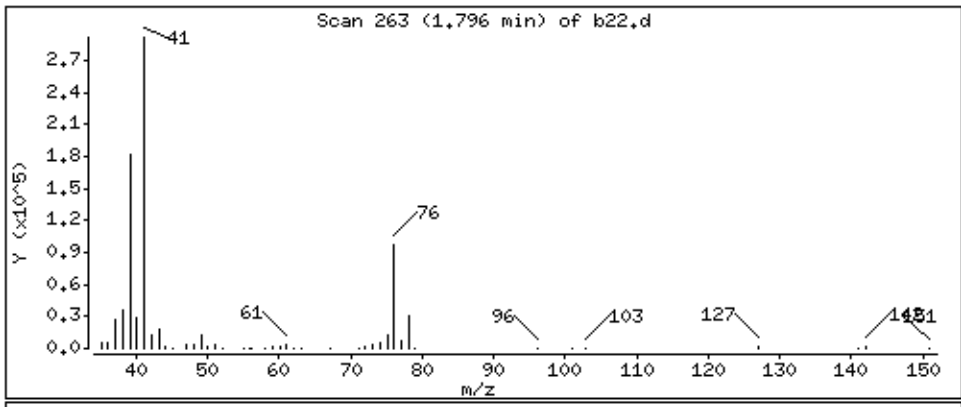
Column phase: DB-624

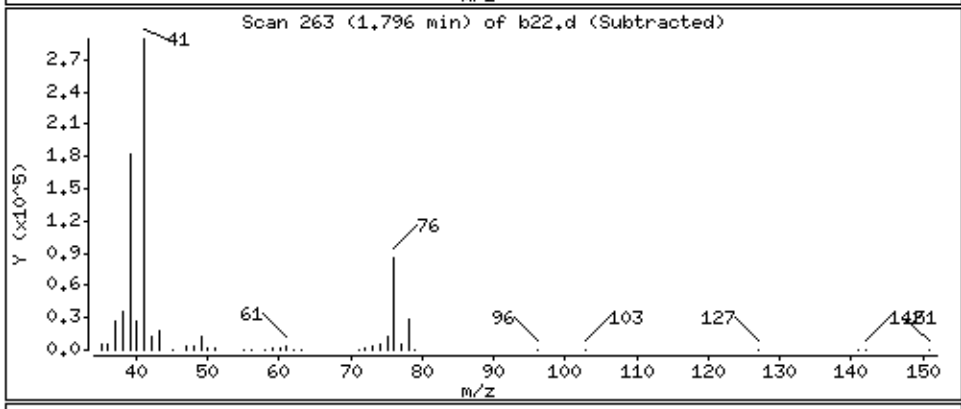
Column diameter: 0.18

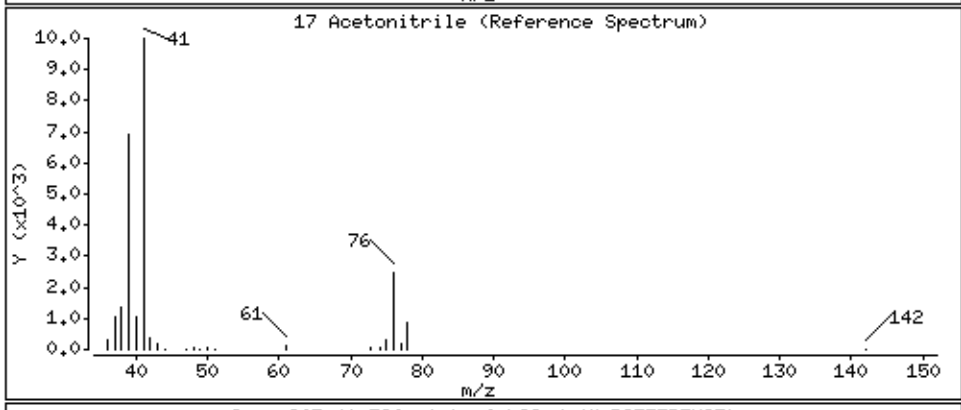
17 Acetonitrile

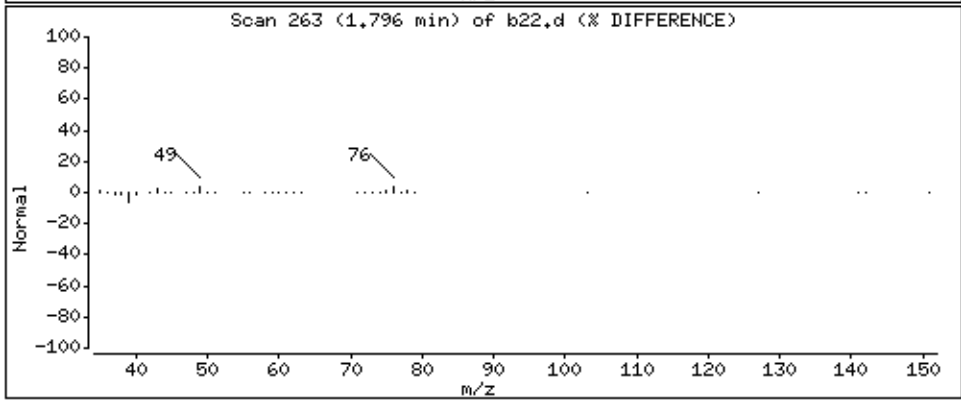
Concentration: 43.2 ppb

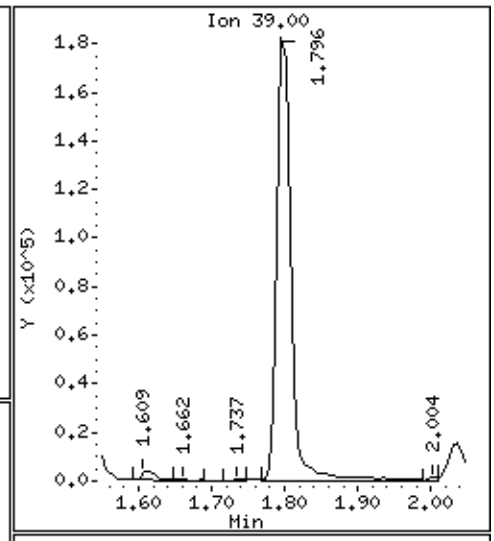
Review Code:

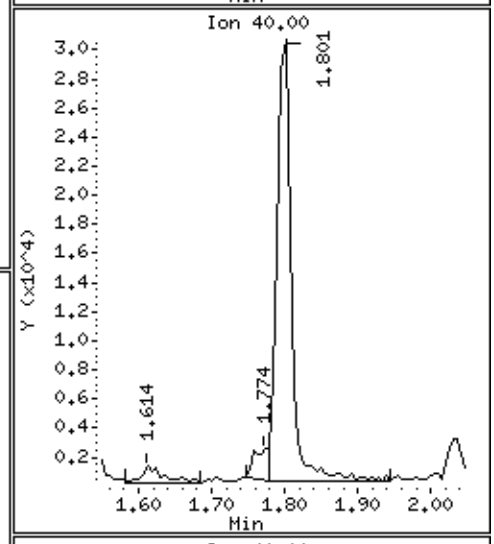


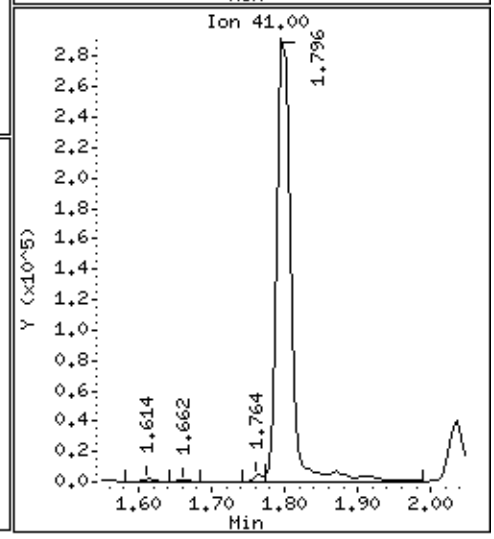












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

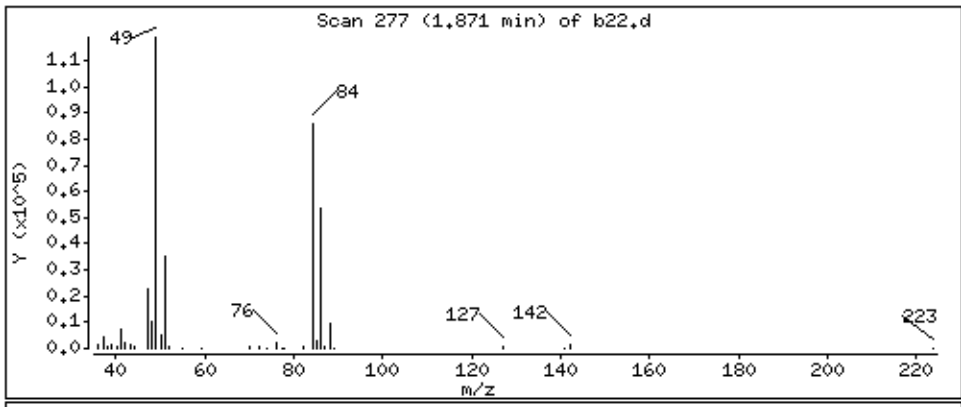
Column phase: DB-624

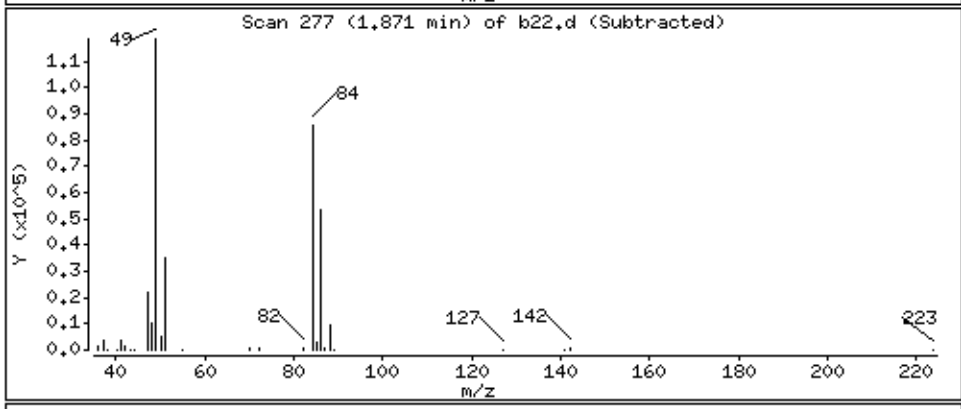
Column diameter: 0.18

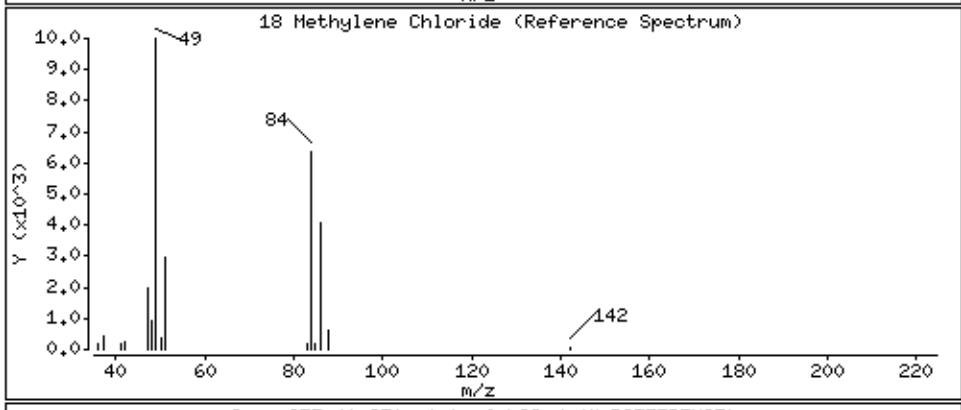
18 Methylene Chloride

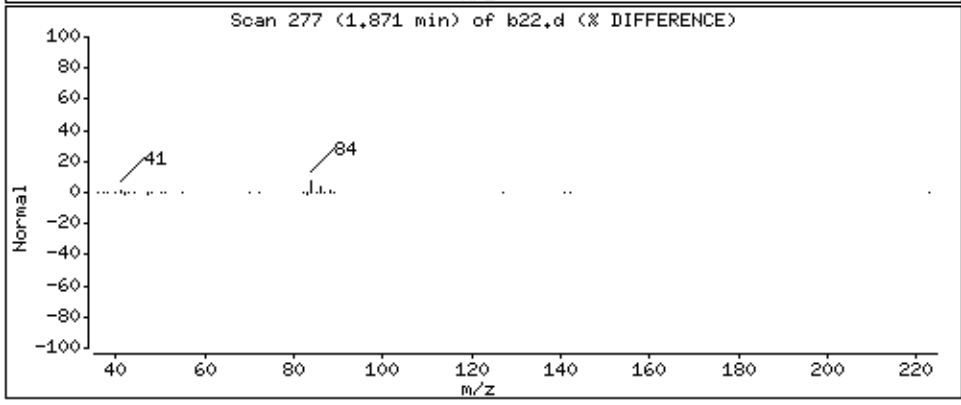
Concentration: 62.2 ppb

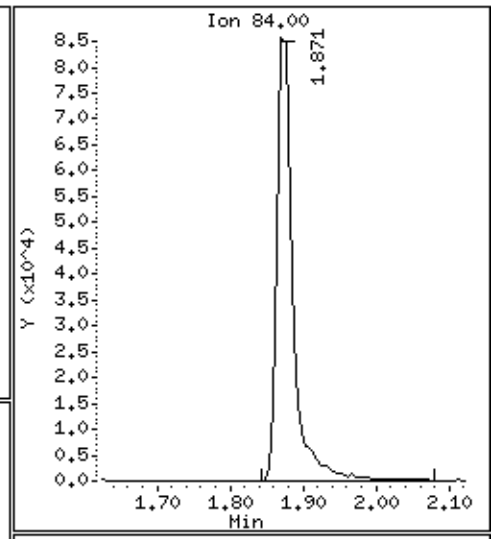
Review Code:

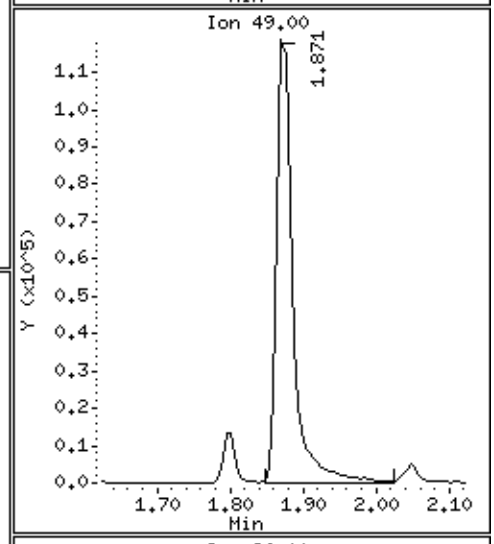


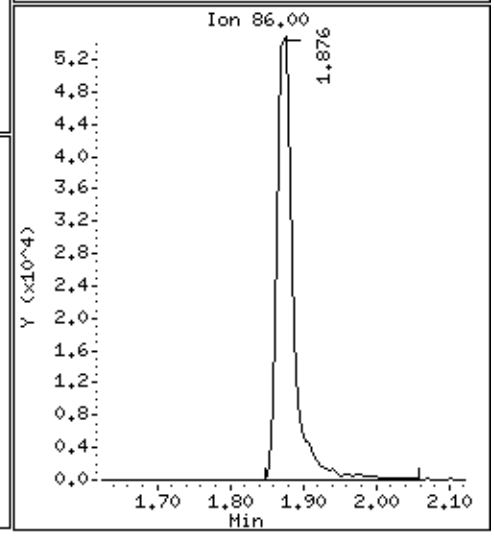












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

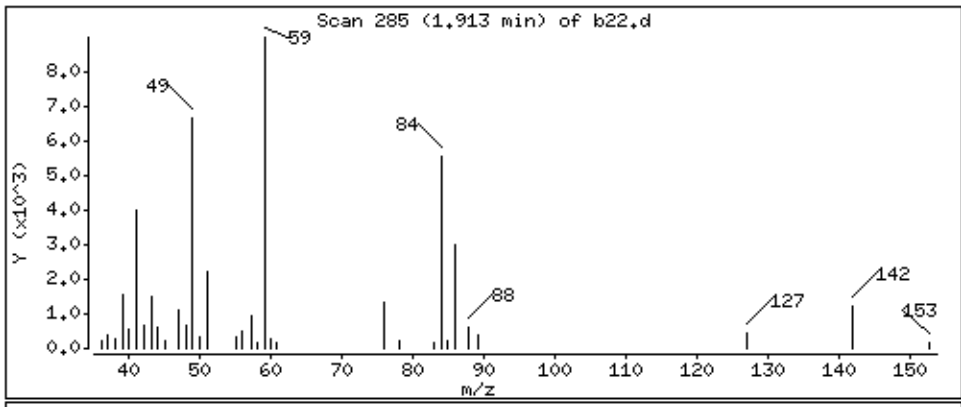
Column phase: DB-624

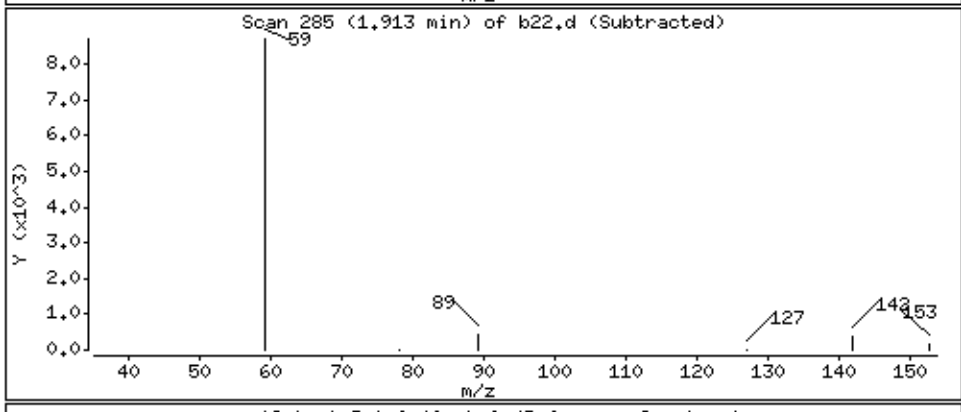
Column diameter: 0.18

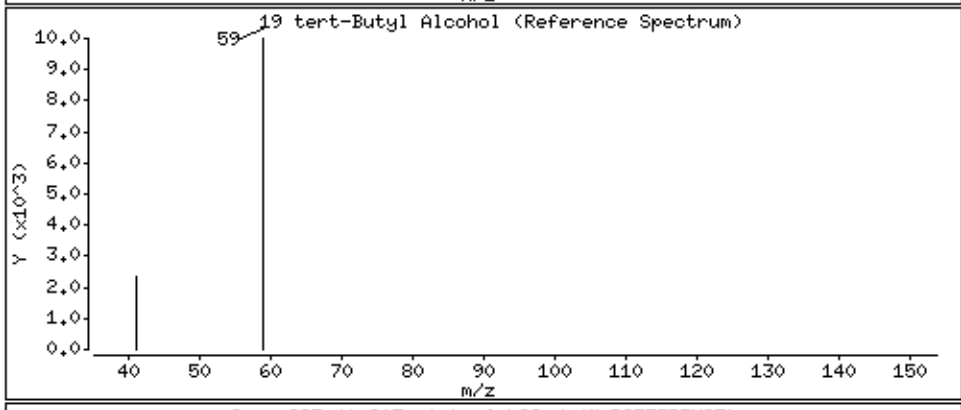
19 tert-Butyl Alcohol

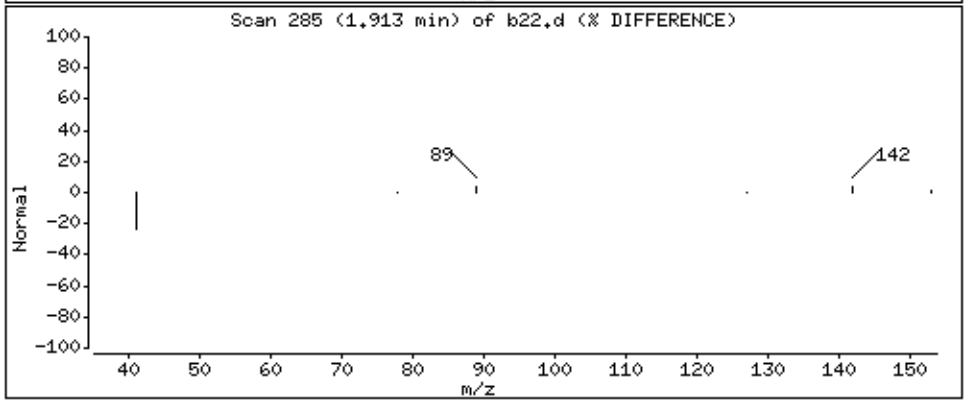
Concentration: 122 ppb

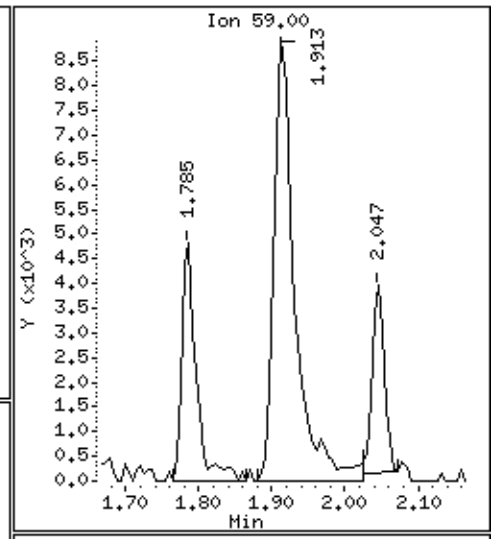
Review Code:

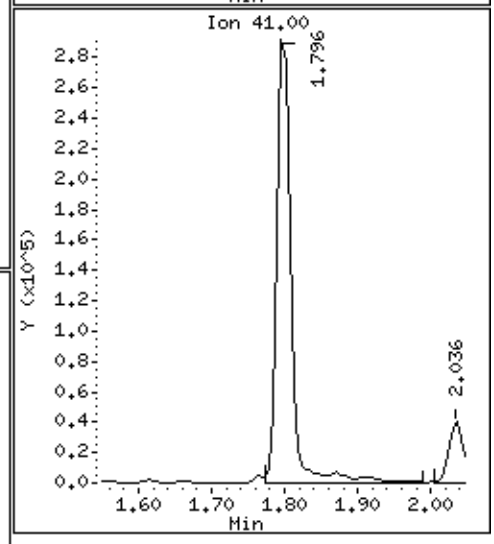












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

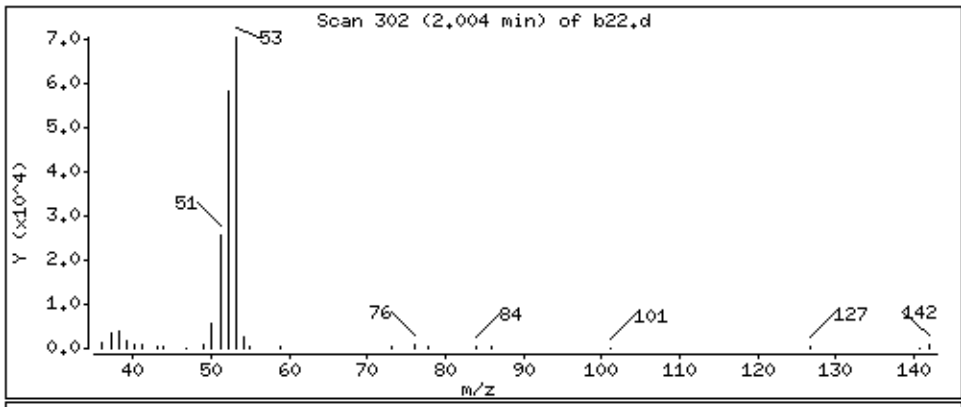
Column phase: DB-624

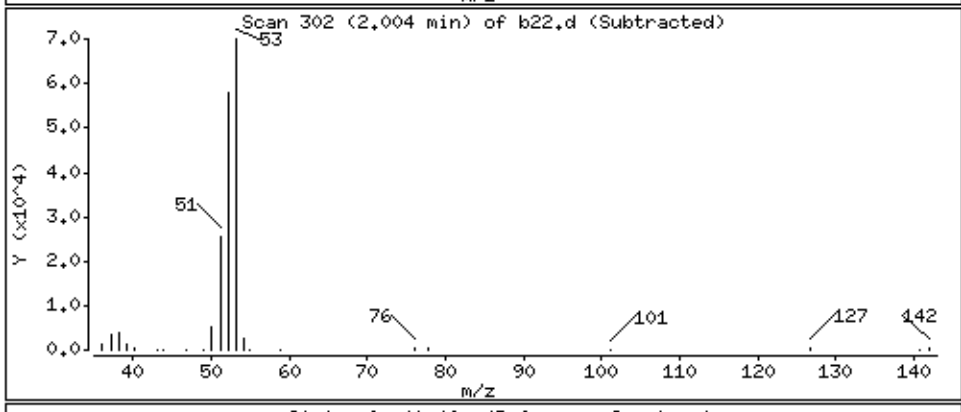
Column diameter: 0.18

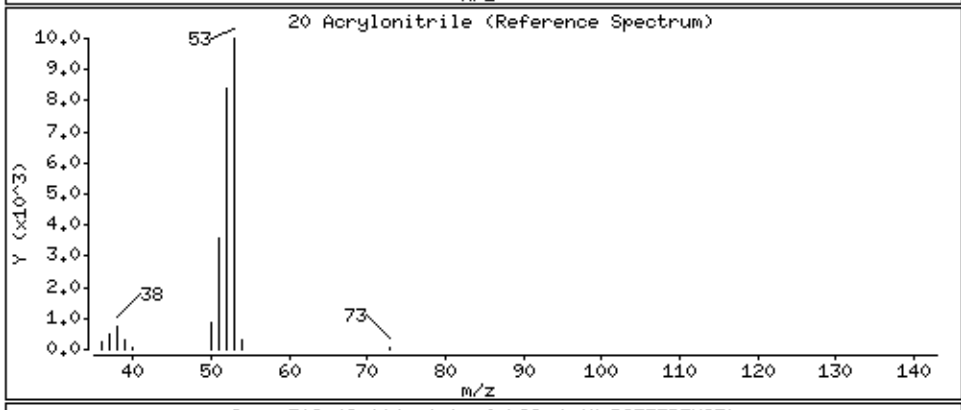
20 Acrylonitrile

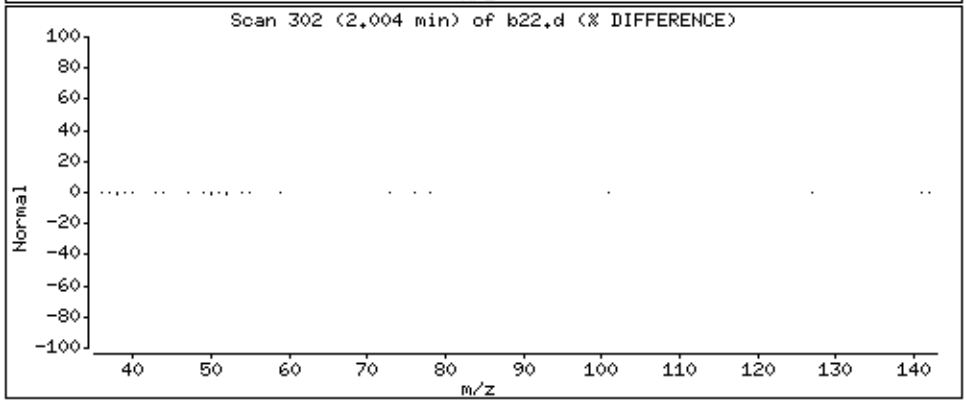
Concentration: 230 ppb

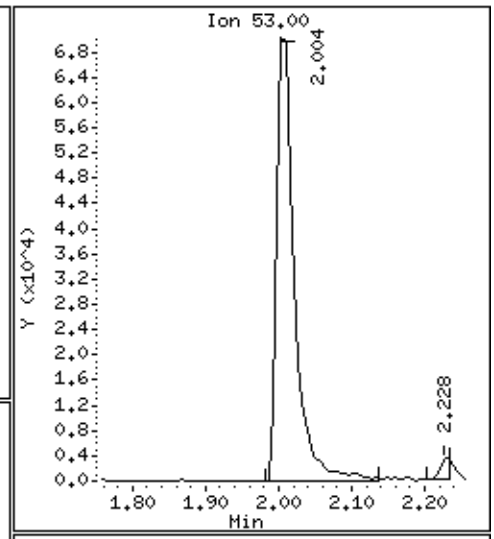
Review Code:

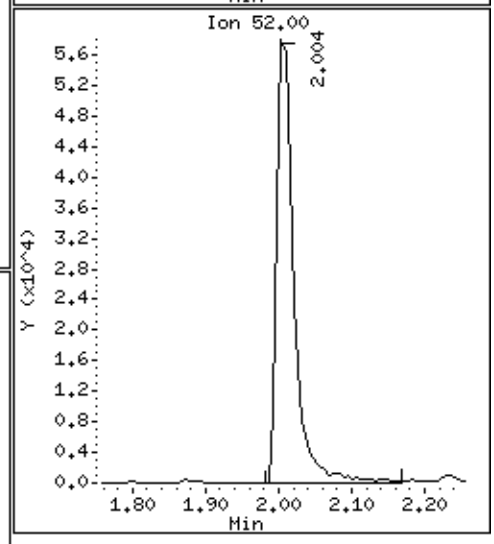












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

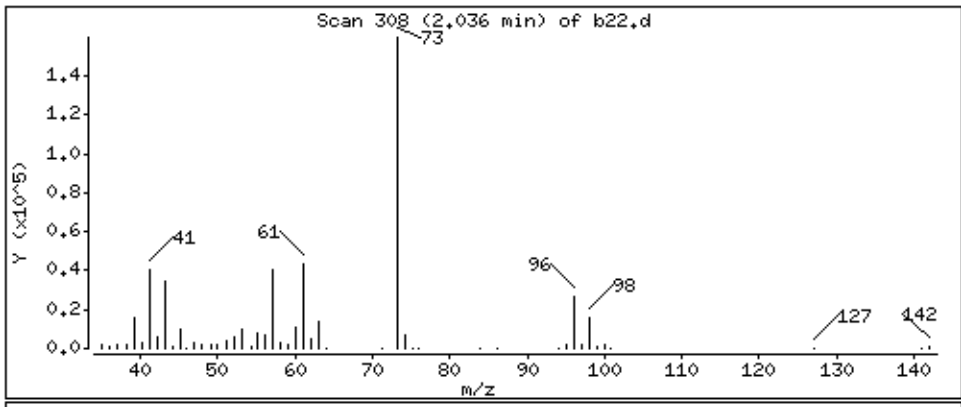
Column phase: DB-624

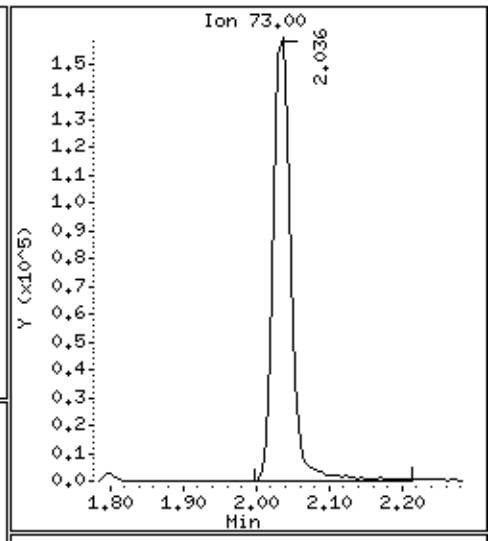
Column diameter: 0.18

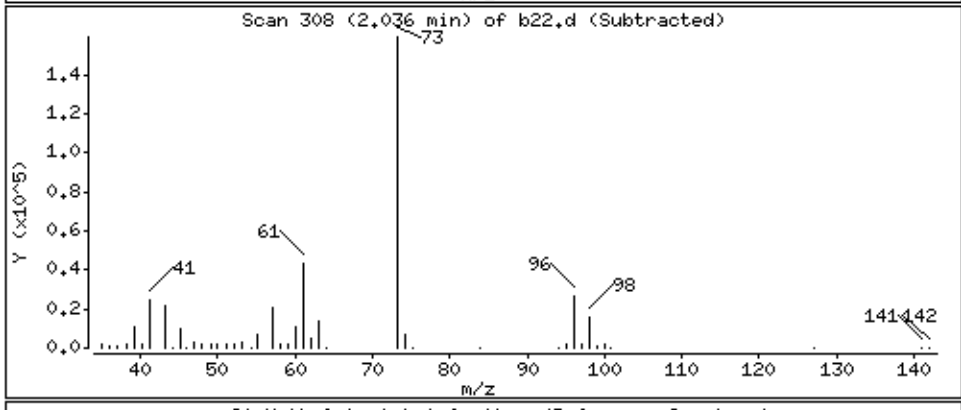
21 Methyl-tert-butyl ether

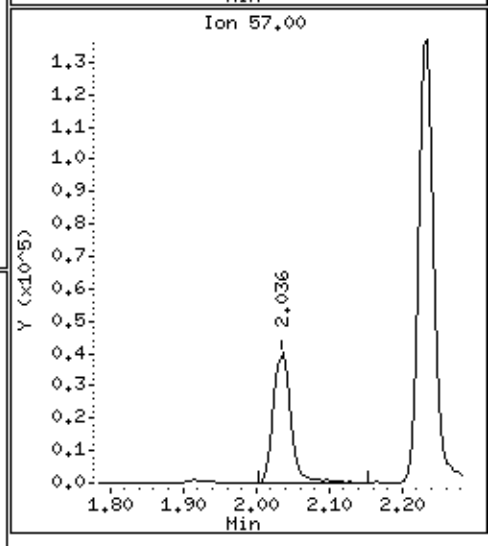
Concentration: 55.8 ppb

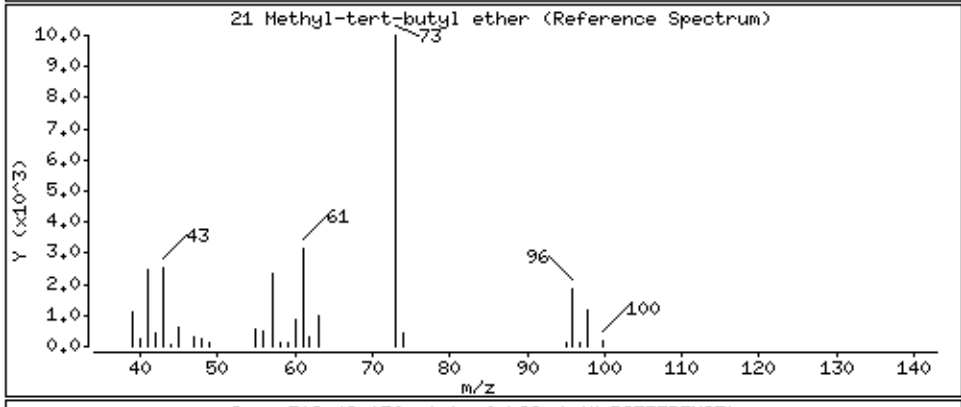
Review Code:

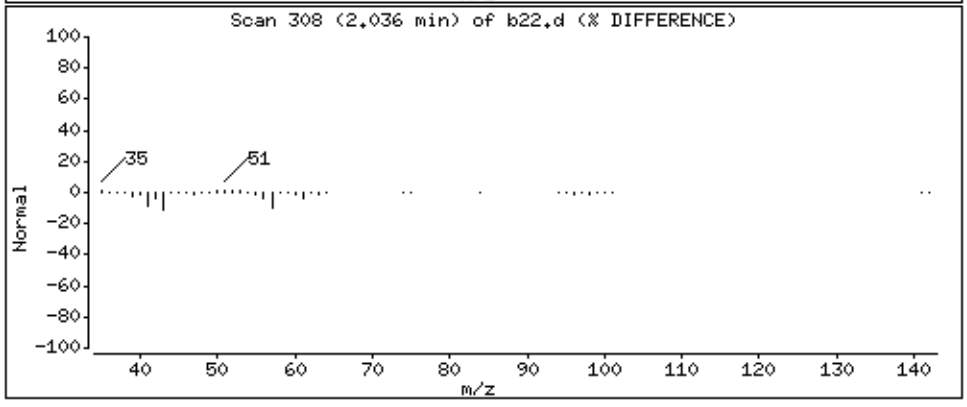












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

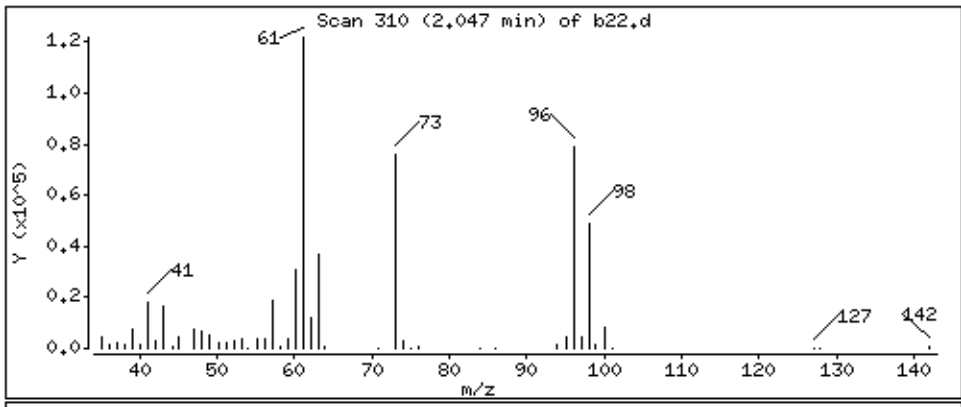
Column phase: DB-624

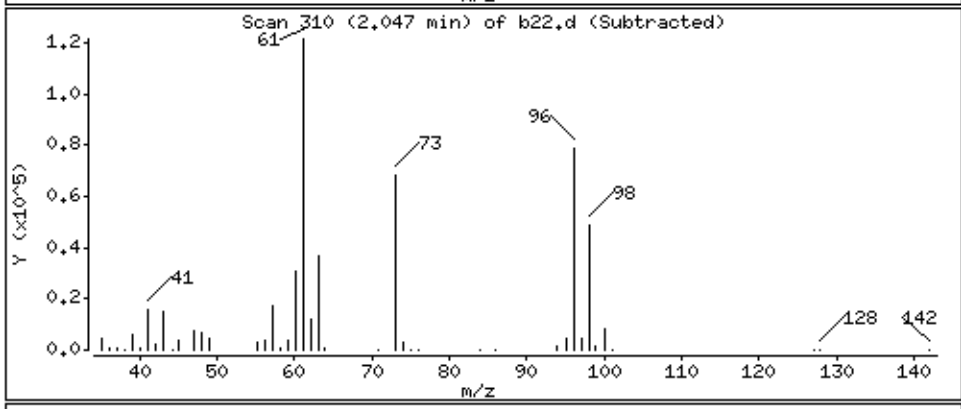
Column diameter: 0.18

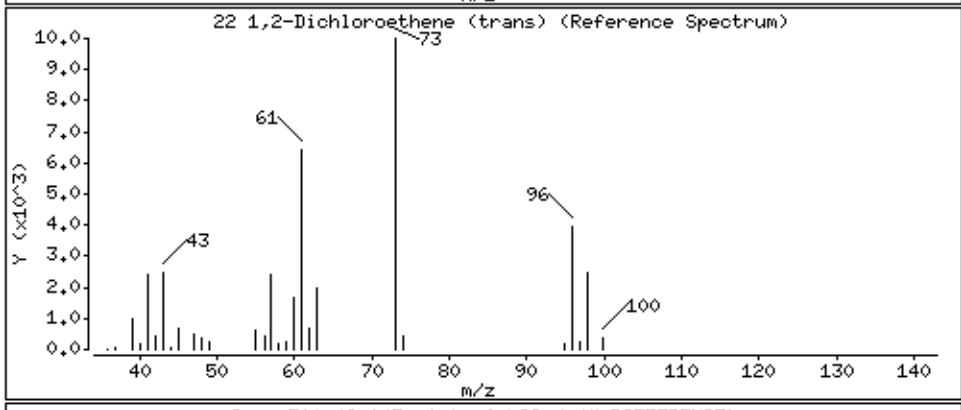
22 1,2-Dichloroethene (trans)

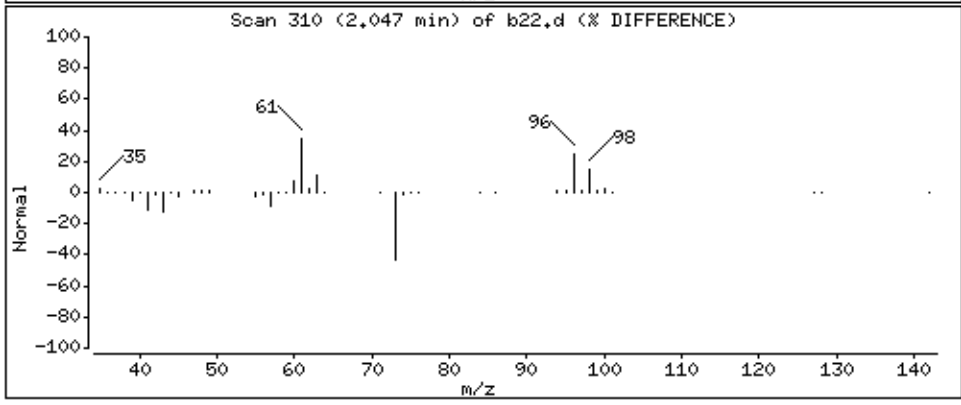
Concentration: 49.8 ppb

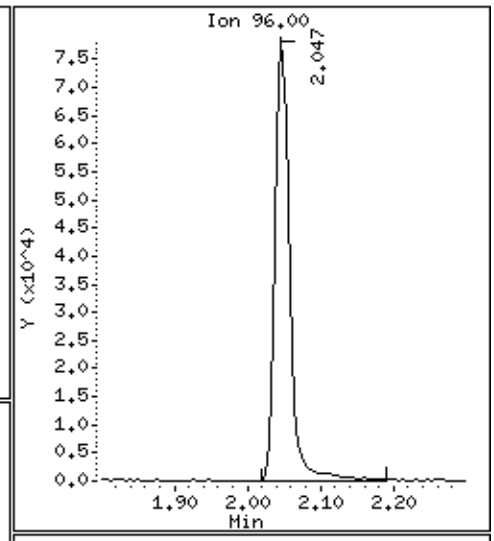
Review Code:

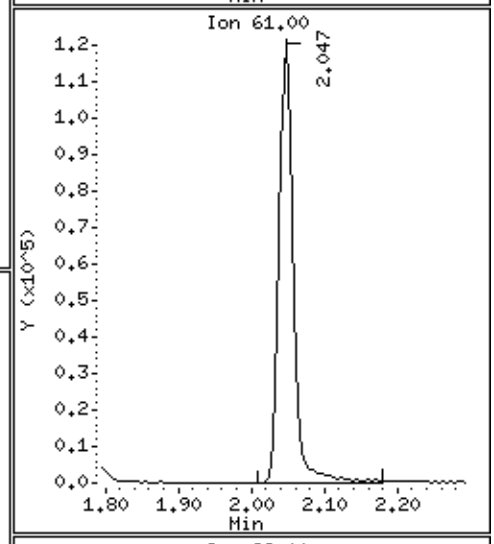


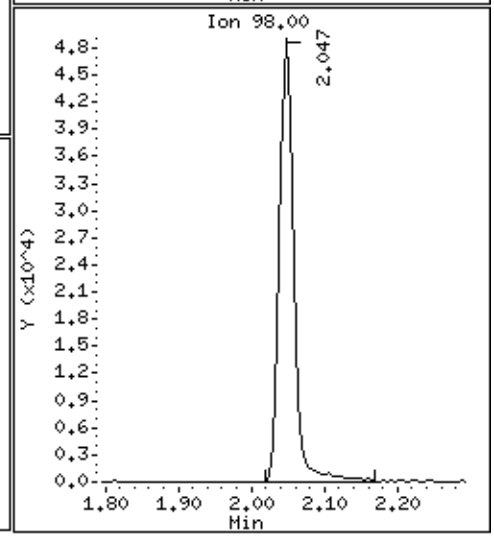












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

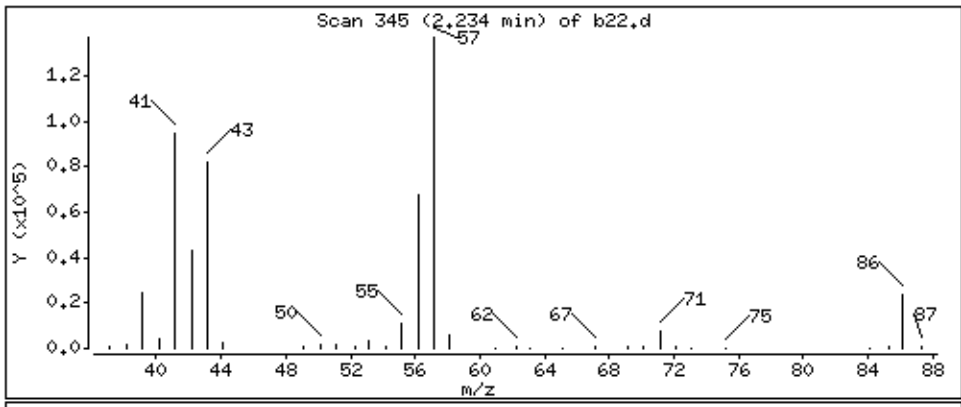
Column phase: DB-624

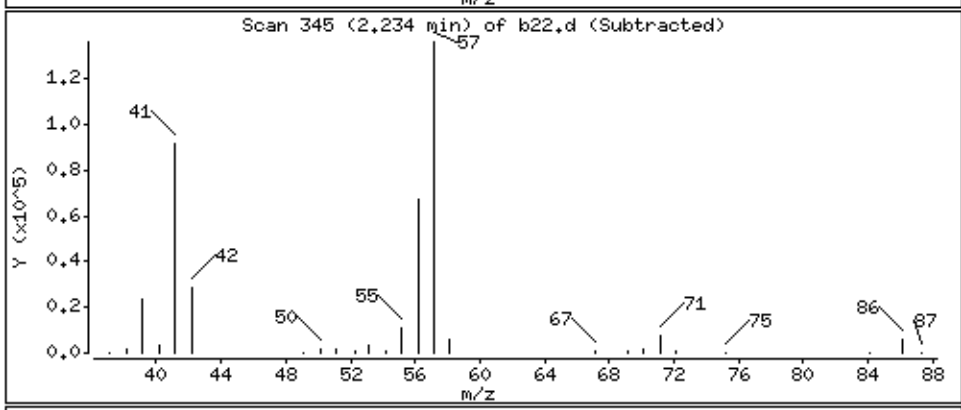
Column diameter: 0.18

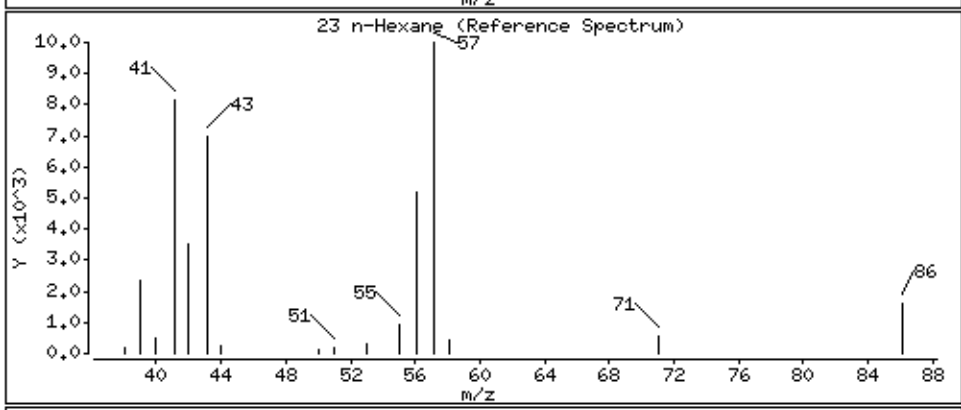
23 n-Hexane

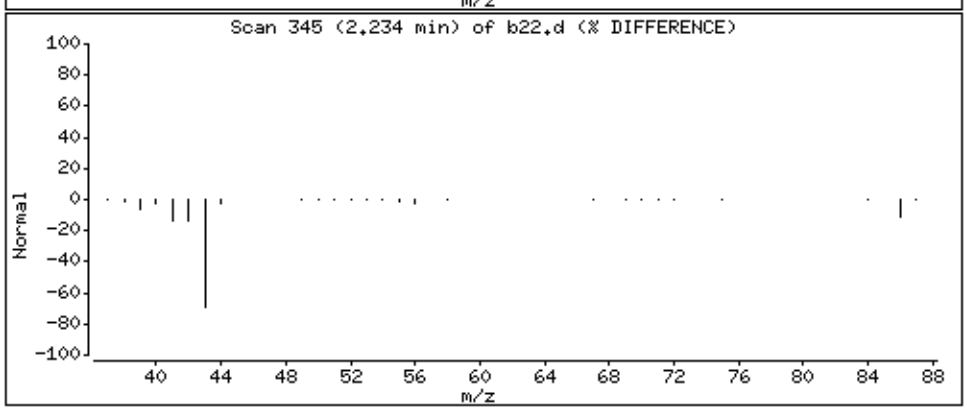
Concentration: 51.8 ppb

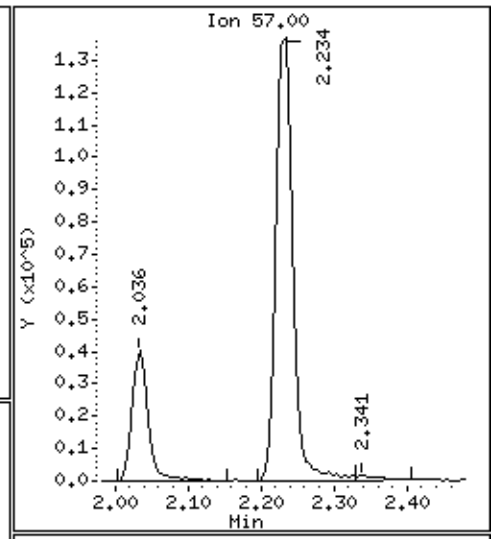
Review Code:

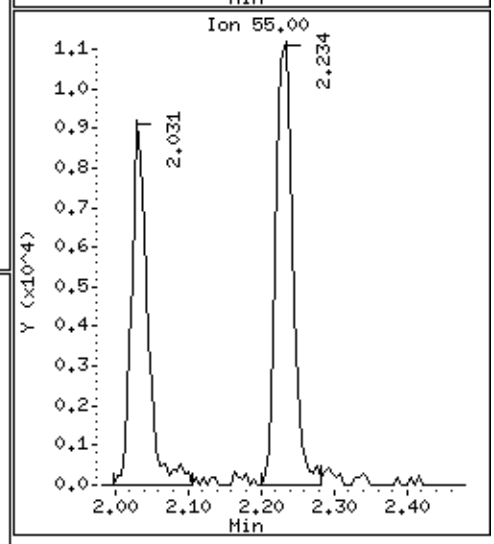












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

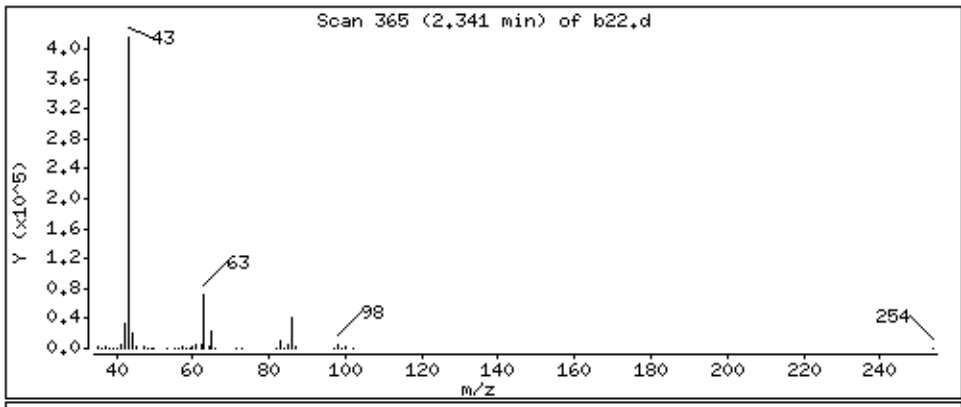
Column phase: DB-624

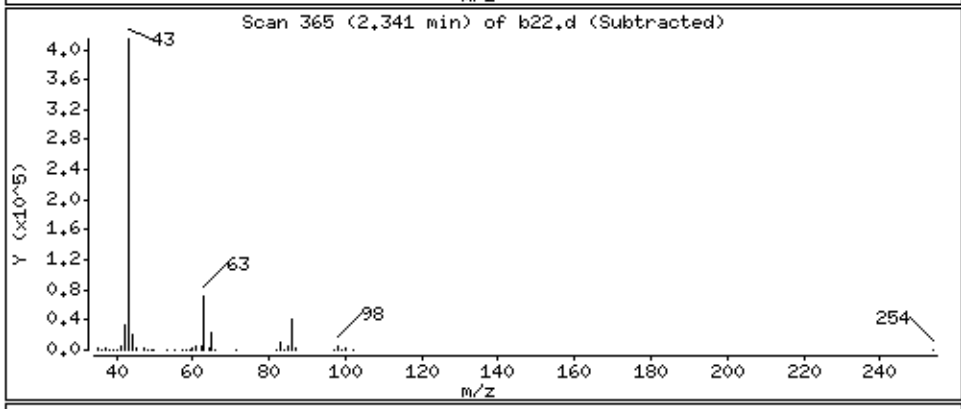
Column diameter: 0.18

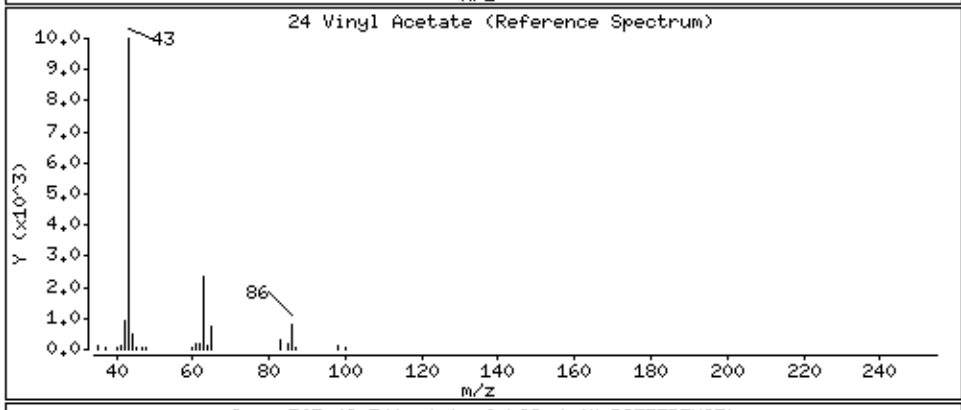
24 Vinyl Acetate

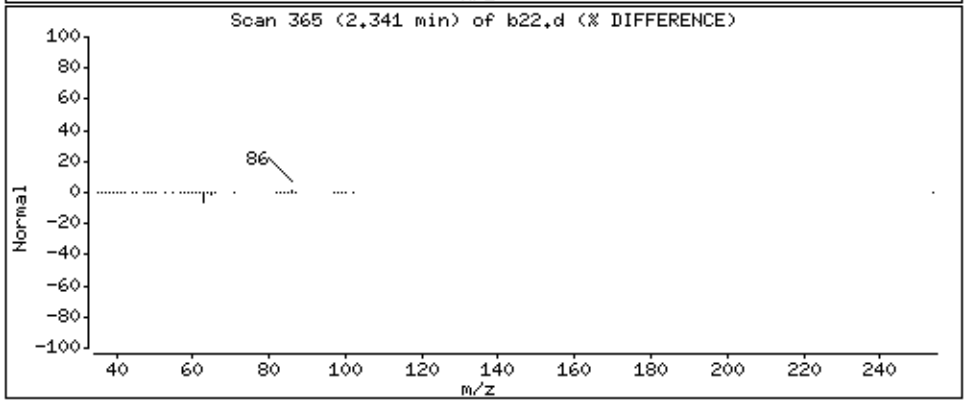
Concentration: 204 ppb

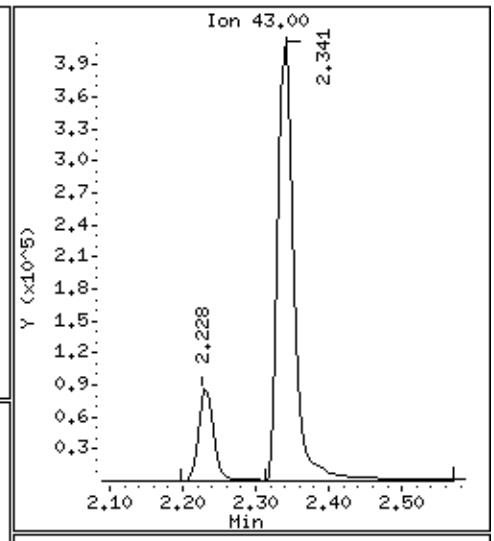
Review Code:

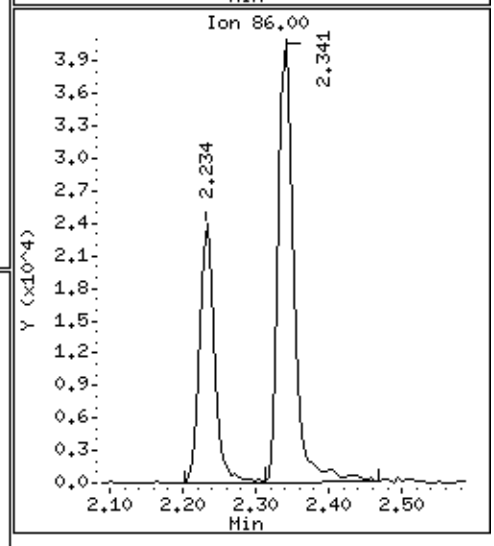












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

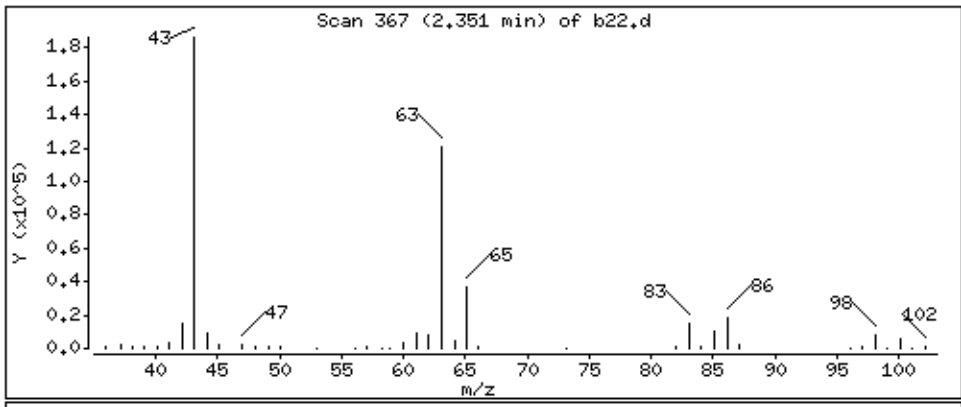
Column phase: DB-624

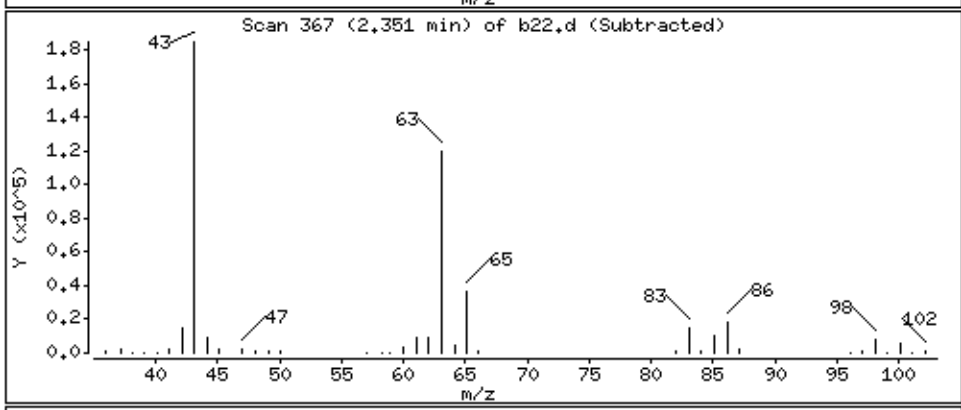
Column diameter: 0.18

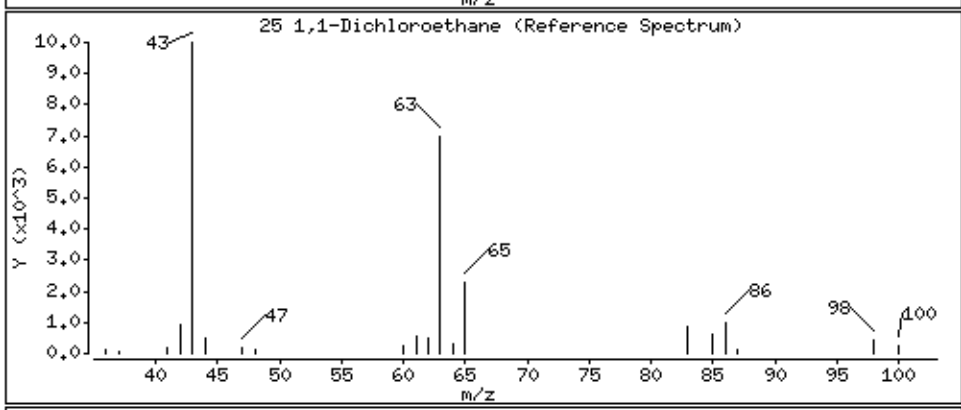
25 1,1-Dichloroethane

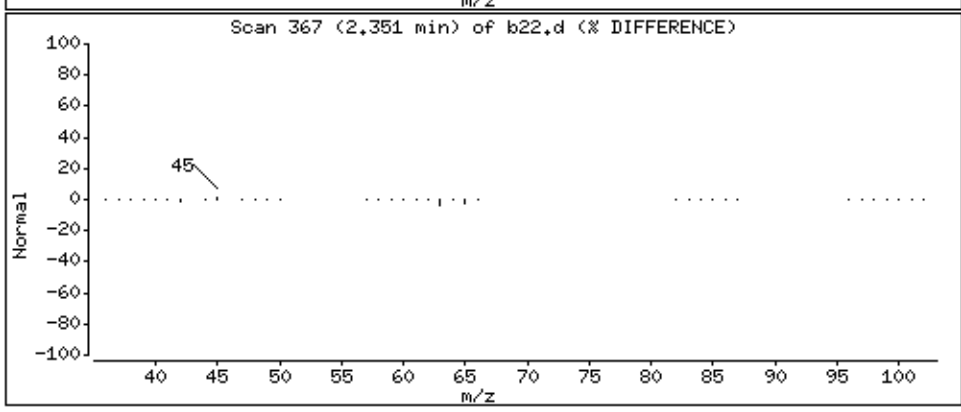
Concentration: 50.4 ppb

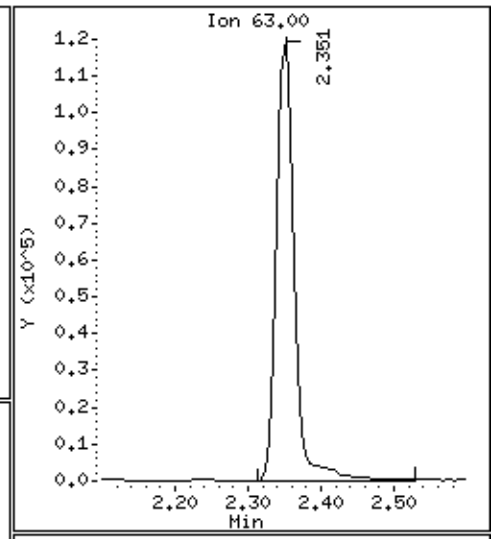
Review Code:

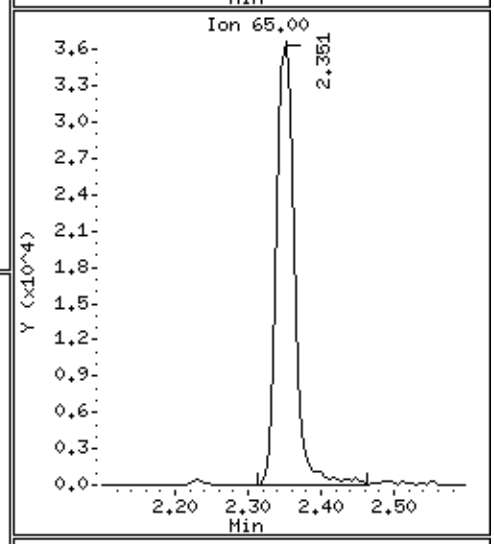


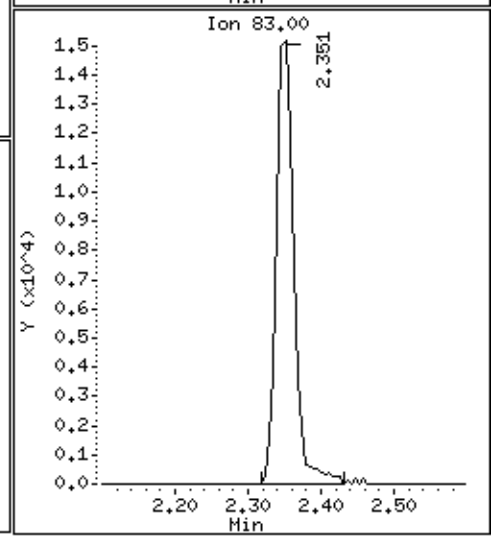












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

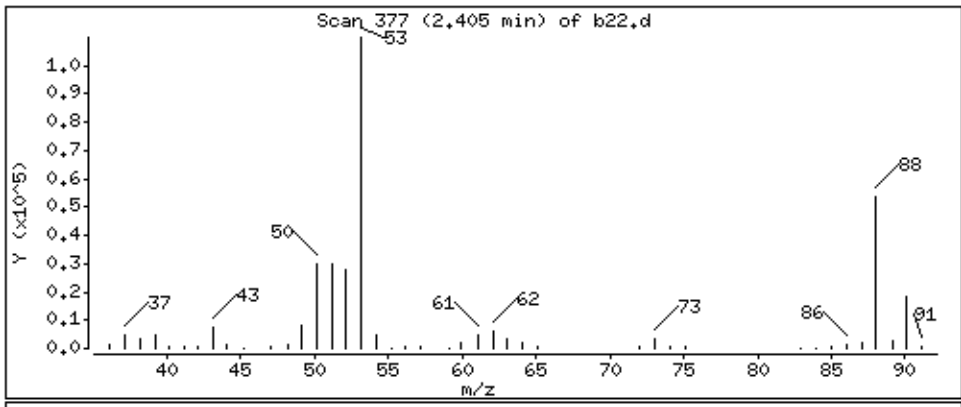
Column phase: DB-624

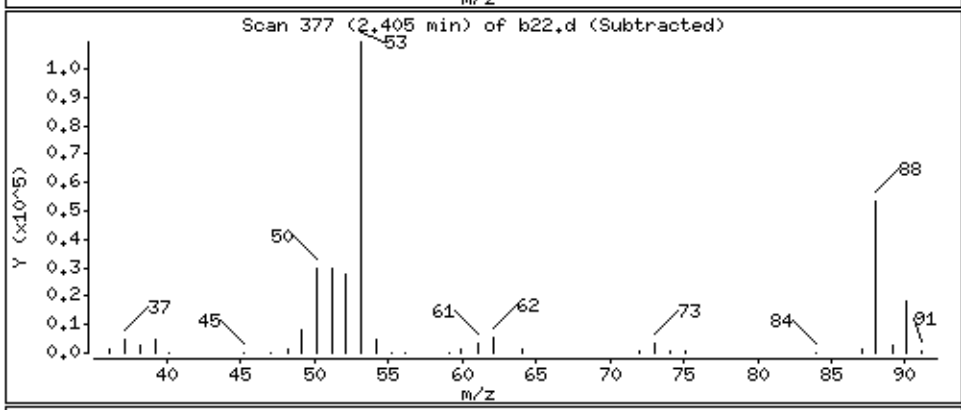
Column diameter: 0.18

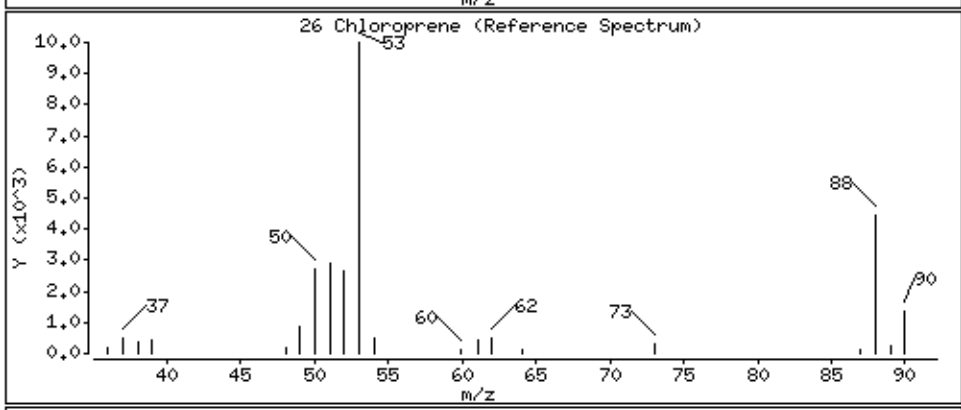
26 Chloroprene

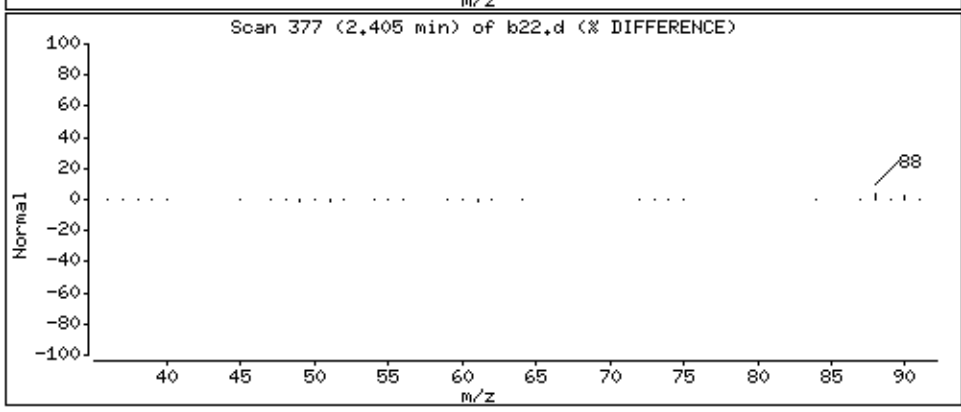
Concentration: 45.6 ppb

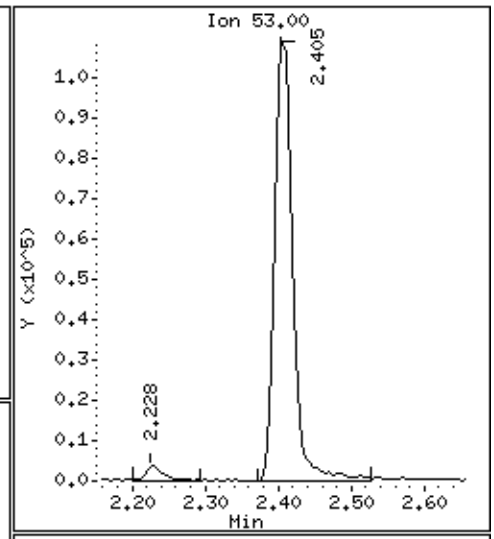
Review Code:

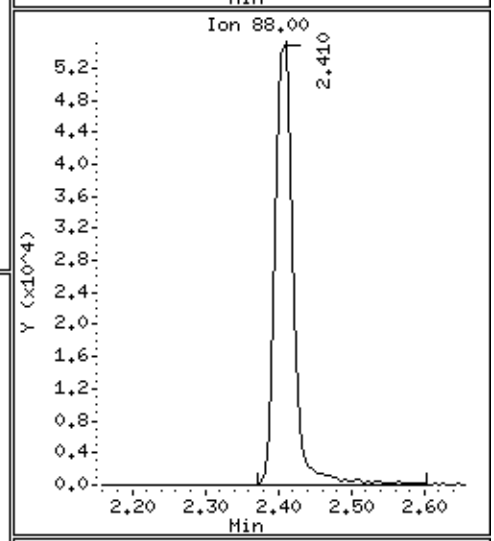


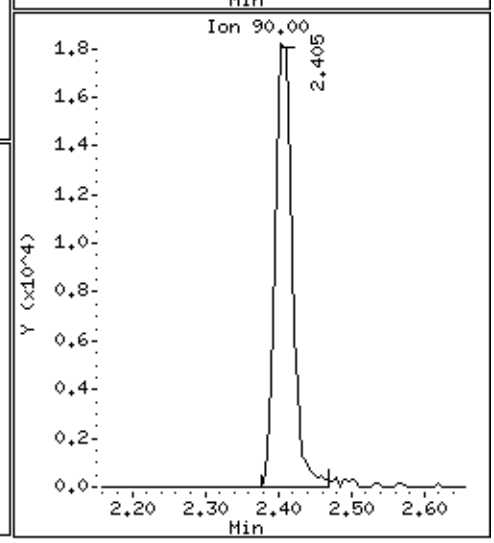












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

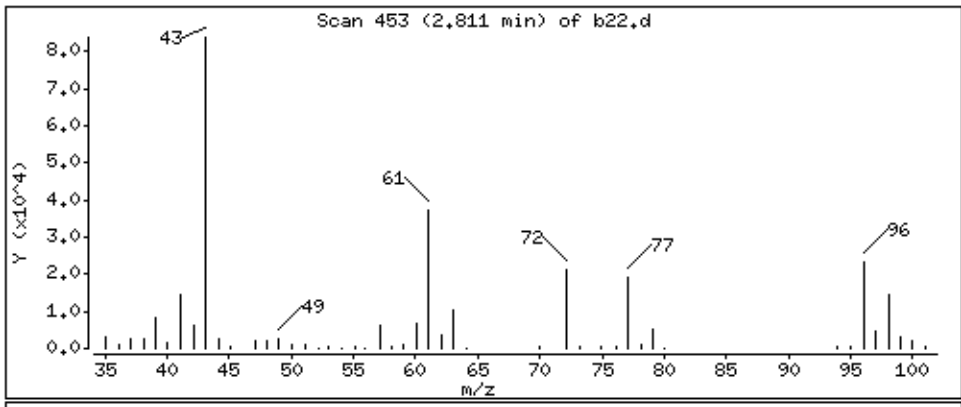
Column phase: DB-624

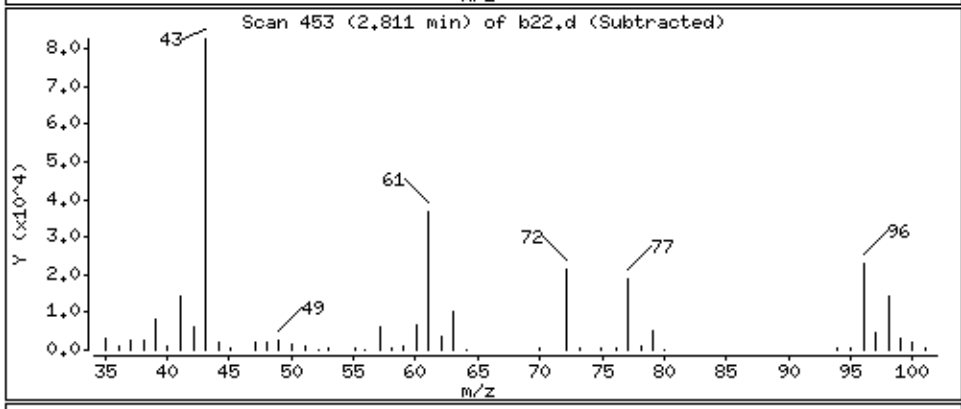
Column diameter: 0.18

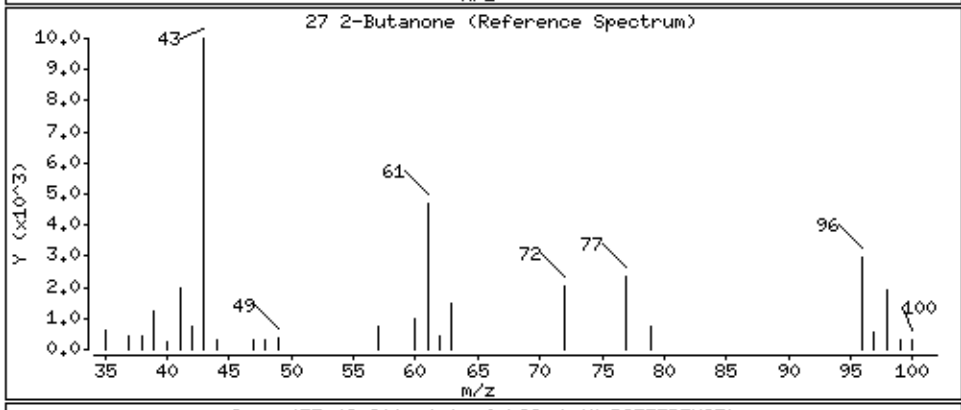
27 2-Butanone

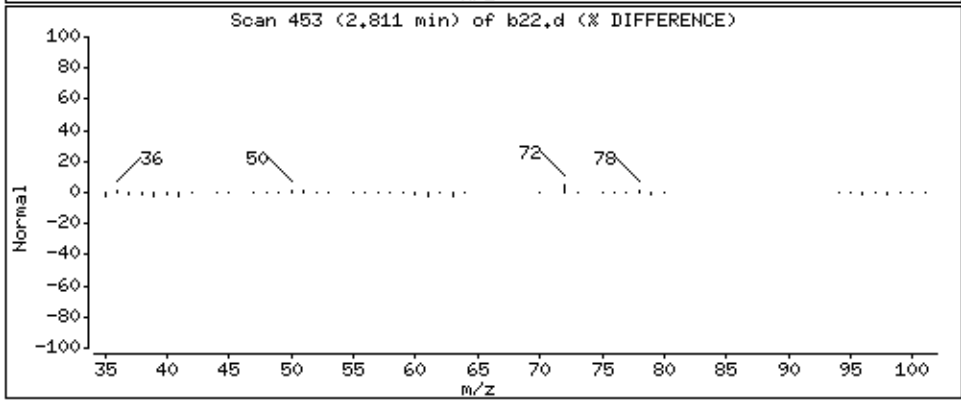
Concentration: 309 ppb

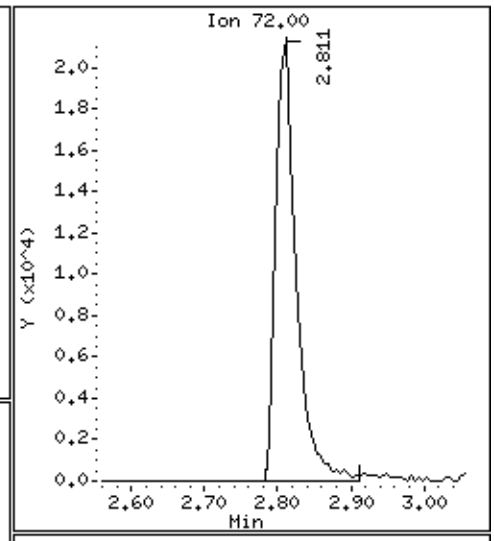
Review Code:

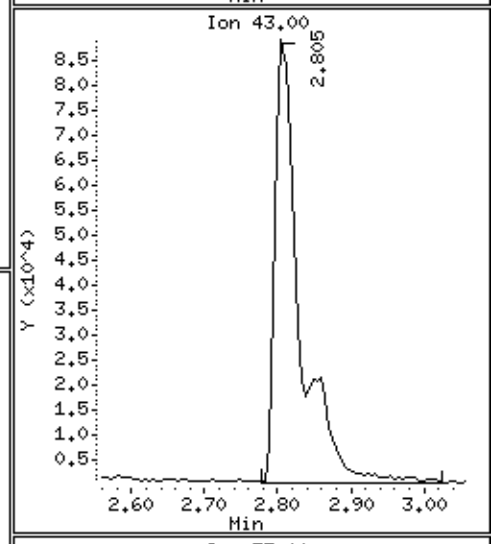


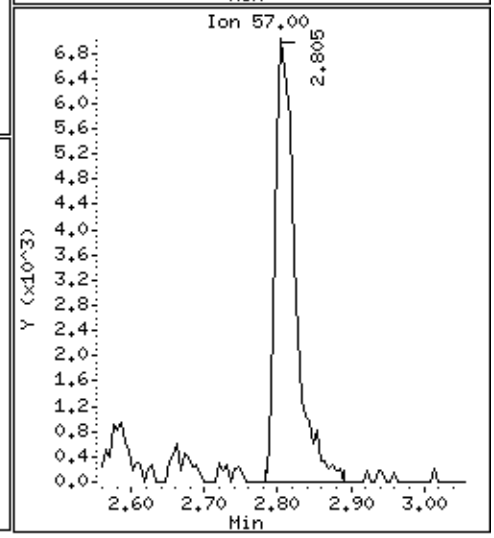












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Page 32

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

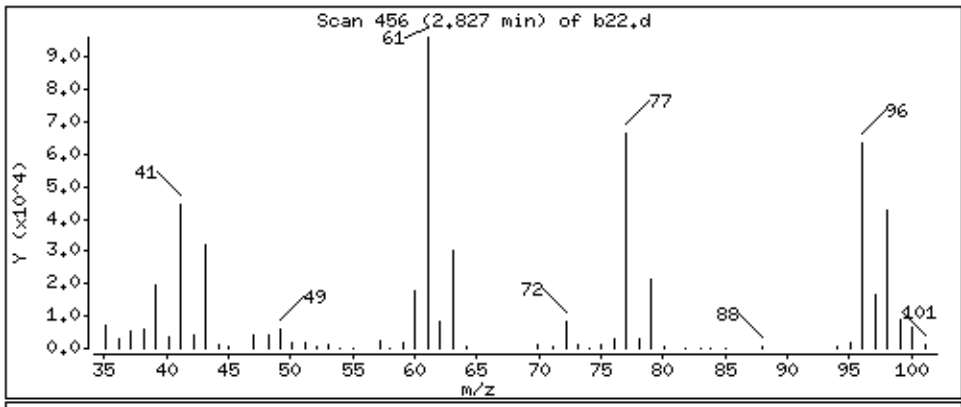
Column phase: DB-624

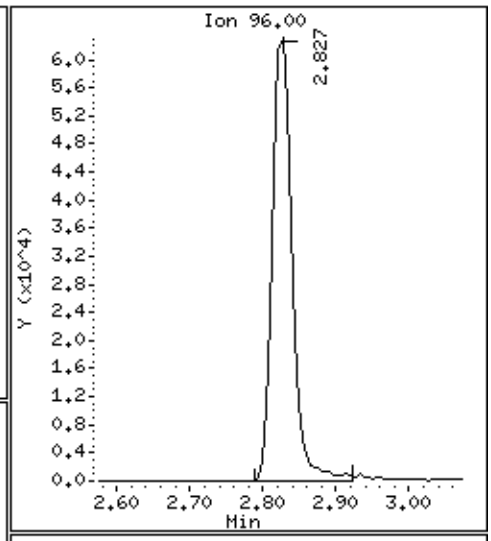
Column diameter: 0.18

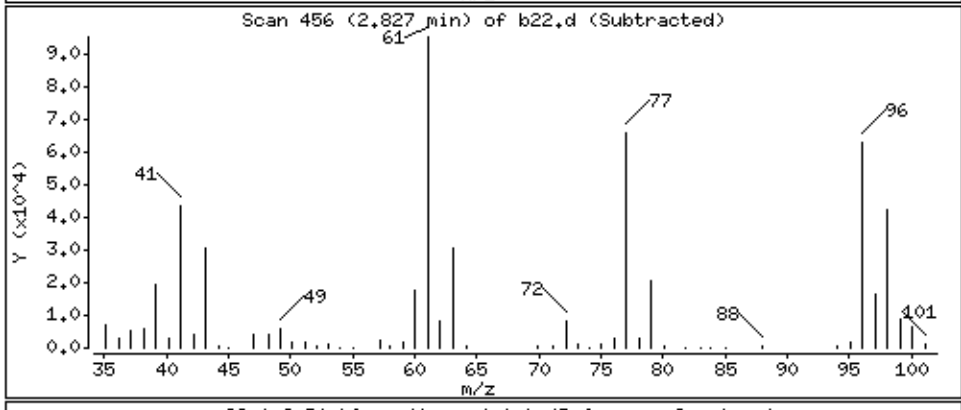
28 1,2-Dichloroethene (cis)

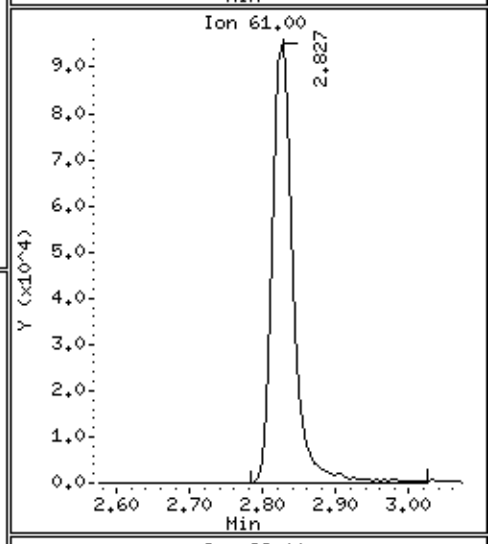
Concentration: 52.0 ppb

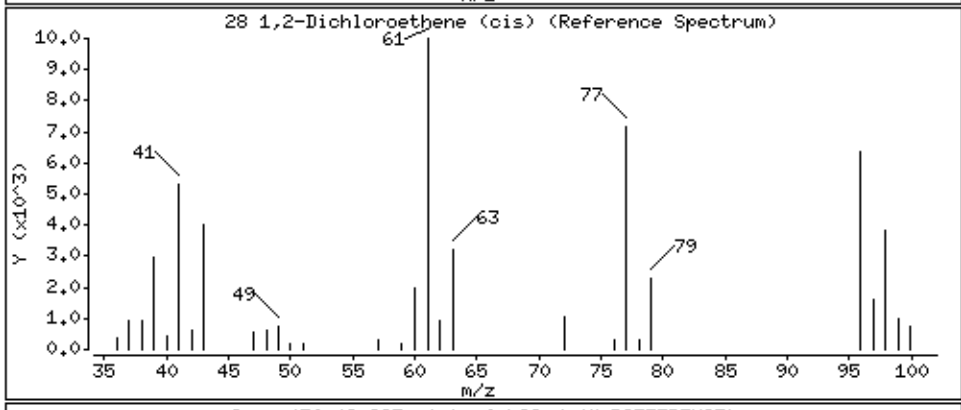
Review Code:

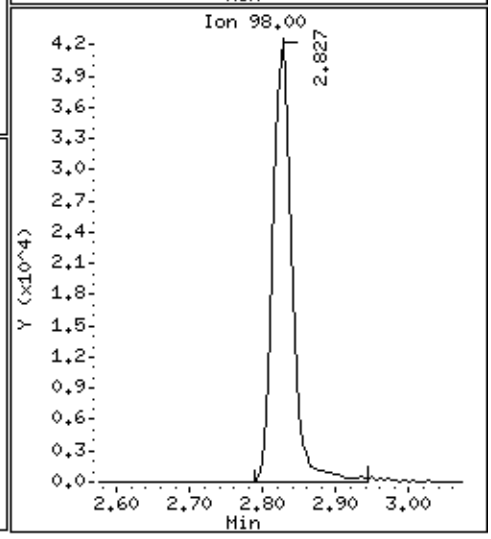


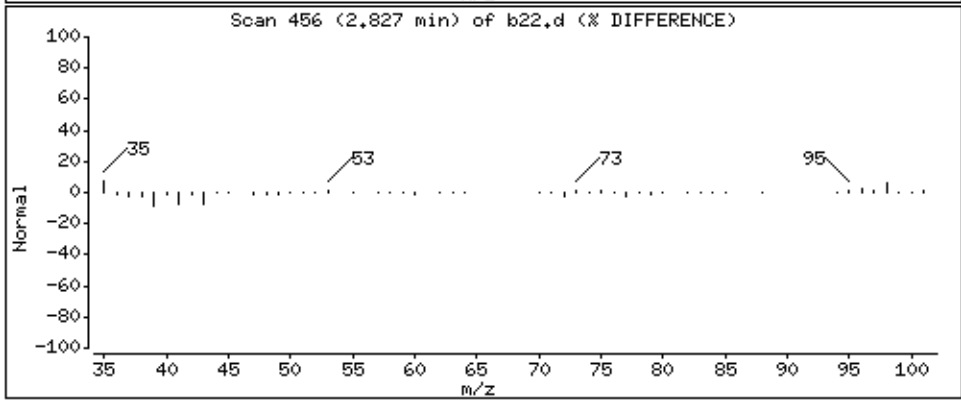












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

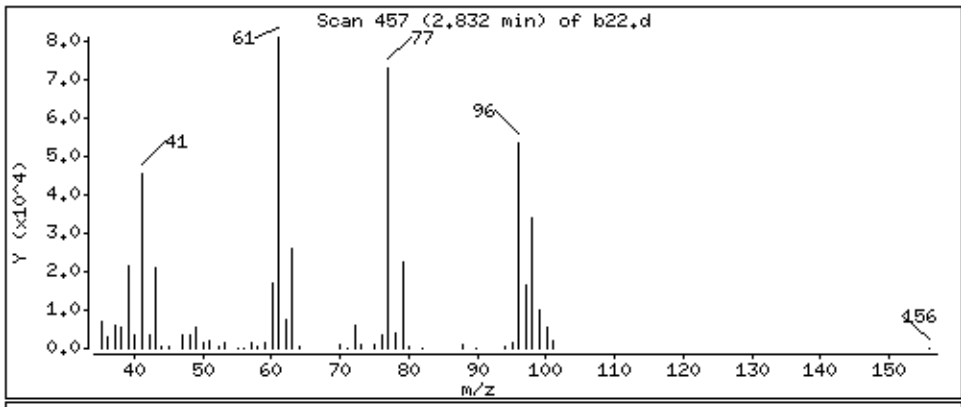
Column phase: DB-624

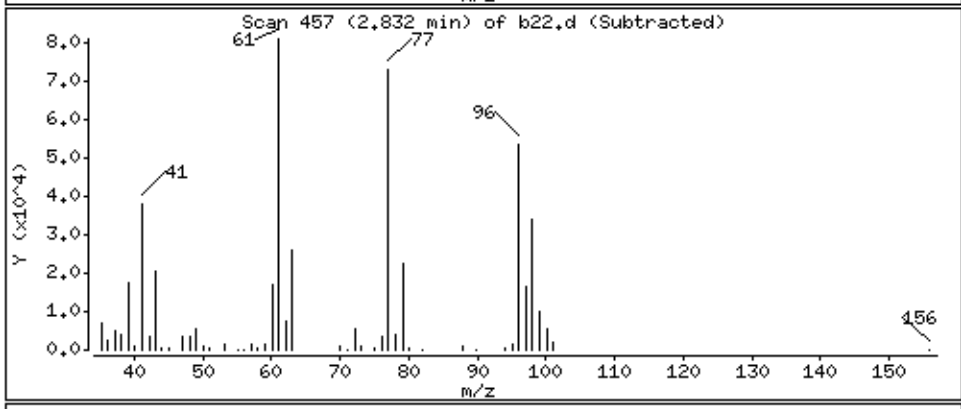
Column diameter: 0.18

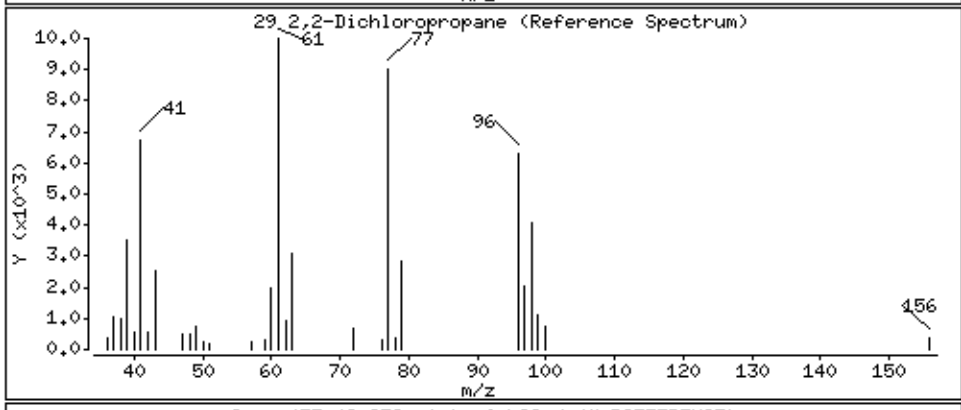
29 2,2-Dichloropropane

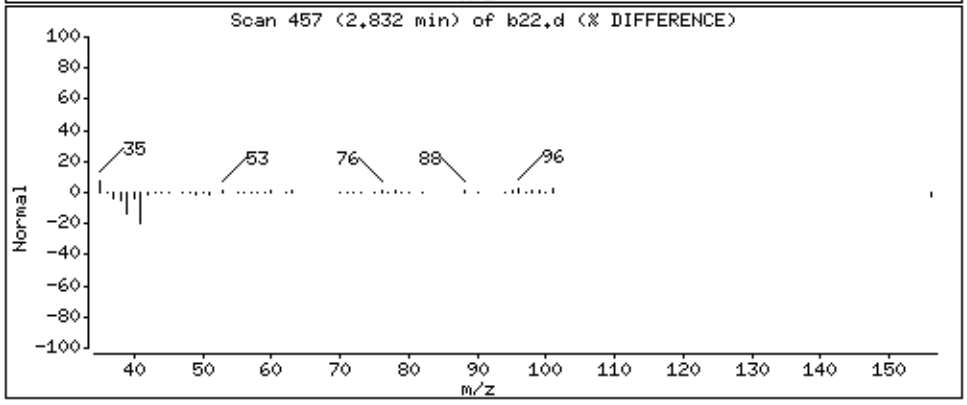
Concentration: 48.4 ppb

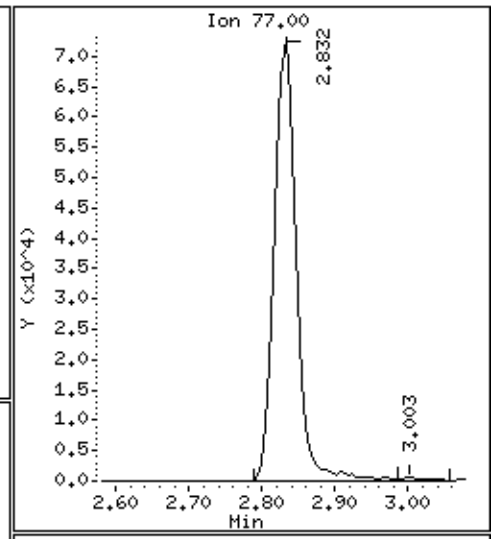
Review Code:

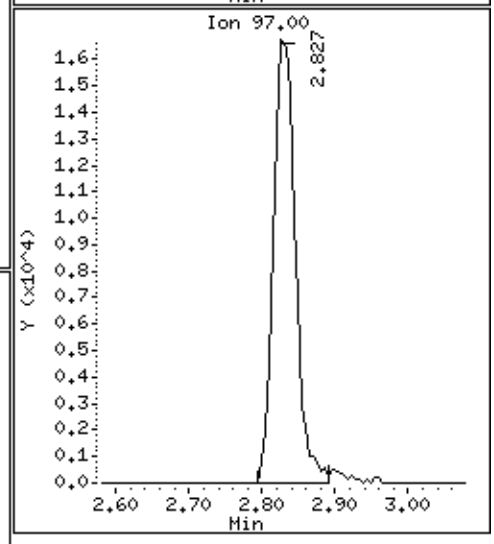












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

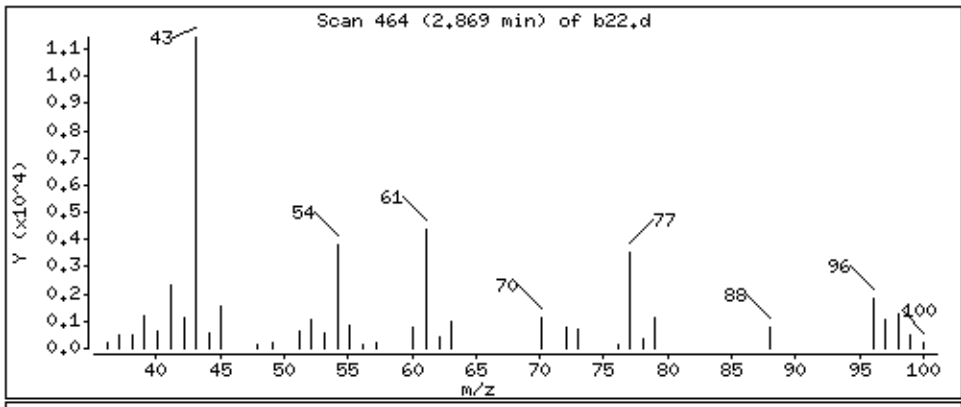
Column phase: DB-624

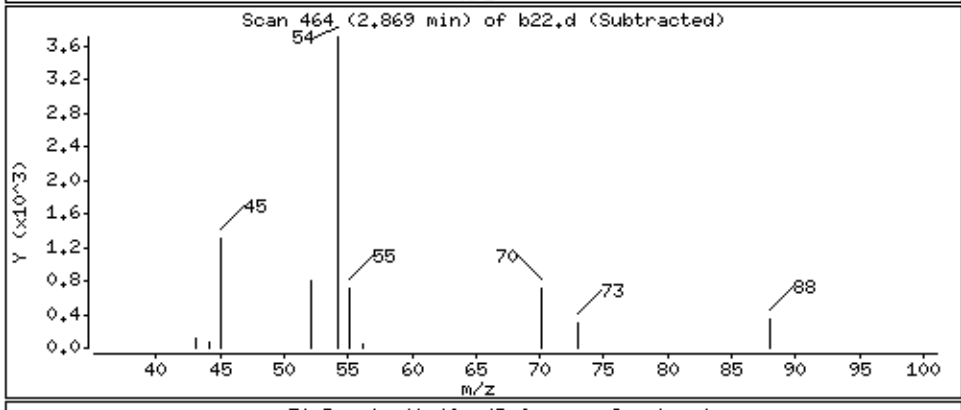
Column diameter: 0.18

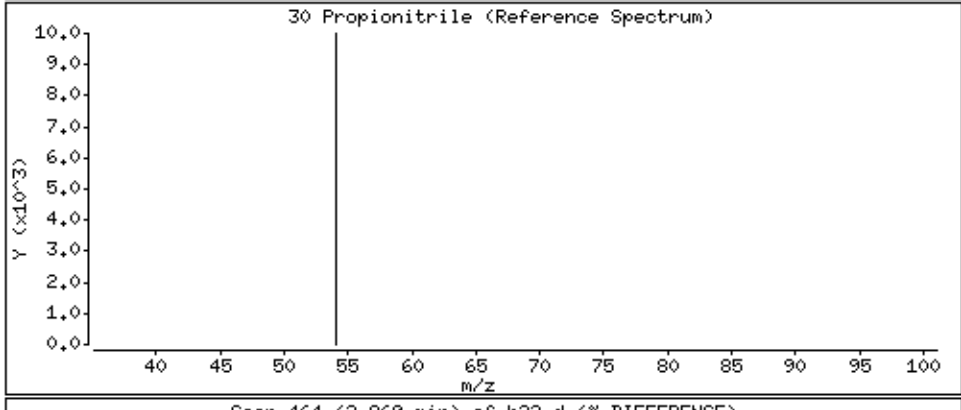
30 Propionitrile

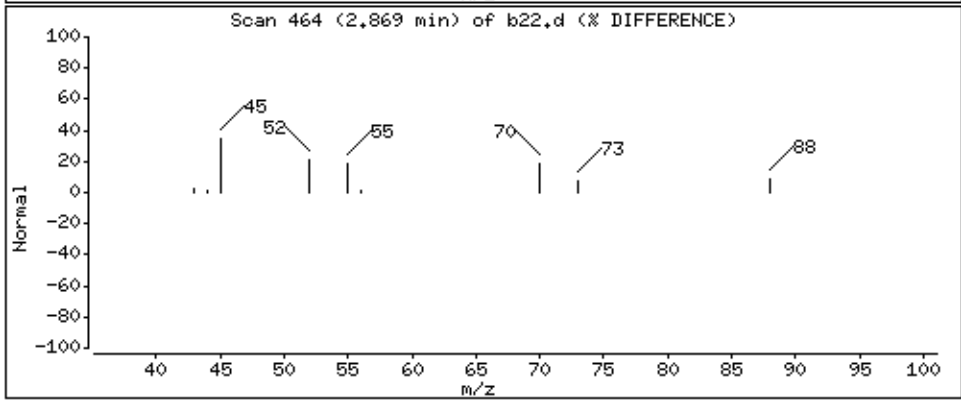
Concentration: 54.1 ppb

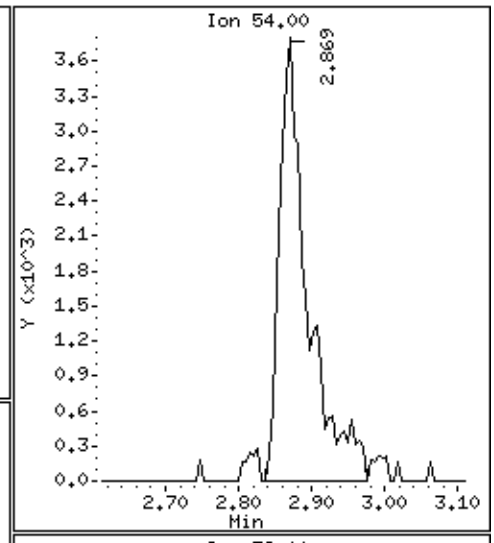
Review Code:

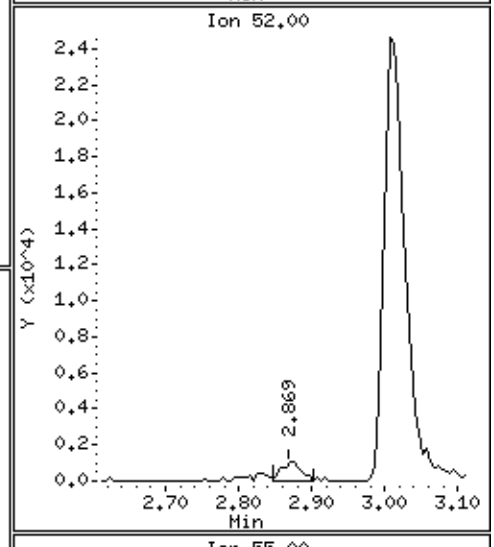


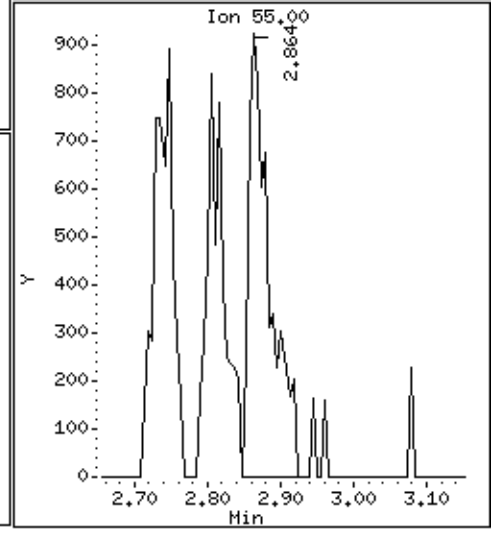












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

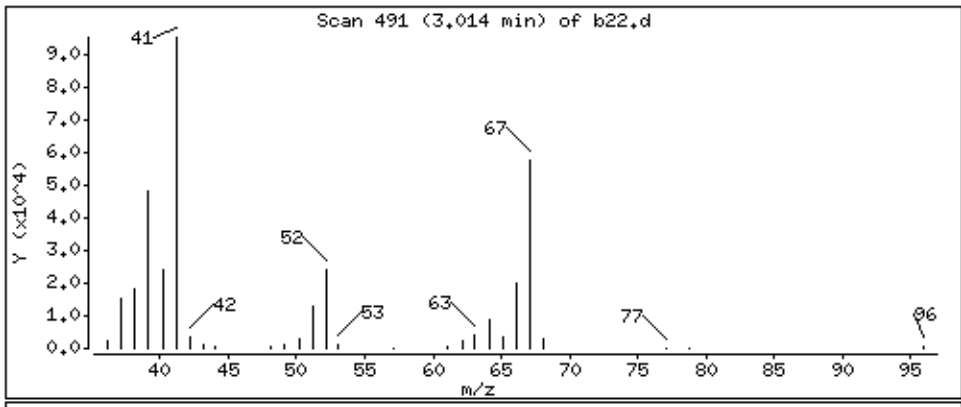
Column phase: DB-624

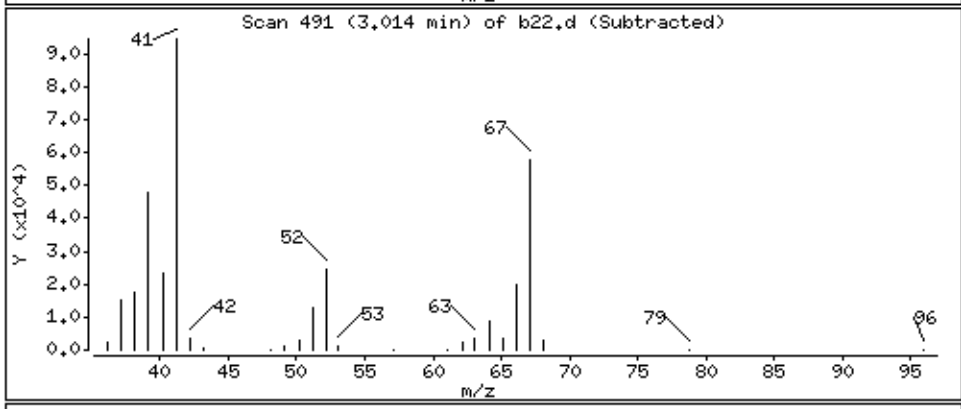
Column diameter: 0.18

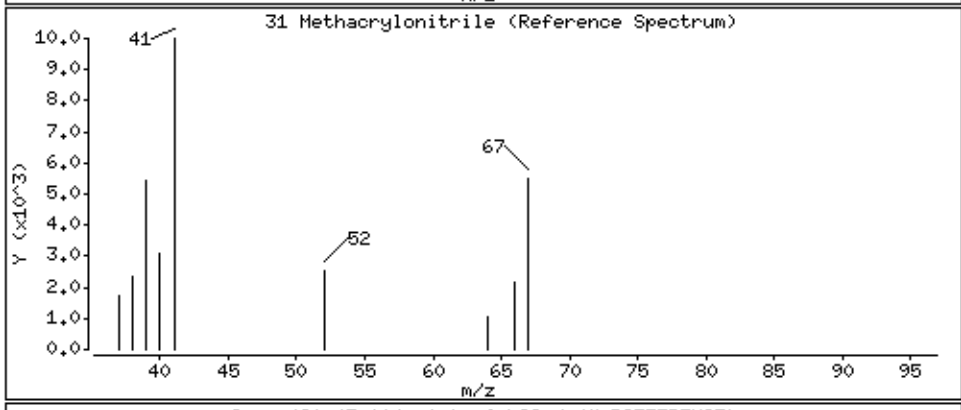
31 Methacrylonitrile

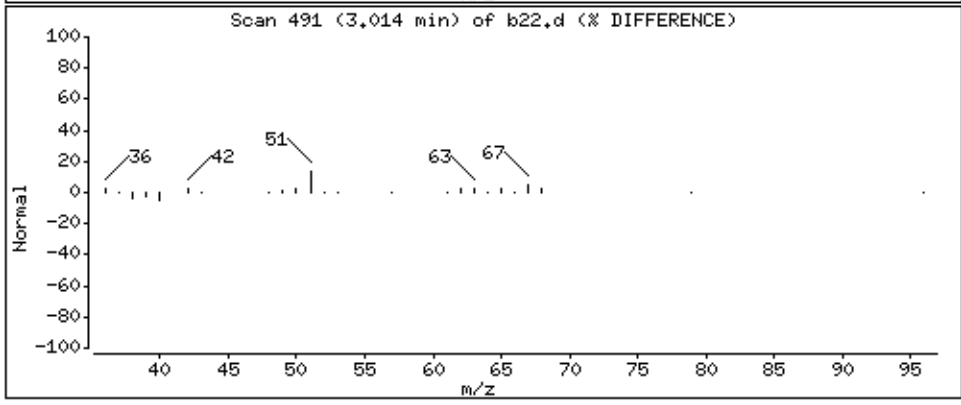
Concentration: 237 ppb

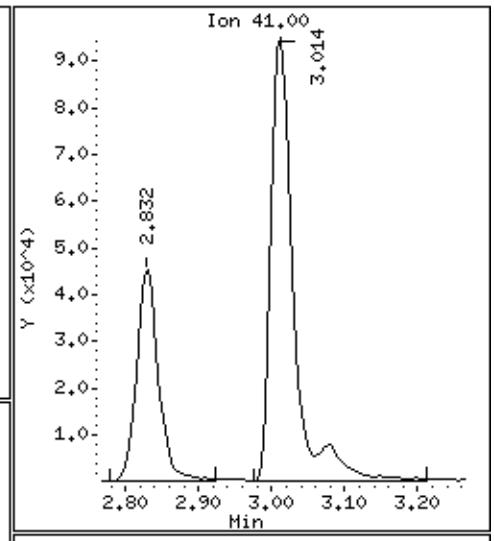
Review Code:

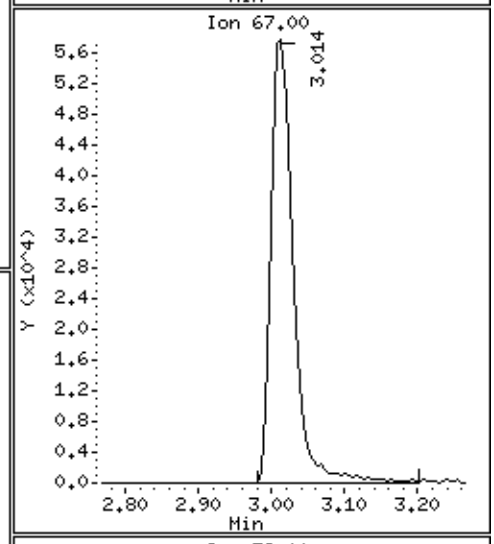


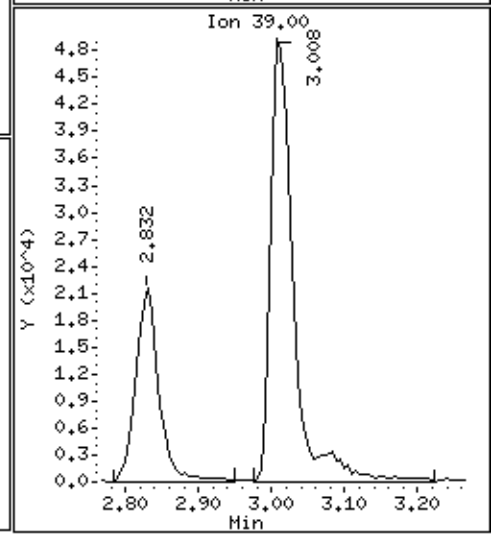












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

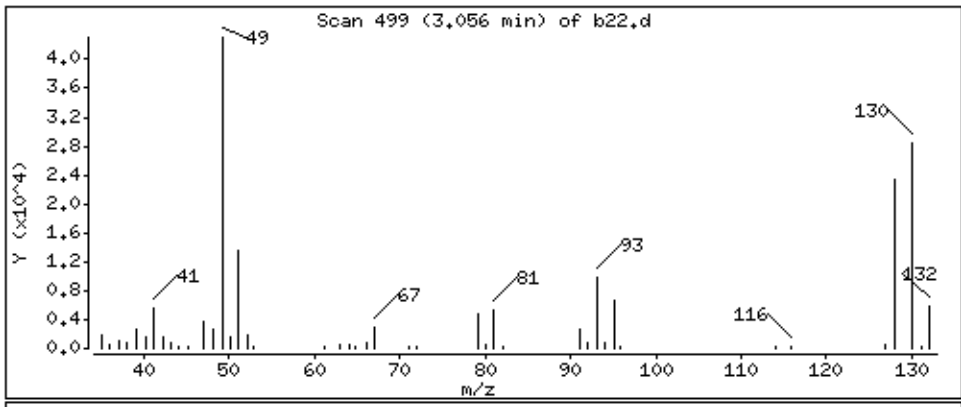
Column phase: DB-624

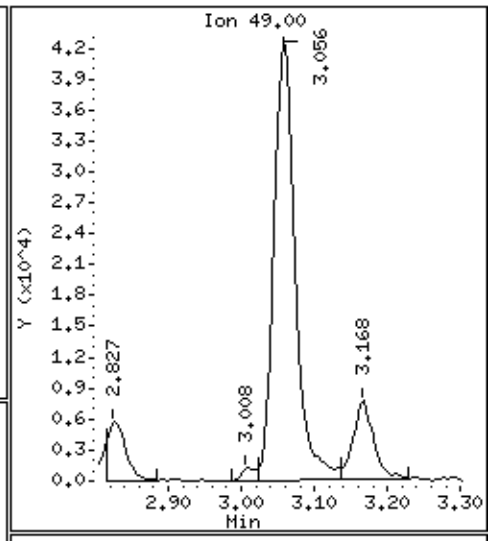
Column diameter: 0.18

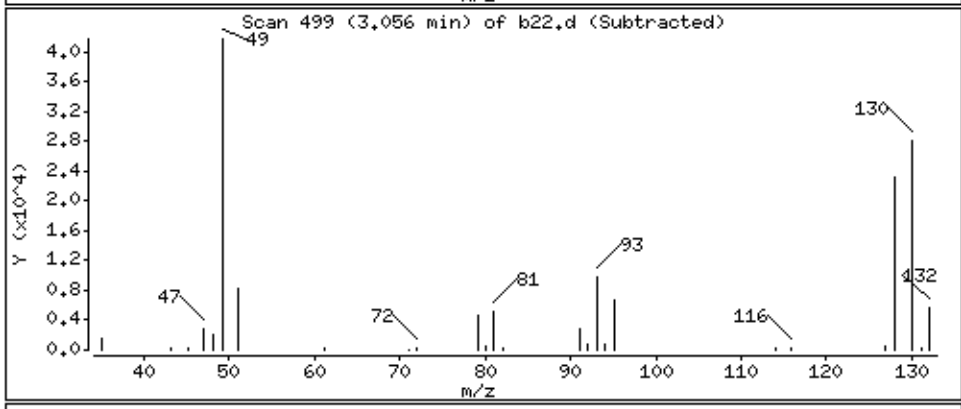
32 Bromochloromethane

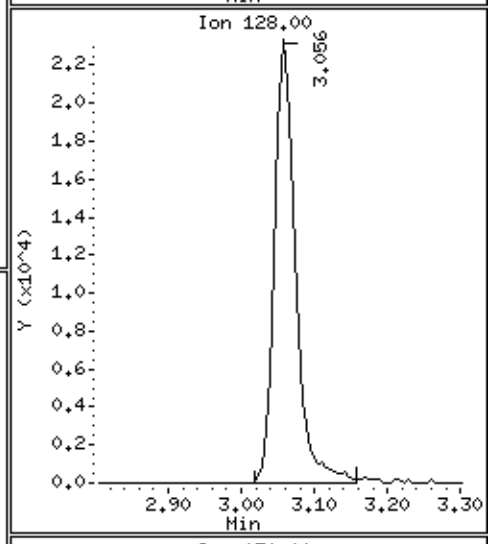
Concentration: 48.9 ppb

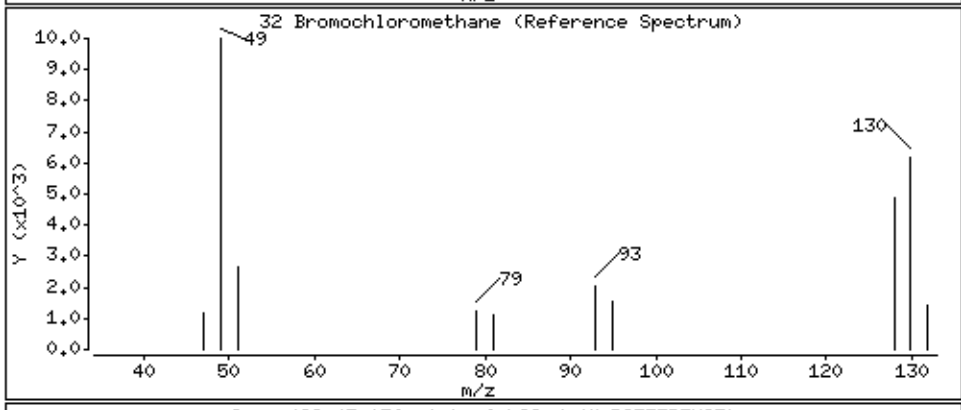
Review Code:

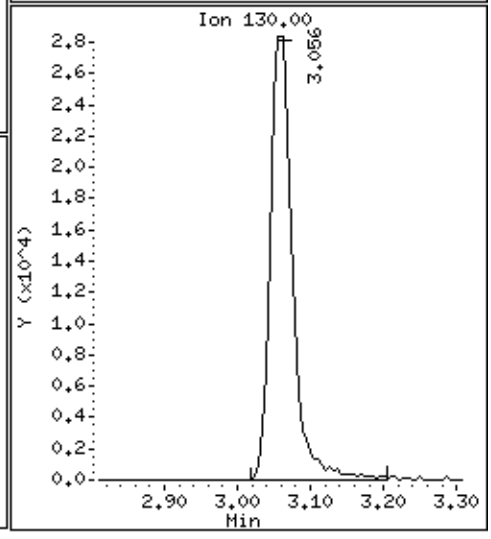


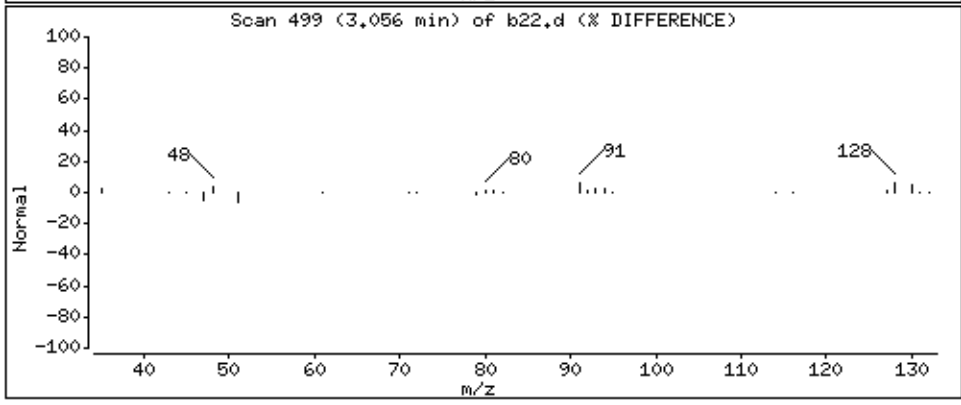












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

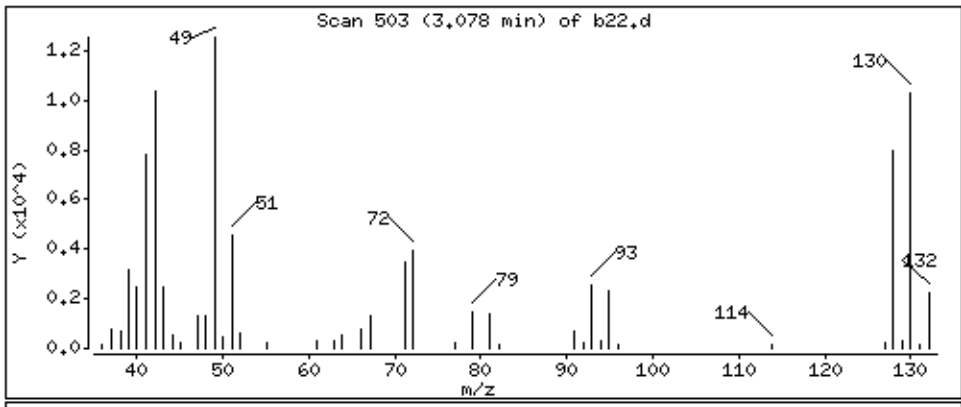
Column phase: DB-624

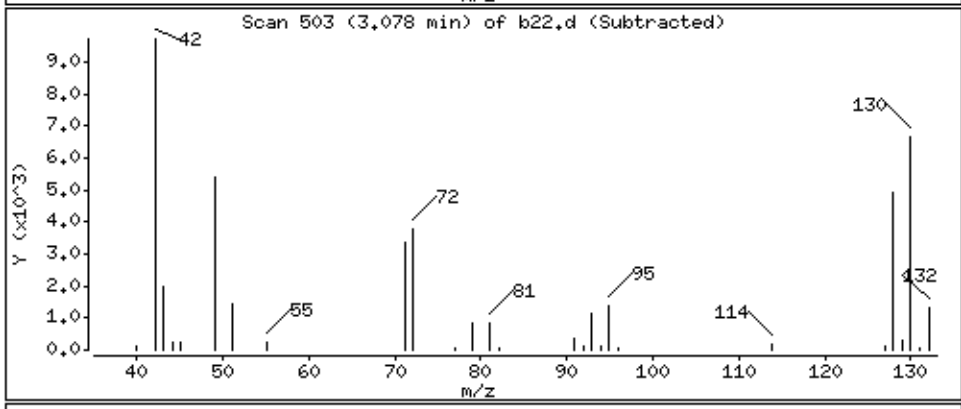
Column diameter: 0.18

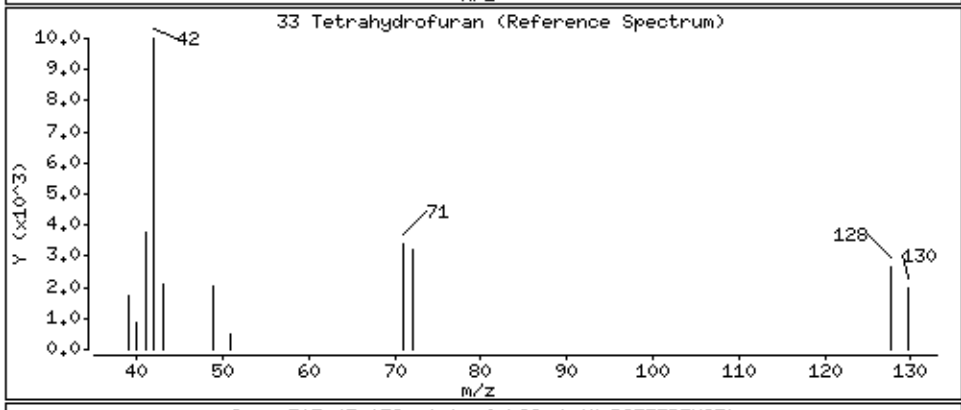
33 Tetrahydrofuran

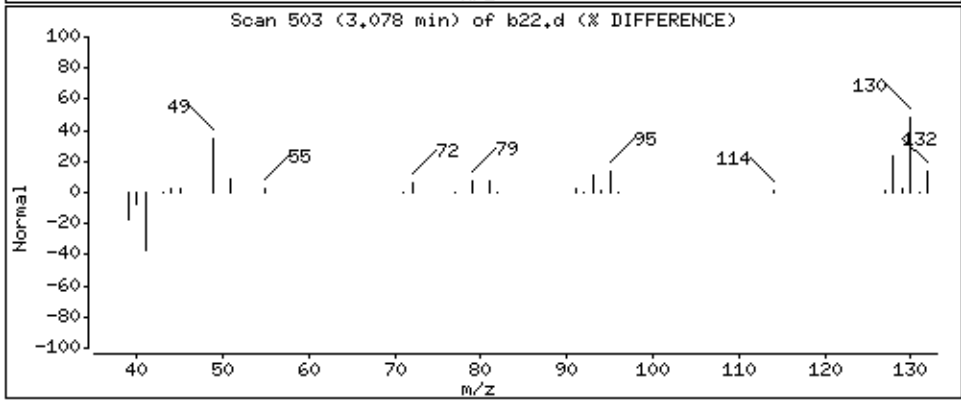
Concentration: 50.3 ppb

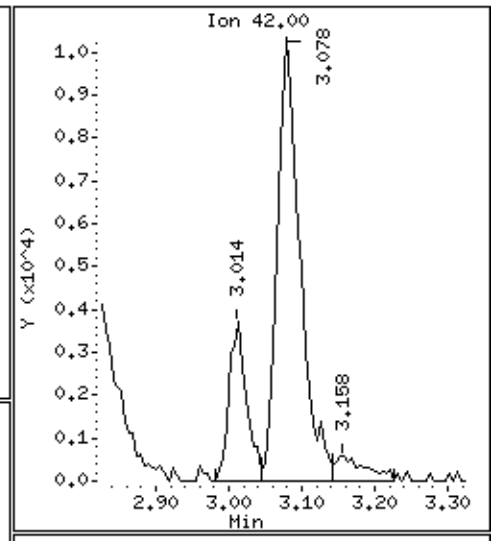
Review Code:

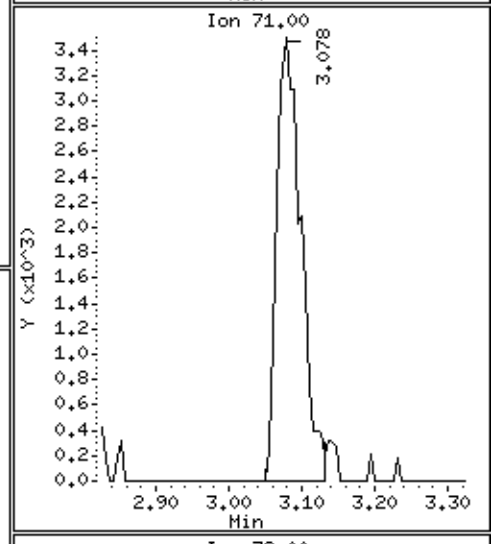


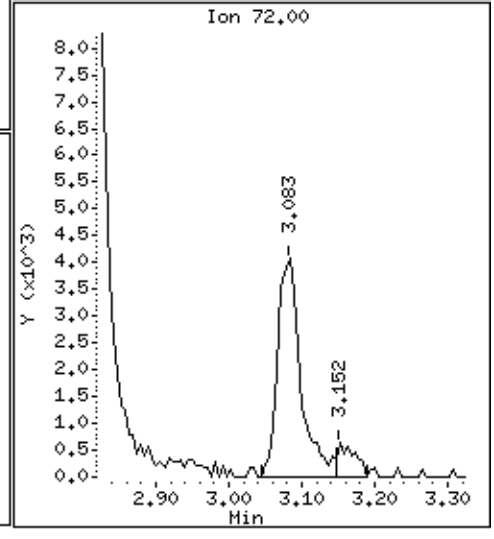












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

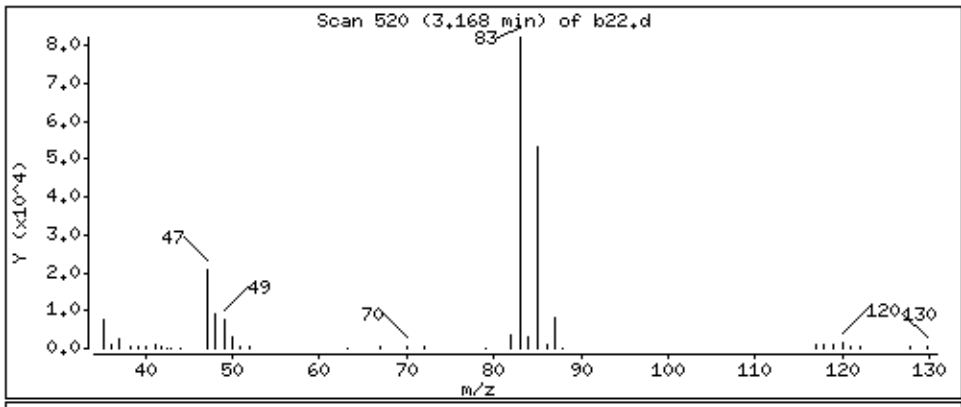
Column phase: DB-624

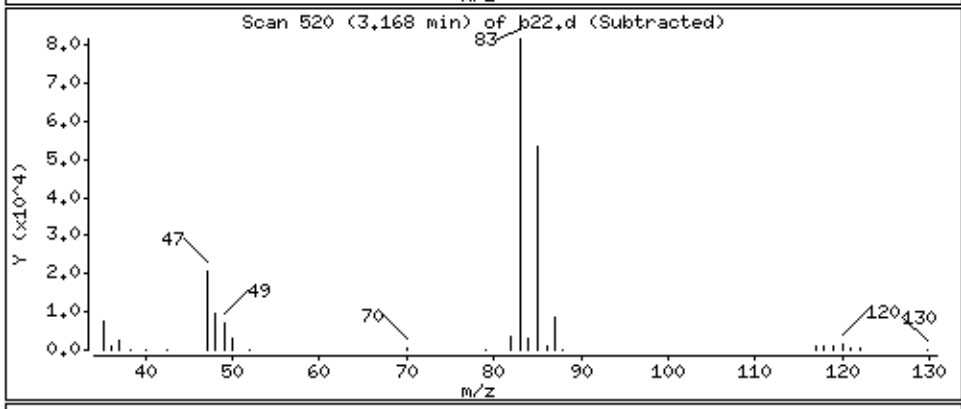
Column diameter: 0.18

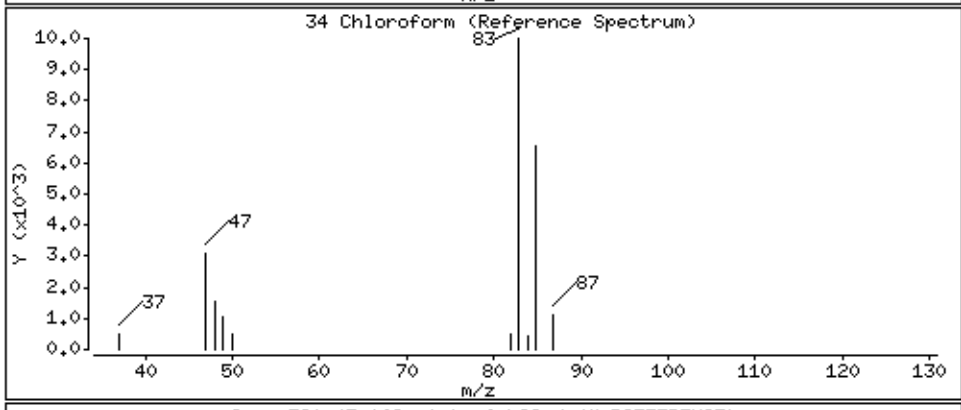
34 Chloroform

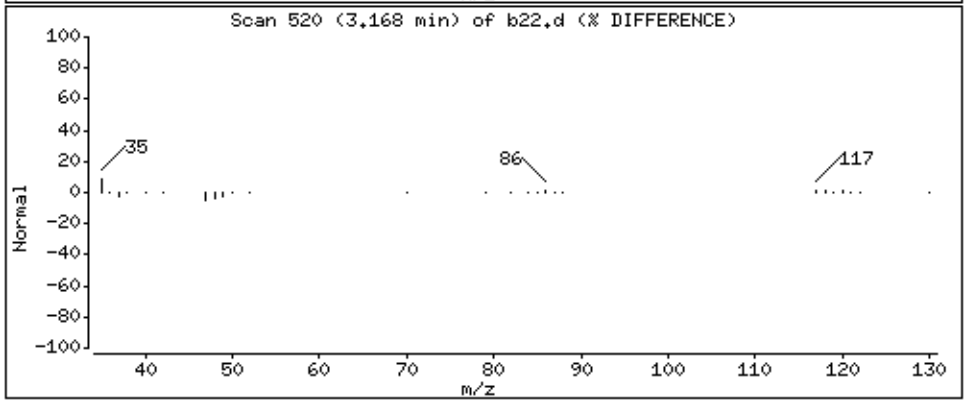
Concentration: 46.1 ppb

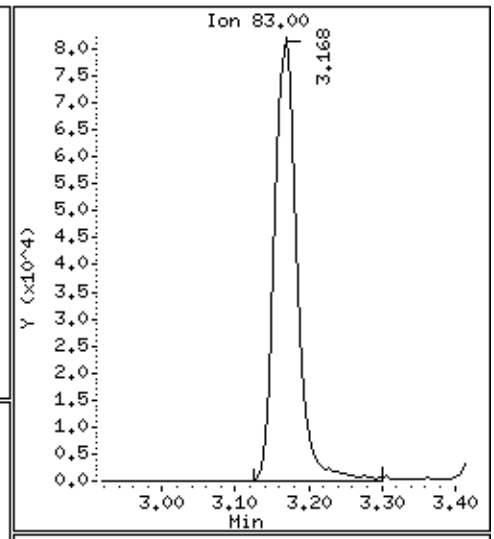
Review Code:

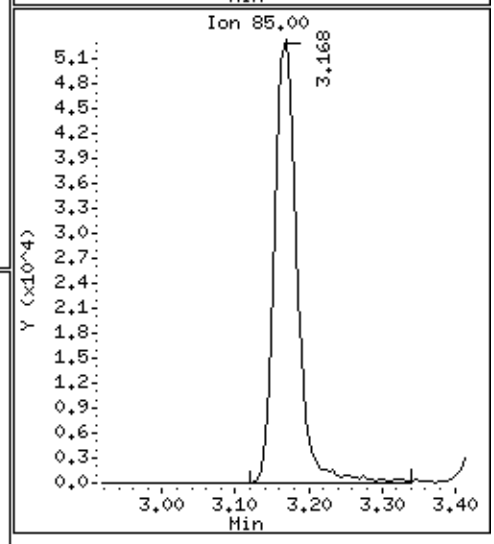












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

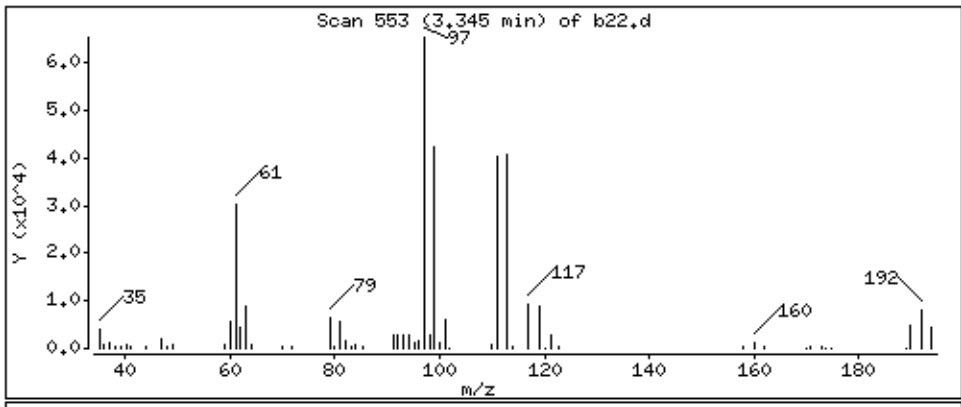
Column phase: DB-624

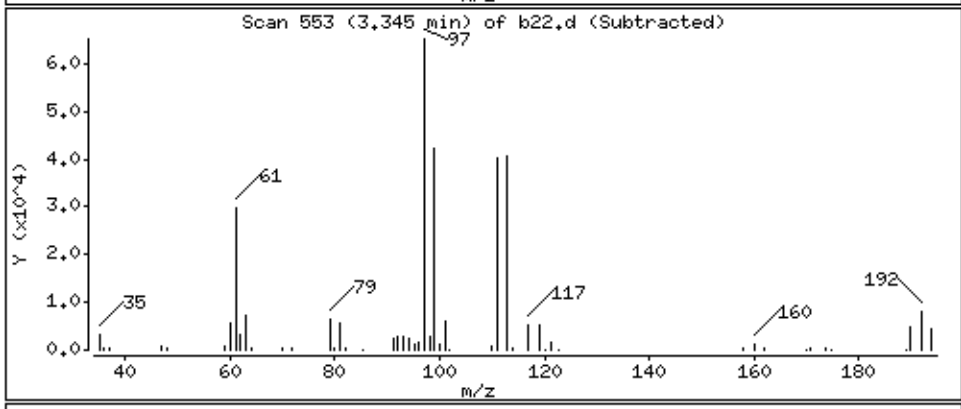
Column diameter: 0.18

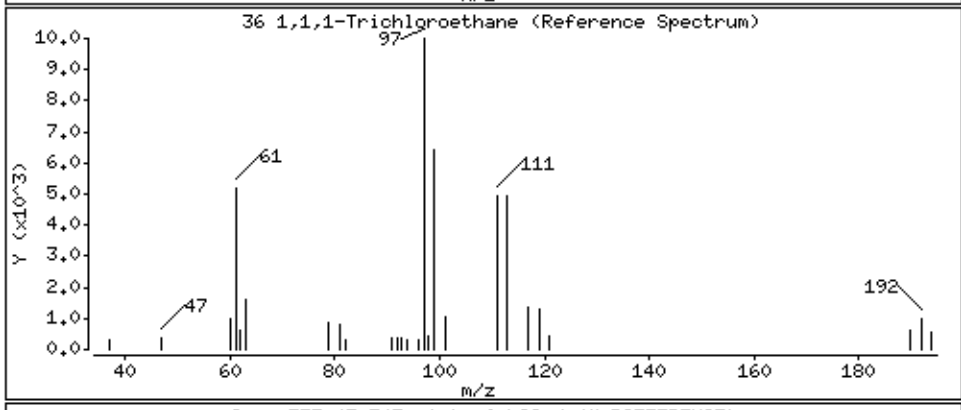
36 1,1,1-Trichloroethane

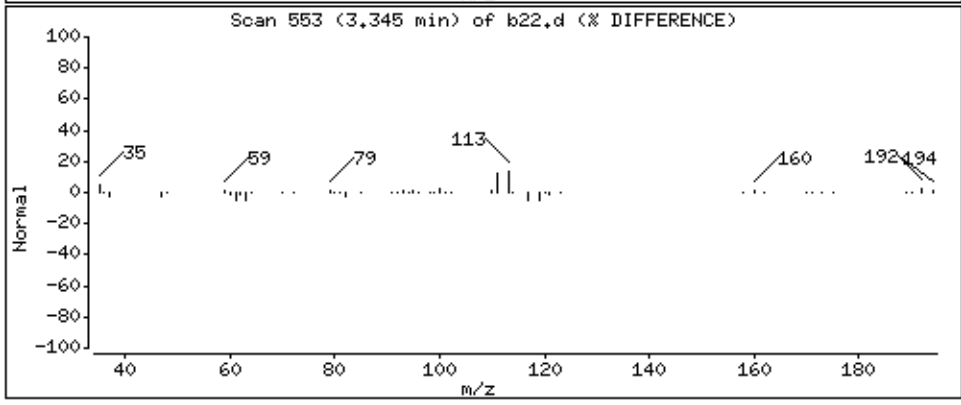
Concentration: 45.5 ppb

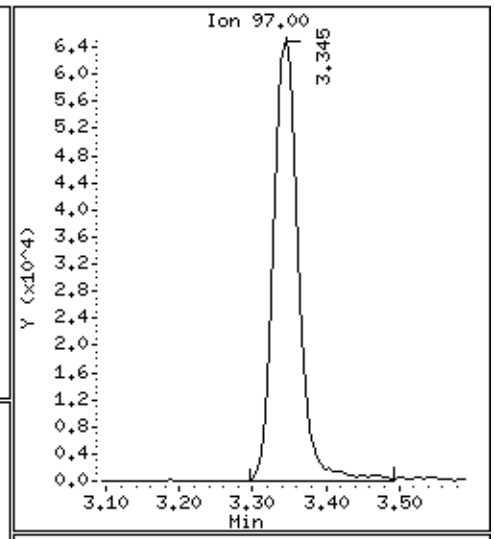
Review Code:

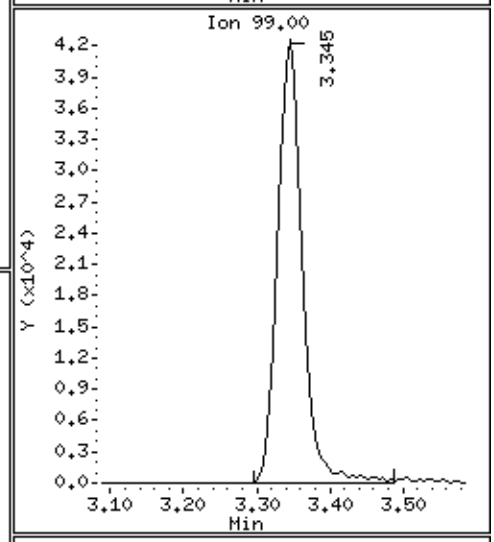


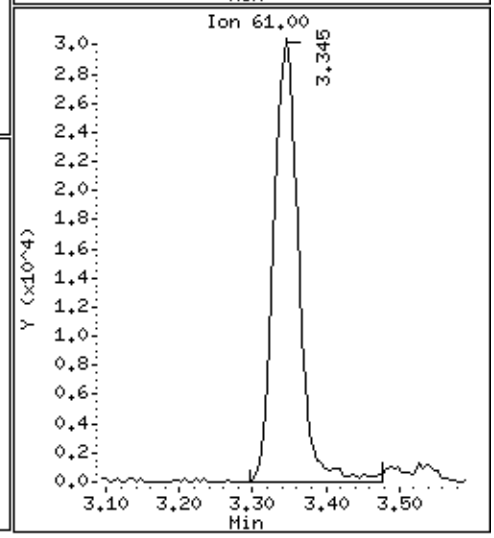












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

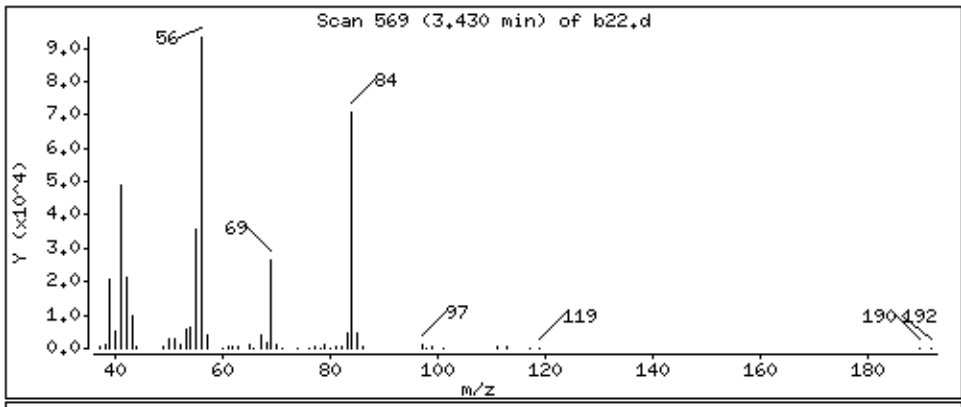
Column phase: DB-624

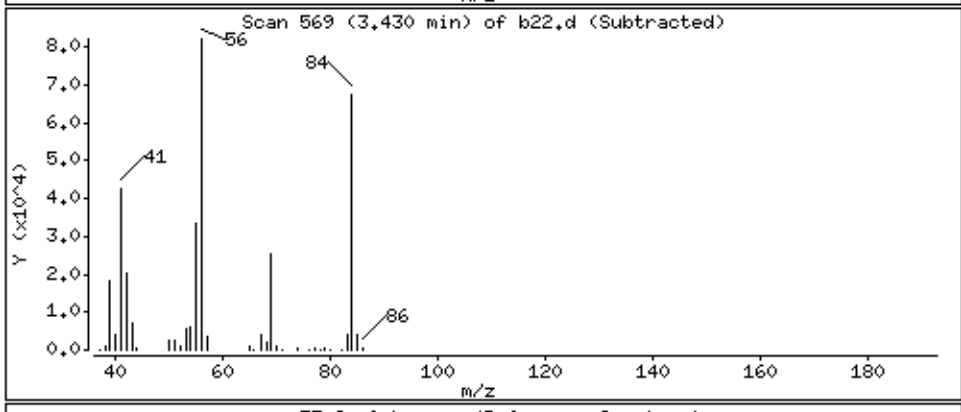
Column diameter: 0.18

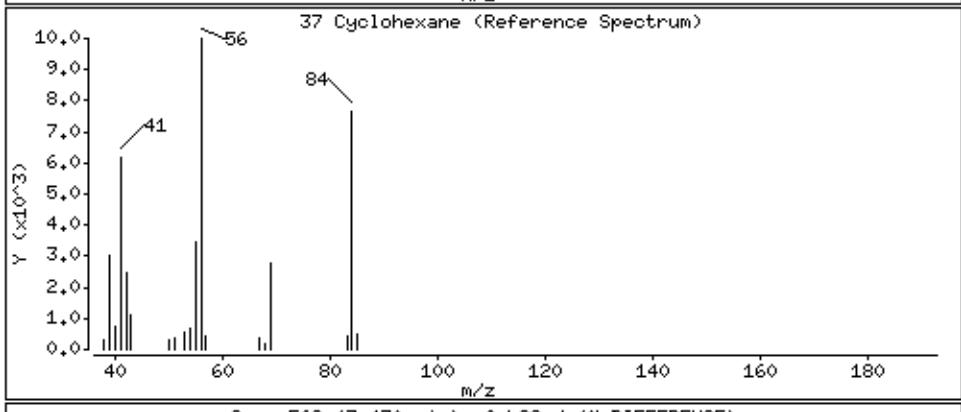
37 Cyclohexane

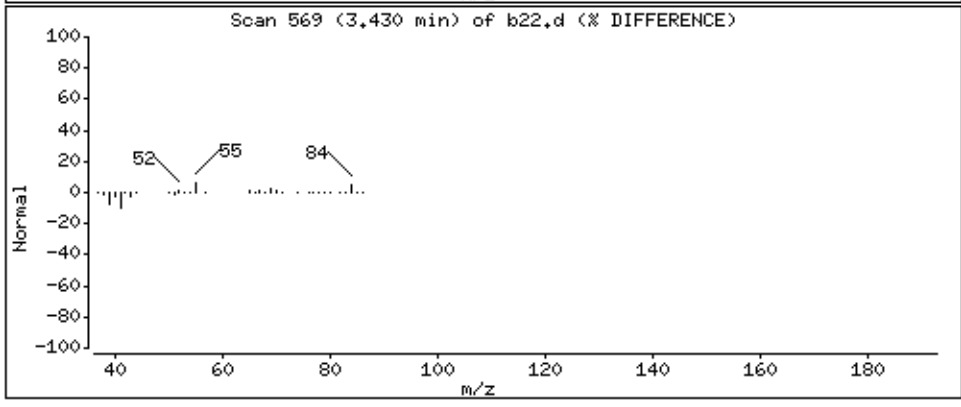
Concentration: 50.6 ppb

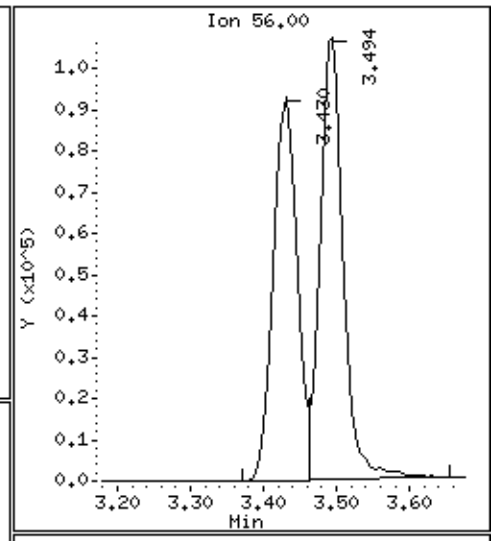
Review Code:

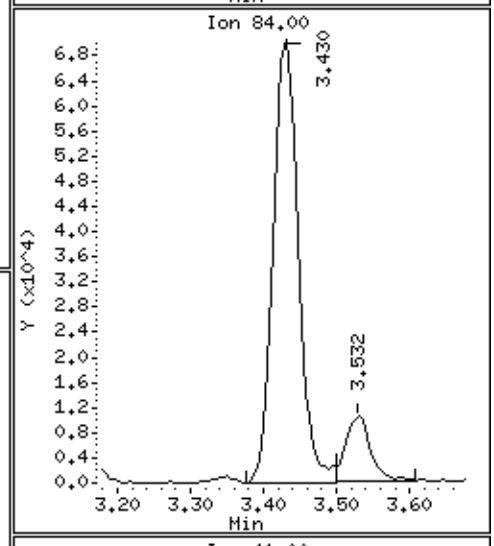


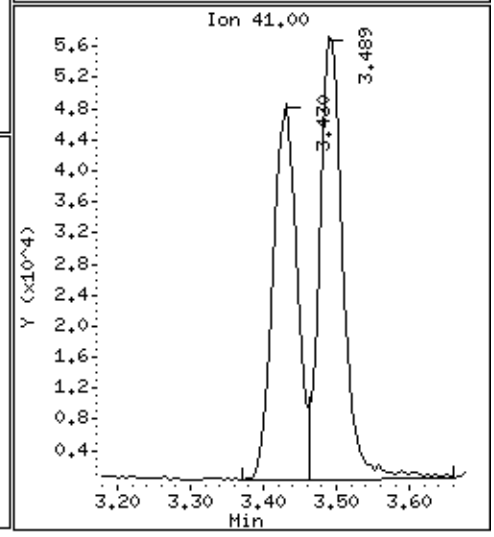












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

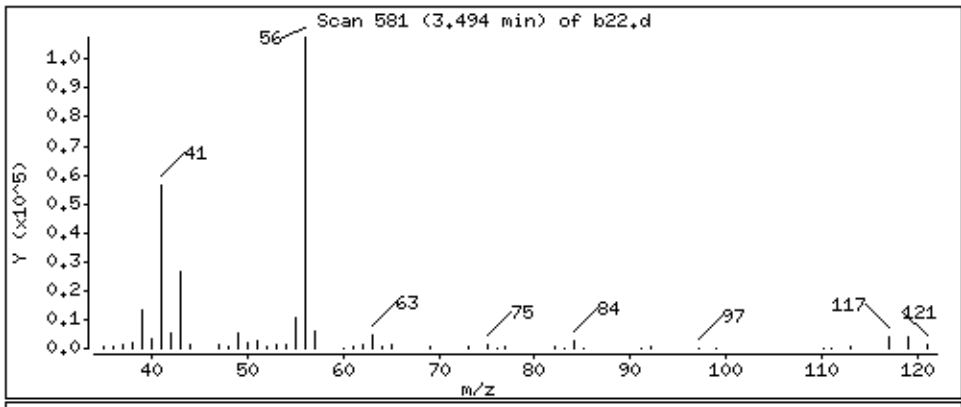
Column phase: DB-624

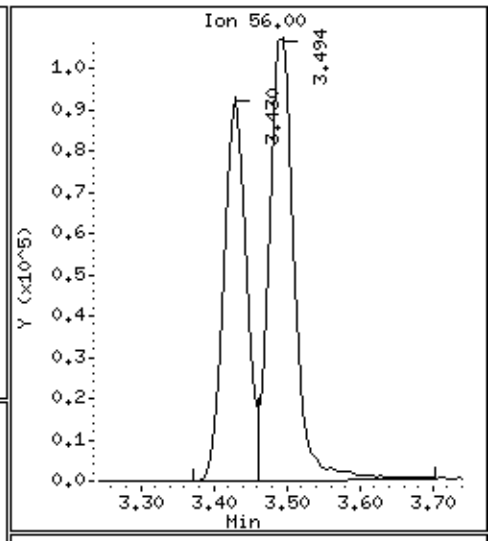
Column diameter: 0.18

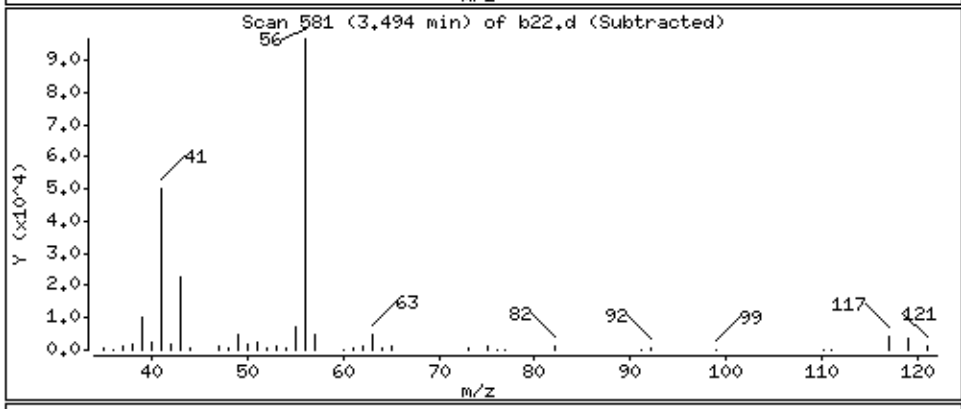
151 n-Butyl chloride

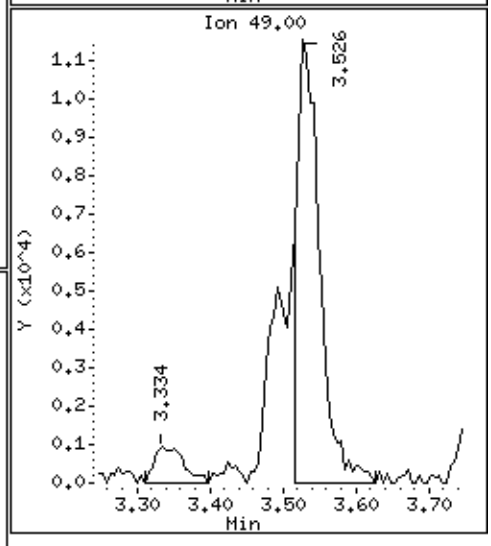
Concentration: 49.4 ppb

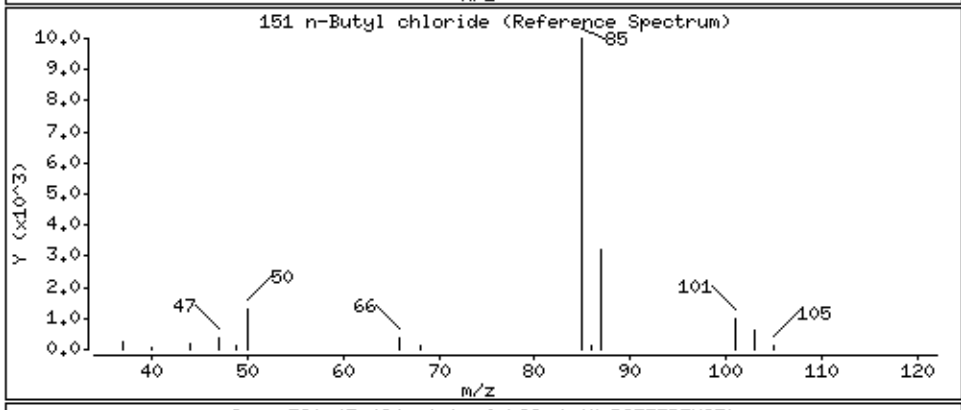
Review Code:

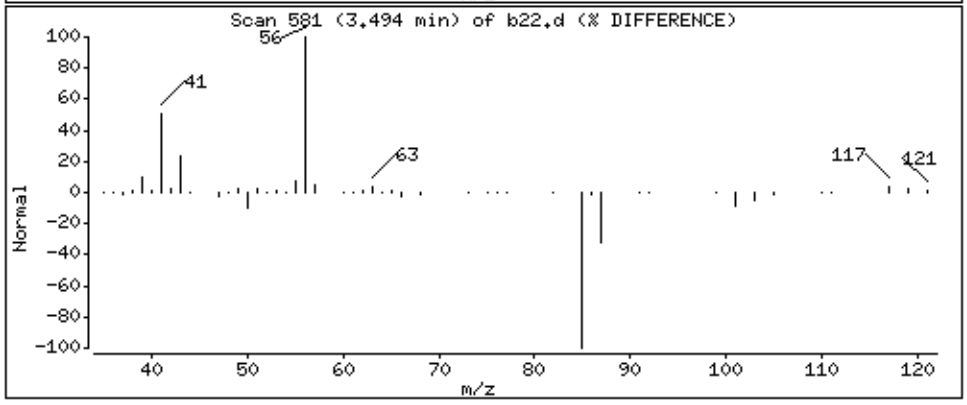












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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

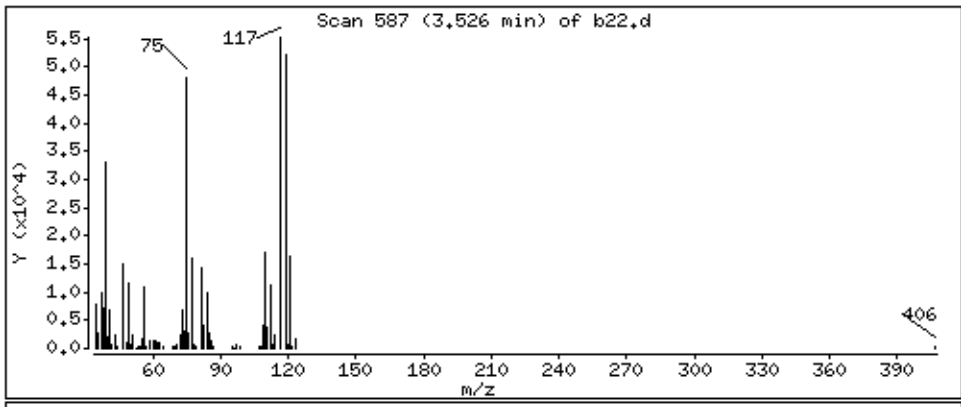
Column phase: DB-624

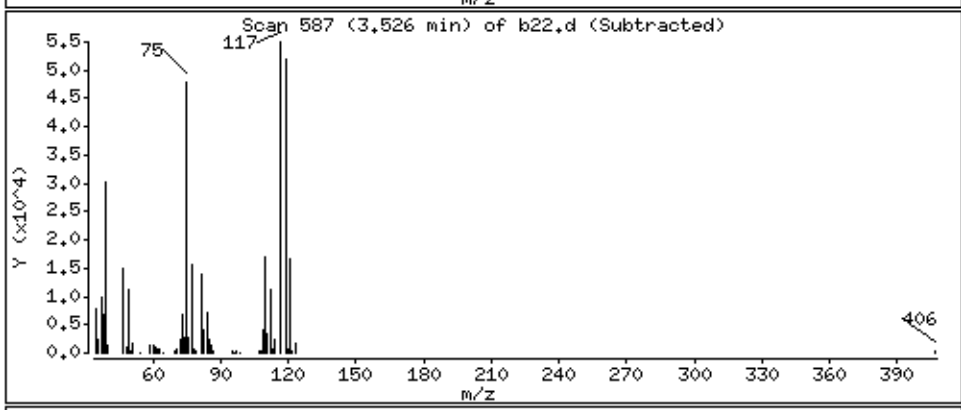
Column diameter: 0.18

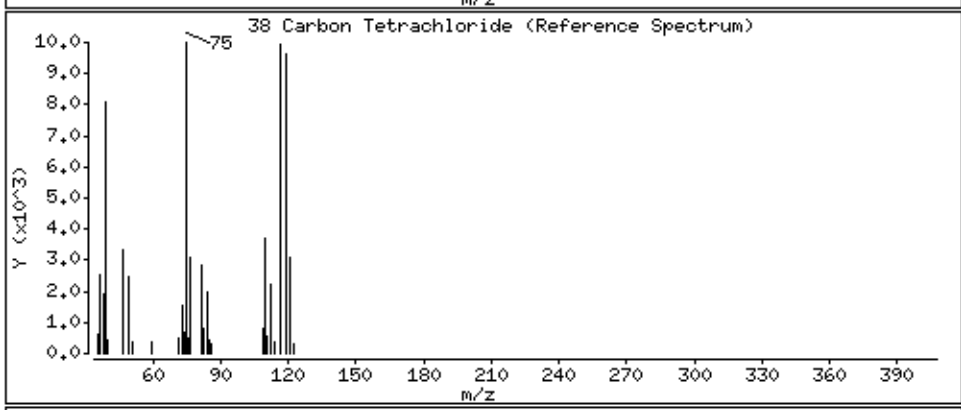
38 Carbon Tetrachloride

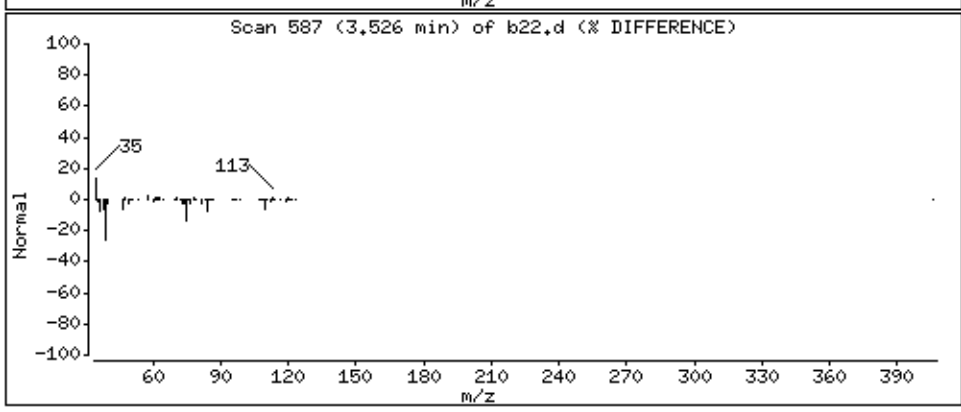
Concentration: 44.8 ppb

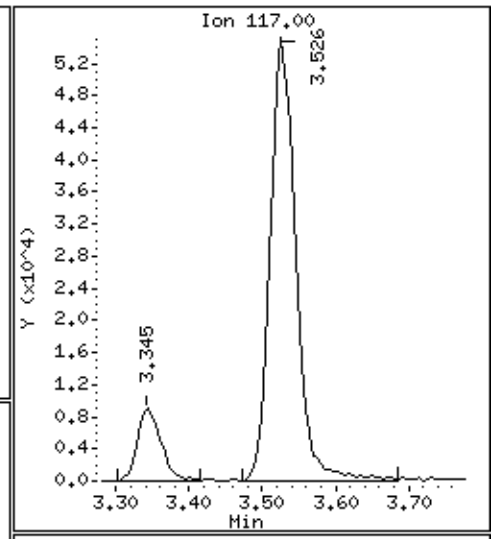
Review Code:

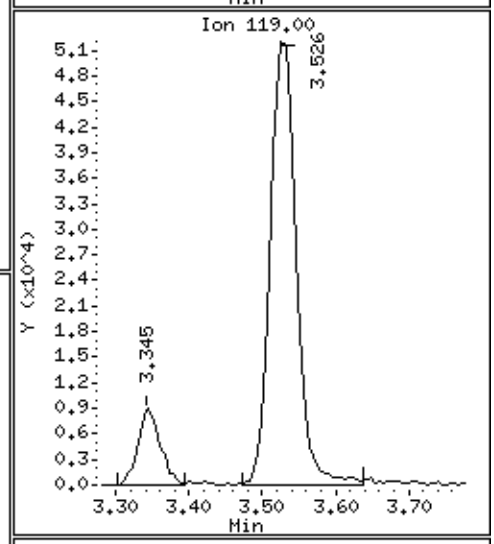


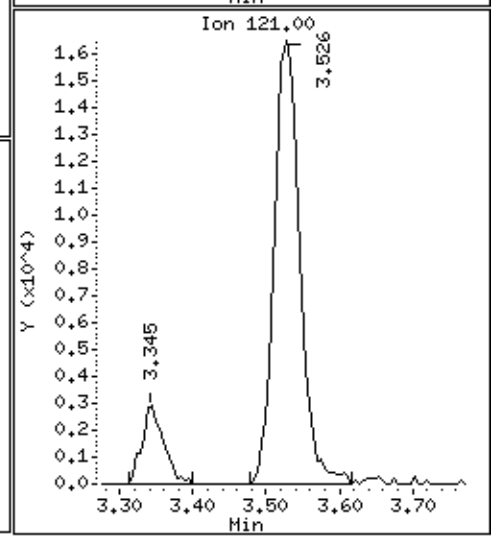












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

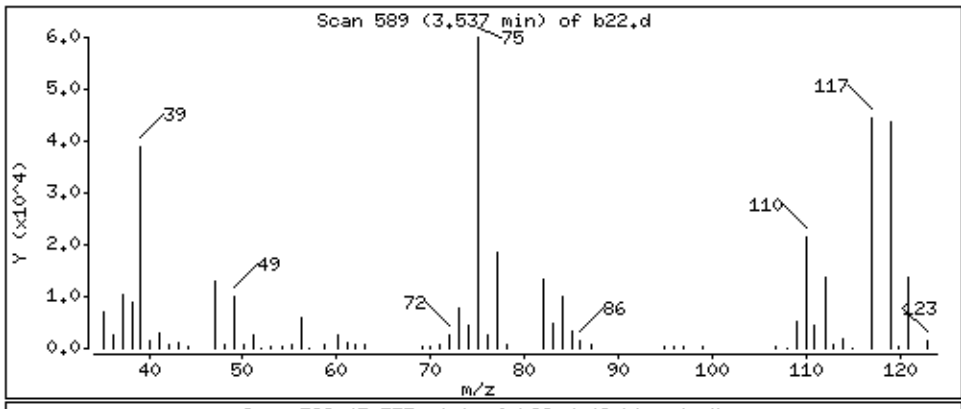
Column phase: DB-624

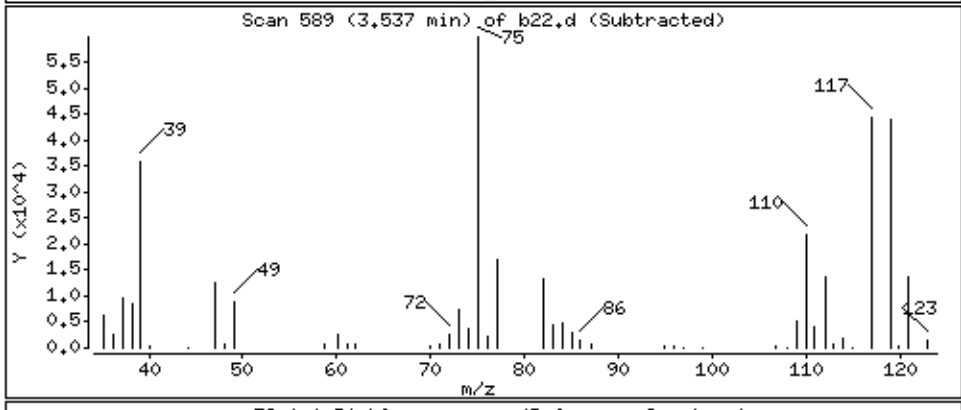
Column diameter: 0.18

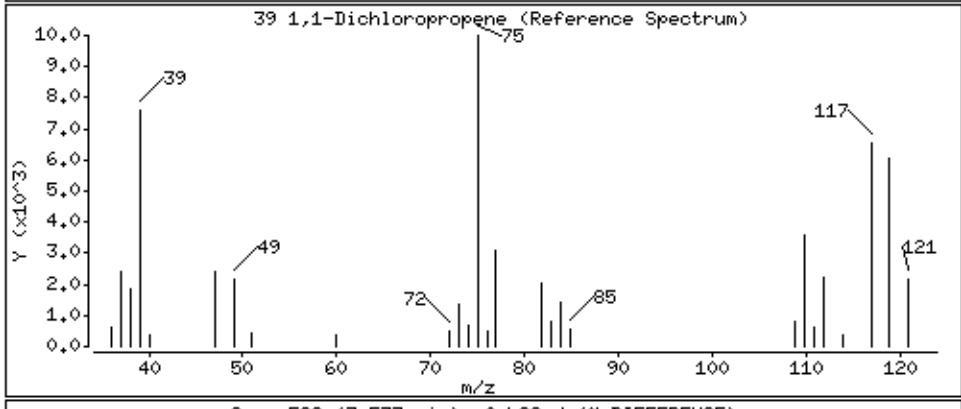
39 1,1-Dichloropropene

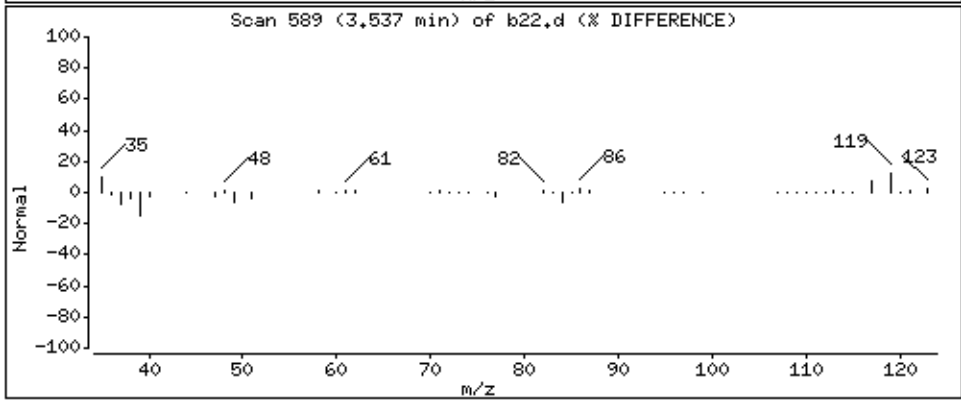
Concentration: 45.5 ppb

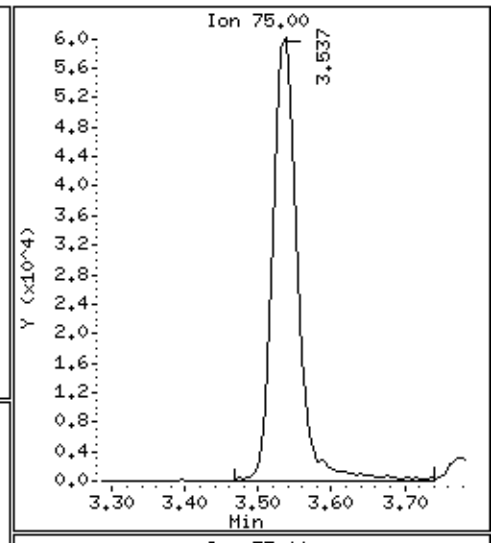
Review Code:

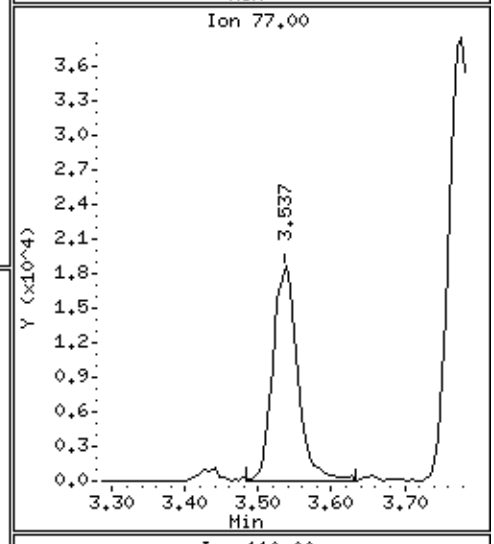


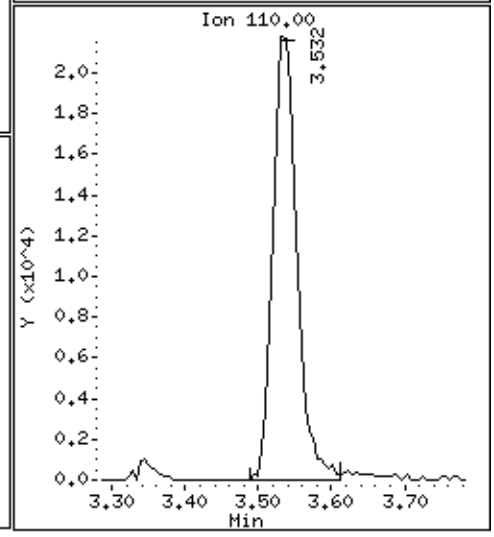












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

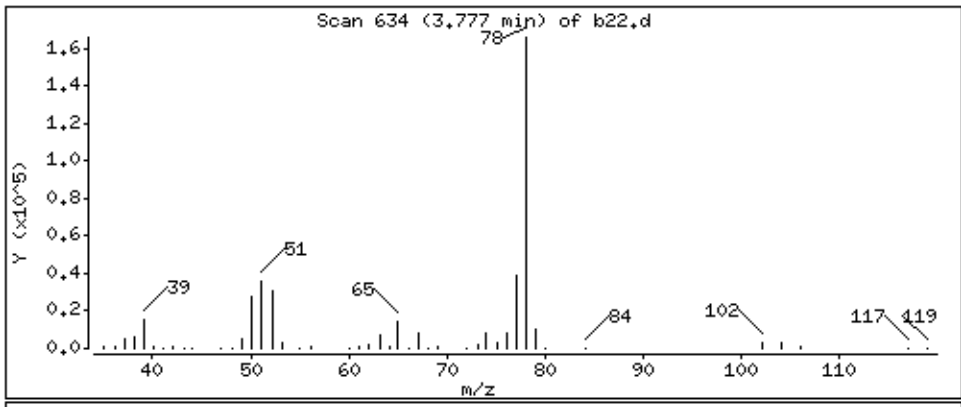
Column phase: DB-624

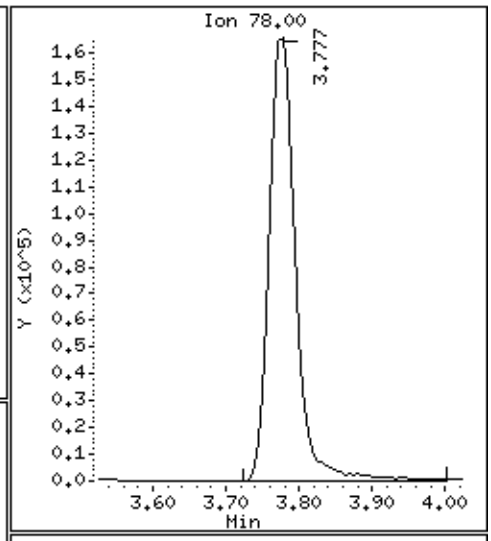
Column diameter: 0.18

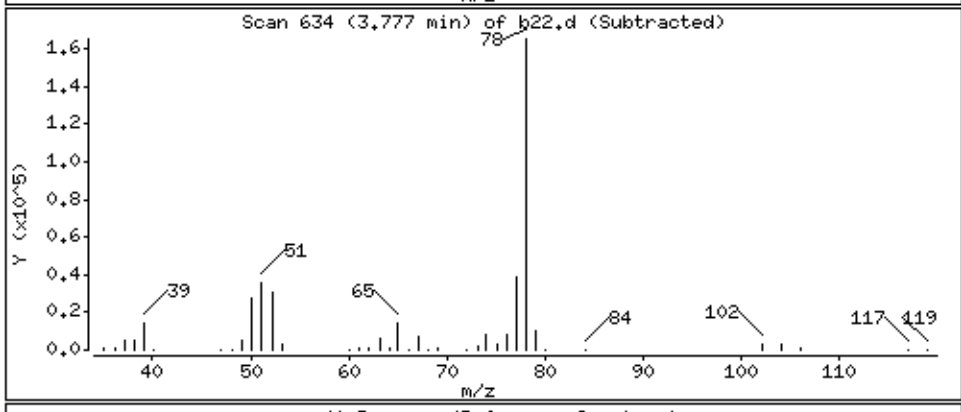
40 Benzene

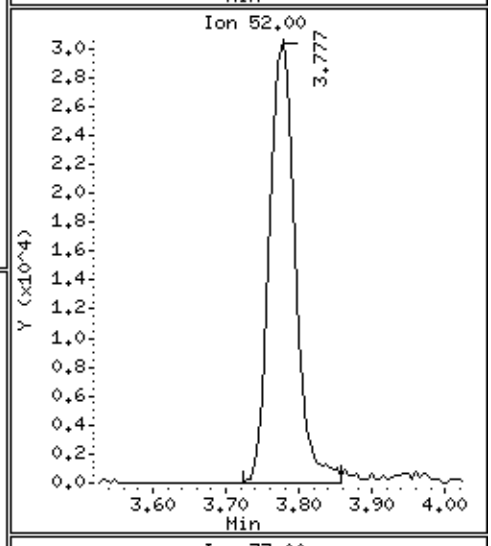
Concentration: 48.1 ppb

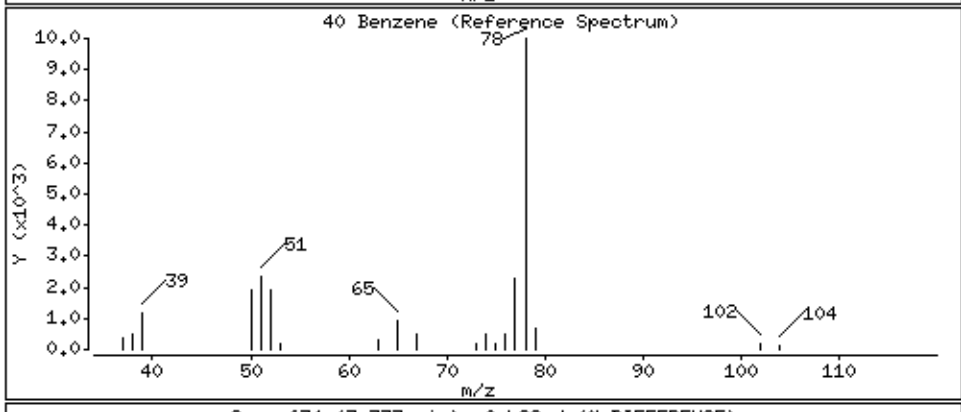
Review Code:

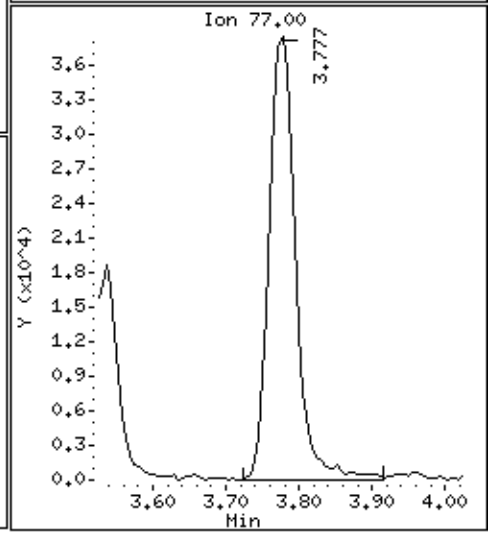


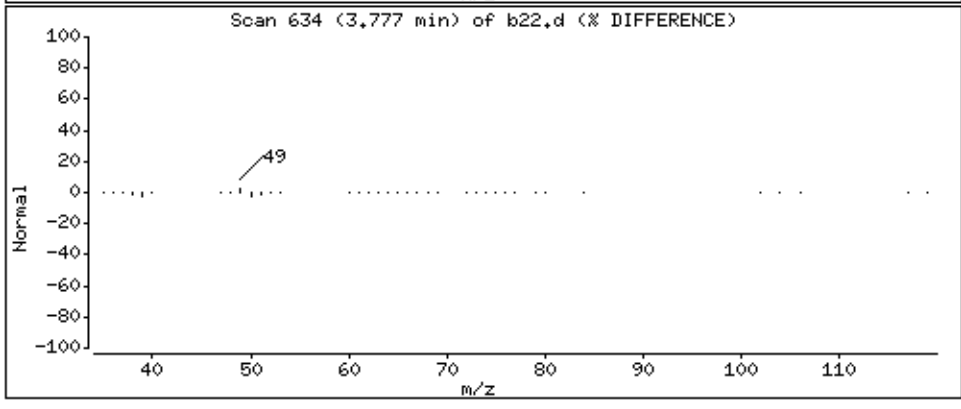












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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

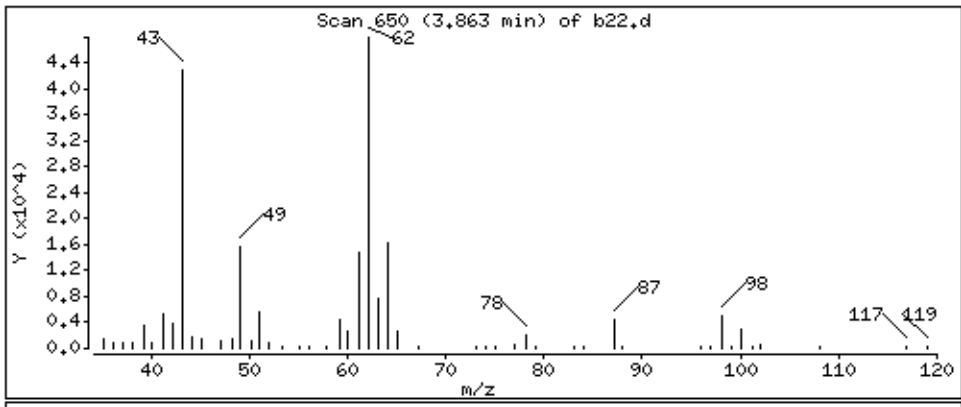
Column phase: DB-624

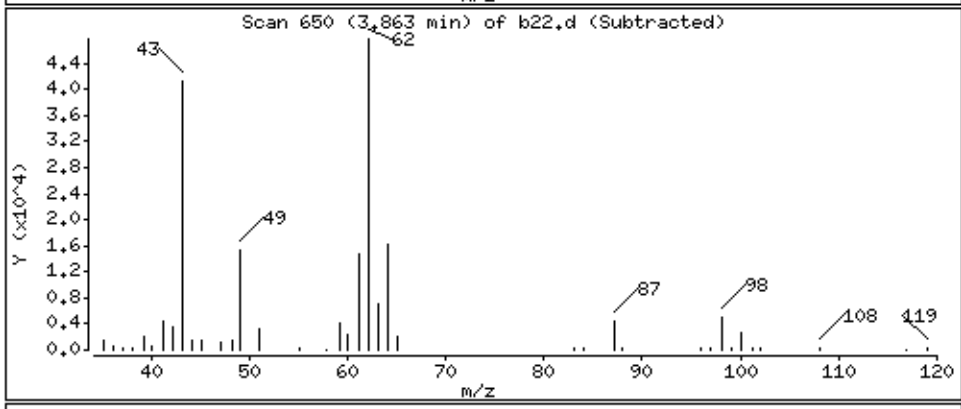
Column diameter: 0.18

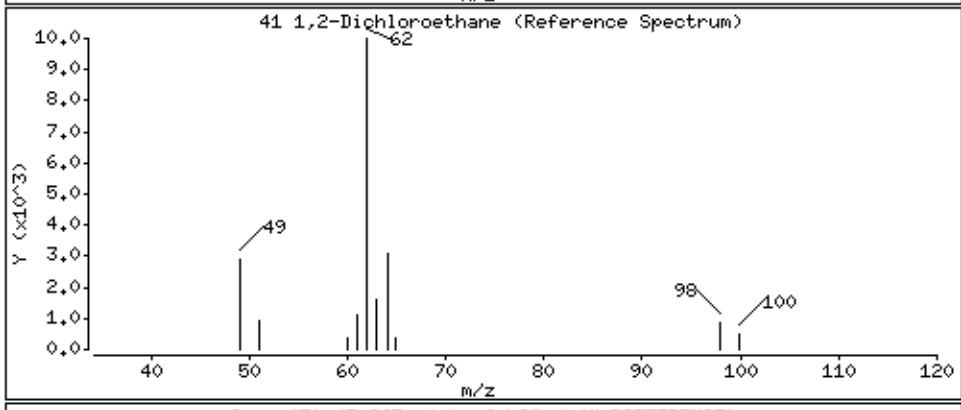
41 1,2-Dichloroethane

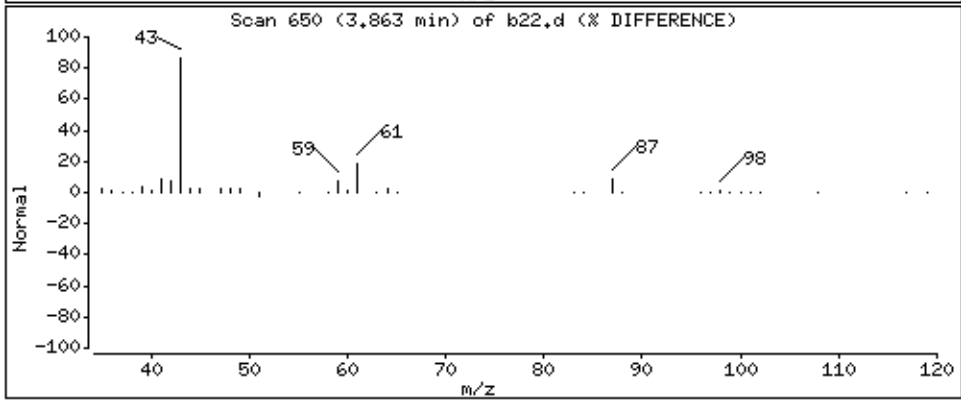
Concentration: 45.2 ppb

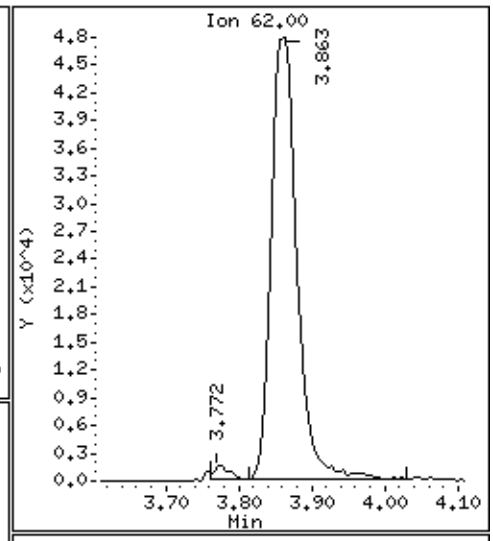
Review Code:

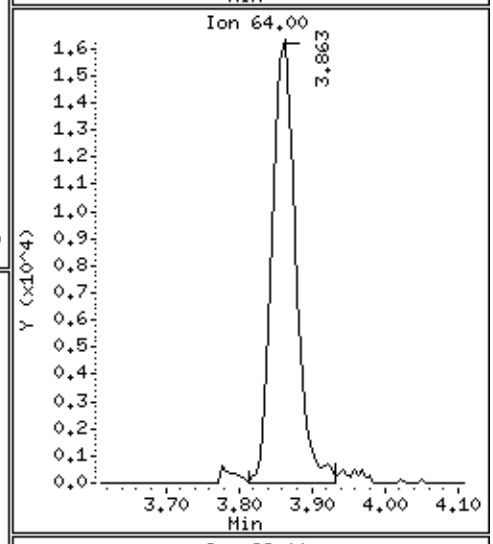


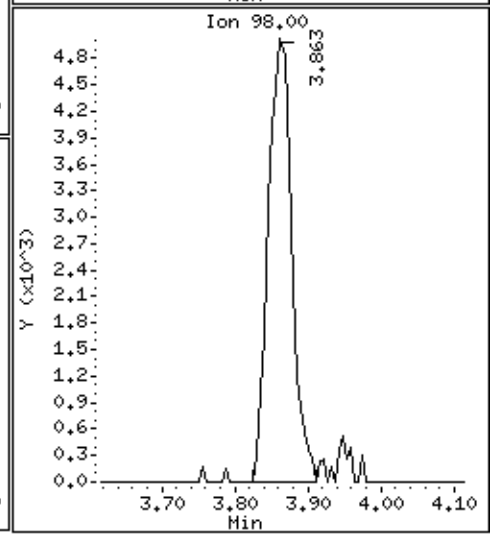












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

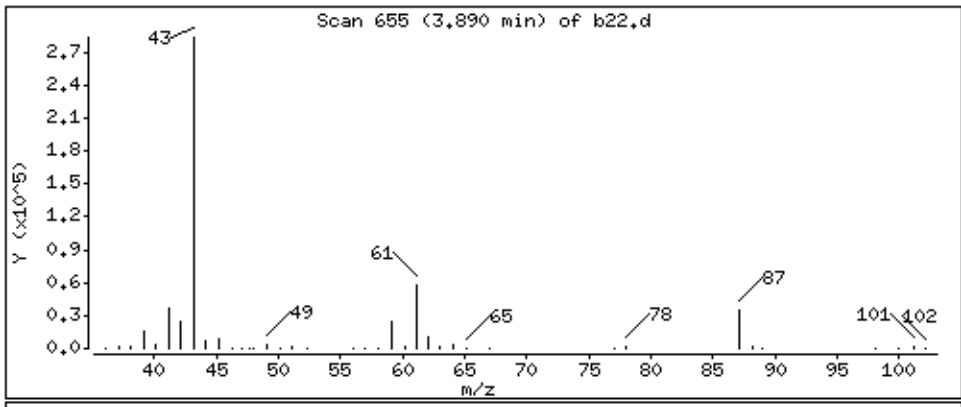
Column phase: DB-624

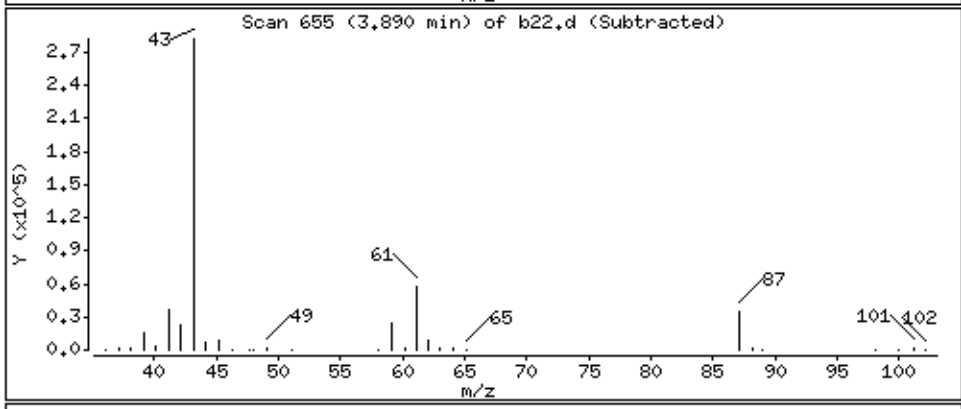
Column diameter: 0.18

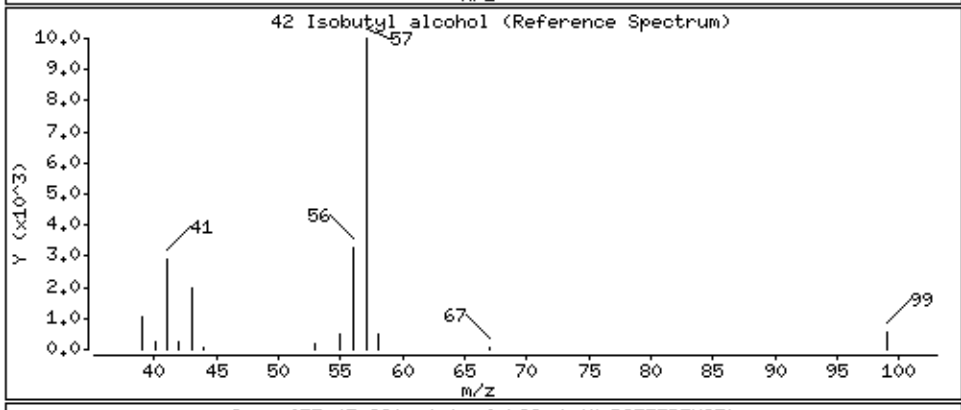
42 Isobutyl alcohol

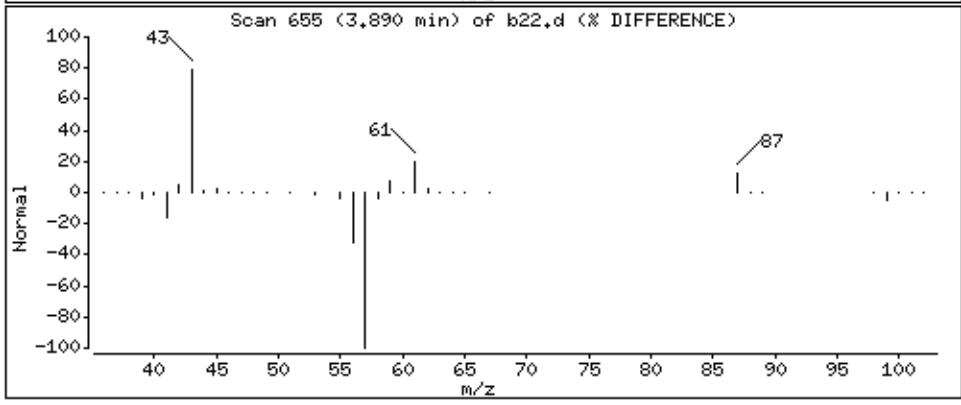
Concentration: 59.4 ppb

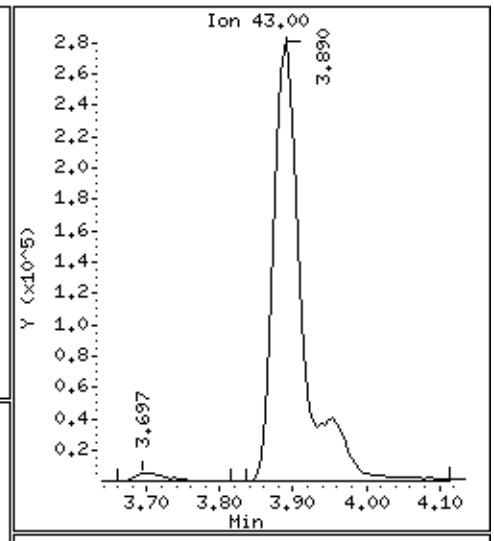
Review Code:

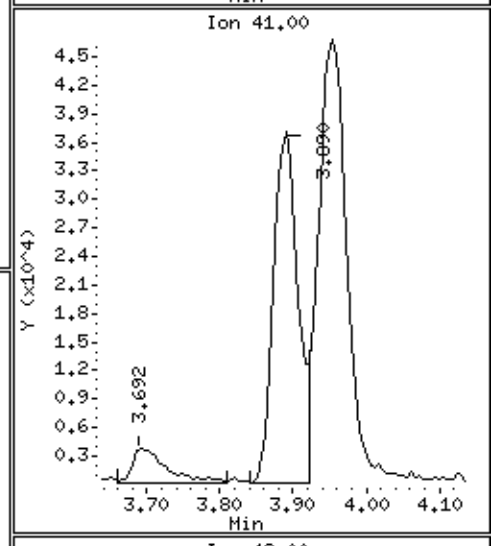


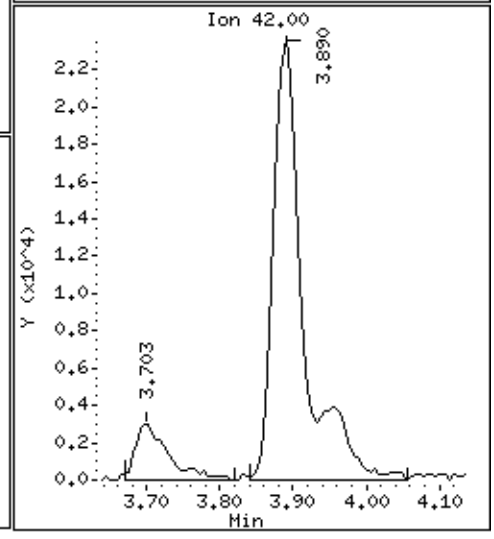












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

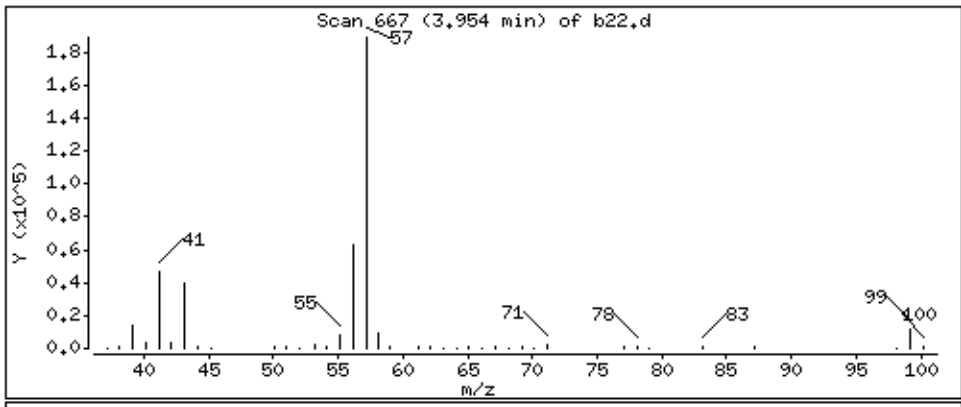
Column phase: DB-624

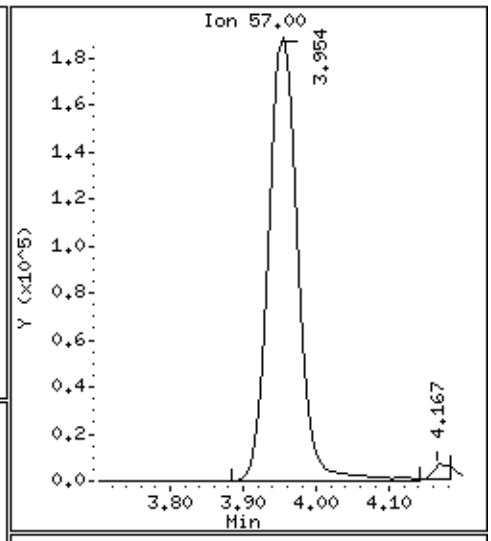
Column diameter: 0.18

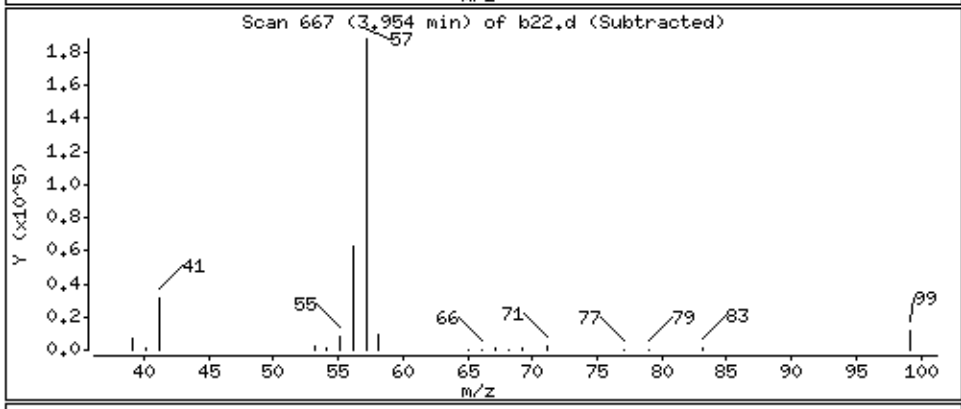
43 2,2,4-Trimethylpentane

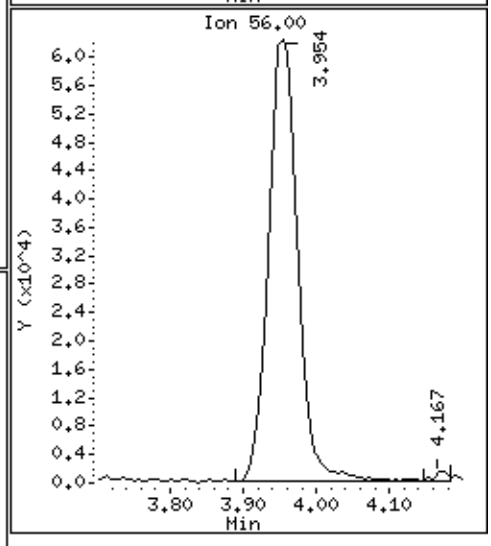
Concentration: 51.0 ppb

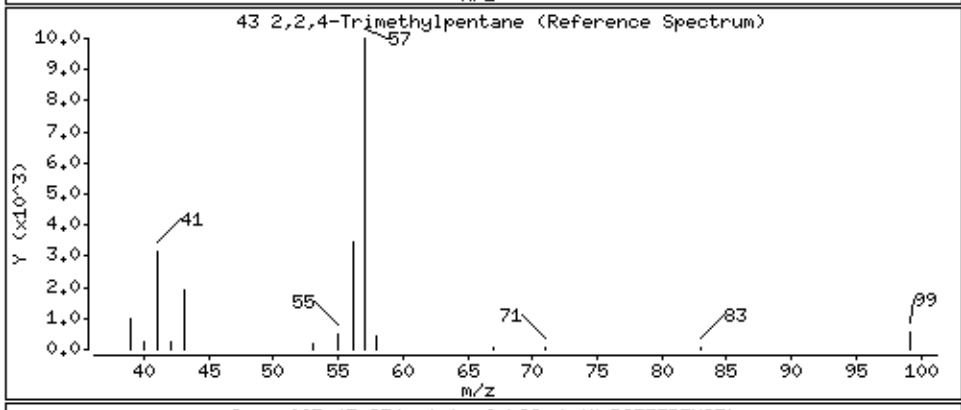
Review Code:

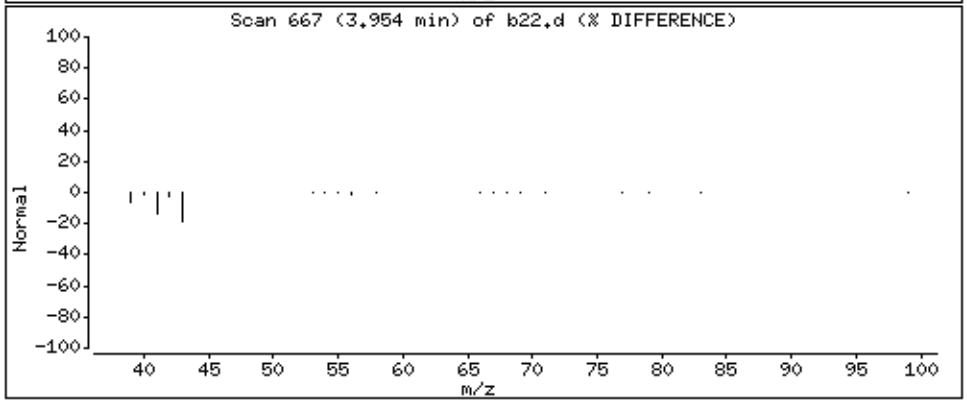












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

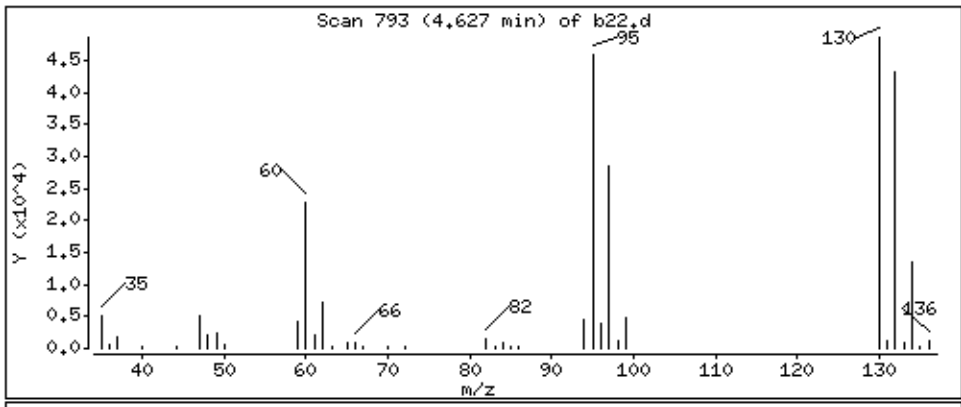
Column phase: DB-624

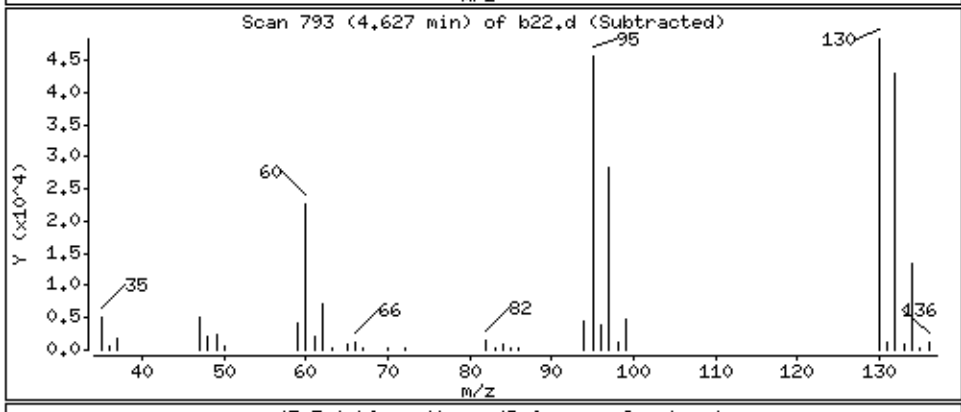
Column diameter: 0.18

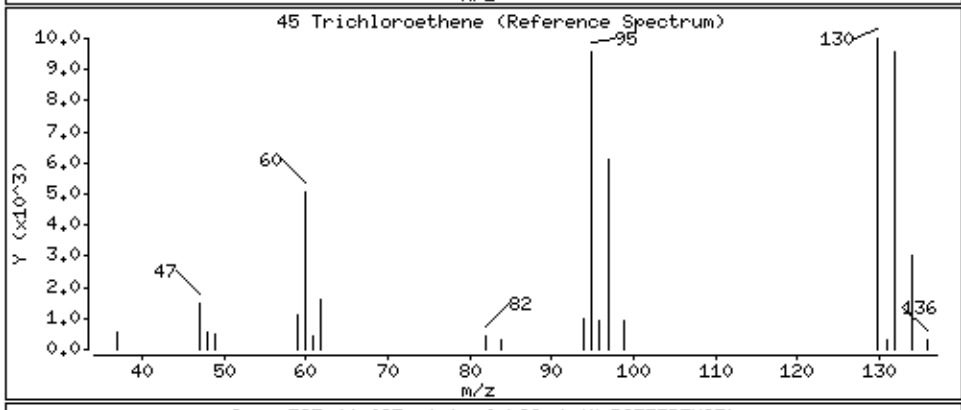
45 Trichloroethene

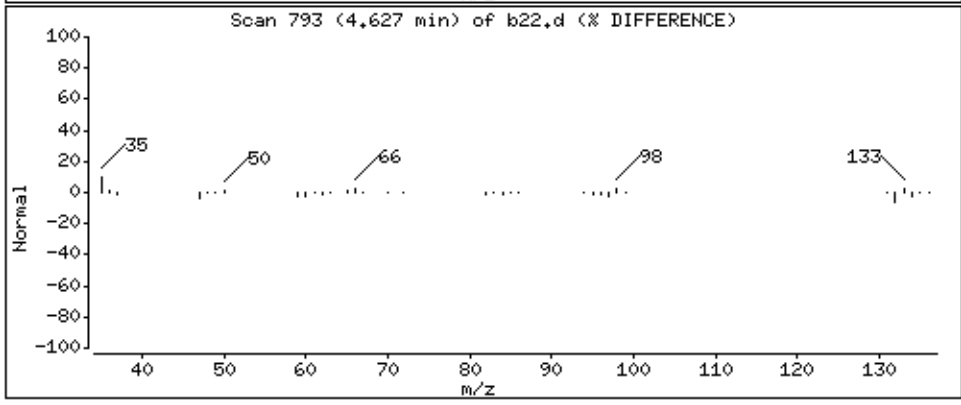
Concentration: 44.5 ppb

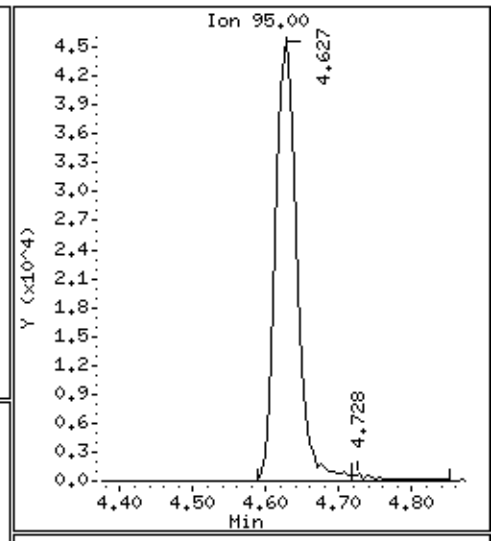
Review Code:

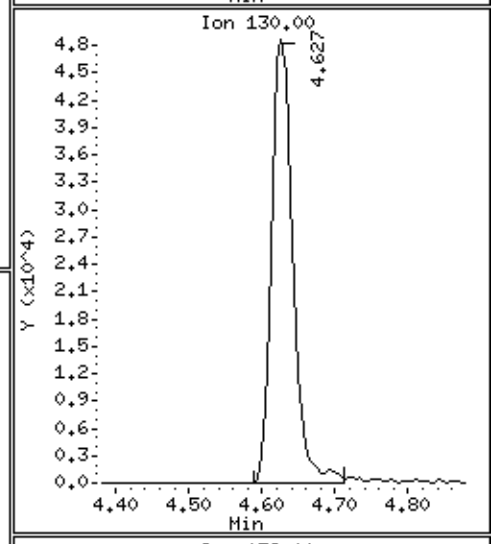


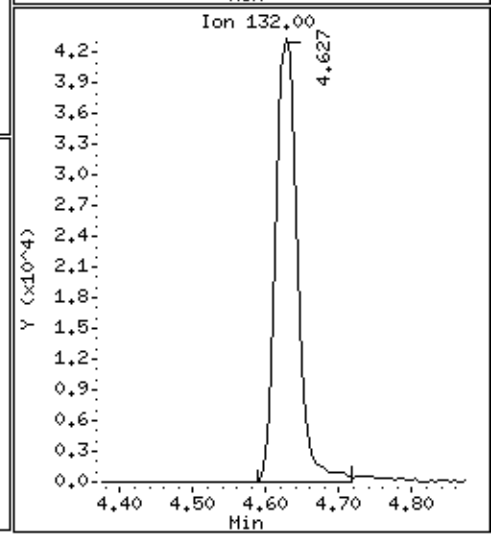












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

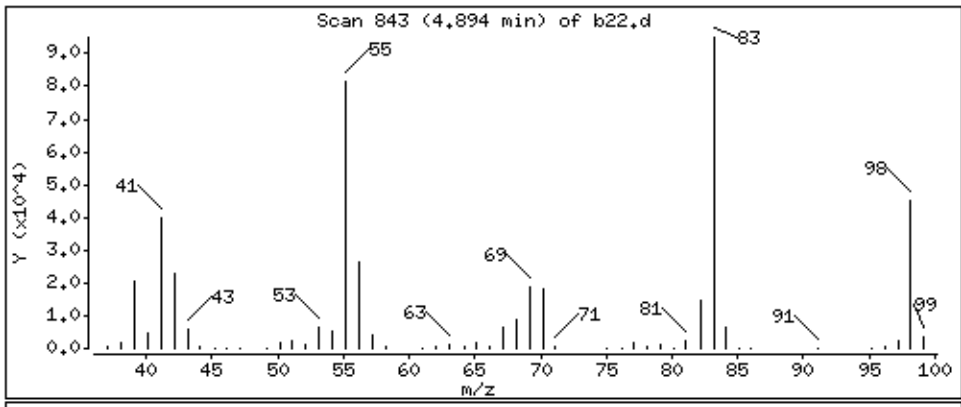
Column phase: DB-624

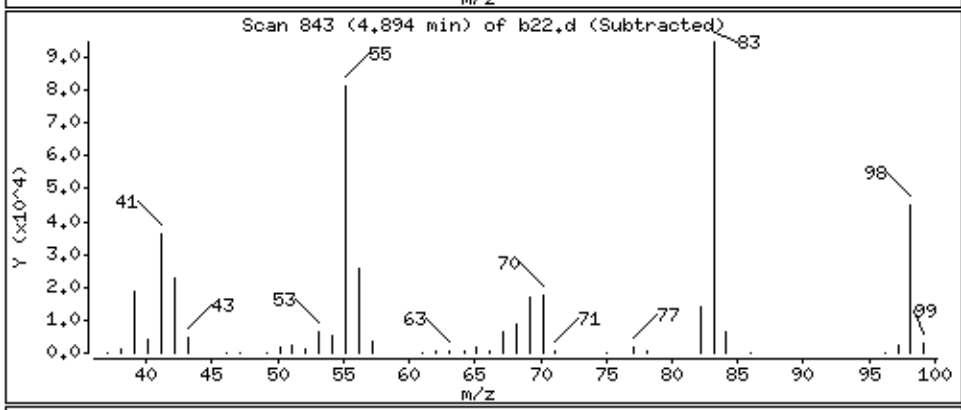
Column diameter: 0.18

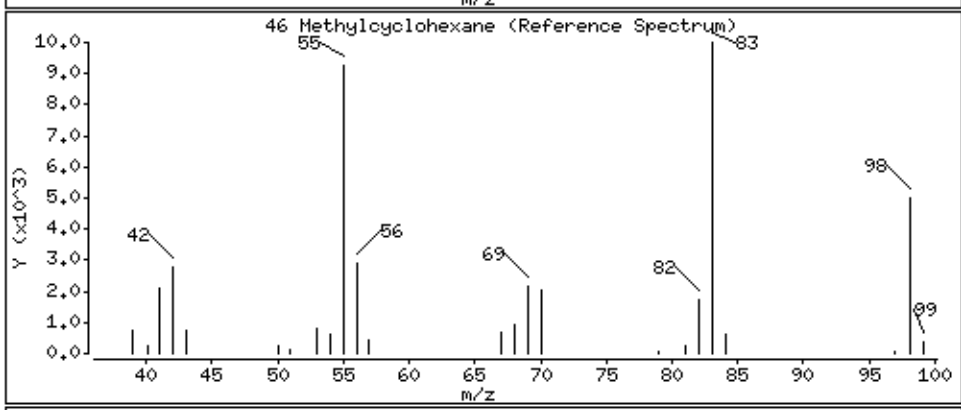
46 Methylcyclohexane

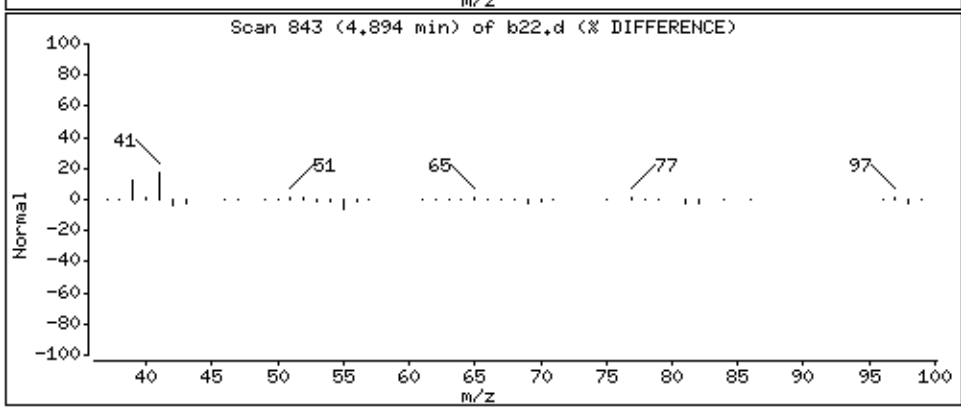
Concentration: 50.8 ppb

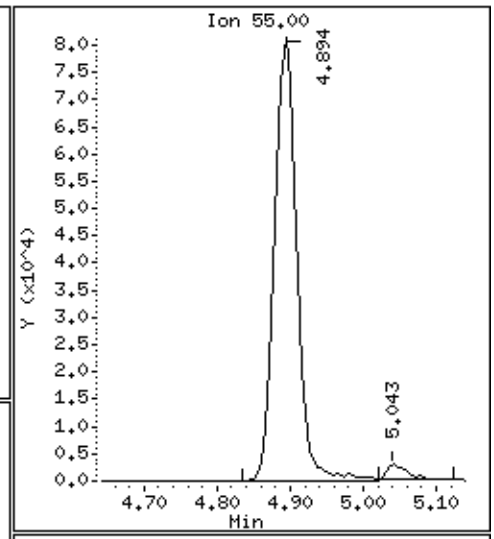
Review Code:

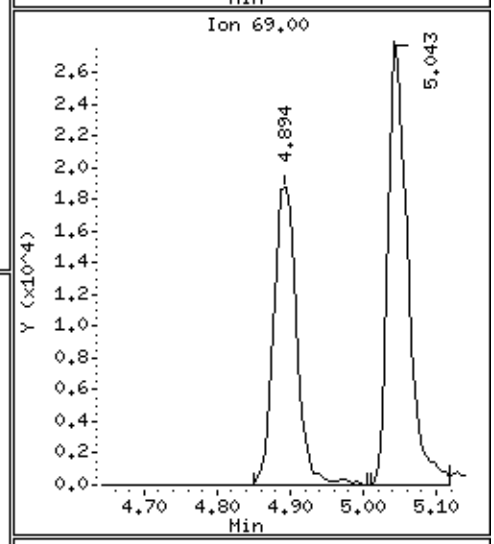


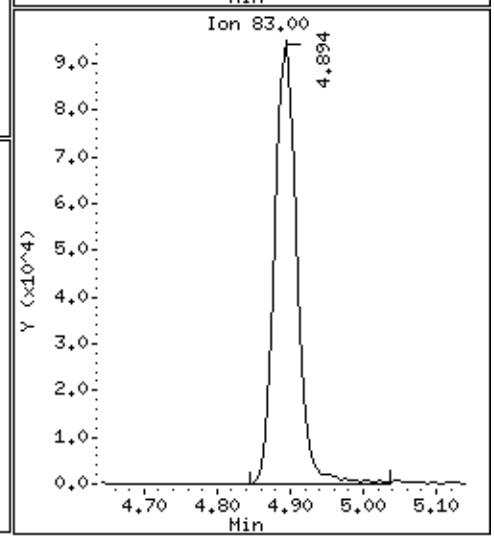












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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

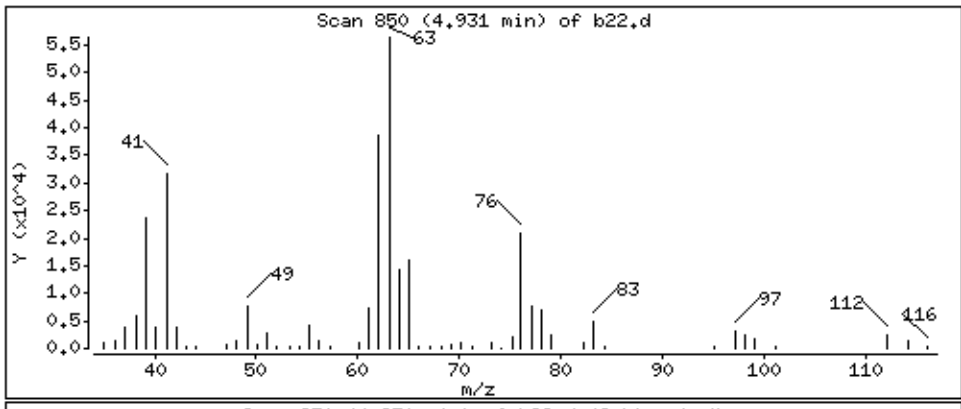
Column phase: DB-624

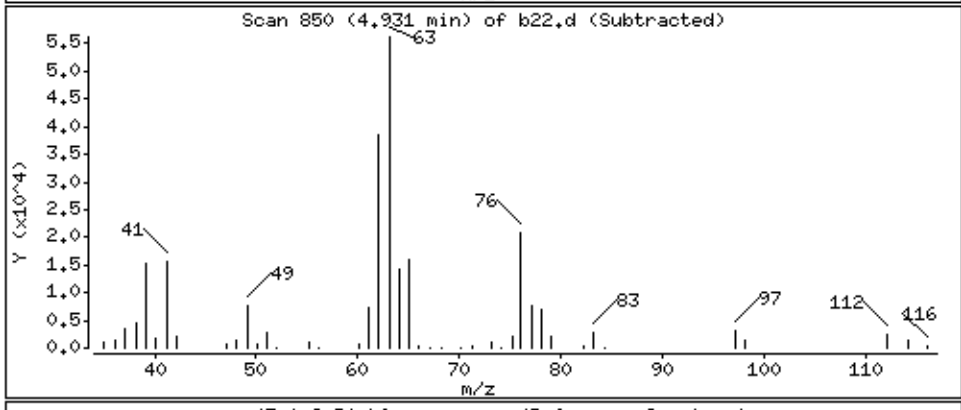
Column diameter: 0.18

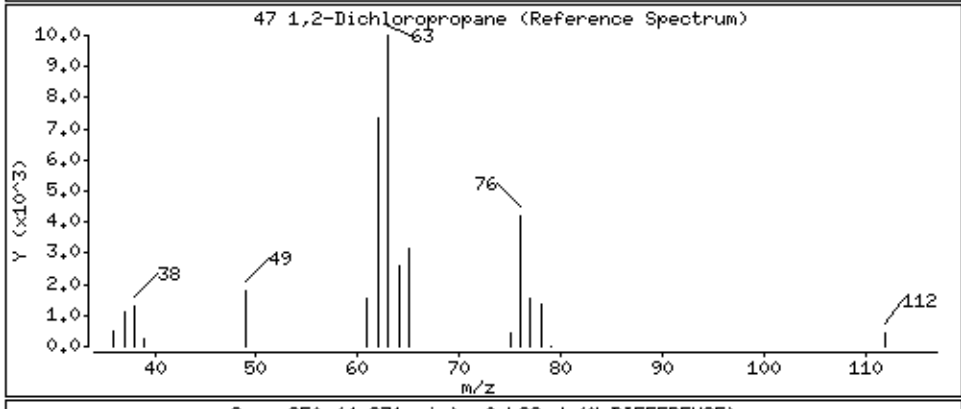
47 1,2-Dichloropropane

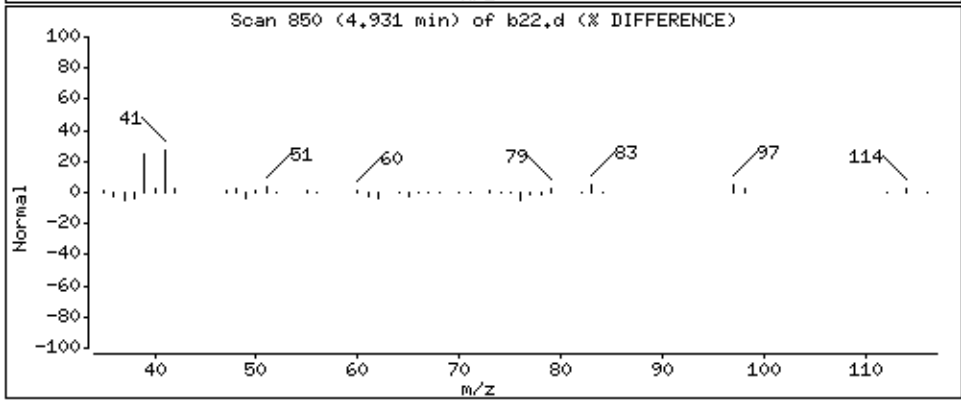
Concentration: 54.4 ppb

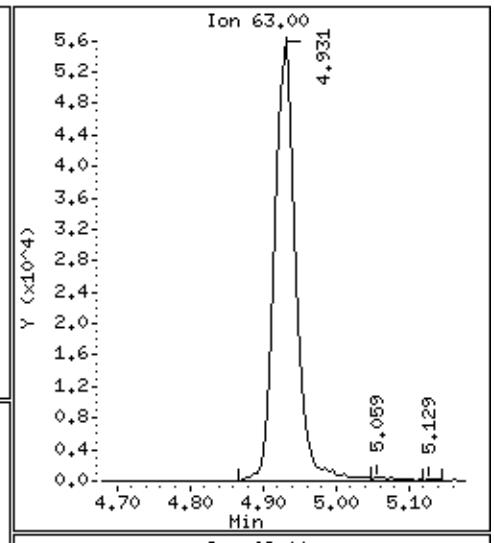
Review Code:

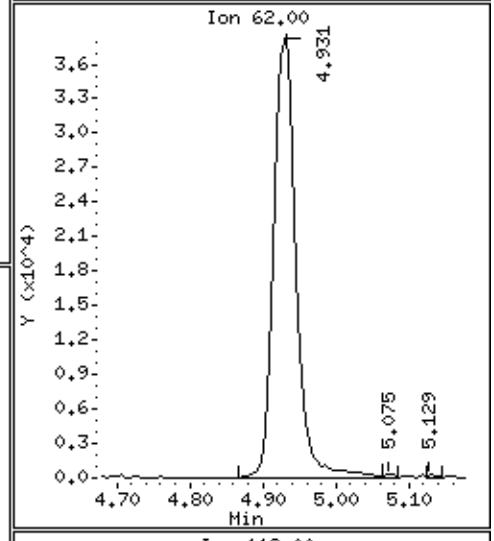


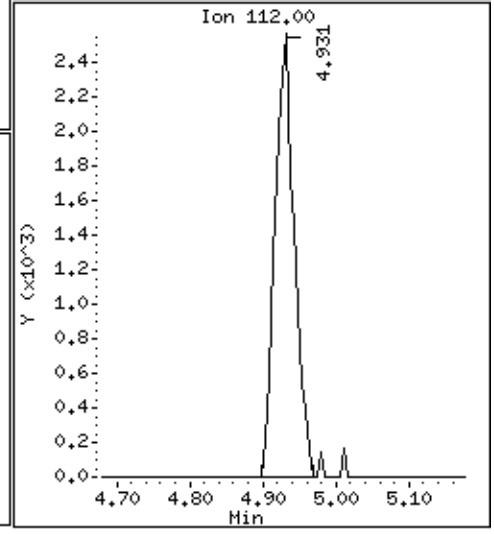












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

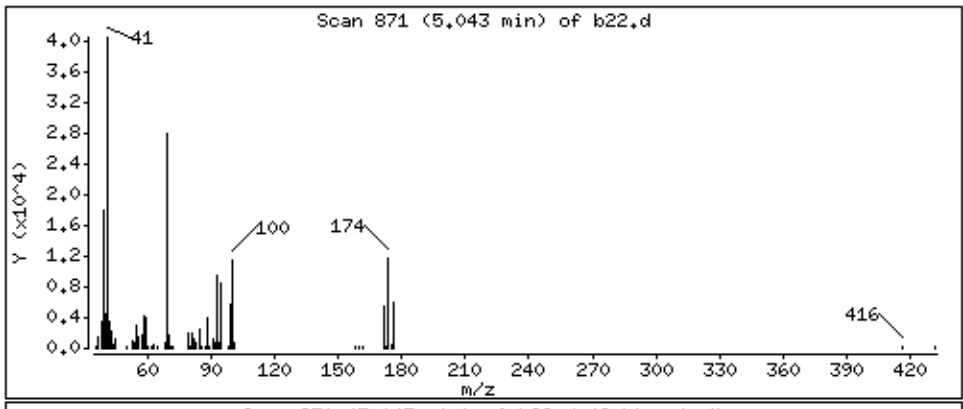
Column phase: DB-624

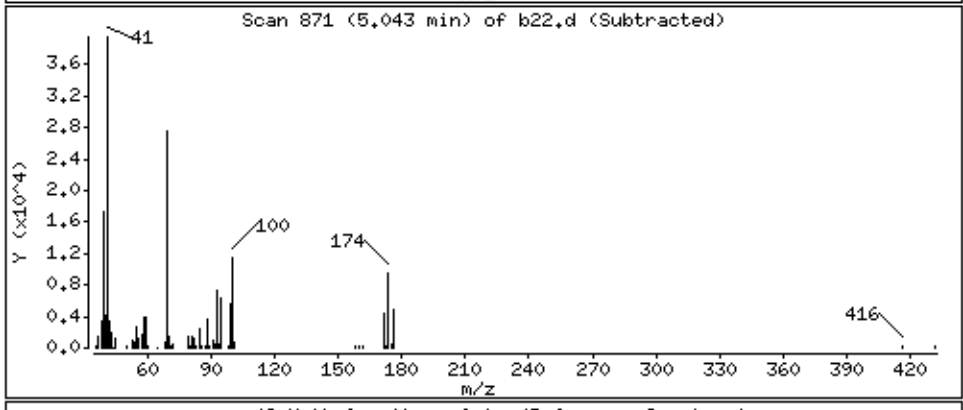
Column diameter: 0.18

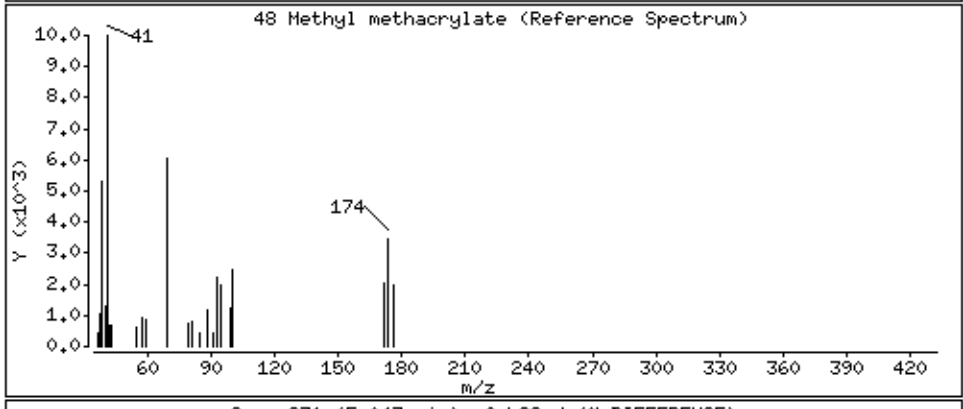
48 Methyl methacrylate

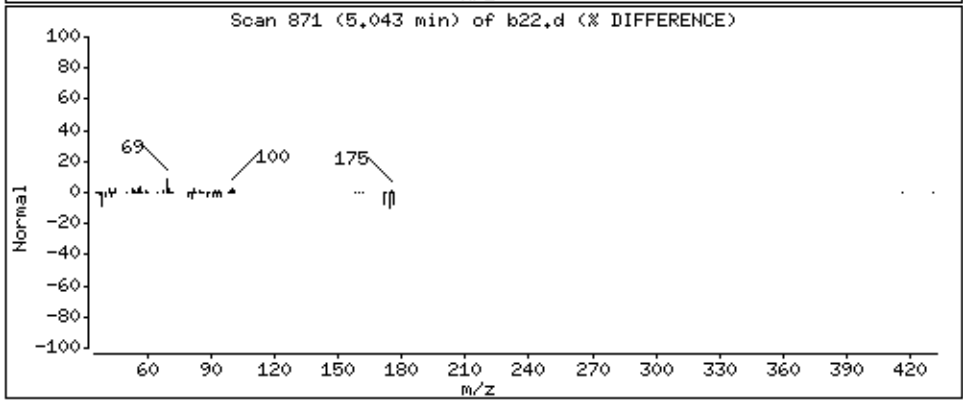
Concentration: 62.5 ppb

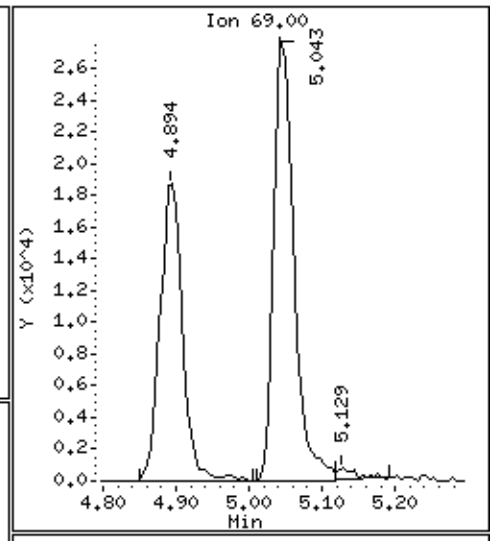
Review Code:

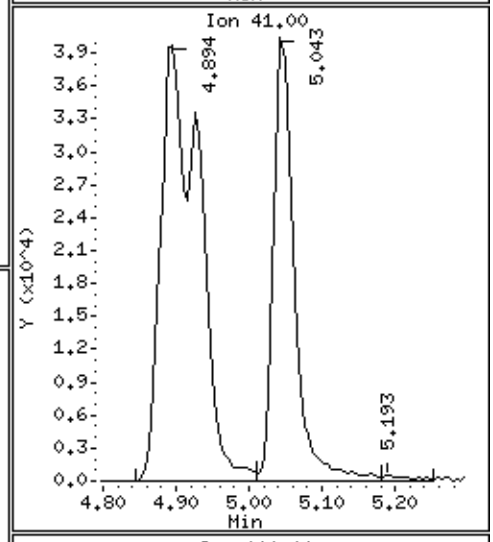


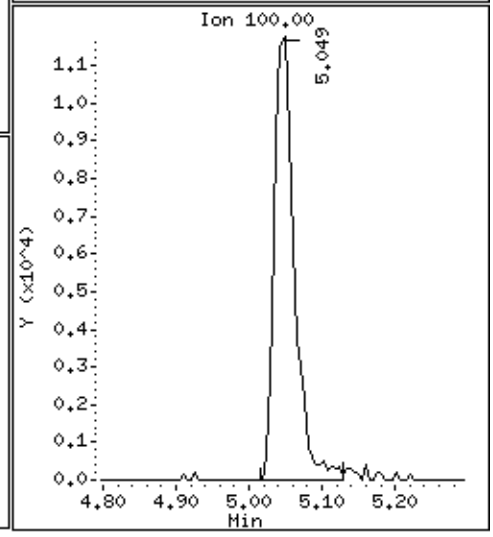












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

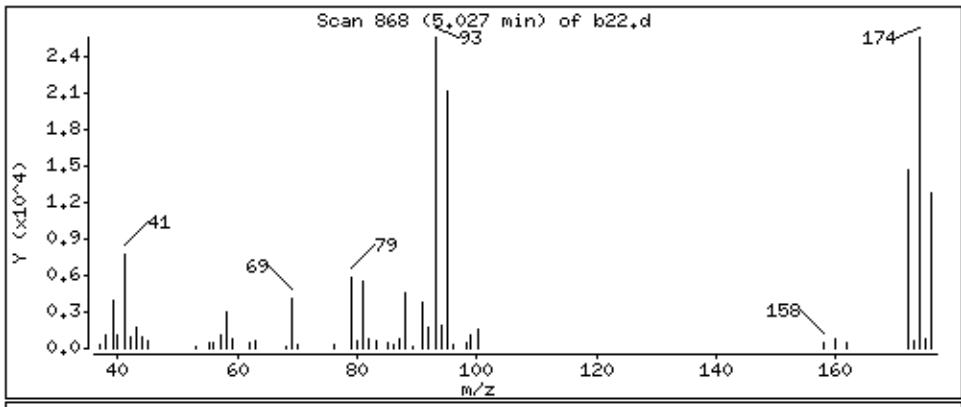
Column phase: DB-624

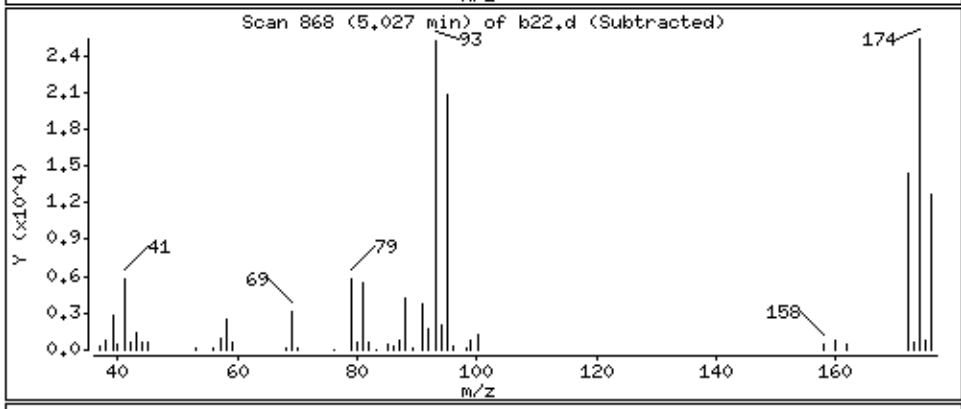
Column diameter: 0.18

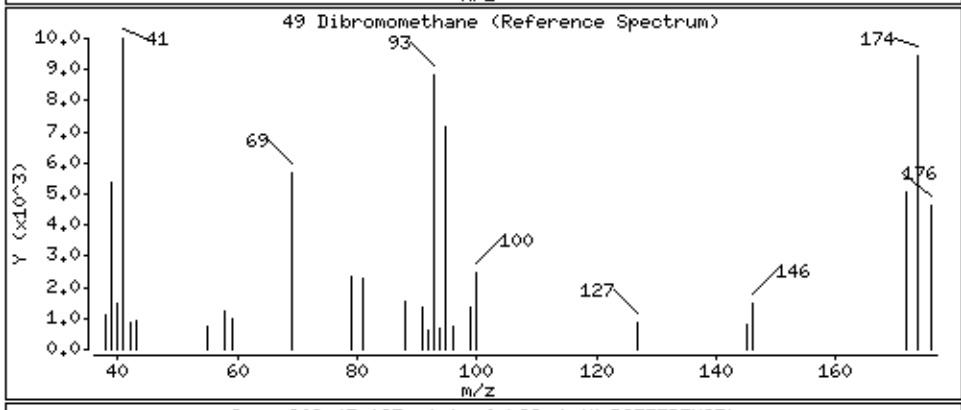
49 Dibromomethane

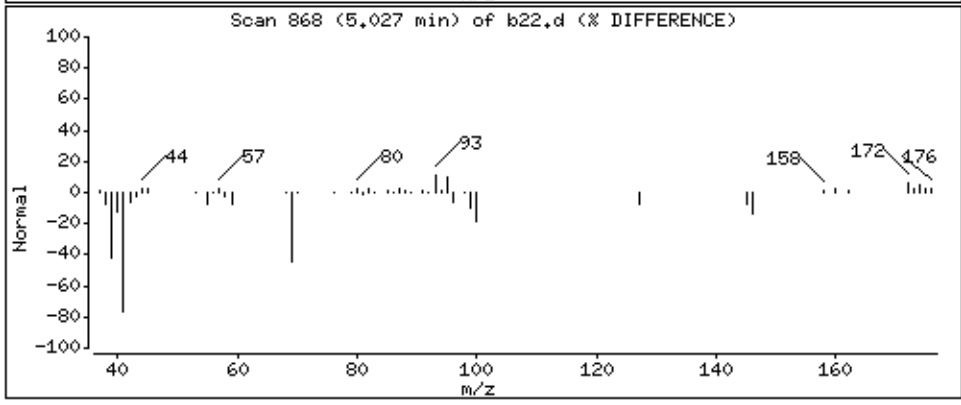
Concentration: 49.9 ppb

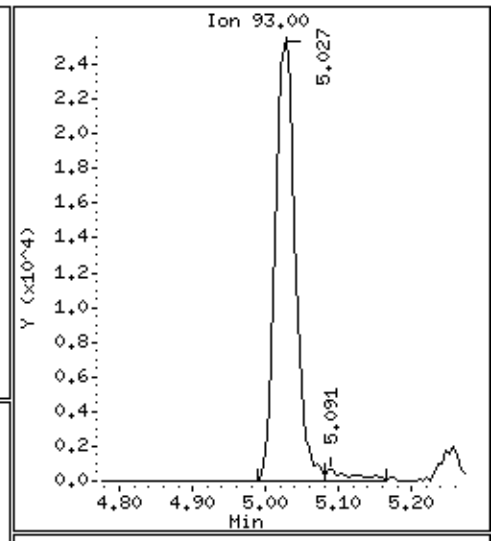
Review Code:

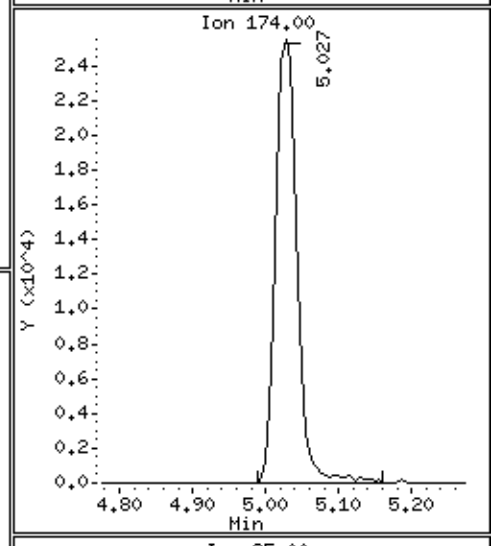


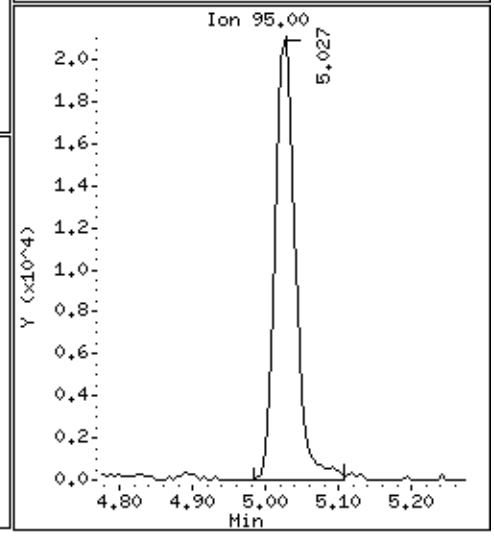












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

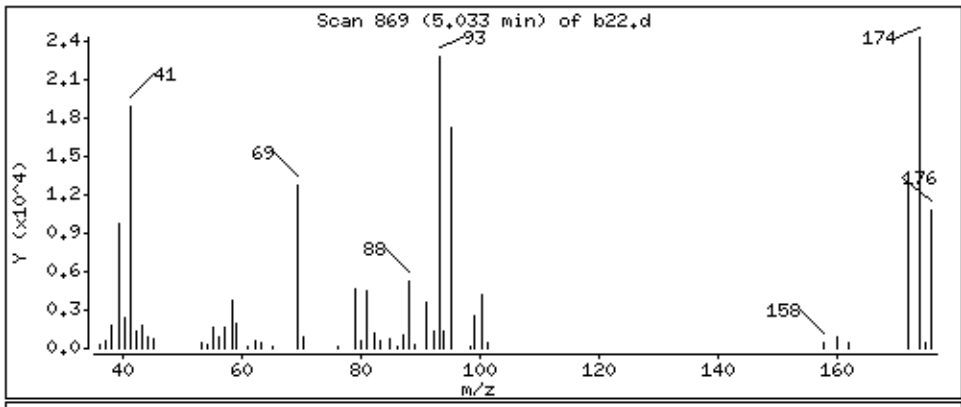
Column phase: DB-624

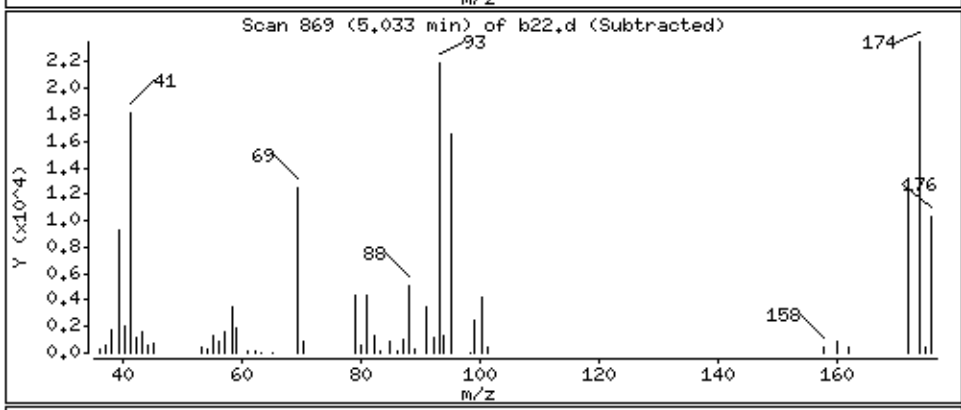
Column diameter: 0.18

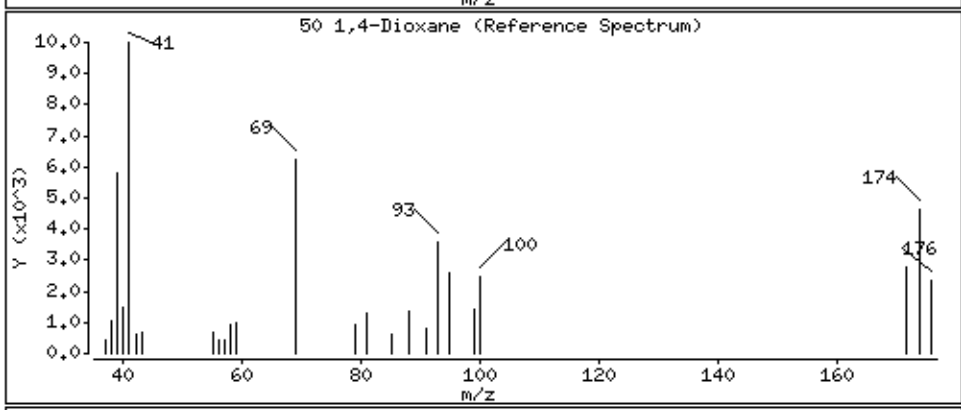
50 1,4-Dioxane

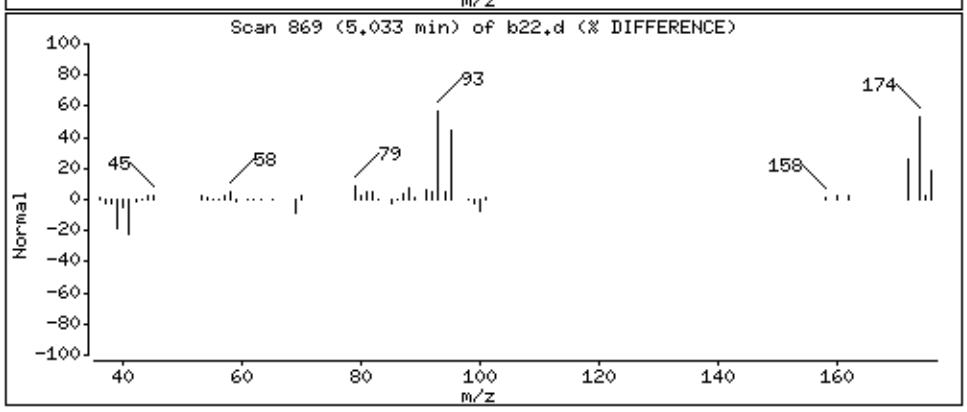
Concentration: 1290 ppb

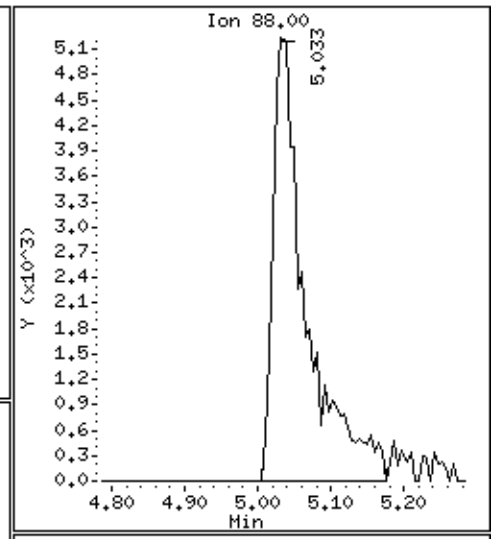
Review Code:

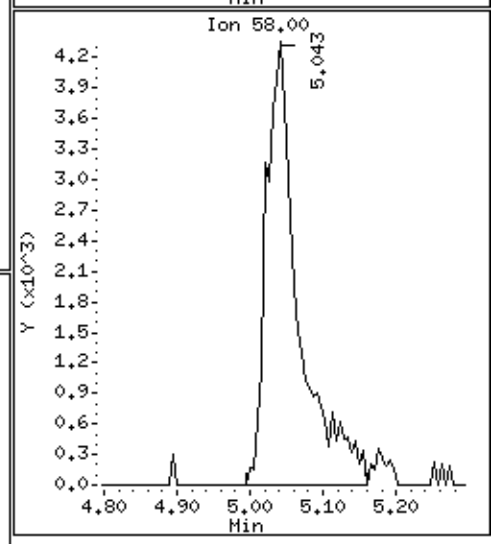












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

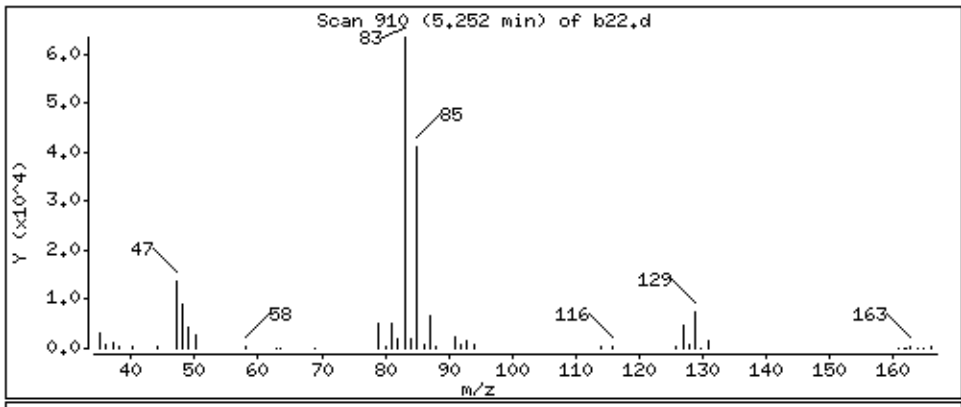
Column phase: DB-624

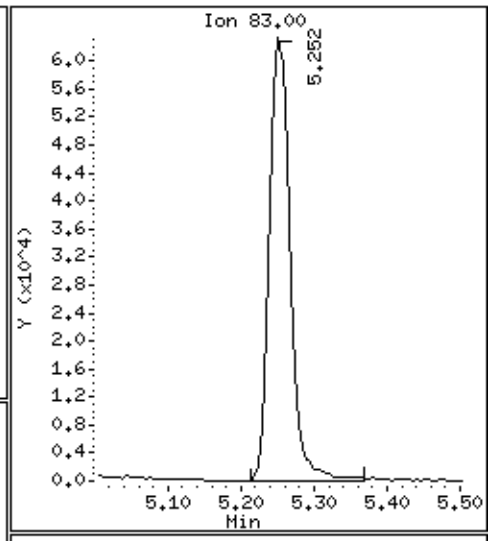
Column diameter: 0.18

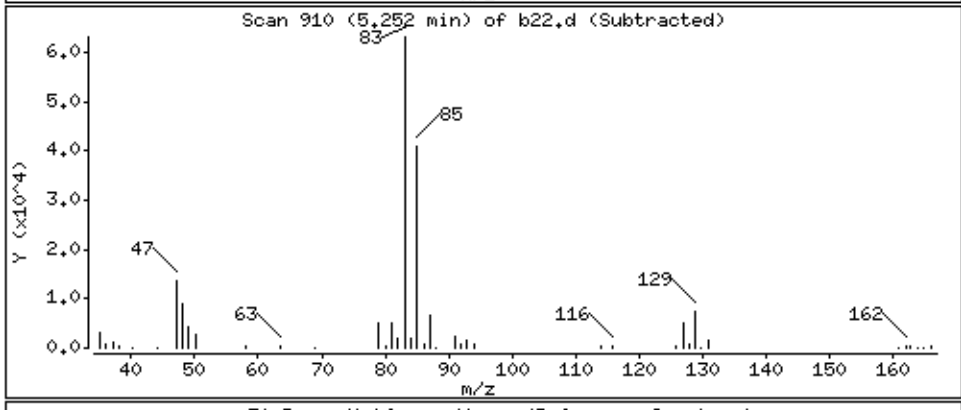
51 Bromodichloromethane

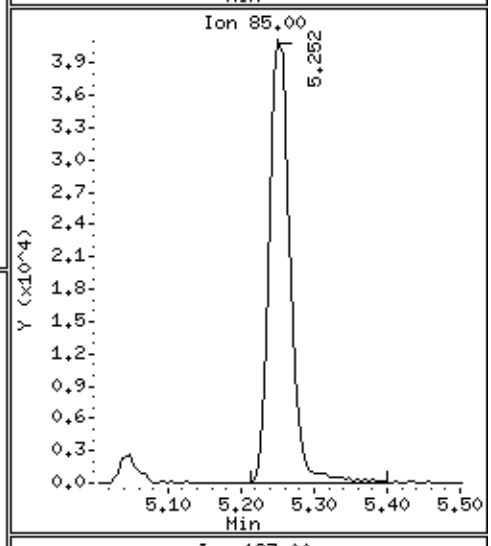
Concentration: 51.8 ppb

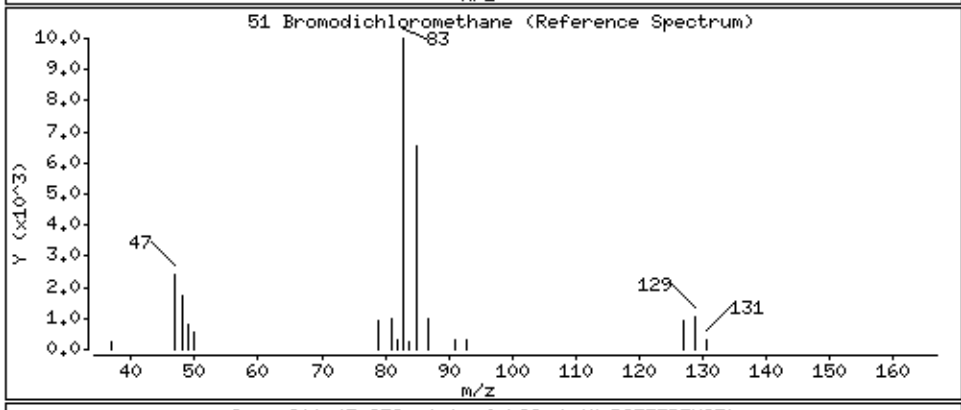
Review Code:

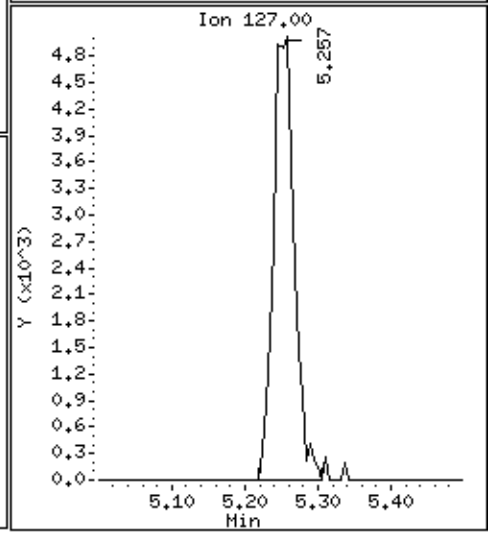


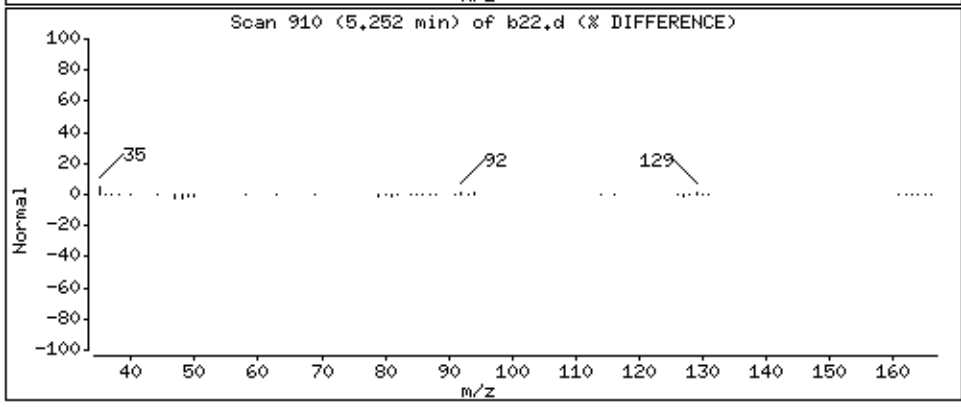












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

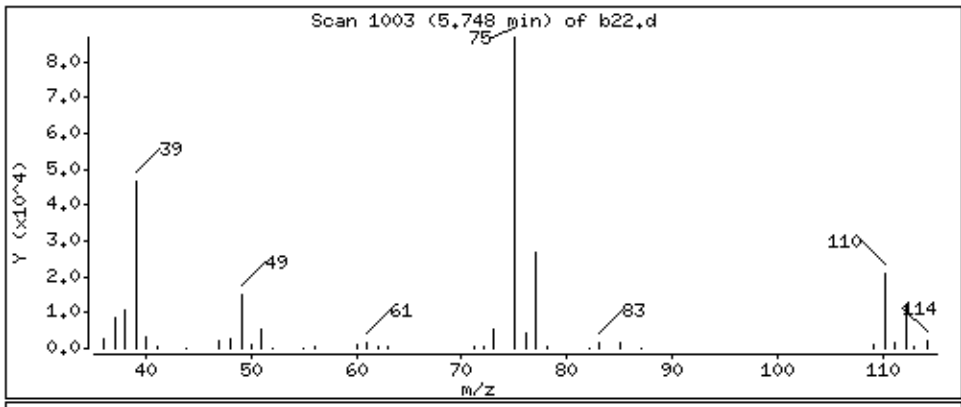
Column phase: DB-624

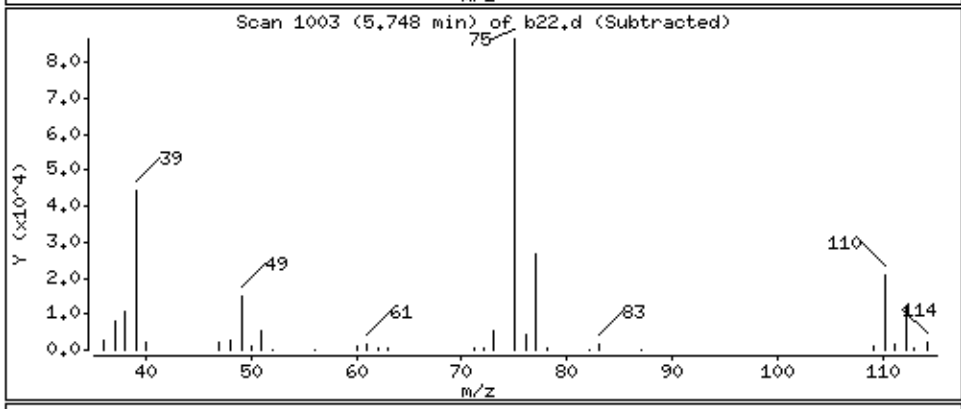
Column diameter: 0.18

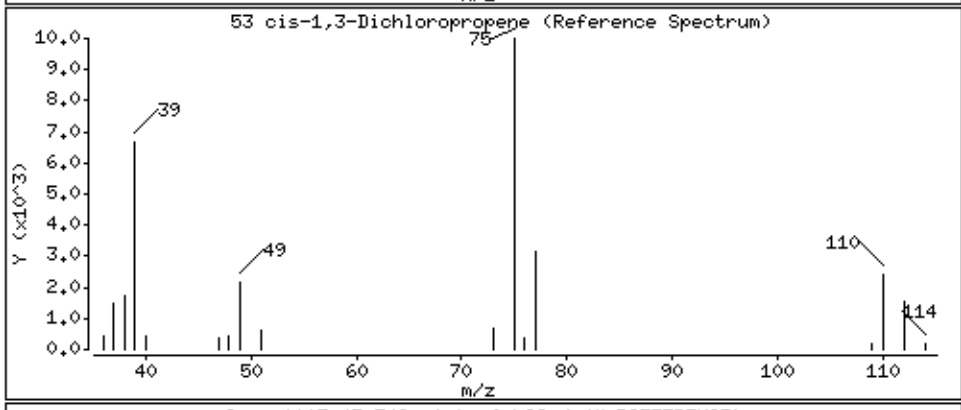
53 cis-1,3-Dichloropropene

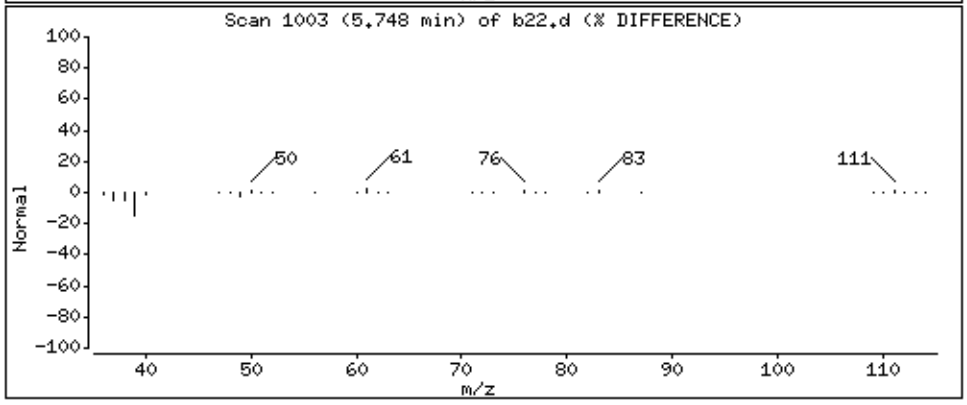
Concentration: 49.4 ppb

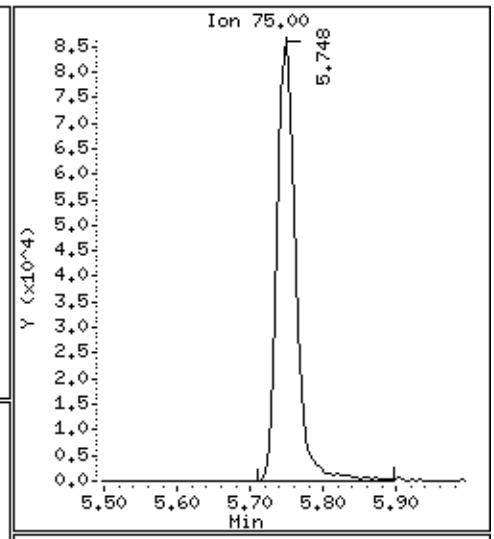
Review Code:

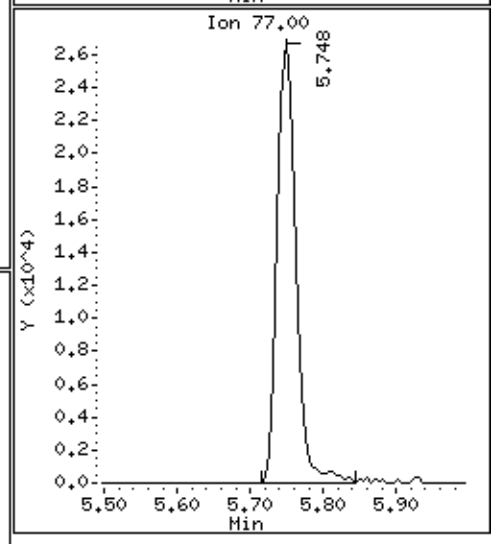












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

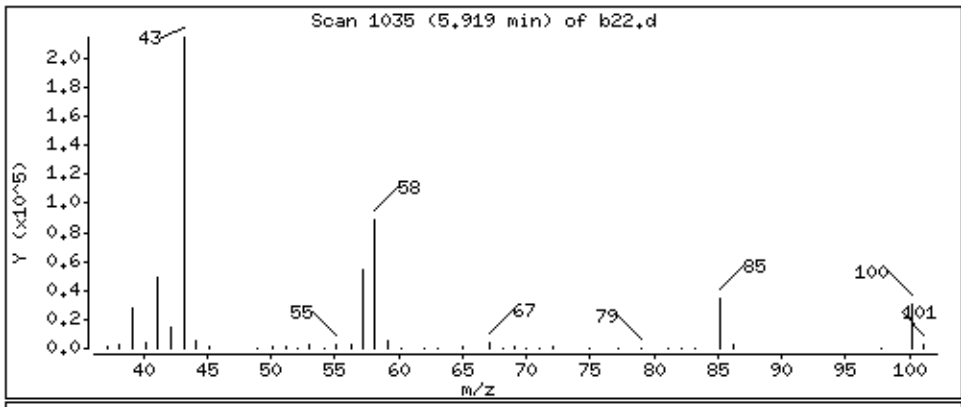
Column phase: DB-624

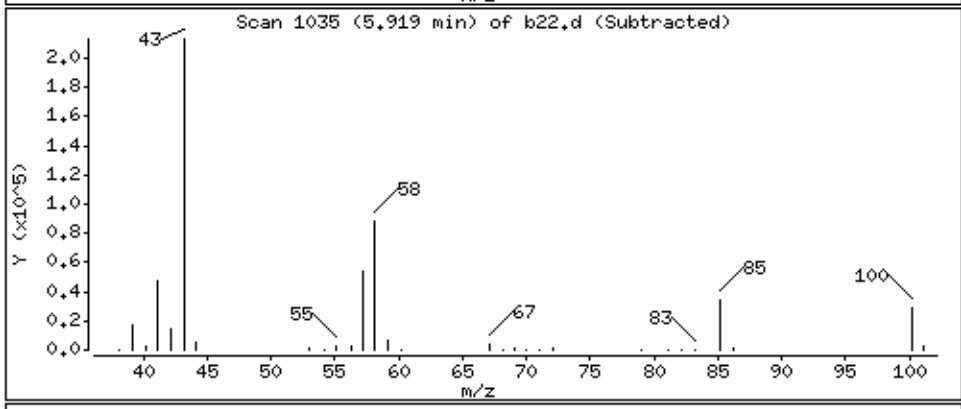
Column diameter: 0.18

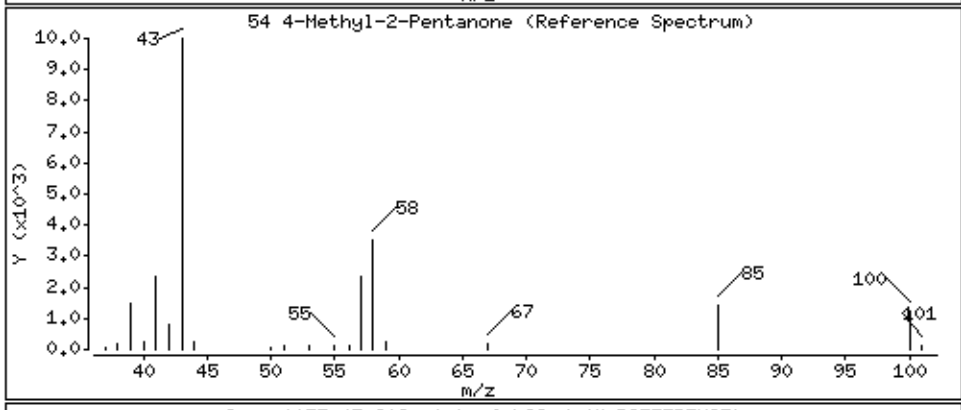
54 4-Methyl-2-Pentanone

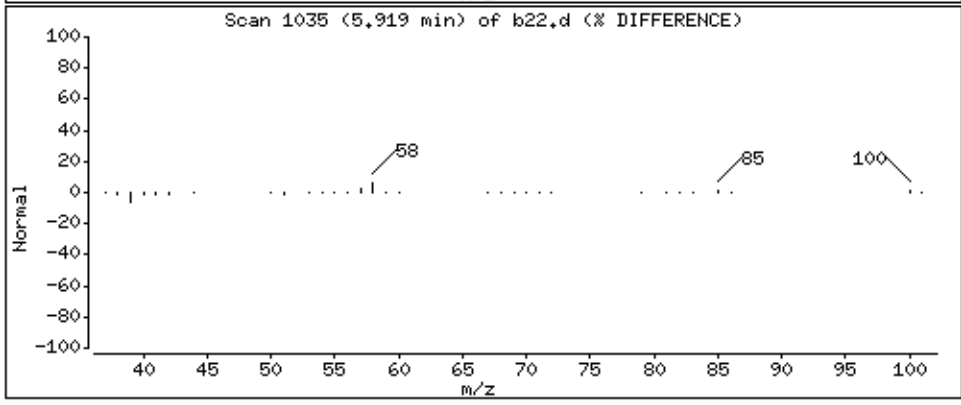
Concentration: 286 ppb

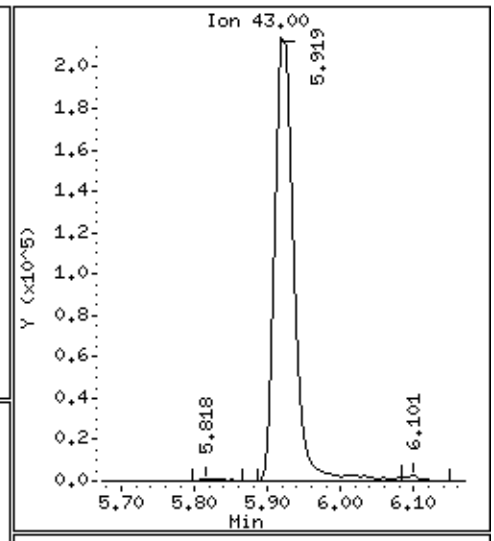
Review Code:

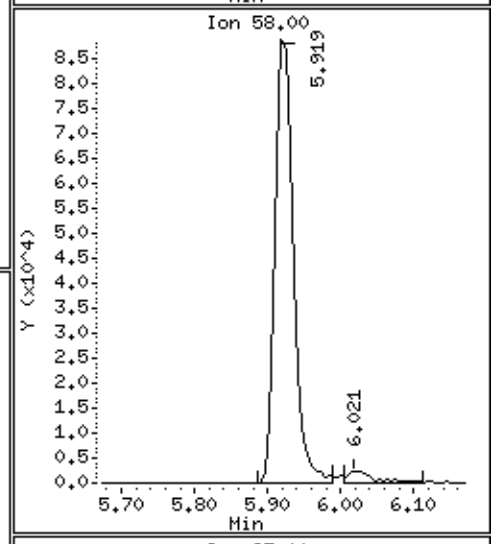


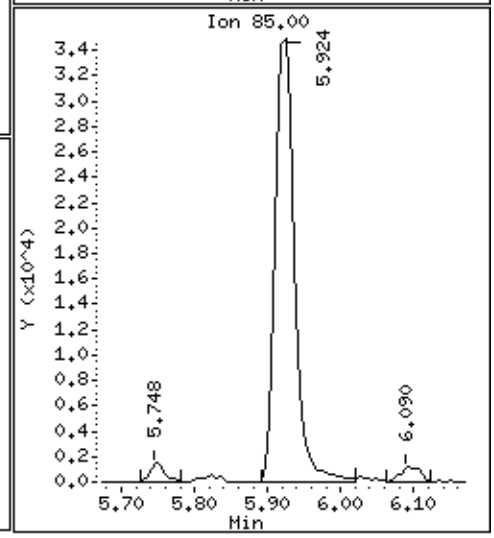












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

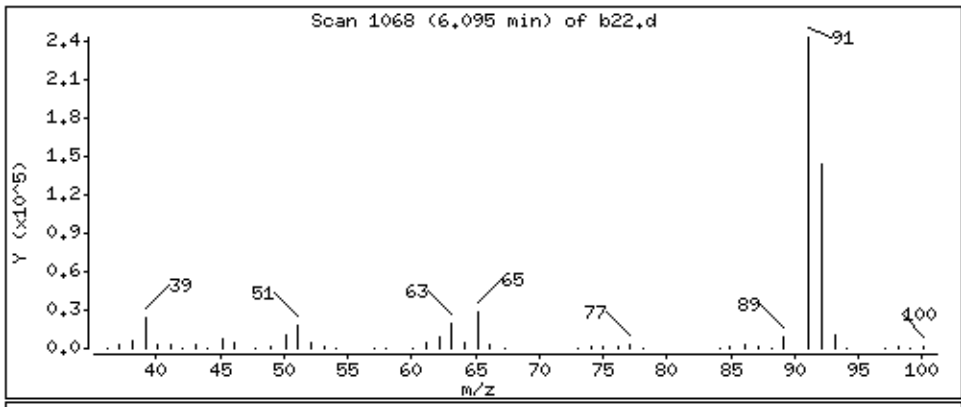
Column phase: DB-624

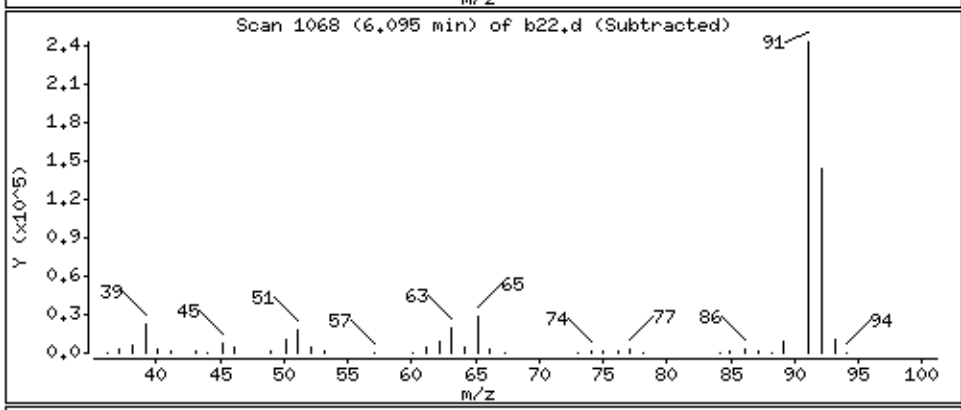
Column diameter: 0.18

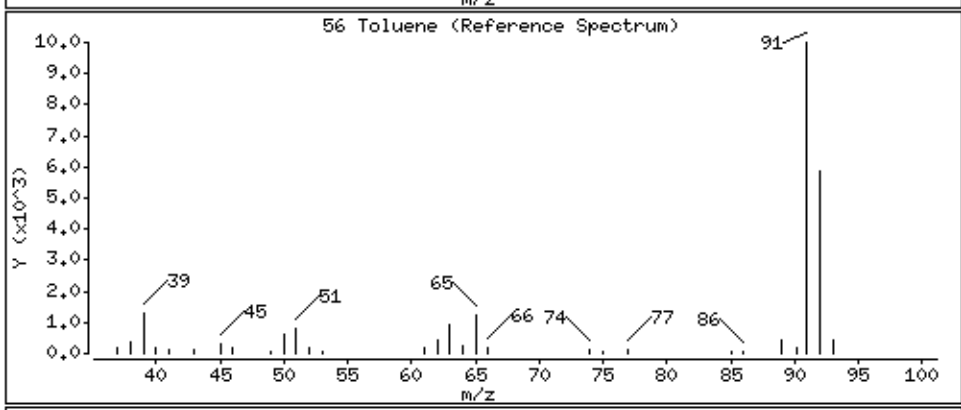
56 Toluene

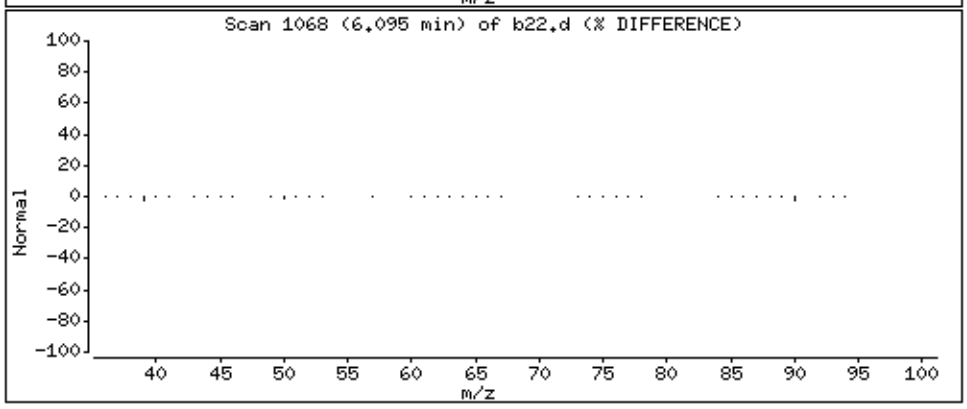
Concentration: 38.9 ppb

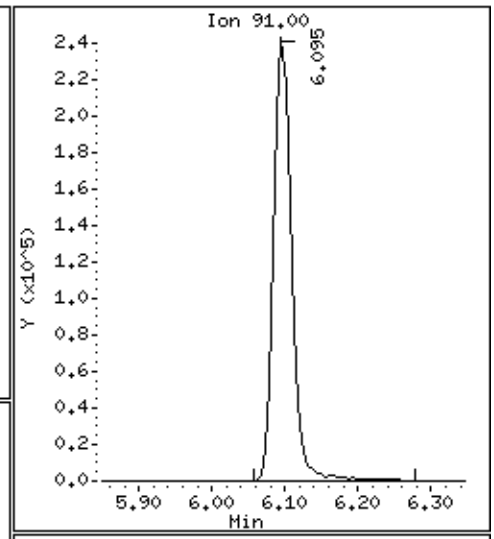
Review Code:

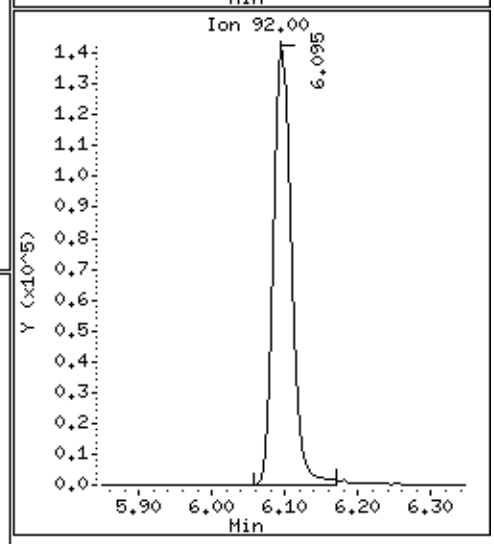












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

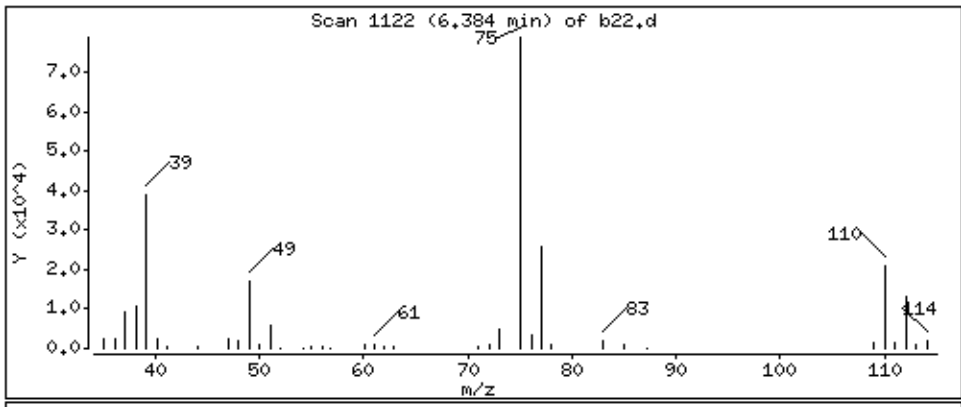
Column phase: DB-624

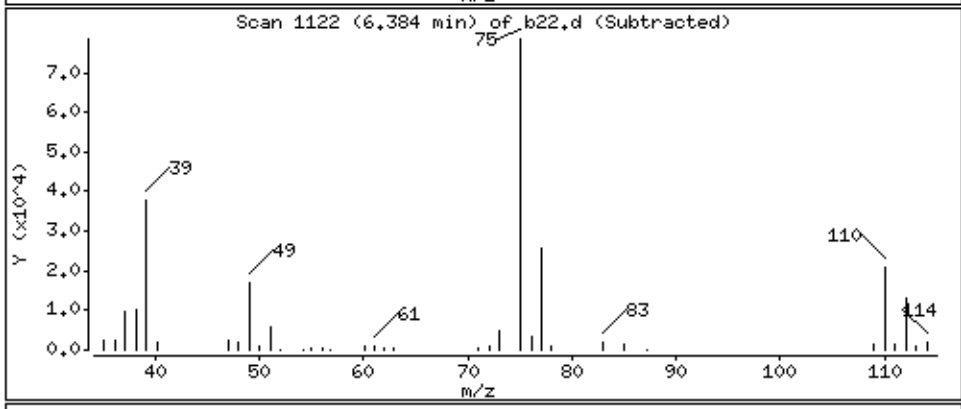
Column diameter: 0.18

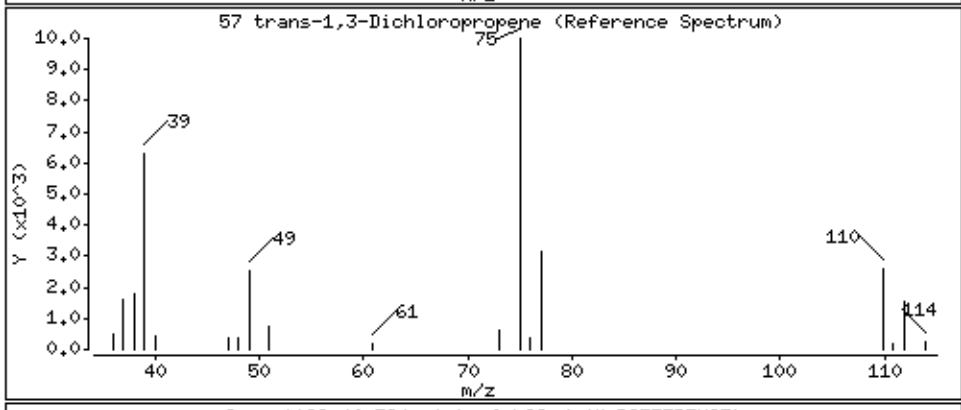
57 trans-1,3-Dichloropropene

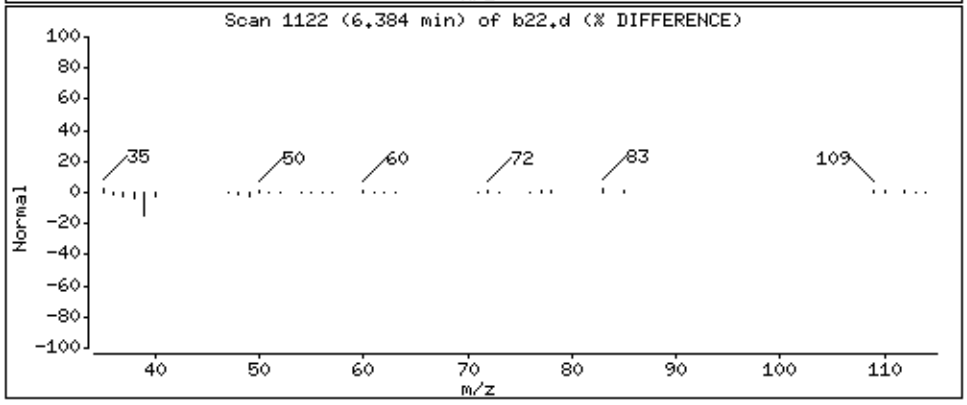
Concentration: 52.5 ppb

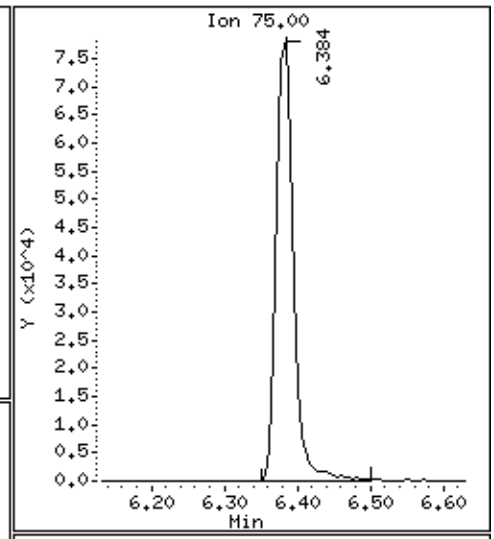
Review Code:

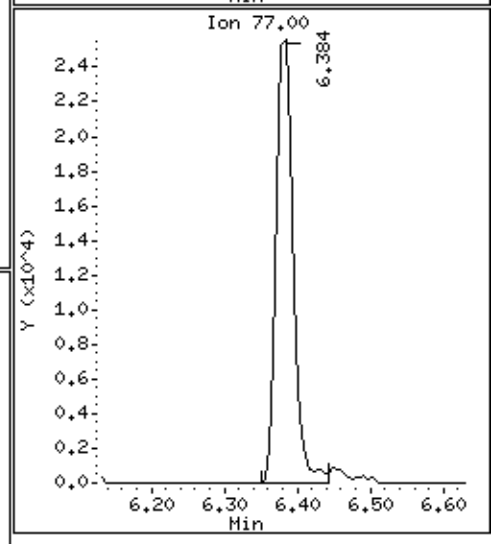












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

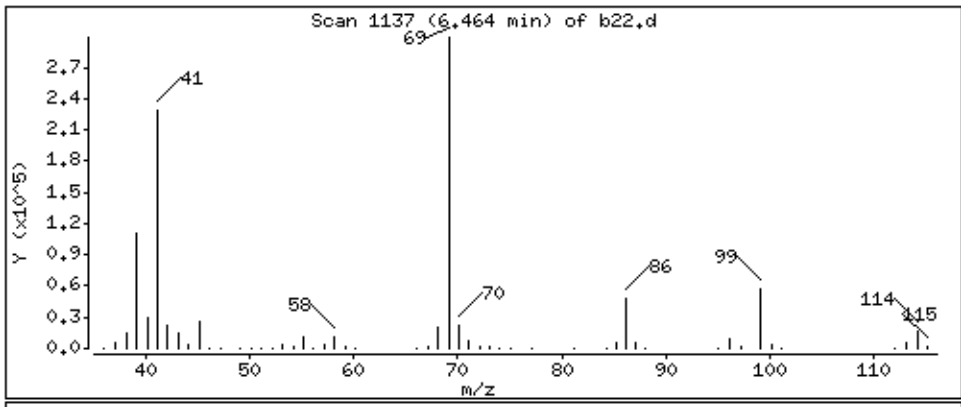
Column phase: DB-624

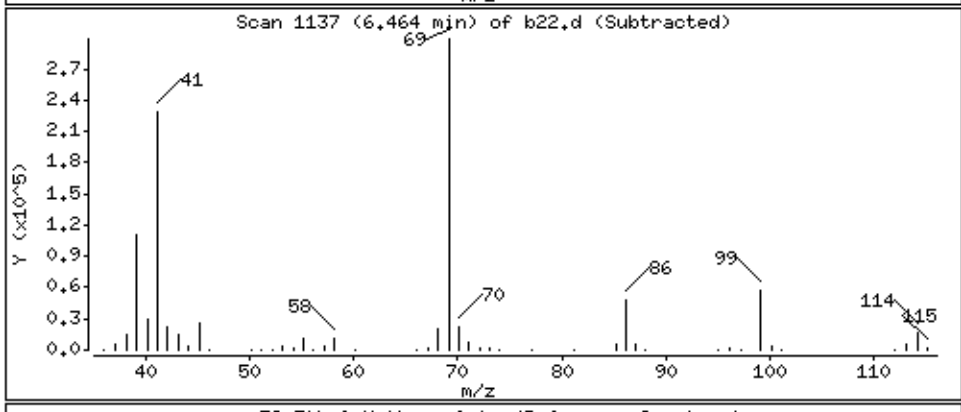
Column diameter: 0.18

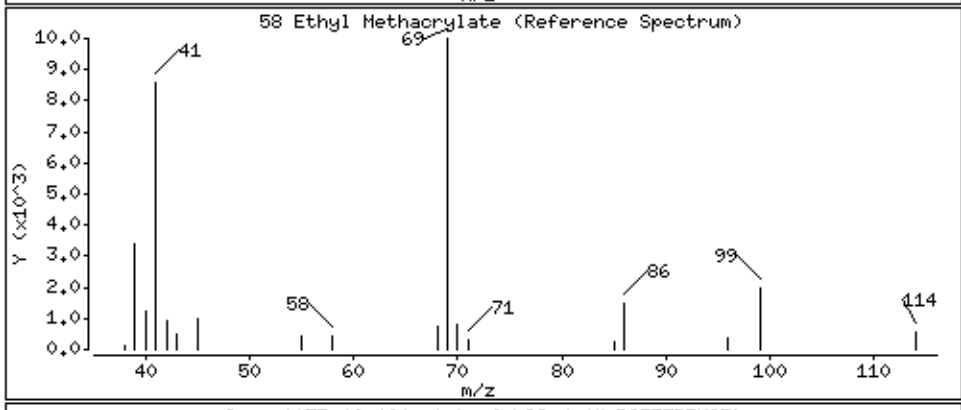
58 Ethyl Methacrylate

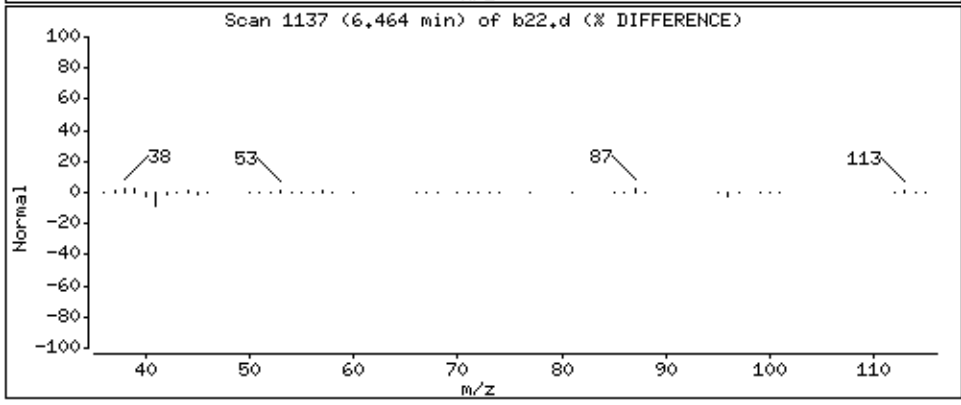
Concentration: 238 ppb

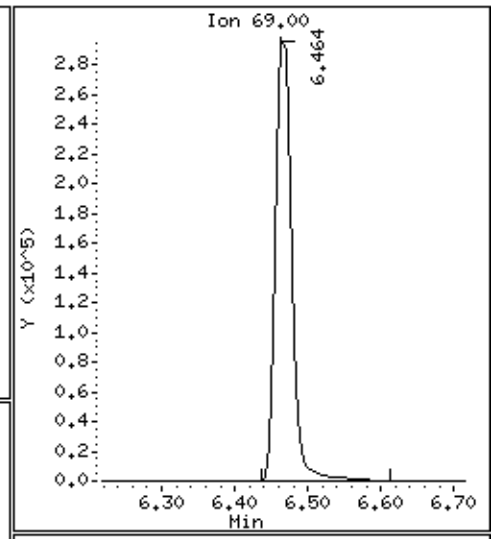
Review Code:

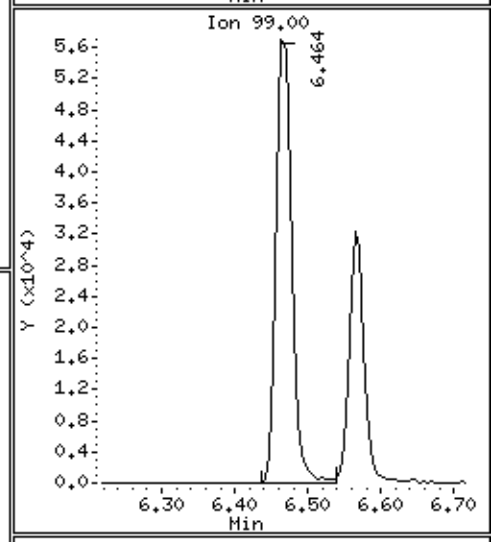


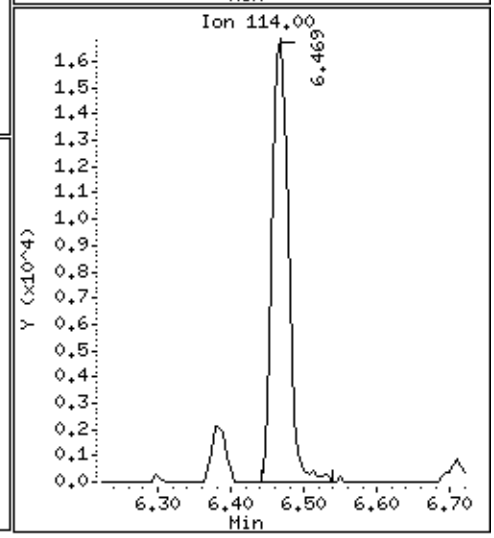












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

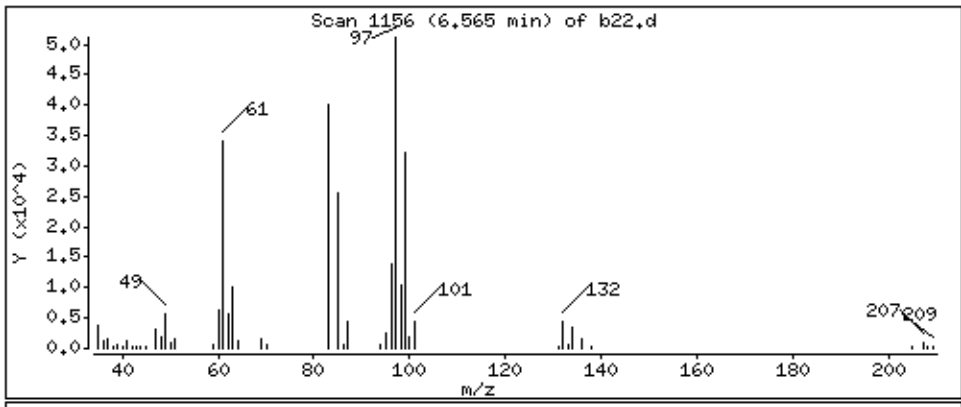
Column phase: DB-624

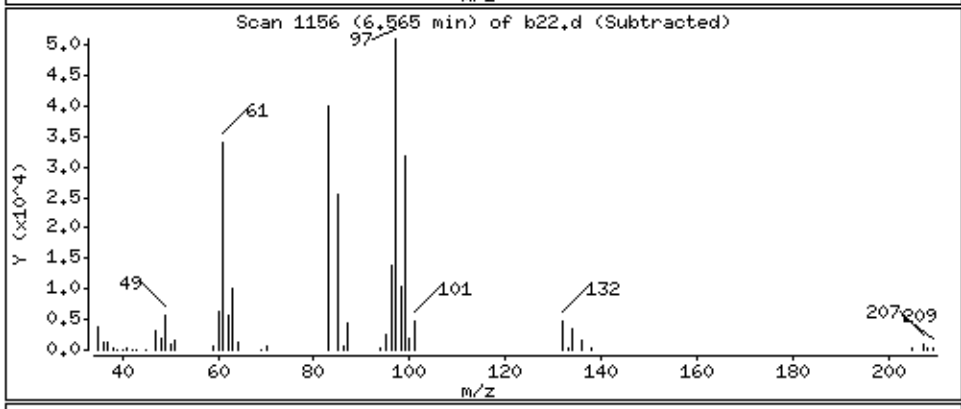
Column diameter: 0.18

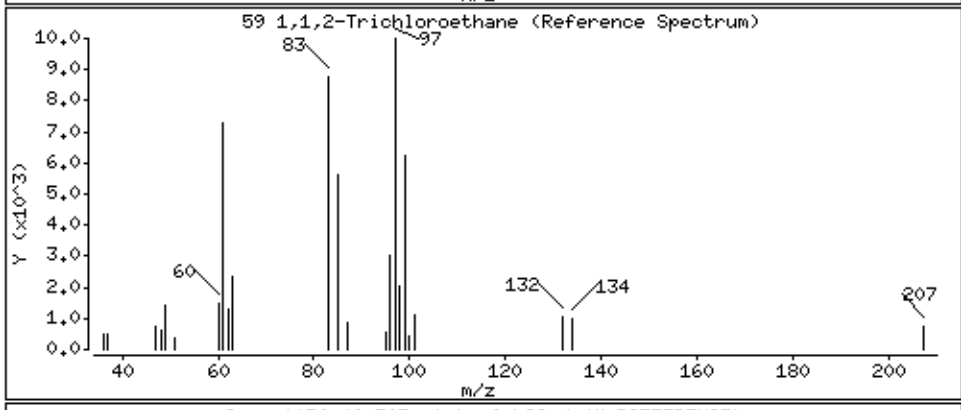
59 1,1,2-Trichloroethane

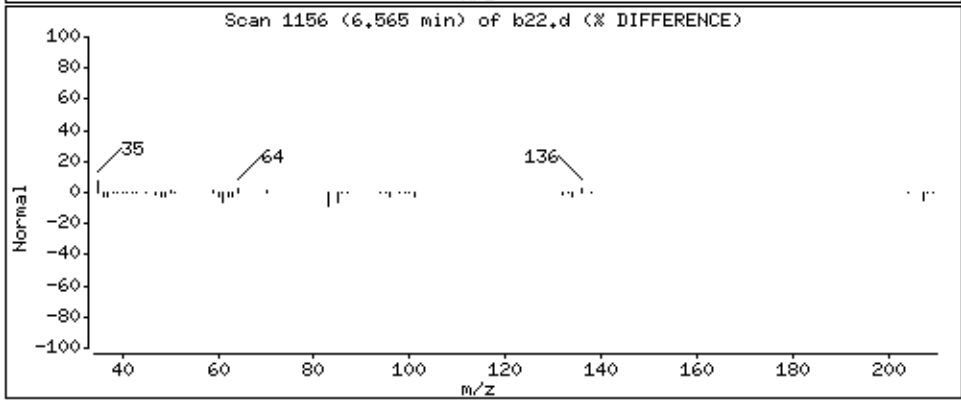
Concentration: 54.8 ppb

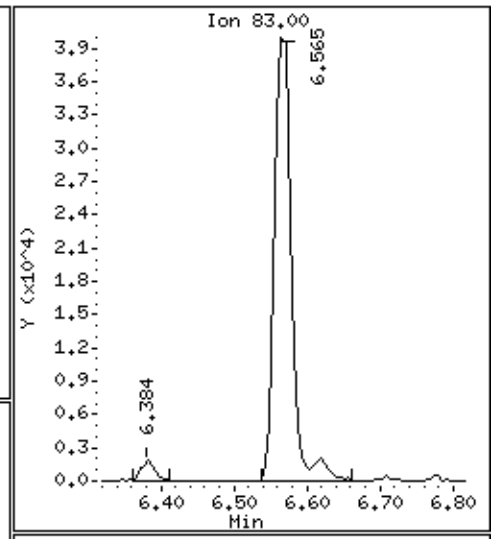
Review Code:

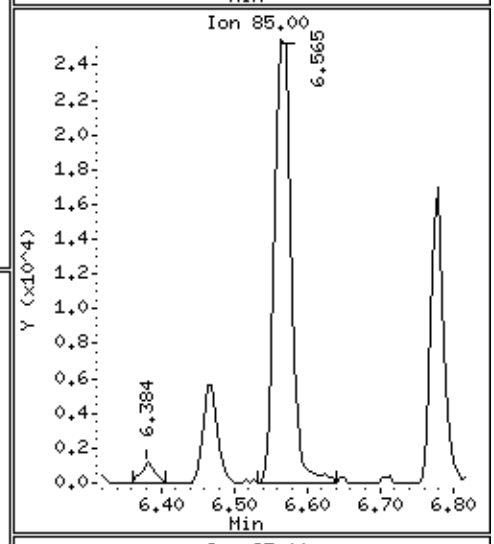


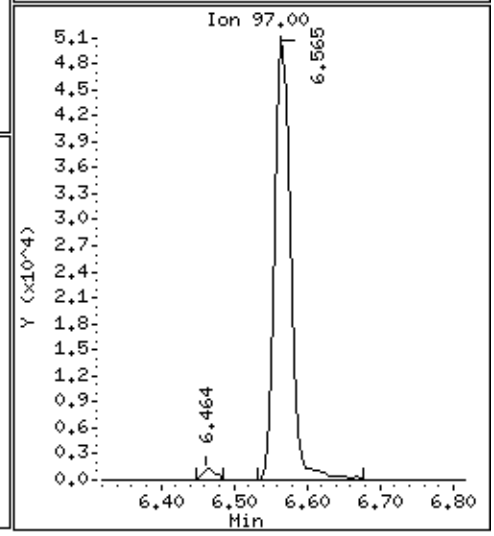












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

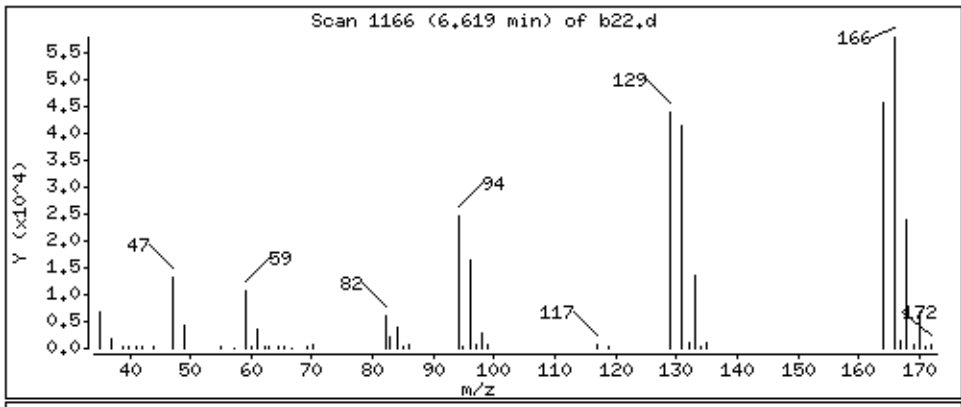
Column phase: DB-624

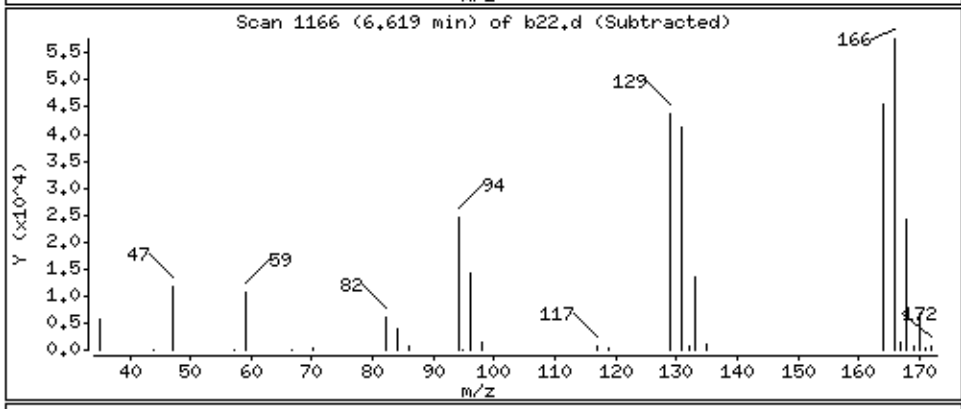
Column diameter: 0.18

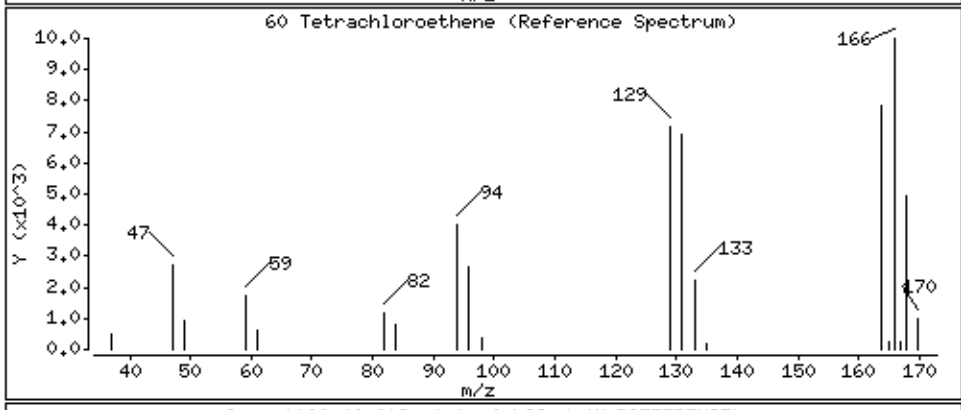
60 Tetrachloroethene

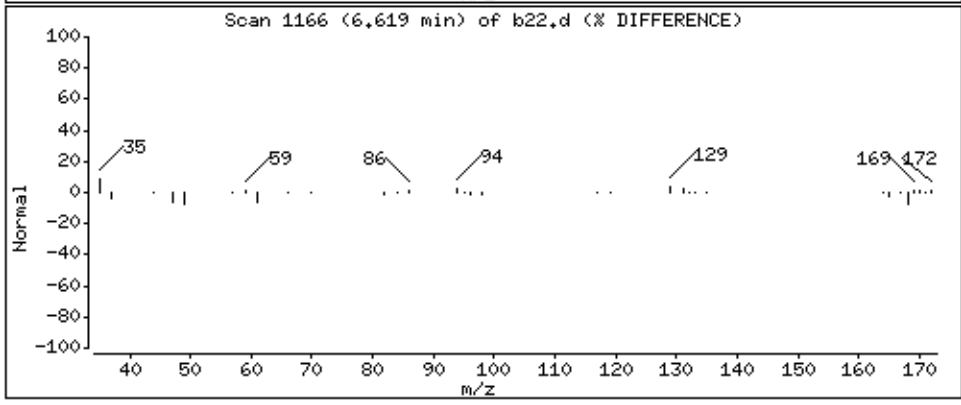
Concentration: 36.0 ppb

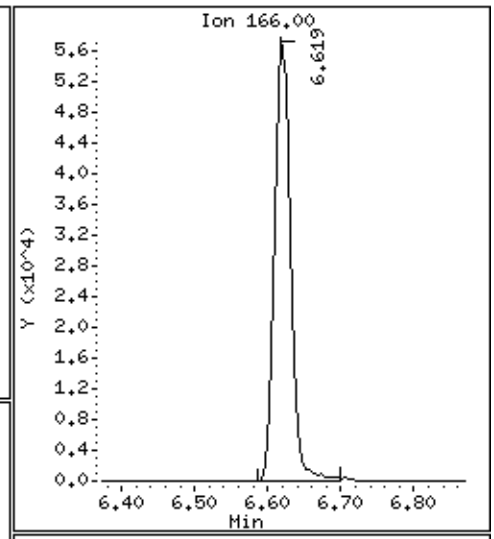
Review Code:

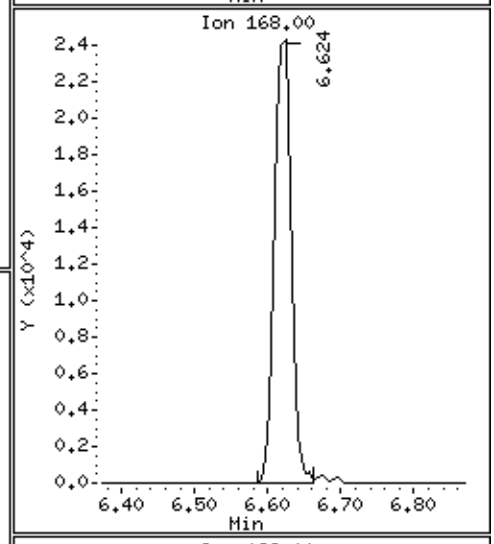


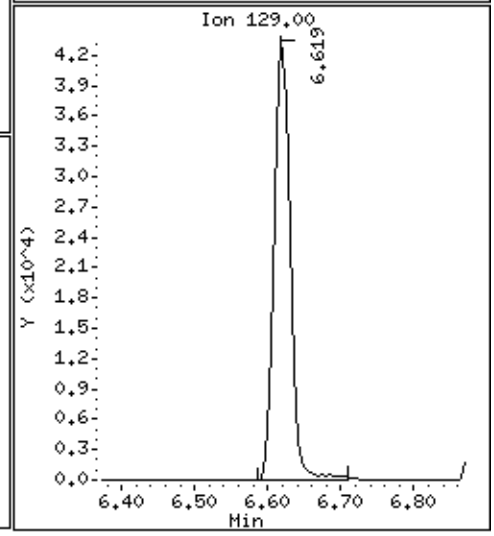












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

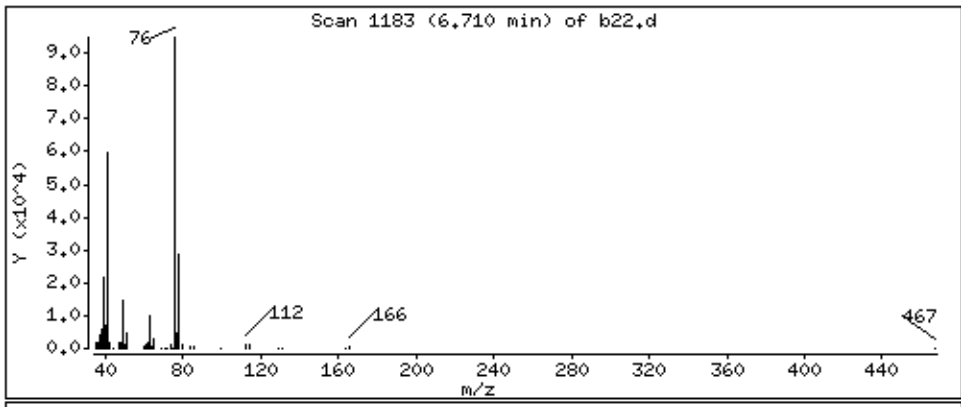
Column phase: DB-624

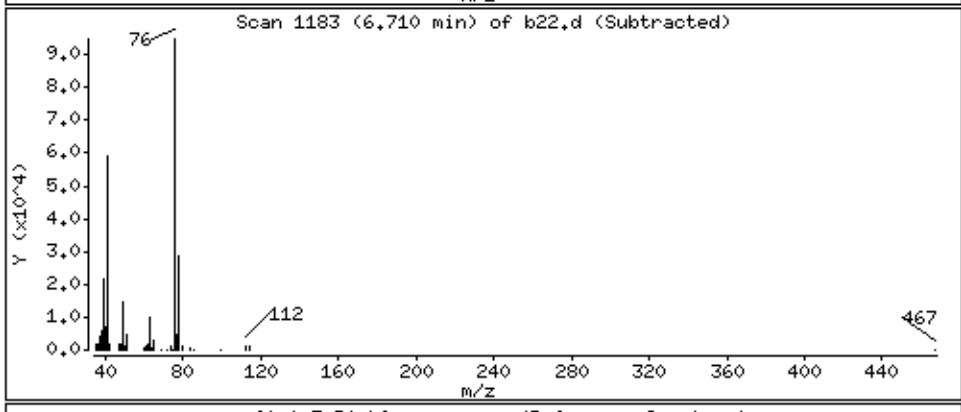
Column diameter: 0.18

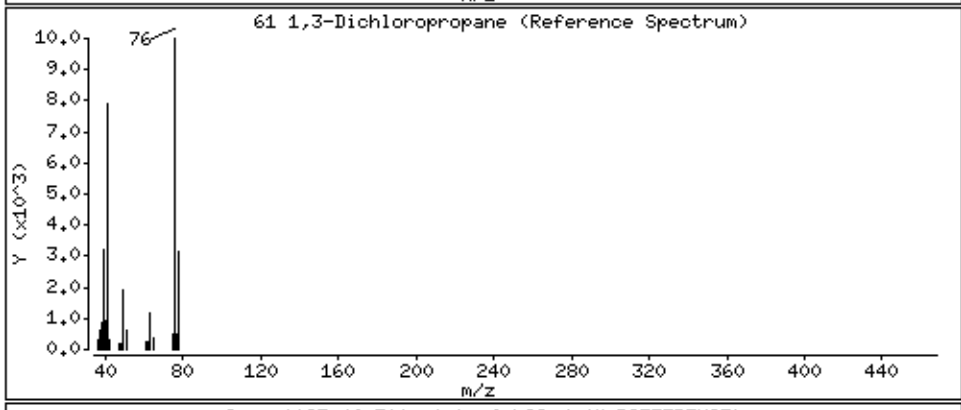
61 1,3-Dichloropropane

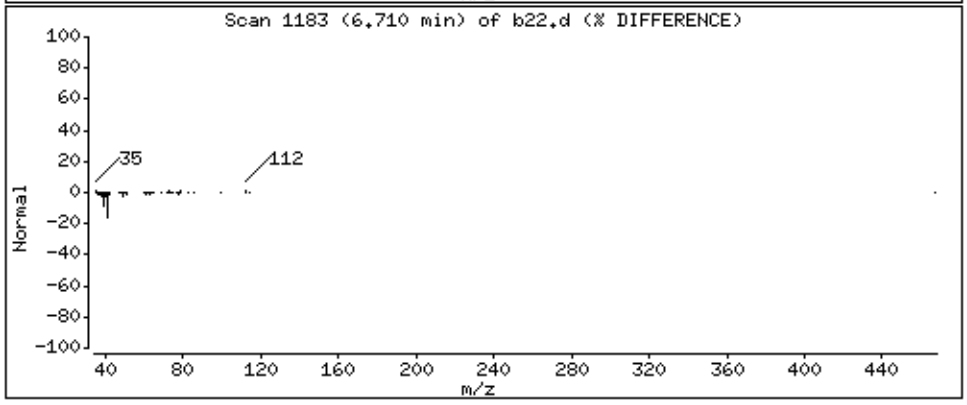
Concentration: 55.2 ppb

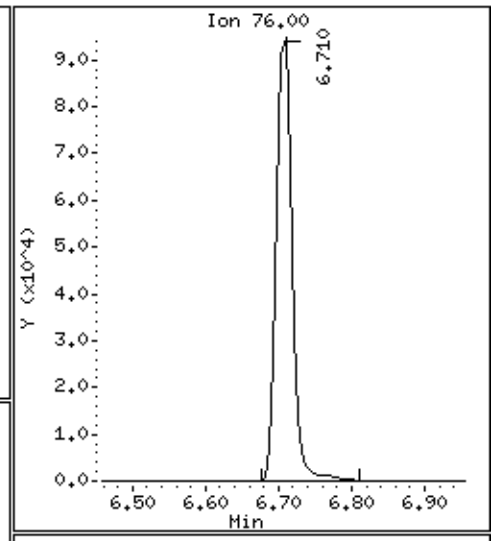
Review Code:

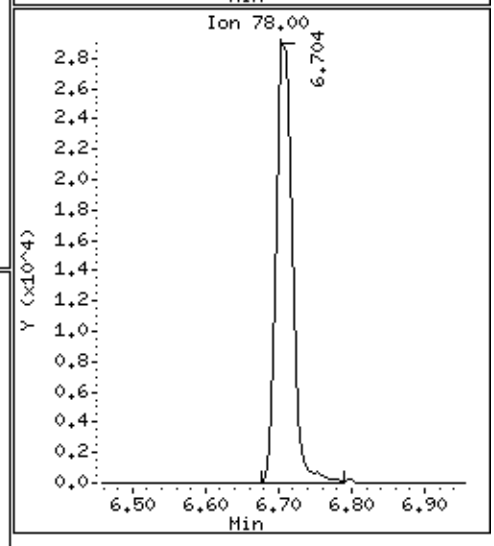












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

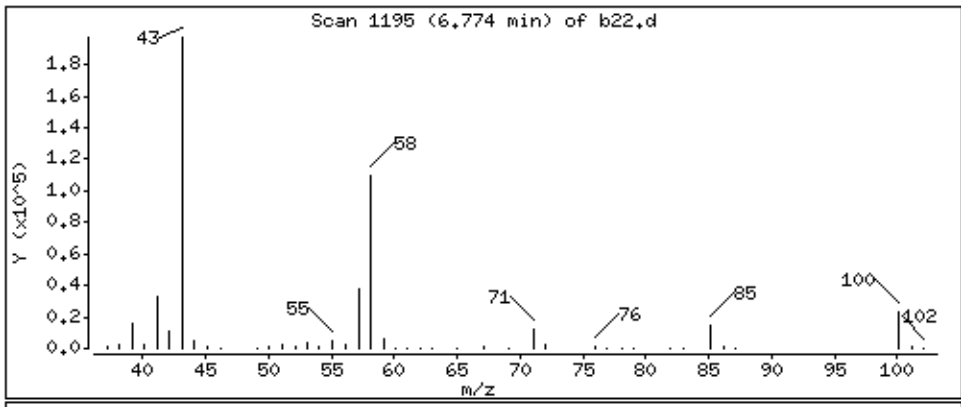
Column phase: DB-624

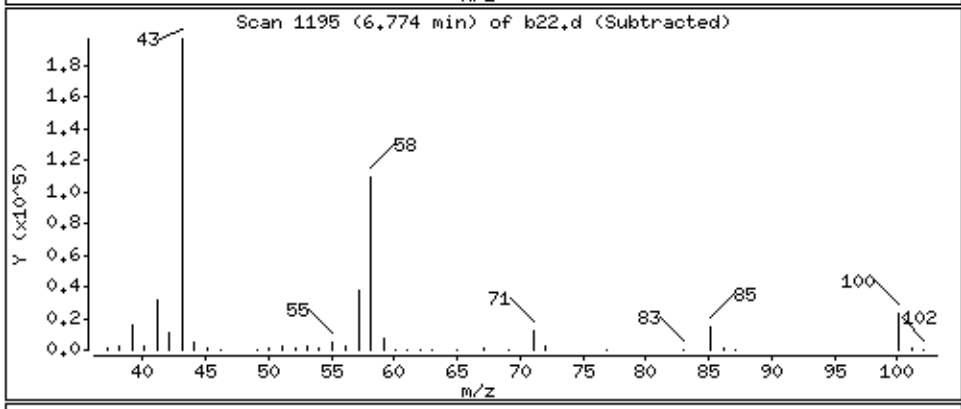
Column diameter: 0.18

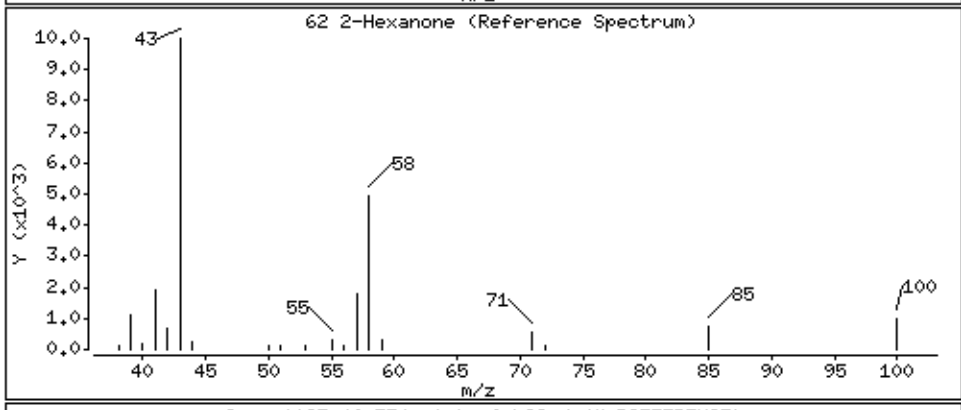
62 2-Hexanone

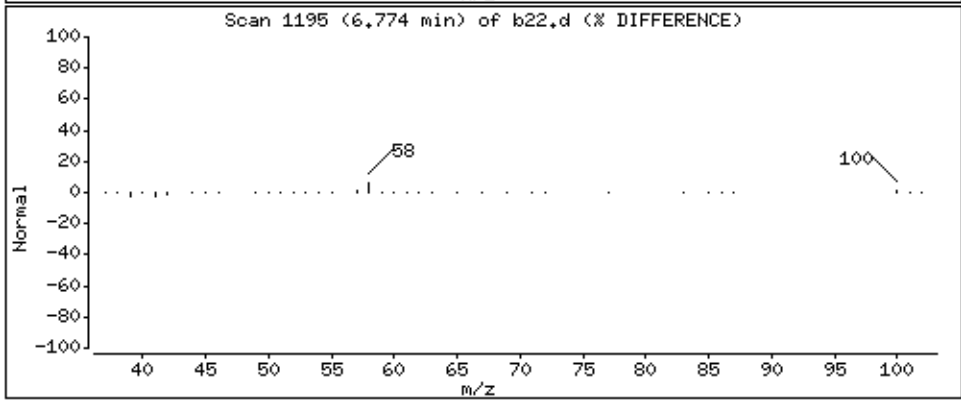
Concentration: 308 ppb

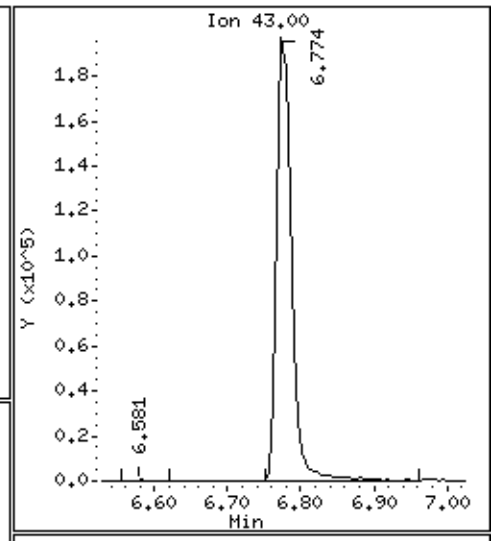
Review Code:

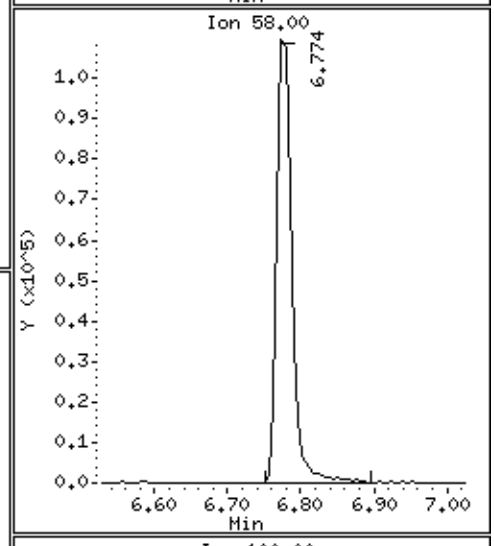


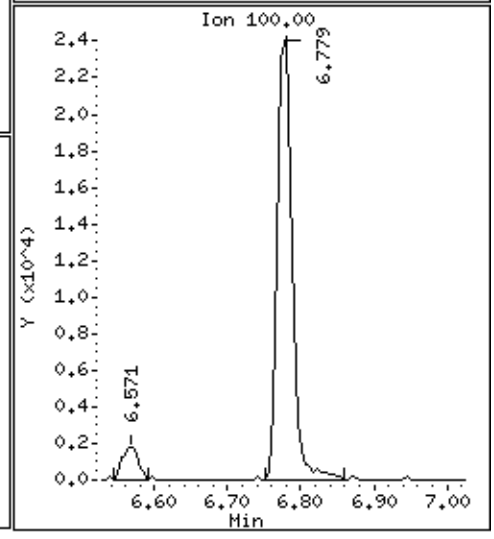












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

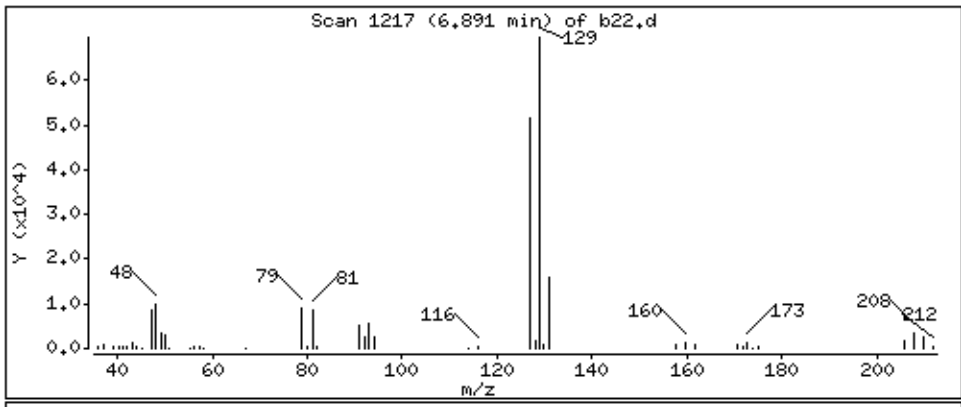
Column phase: DB-624

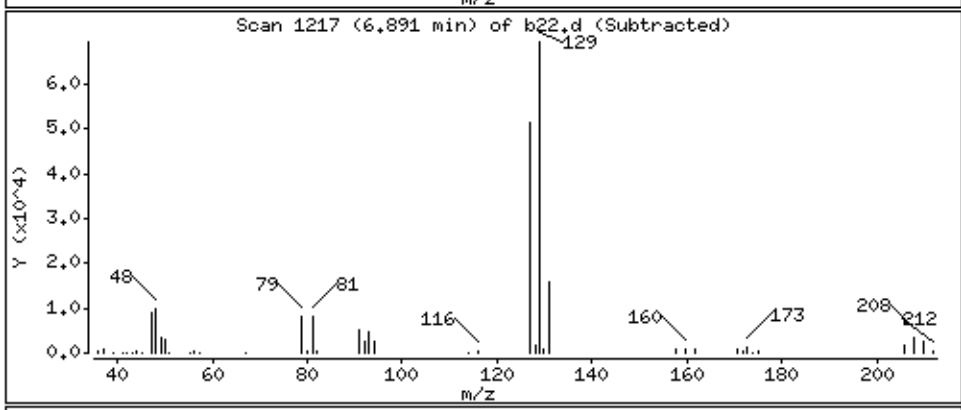
Column diameter: 0.18

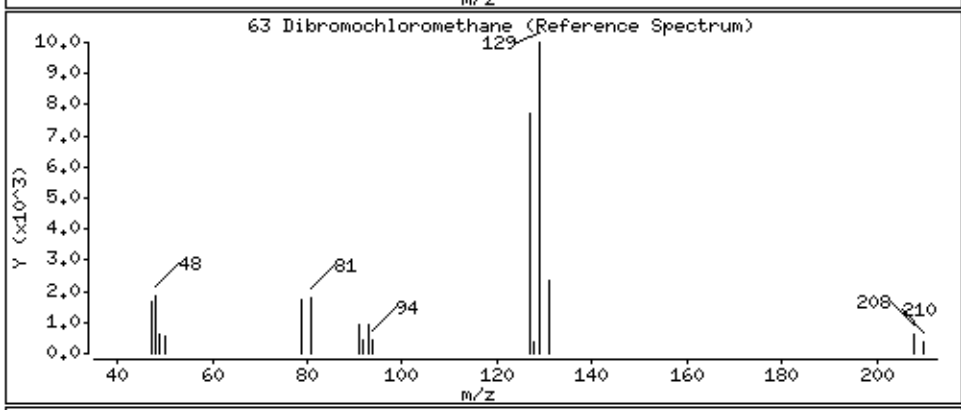
63 Dibromochloromethane

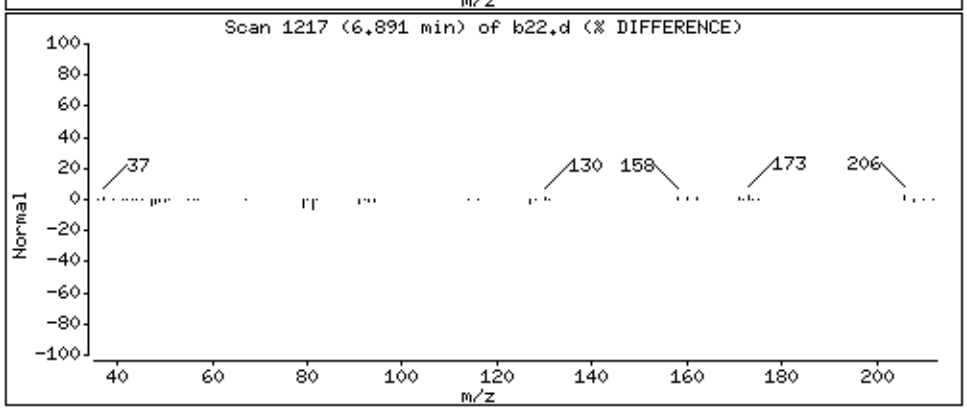
Concentration: 52.5 ppb

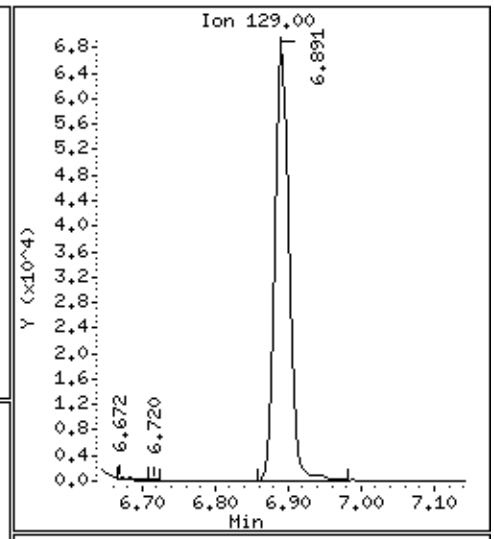
Review Code:

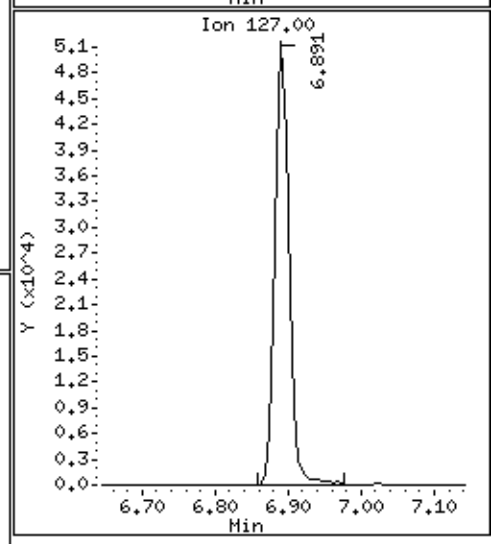












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

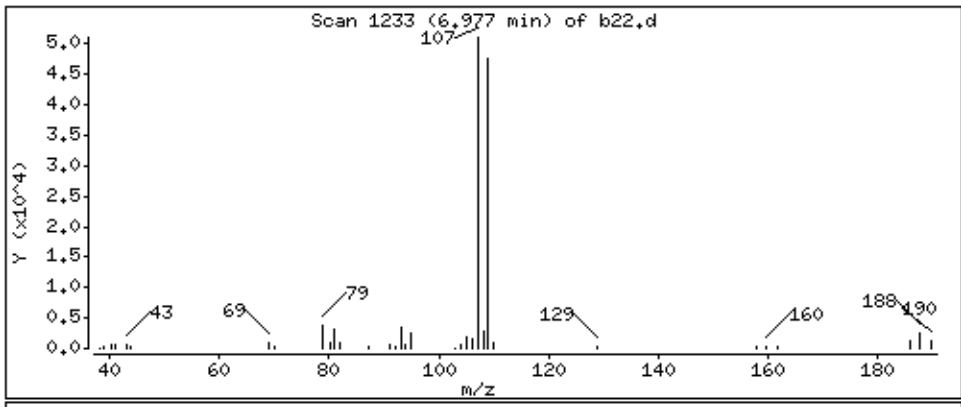
Column phase: DB-624

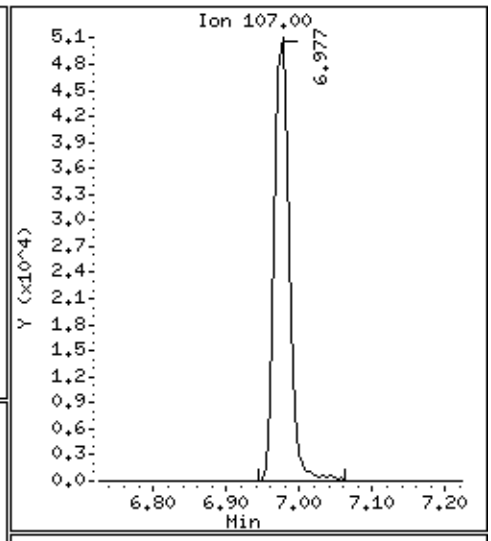
Column diameter: 0.18

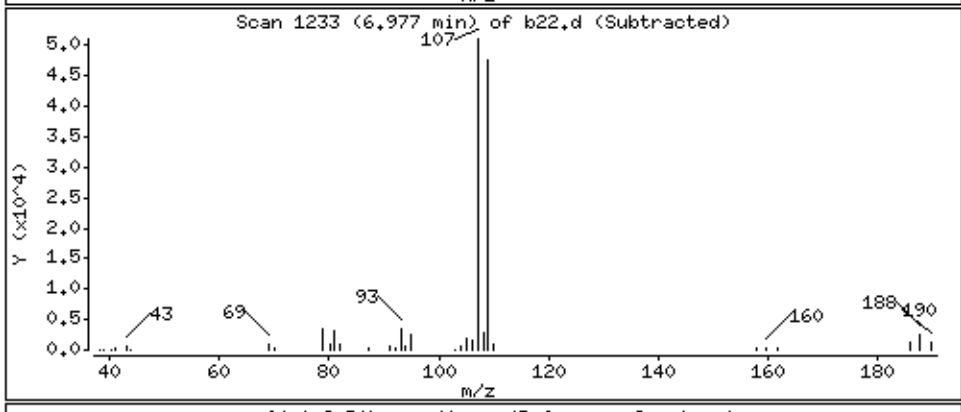
64 1,2-Dibromoethane

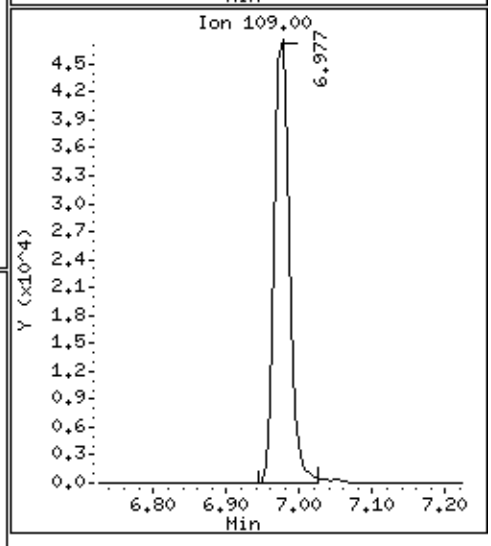
Concentration: 53.4 ppb

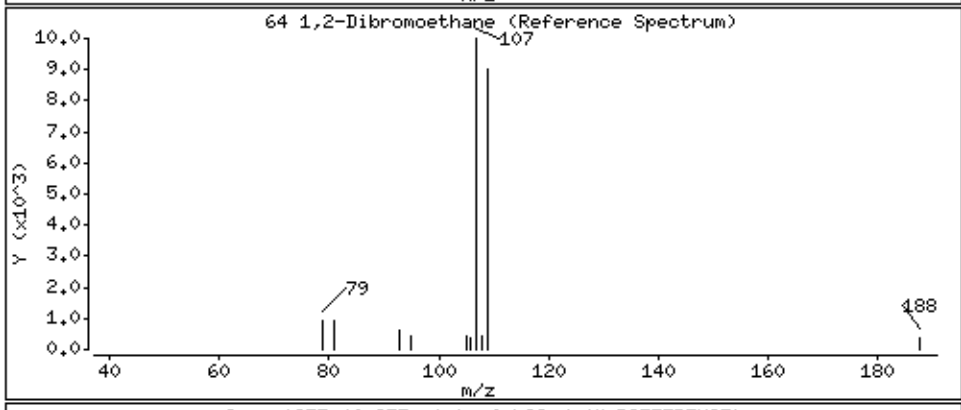
Review Code:

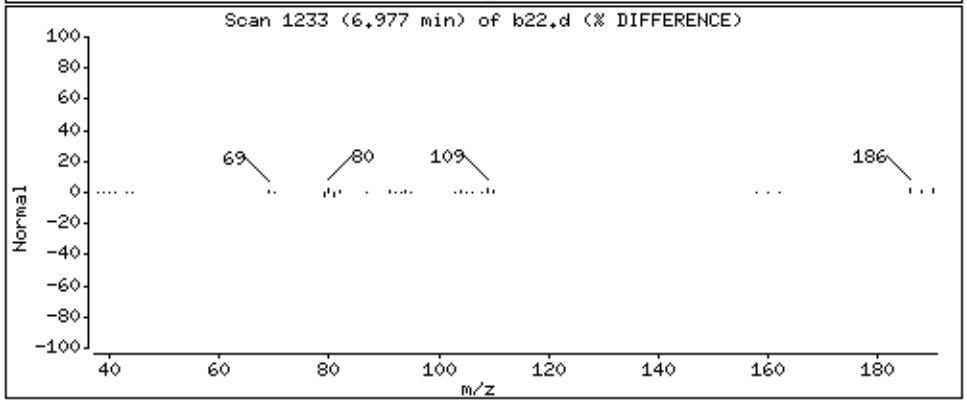












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

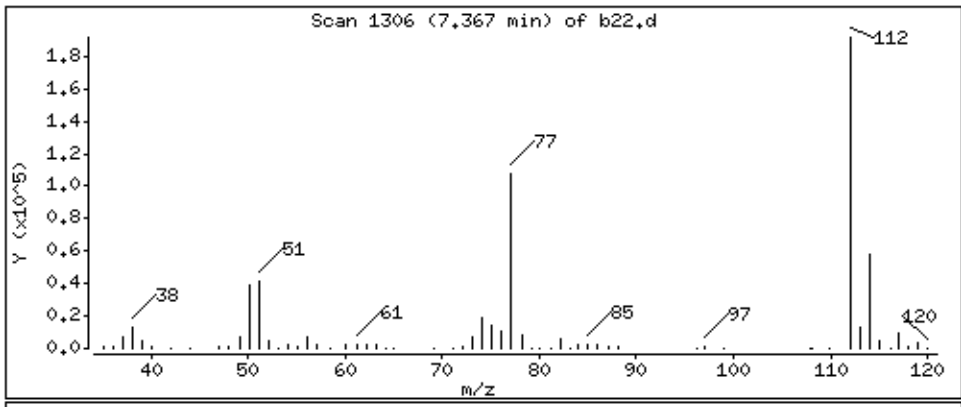
Column phase: DB-624

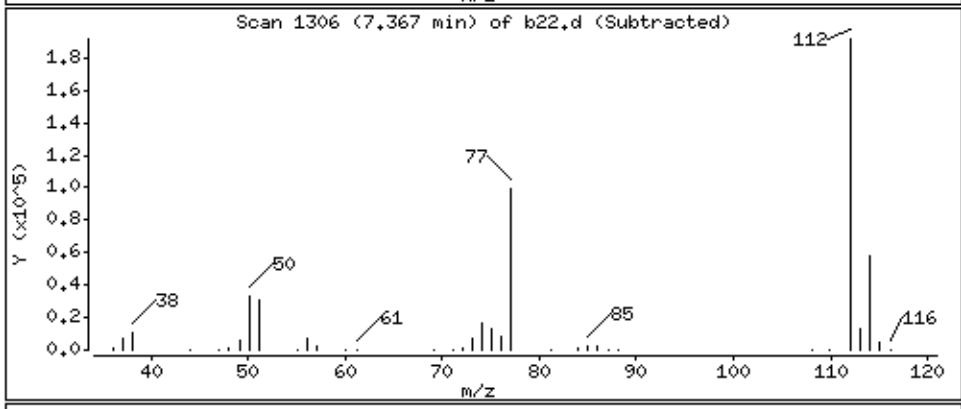
Column diameter: 0.18

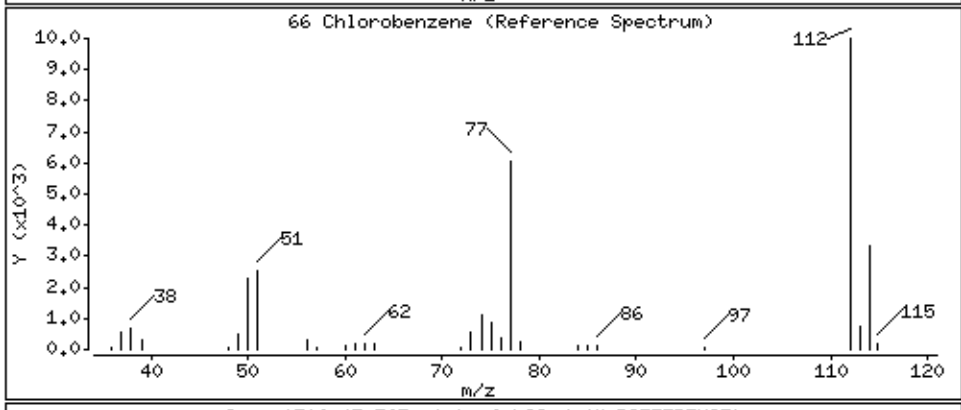
66 Chlorobenzene

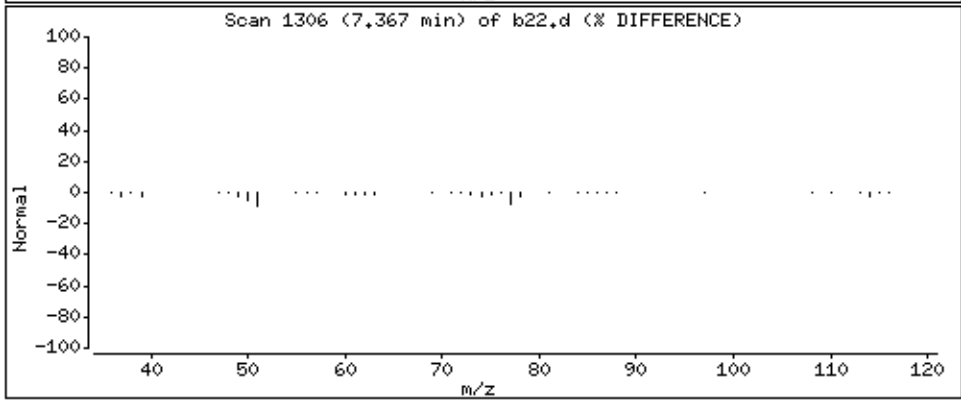
Concentration: 38.6 ppb

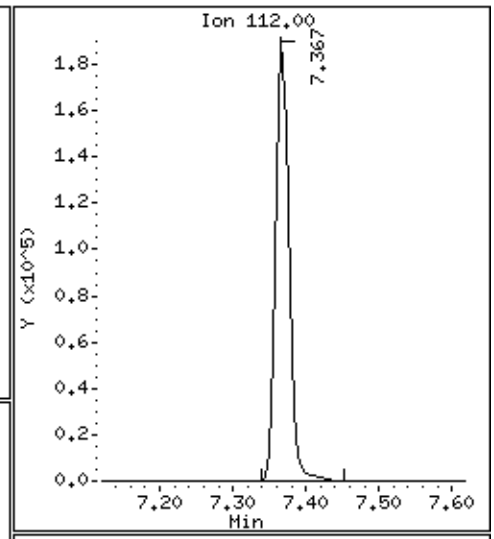
Review Code:

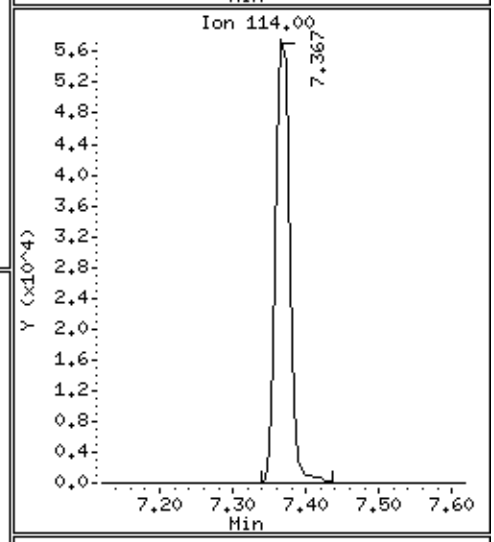


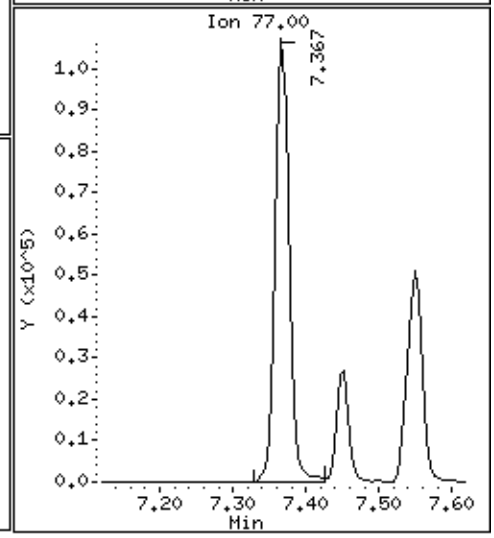












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

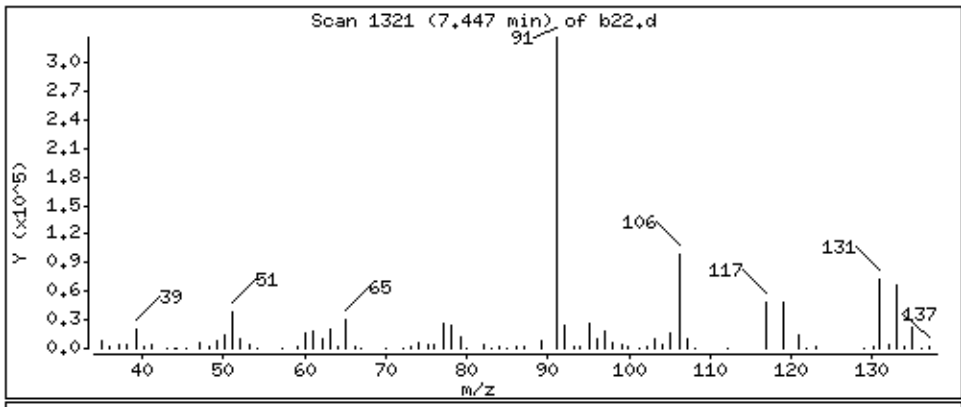
Column phase: DB-624

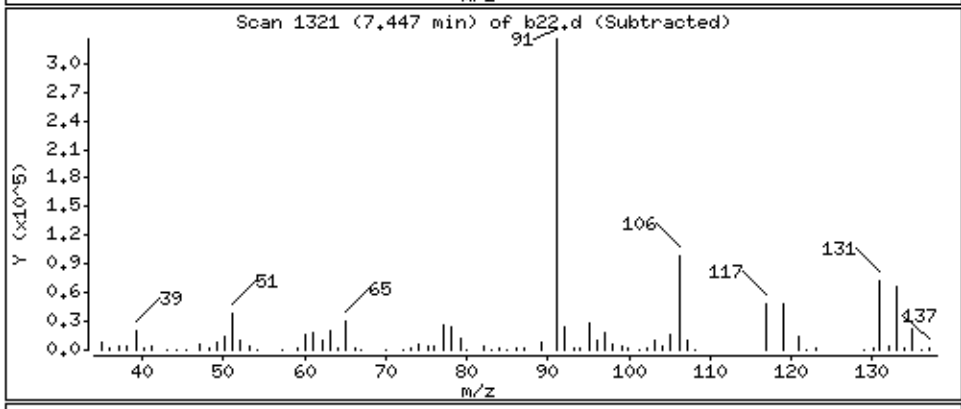
Column diameter: 0.18

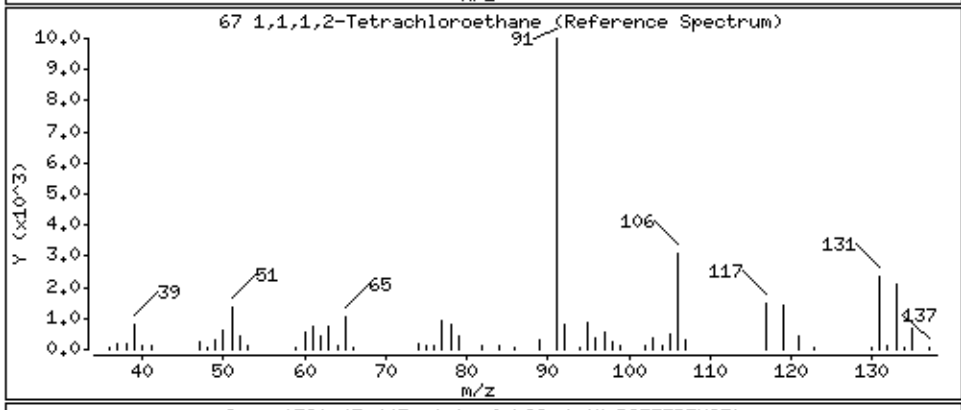
67 1,1,1,2-Tetrachloroethane

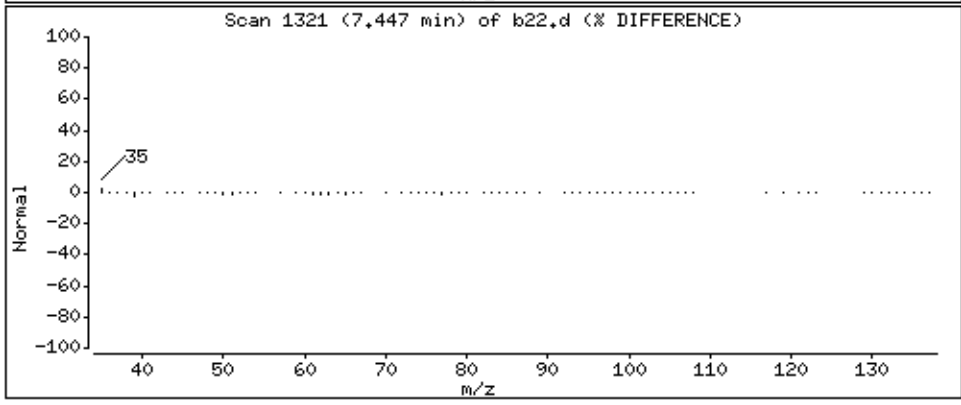
Concentration: 47.0 ppb

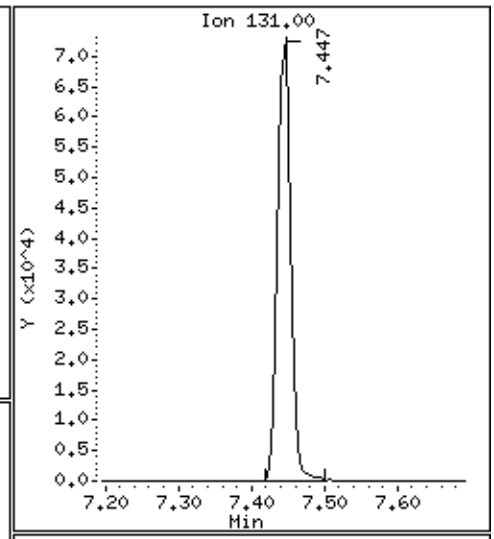
Review Code:

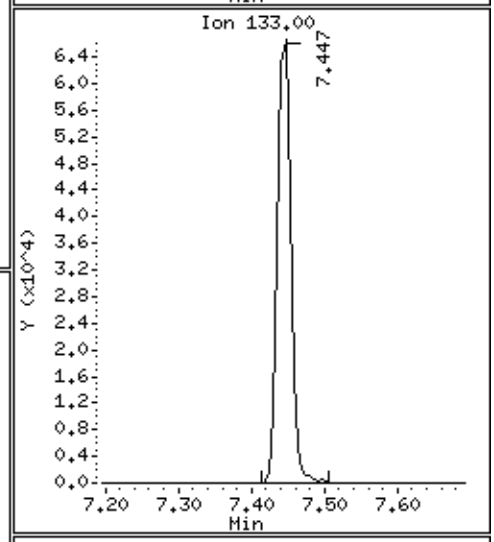


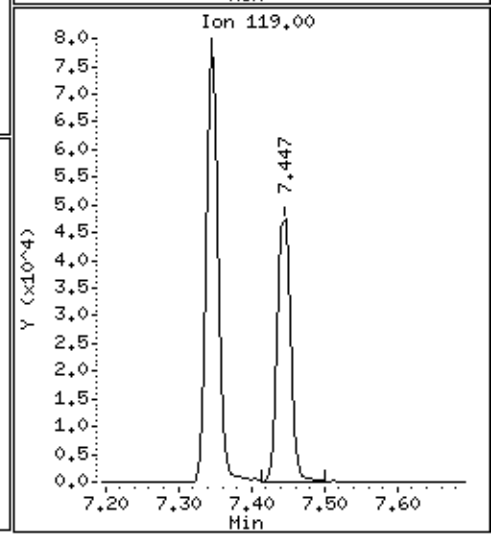












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

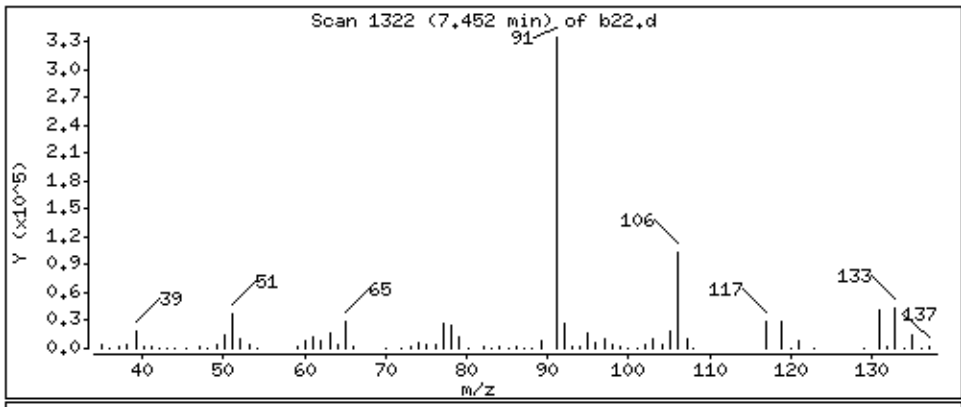
Column phase: DB-624

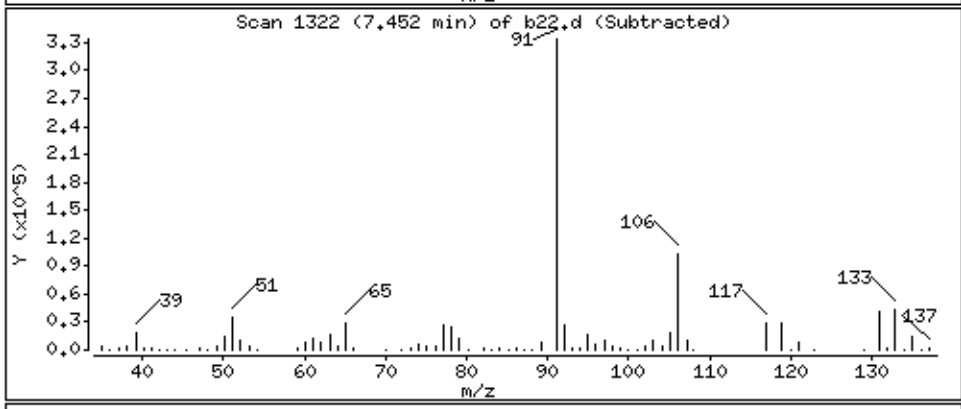
Column diameter: 0.18

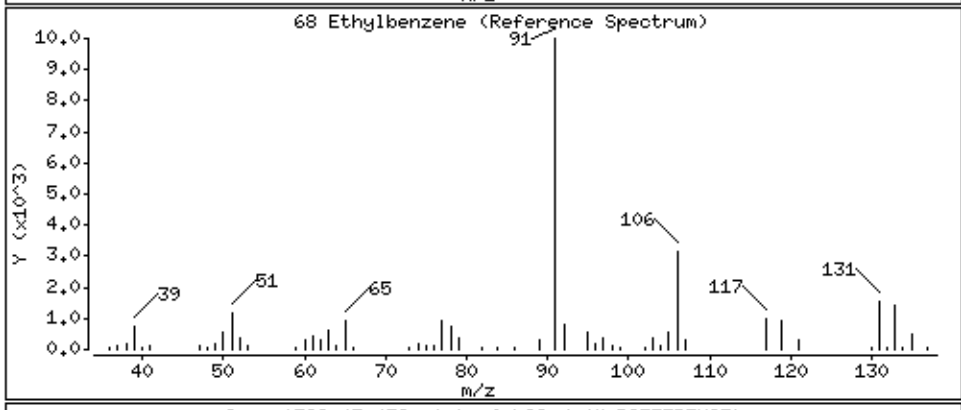
68 Ethylbenzene

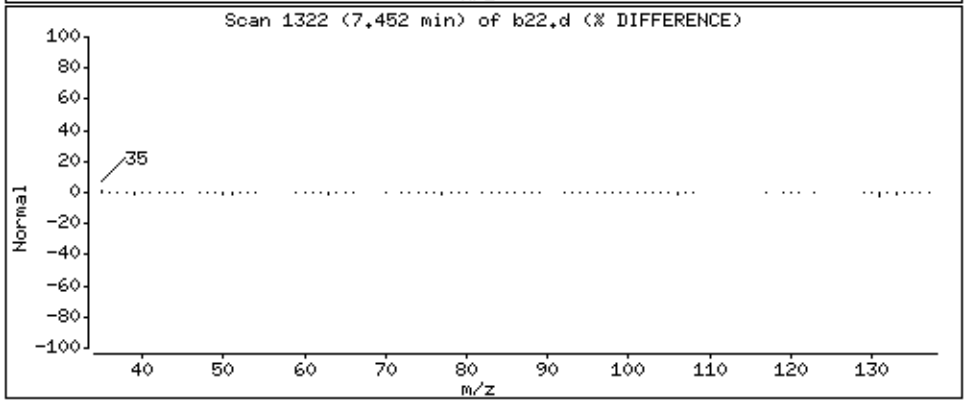
Concentration: 37.8 ppb

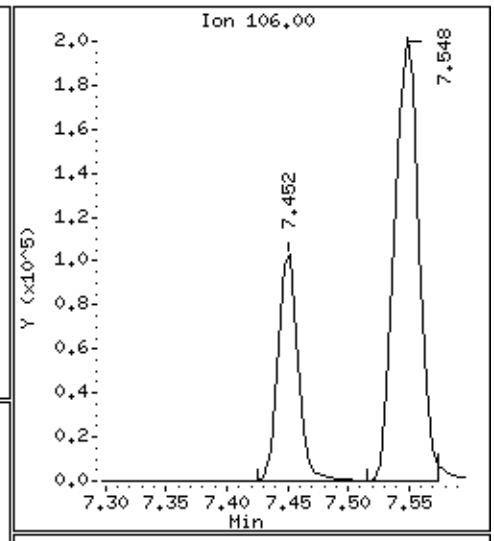
Review Code:

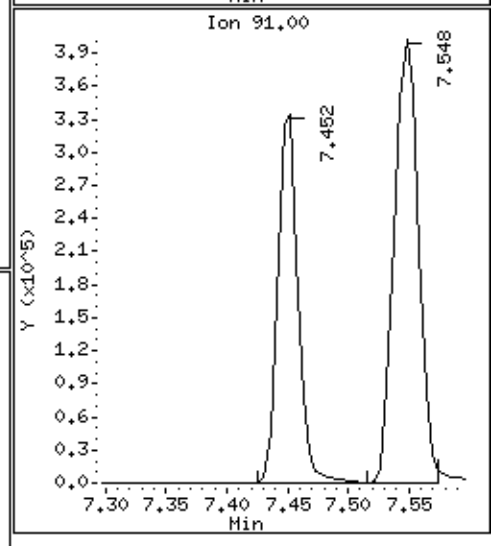












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

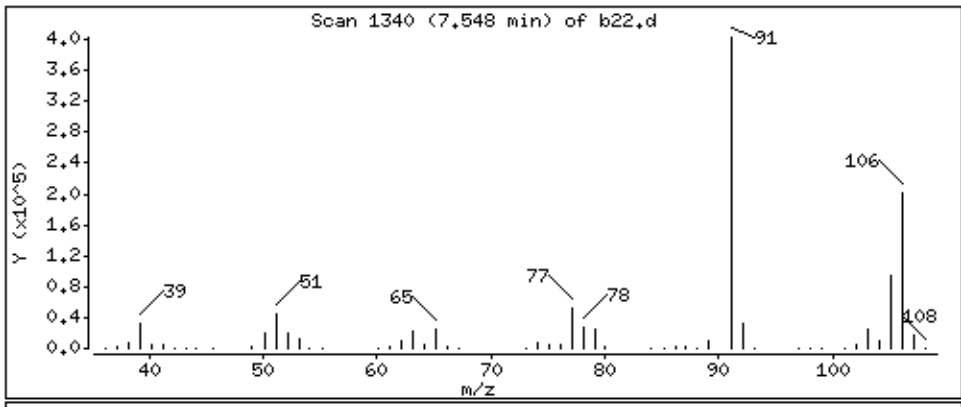
Column phase: DB-624

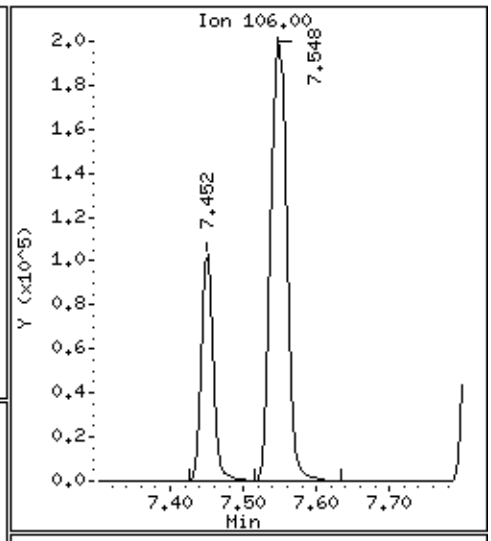
Column diameter: 0.18

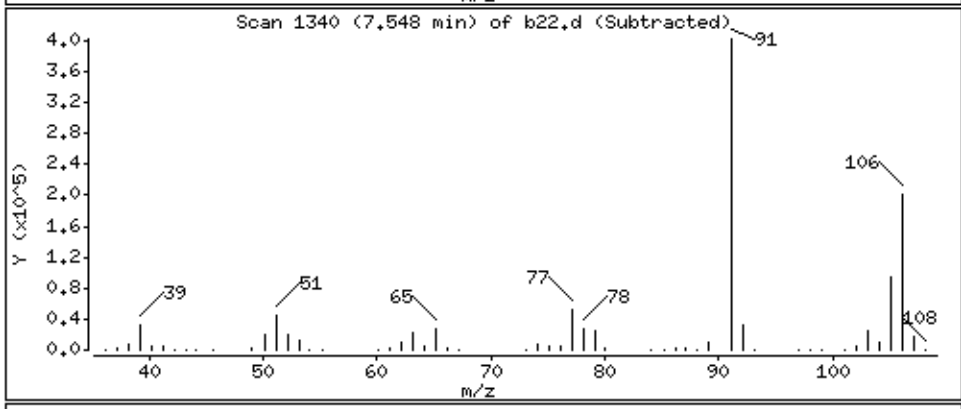
69 m&p-Xylene

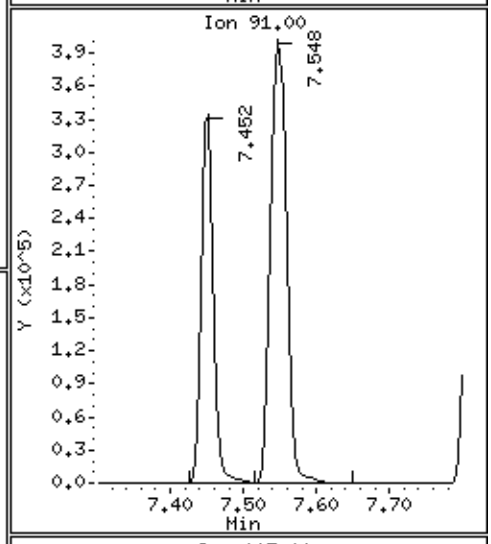
Concentration: 73.3 ppb

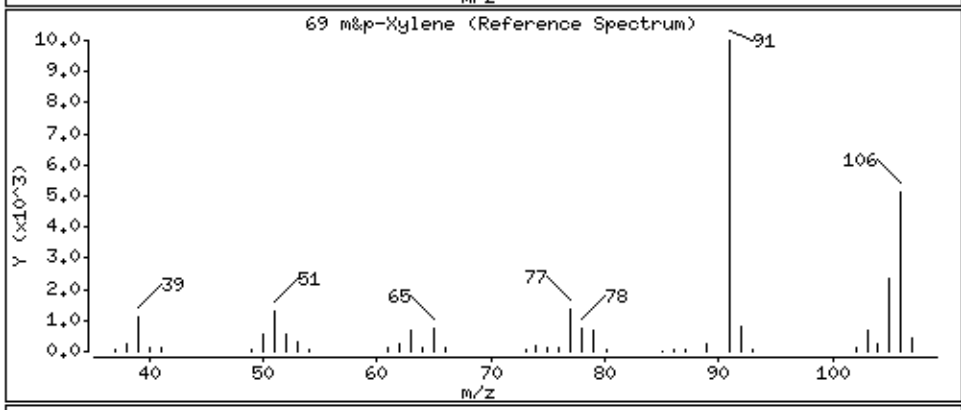
Review Code:

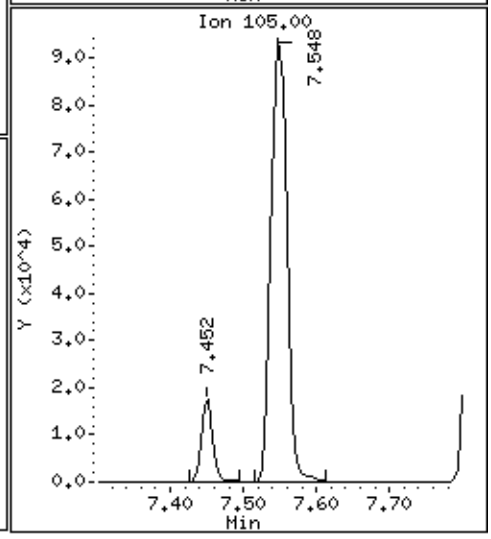


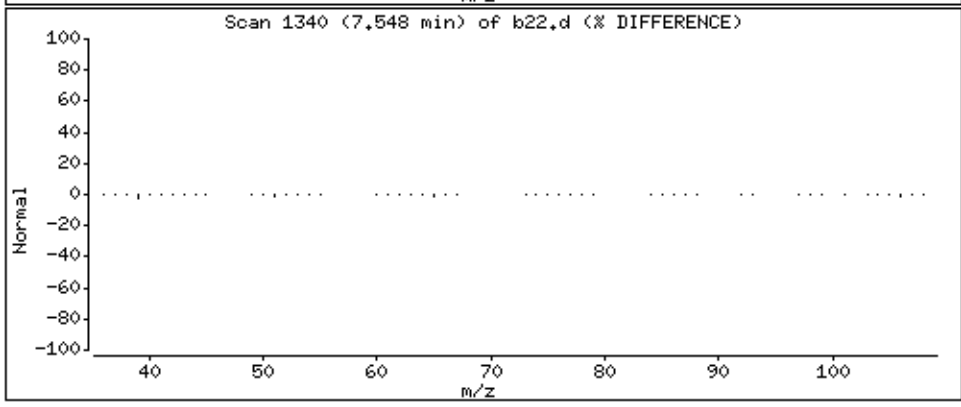












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

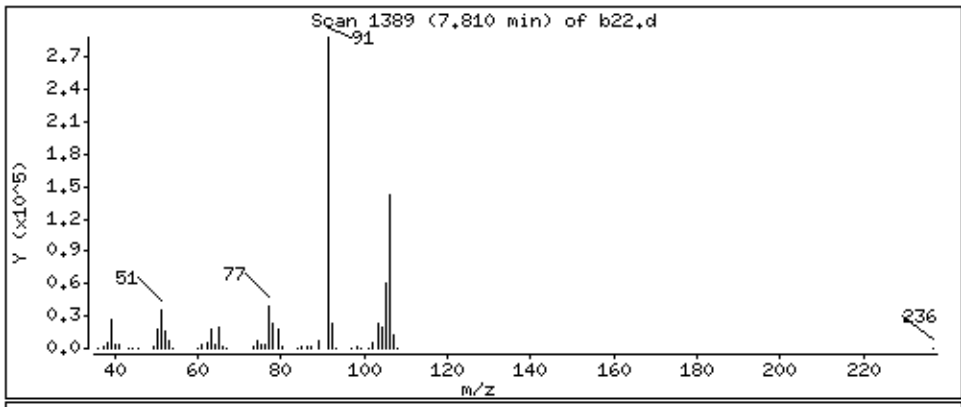
Column phase: DB-624

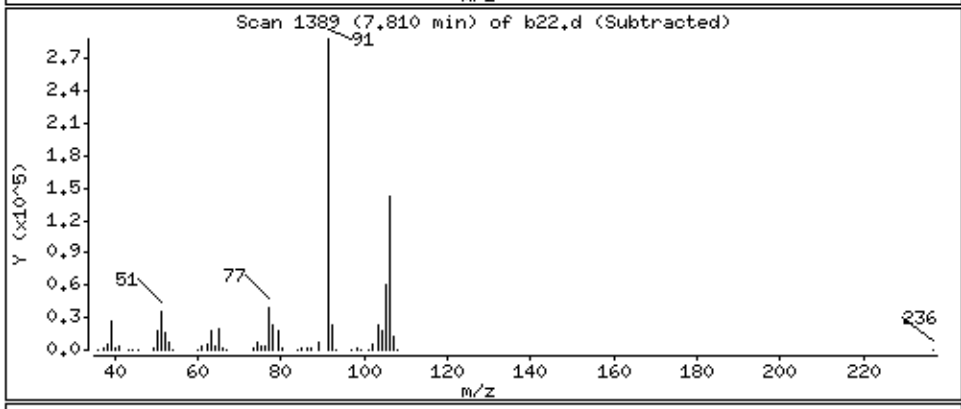
Column diameter: 0.18

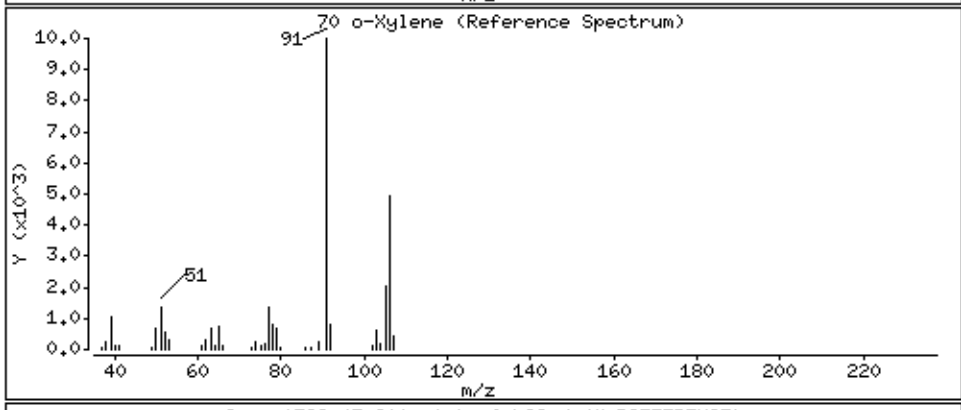
70 o-Xylene

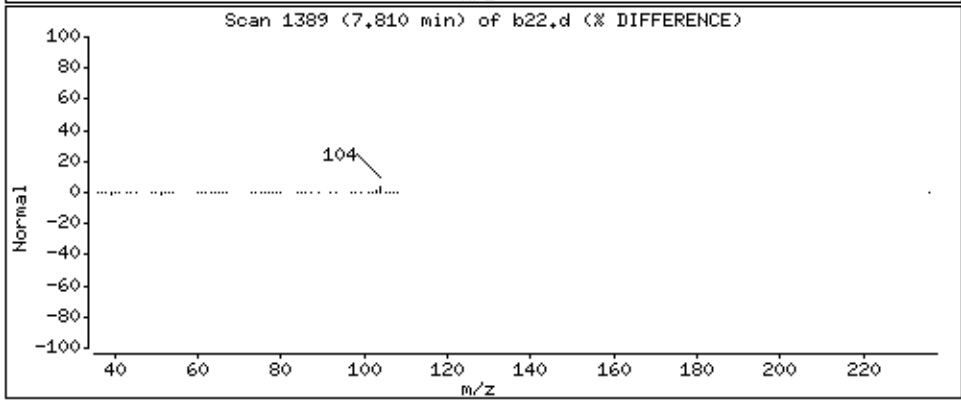
Concentration: 40.1 ppb

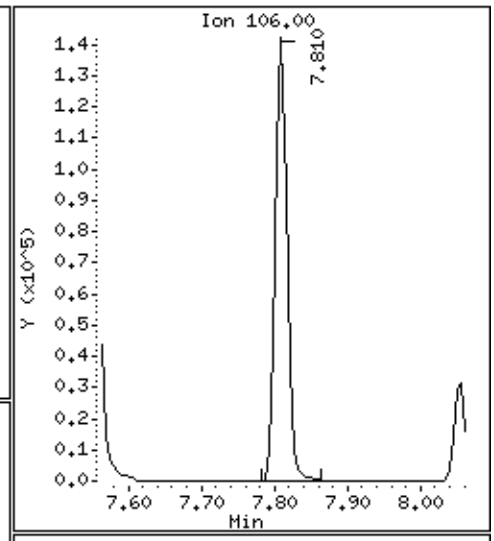
Review Code:

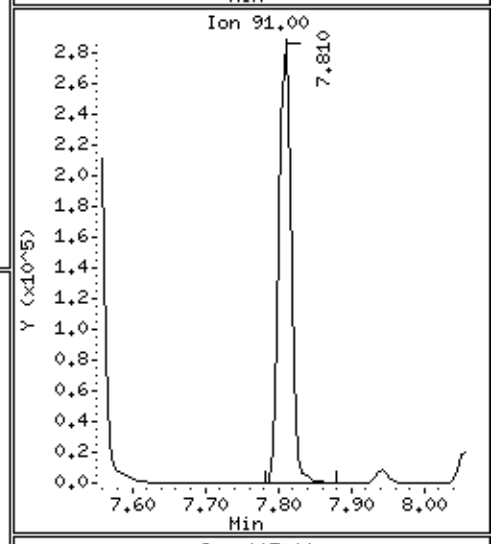


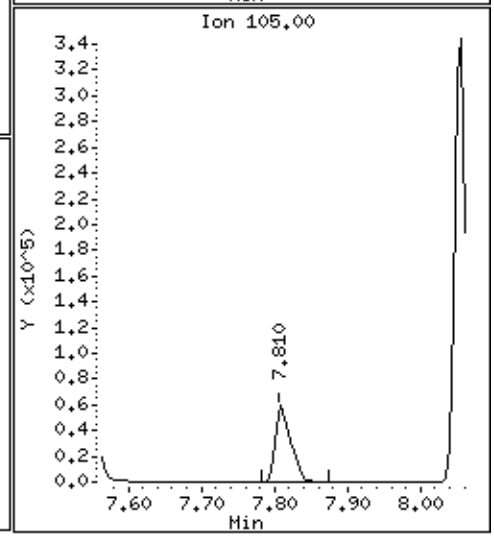












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

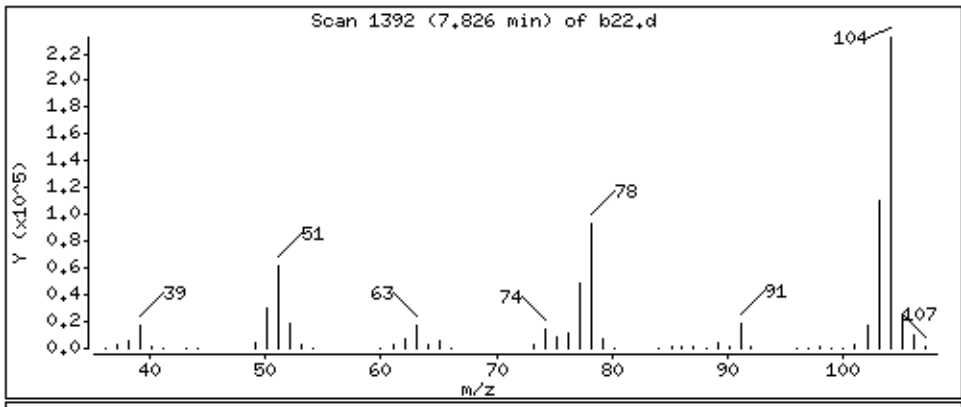
Column phase: DB-624

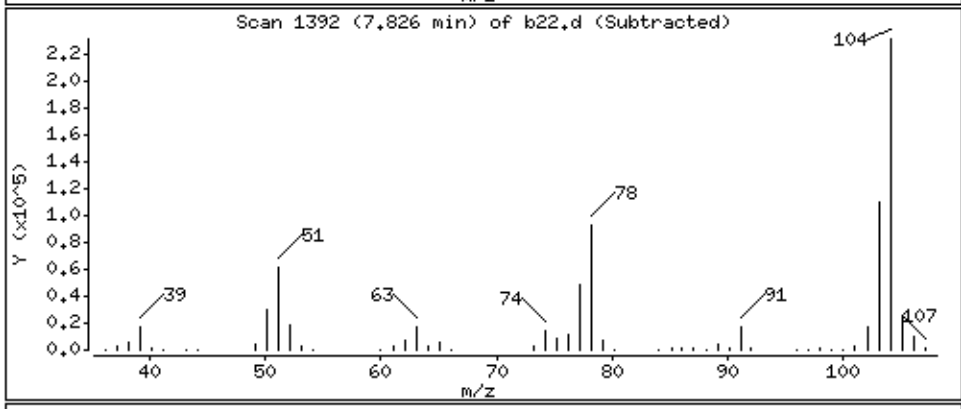
Column diameter: 0.18

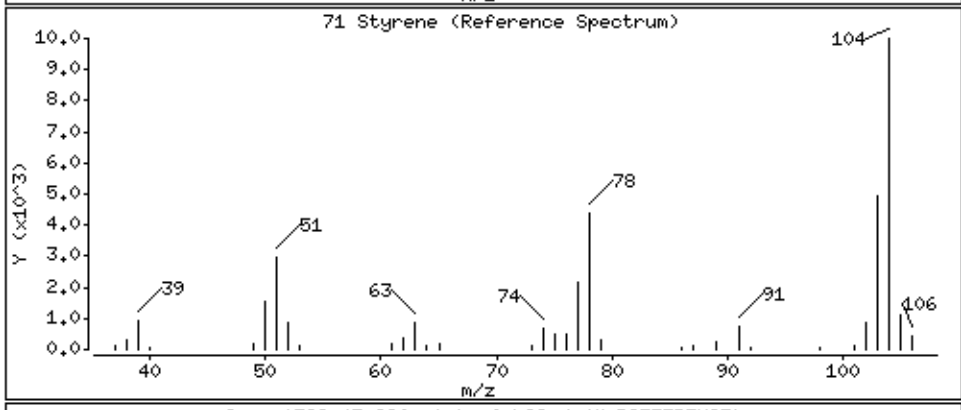
71 Styrene

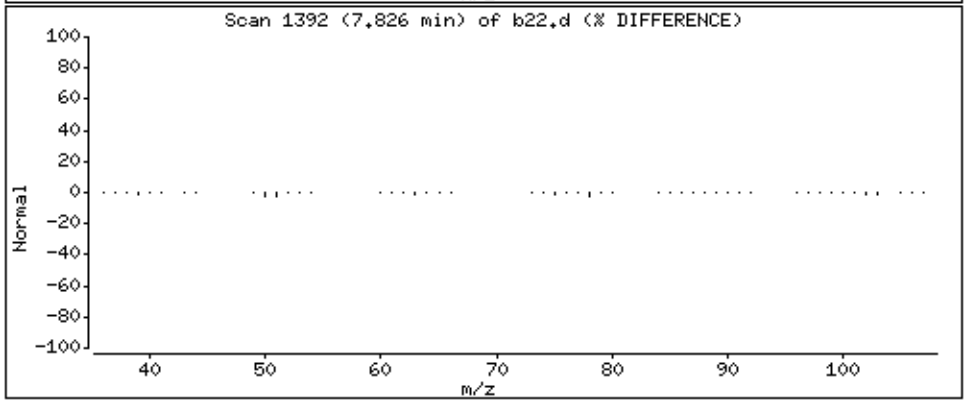
Concentration: 40.1 ppb

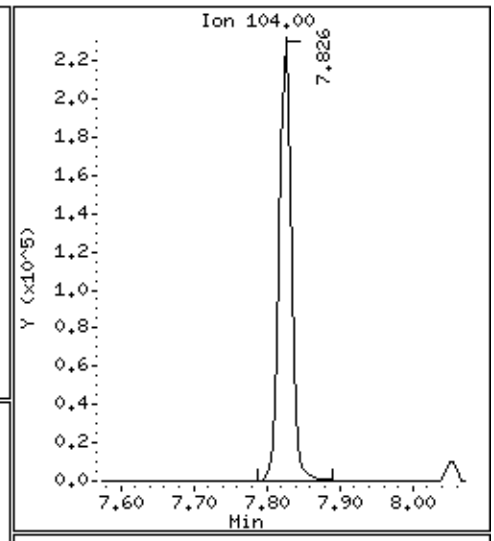
Review Code:

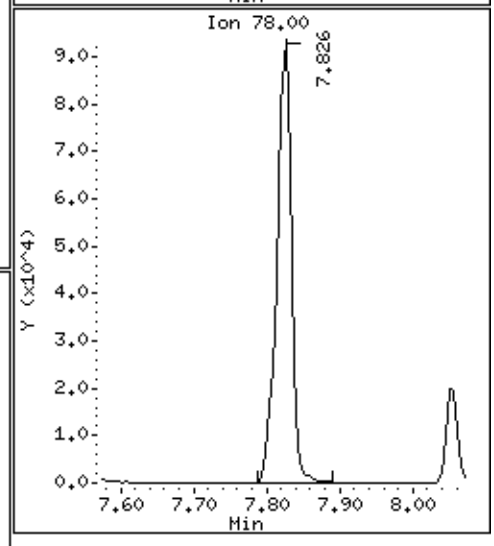












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

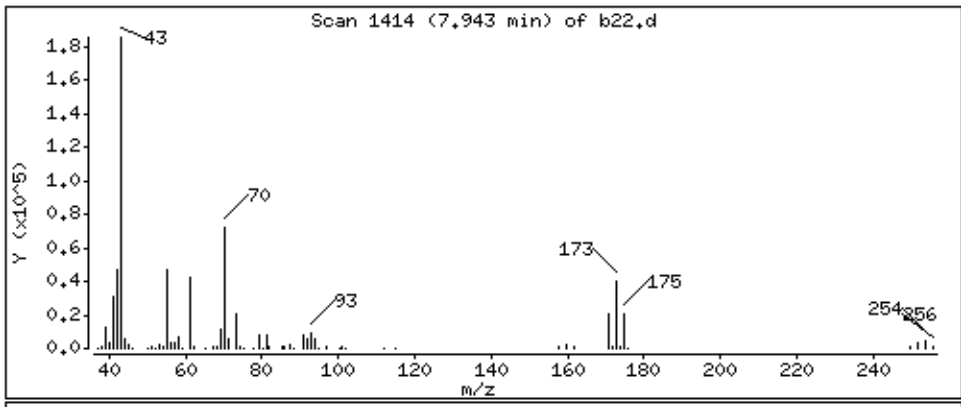
Column phase: DB-624

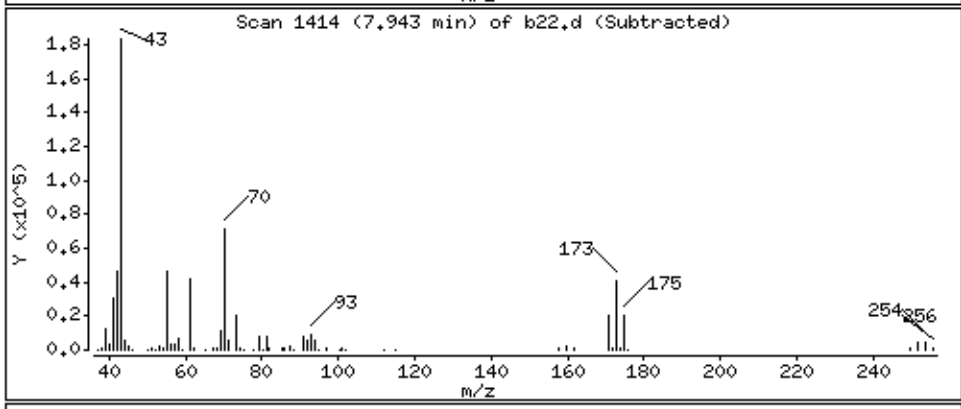
Column diameter: 0.18

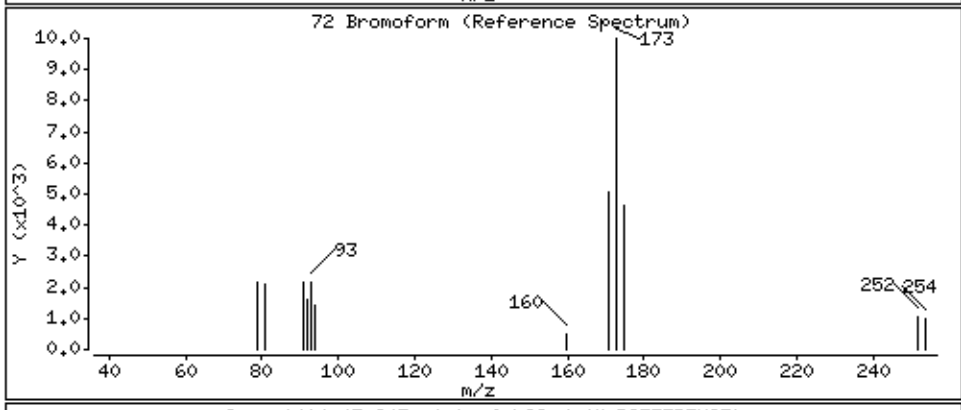
72 Bromoform

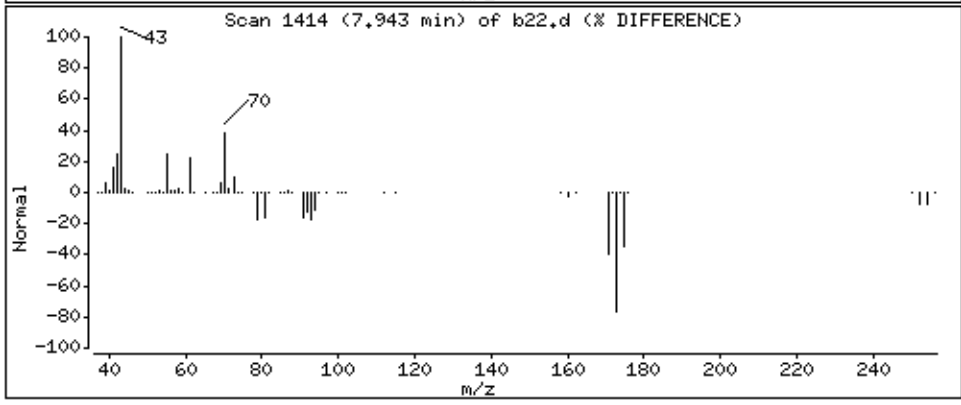
Concentration: 48.9 ppb

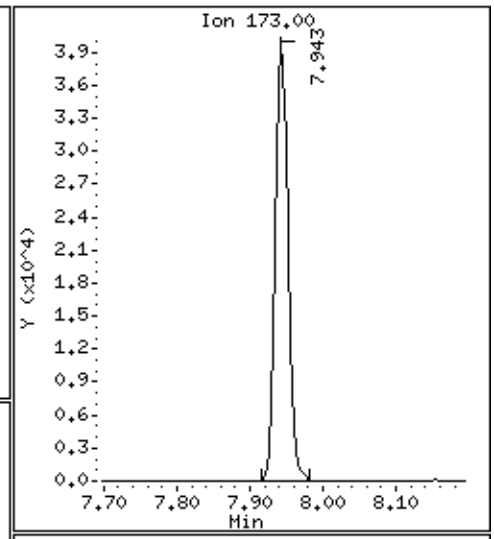
Review Code:

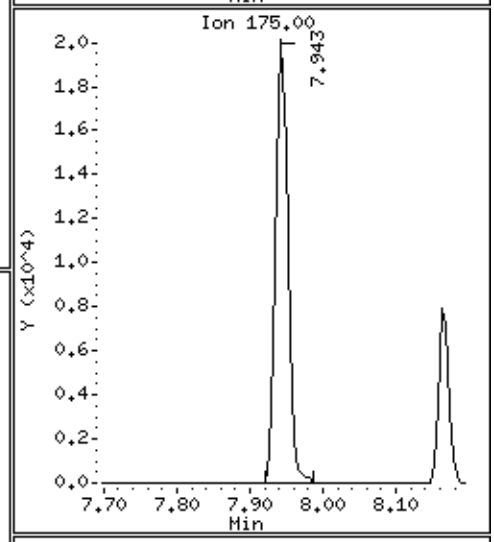


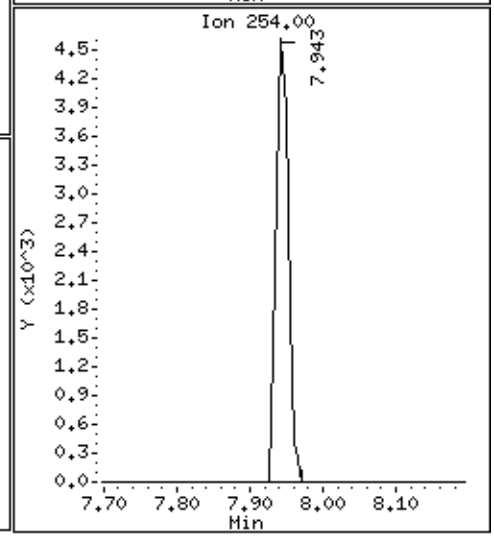












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

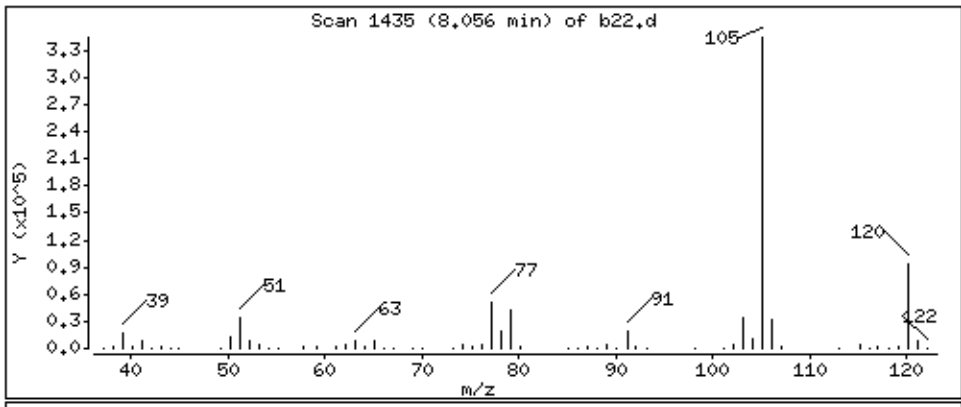
Column phase: DB-624

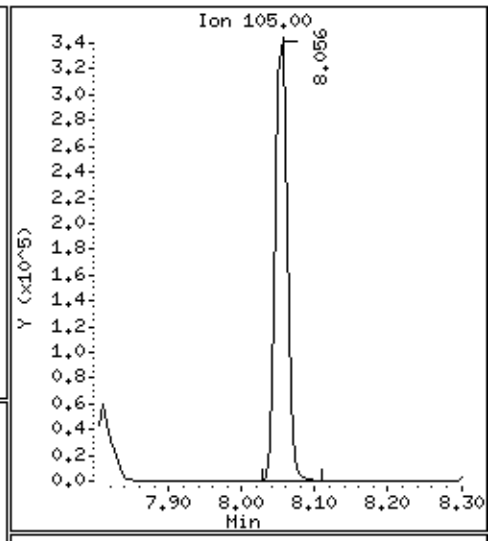
Column diameter: 0.18

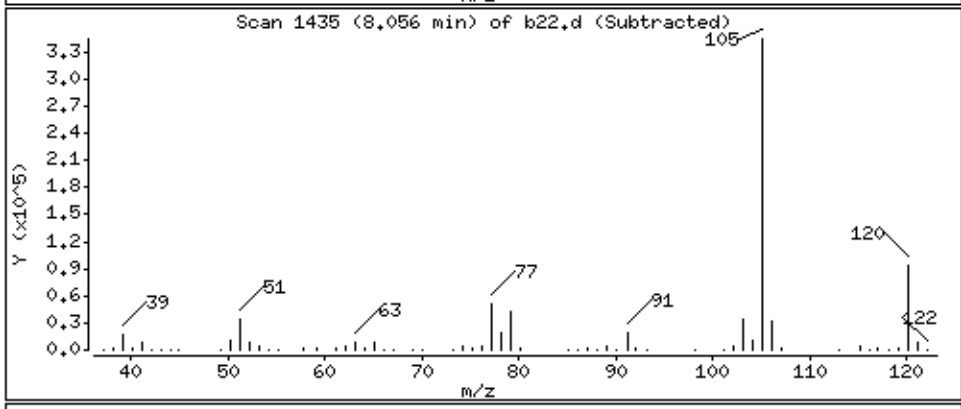
73 Isopropylbenzene

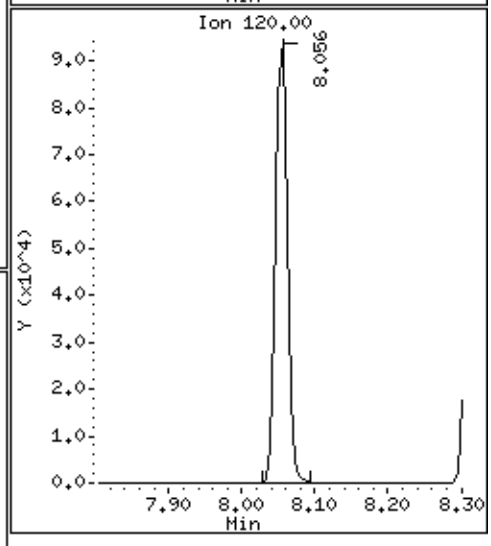
Concentration: 34.0 ppb

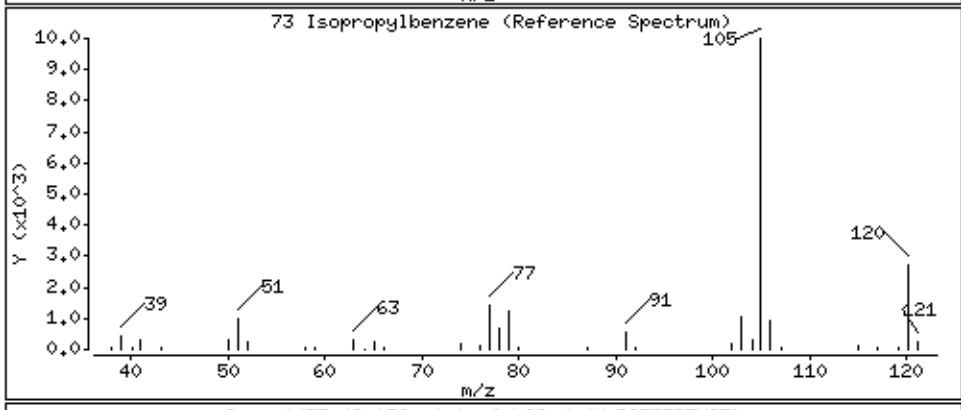
Review Code:

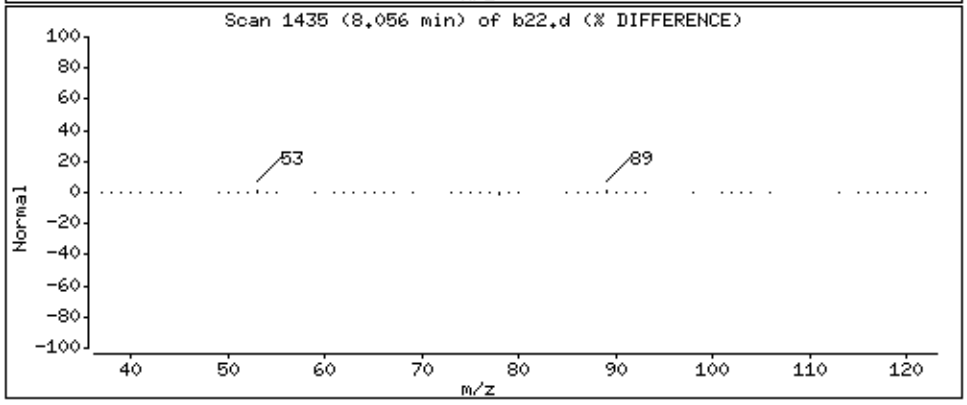












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

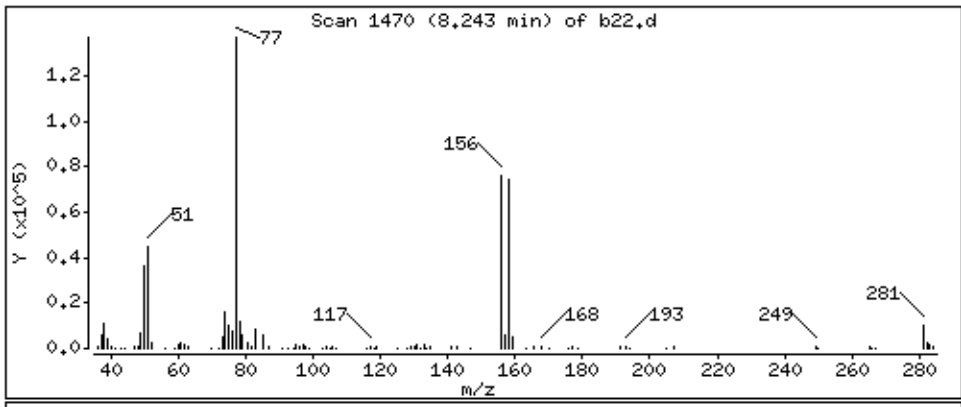
Column phase: DB-624

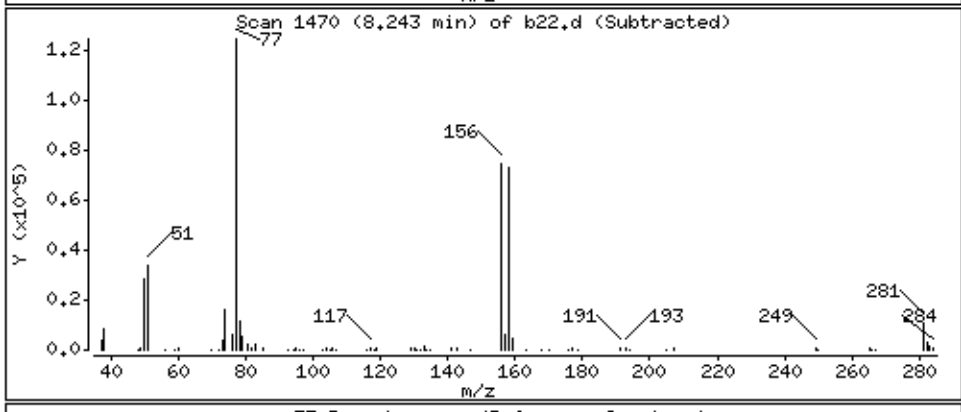
Column diameter: 0.18

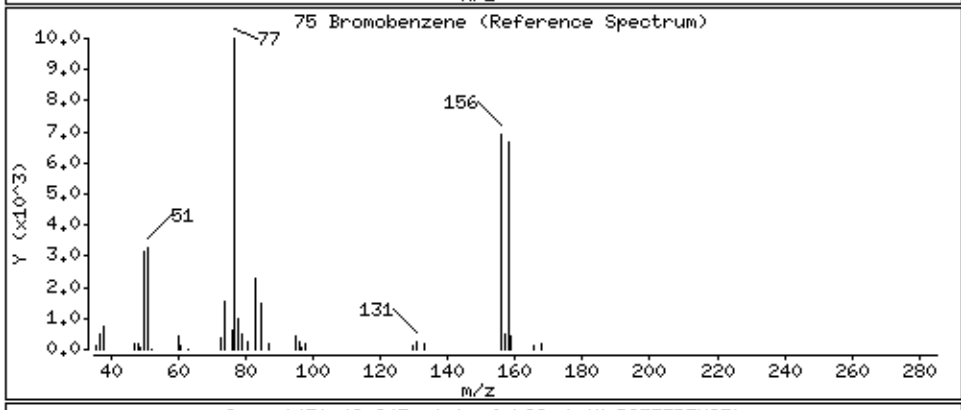
75 Bromobenzene

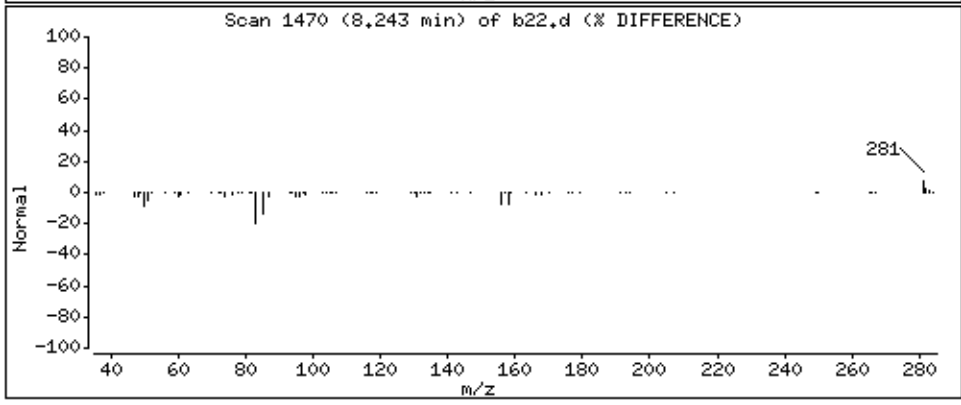
Concentration: 40.1 ppb

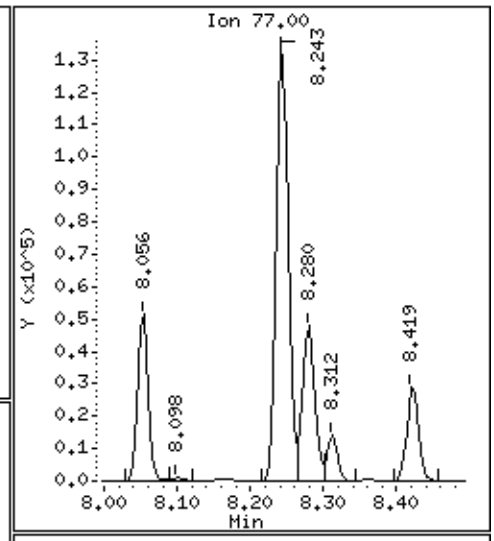
Review Code:

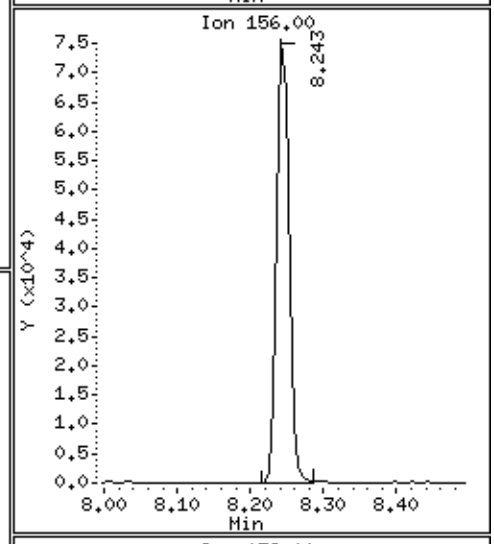


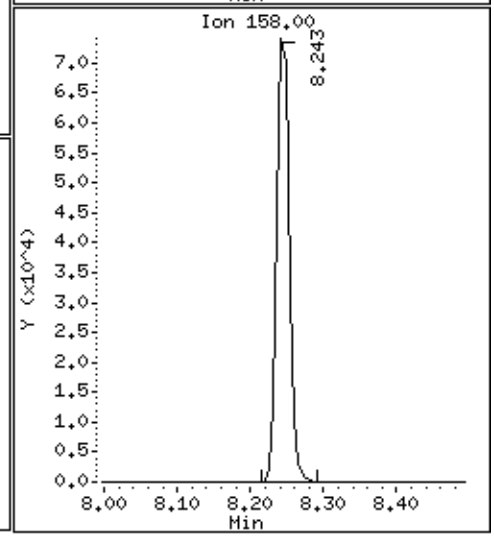












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

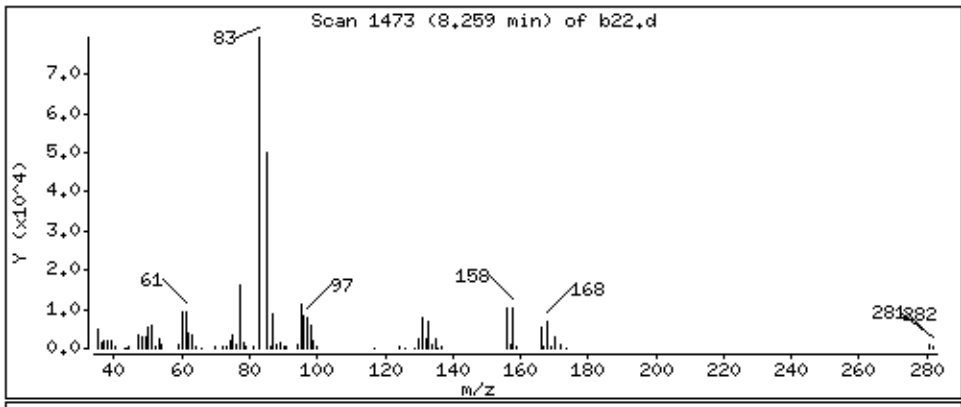
Column phase: DB-624

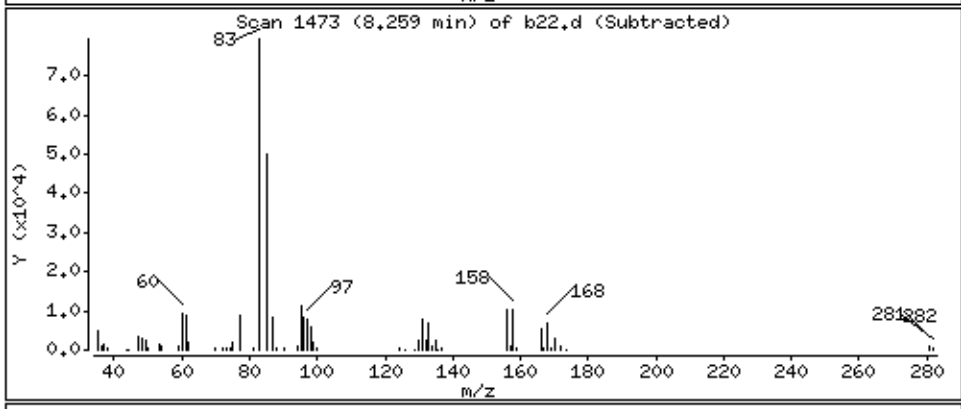
Column diameter: 0.18

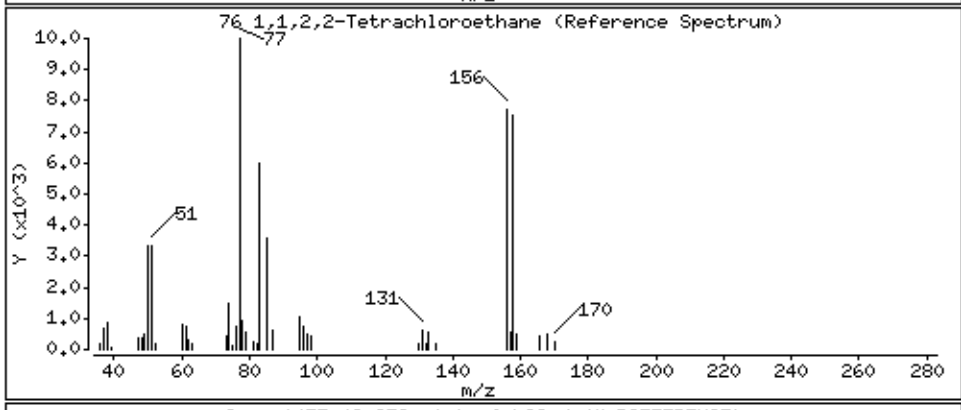
76 1,1,2,2-Tetrachloroethane

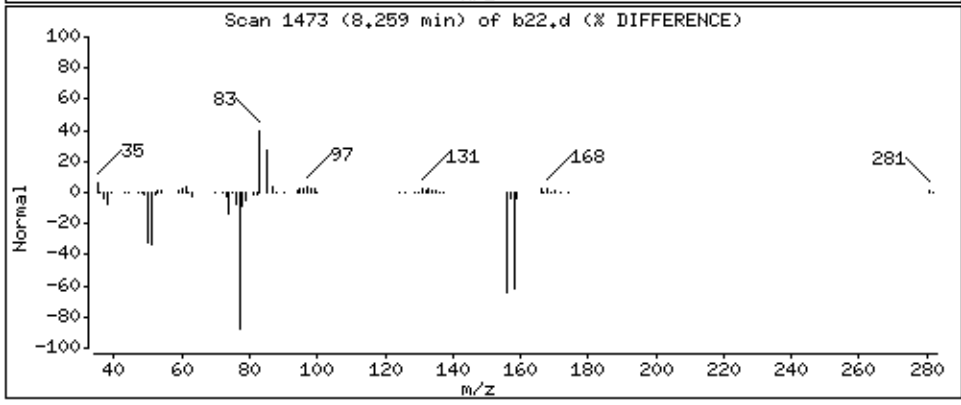
Concentration: 54.8 ppb

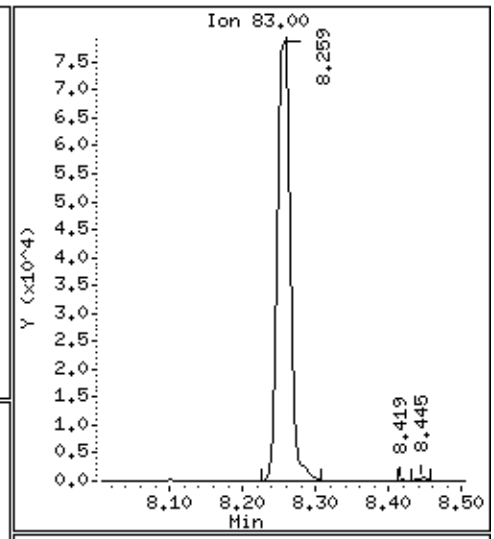
Review Code:

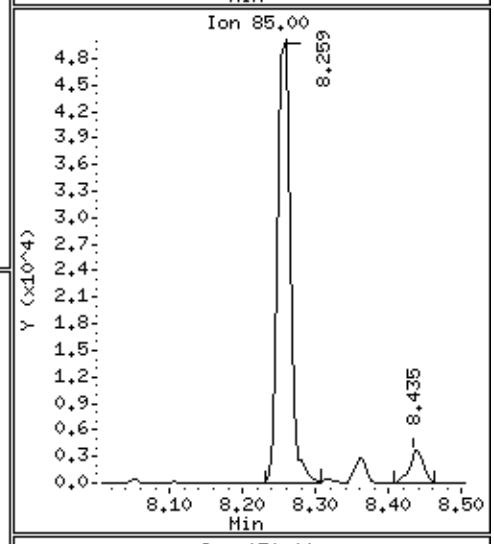


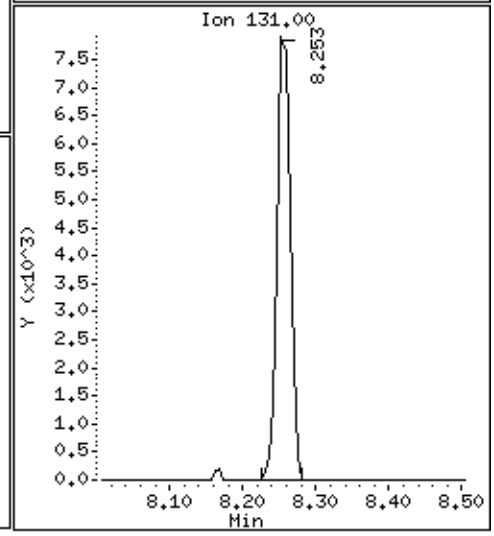












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

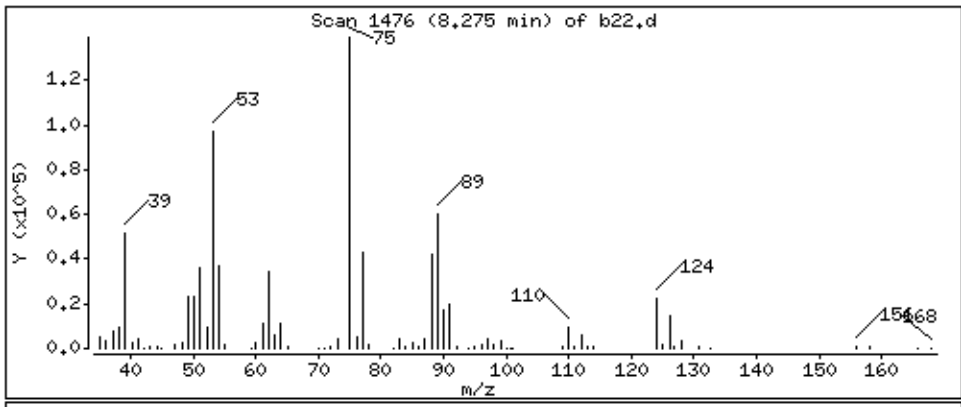
Column phase: DB-624

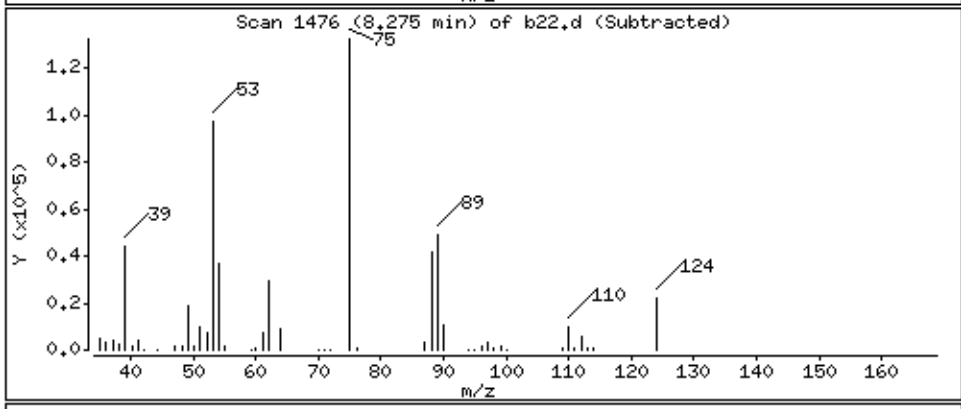
Column diameter: 0.18

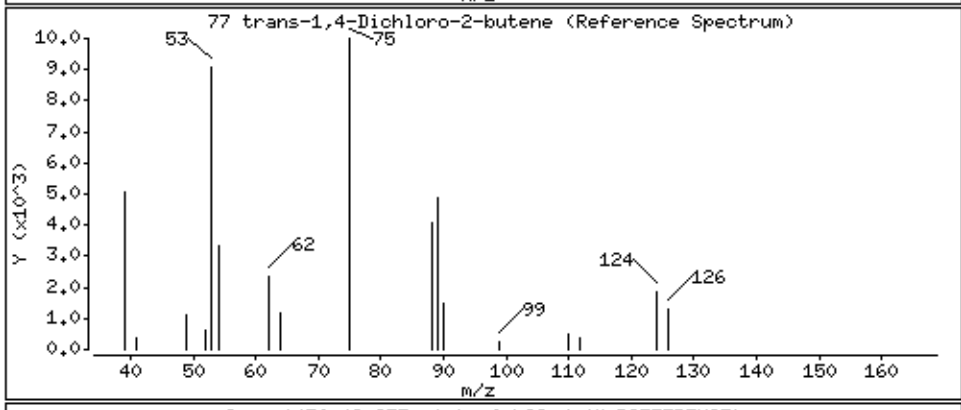
77 trans-1,4-Dichloro-2-butene

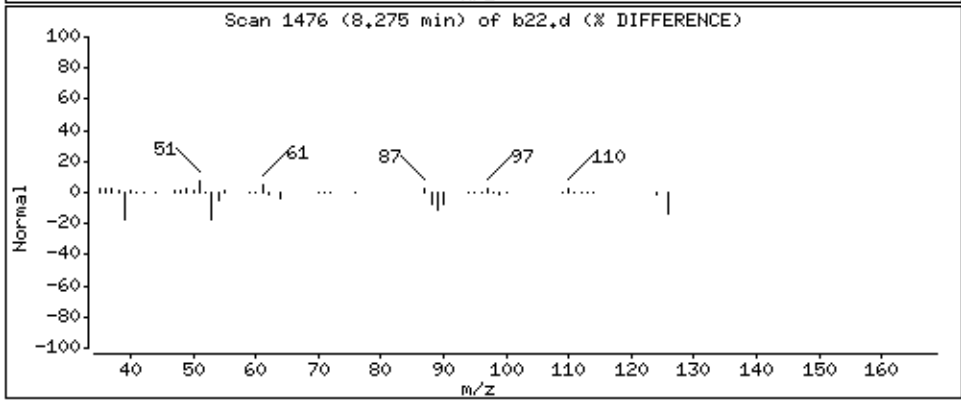
Concentration: 215 ppb

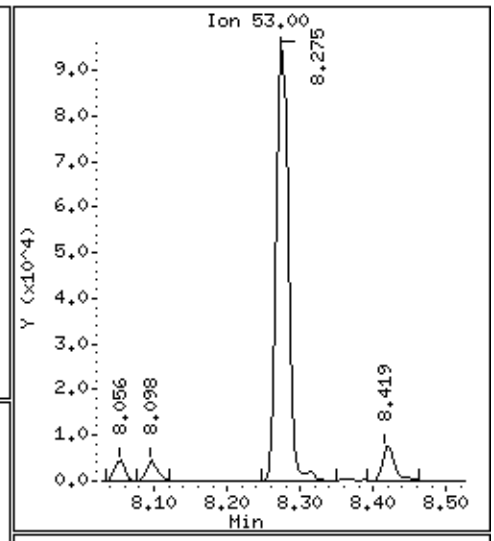
Review Code:

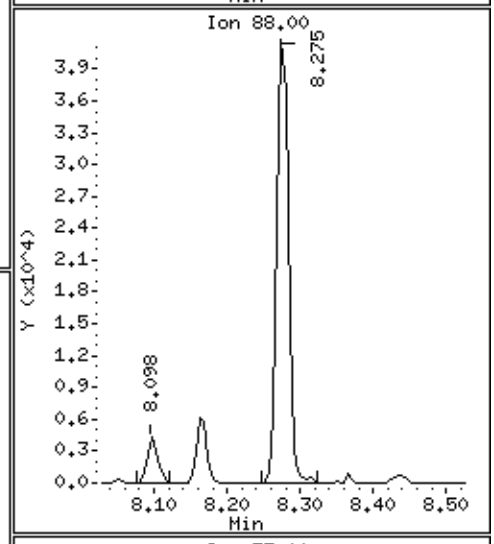


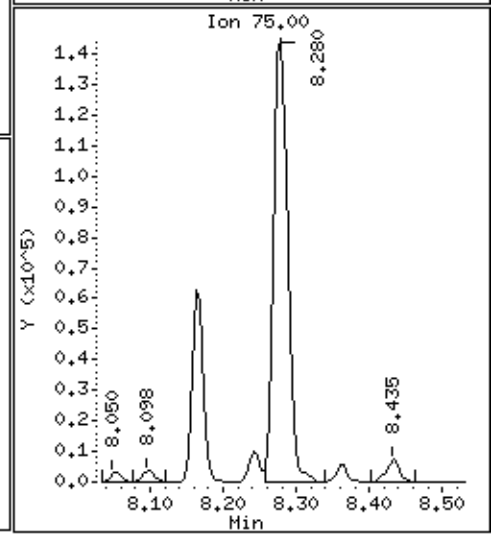












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

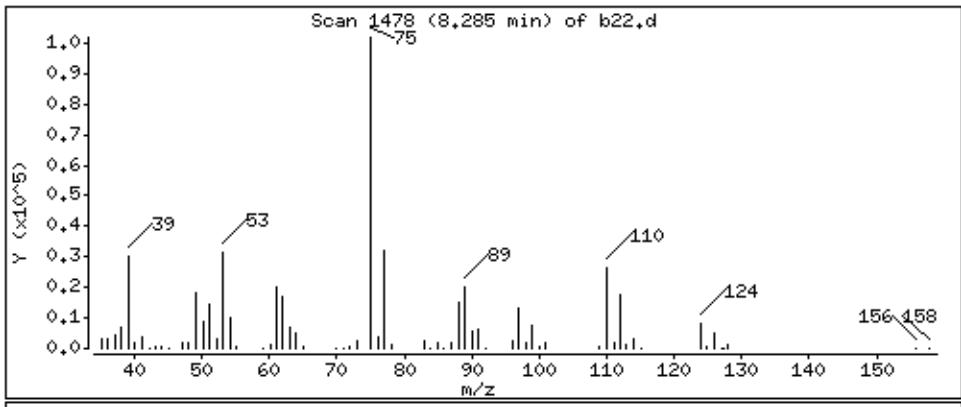
Column phase: DB-624

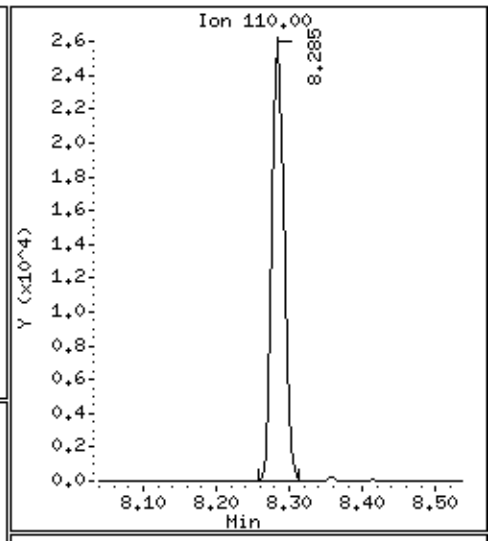
Column diameter: 0.18

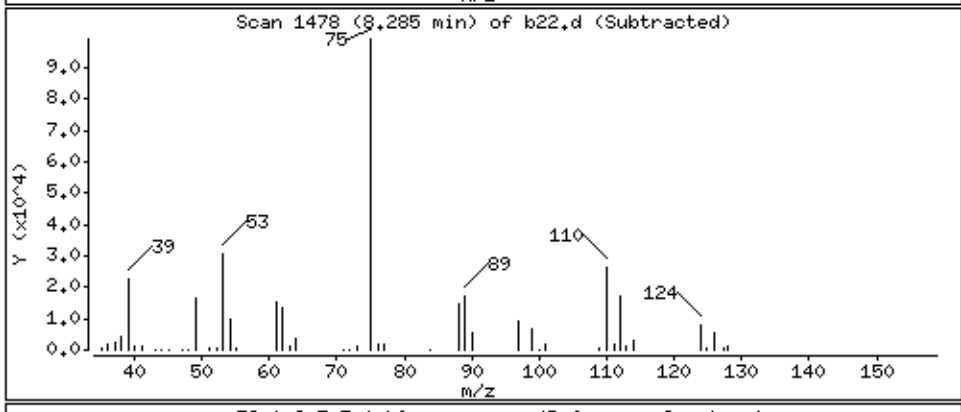
78 1,2,3-Trichloropropane

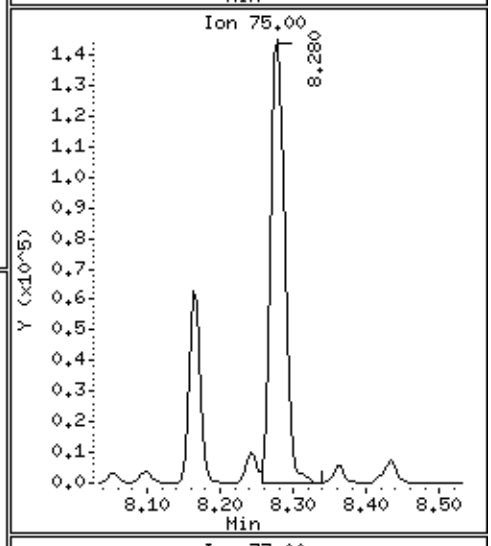
Concentration: 58.6 ppb

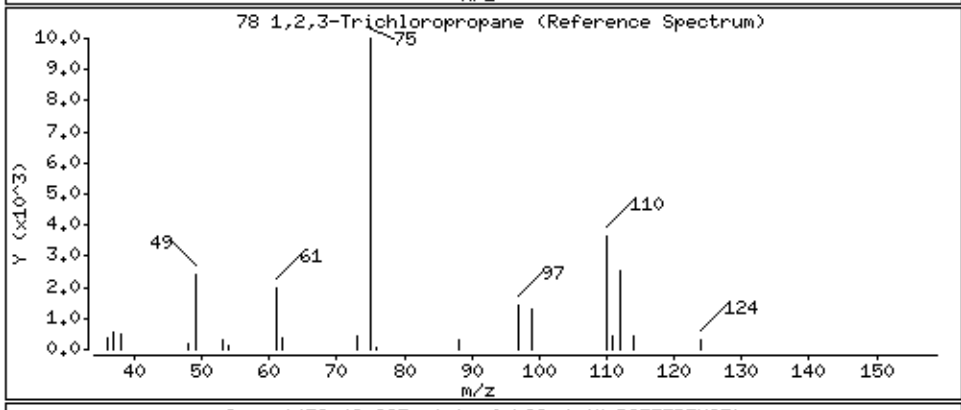
Review Code:

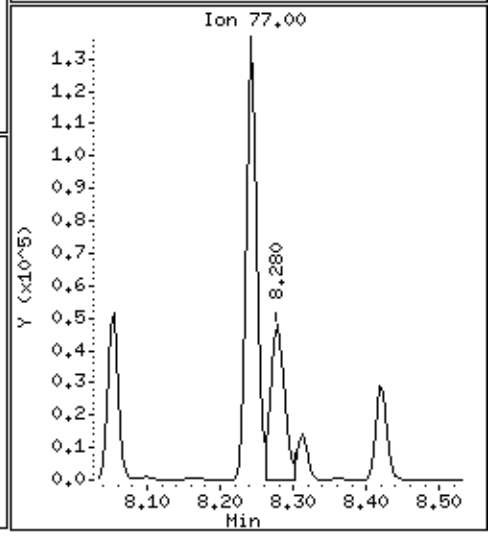


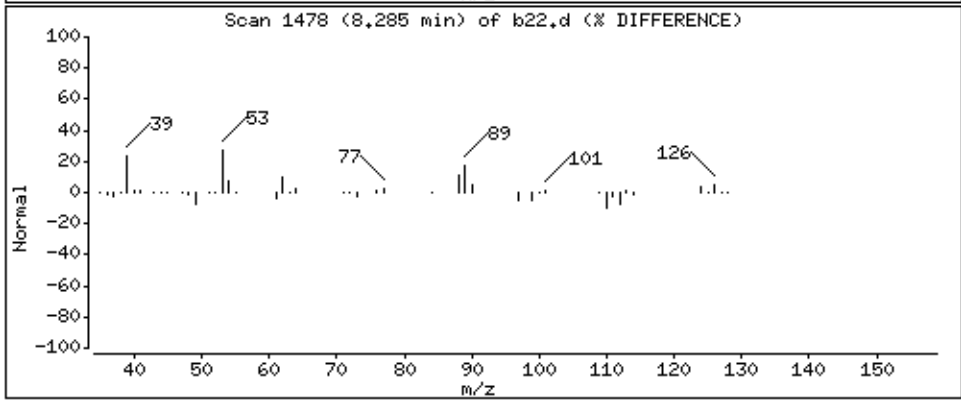












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

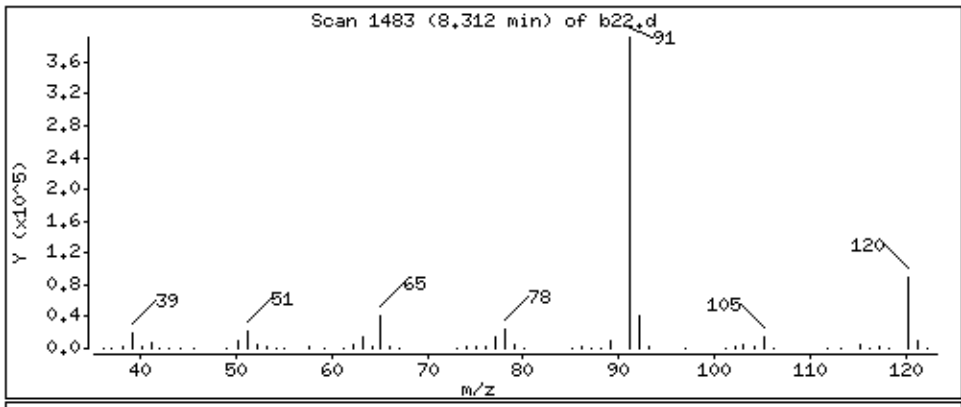
Column phase: DB-624

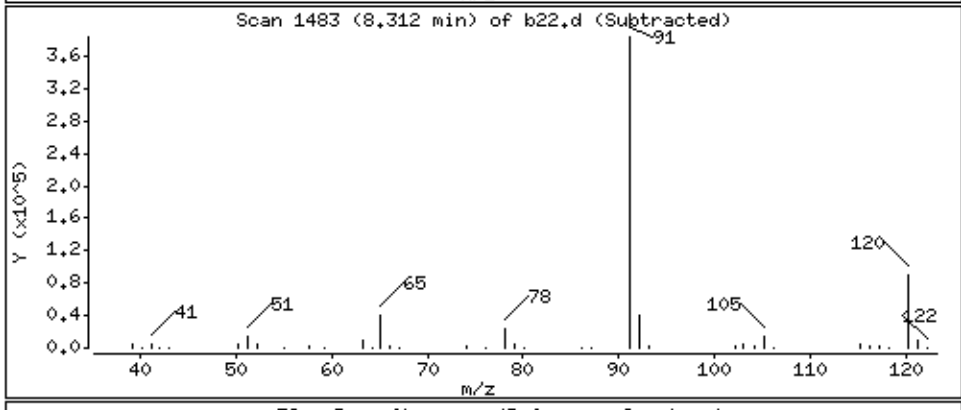
Column diameter: 0.18

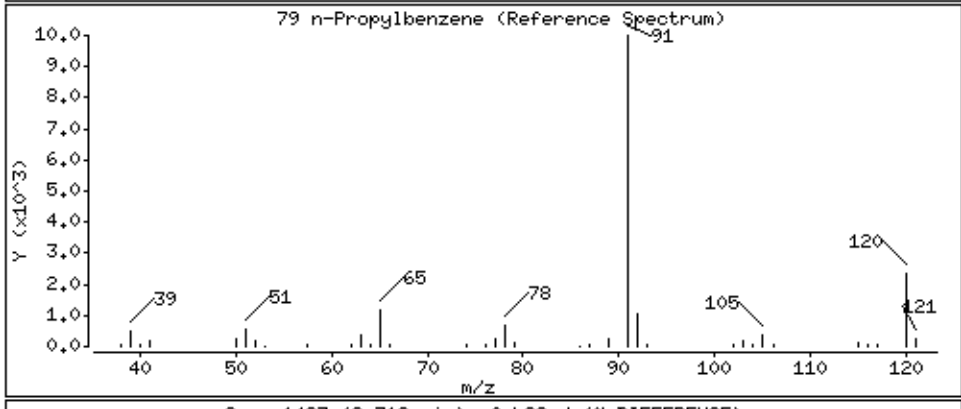
79 n-Propylbenzene

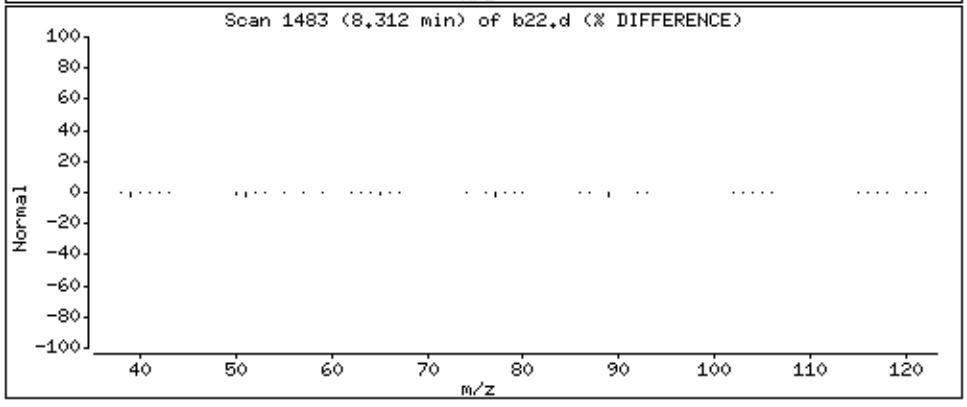
Concentration: 29.9 ppb

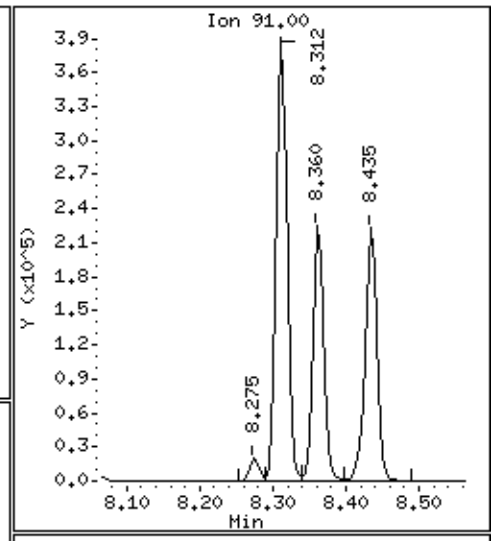
Review Code:

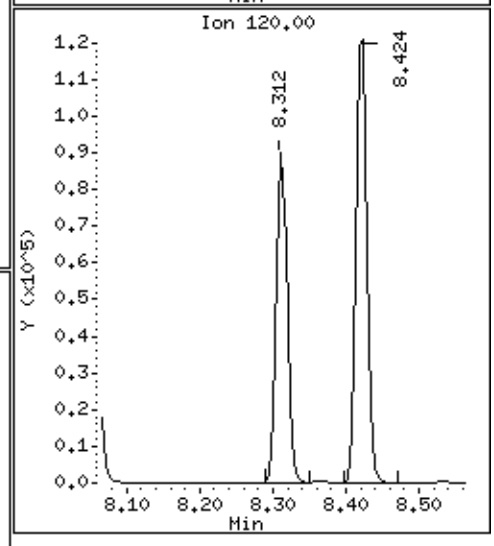












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

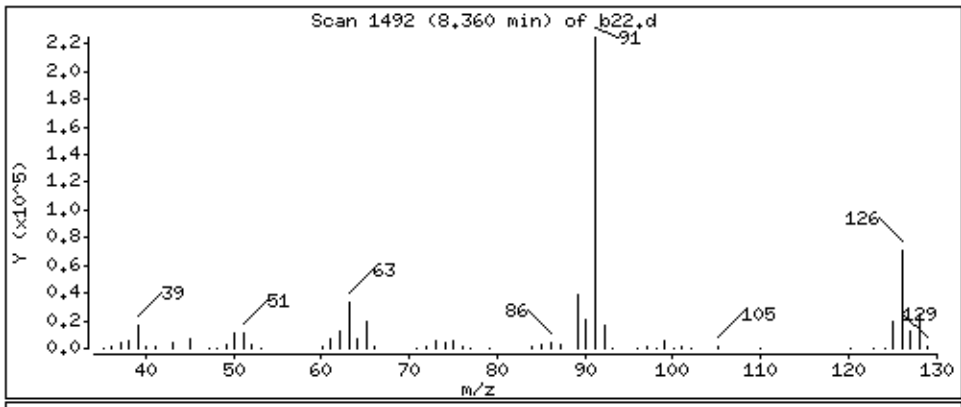
Column phase: DB-624

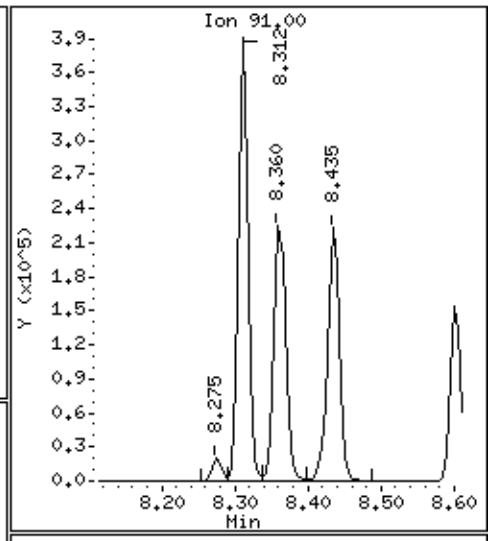
Column diameter: 0.18

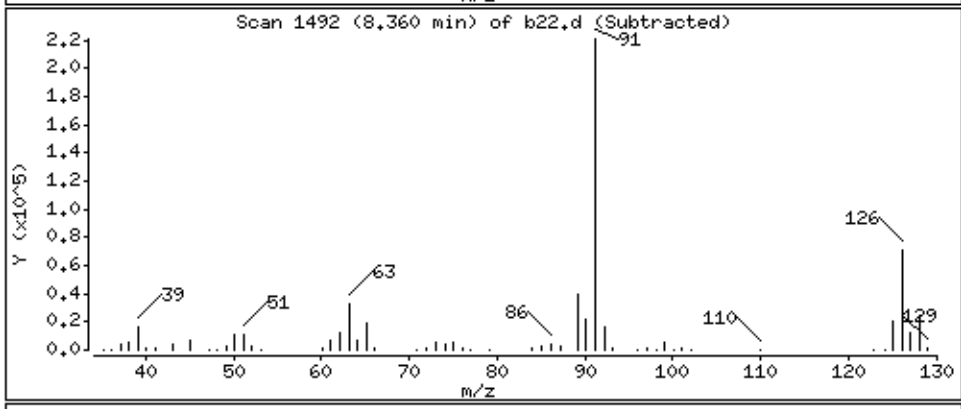
80 2-Chlorotoluene

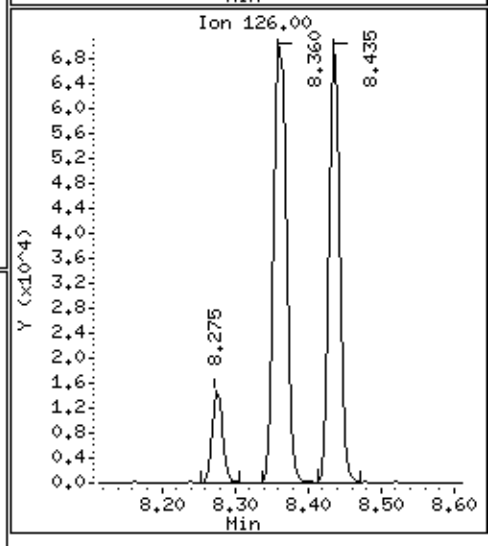
Concentration: 33.8 ppb

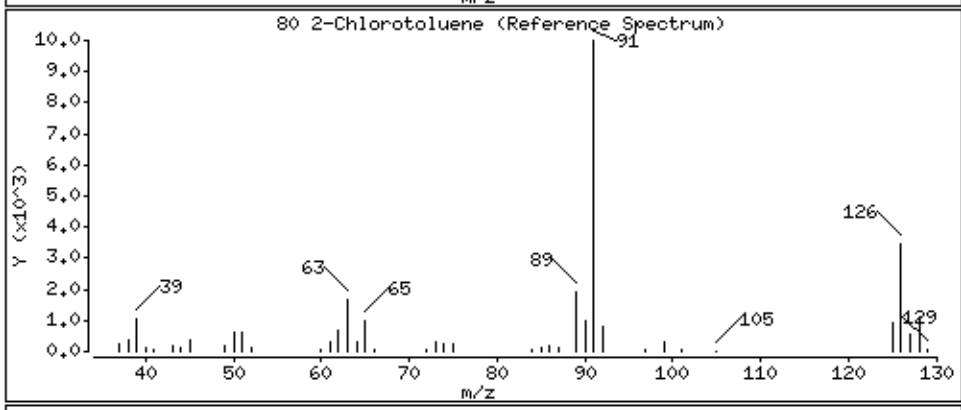
Review Code:

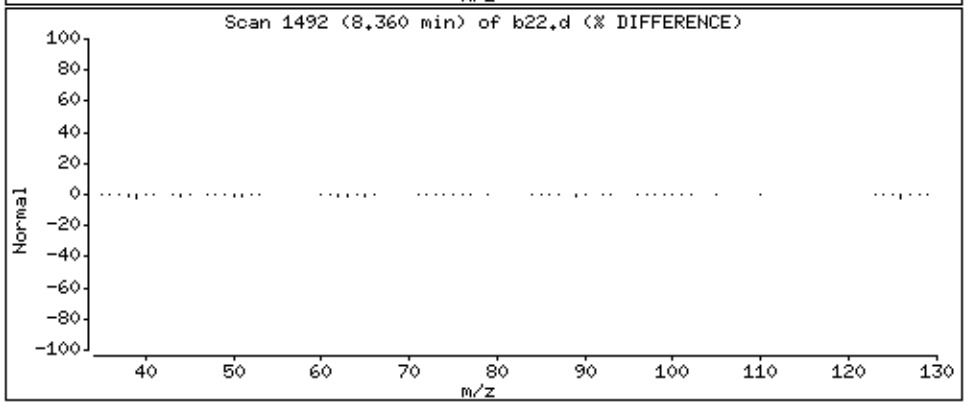












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

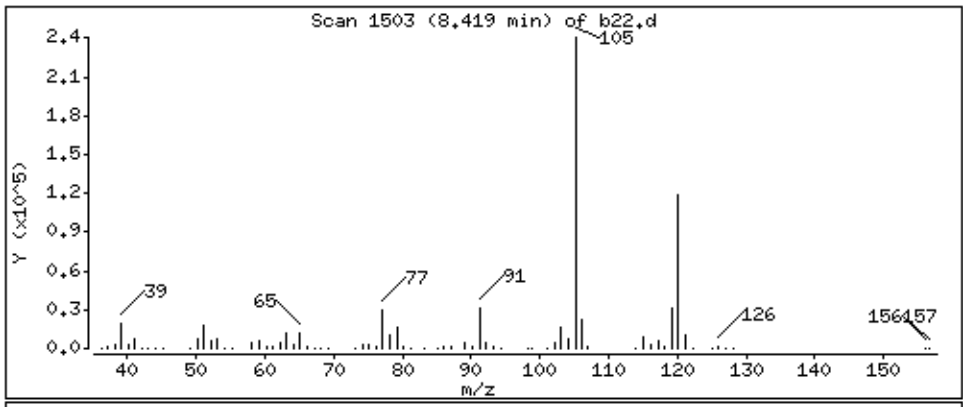
Column phase: DB-624

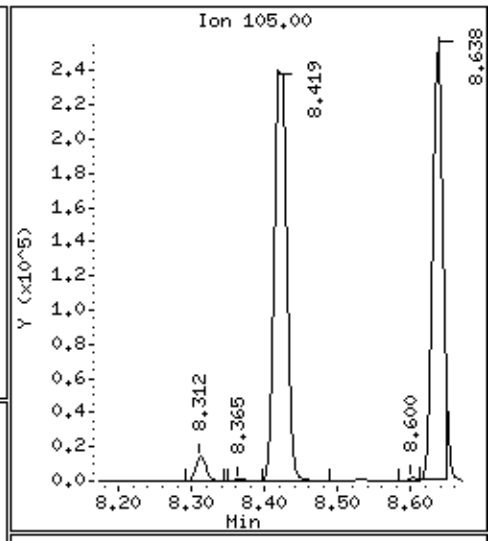
Column diameter: 0.18

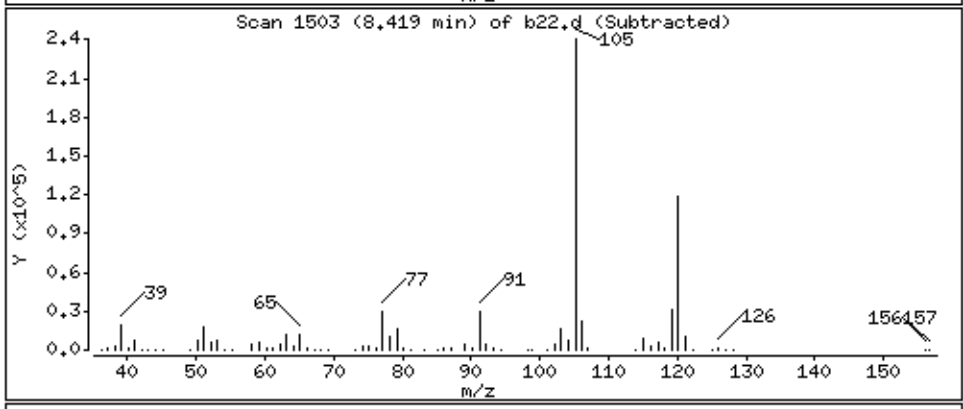
81 1,3,5-Trimethylbenzene

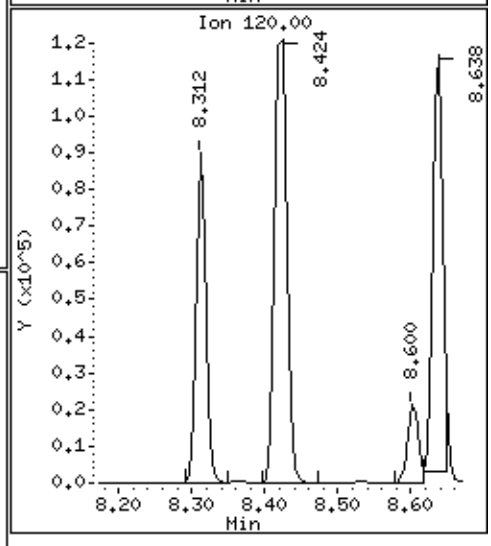
Concentration: 30.5 ppb

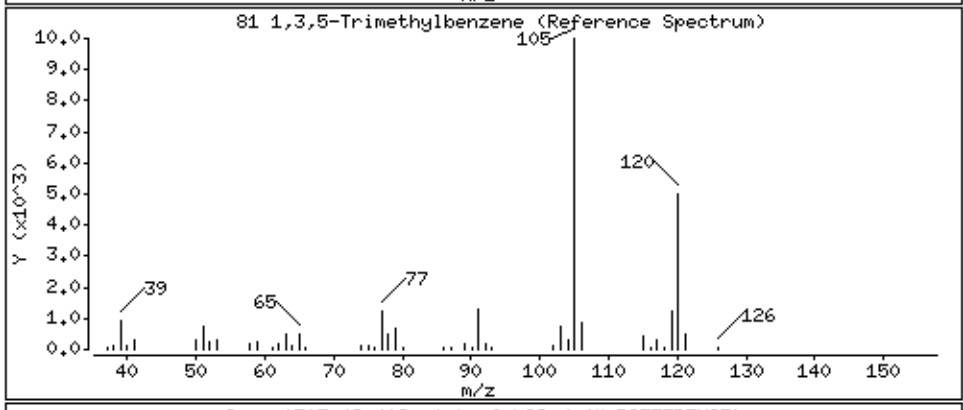
Review Code:

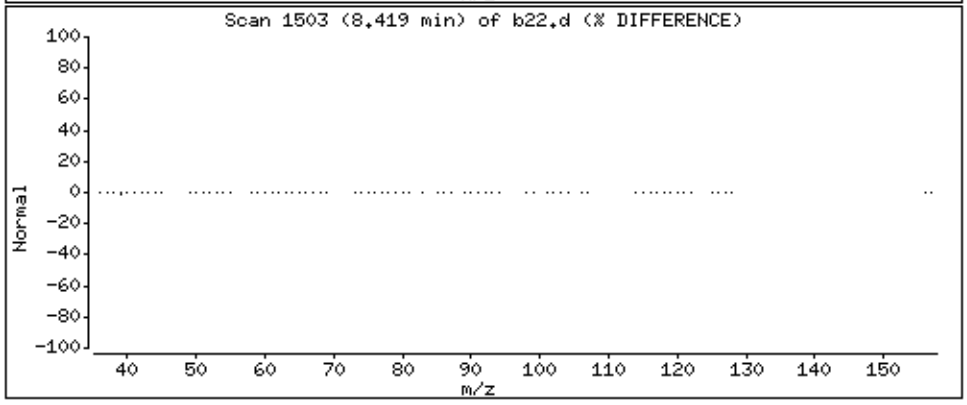












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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

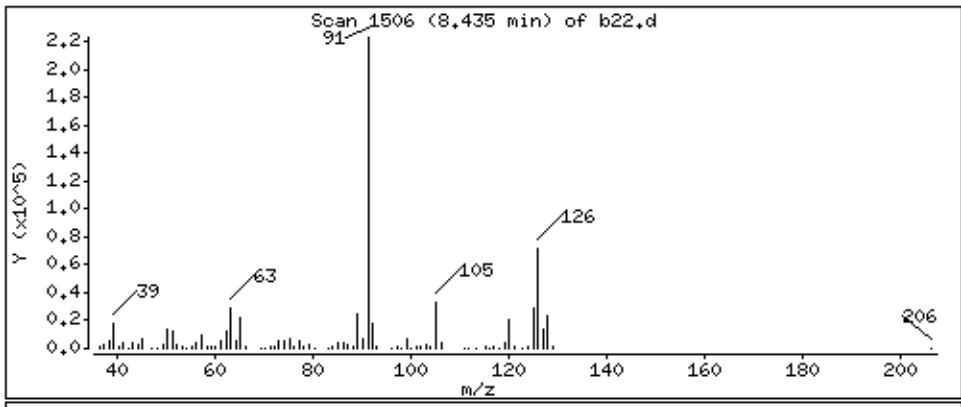
Column phase: DB-624

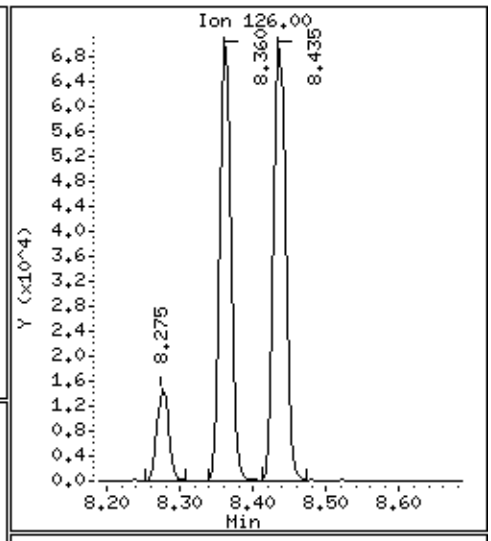
Column diameter: 0.18

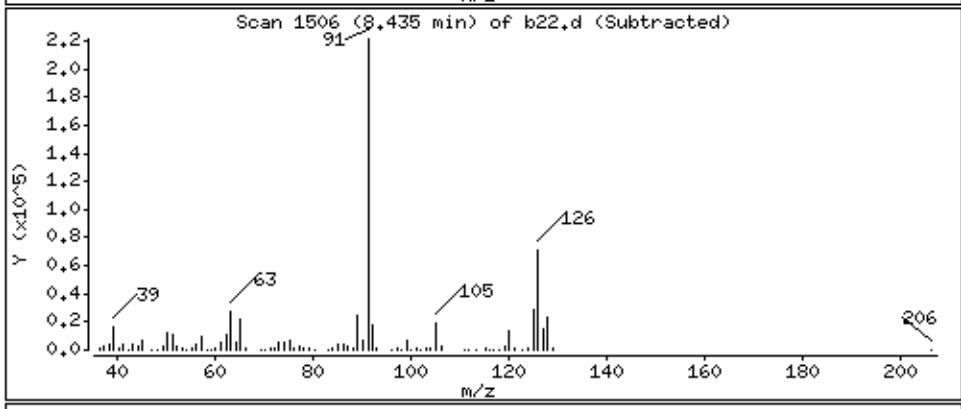
82 4-Chlorotoluene

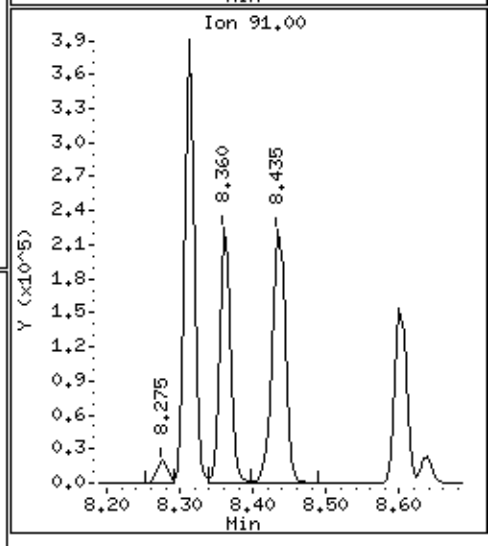
Concentration: 29.9 ppb

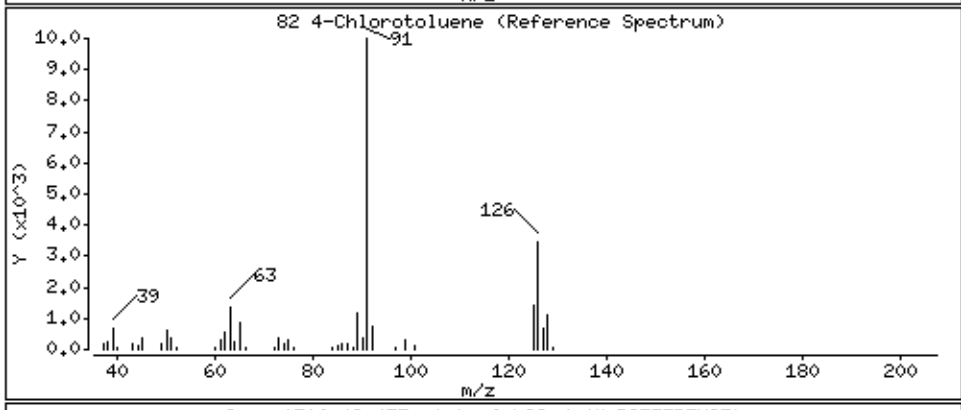
Review Code:

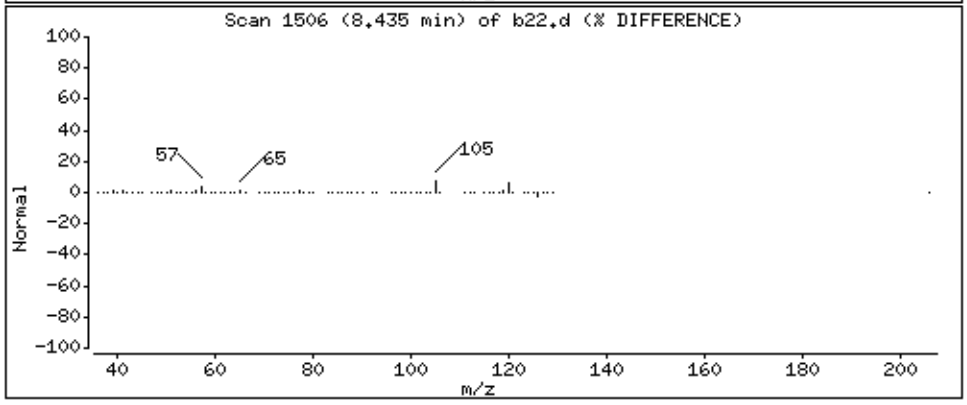












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

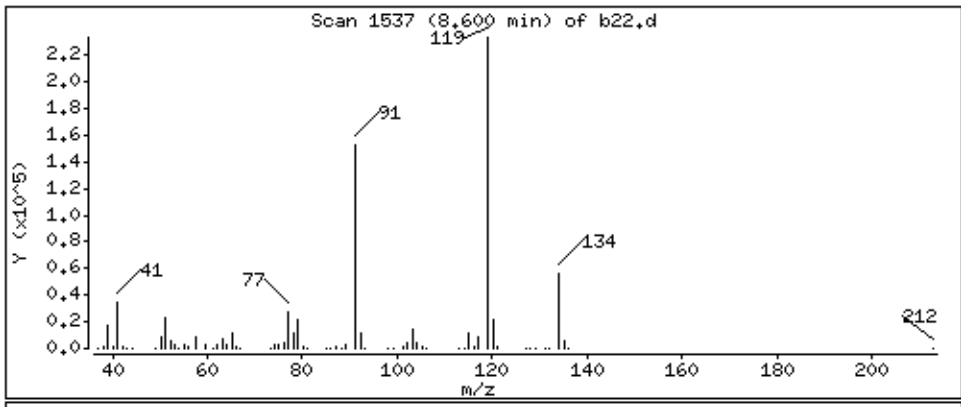
Column phase: DB-624

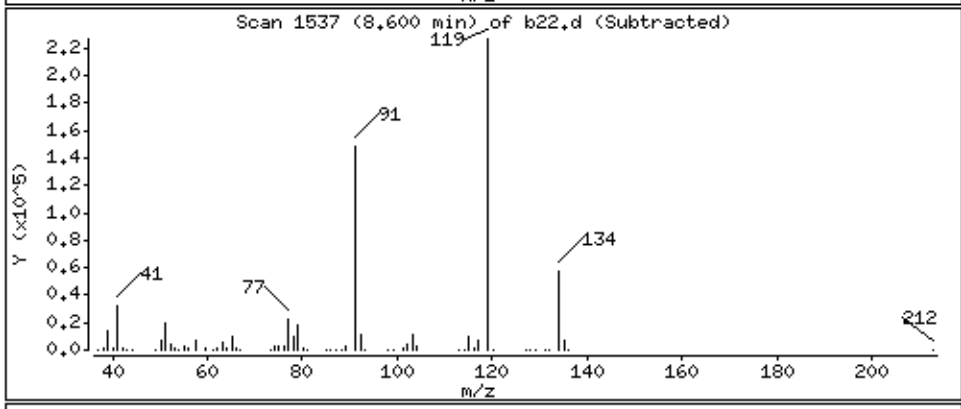
Column diameter: 0.18

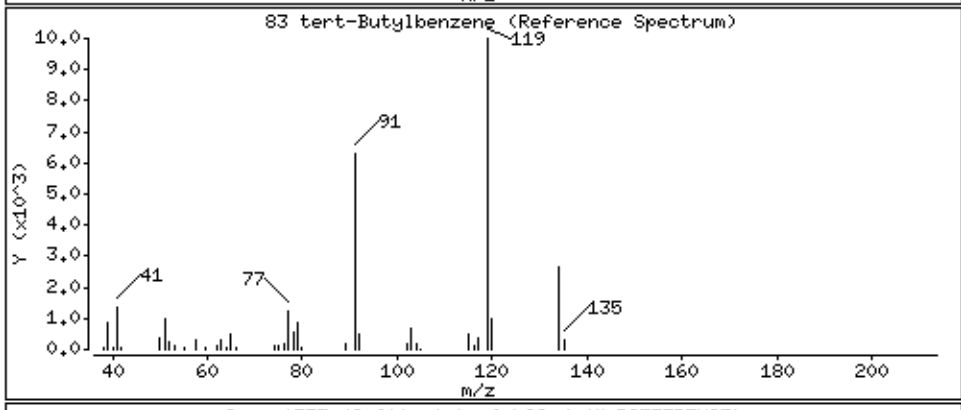
83 tert-Butylbenzene

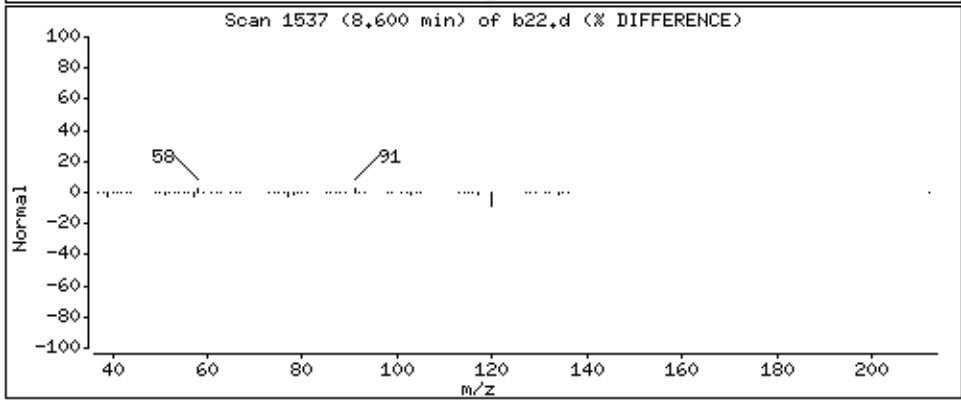
Concentration: 24.6 ppb

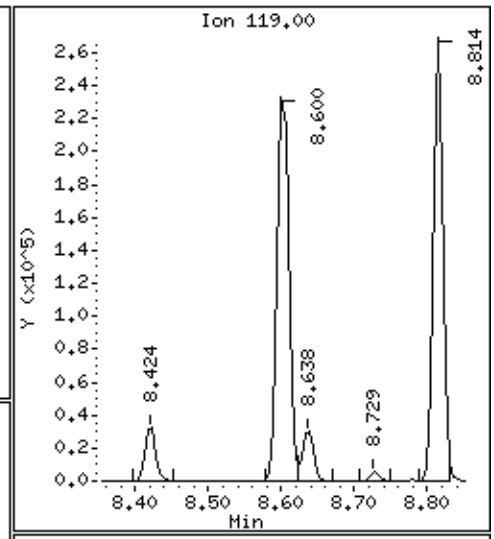
Review Code:

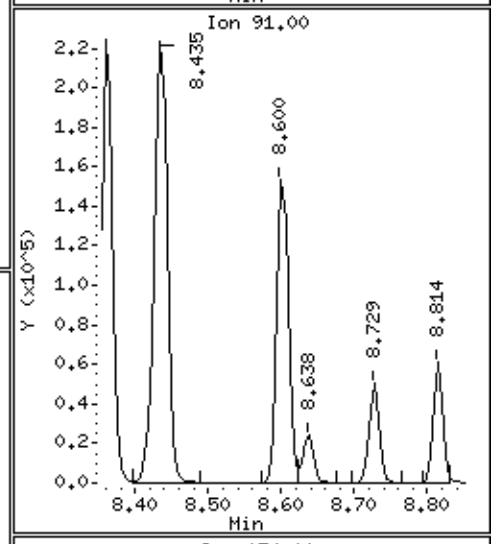


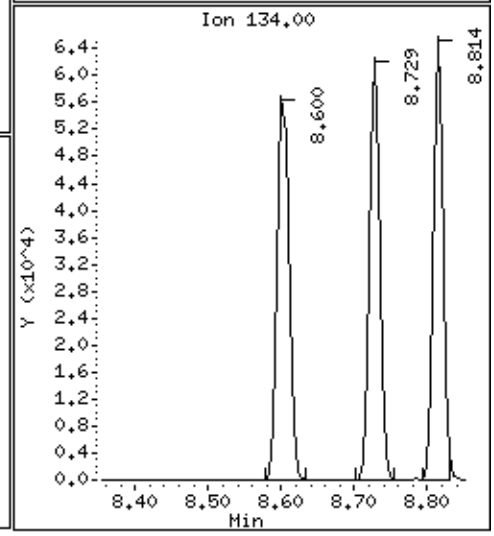












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Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

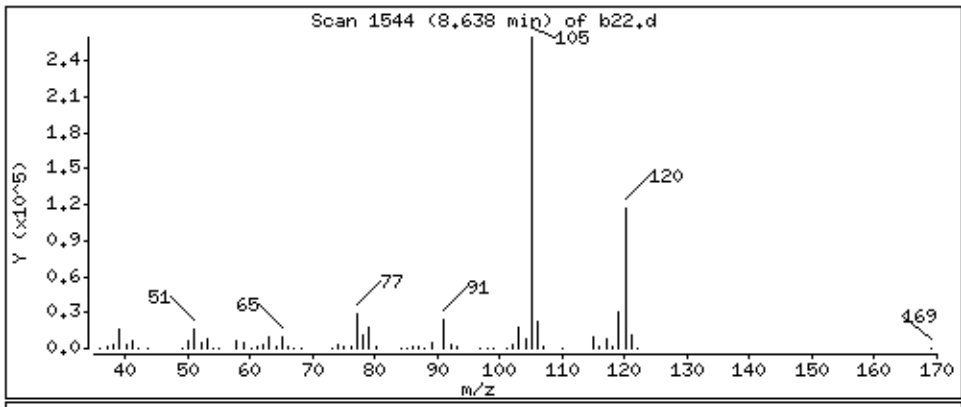
Column phase: DB-624

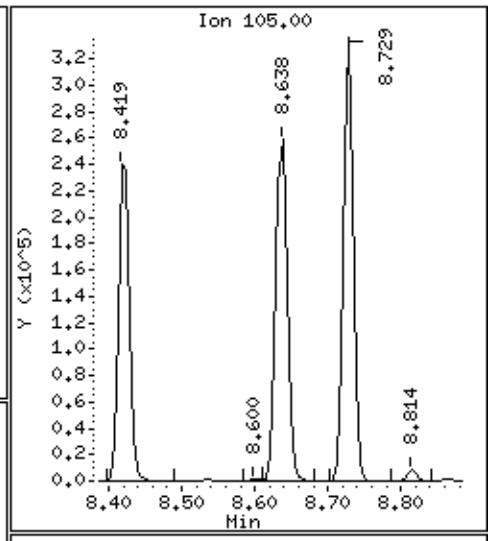
Column diameter: 0.18

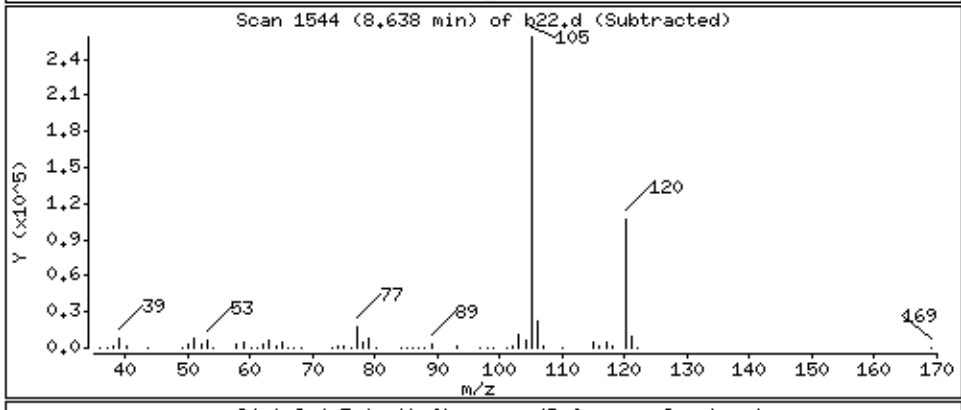
84 1,2,4-Trimethylbenzene

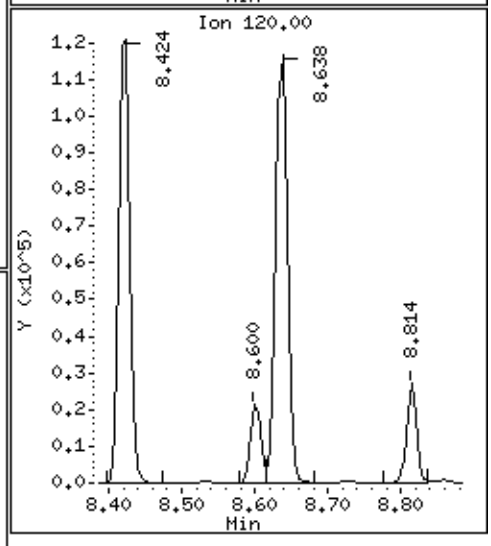
Concentration: 30.6 ppb

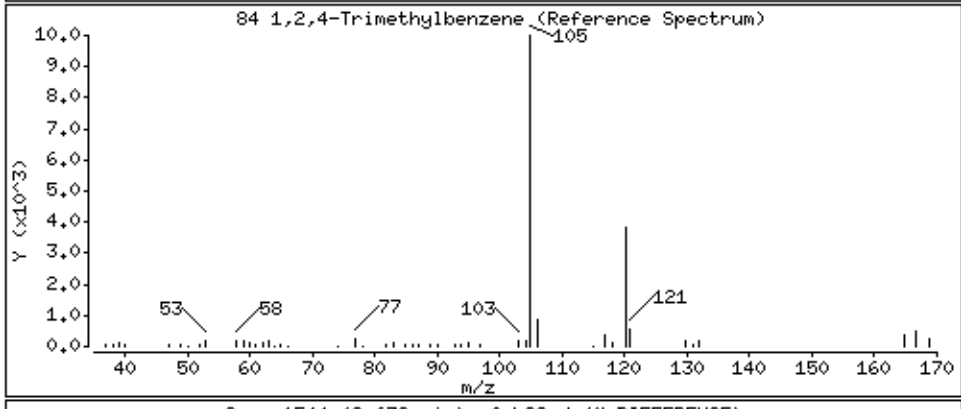
Review Code:

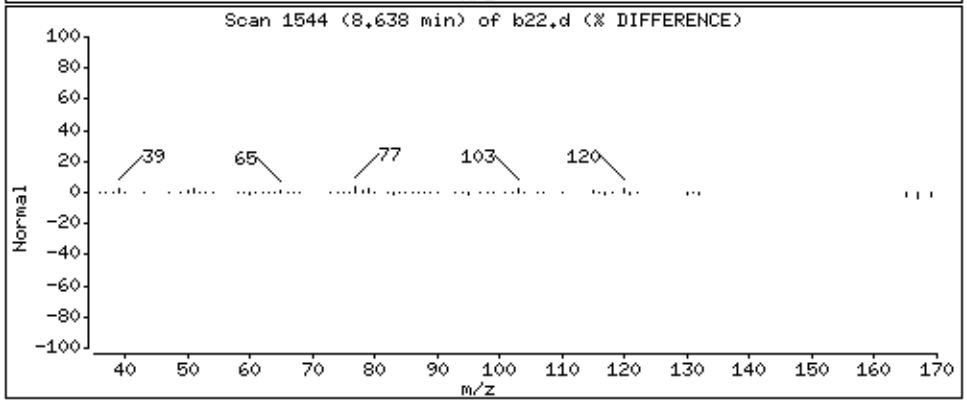












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

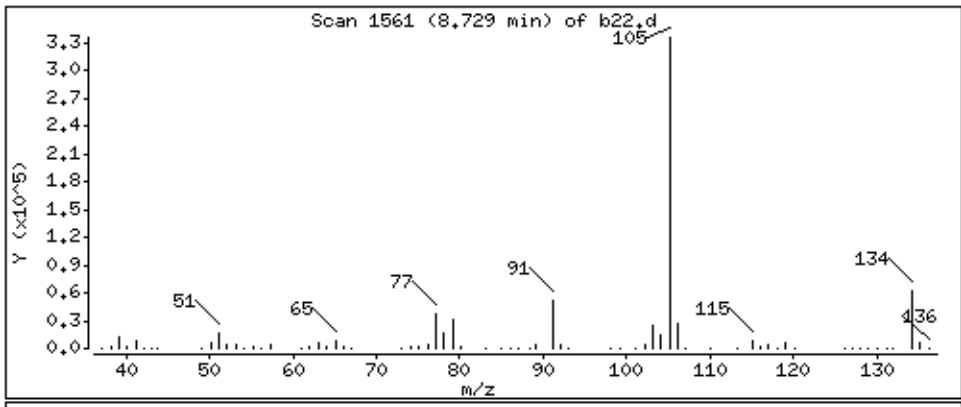
Column phase: DB-624

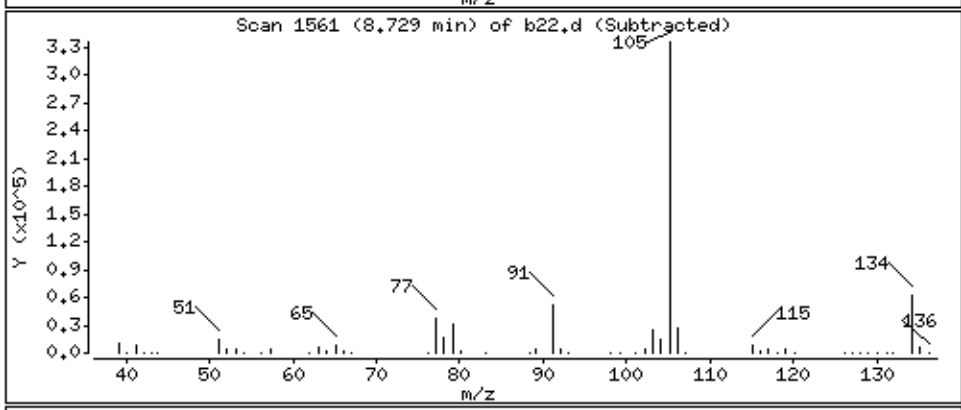
Column diameter: 0.18

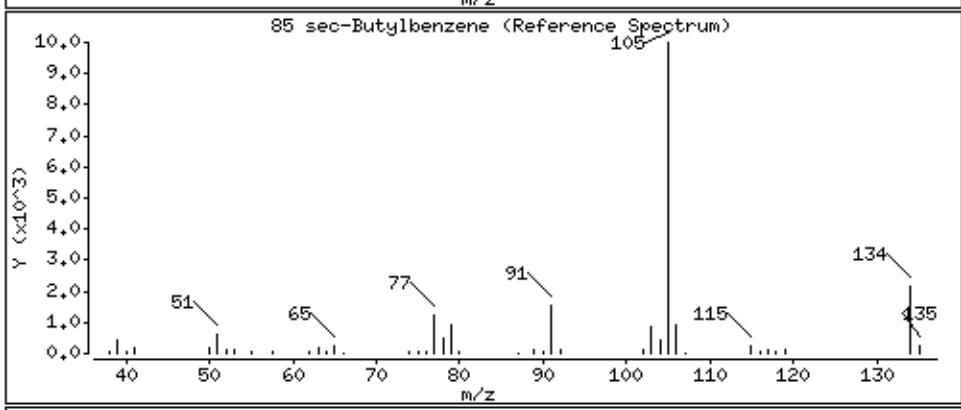
85 sec-Butylbenzene

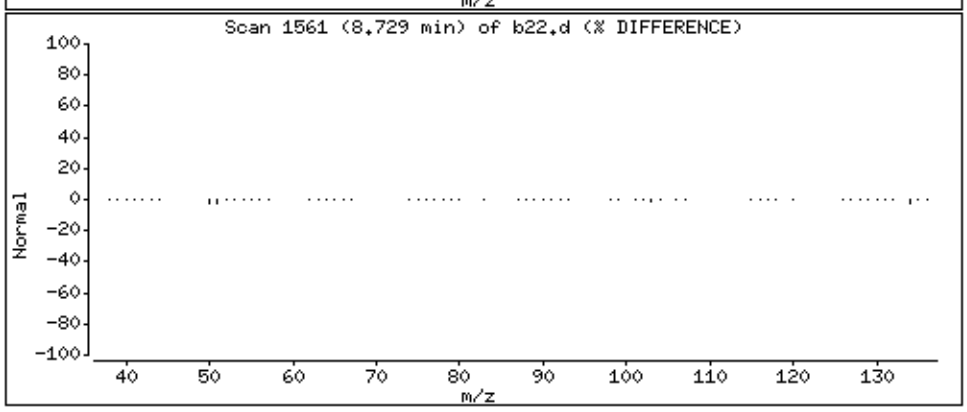
Concentration: 28.0 ppb

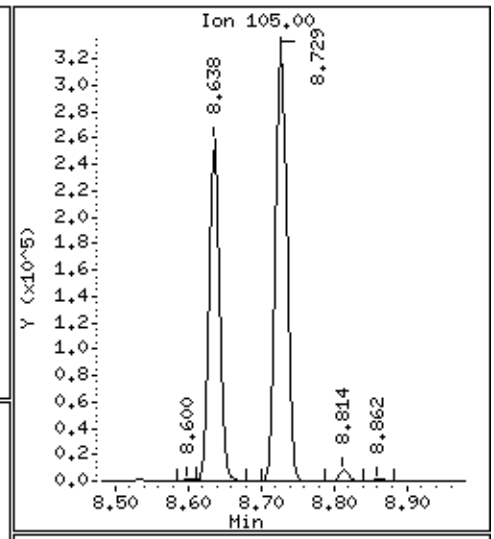
Review Code:

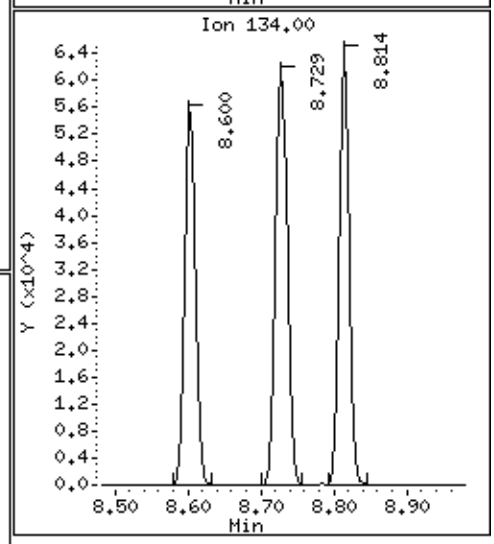












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

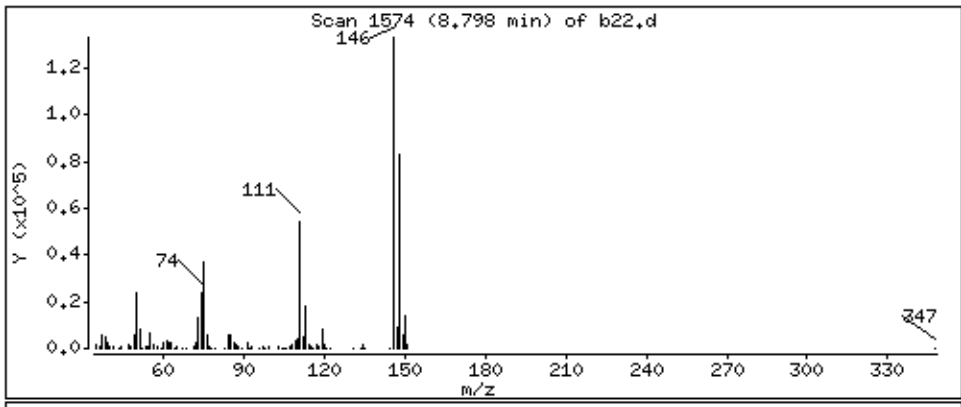
Column phase: DB-624

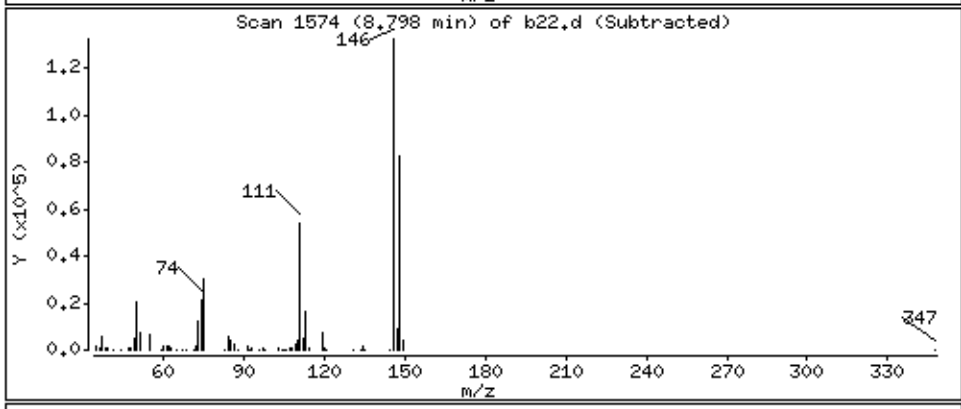
Column diameter: 0.18

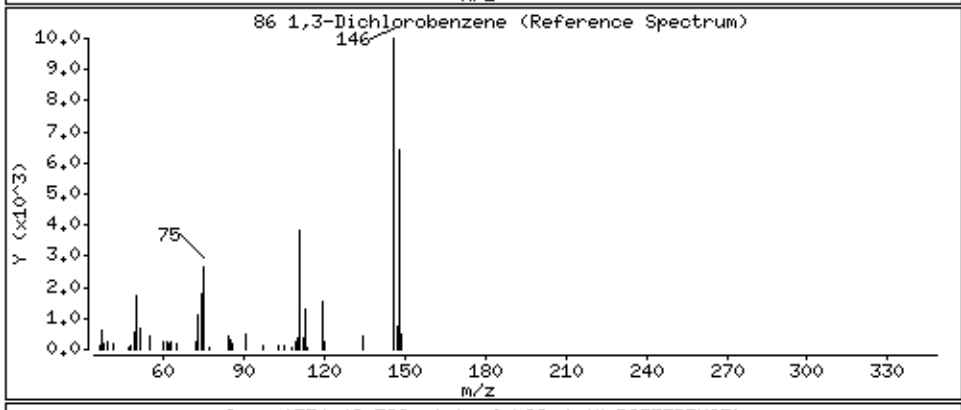
86 1,3-Dichlorobenzene

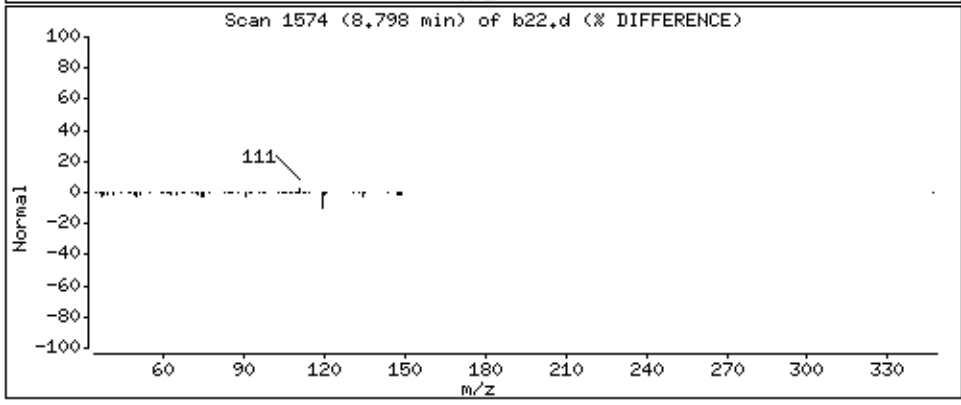
Concentration: 30.3 ppb

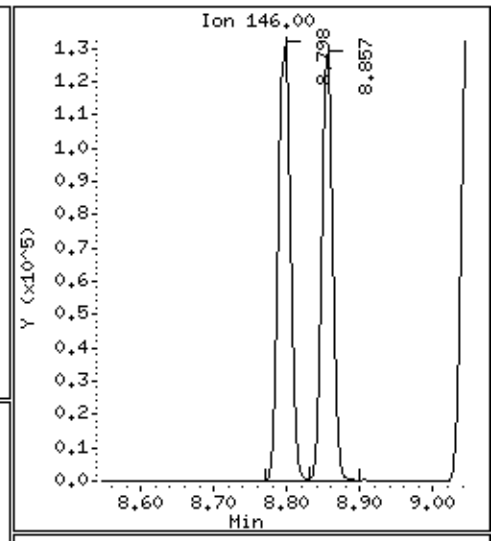
Review Code:

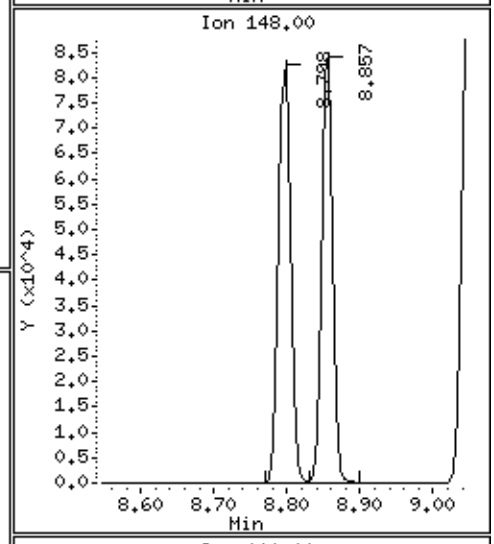


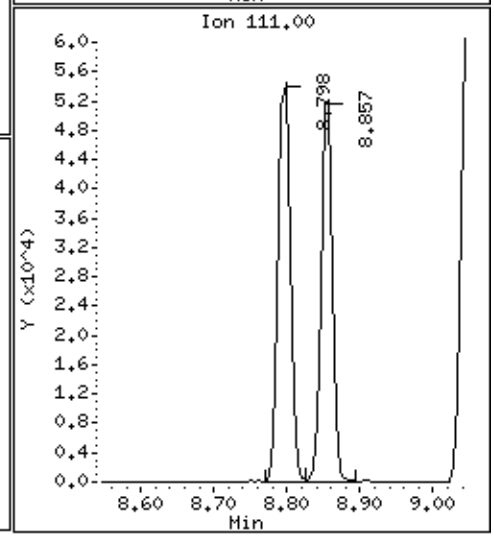












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

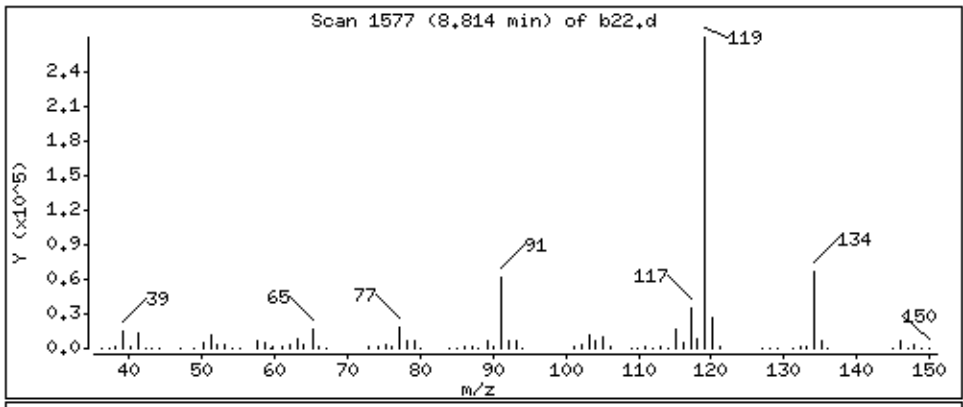
Column phase: DB-624

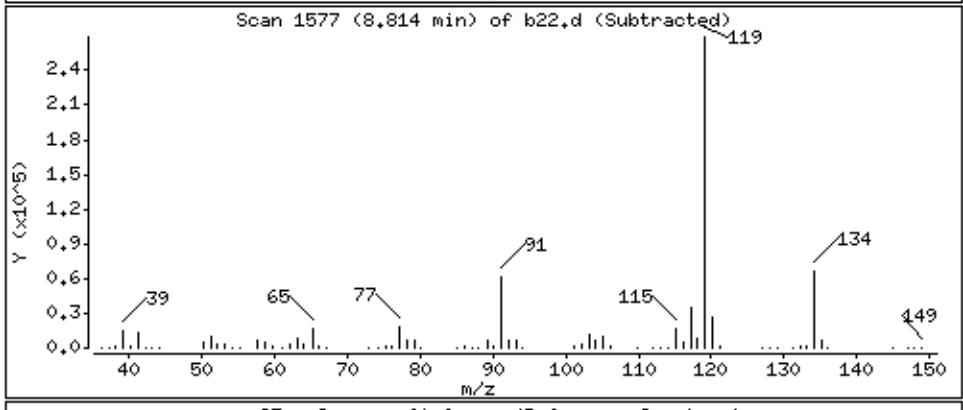
Column diameter: 0.18

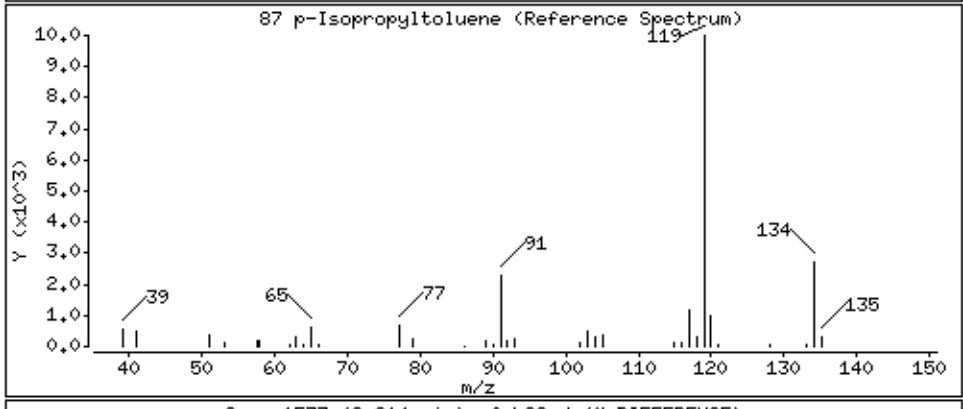
87 p-Isopropyltoluene

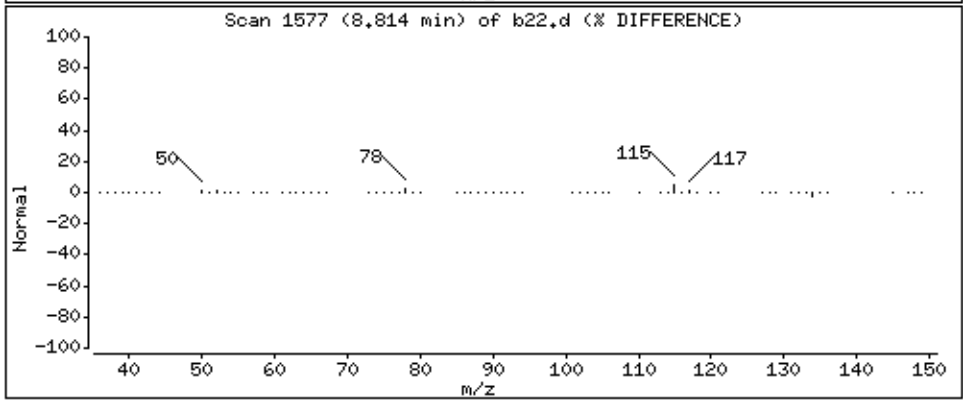
Concentration: 25.9 ppb

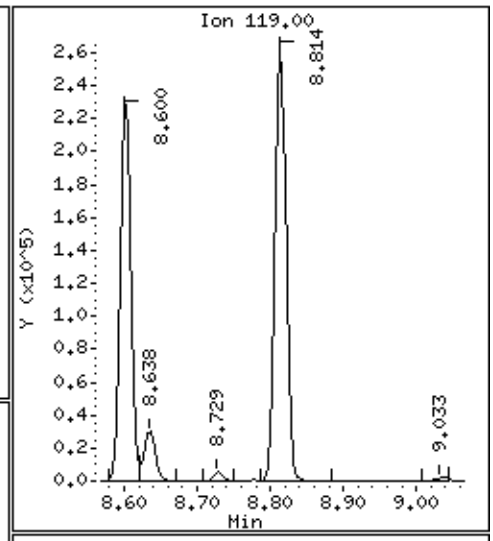
Review Code:

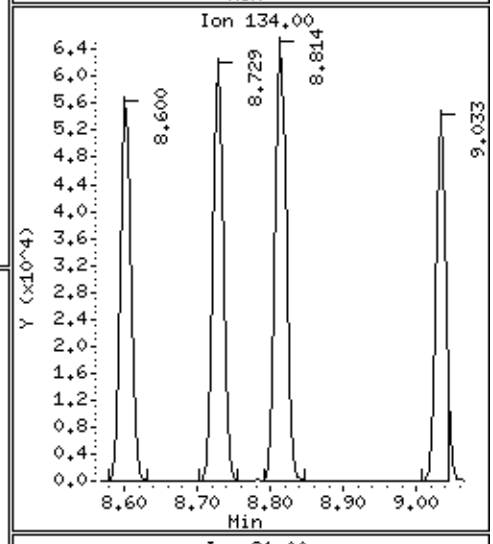


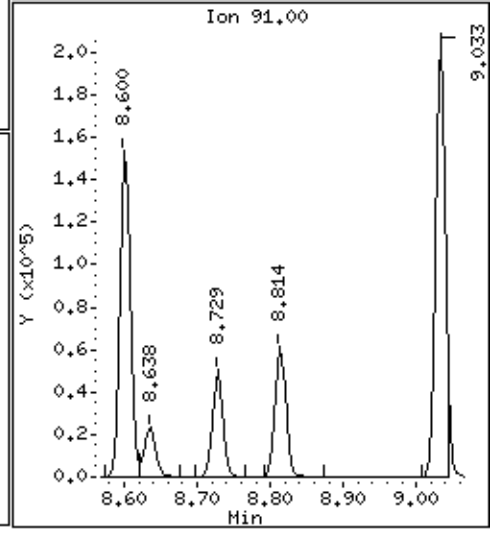












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

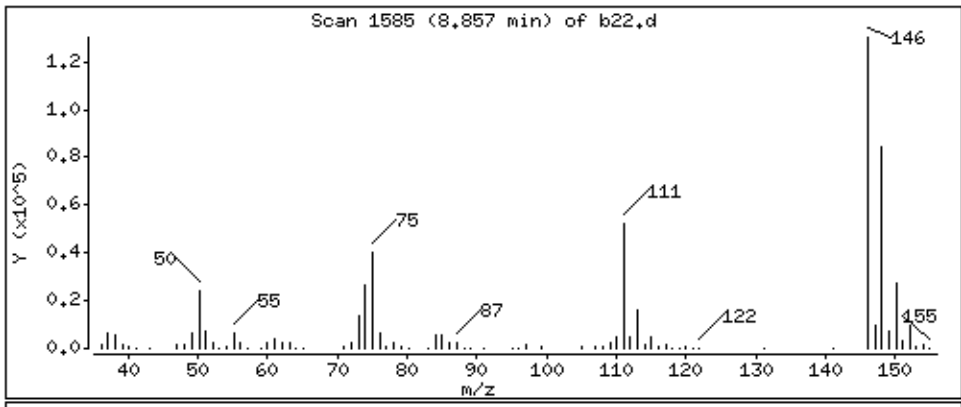
Column phase: DB-624

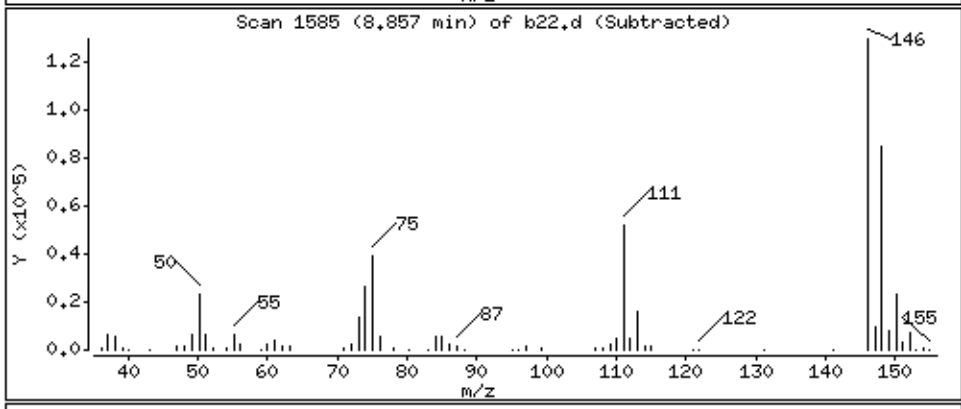
Column diameter: 0.18

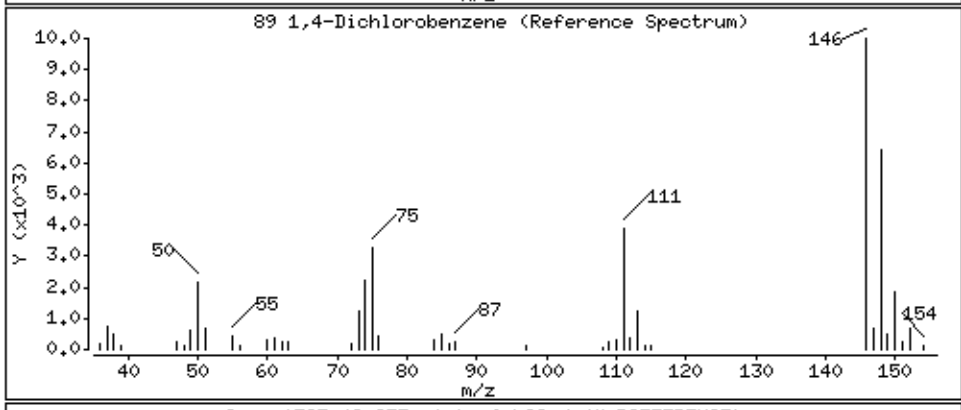
89 1,4-Dichlorobenzene

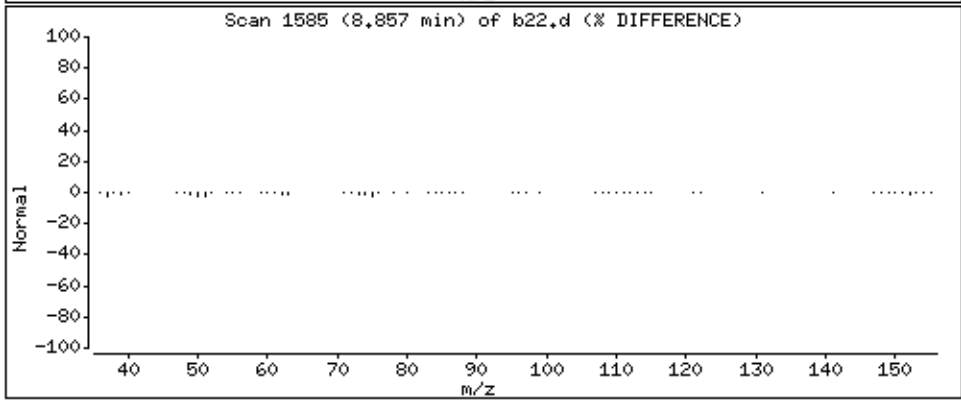
Concentration: 29.2 ppb

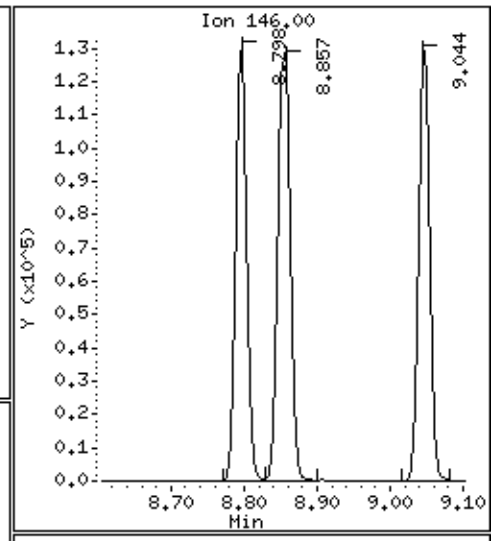
Review Code:

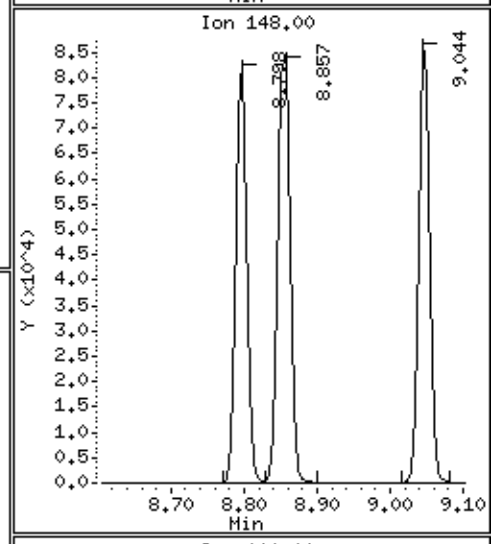


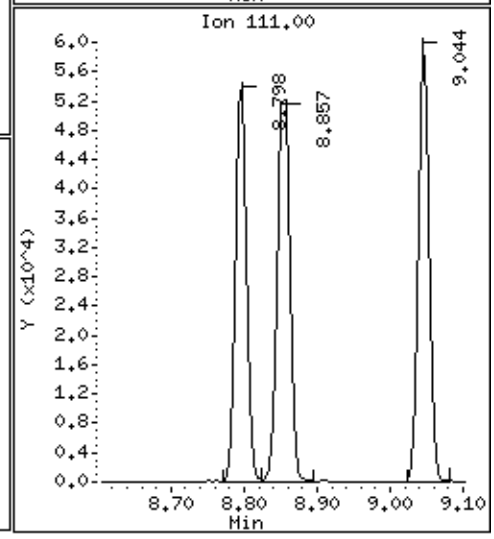












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

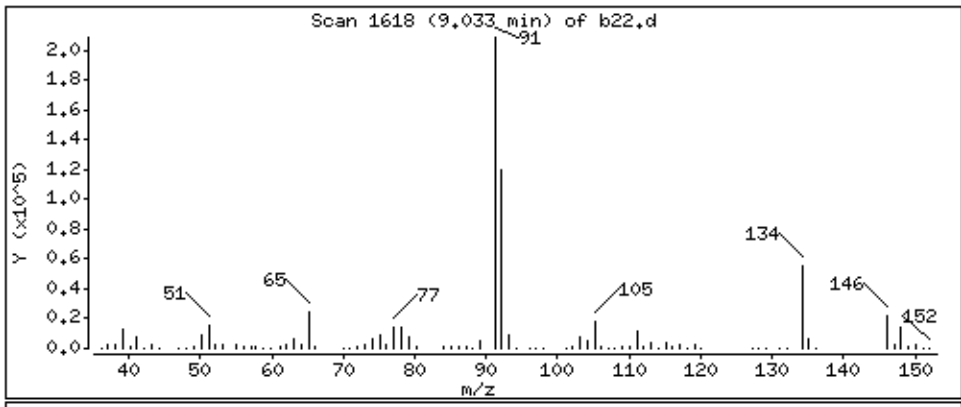
Column phase: DB-624

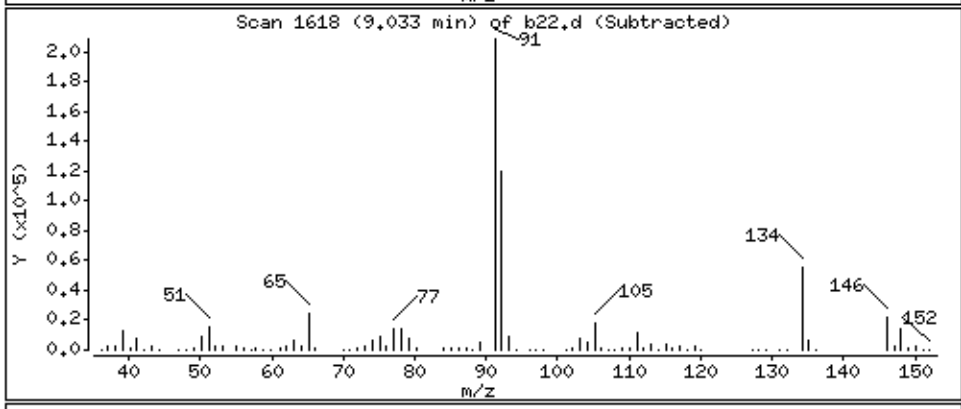
Column diameter: 0.18

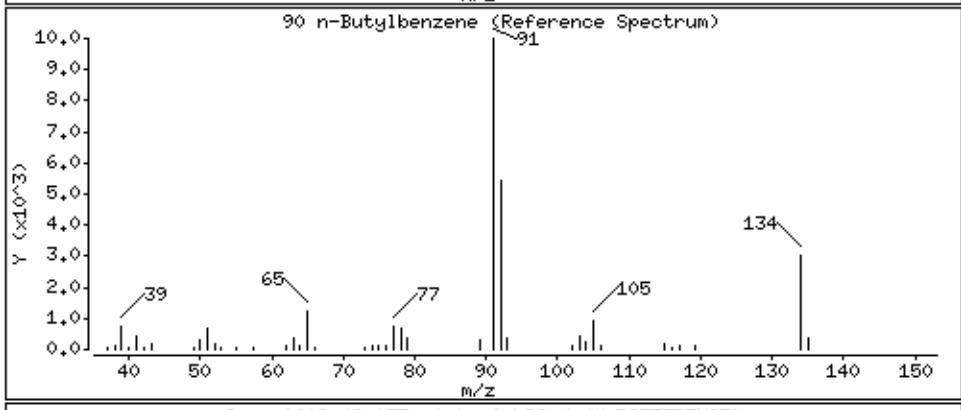
90 n-Butylbenzene

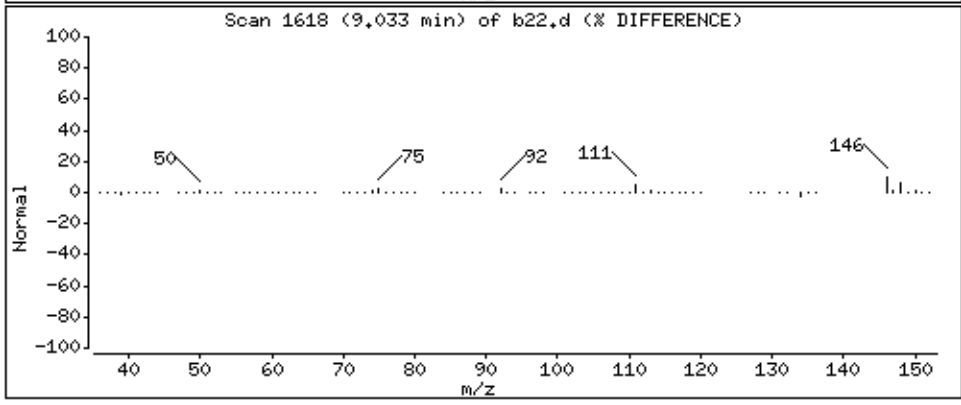
Concentration: 22.3 ppb

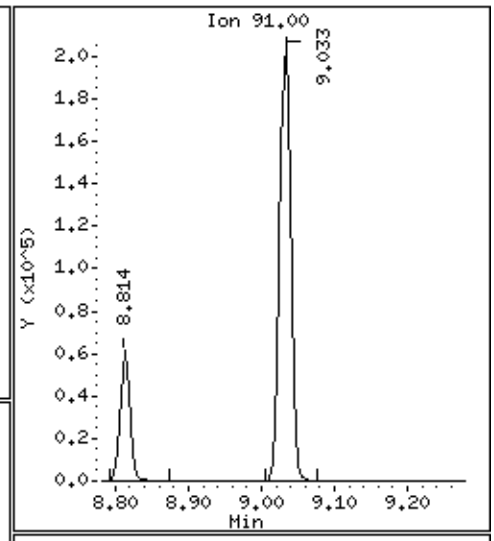
Review Code:

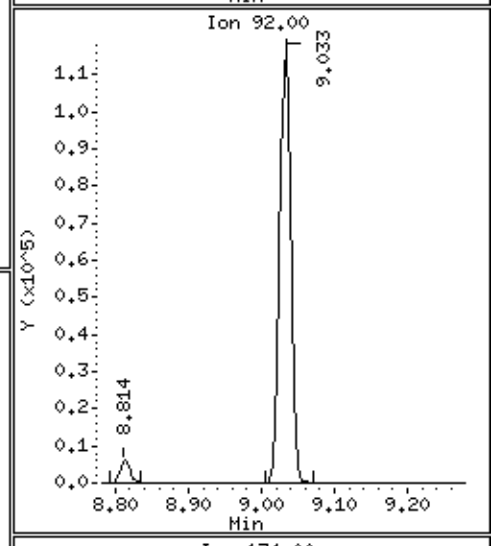


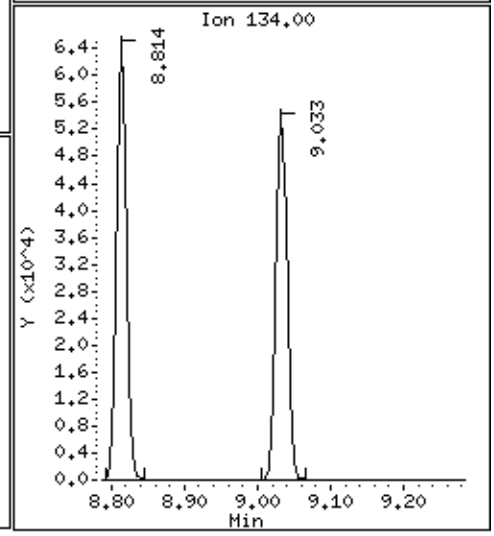












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

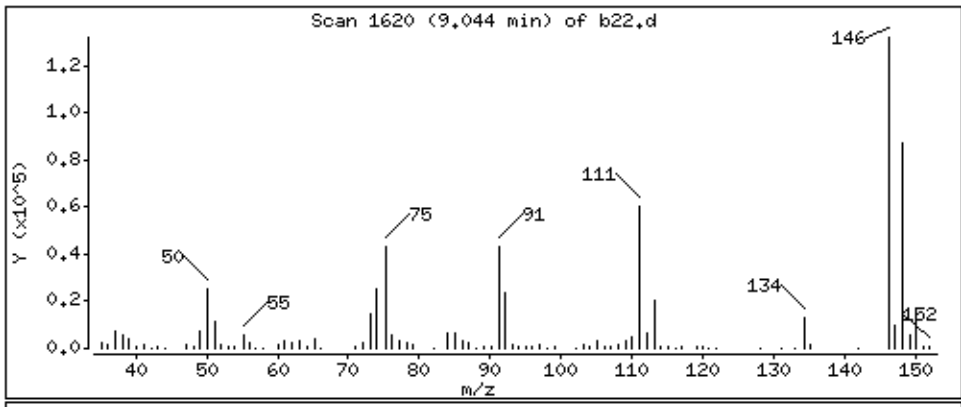
Column phase: DB-624

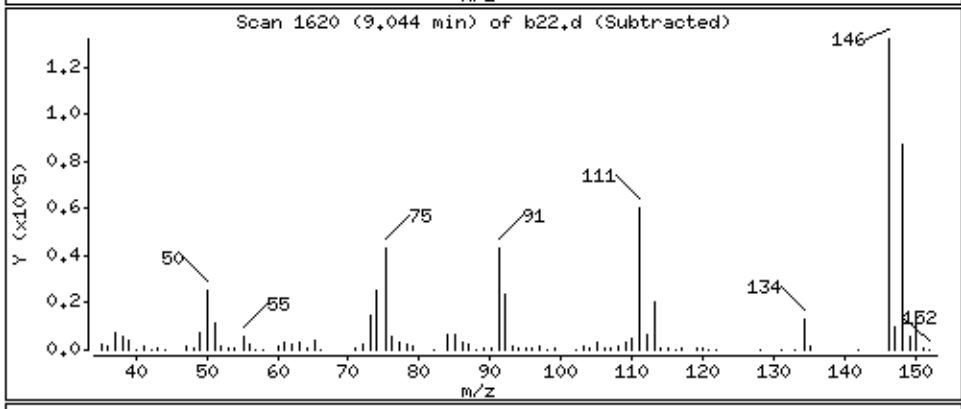
Column diameter: 0.18

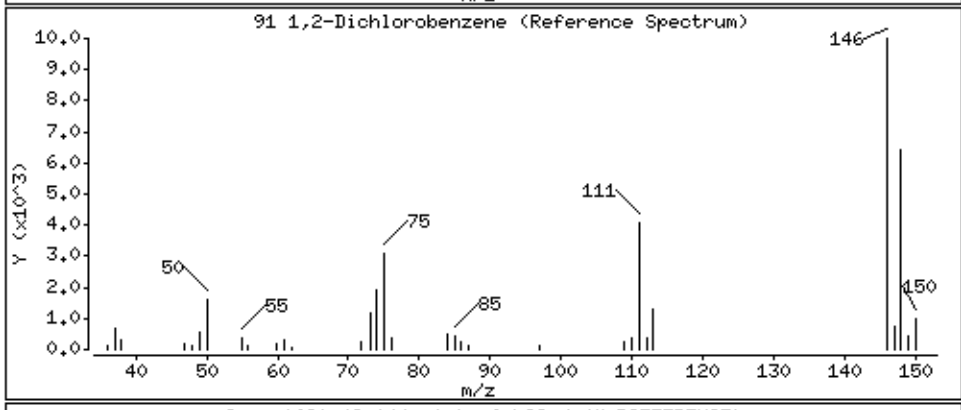
91 1,2-Dichlorobenzene

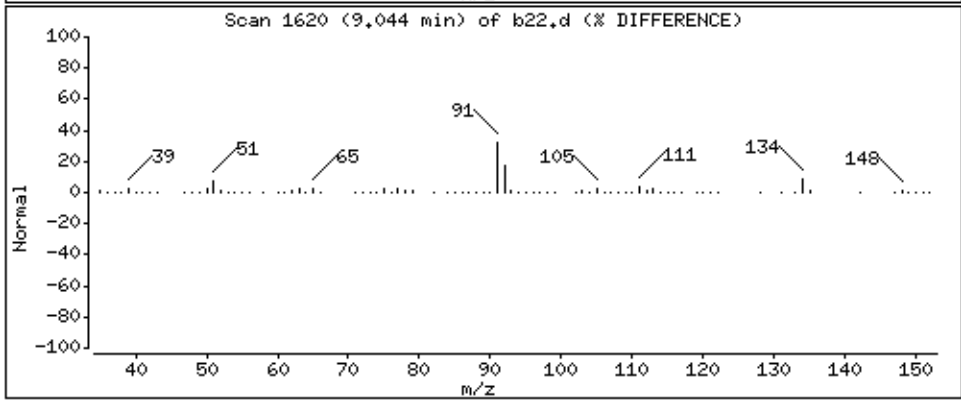
Concentration: 33.6 ppb

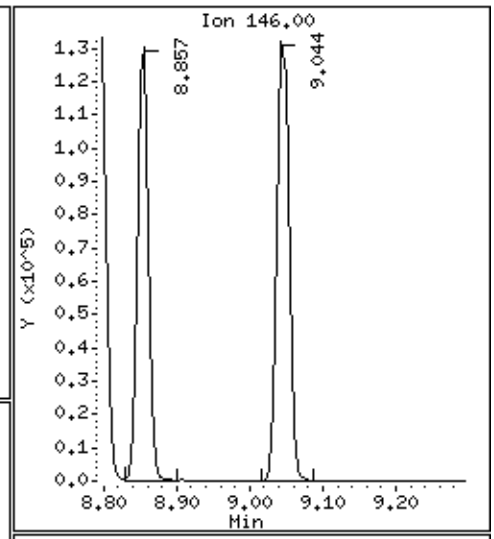
Review Code:

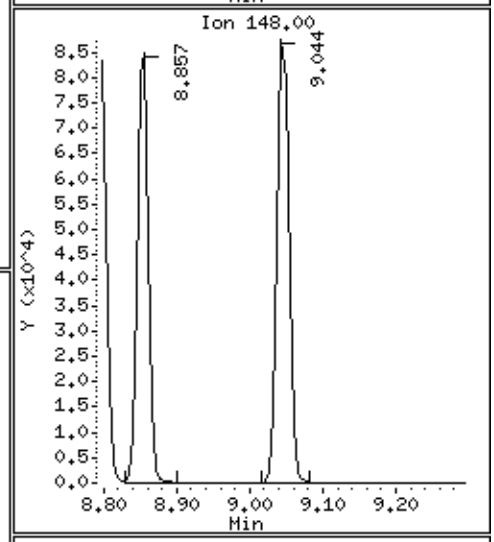


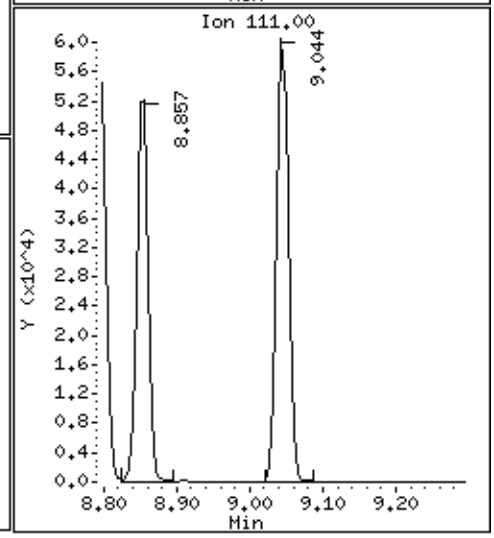












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

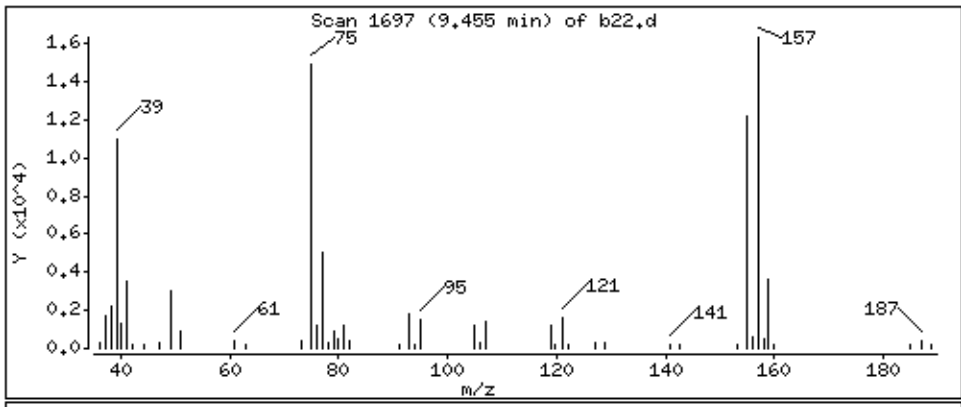
Column phase: DB-624

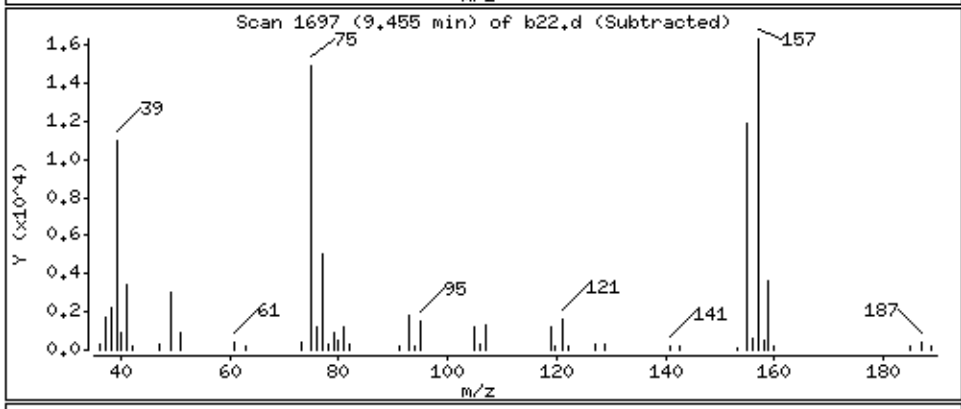
Column diameter: 0.18

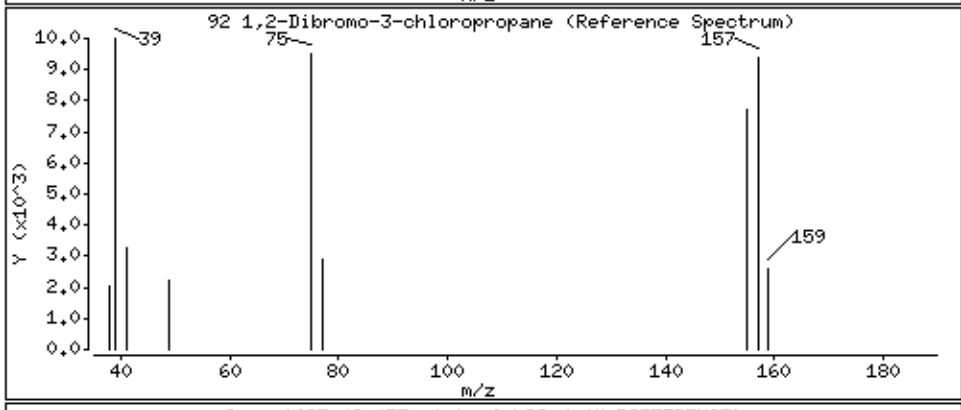
92 1,2-Dibromo-3-chloropropane

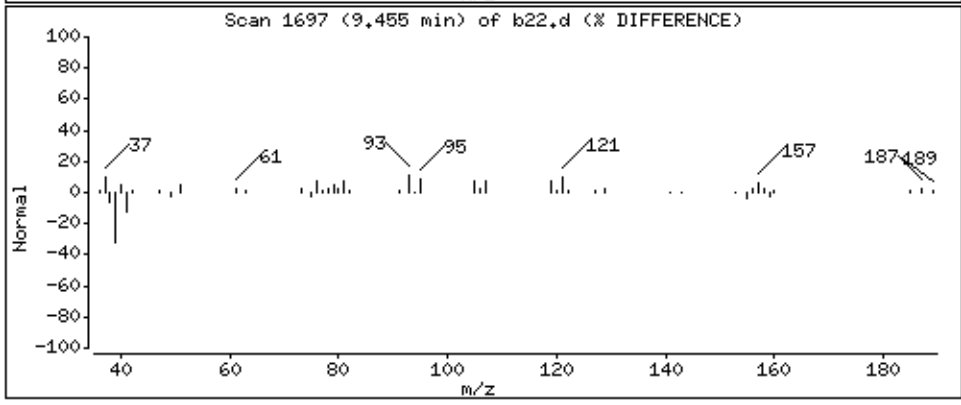
Concentration: 53.7 ppb

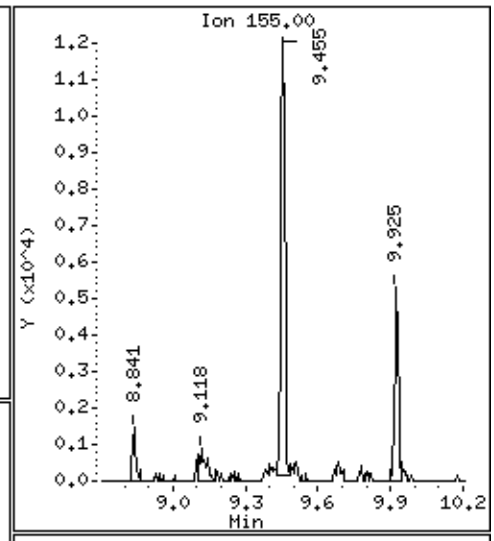
Review Code:

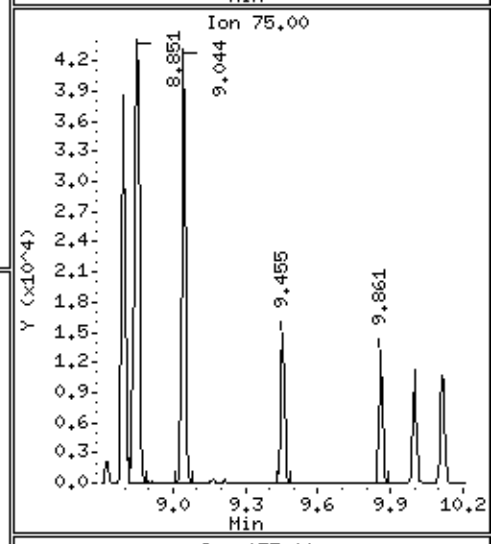


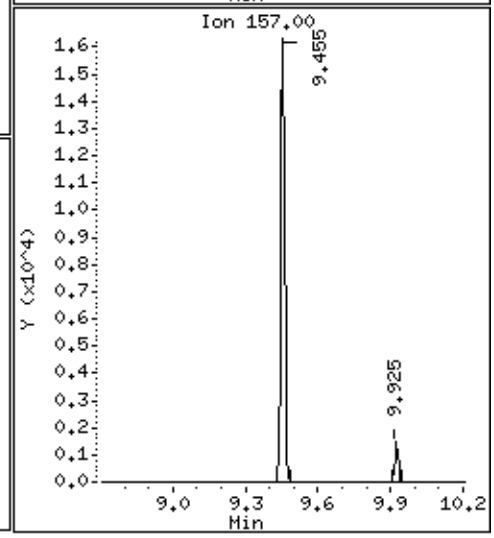












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

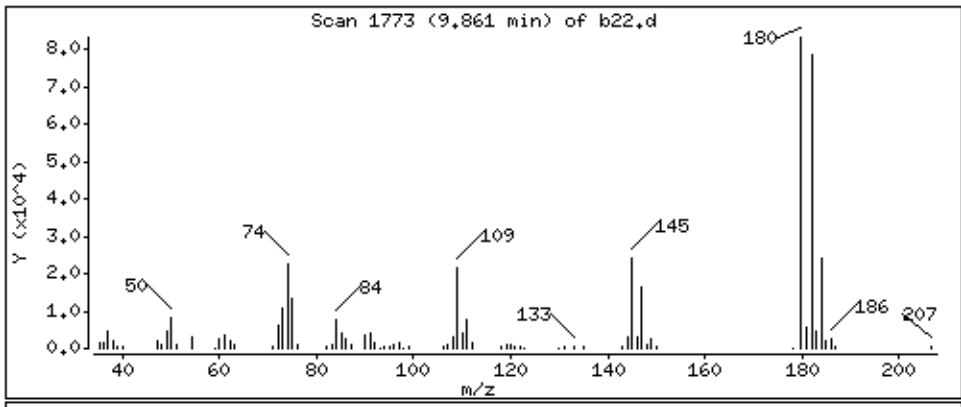
Column phase: DB-624

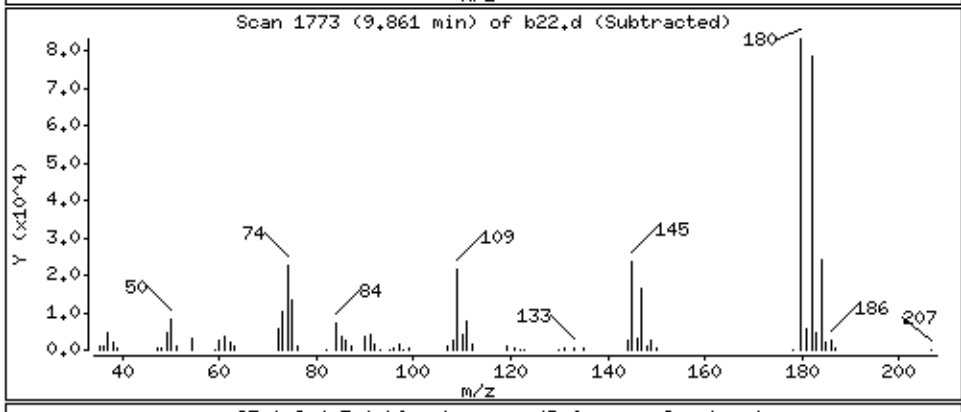
Column diameter: 0.18

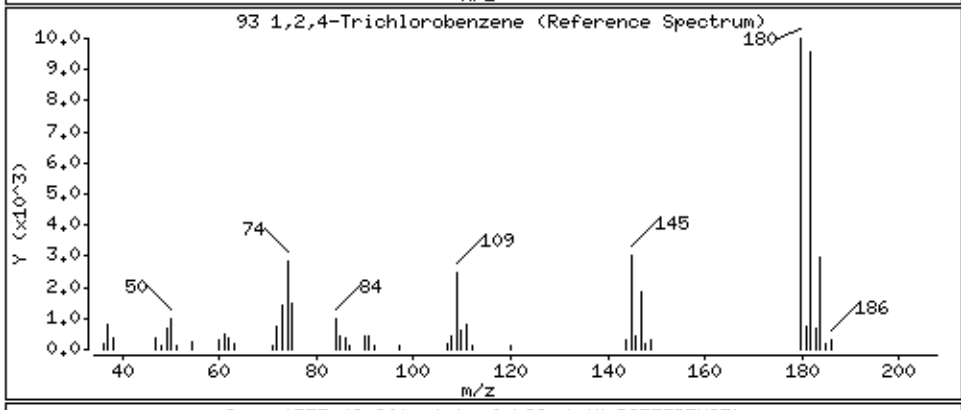
93 1,2,4-Trichlorobenzene

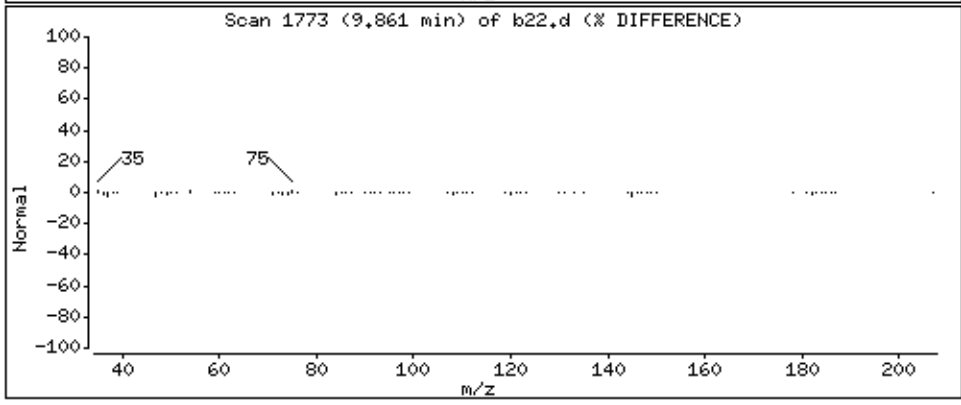
Concentration: 32.6 ppb

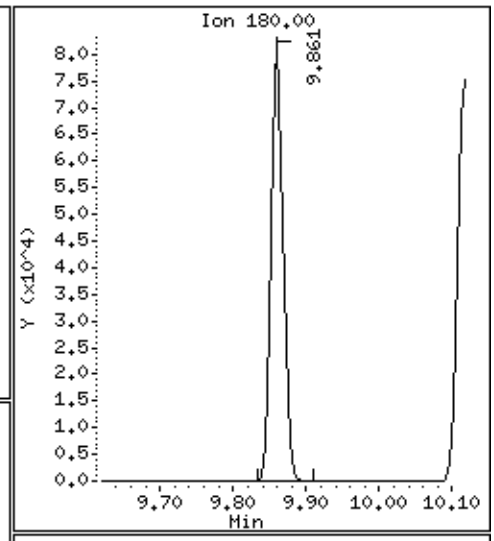
Review Code:

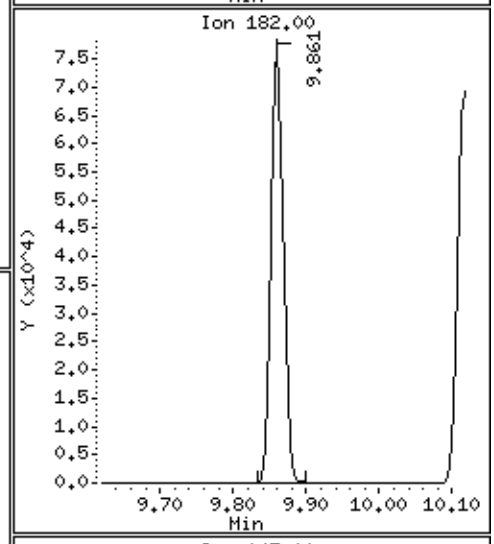


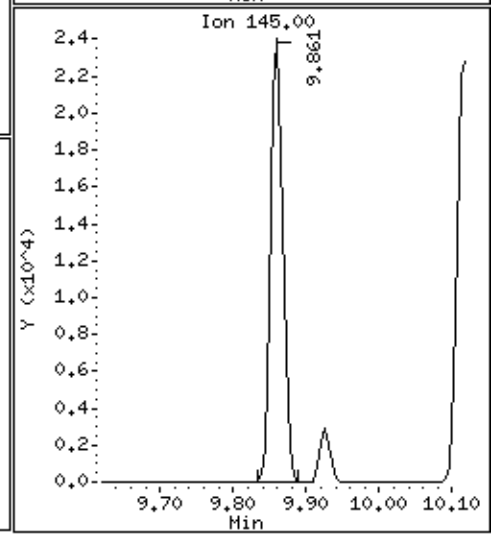












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

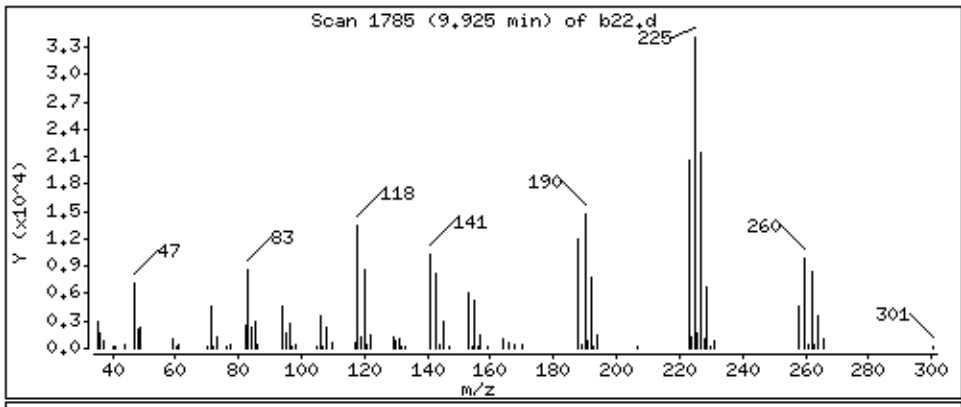
Column phase: DB-624

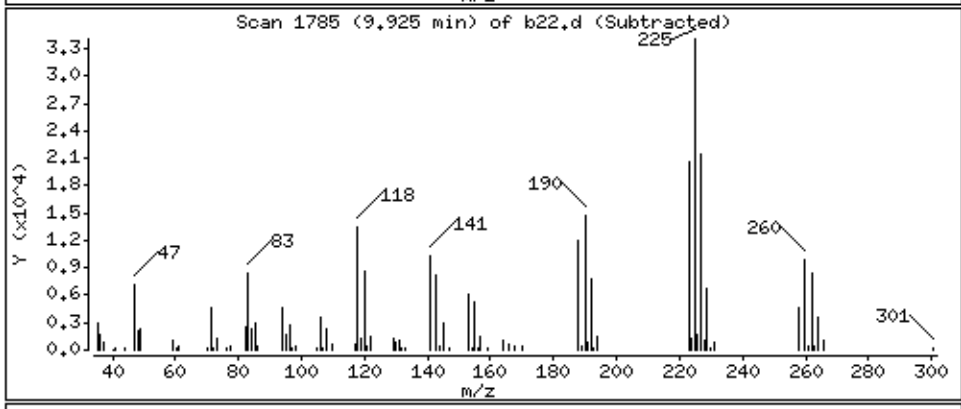
Column diameter: 0.18

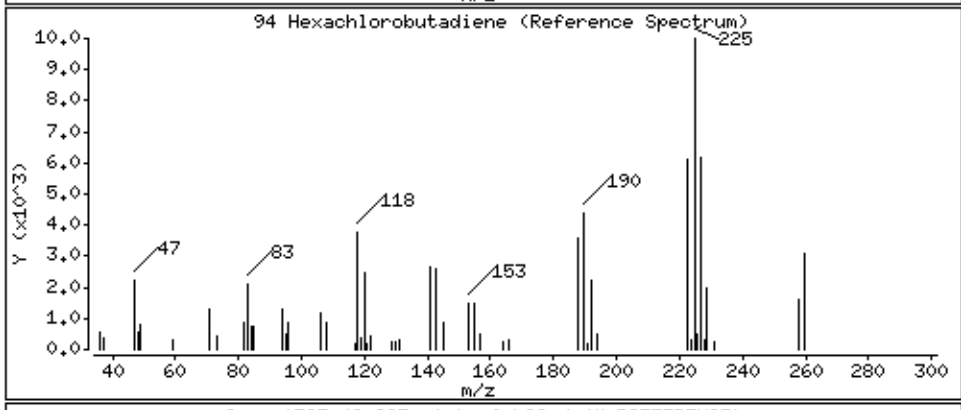
94 Hexachlorobutadiene

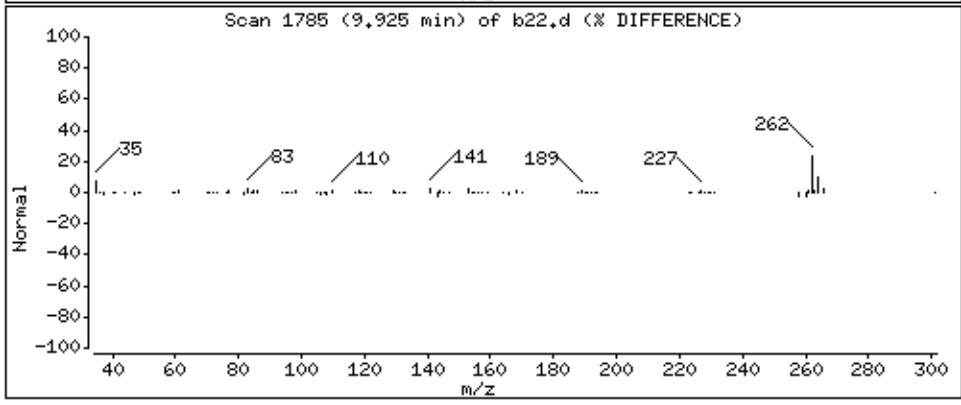
Concentration: 20.9 ppb

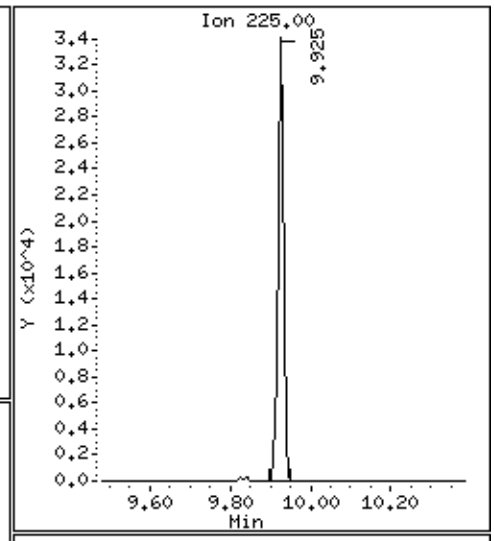
Review Code:

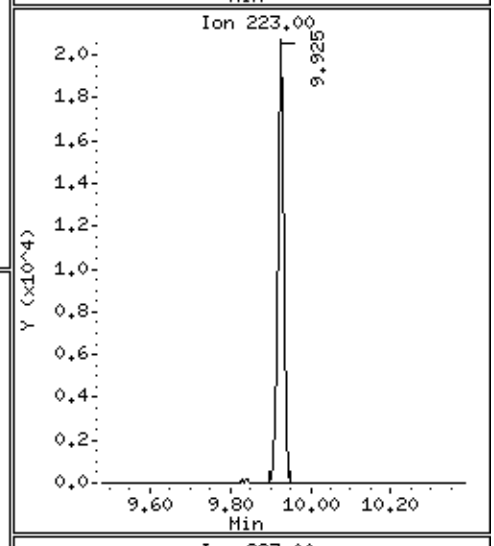


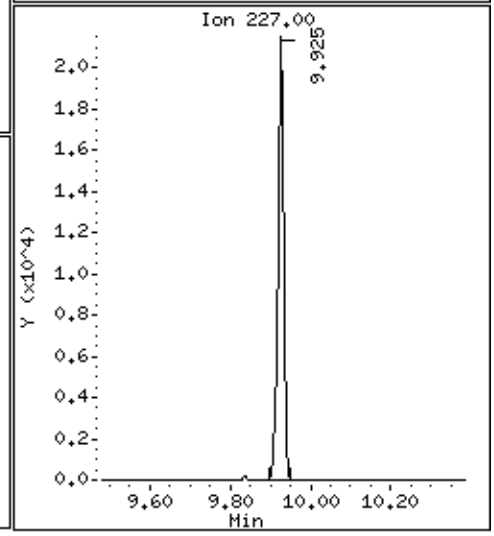












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

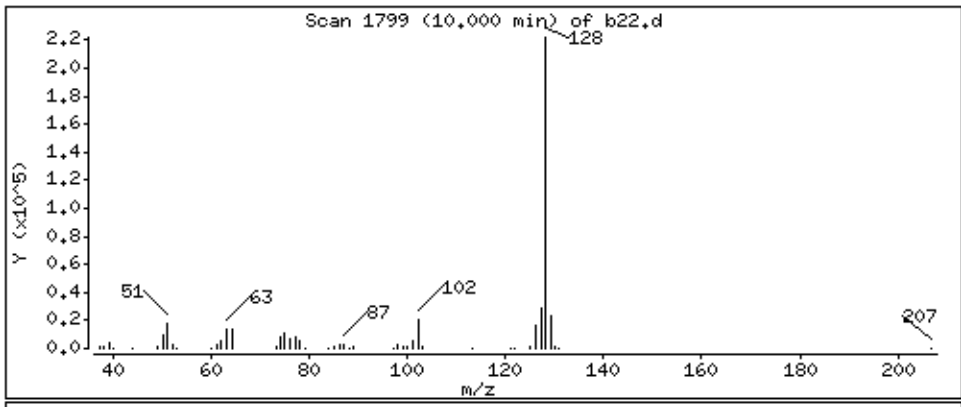
Column phase: DB-624

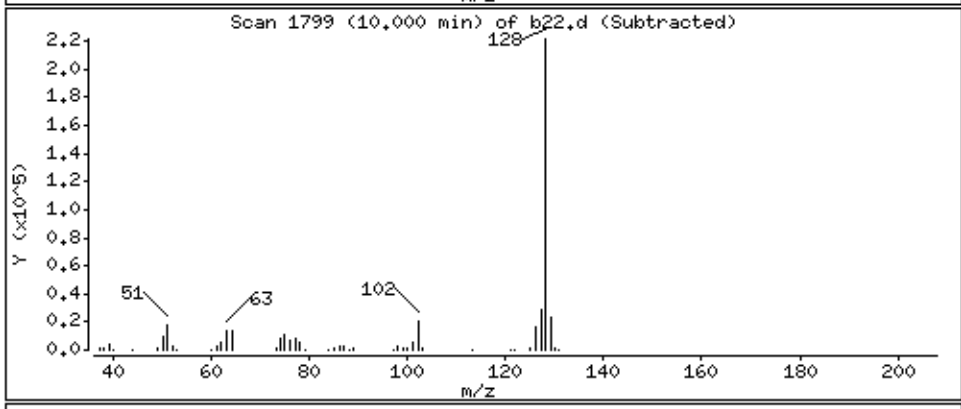
Column diameter: 0.18

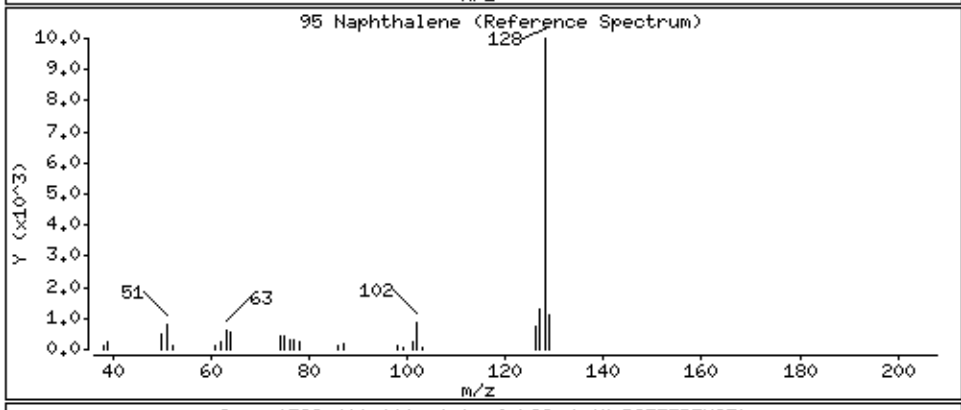
95 Naphthalene

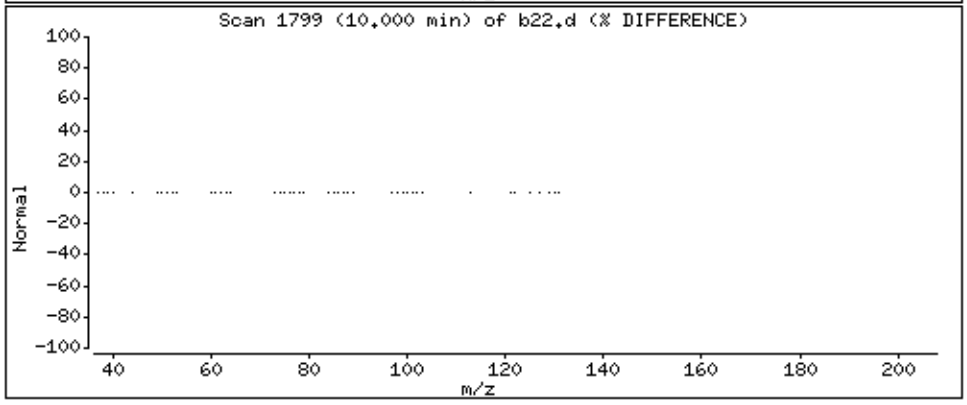
Concentration: 47.0 ppb

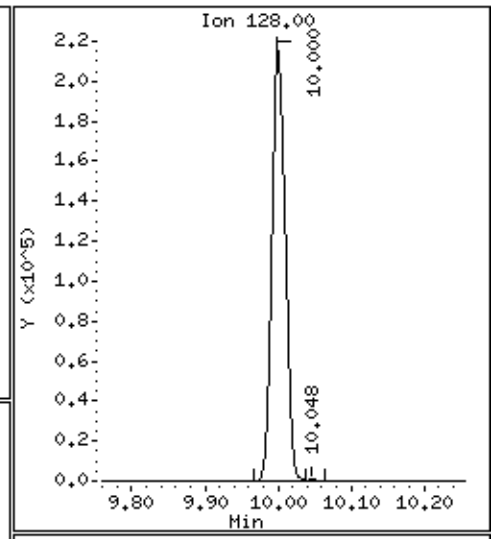
Review Code:

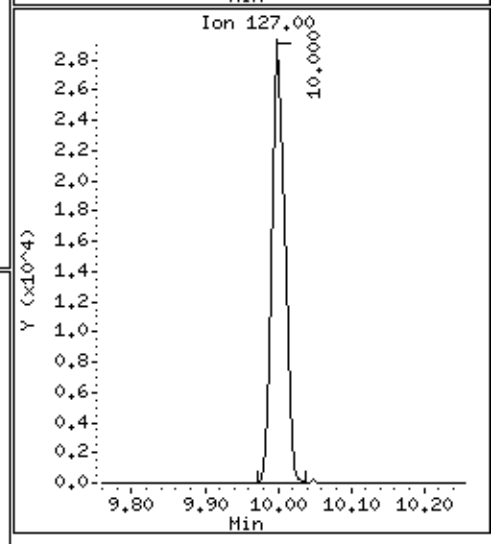












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

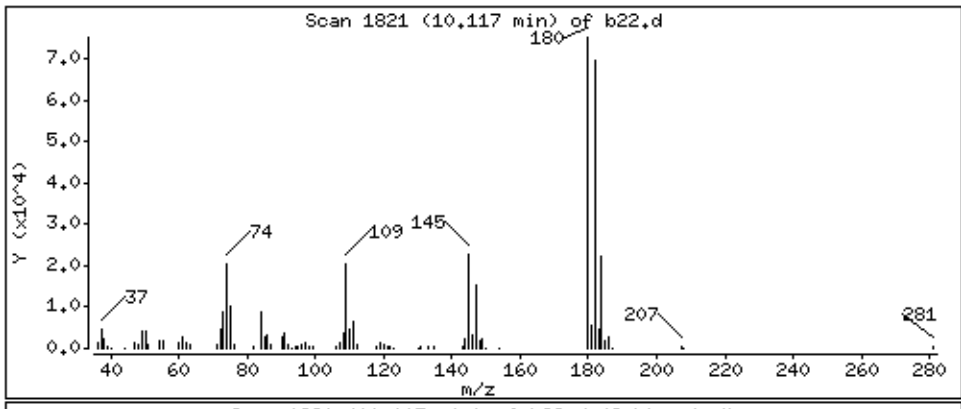
Column phase: DB-624

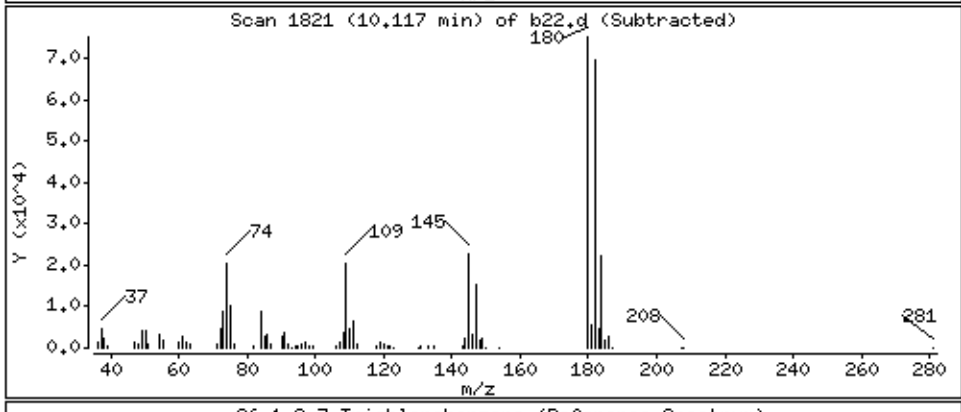
Column diameter: 0.18

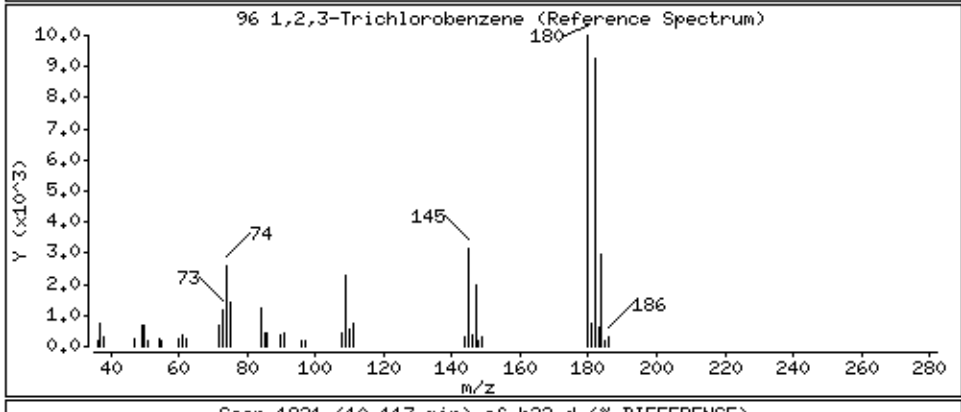
96 1,2,3-Trichlorobenzene

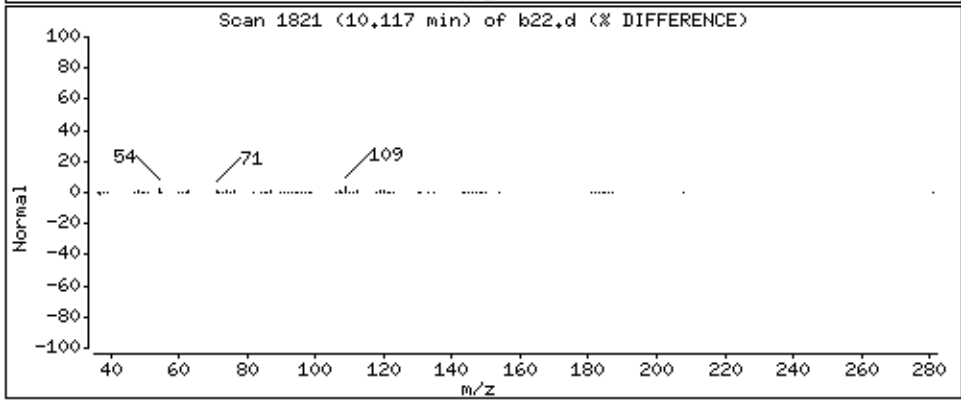
Concentration: 36.8 ppb

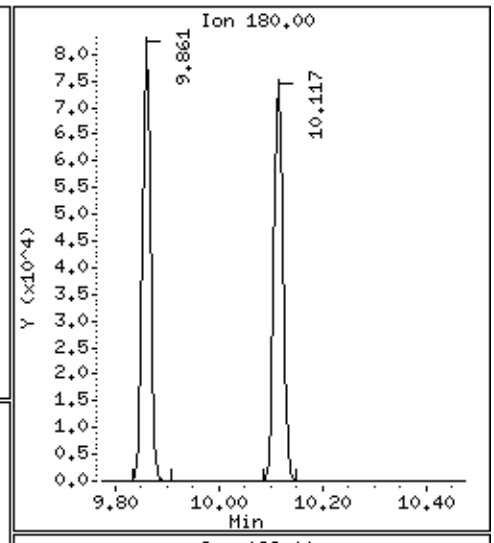
Review Code:

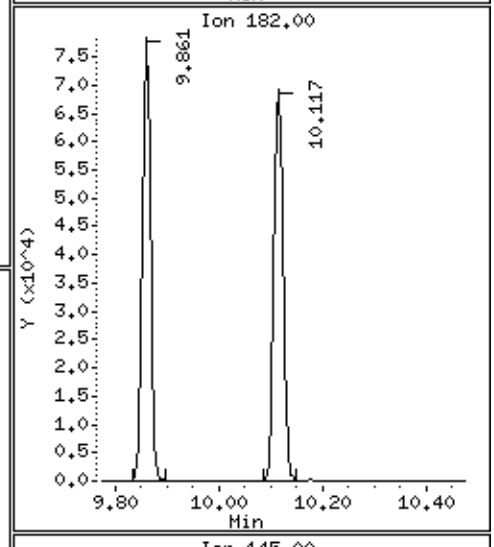


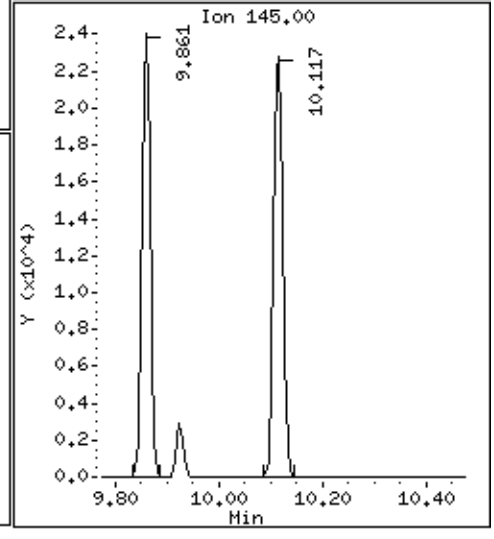












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

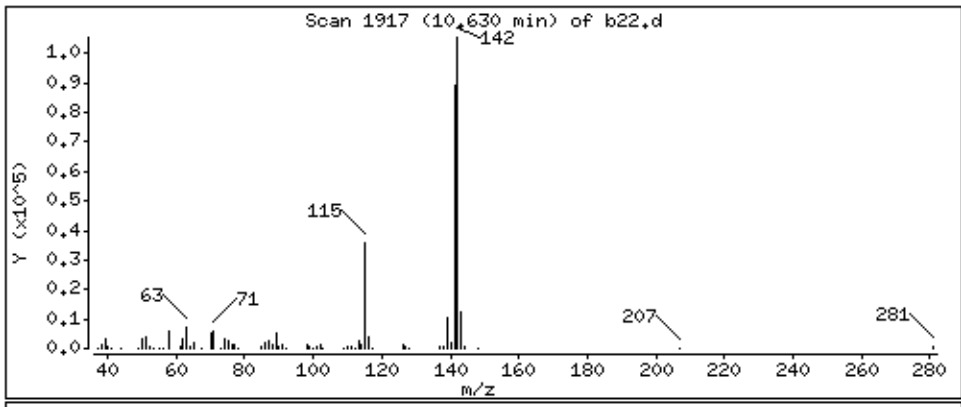
Column phase: DB-624

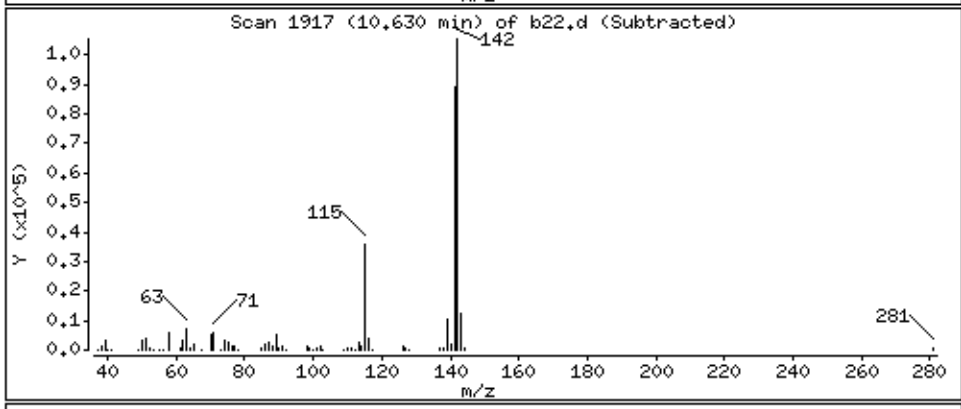
Column diameter: 0.18

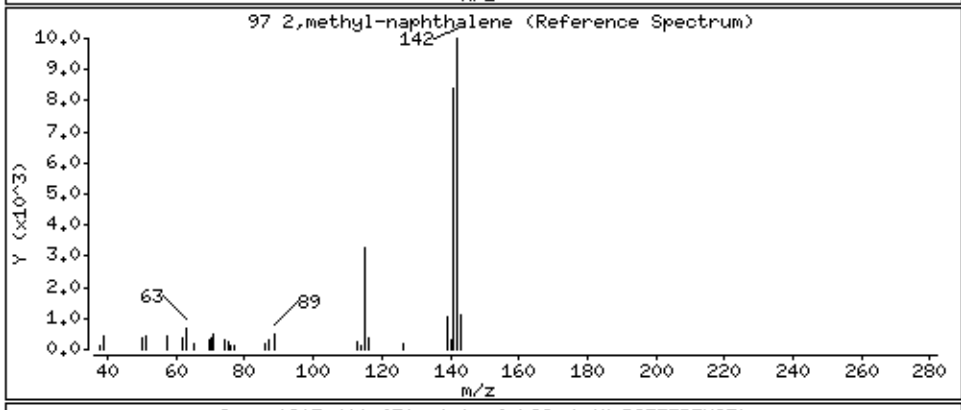
97 2,methyl-naphthalene

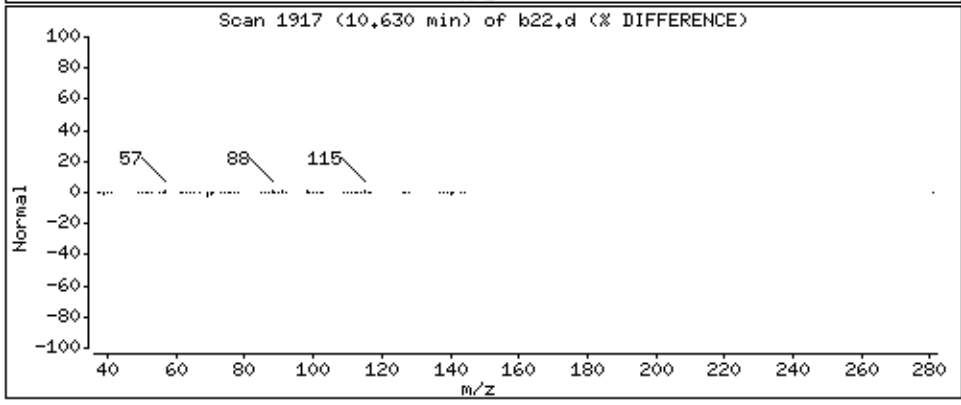
Concentration: 42.2 ppb

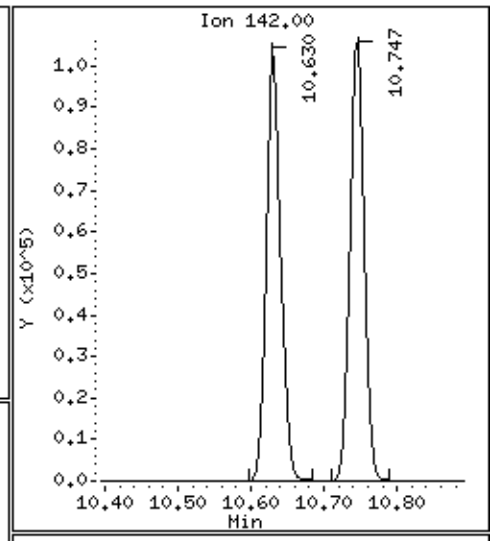
Review Code:

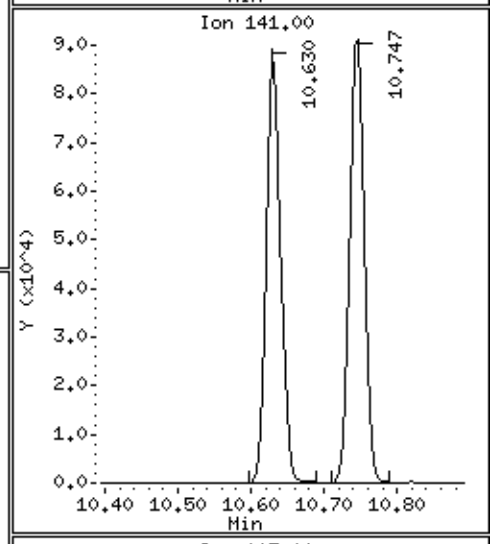


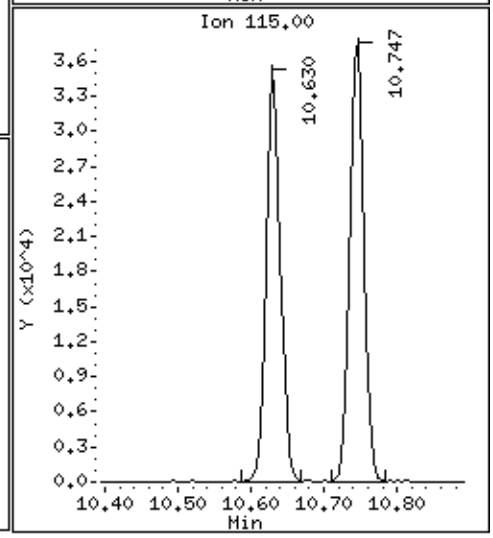












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

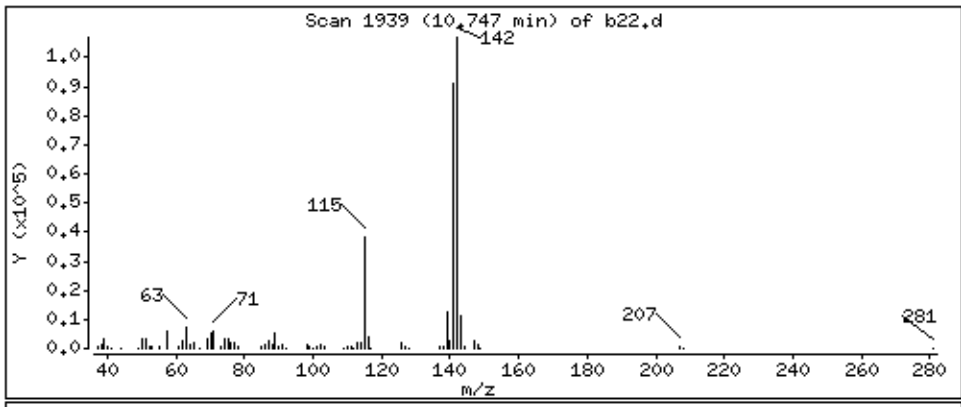
Column phase: DB-624

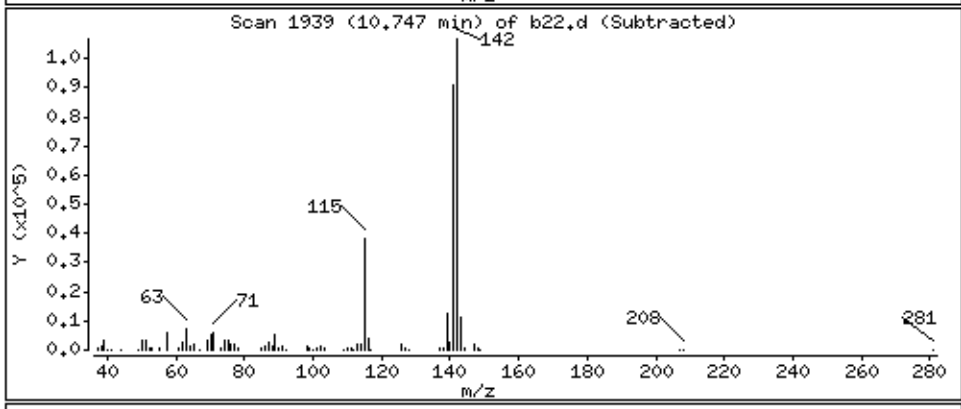
Column diameter: 0.18

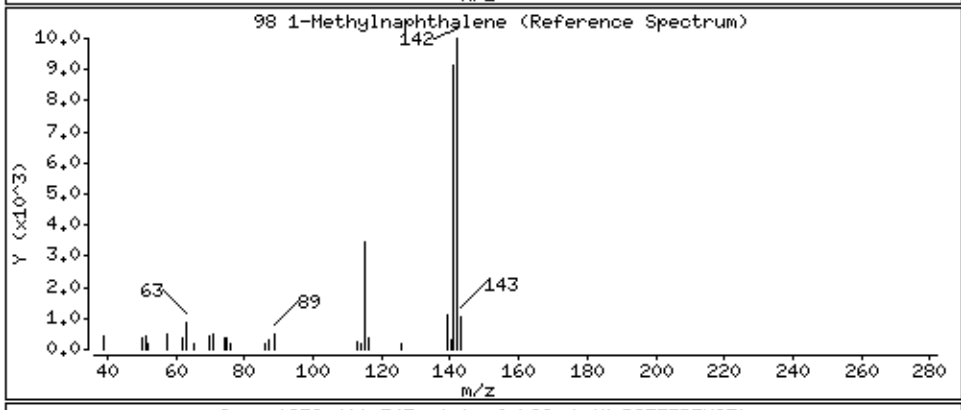
98 1-Methylnaphthalene

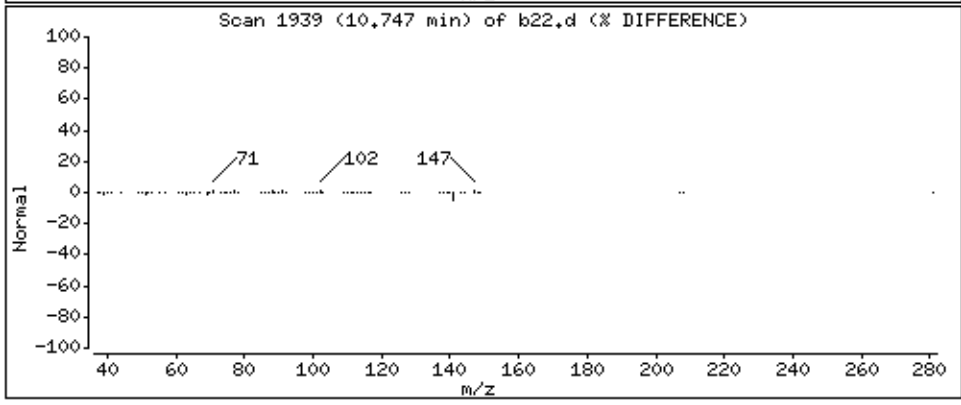
Concentration: 55.1 ppb

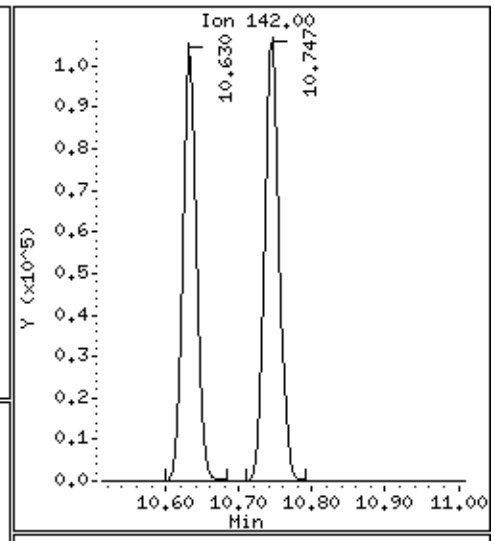
Review Code:

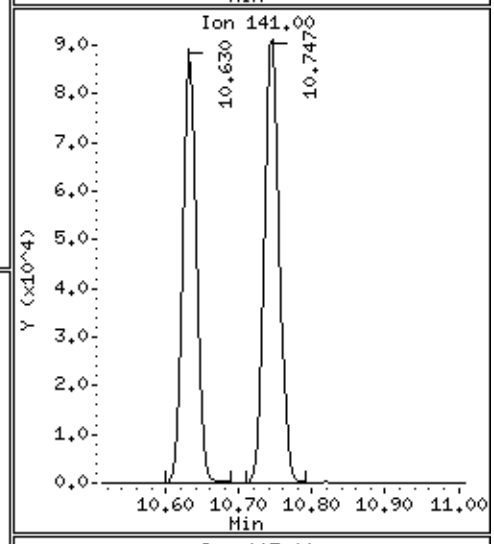


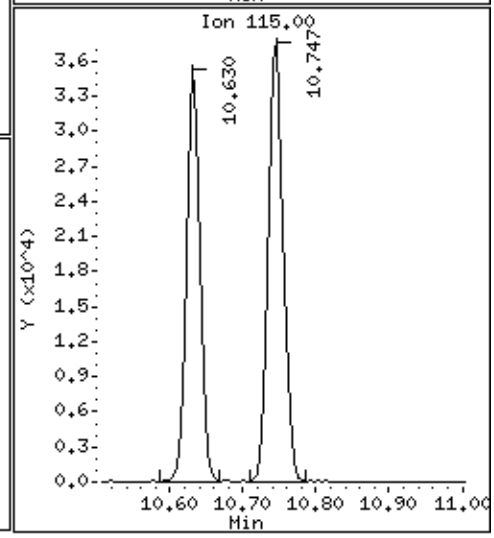












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

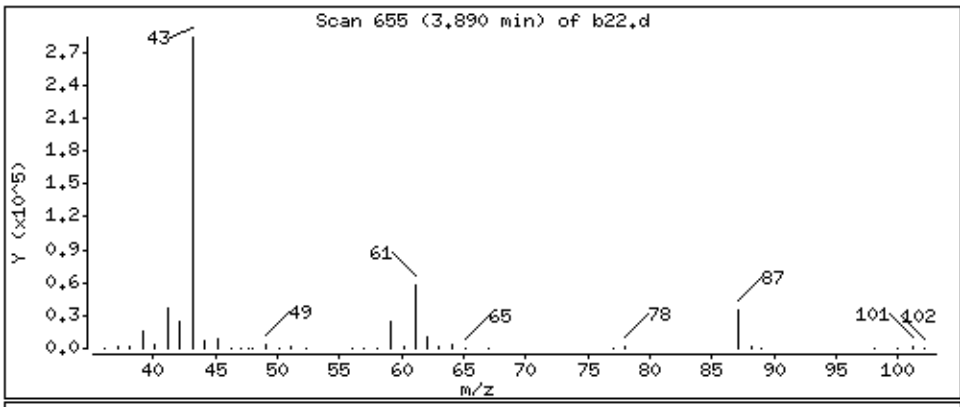
Column phase: DB-624

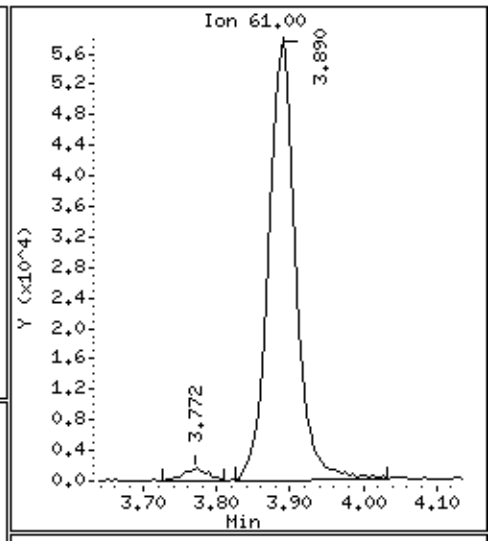
Column diameter: 0.18

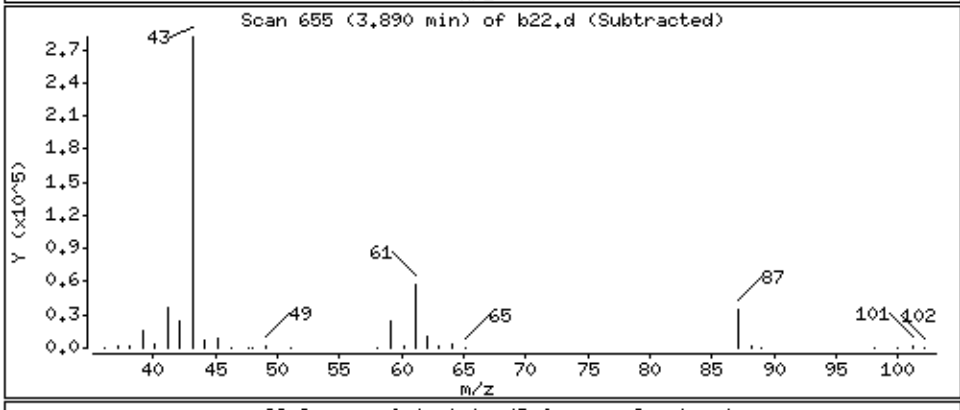
99 Isopropyl Acetate

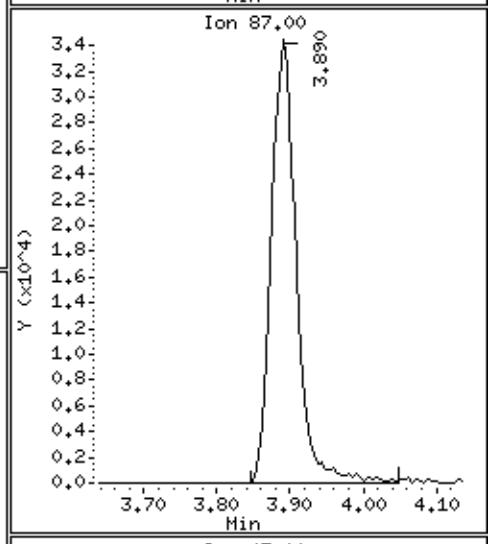
Concentration: 323 ppb

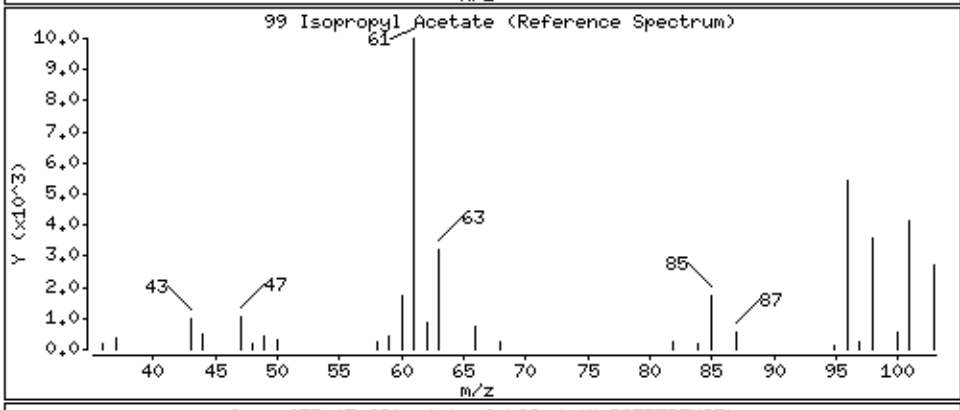
Review Code:

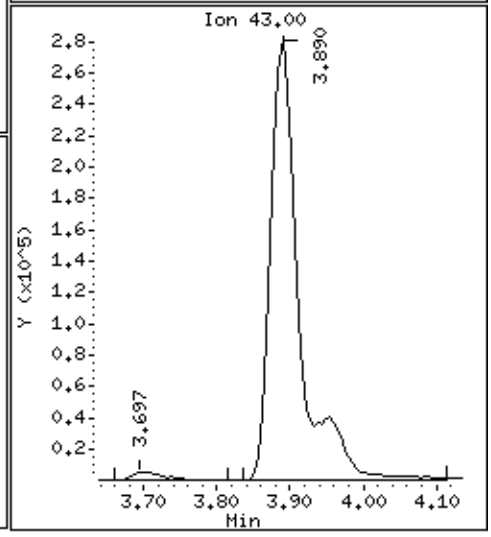


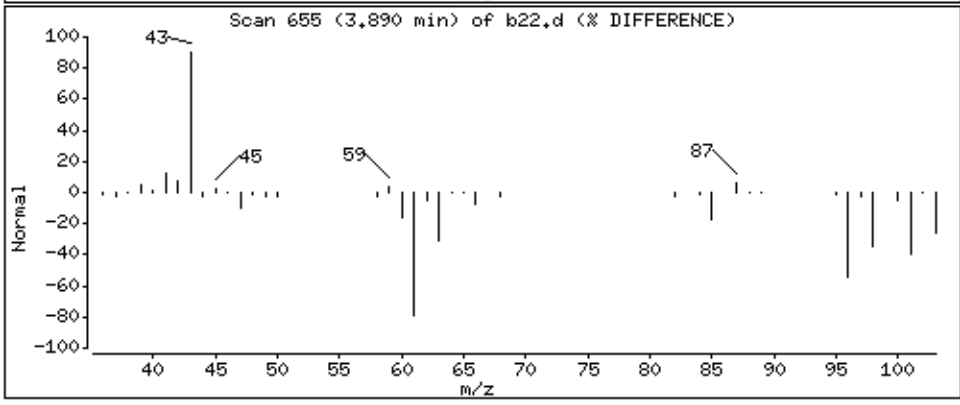












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

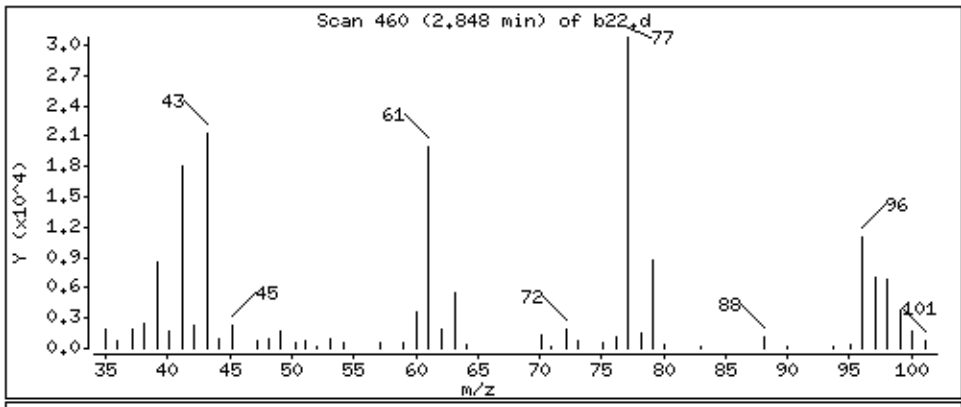
Column phase: DB-624

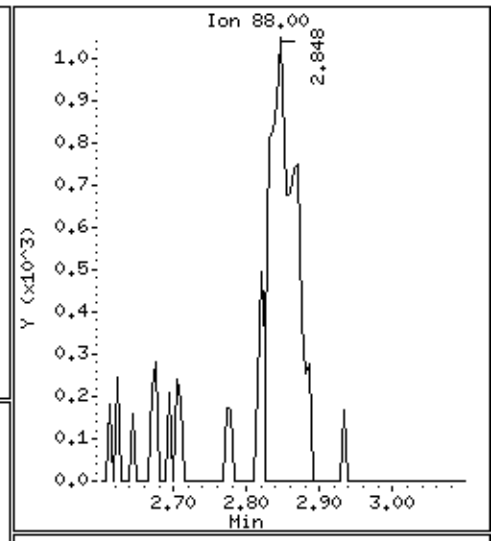
Column diameter: 0.18

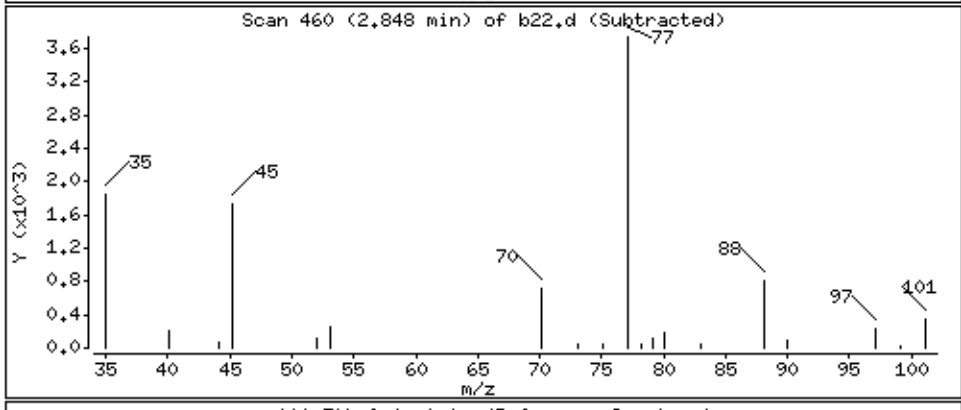
100 Ethyl Acetate

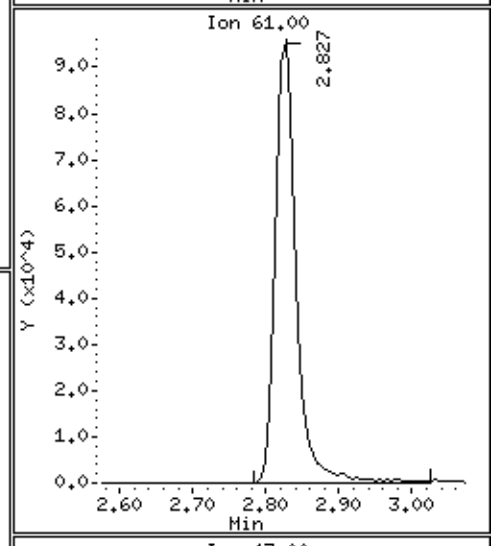
Concentration: 52.1 ppb

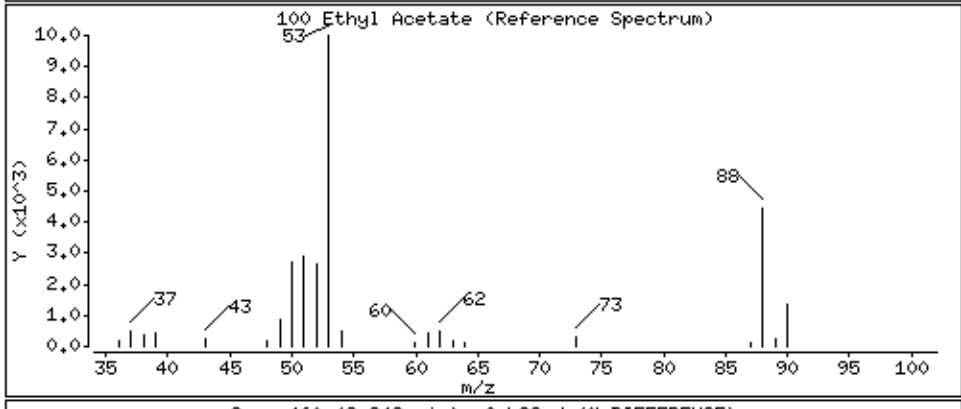
Review Code:

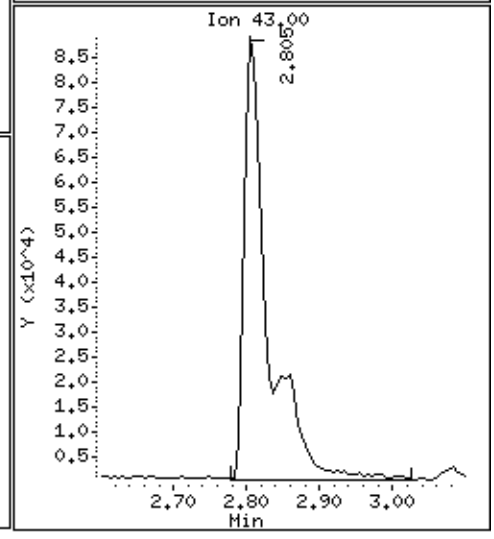


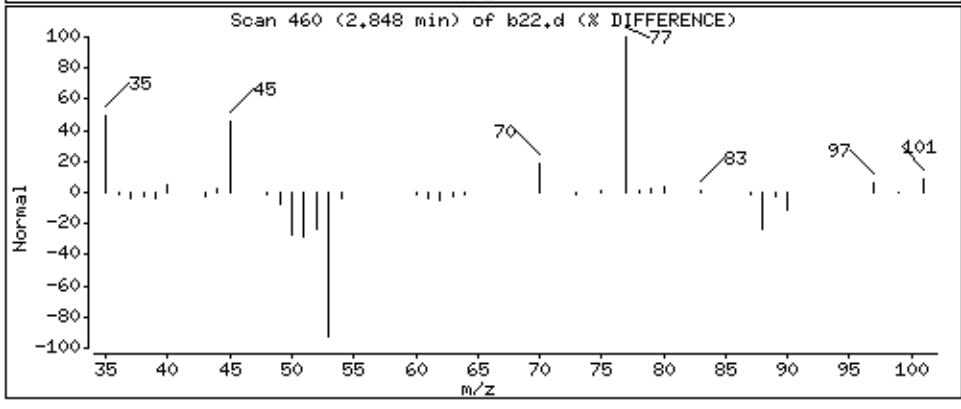












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\b22.d

Date : 06-OCT-2016 23:57

Client ID: MW-0501-S1(092716)P

Instrument: 50mv3b.i

Sample Info: 1642752,132007:5

Purge Volume: 5.0

Operator: jlz

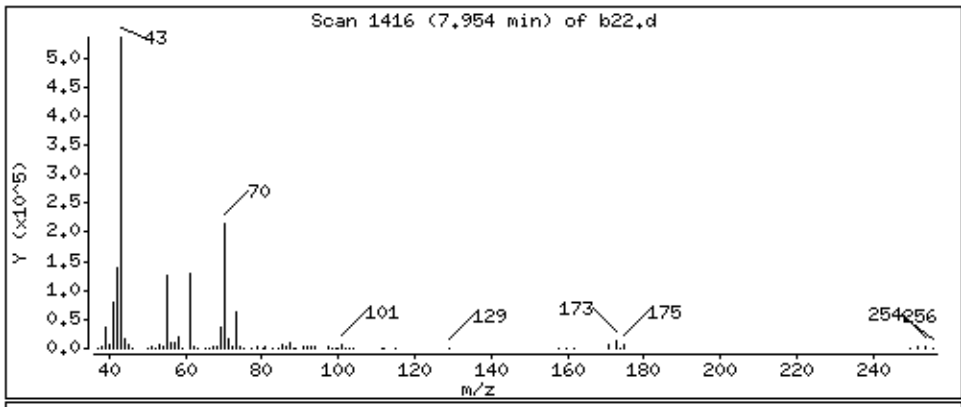
Column phase: DB-624

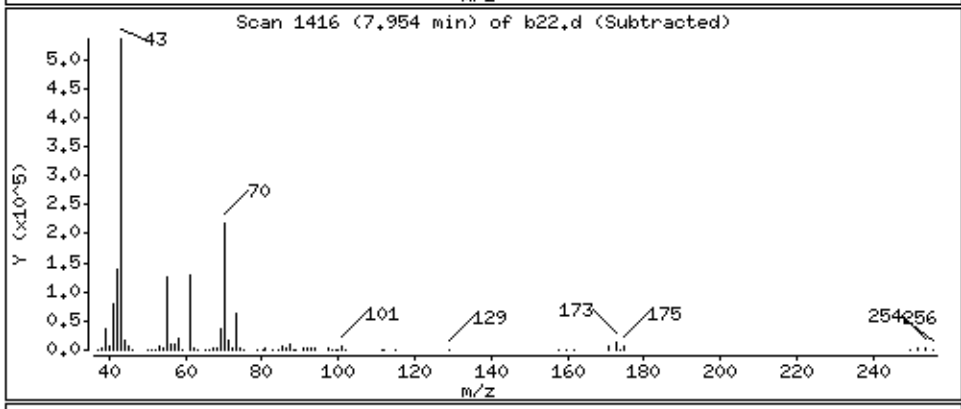
Column diameter: 0.18

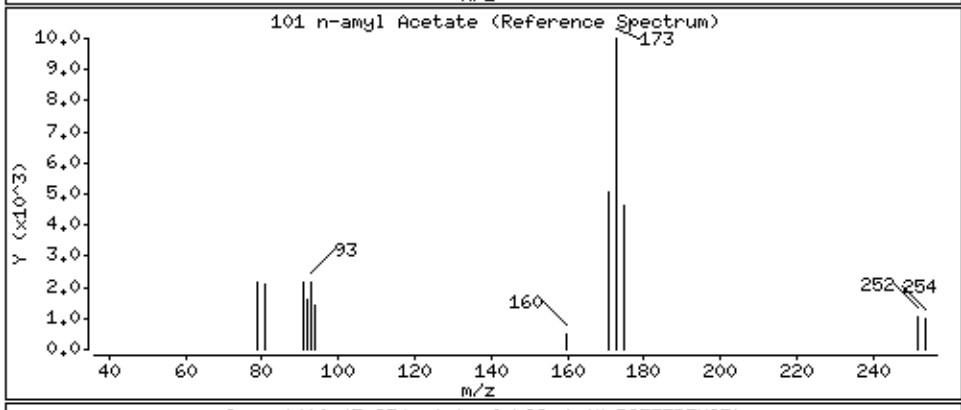
101 n-amyl Acetate

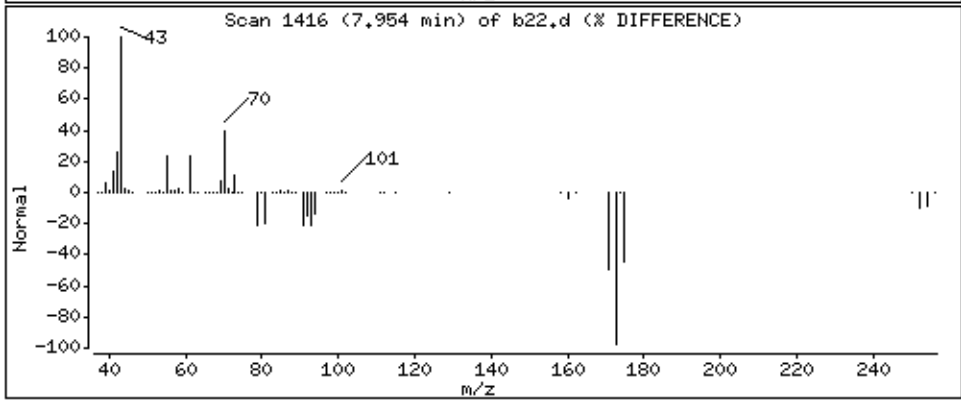
Concentration: 75.1 ppb

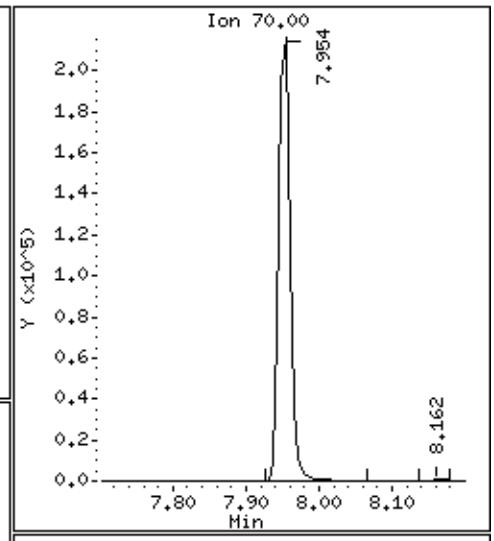
Review Code:

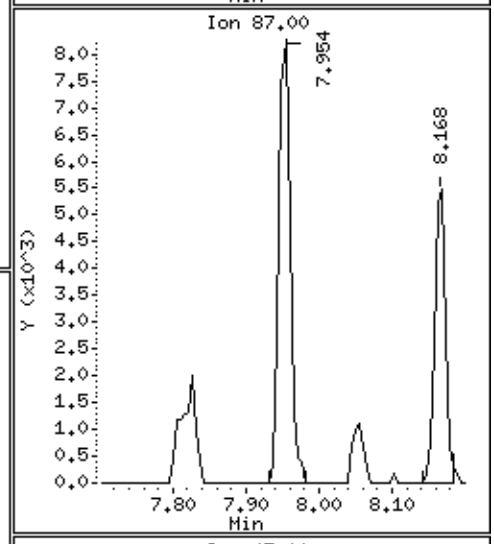


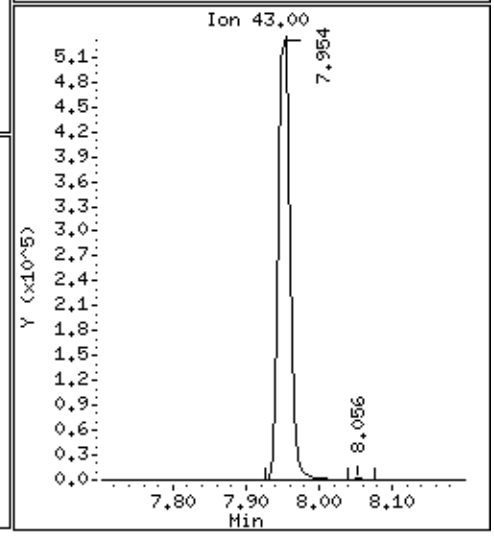












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Injection Date: 06-OCT-2016 23:57
Instrument: 50mv3b.i
Lab Sample ID: 1642752
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 01:49 Lab Sample ID: 1642764

Date Analyzed: 10/07/2016 01:49 Lab File ID: A100616.B\C03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 01:49 Lab Sample ID: 1642764

Date Analyzed: 10/07/2016 01:49 Lab File ID: A100616.B\C03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c03mbw.d
Lab Smp Id: 1642764 Client Smp ID: MB
Inj Date : 07-OCT-2016 01:49
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1642764
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 53 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

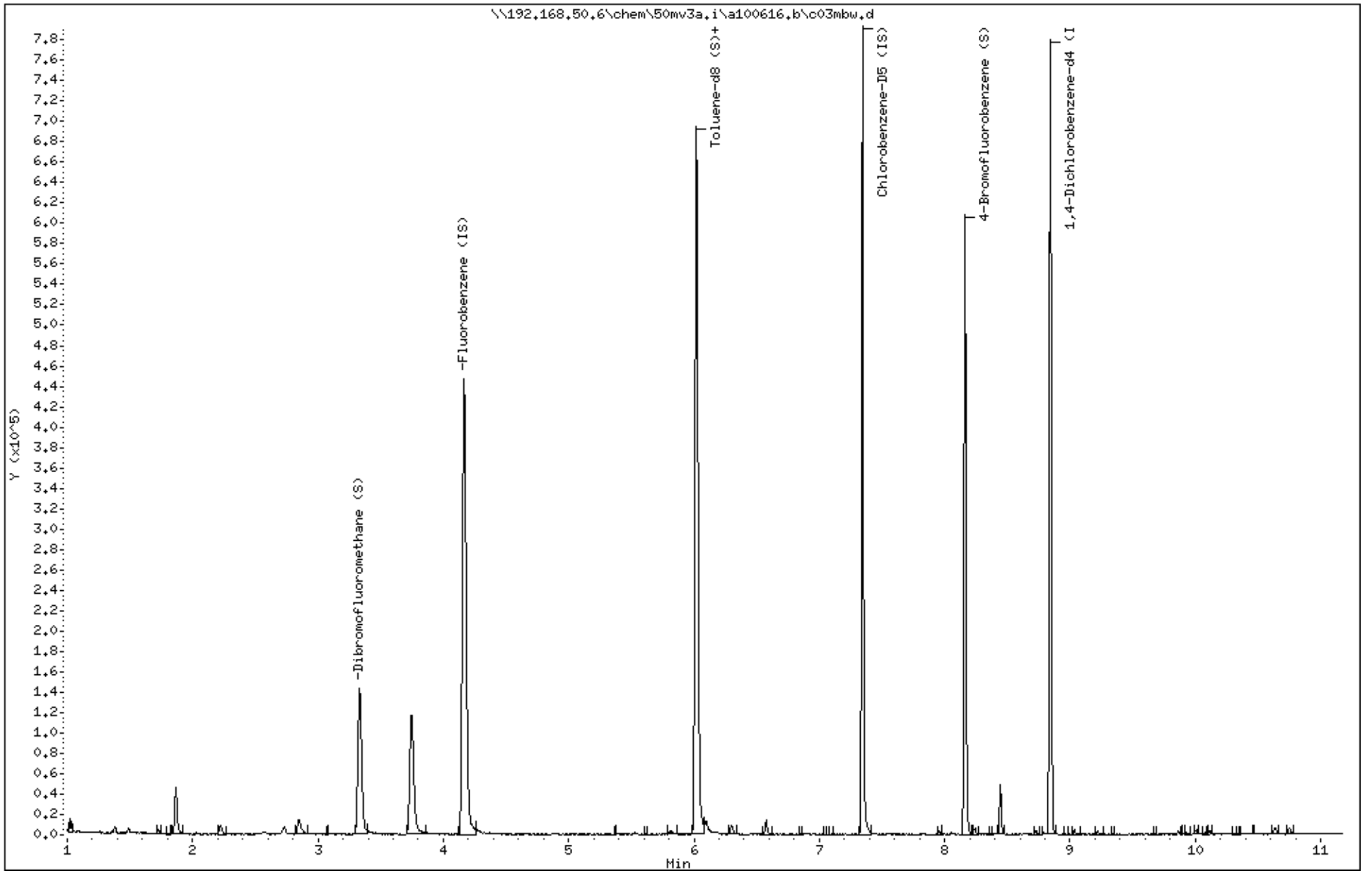
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.863	1.864	(0.447)	14537	4.29232	4.29	
$	35 Dibromofluoromethane (S)	113	3.331	3.328	(0.800)	95435	46.8421	46.8	
*	45 Fluorobenzene (IS)	96	4.165	4.166	(1.000)	450564	50.0000		
$	56 Toluene-d8 (S)	98	6.018	6.020	(0.820)	431440	46.8736	46.9	
	57 Toluene	91	6.098	6.089	(0.831)	4781	0.43752	0.438	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.344	(1.000)	296846	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.165	8.161	(1.112)	138135	52.1913	52.2	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.843	8.840	(1.000)	132738	50.0000		
	96 Naphthalene	128	10.008	10.009	(1.132)	3250	0.62178	0.622	
	98 2,methyl-naphthalene	142	10.638	10.645	(1.203)	3152	0.92378	0.924	

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c03mbw.d
Date : 07-OCT-2016 01:49
Client ID: MB
Sample Info: 1642764
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c03mbw.d

Date : 07-OCT-2016 01:49

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1642764

Purge Volume: 5.0

Operator: jlz

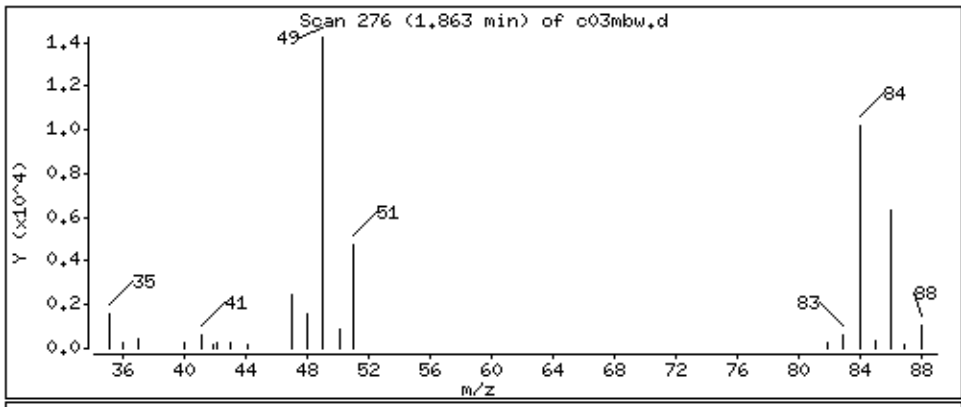
Column phase: DB-624

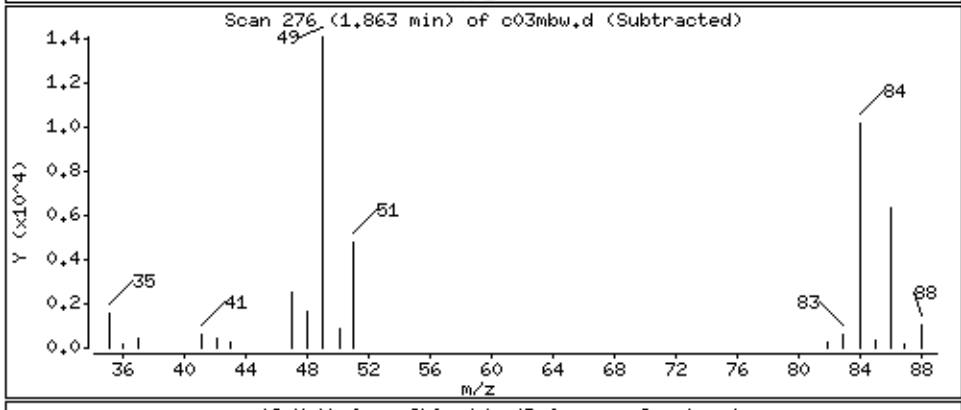
Column diameter: 0.18

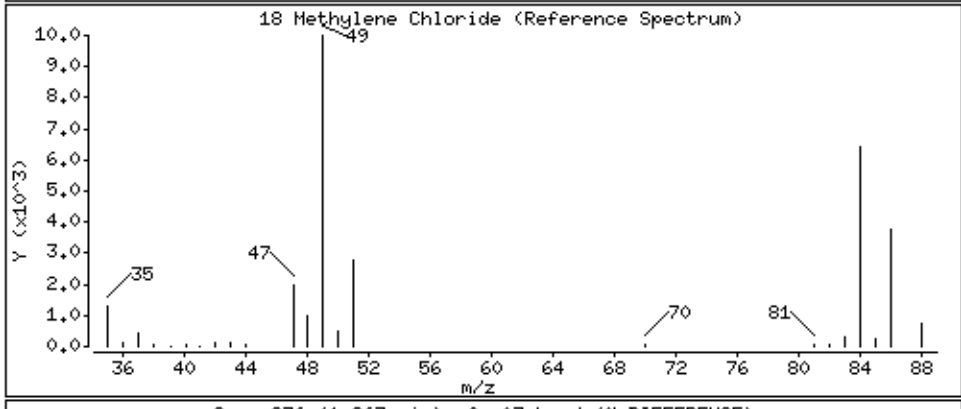
18 Methylene Chloride

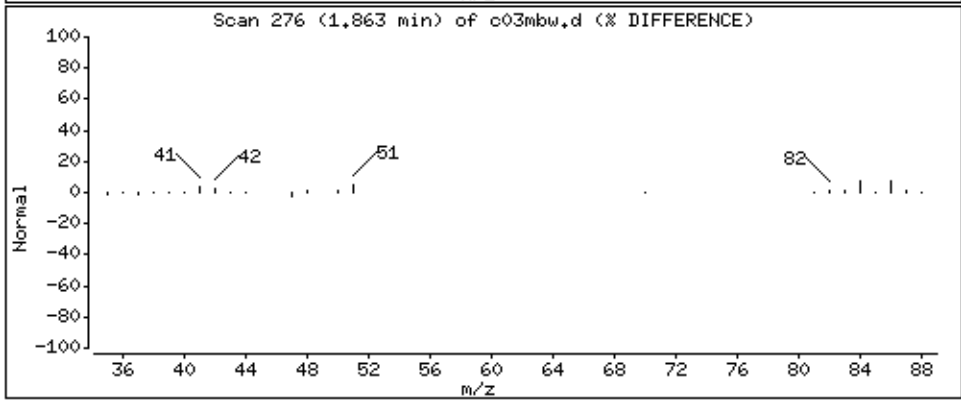
Concentration: 4.29 ppb

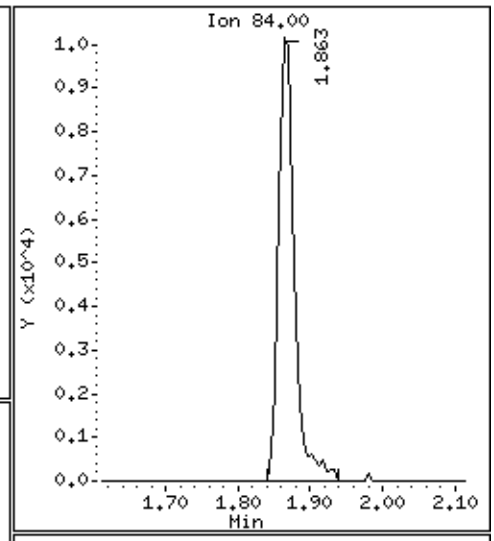
Review Code:

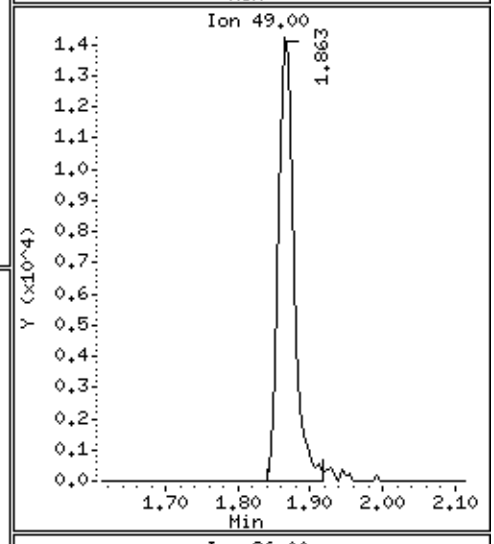


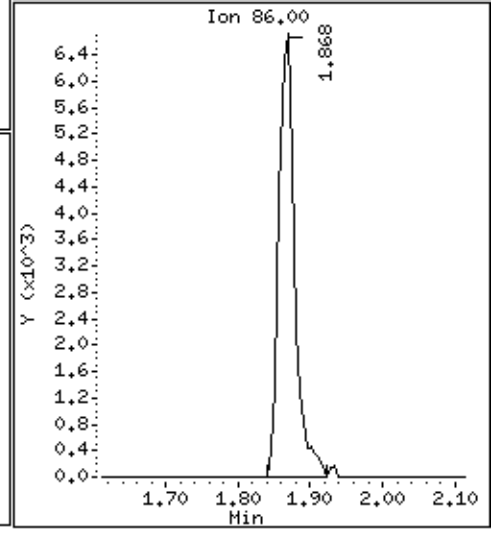












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c03mbw.d

Date : 07-OCT-2016 01:49

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1642764

Purge Volume: 5.0

Operator: jlz

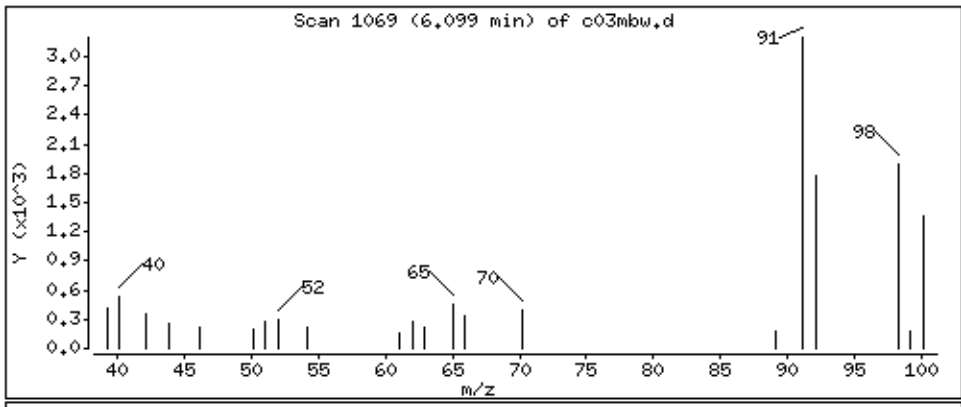
Column phase: DB-624

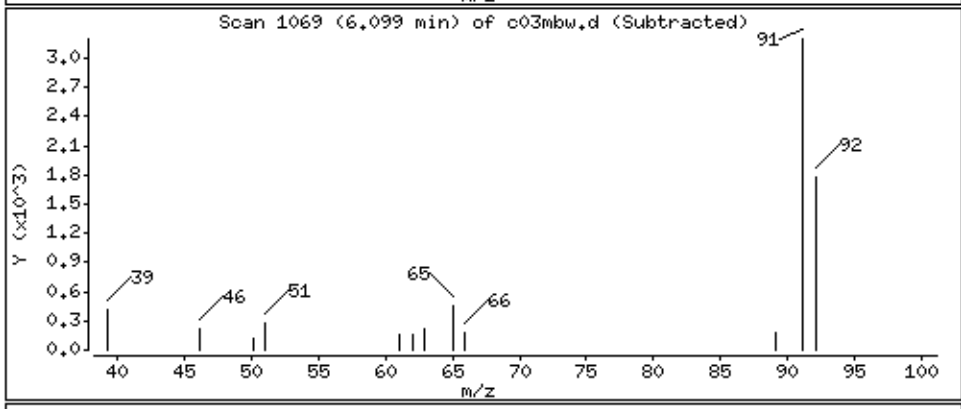
Column diameter: 0.18

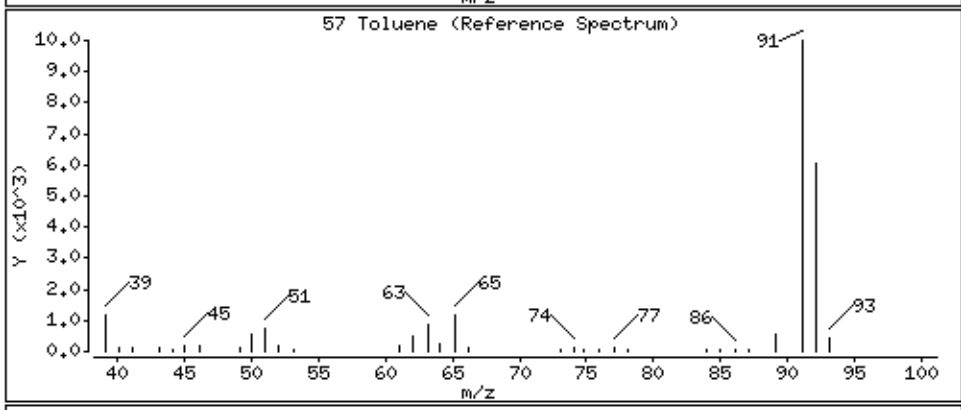
57 Toluene

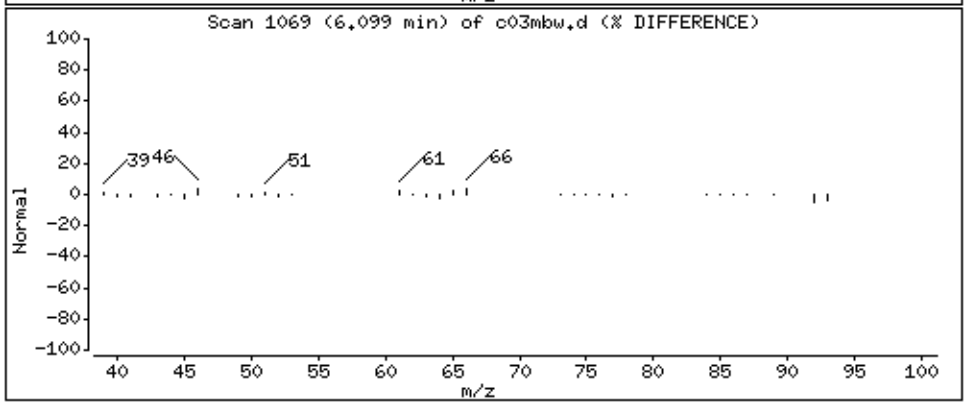
Concentration: 0.438 ppb

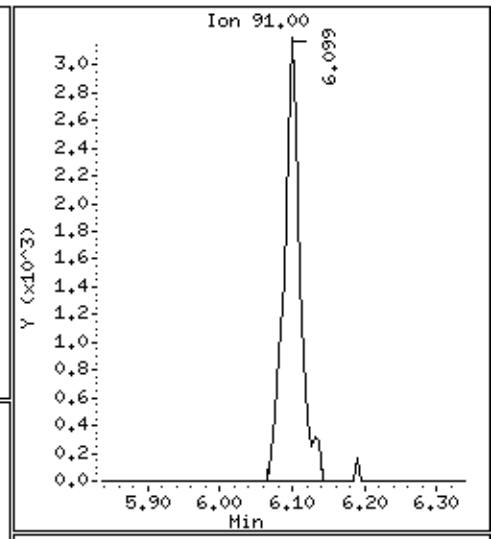
Review Code:

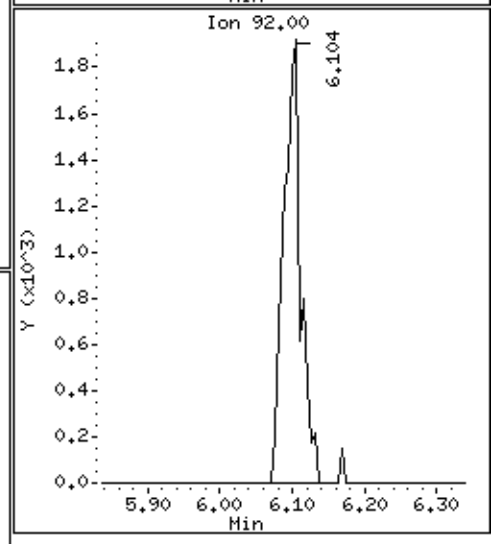












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c03mbw.d

Date : 07-OCT-2016 01:49

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1642764

Purge Volume: 5.0

Operator: jlz

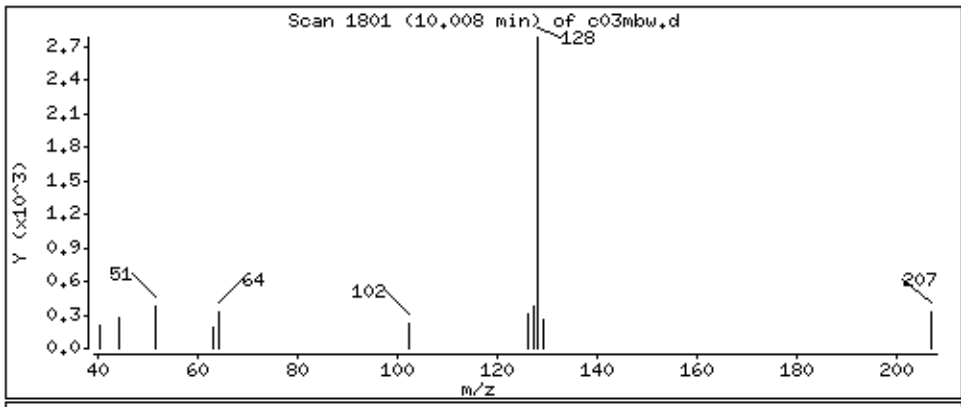
Column phase: DB-624

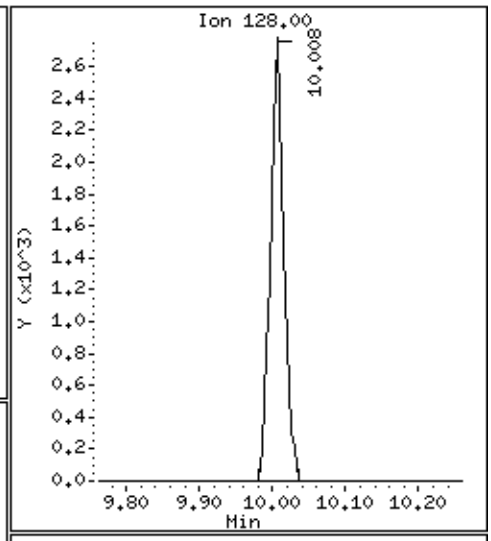
Column diameter: 0.18

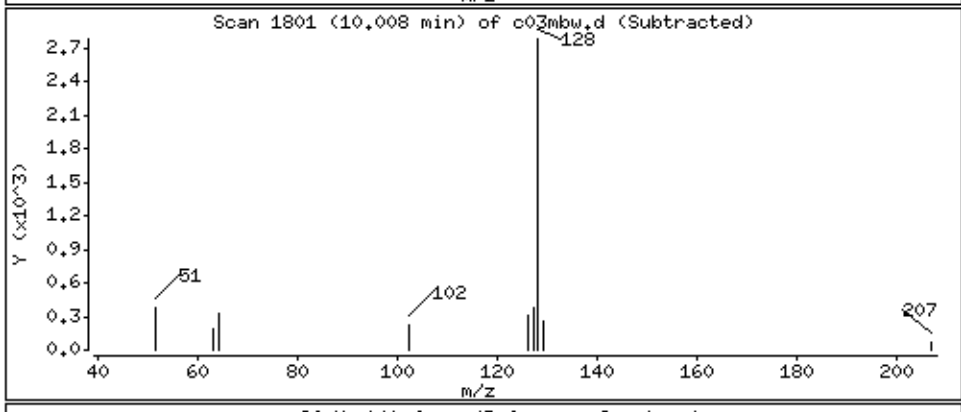
96 Naphthalene

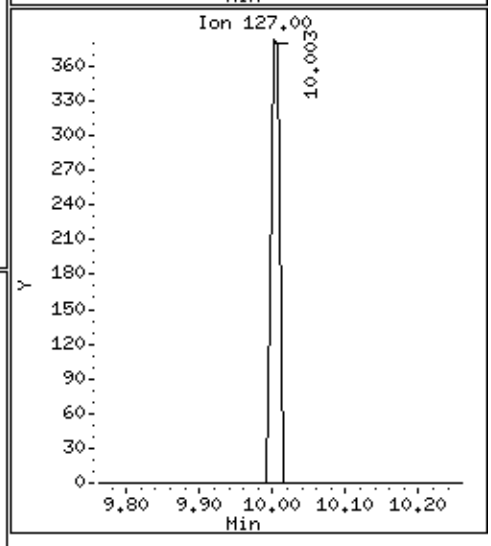
Concentration: 0.622 ppb

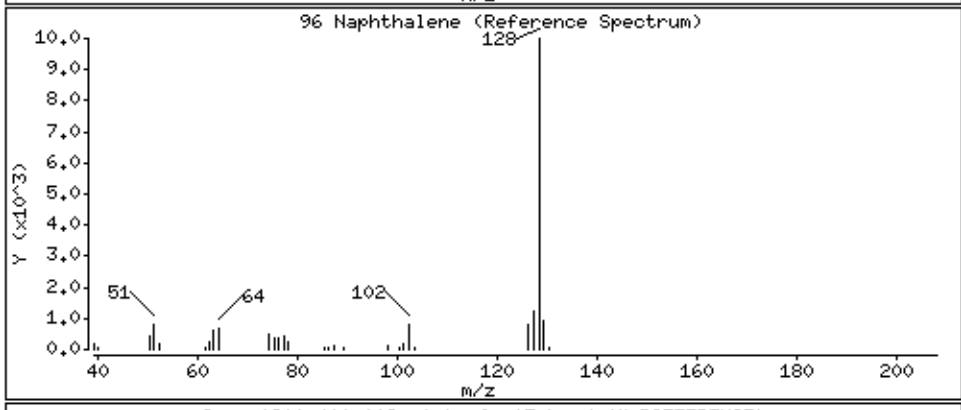
Review Code:

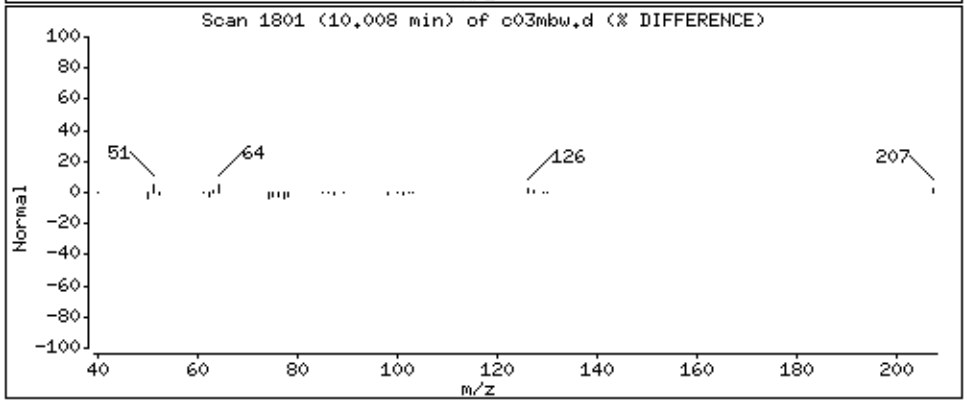












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c03mbw.d

Date : 07-OCT-2016 01:49

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1642764

Purge Volume: 5.0

Operator: jlz

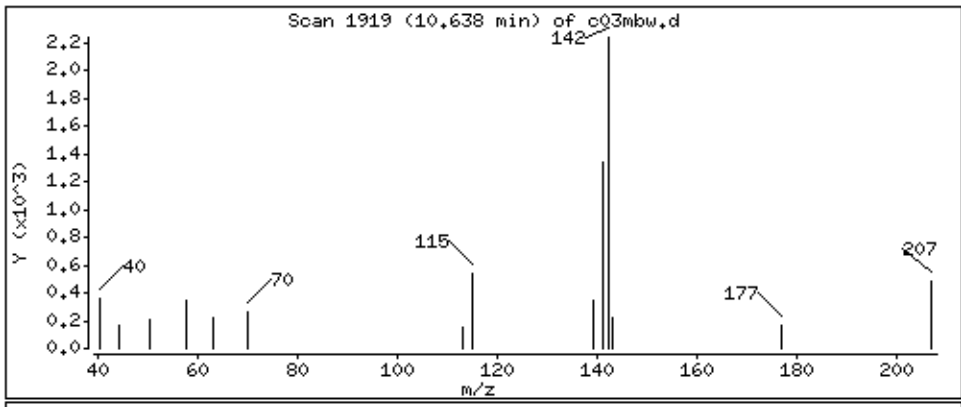
Column phase: DB-624

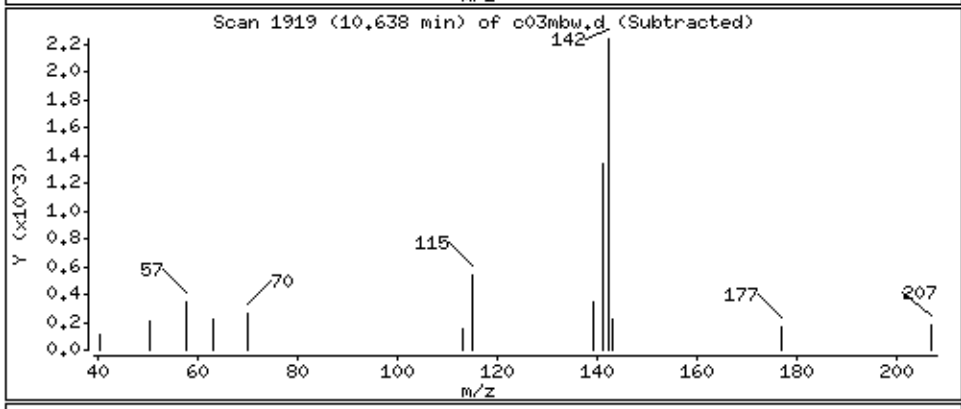
Column diameter: 0.18

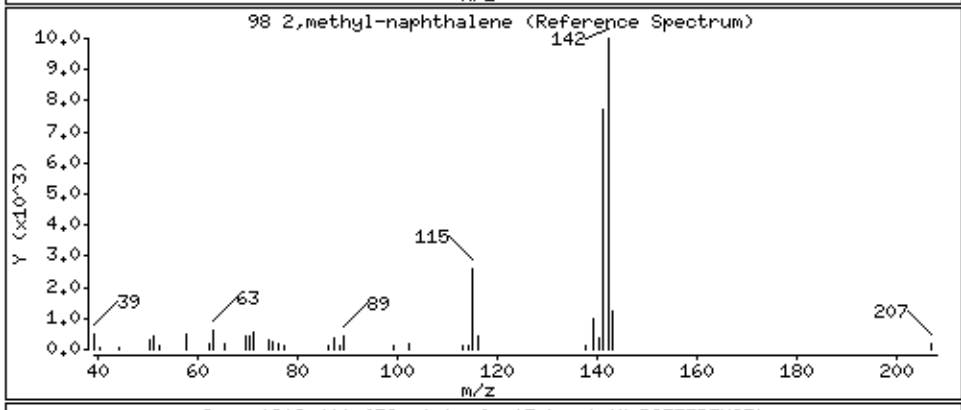
98 2,methyl-naphthalene

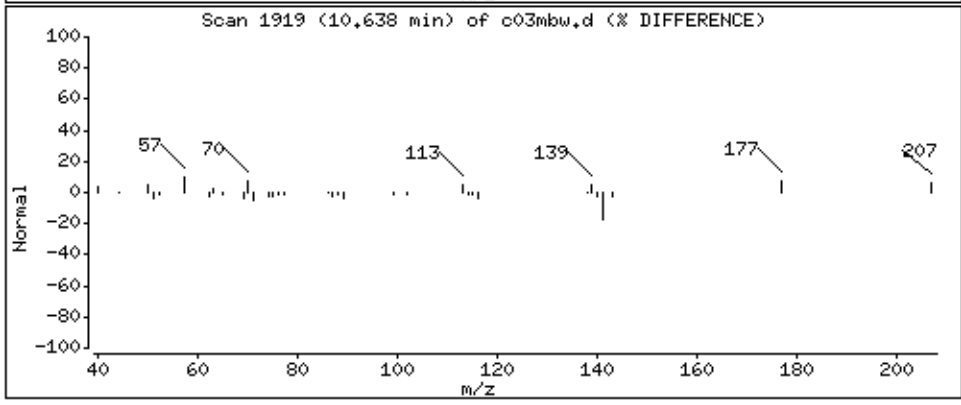
Concentration: 0.924 ppb

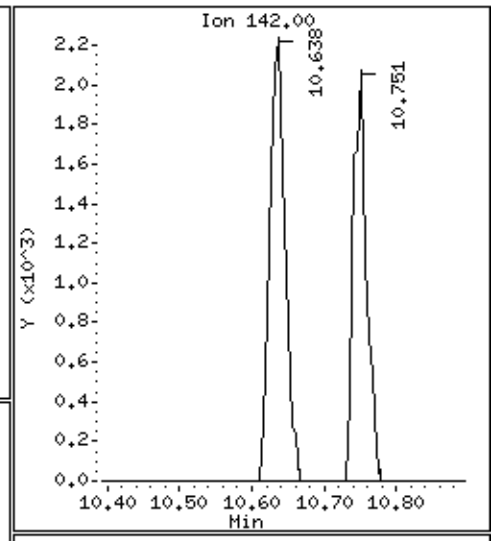
Review Code:

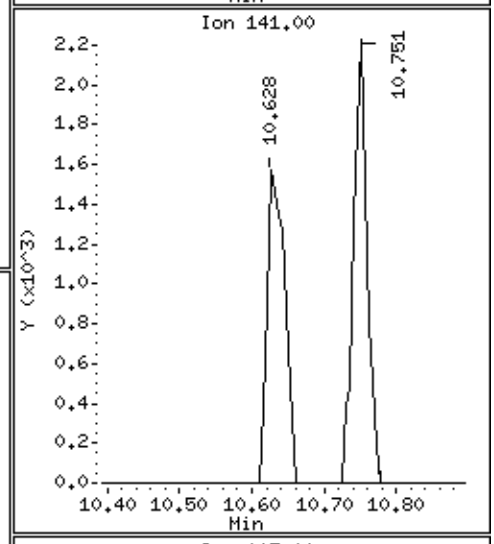


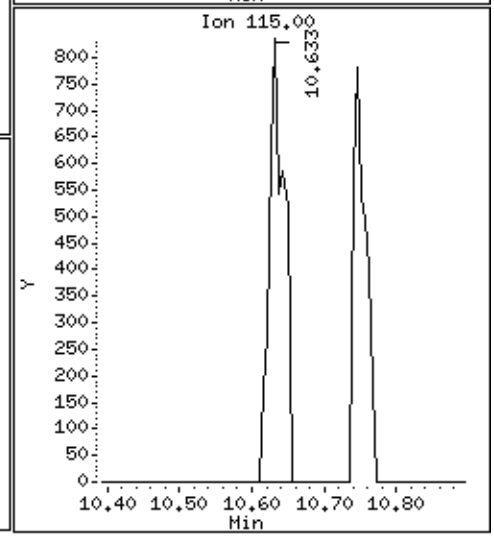












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c03mbw.d
Injection Date: 07-OCT-2016 01:49
Instrument: 50mv3a.i
Lab Sample ID: 1642764
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

LCS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 01:17 Lab Sample ID: 1642765

Date Analyzed: 10/07/2016 01:17 Lab File ID: A100616.B\C02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	220	
71-43-2	Benzene	46.0	
75-27-4	Bromodichloromethane	51.6	
75-25-2	Bromoform	49.2	
74-83-9	Bromomethane	39.5	
78-93-3	2-Butanone (MEK)	283	
75-15-0	Carbon disulfide	44.4	
56-23-5	Carbon tetrachloride	45.2	
108-90-7	Chlorobenzene	46.4	
75-00-3	Chloroethane	38.9	
67-66-3	Chloroform	43.9	
74-87-3	Chloromethane	37.3	
110-82-7	Cyclohexane	47.7	J
96-12-8	1,2-Dibromo-3-chloropropane	55.6	
124-48-1	Dibromochloromethane	51.7	
106-93-4	1,2-Dibromoethane (EDB)	52.3	
95-50-1	1,2-Dichlorobenzene	47.0	
541-73-1	1,3-Dichlorobenzene	45.6	
106-46-7	1,4-Dichlorobenzene	44.1	
75-71-8	Dichlorodifluoromethane	42.2	
75-34-3	1,1-Dichloroethane	44.6	
107-06-2	1,2-Dichloroethane	40.6	
75-35-4	1,1-Dichloroethene	41.5	
156-59-2	cis-1,2-Dichloroethene	46.0	
156-60-5	trans-1,2-Dichloroethene	46.8	
78-87-5	1,2-Dichloropropane	52.4	
10061-01-5	cis-1,3-Dichloropropene	48.0	
10061-02-6	trans-1,3-Dichloropropene	48.9	
100-41-4	Ethylbenzene	49.4	
591-78-6	2-Hexanone	290	
98-82-8	Isopropylbenzene (Cumene)	51.0	
79-20-9	Methyl acetate	64.8	
108-87-2	Methylcyclohexane	51.5	
75-09-2	Methylene Chloride	56.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	268	
1634-04-4	Methyl-tert-butyl ether	47.0	
100-42-5	Styrene	53.7	

SAMPLE NO.

LCS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 01:17 Lab Sample ID: 1642765

Date Analyzed: 10/07/2016 01:17 Lab File ID: A100616.B\C02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	52.2	
127-18-4	Tetrachloroethene	43.5	
108-88-3	Toluene	43.1	
120-82-1	1,2,4-Trichlorobenzene	47.9	
71-55-6	1,1,1-Trichloroethane	42.1	
79-00-5	1,1,2-Trichloroethane	51.1	
79-01-6	Trichloroethene	44.1	
75-69-4	Trichlorofluoromethane	40.2	
76-13-1	1,1,2-Trichlorotrifluoroethane	40.0	
75-01-4	Vinyl chloride	41.6	
1330-20-7	Xylene (Total)	151	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d
Lab Smp Id: 1642765 Client Smp ID: MBLCS
Inj Date : 07-OCT-2016 01:17
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1642765,132007:5
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 51 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.906	0.908	(0.217)	101327	42.1949	42.2	
2 Chloromethane	50	0.991	0.994	(0.238)	110000	37.3246	37.3	
3 Vinyl Chloride	62	1.039	1.036	(0.249)	128724	41.5734	41.6	
4 Bromomethane	94	1.183	1.181	(0.284)	56611	39.5026	39.5	
5 Chloroethane	64	1.226	1.229	(0.294)	71075	38.8682	38.9	
6 Trichlorofluoromethane	101	1.344	1.341	(0.322)	138589	40.1905	40.2	
7 Diethyl ether	74	1.466	1.464	(0.352)	54635	40.9904	41.0	
8 1,2-dichlorotrifluoroethane	67	1.482	1.480	(0.356)	114643	38.4256	38.4	
9 Acrolein	56	1.536	1.538	(0.368)	264083	1112.73	1110	
10 1,1,2trichlorotrifluoroethane	101	1.589	1.592	(0.381)	101873	39.9619	40.0(R)	
11 1,1-Dichloroethene	96	1.595	1.592	(0.383)	86660	41.5388	41.5	
12 Acetone	43	1.605	1.602	(0.385)	92959	219.994	220	
13 Iodomethane	142	1.680	1.683	(0.403)	191028	97.1118	97.1	
14 Carbon Disulfide	76	1.728	1.731	(0.415)	286474	44.4327	44.4	
15 Methyl Acetate	43	1.776	1.773	(0.426)	82608	64.7801	64.8	
16 allyl chloride	41	1.787	1.789	(0.429)	362441	88.6148	88.6	
17 Acetonitrile	39	1.787	1.789	(0.429)	218359	37.0393	37.0	
18 Methylene Chloride	84	1.867	1.864	(0.448)	118331	56.2833	56.3	
19 Acrylonitrile	53	1.995	1.998	(0.479)	106333	197.125	197	
20 Methyl-tert-butyl ether	73	2.027	2.024	(0.486)	264955	46.9743	47.0	
21 tert-Butyl Alcohol	59	1.899	1.902	(0.456)	17734	109.359	109(Q)	
22 1,2-Dichloroethene (trans)	96	2.038	2.035	(0.489)	109887	46.7687	46.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 n-Hexane	57	2.220	2.222	(0.532)	212573	45.5566	45.6	
	24 Vinyl Acetate	43	2.332	2.329	(0.559)	790982	214.417	214	
	25 1,1-Dichloroethane	63	2.342	2.340	(0.562)	196579	44.5889	44.6	
	26 Chloroprene	53	2.396	2.398	(0.575)	188806	41.3305	41.3	
	27 2-Butanone	72	2.802	2.799	(0.672)	44682	283.490	283(Q)	
	28 1,2-Dichloroethene (cis)	96	2.818	2.815	(0.676)	115706	45.9652	46.0(Q)	
	29 2,2-Dichloropropane	77	2.823	2.820	(0.677)	144668	41.4022	41.4	
	30 Propionitrile	54	2.860	2.863	(0.686)	9028	40.6868	40.7(Q)	
	31 Methacrylonitrile	41	2.999	3.002	(0.719)	207120	198.148	198	
	32 Bromochloromethane	49	3.047	3.045	(0.731)	81038	44.8871	44.9	
	33 Tetrahydrofuran	42	3.069	3.066	(0.736)	21544	45.4000	45.4	
	34 Chloroform	83	3.160	3.157	(0.758)	178434	43.8528	43.8	
$	35 Dibromofluoromethane (S)	113	3.336	3.328	(0.800)	100738	47.3489	47.3	
	36 1,1,1-Trichloroethane	97	3.336	3.333	(0.800)	162209	42.0963	42.1	
	37 Cyclohexane	56	3.421	3.418	(0.821)	220200	47.6529	47.6	
	38 n-Butyl chloride	56	3.480	3.483	(0.835)	268428	46.5240	46.5	
	39 Carbon Tetrachloride	117	3.517	3.520	(0.844)	145654	45.1618	45.2	
	40 1,1-Dichloropropene	75	3.523	3.525	(0.845)	157566	45.3072	45.3	
	41 Benzene	78	3.763	3.766	(0.903)	445785	46.0495	46.0	
	42 1,2-Dichloroethane	62	3.849	3.851	(0.923)	119379	40.6406	40.6	
	43 2,2,4-Trimethylpentane	57	3.945	3.942	(0.946)	556205	47.7596	47.8	
	44 Isobutyl alcohol	43	3.881	3.878	(0.931)	906290	57.3755	57.4	
*	45 Fluorobenzene (IS)	96	4.169	4.166	(1.000)	470510	50.0000		
	46 Trichloroethene	95	4.618	4.620	(1.108)	108108	44.1139	44.1	
	47 Methylcyclohexane	55	4.885	4.887	(1.172)	193631	51.4712	51.5	
	48 1,2-Dichloropropane	63	4.922	4.925	(1.181)	119113	52.4429	52.4	
	49 Dibromomethane	93	5.018	5.021	(1.204)	50703	48.8367	48.8	
	50 1,4-Dioxane	88	5.034	5.031	(1.208)	16649	1177.88	1180	
	51 Methyl methacrylate	69	5.040	5.042	(1.209)	61311	60.3327	60.3	
	52 Bromodichloromethane	83	5.248	5.245	(1.259)	135187	51.6261	51.6	
	53 2-Chloroethyl vinyl ether	63	5.606	5.598	(0.764)	13088	130.762	131	
	54 cis-1,3-Dichloropropene	75	5.745	5.742	(0.782)	168786	47.9605	48.0	
	55 4-Methyl-2-Pentanone	43	5.916	5.918	(0.806)	432828	267.939	268	
$	56 Toluene-d8 (S)	98	6.017	6.020	(0.820)	448659	46.2515	46.2	
	57 Toluene	91	6.092	6.089	(0.830)	496100	43.0773	43.1	
	58 trans-1,3-Dichloropropene	75	6.380	6.377	(0.869)	139342	48.8732	48.9	
	59 Ethyl Methacrylate	69	6.460	6.463	(0.880)	495395	233.950	234	
	60 1,1,2-Trichloroethane	83	6.562	6.564	(0.894)	70049	51.1002	51.1	
	61 Tetrachloroethene	166	6.615	6.618	(0.901)	113736	43.4807	43.5	
	62 1,3-Dichloropropane	76	6.706	6.703	(0.913)	149422	51.7887	51.8	
	63 2-Hexanone	43	6.775	6.773	(0.923)	296781	289.570	290	
	64 Dibromochloromethane	129	6.888	6.890	(0.938)	99279	51.6810	51.7	
	65 1,2-Dibromoethane	107	6.973	6.970	(0.950)	77298	52.3238	52.3	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.344	(1.000)	312845	50.0000		
	67 Chlorobenzene	112	7.368	7.365	(1.004)	298820	46.4212	46.4	
	68 1,1,1,2-Tetrachloroethane	131	7.443	7.440	(1.014)	106036	52.2207	52.2	
	69 Ethylbenzene	106	7.448	7.451	(1.015)	174574	49.4307	49.4	
	70 m&p-Xylene	106	7.545	7.547	(1.028)	432352	99.7220	99.7	
	71 o-Xylene	106	7.806	7.809	(1.063)	205924	51.3012	51.3	
	72 Styrene	104	7.822	7.825	(1.065)	348614	53.6535	53.6	
	73 Bromoform	173	7.945	7.942	(0.899)	48922	49.1755	49.2	
	74 Isopropylbenzene	105	8.052	8.054	(1.097)	567204	51.0153	51.0	
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.112)	148552	53.2568	53.2	
	76 Bromobenzene	77	8.244	8.241	(1.123)	187937	51.4514	51.4	

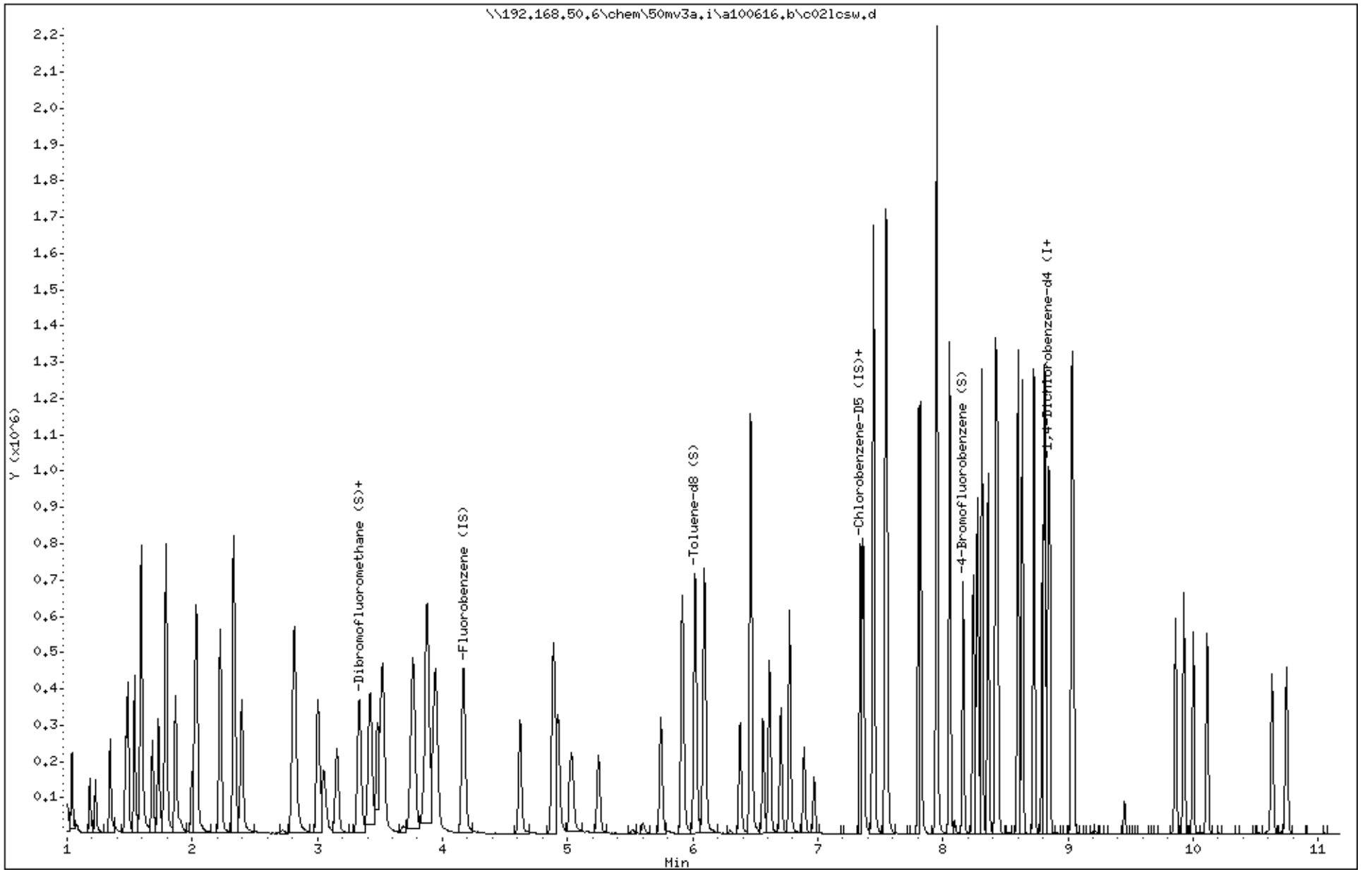
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
77	1,1,2,2-Tetrachloroethane	83	8.255	8.257	(0.934)	93570	52.2060	52.2	
78	trans-1,4-Dichloro-2-butene	53	8.276	8.273	(1.127)	105341	206.857	207(Q)	
79	1,2,3-Trichloropropane	110	8.282	8.284	(0.937)	29911	52.5982	52.6(Q)	
80	n-Propylbenzene	91	8.314	8.311	(0.940)	648593	50.7176	50.7	
81	2-Chlorotoluene	91	8.362	8.359	(0.946)	360414	50.3735	50.4	
82	1,3,5-Trimethylbenzene	105	8.420	8.423	(0.952)	434091	50.2139	50.2	
83	4-Chlorotoluene	126	8.437	8.434	(0.954)	121637	48.0521	48.0	
84	tert-Butylbenzene	119	8.602	8.599	(0.973)	404469	40.9870	41.0	
85	1,2,4-Trimethylbenzene	105	8.634	8.637	(0.976)	440540	50.5283	50.5	
86	sec-Butylbenzene	105	8.725	8.727	(0.987)	602090	51.3315	51.3	
87	1,3-Dichlorobenzene	146	8.794	8.797	(0.995)	208316	45.5827	45.6	
88	p-Isopropyltoluene	119	8.816	8.813	(0.997)	483844	49.4765	49.5	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.840	(1.000)	142505	50.0000		
90	1,4-Dichlorobenzene	146	8.853	8.856	(1.001)	208822	44.1042	44.1	
91	n-Butylbenzene	91	9.029	9.032	(1.021)	427402	48.3691	48.4	
92	1,2-Dichlorobenzene	146	9.045	9.048	(1.023)	194723	47.0427	47.0	
93	1,2,4-Trichlorobenzene	180	9.863	9.870	(1.115)	131496	47.9251	47.9	
94	1,2-Dibromo-3-chloropropane	155	9.457	9.459	(1.069)	12827	55.6076	55.6	
95	Hexachlorobutadiene	225	9.927	9.935	(1.123)	85133	50.5648	50.6	
96	Naphthalene	128	10.001	10.009	(1.131)	302193	53.8518	53.8	
97	1,2,3-Trichlorobenzene	180	10.114	10.127	(1.144)	124423	47.9189	47.9	
98	2,methyl-naphthalene	142	10.632	10.645	(1.202)	180069	49.1569	49.2	
99	1-Methylnaphthalene	142	10.744	10.757	(1.215)	187164	59.7365	59.7	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d
Date : 07-OCT-2016 01:17
Client ID: MBLCS
Sample Info: 1642765,132007:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

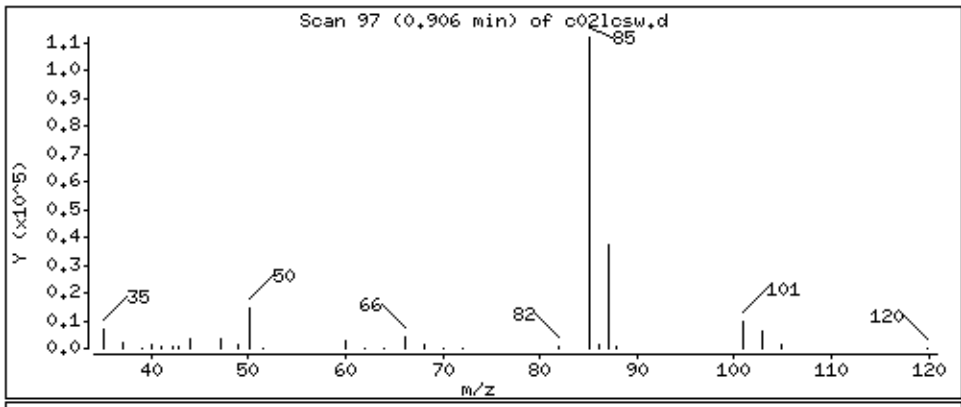
Column phase: DB-624

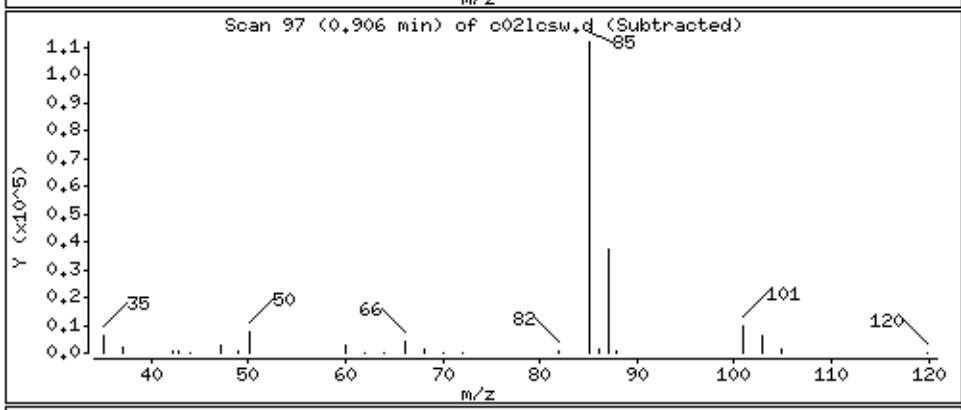
Column diameter: 0.18

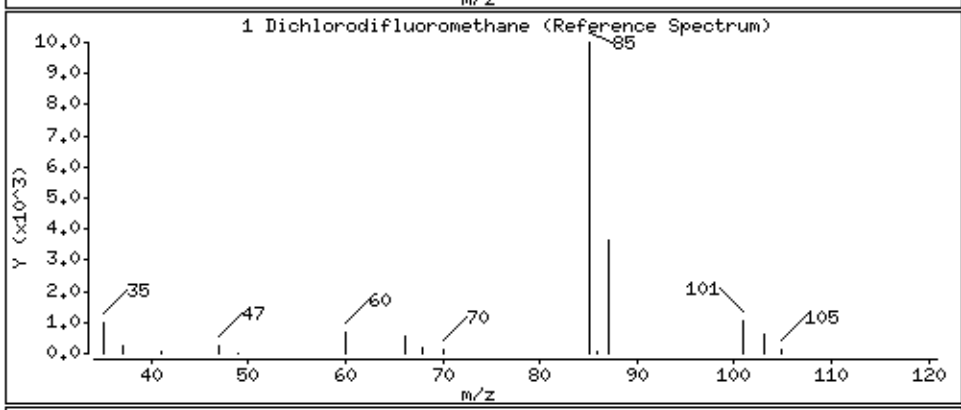
1 Dichlorodifluoromethane

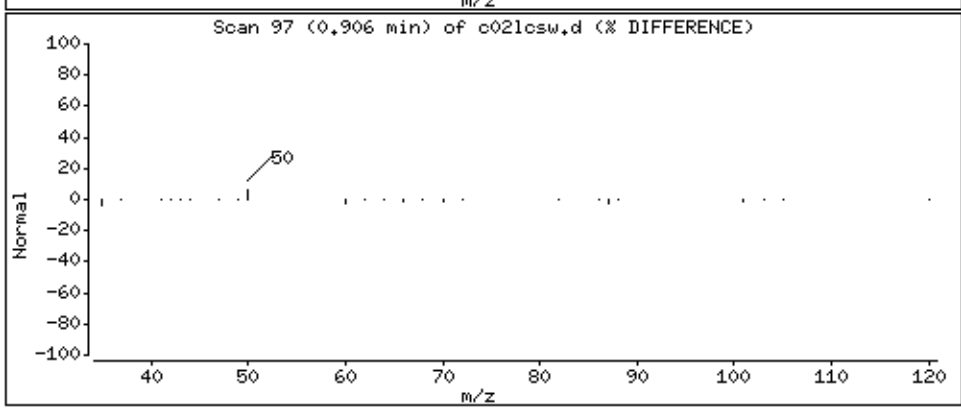
Concentration: 42.2 ppb

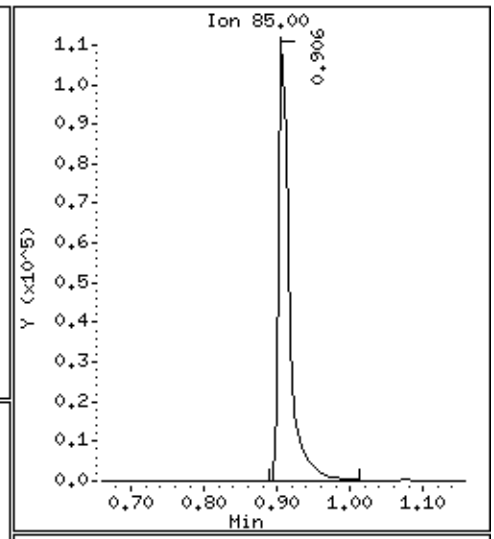
Review Code:

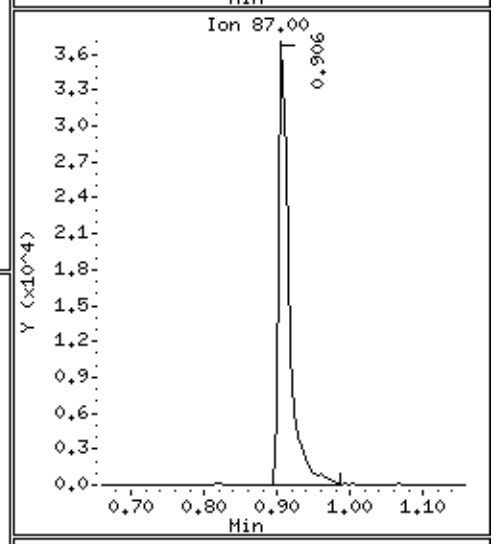


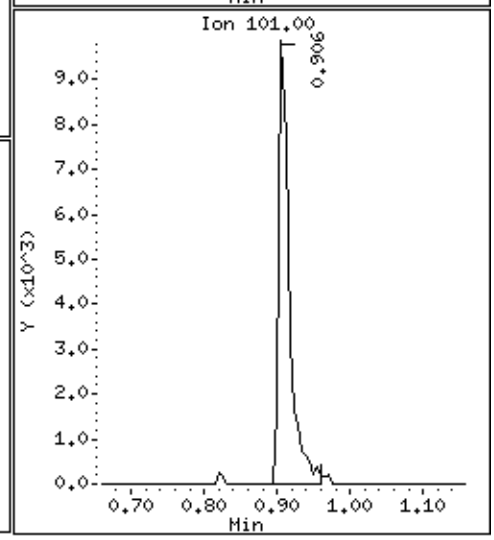












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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

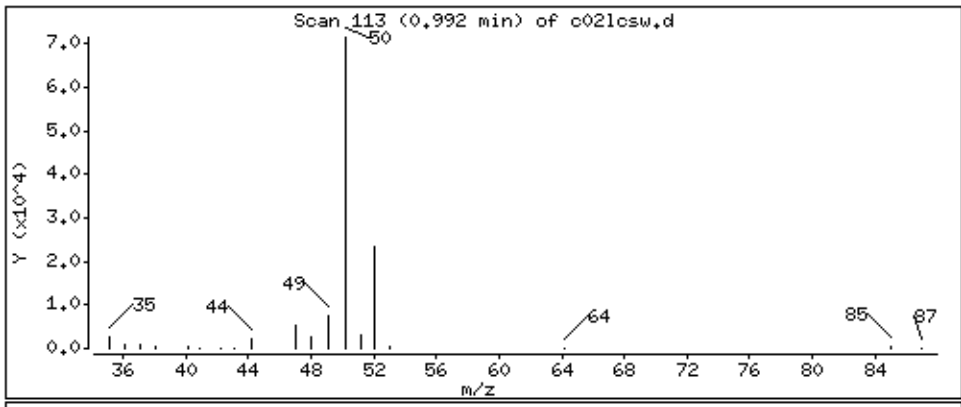
Column phase: DB-624

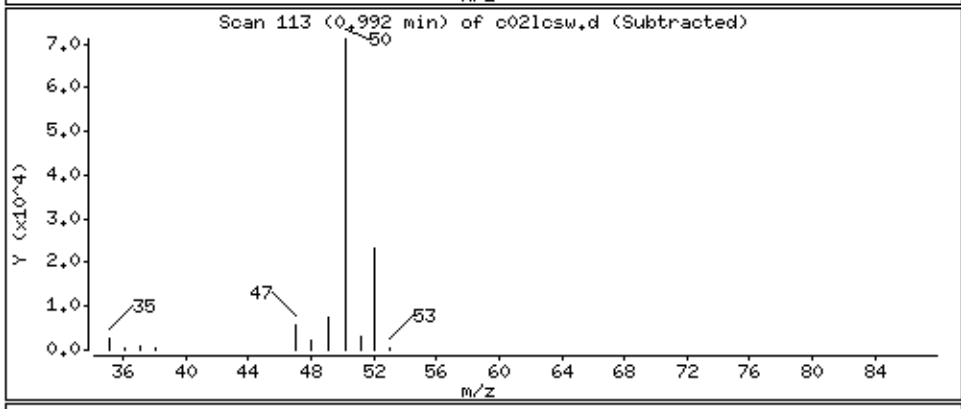
Column diameter: 0.18

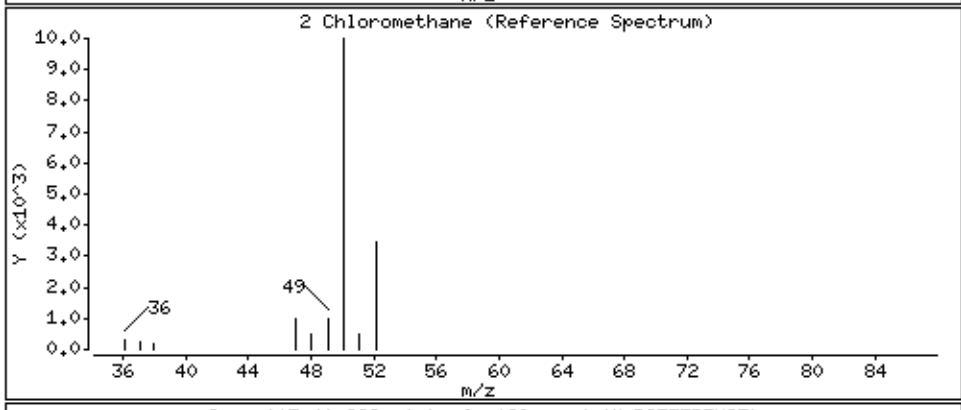
2 Chloromethane

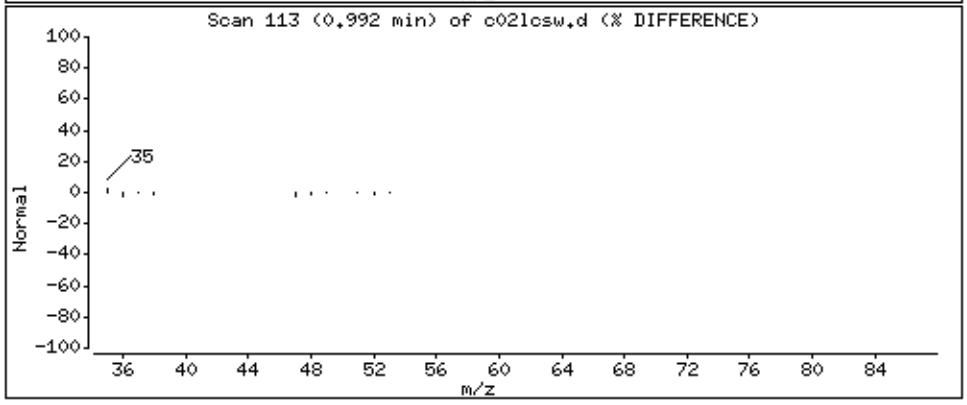
Concentration: 37.3 ppb

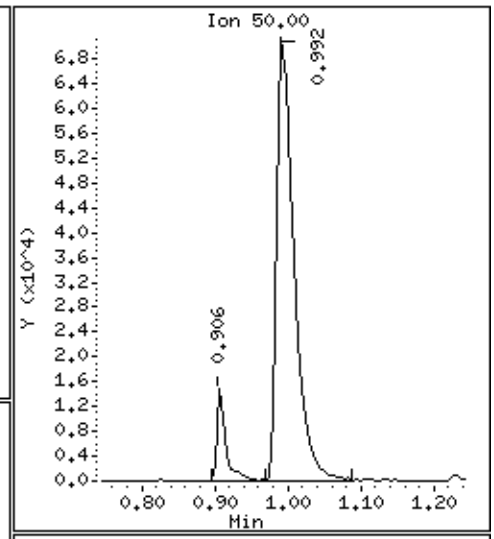
Review Code:

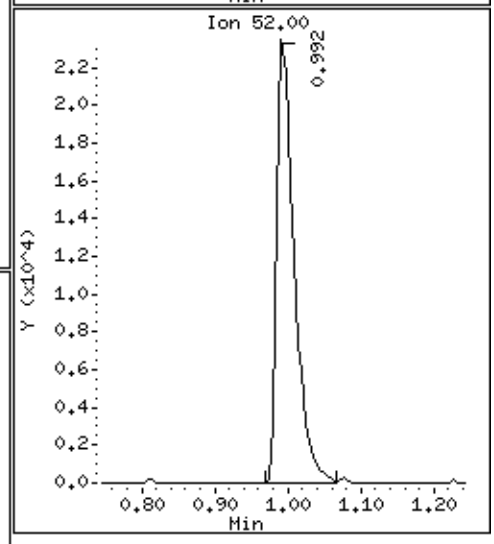












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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

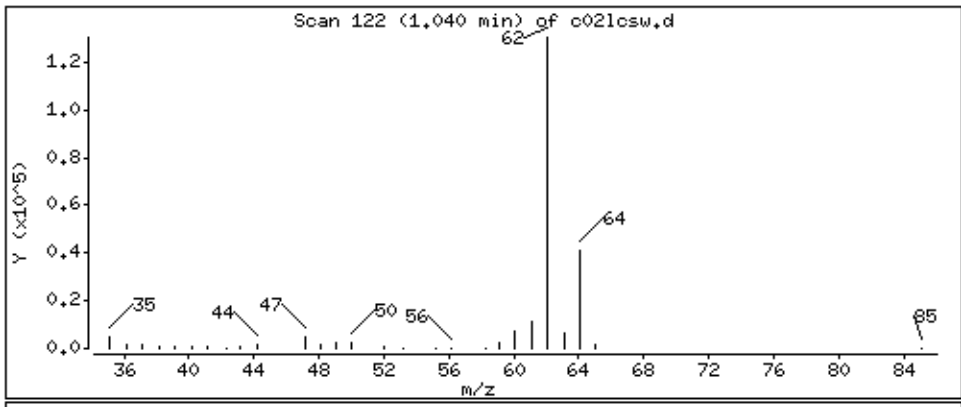
Column phase: DB-624

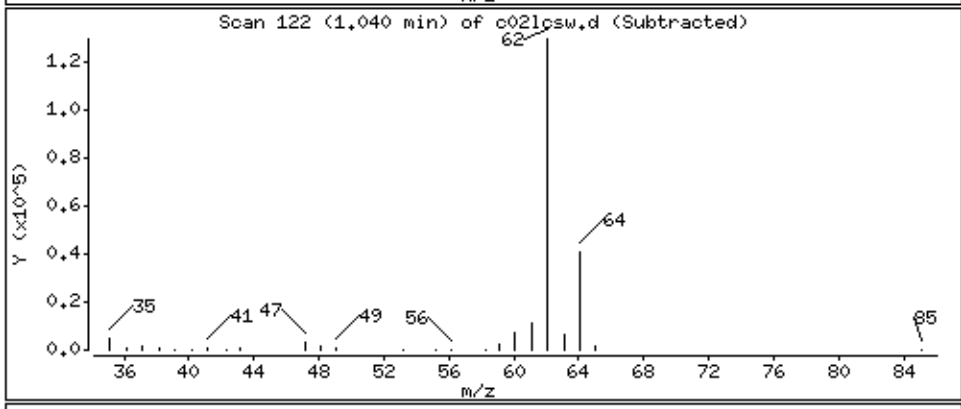
Column diameter: 0.18

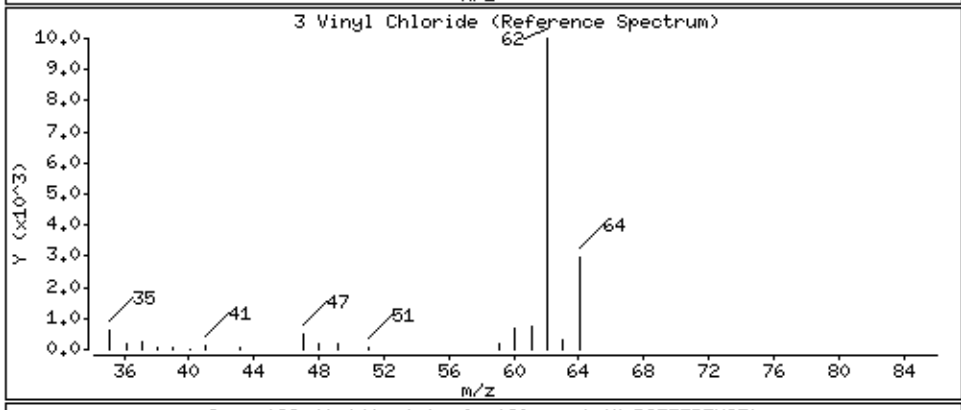
3 Vinyl Chloride

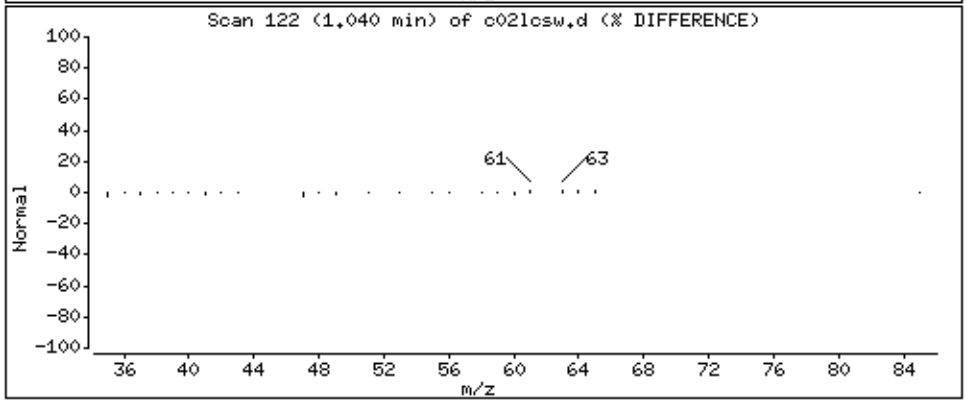
Concentration: 41.6 ppb

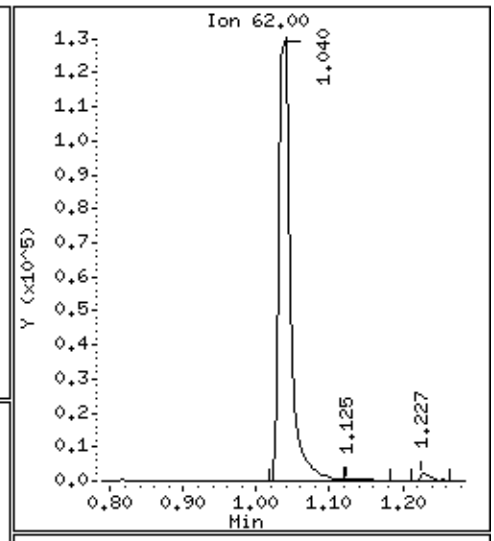
Review Code:

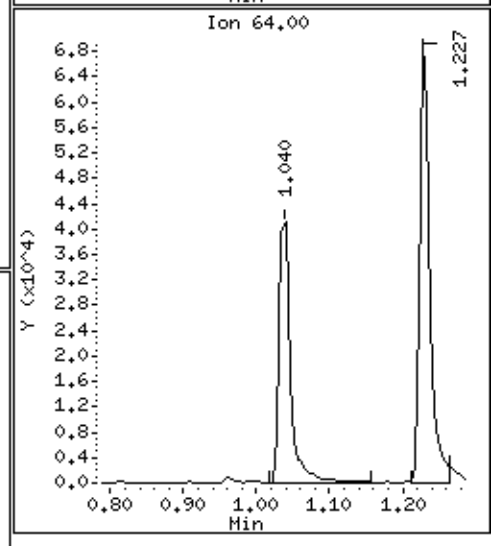












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

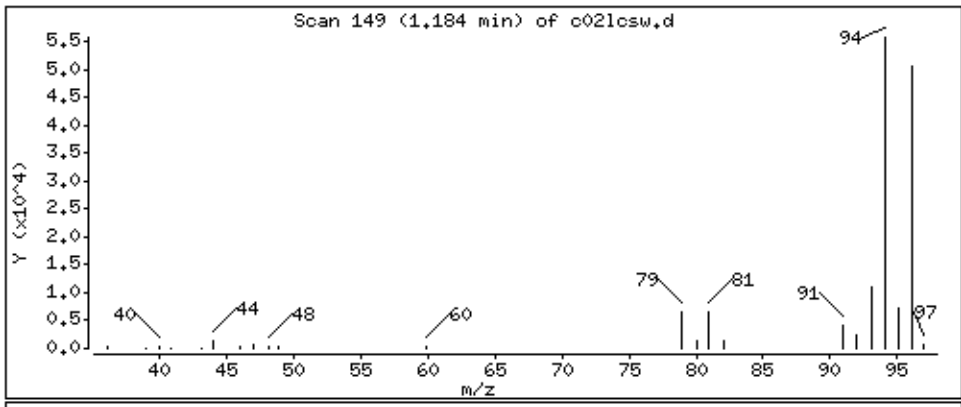
Column phase: DB-624

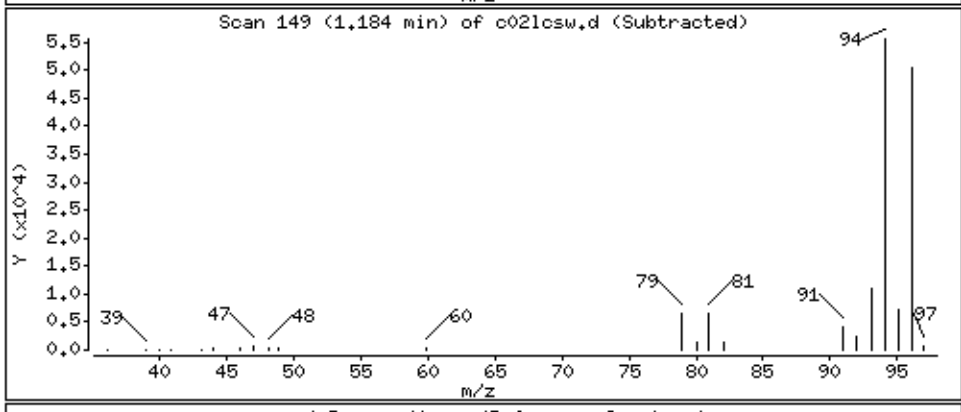
Column diameter: 0.18

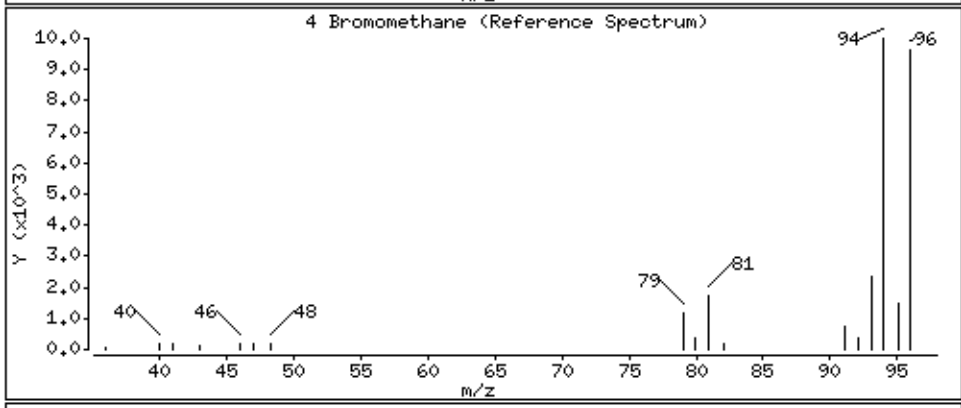
4 Bromomethane

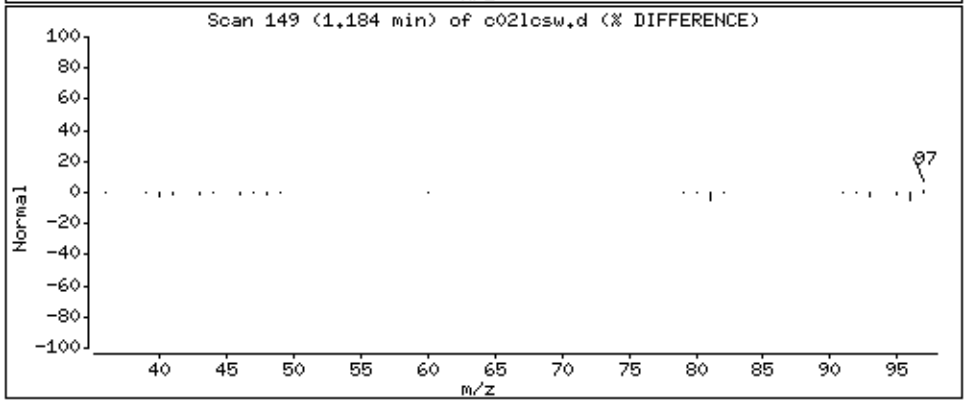
Concentration: 39.5 ppb

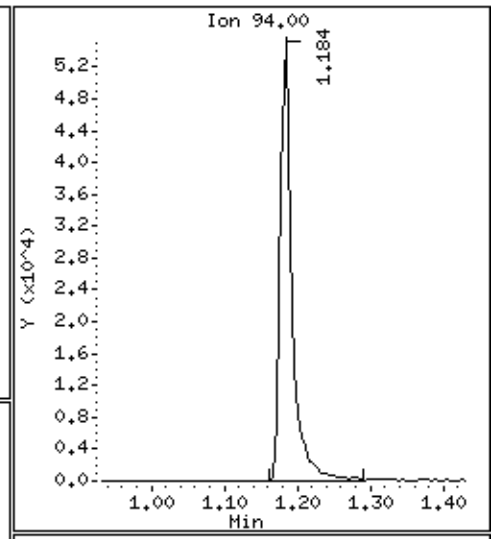
Review Code:

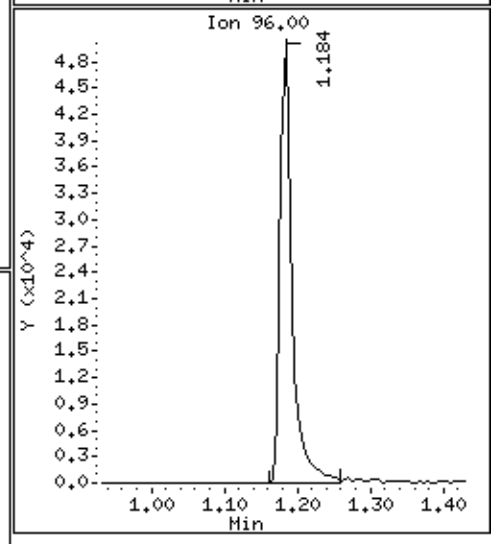












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

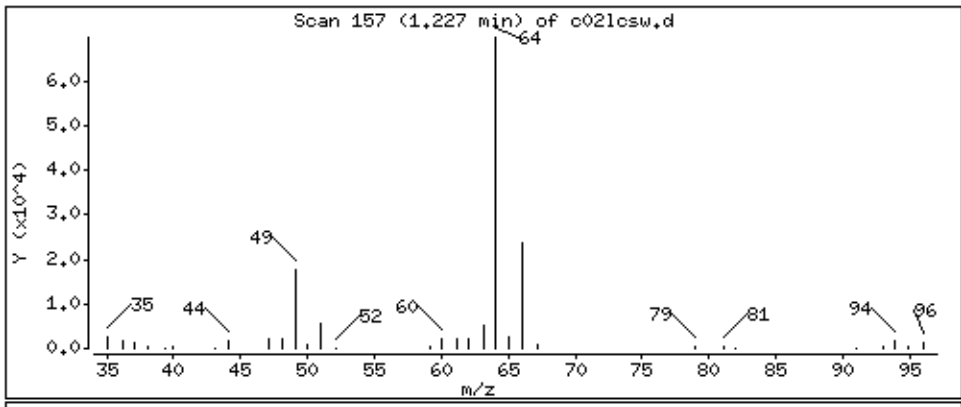
Column phase: DB-624

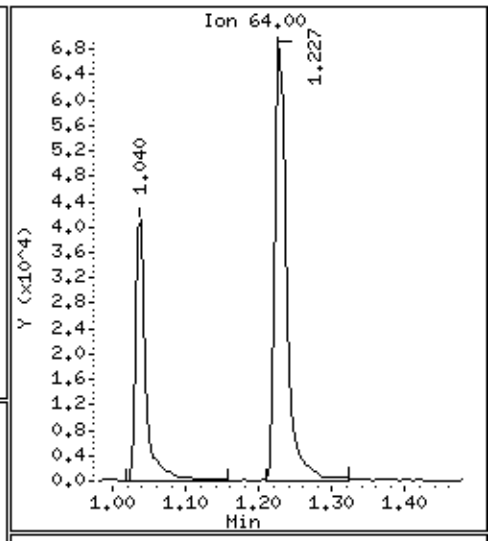
Column diameter: 0.18

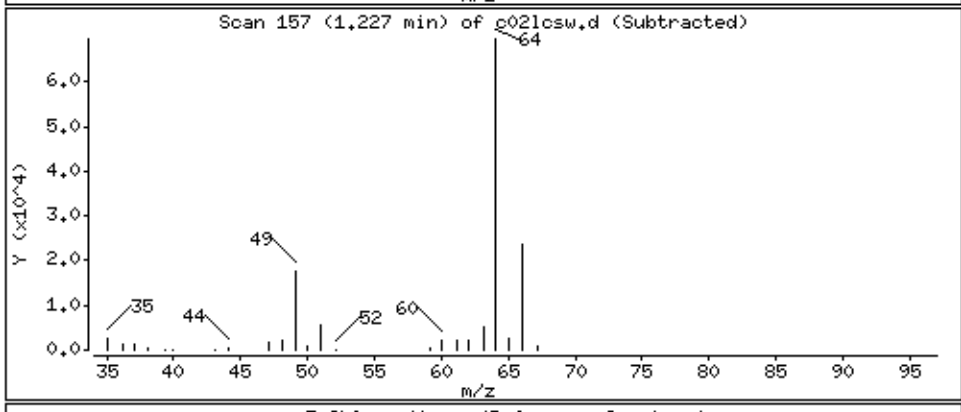
5 Chloroethane

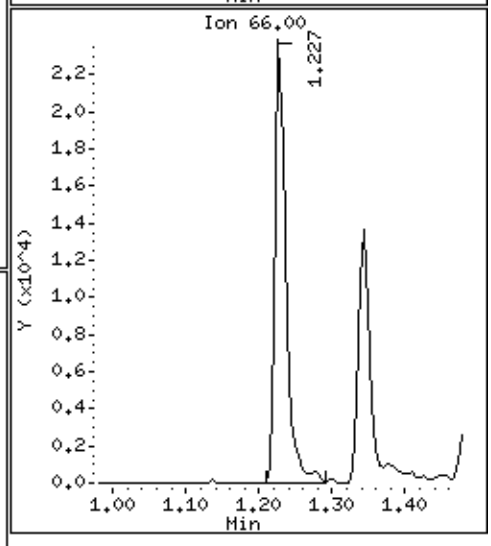
Concentration: 38.9 ppb

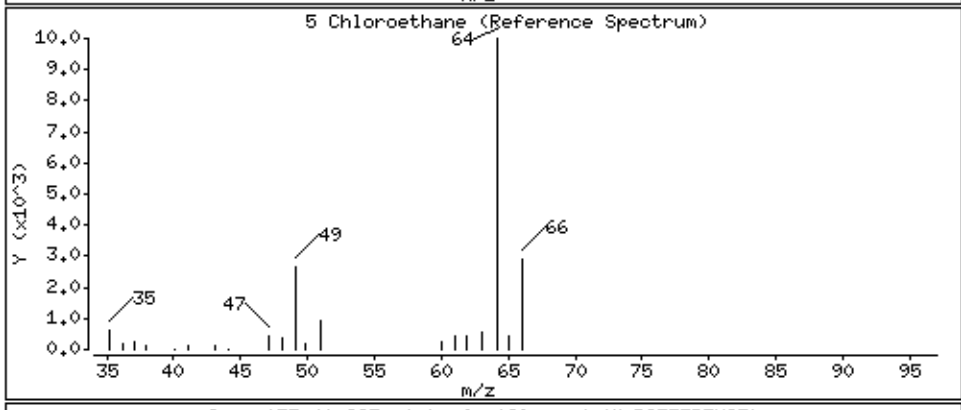
Review Code:

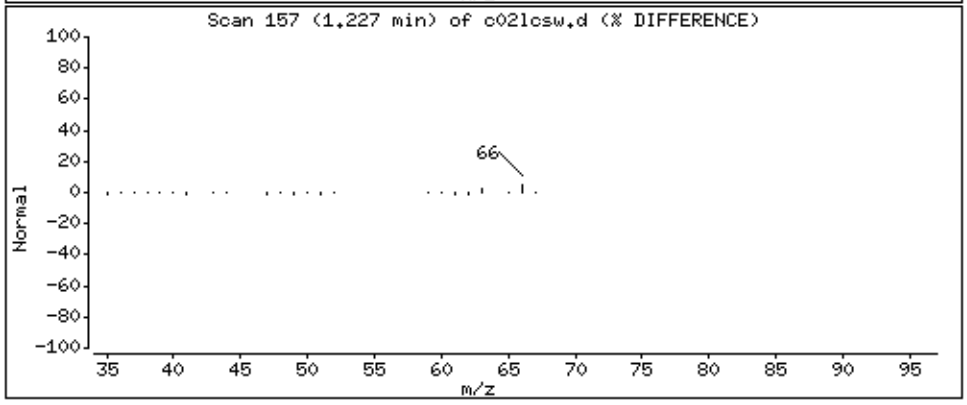












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

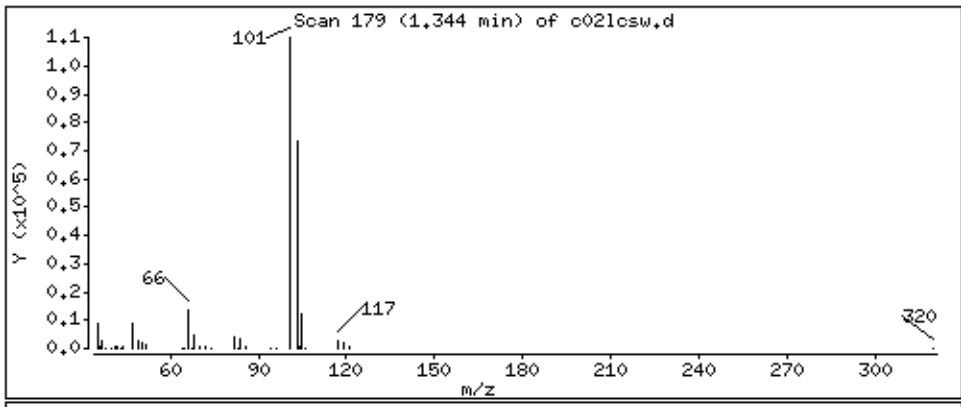
Column phase: DB-624

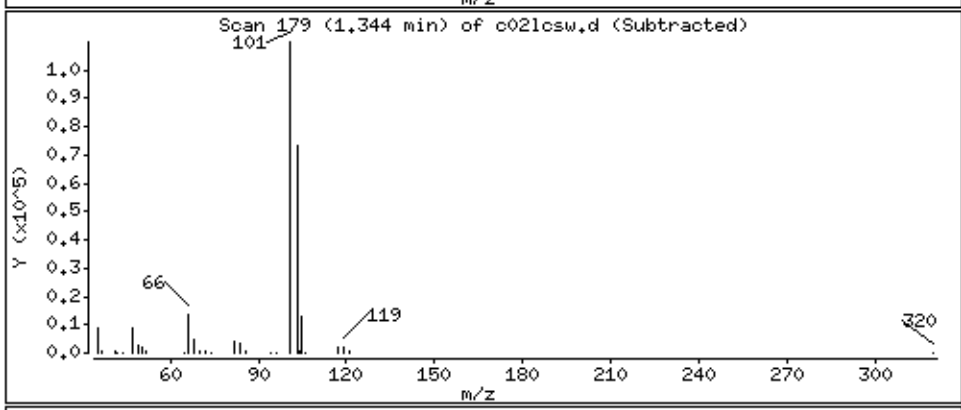
Column diameter: 0.18

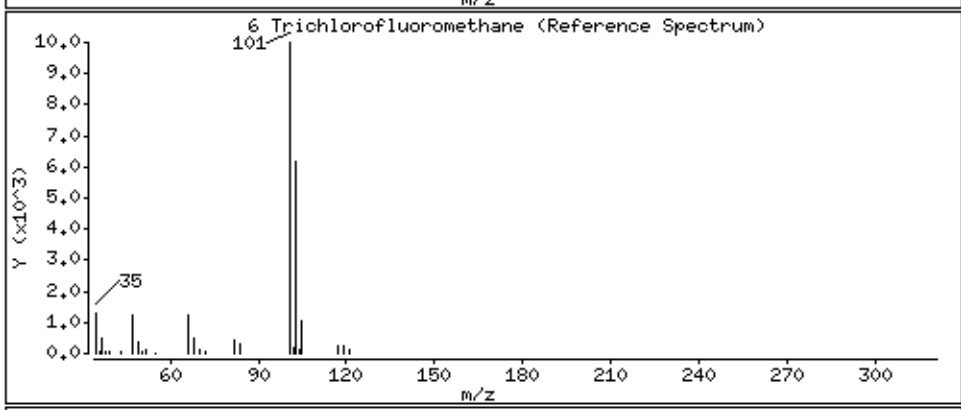
6 Trichlorofluoromethane

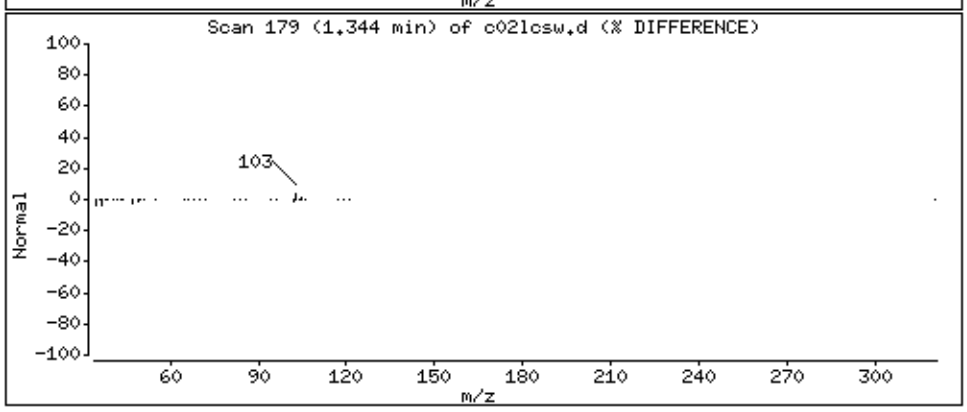
Concentration: 40.2 ppb

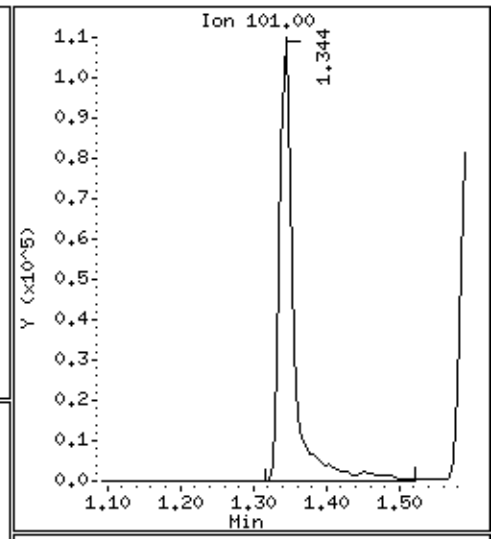
Review Code:

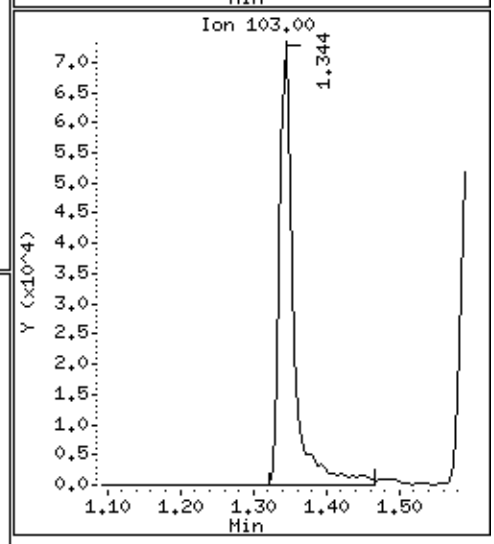












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

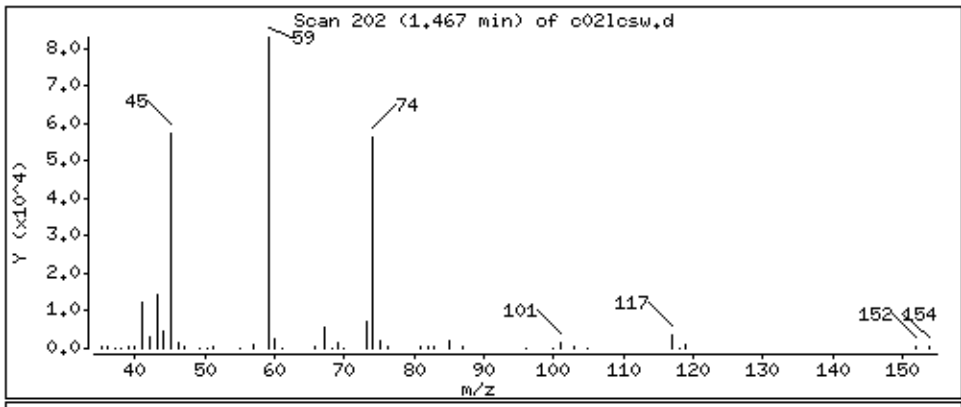
Column phase: DB-624

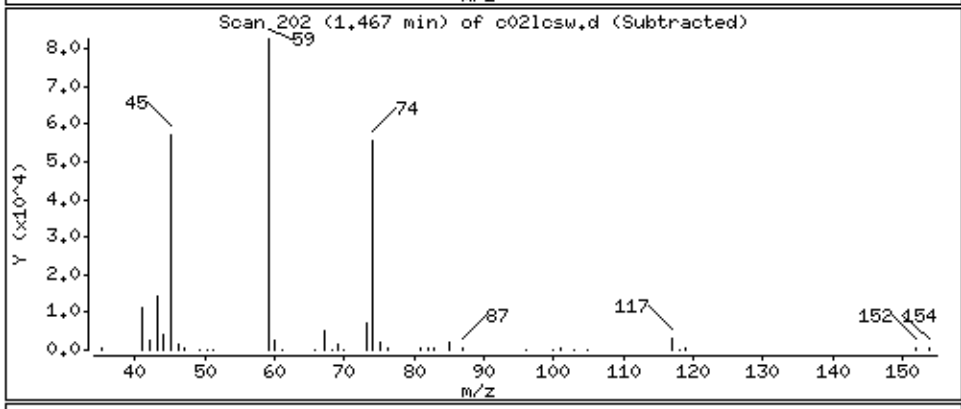
Column diameter: 0.18

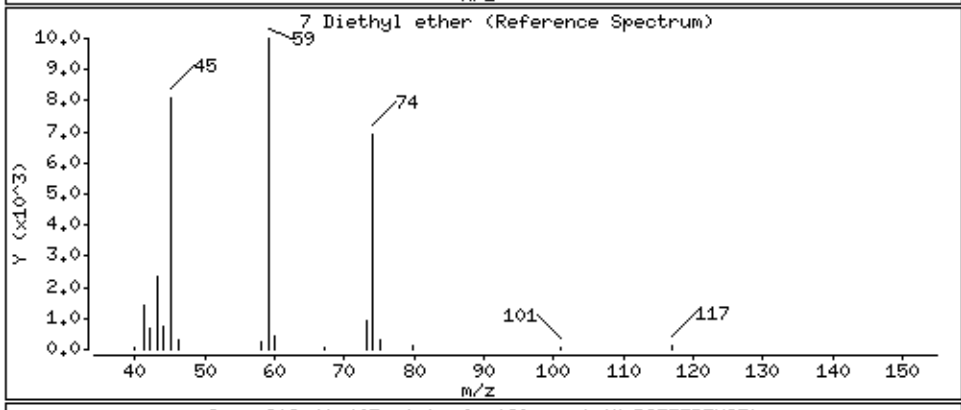
7 Diethyl ether

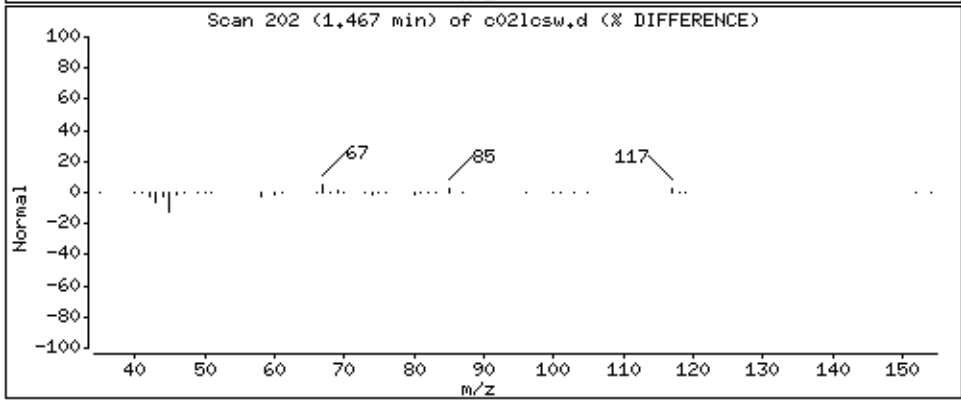
Concentration: 41.0 ppb

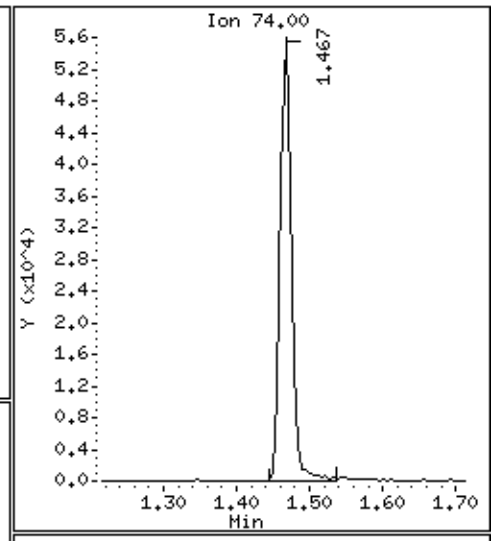
Review Code:

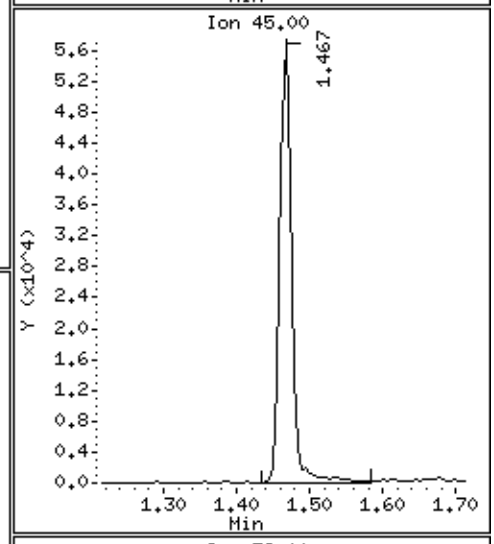


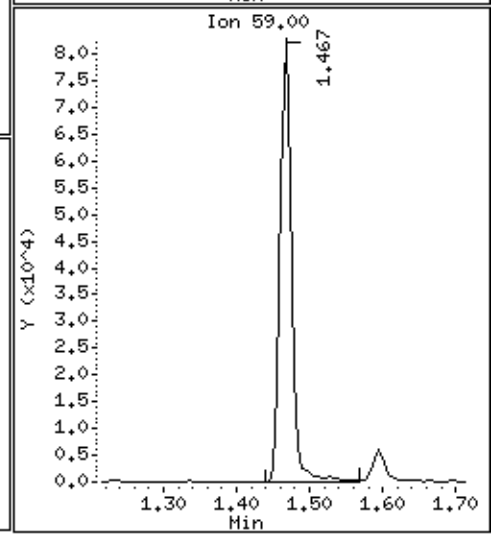












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

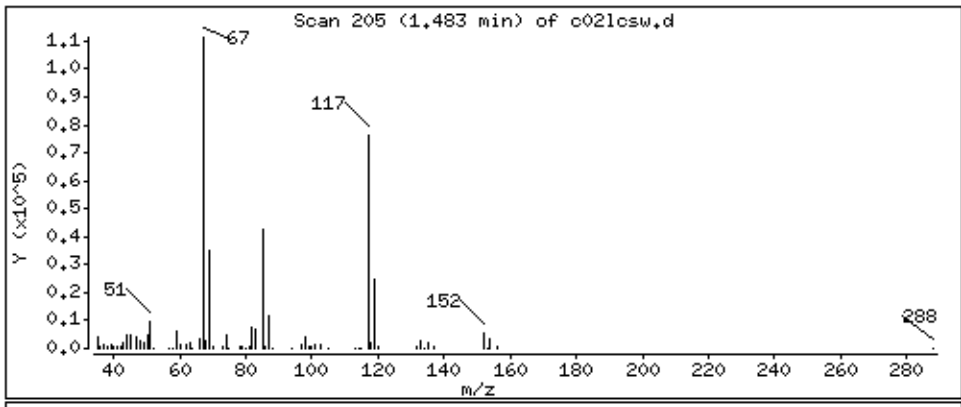
Column phase: DB-624

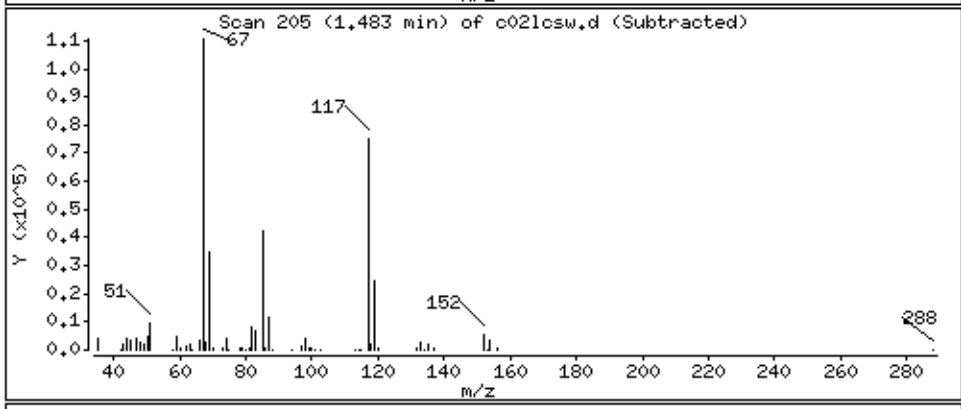
Column diameter: 0.18

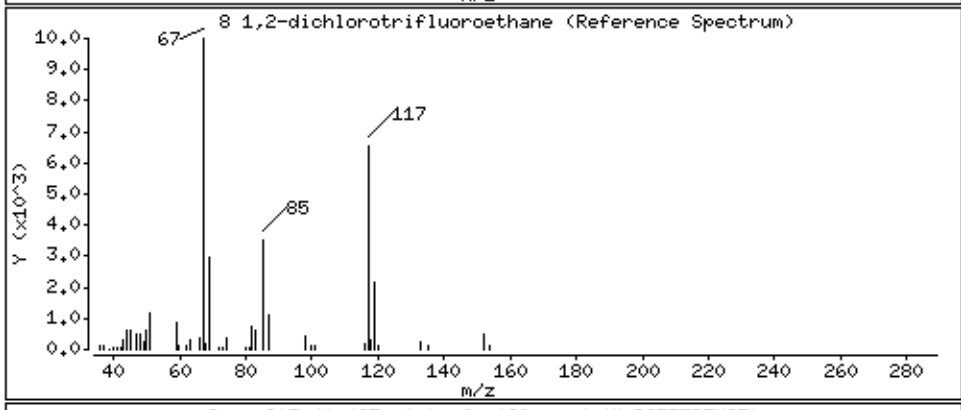
8 1,2-dichlorotrifluoroethane

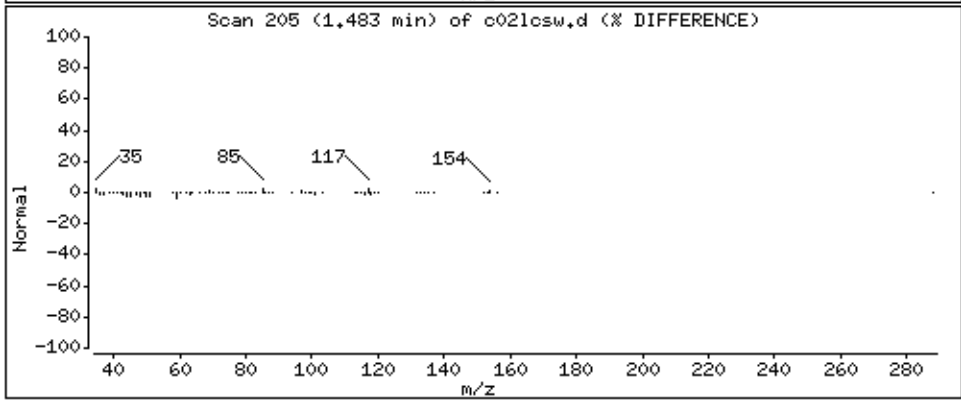
Concentration: 38.4 ppb

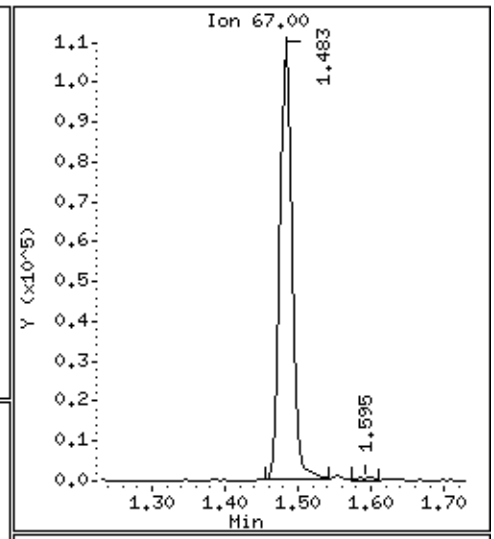
Review Code:

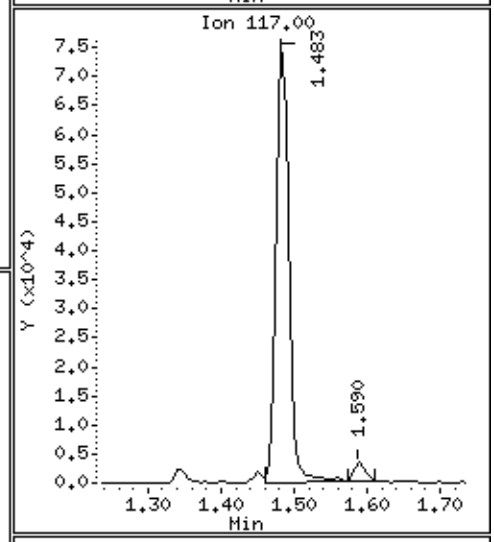


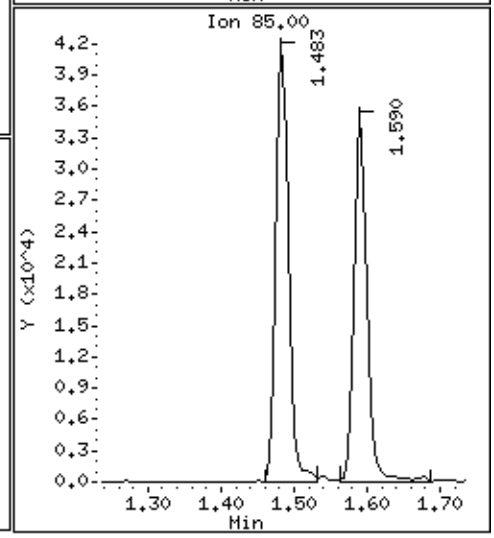












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

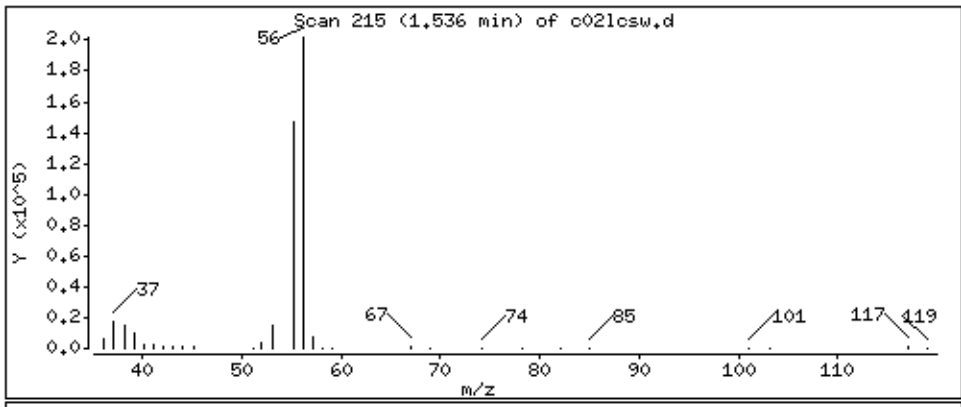
Column phase: DB-624

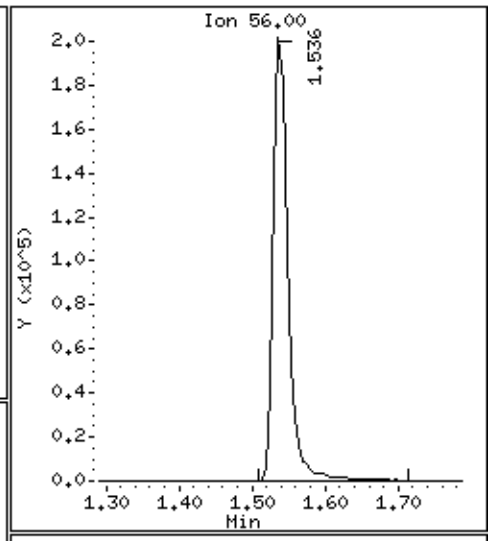
Column diameter: 0.18

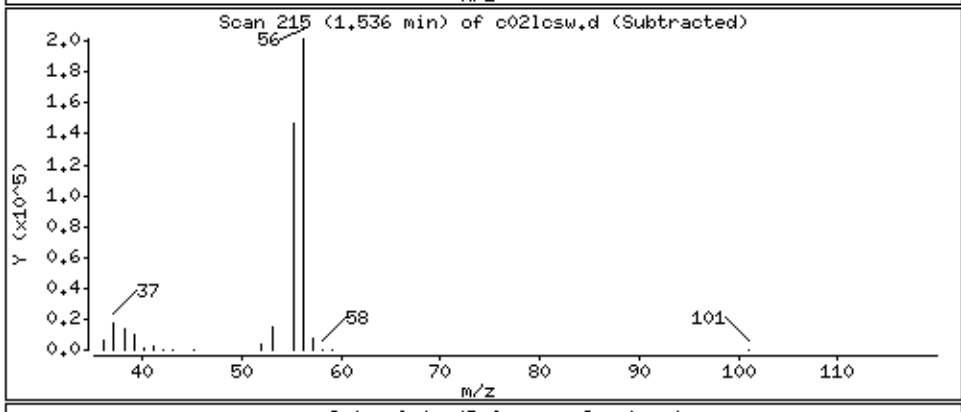
9 Acrolein

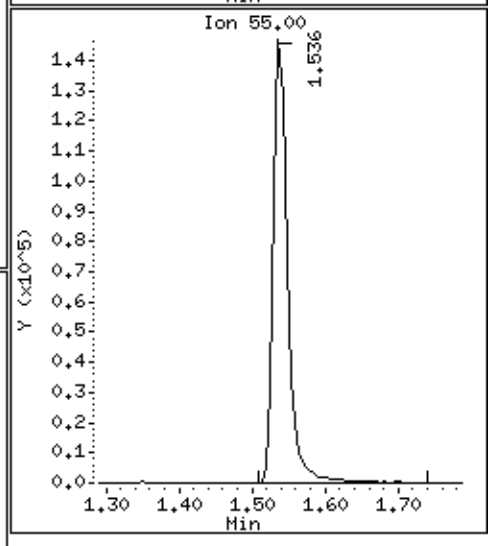
Concentration: 1110 ppb

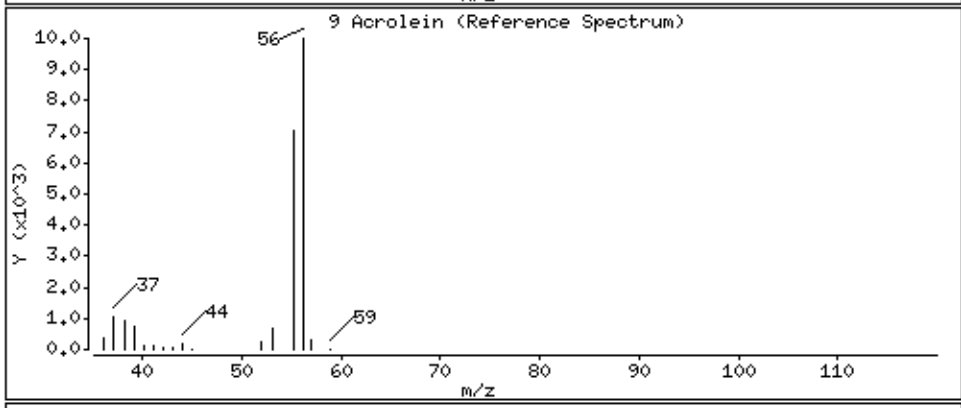
Review Code:

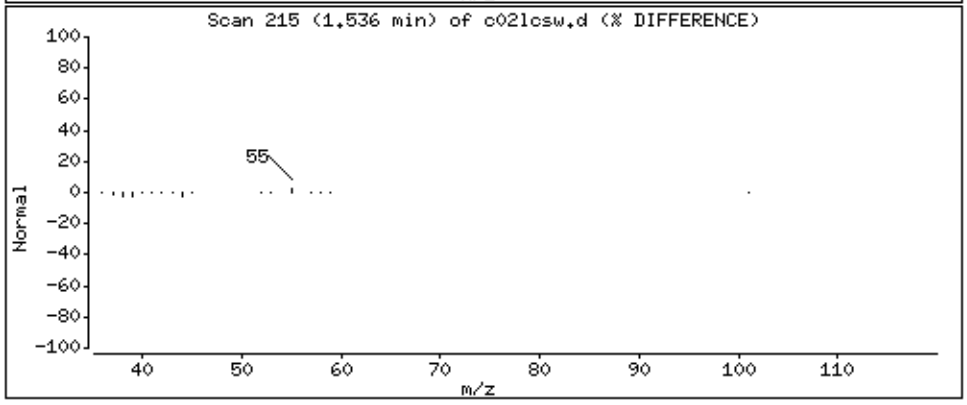












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

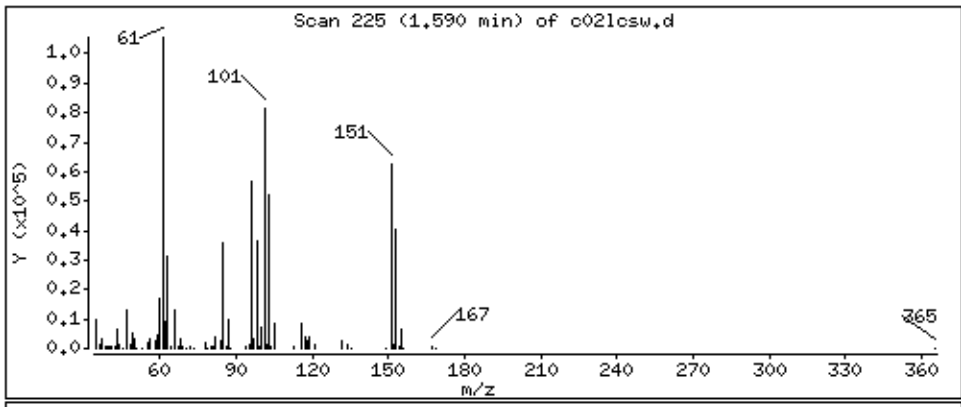
Column phase: DB-624

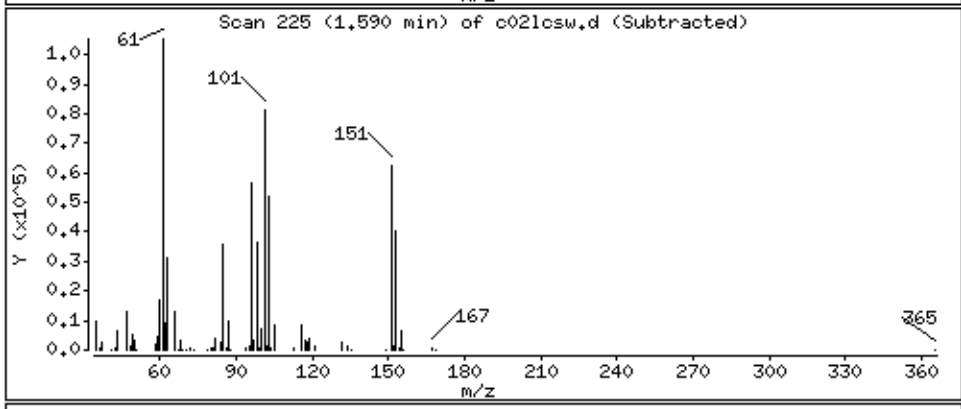
Column diameter: 0.18

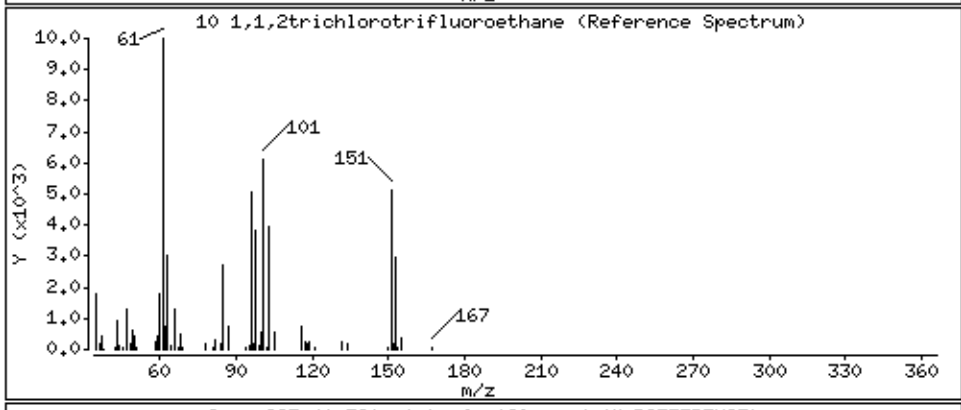
10 1,1,2trichlorotrifluoroethane

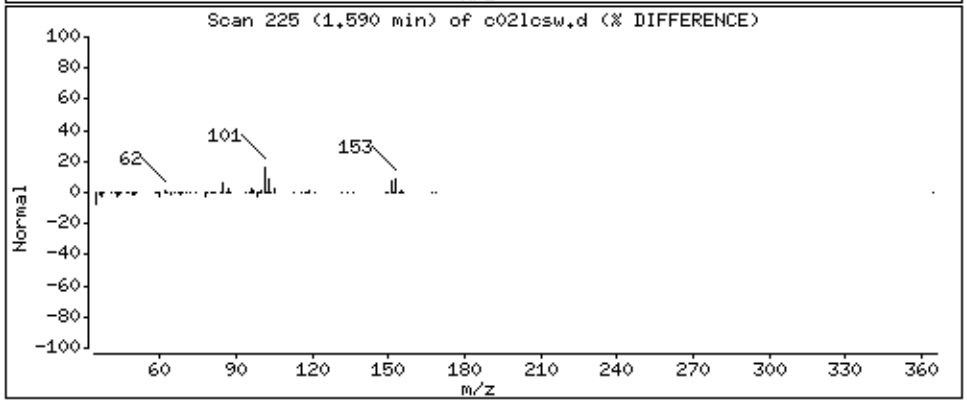
Concentration: 40.0 ppb

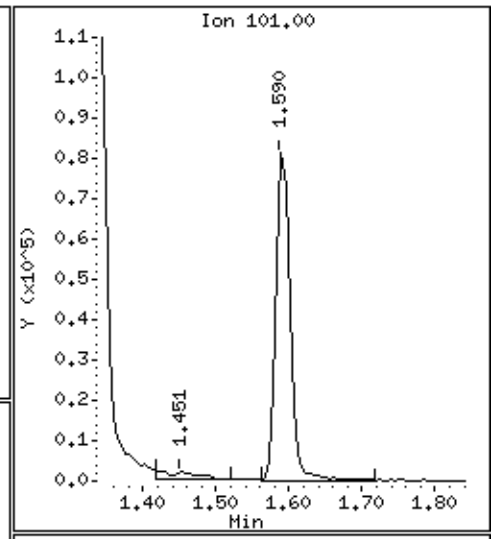
Review Code:

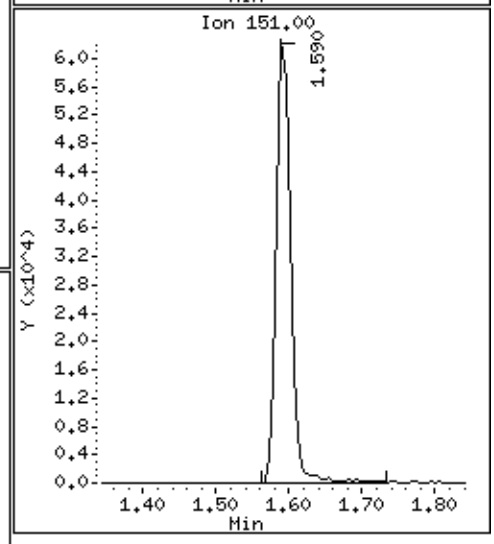












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

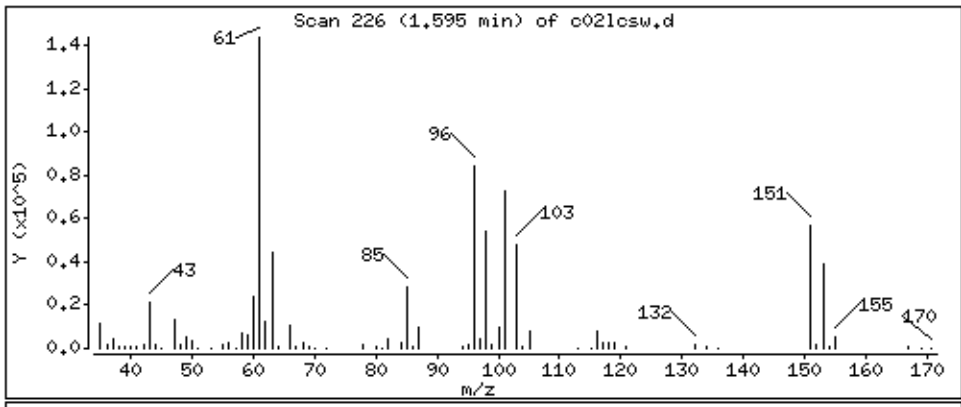
Column phase: DB-624

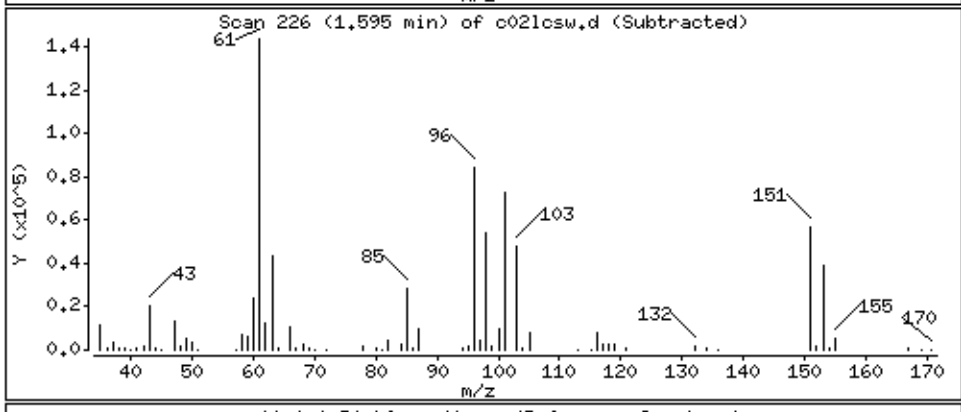
Column diameter: 0.18

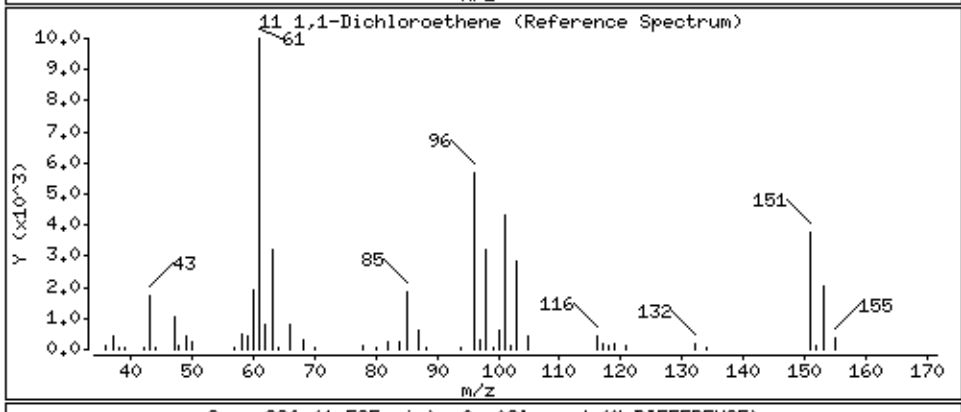
11 1,1-Dichloroethene

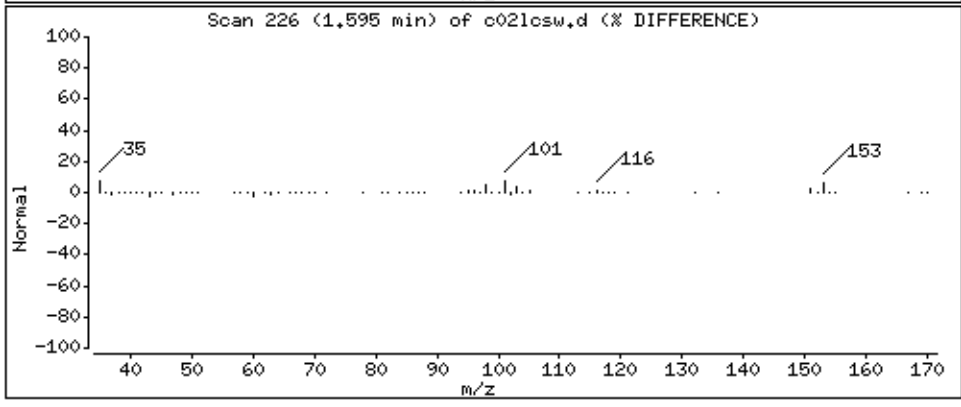
Concentration: 41.5 ppb

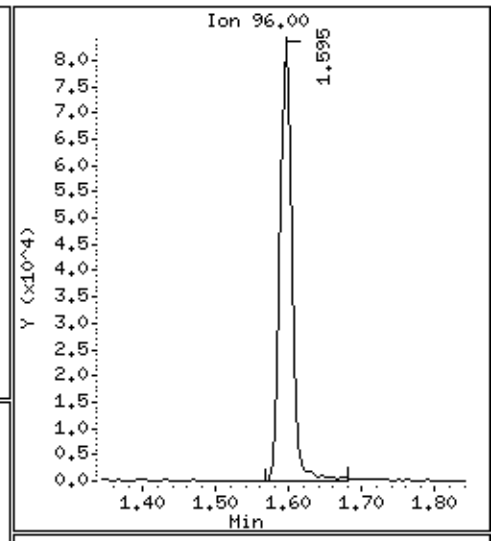
Review Code:

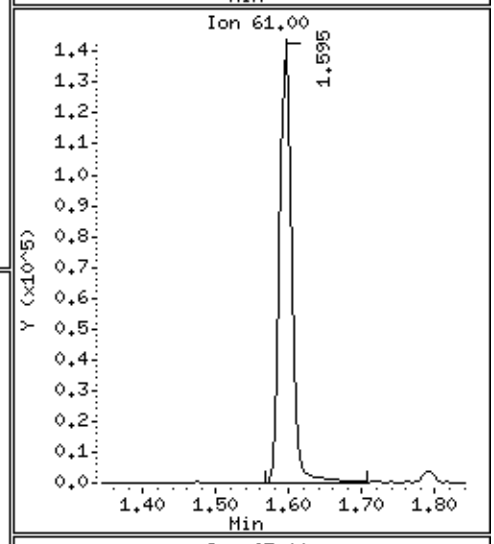


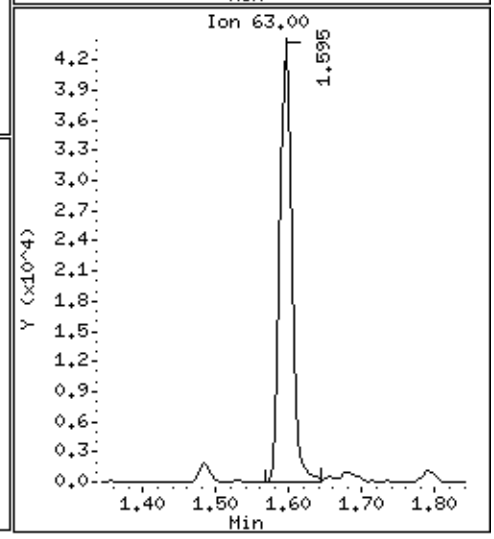












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

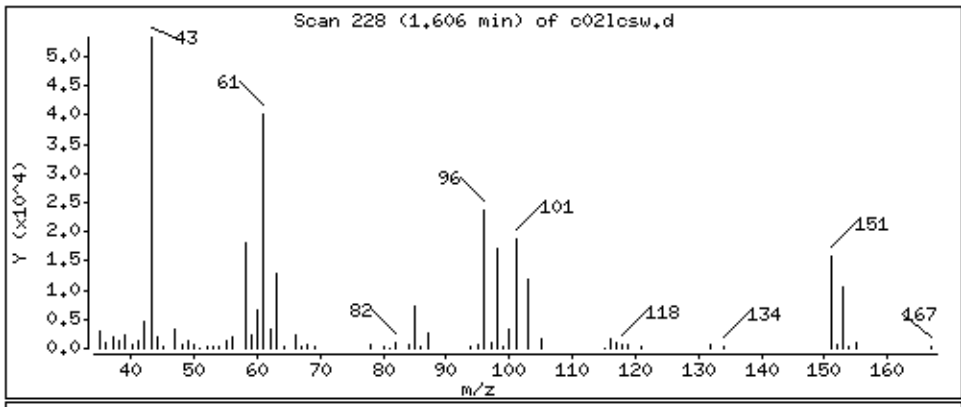
Column phase: DB-624

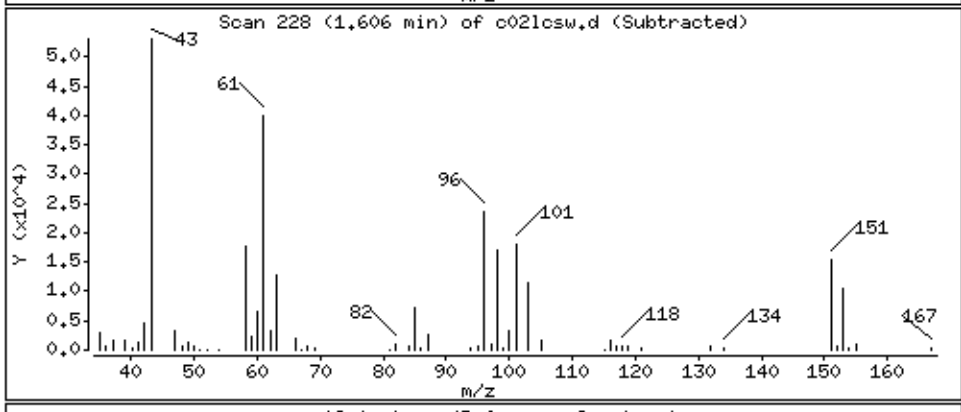
Column diameter: 0.18

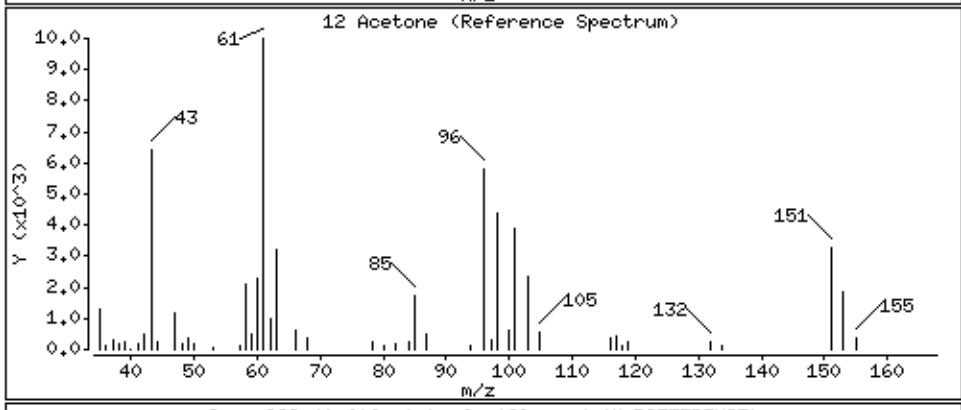
12 Acetone

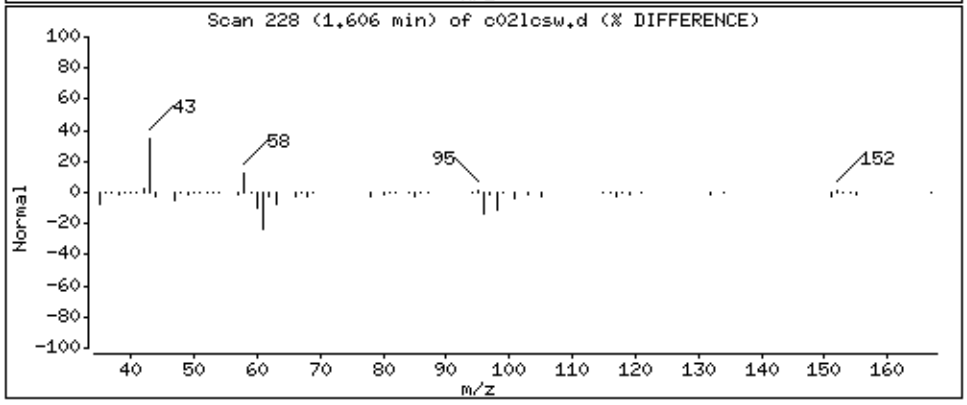
Concentration: 220 ppb

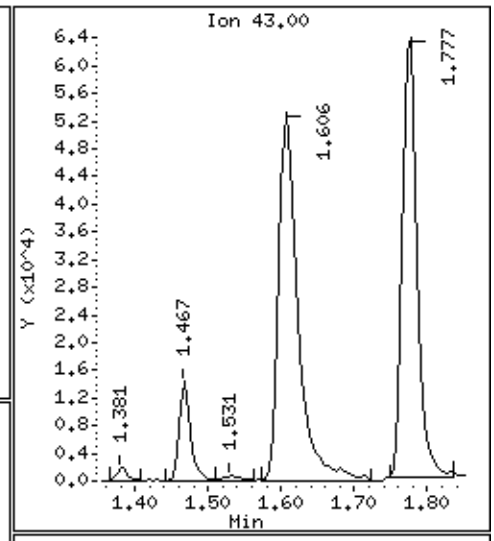
Review Code:

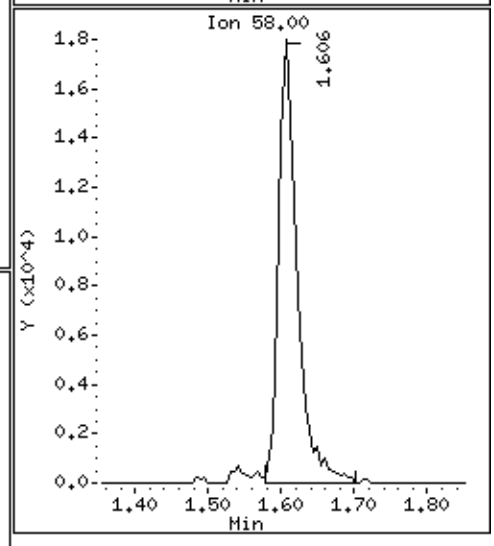












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

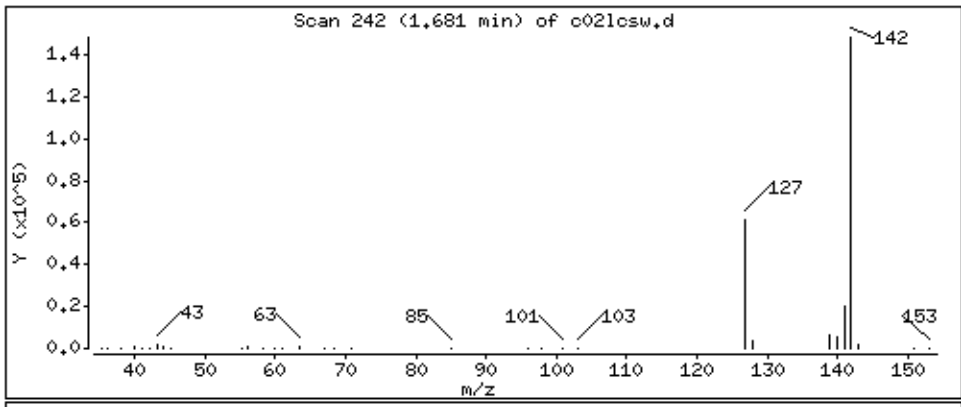
Column phase: DB-624

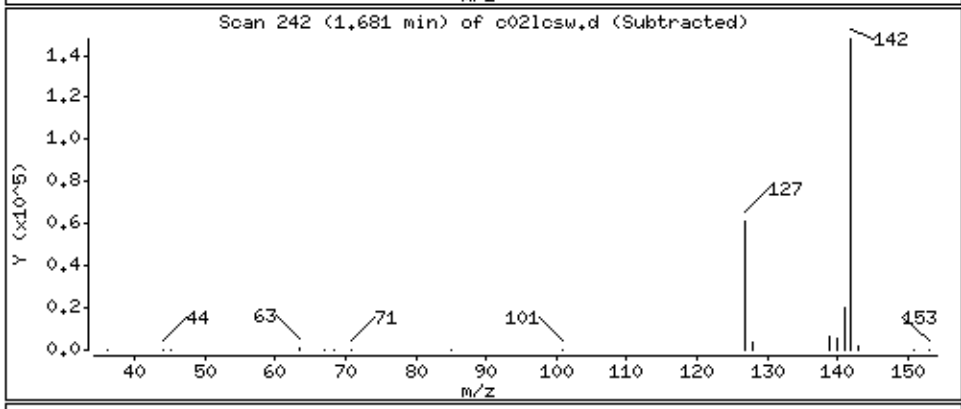
Column diameter: 0.18

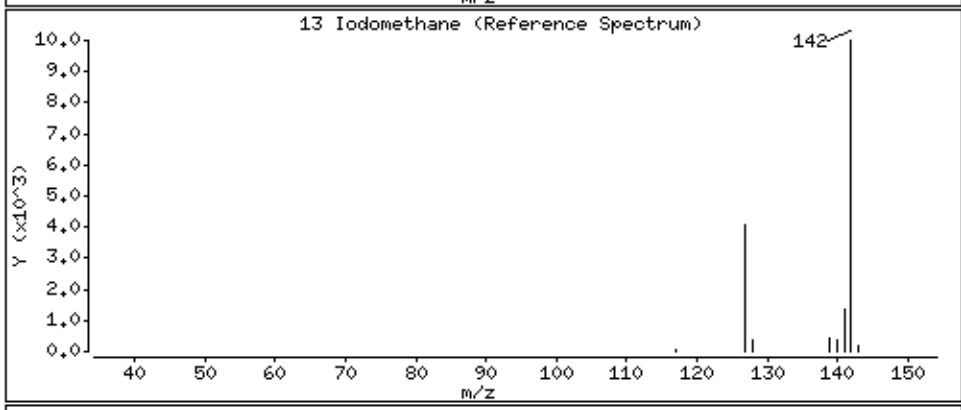
13 Iodomethane

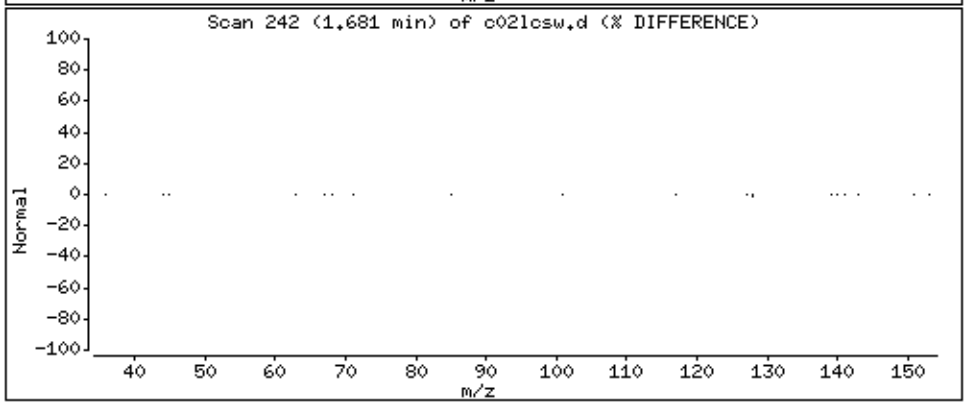
Concentration: 97.1 ppb

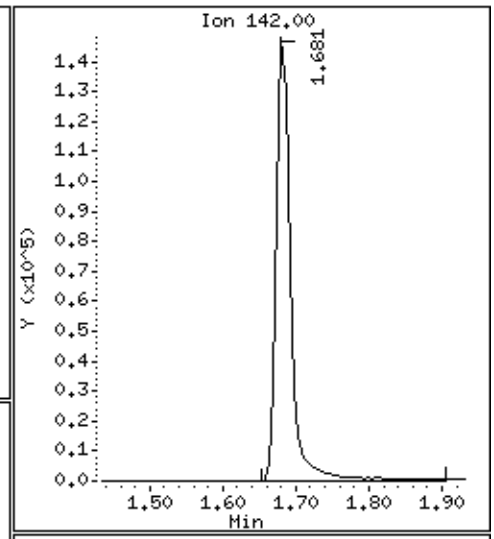
Review Code:

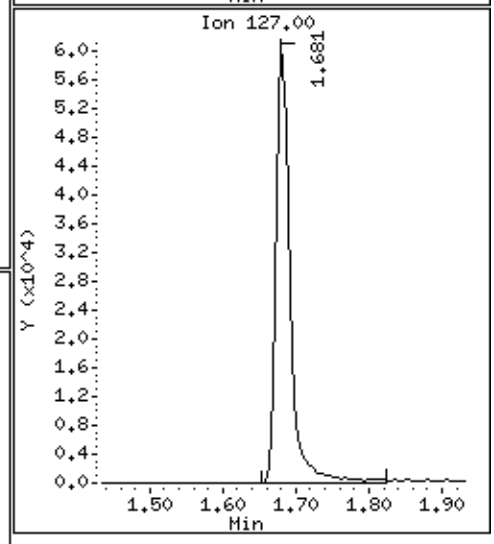












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

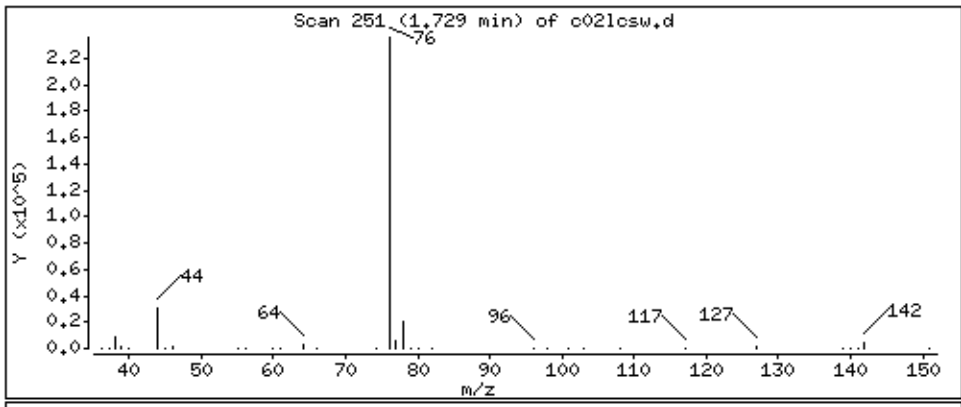
Column phase: DB-624

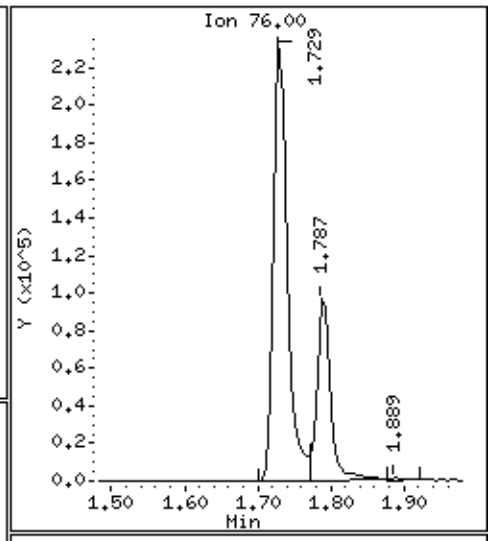
Column diameter: 0.18

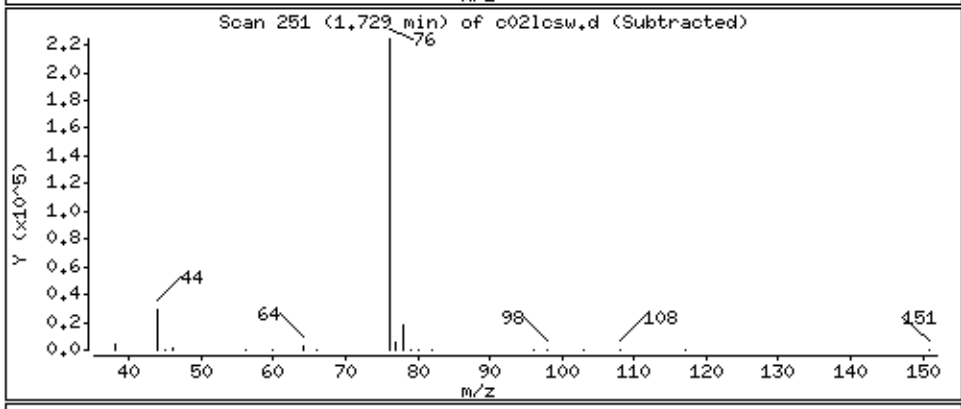
14 Carbon Disulfide

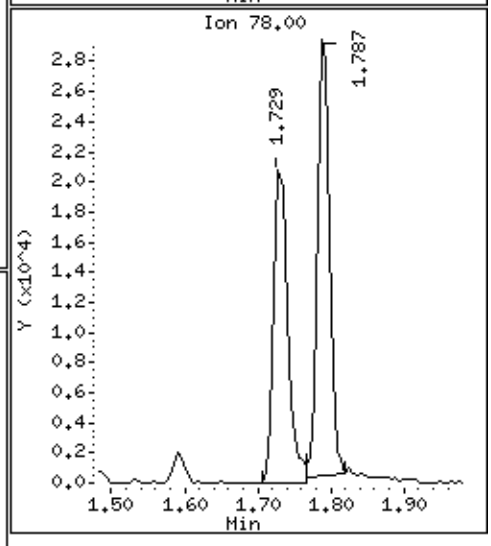
Concentration: 44.4 ppb

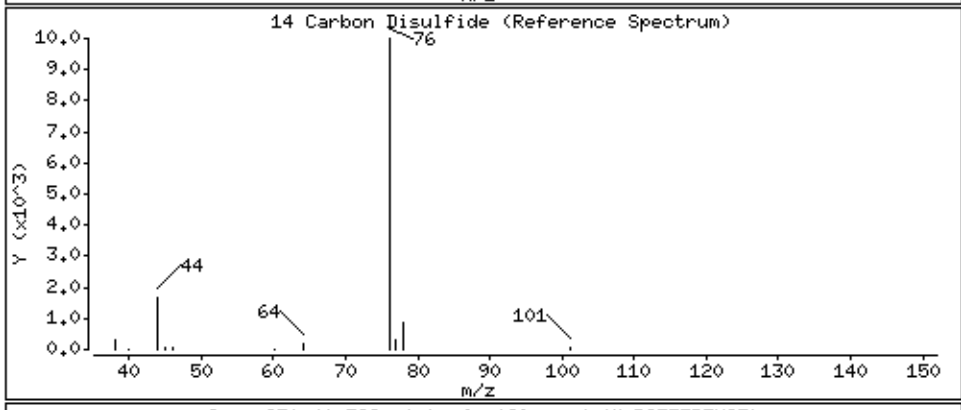
Review Code:

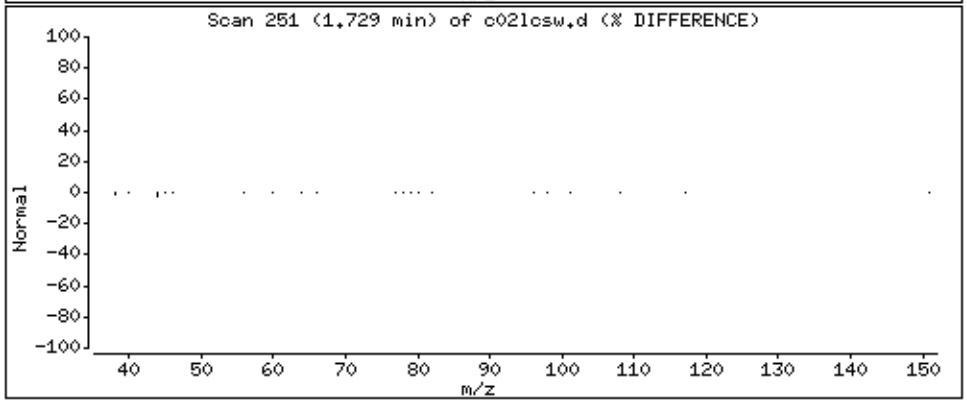












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

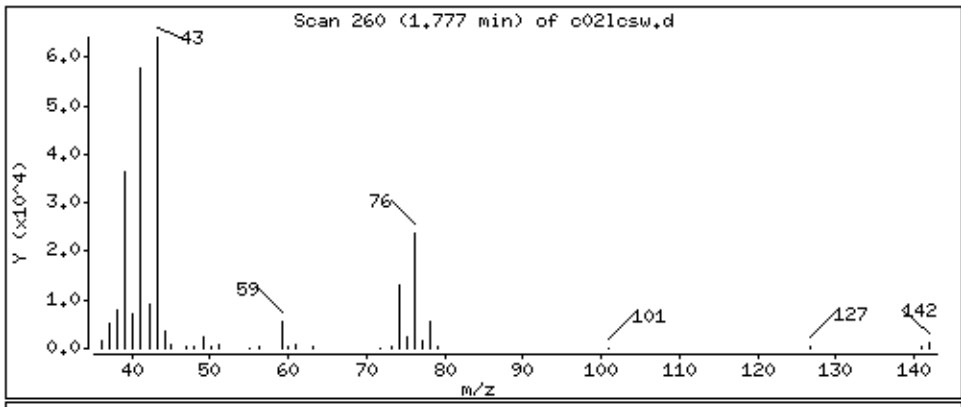
Column phase: DB-624

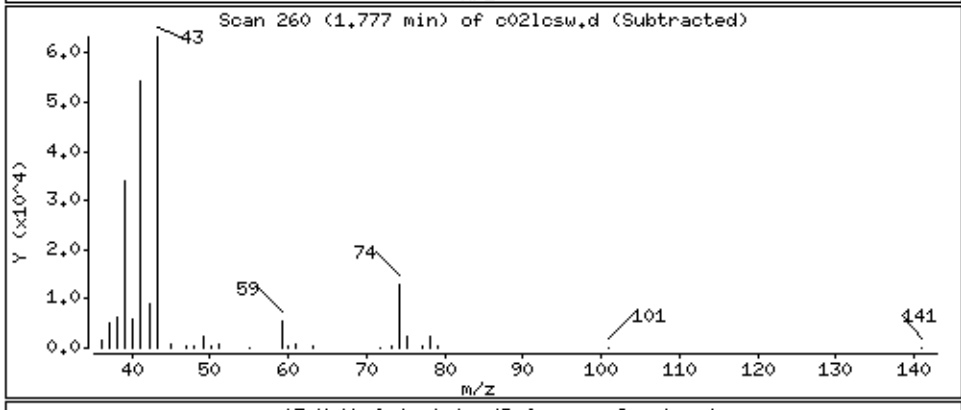
Column diameter: 0.18

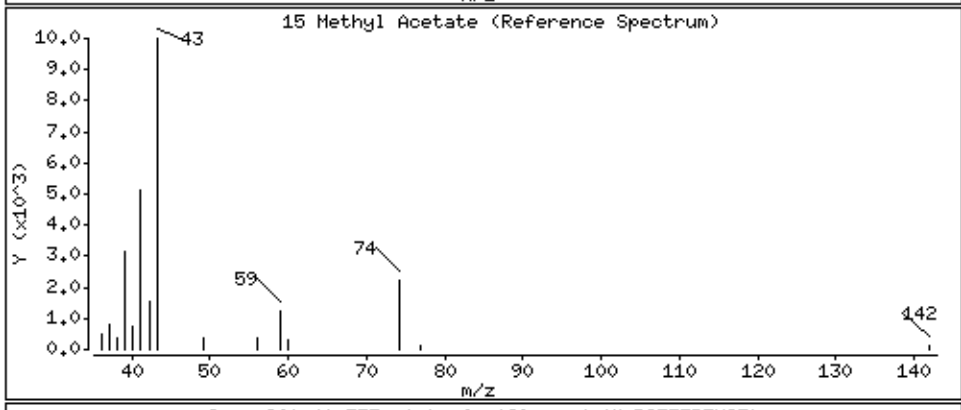
15 Methyl Acetate

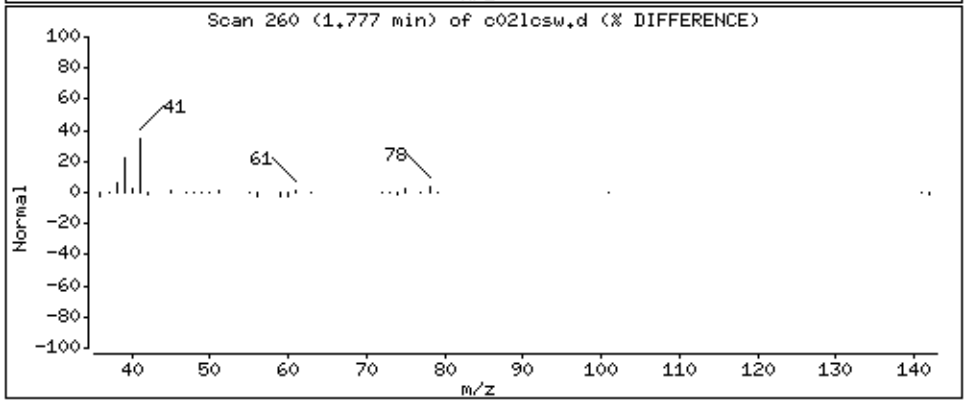
Concentration: 64.8 ppb

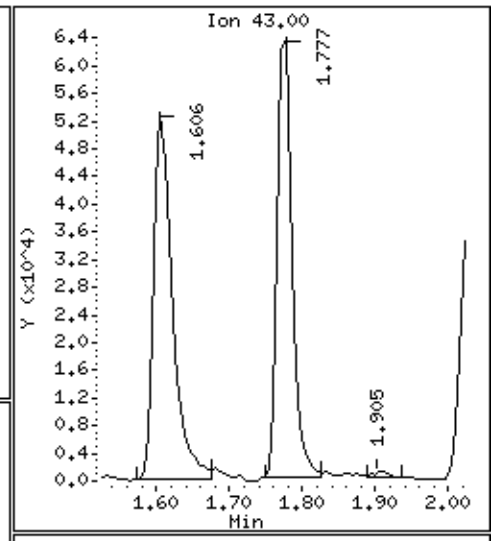
Review Code:

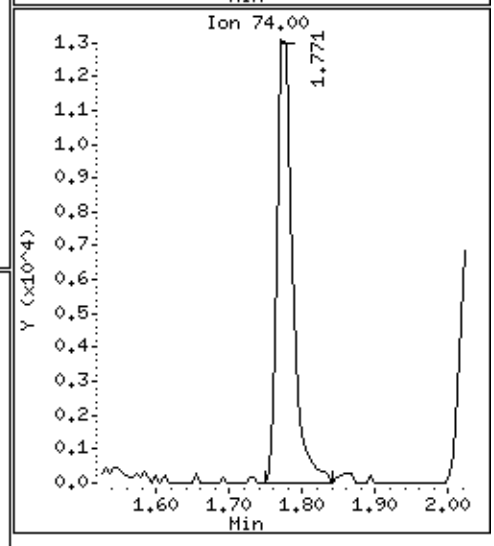












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

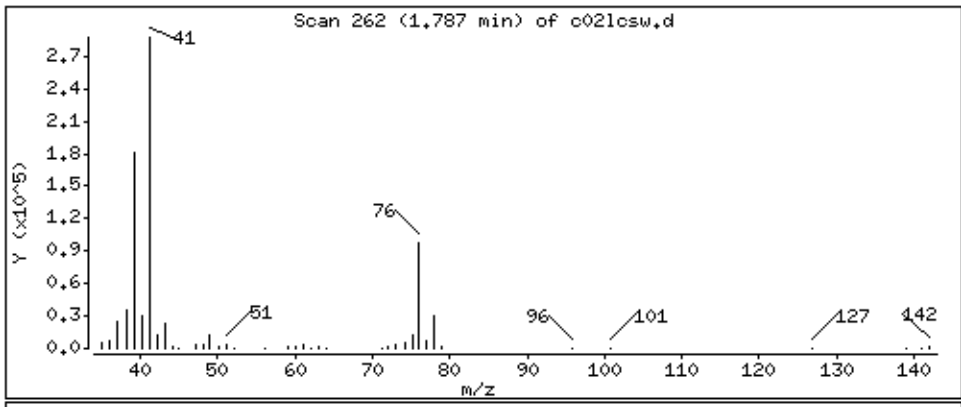
Column phase: DB-624

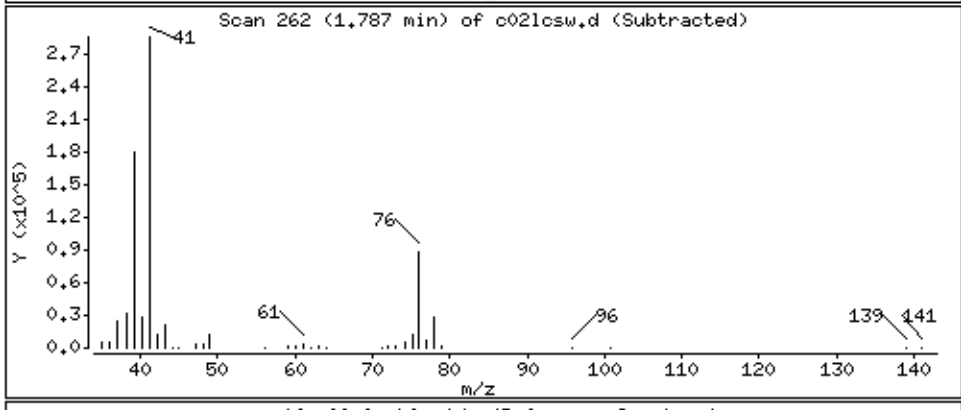
Column diameter: 0.18

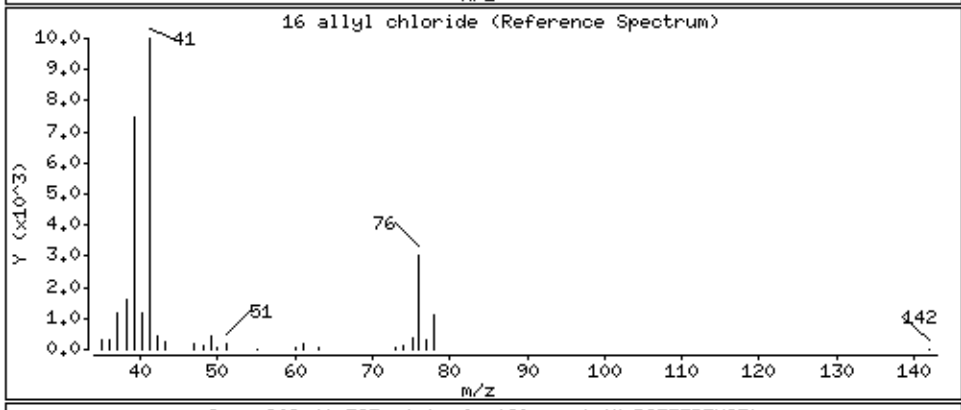
16 allyl chloride

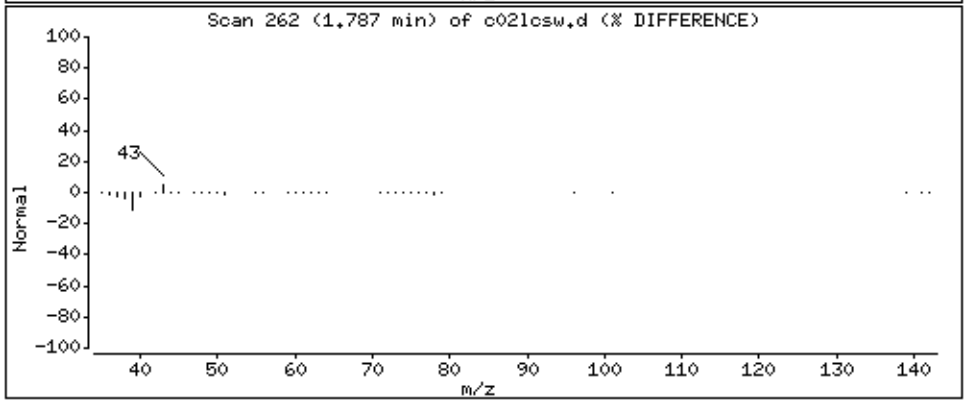
Concentration: 88.6 ppb

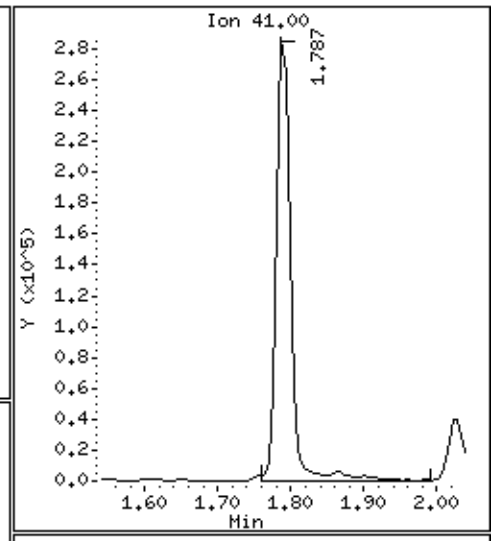
Review Code:

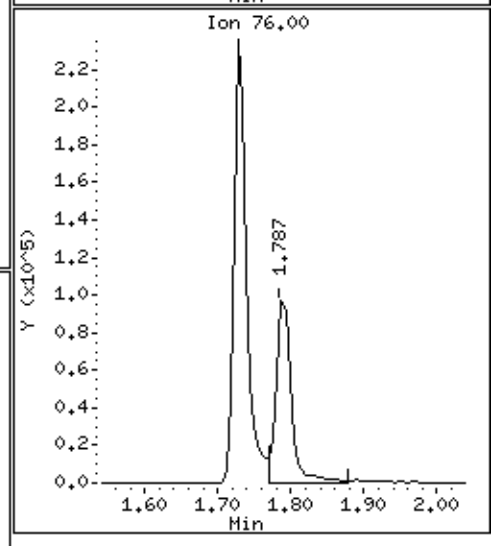












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

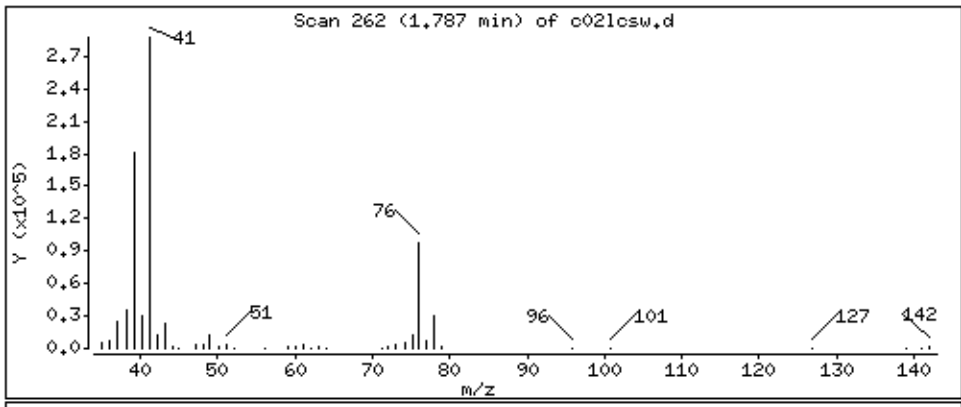
Column phase: DB-624

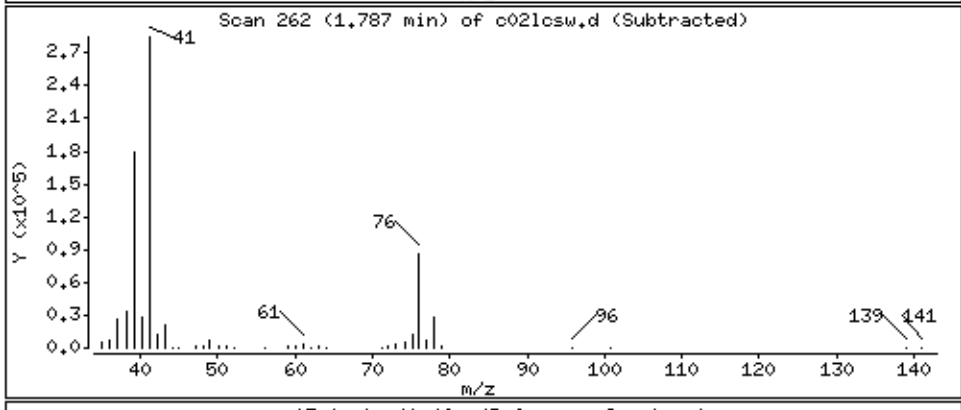
Column diameter: 0.18

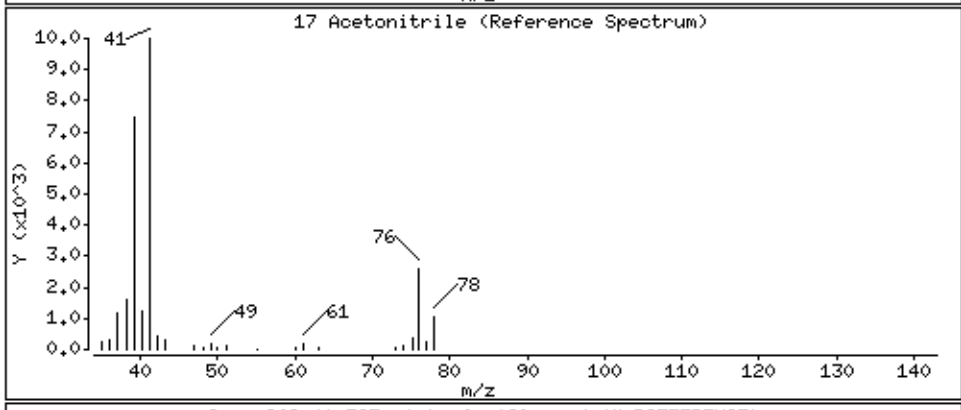
17 Acetonitrile

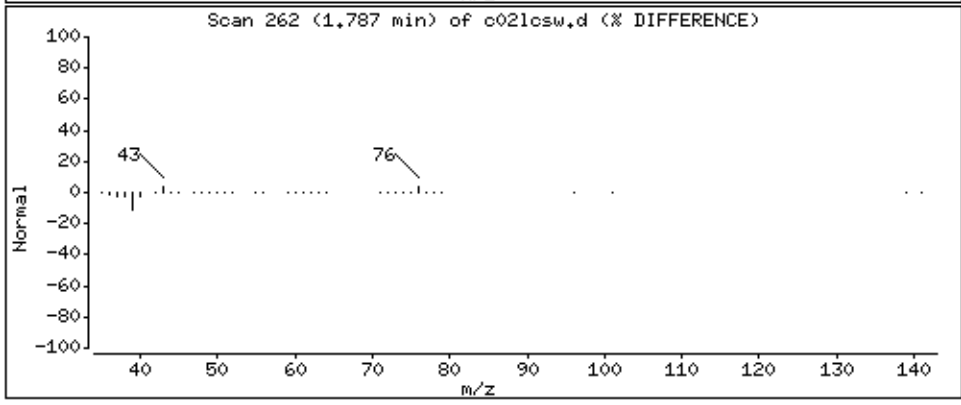
Concentration: 37.0 ppb

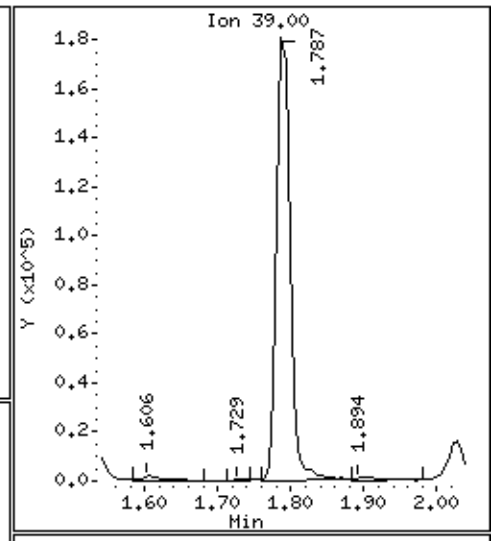
Review Code:

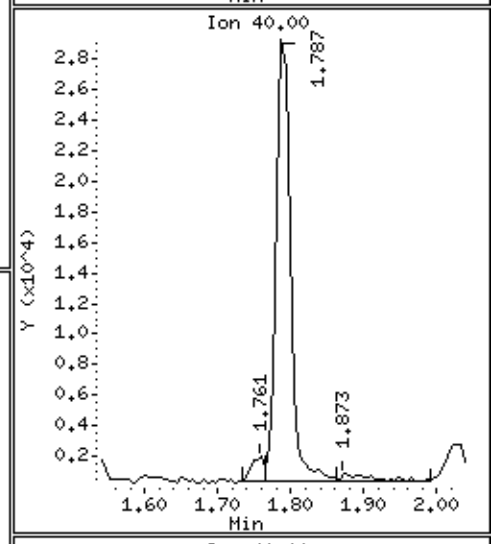


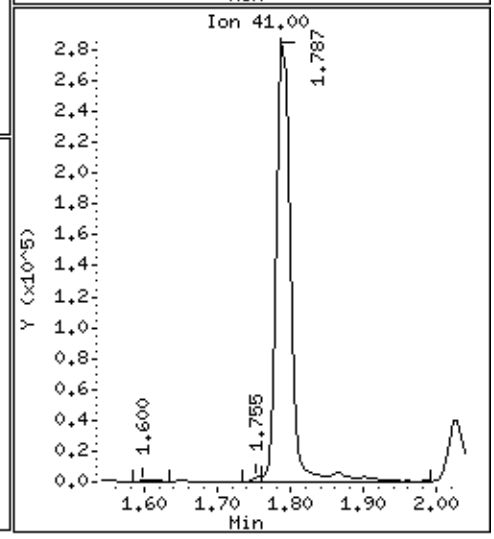












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

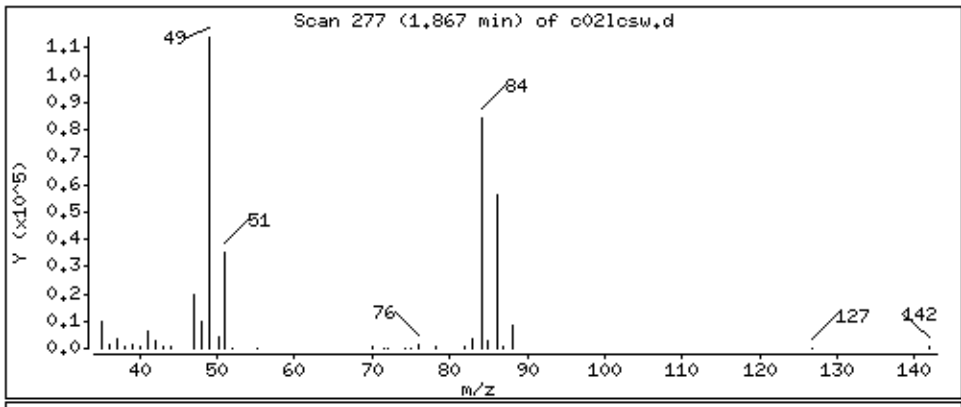
Column phase: DB-624

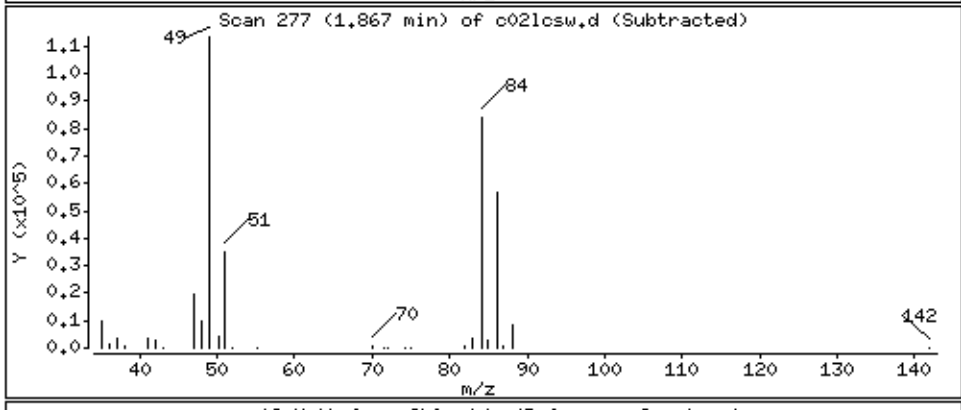
Column diameter: 0.18

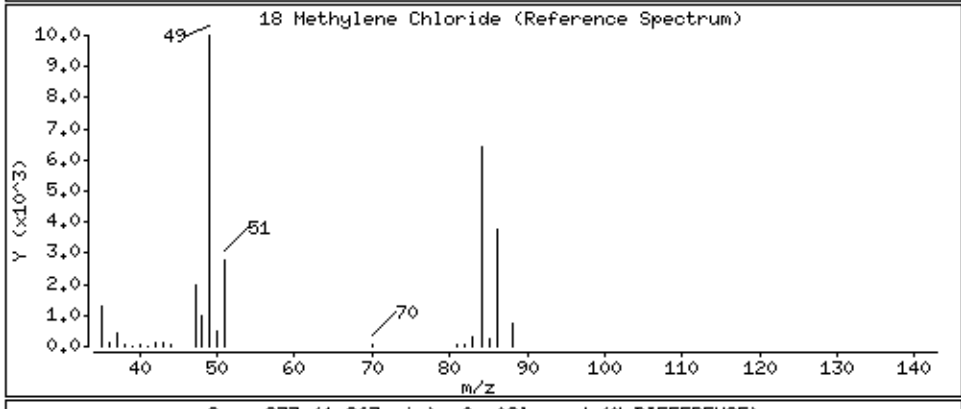
18 Methylene Chloride

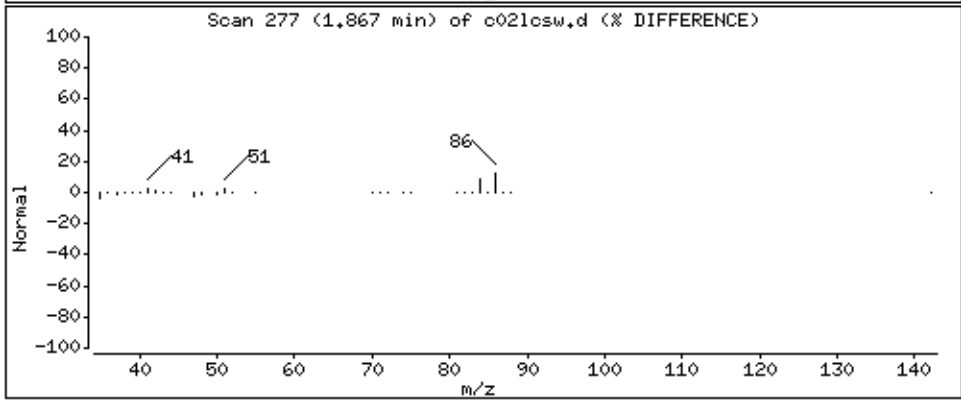
Concentration: 56.3 ppb

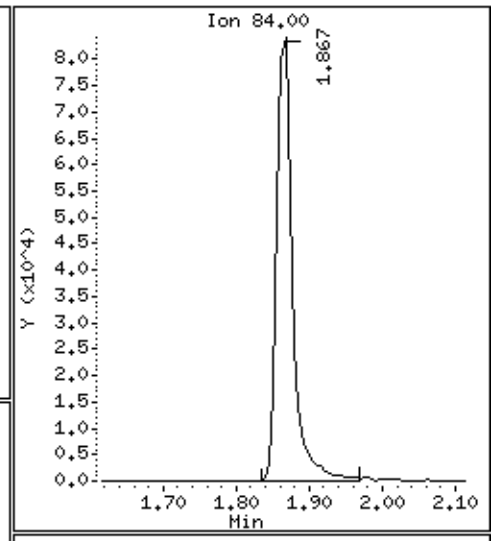
Review Code:

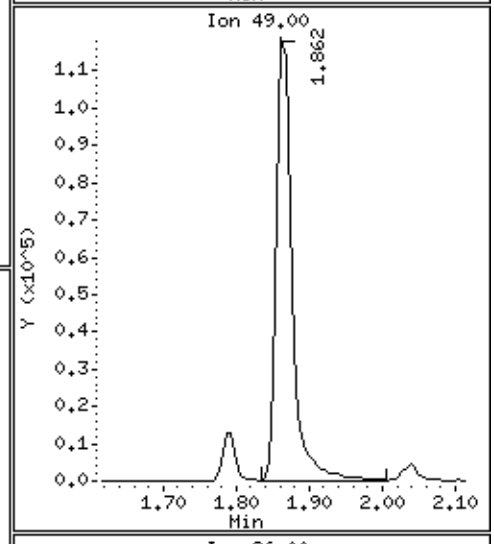


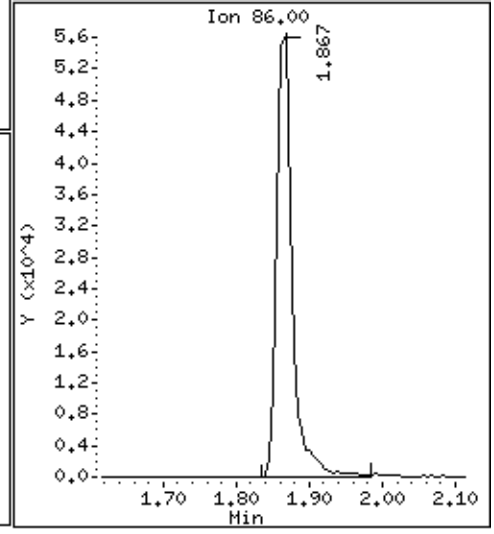












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

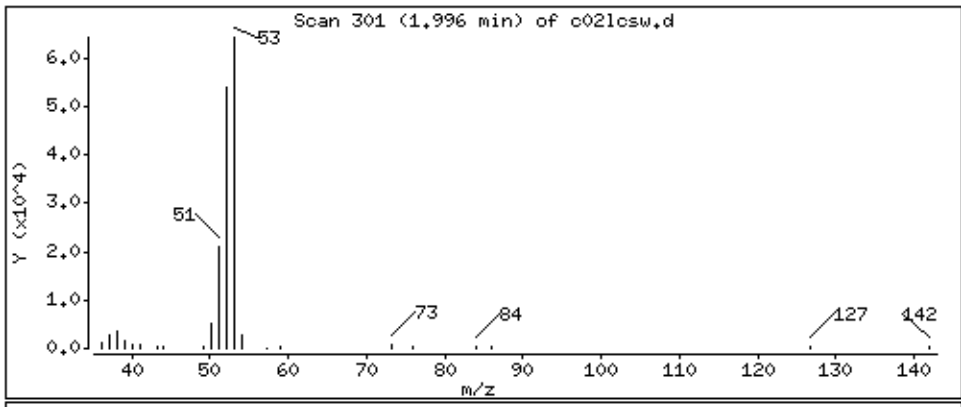
Column phase: DB-624

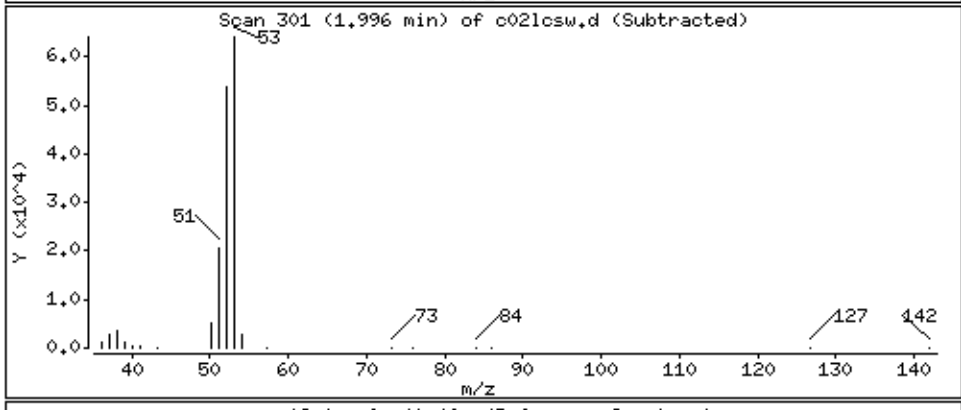
Column diameter: 0.18

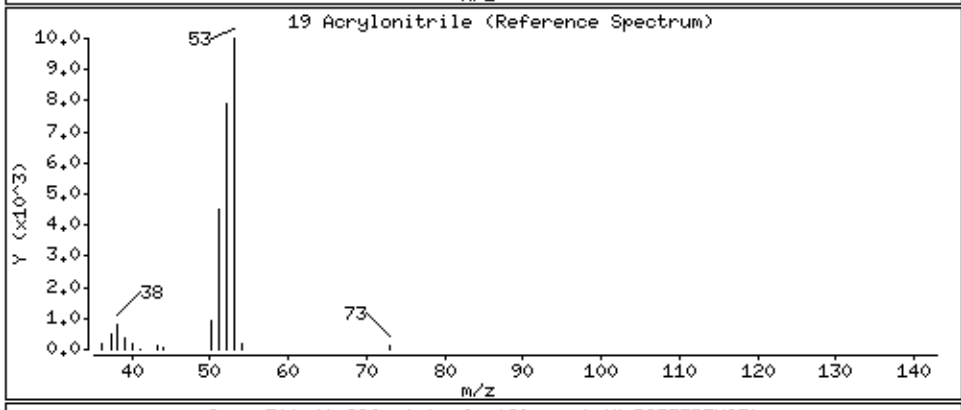
19 Acrylonitrile

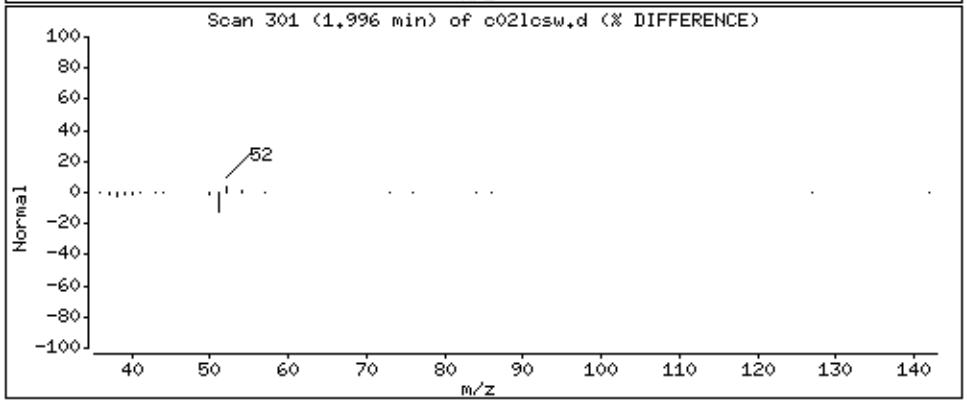
Concentration: 197 ppb

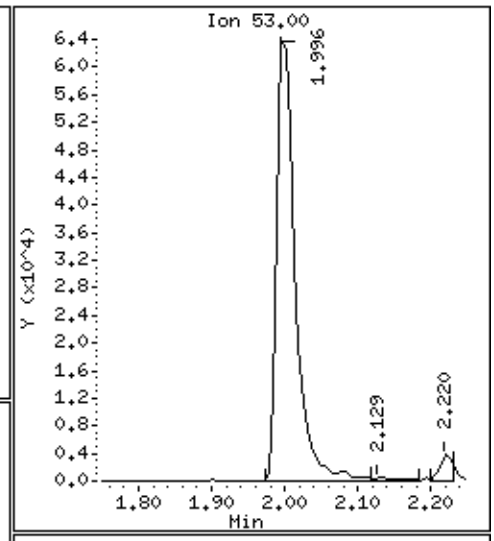
Review Code:

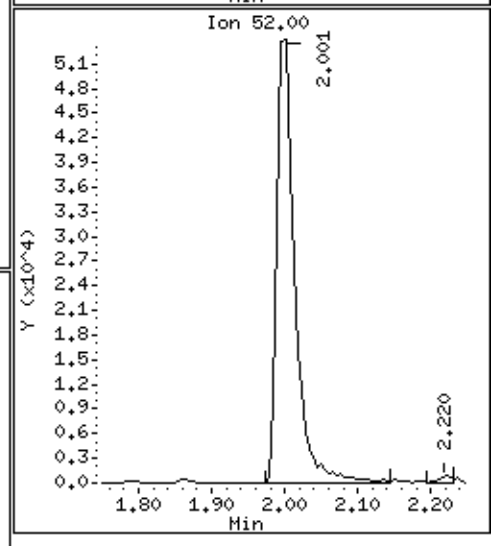












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

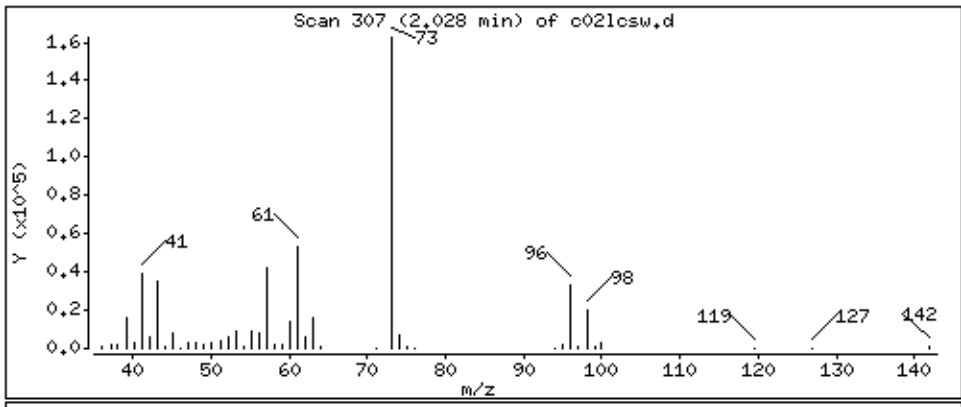
Column phase: DB-624

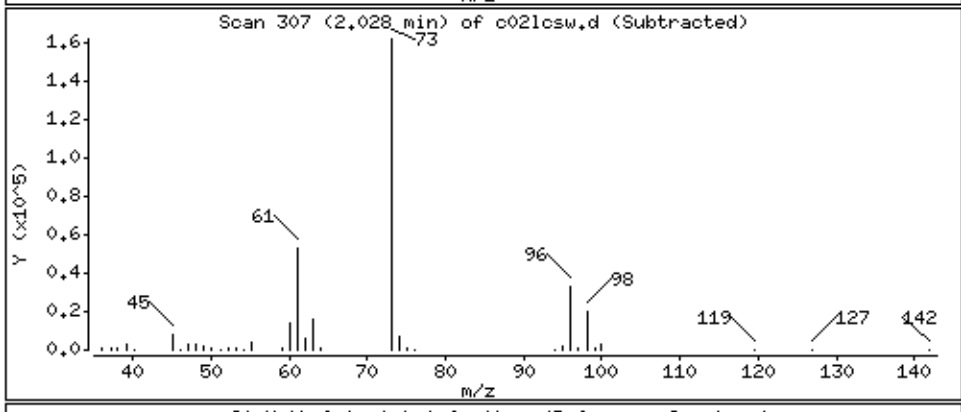
Column diameter: 0.18

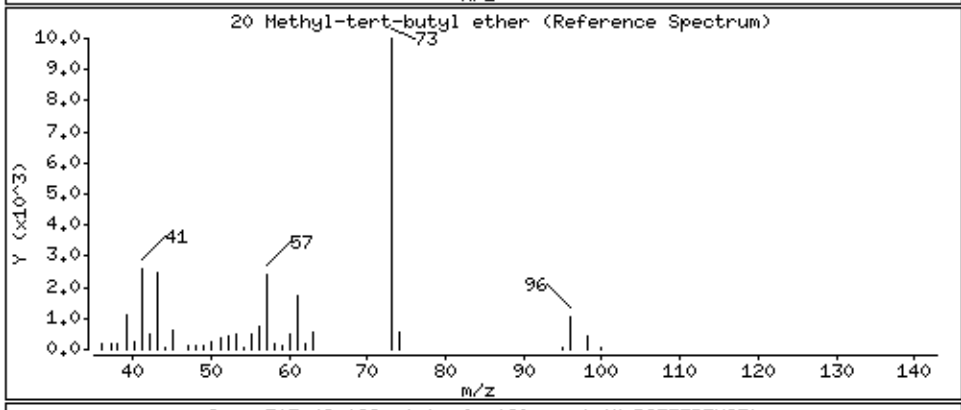
20 Methyl-tert-butyl ether

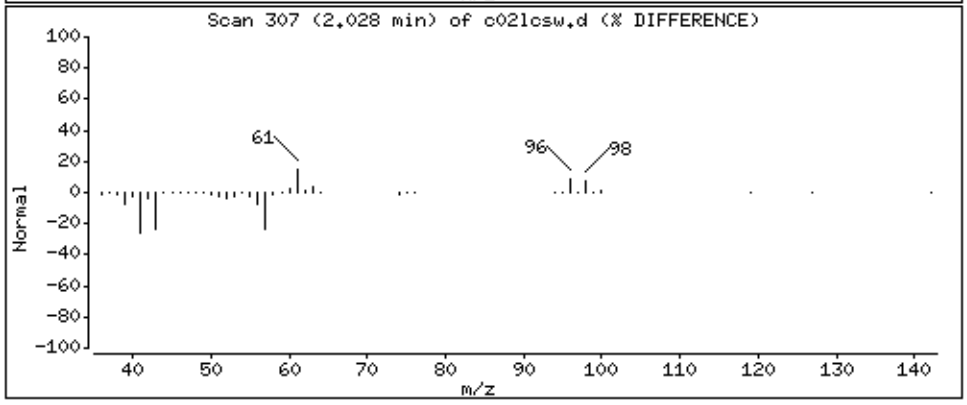
Concentration: 47.0 ppb

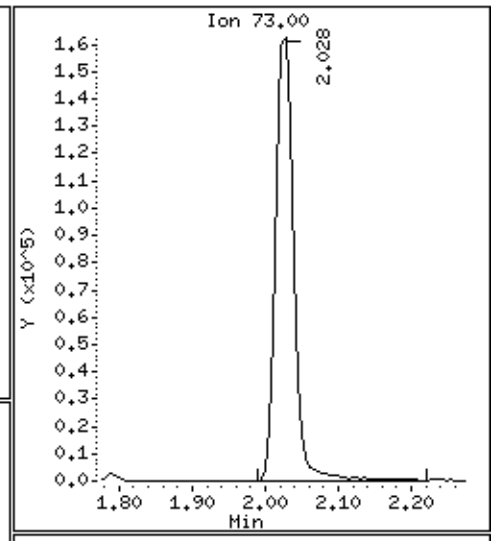
Review Code:

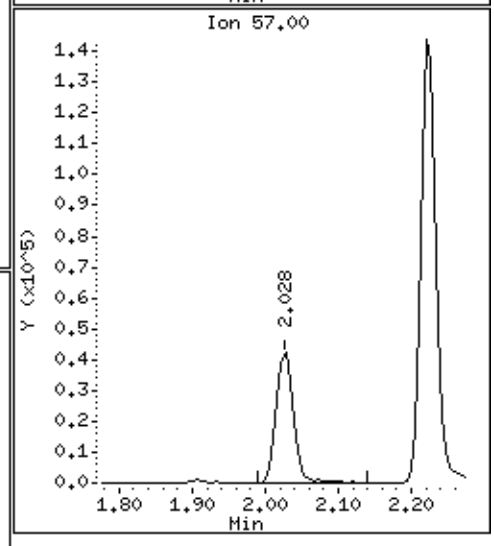












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

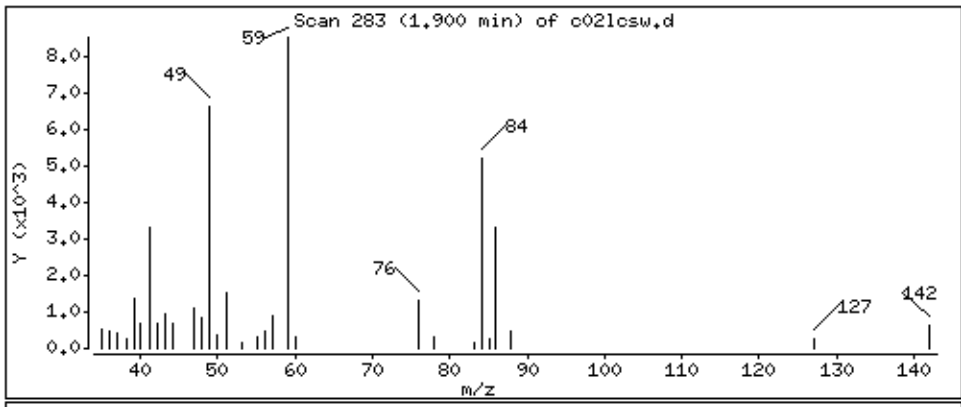
Column phase: DB-624

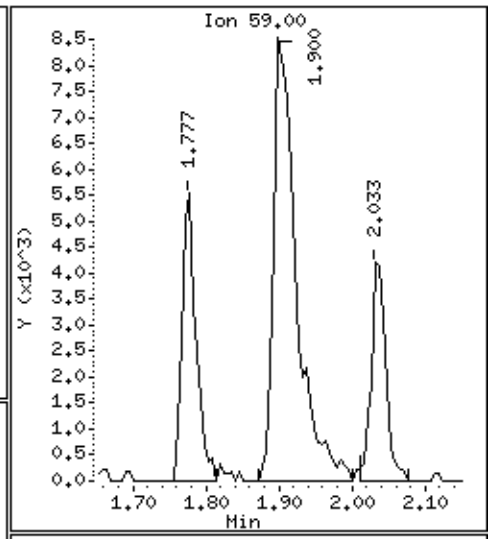
Column diameter: 0.18

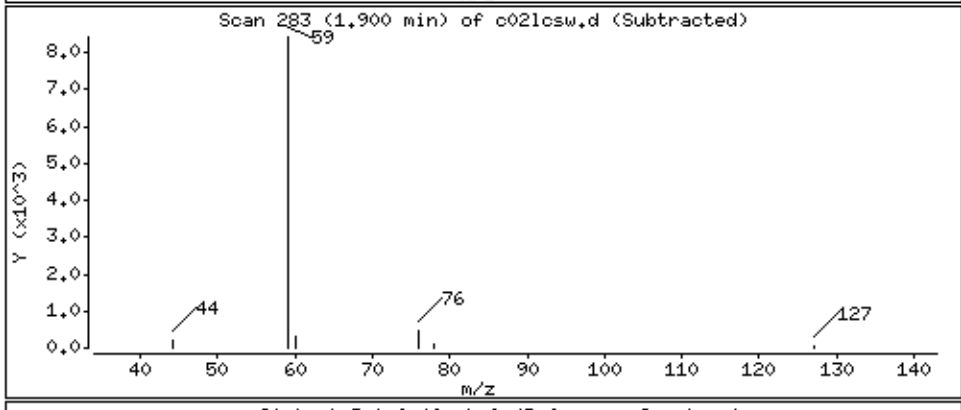
21 tert-Butyl Alcohol

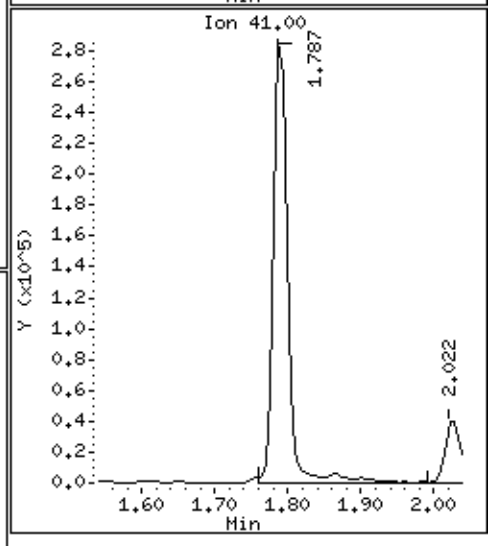
Concentration: 109 ppb

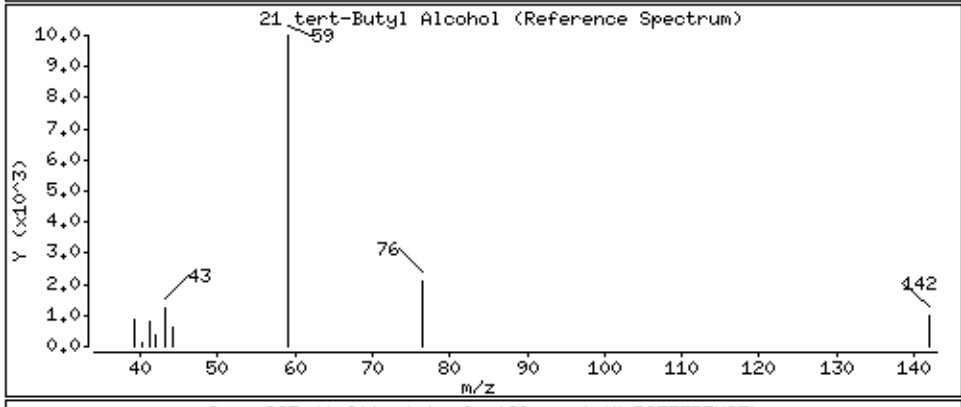
Review Code:

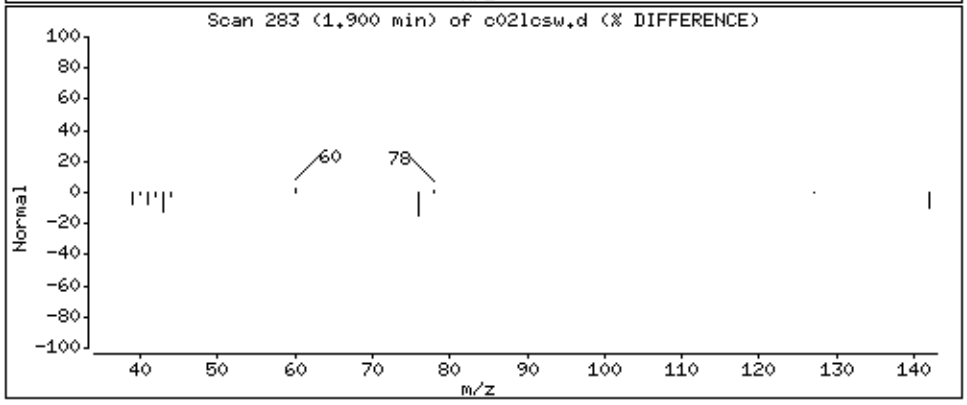












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

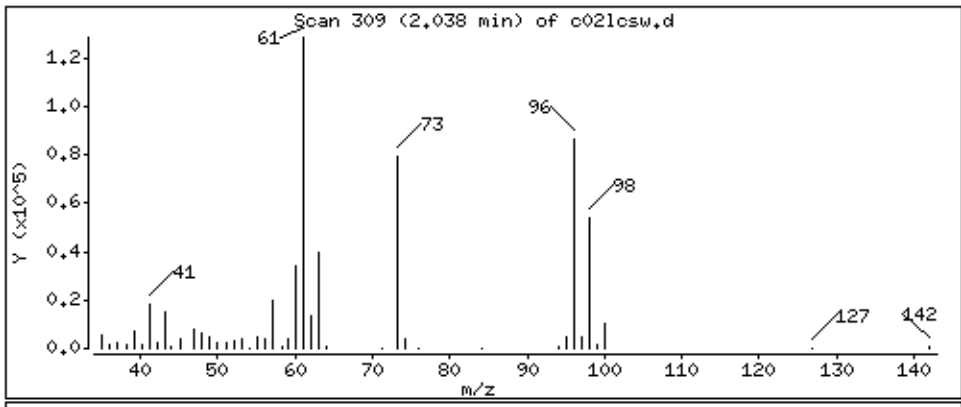
Column phase: DB-624

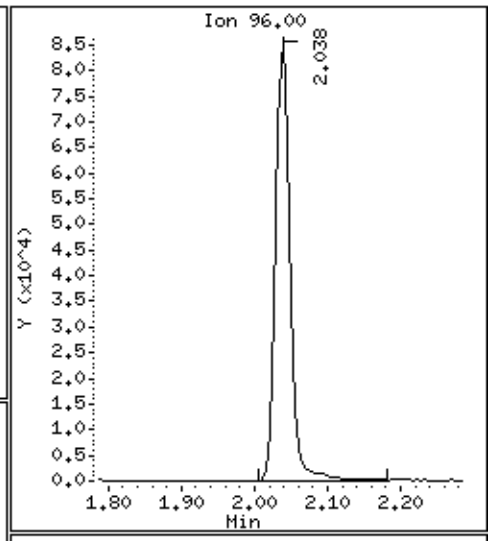
Column diameter: 0.18

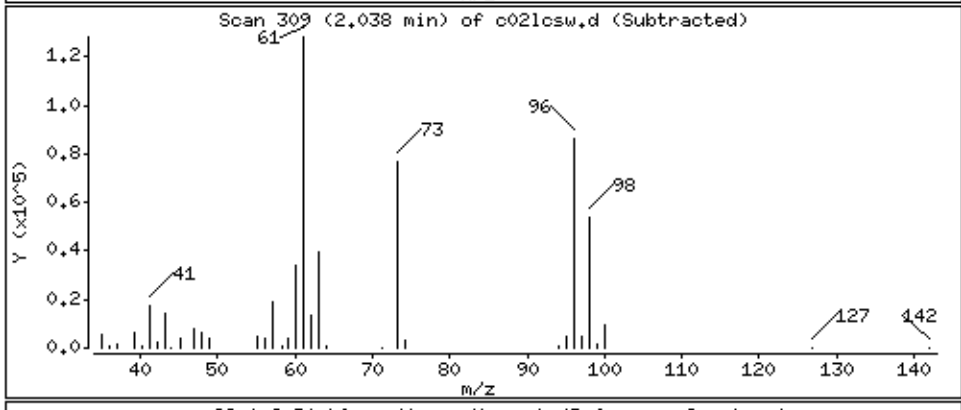
22 1,2-Dichloroethene (trans)

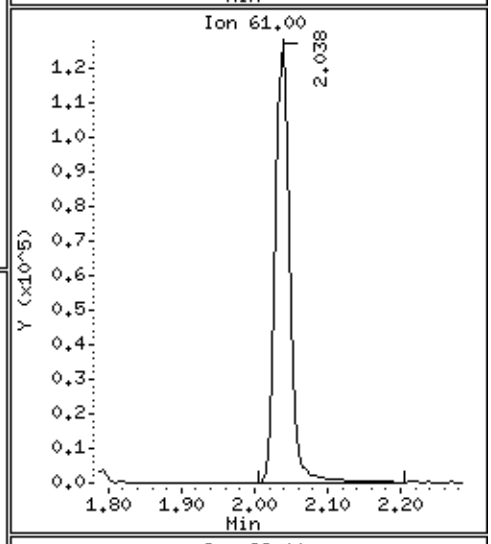
Concentration: 46.8 ppb

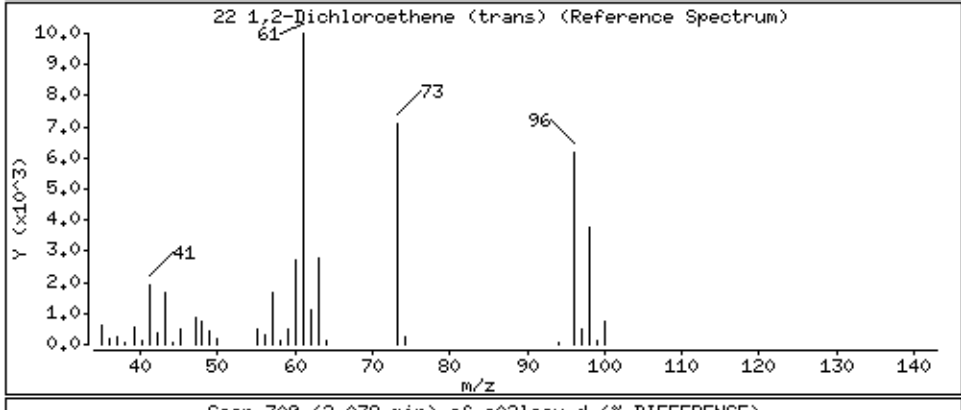
Review Code:

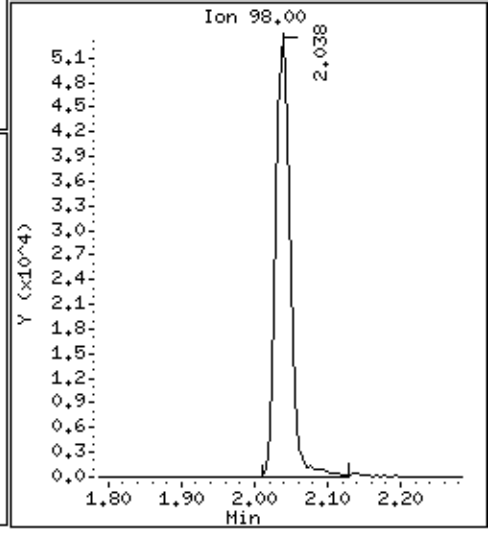


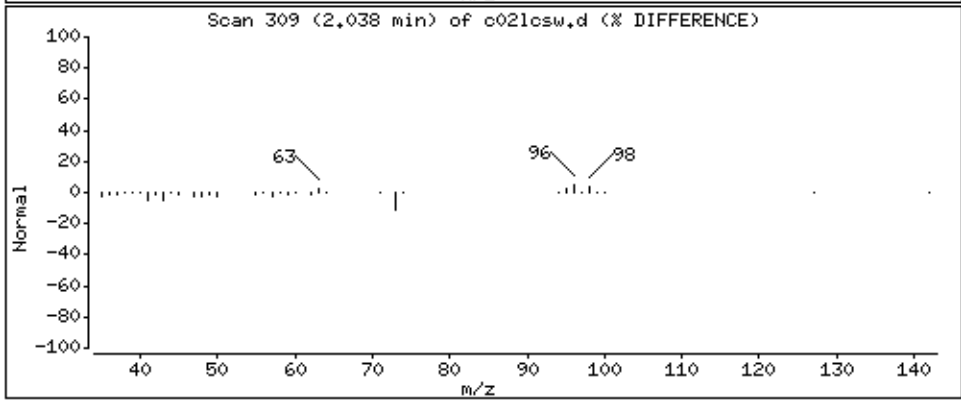












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

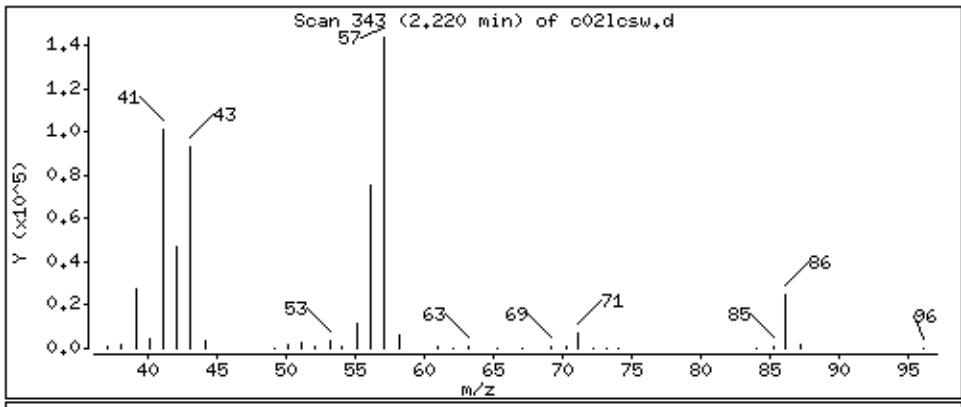
Column phase: DB-624

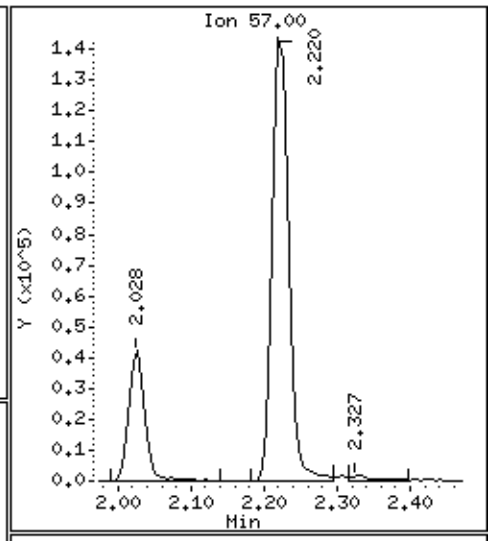
Column diameter: 0.18

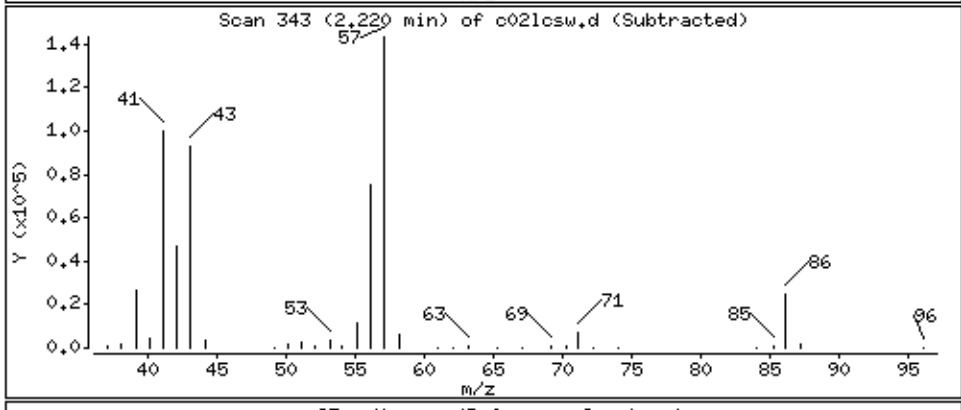
23 n-Hexane

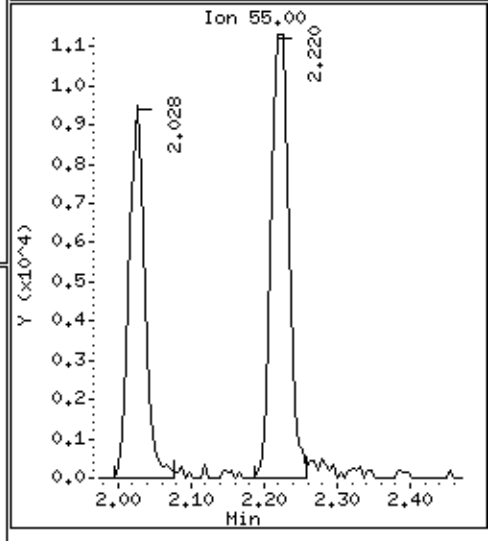
Concentration: 45.6 ppb

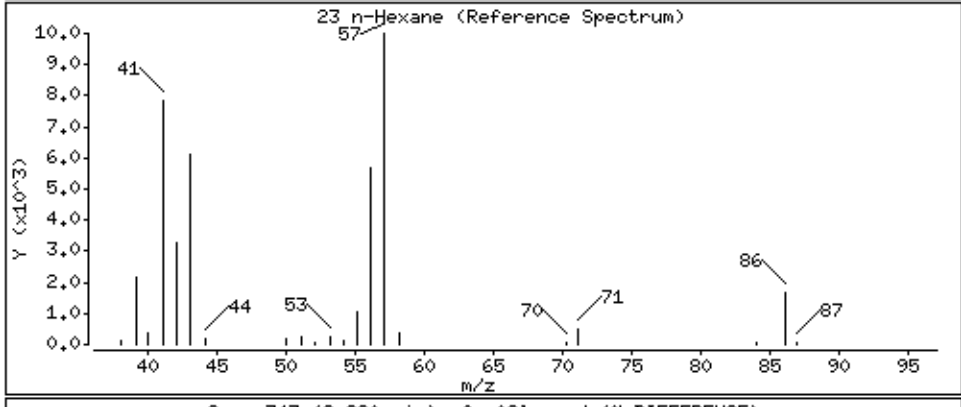
Review Code:

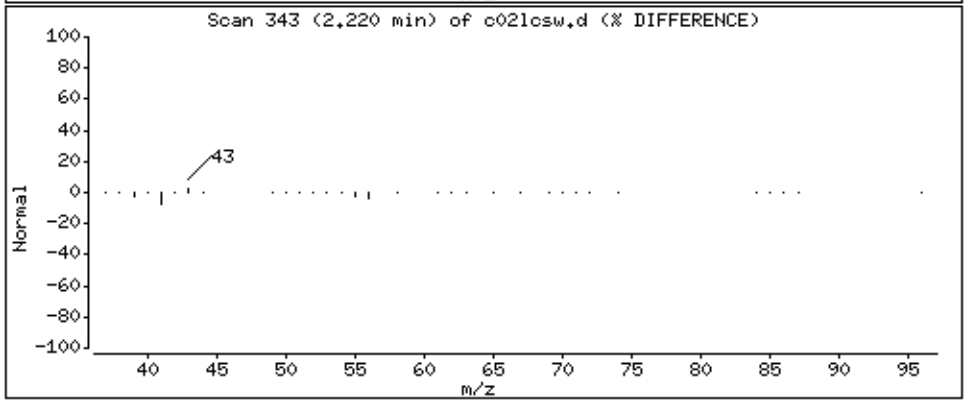












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

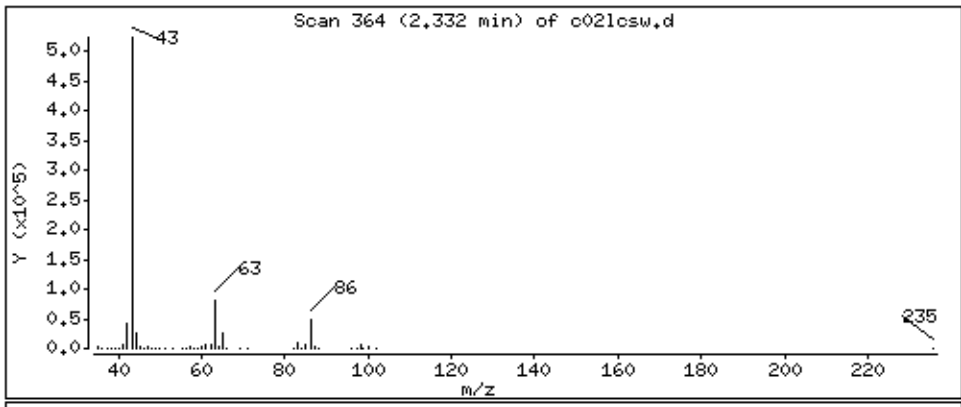
Column phase: DB-624

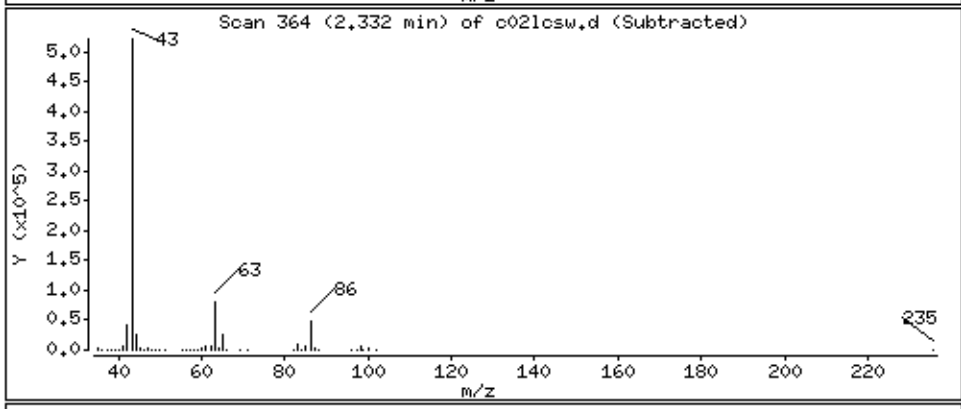
Column diameter: 0.18

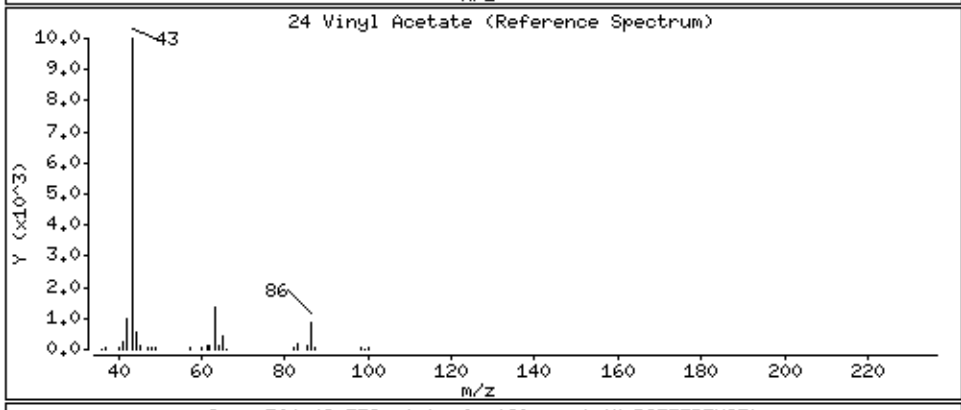
24 Vinyl Acetate

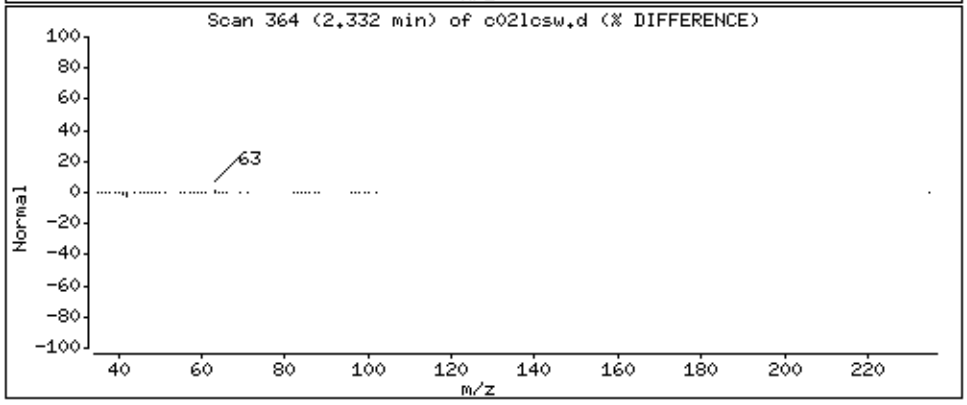
Concentration: 214 ppb

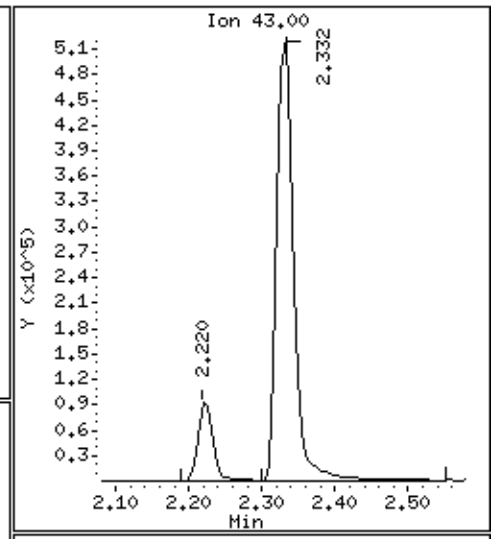
Review Code:

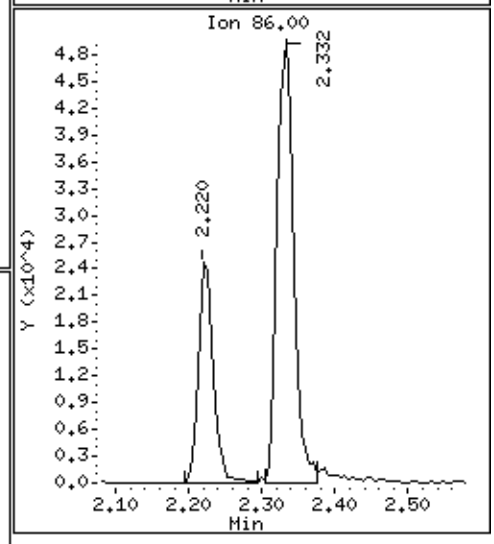












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

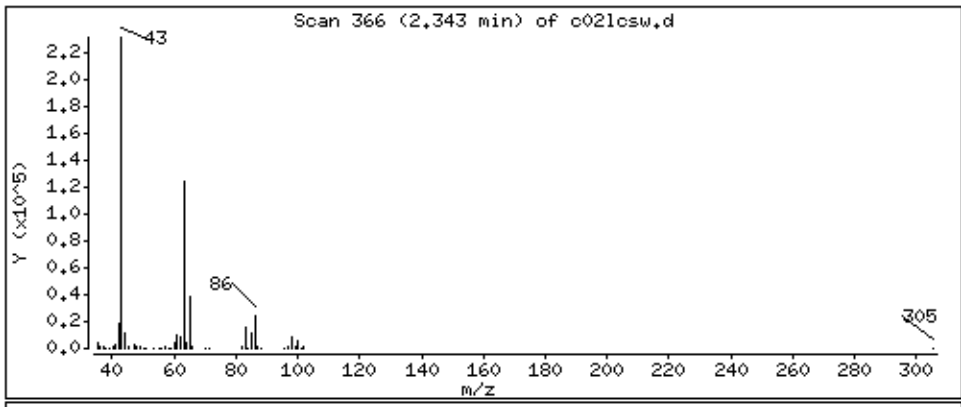
Column phase: DB-624

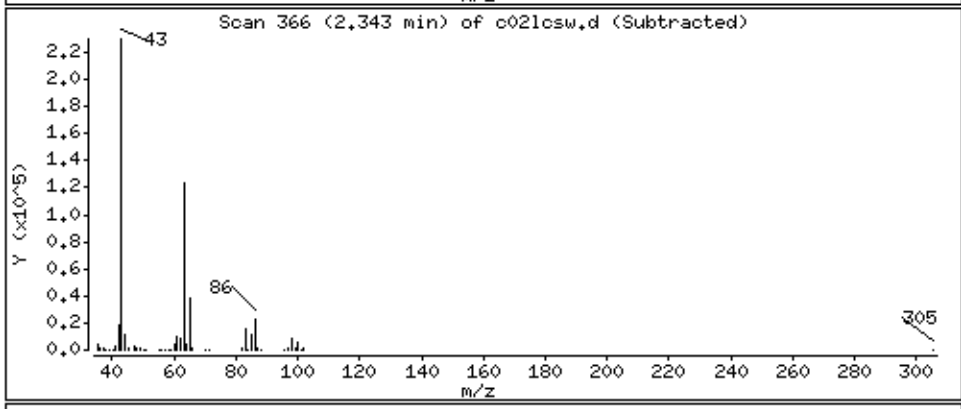
Column diameter: 0.18

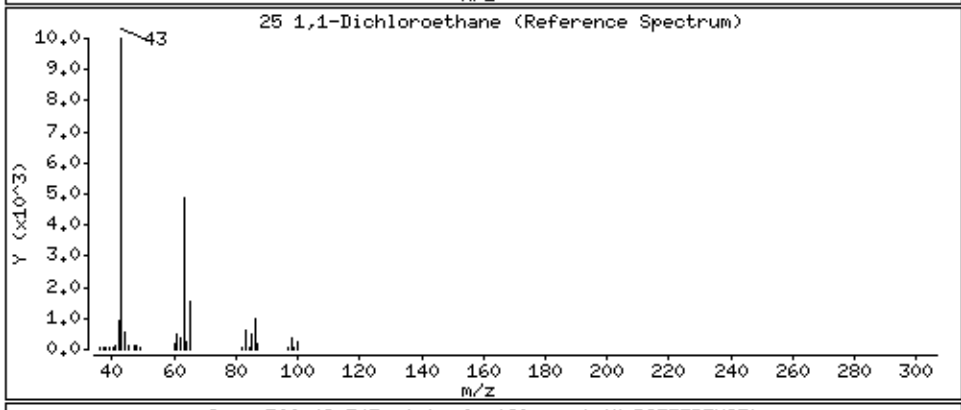
25 1,1-Dichloroethane

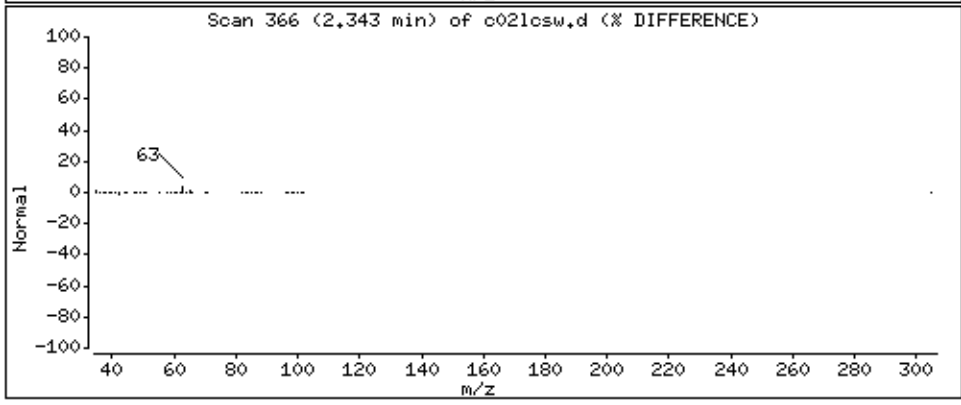
Concentration: 44.6 ppb

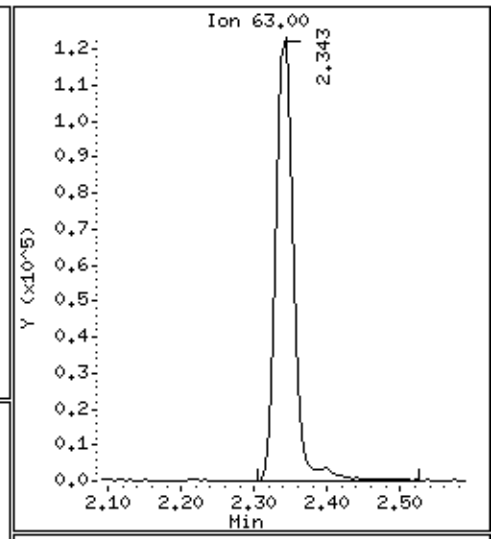
Review Code:

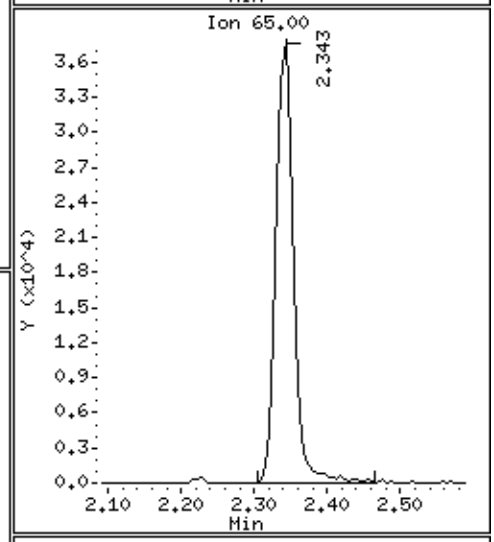


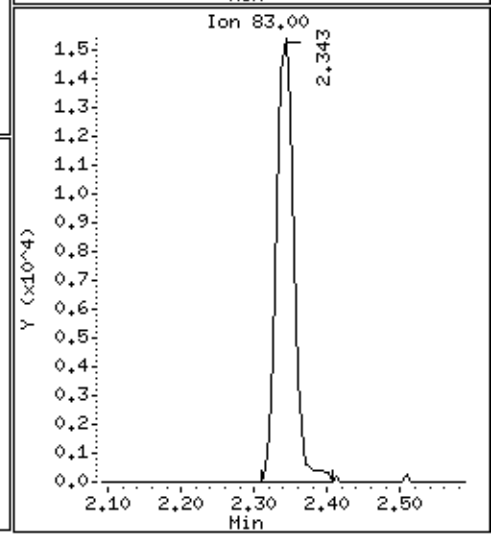












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

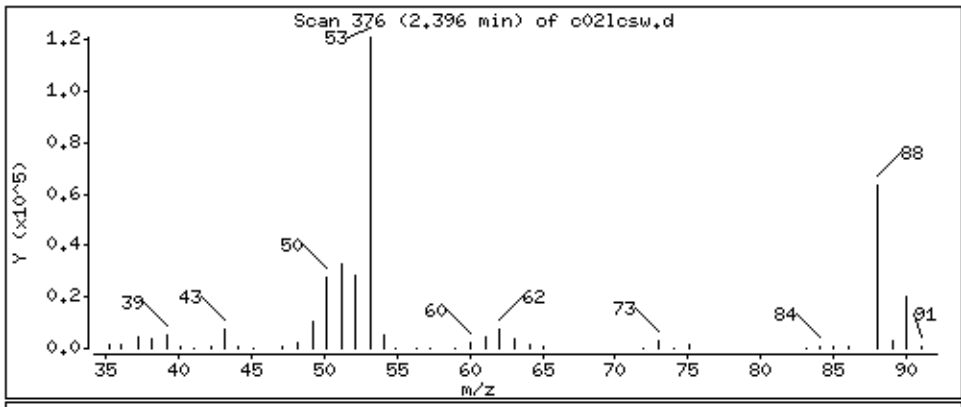
Column phase: DB-624

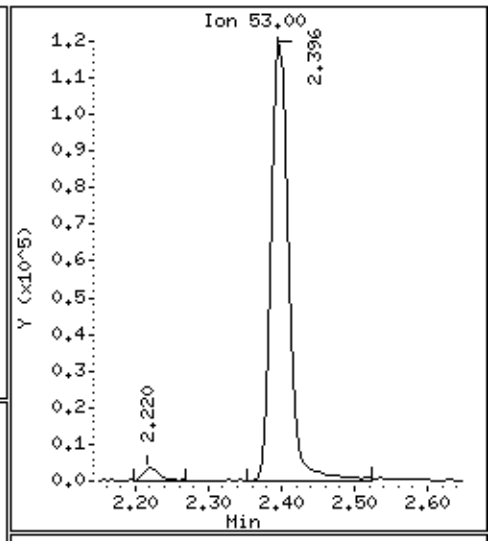
Column diameter: 0.18

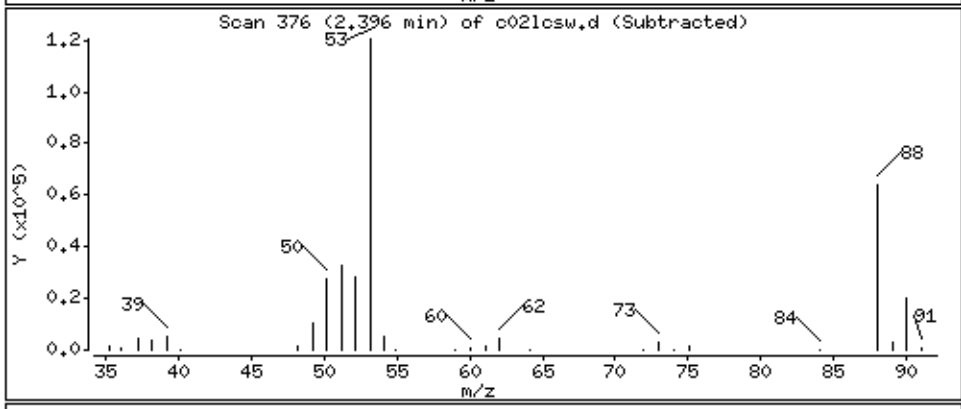
26 Chloroprene

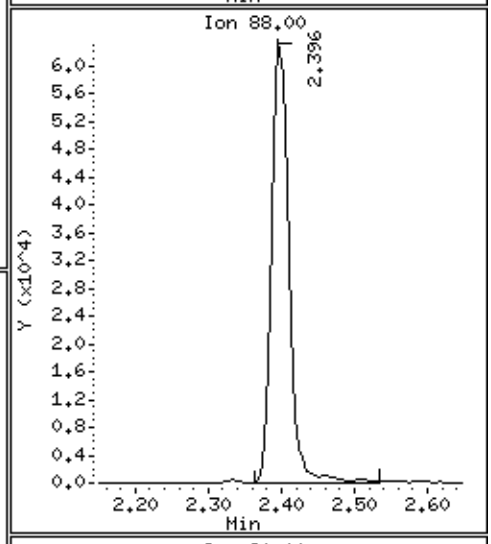
Concentration: 41.3 ppb

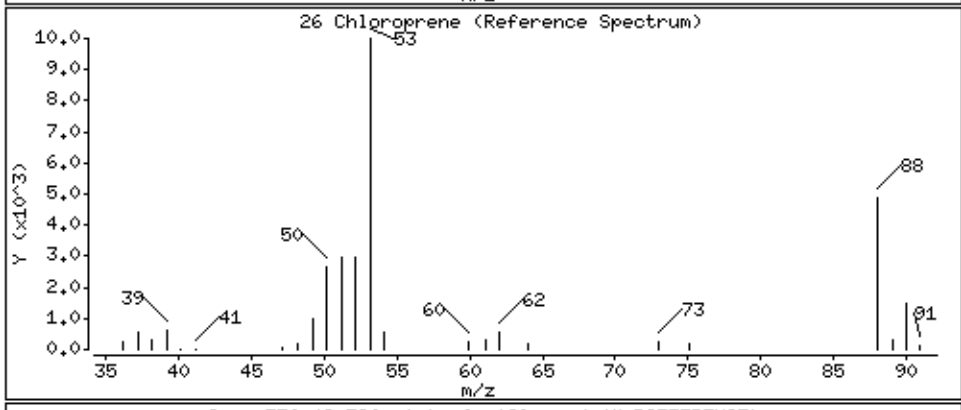
Review Code:

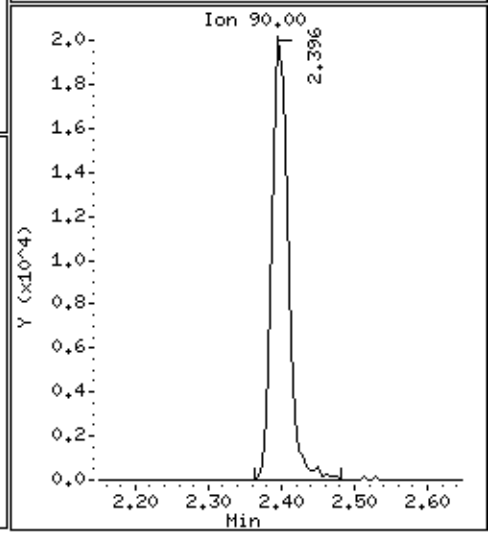


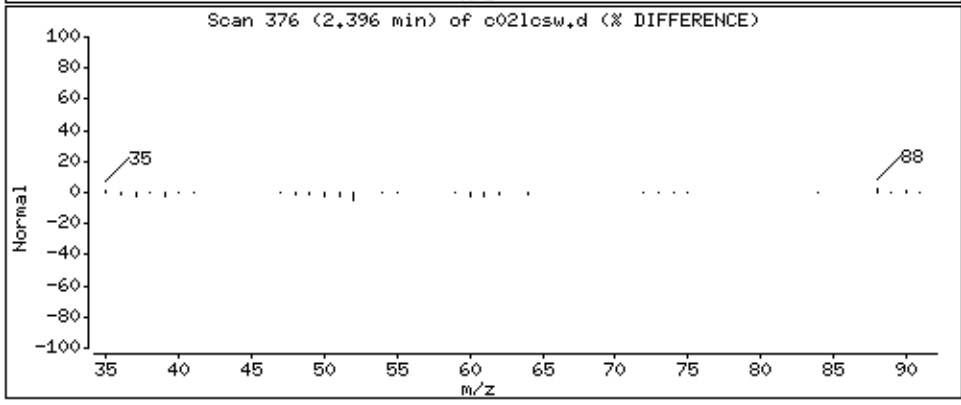












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

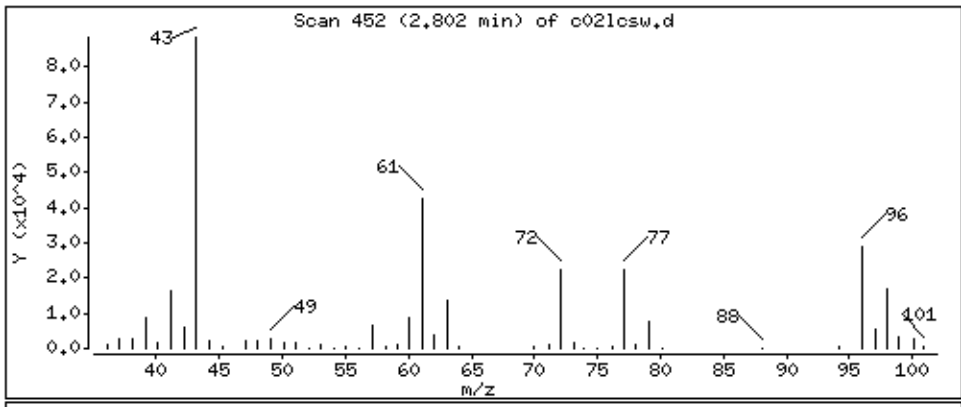
Column phase: DB-624

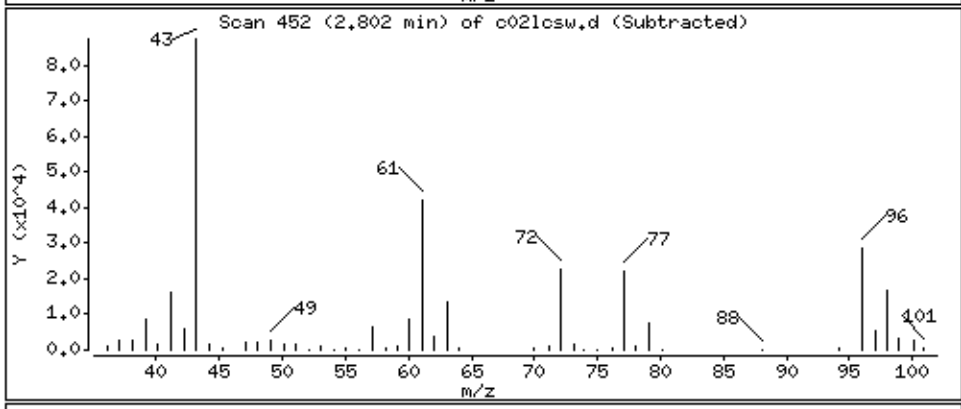
Column diameter: 0.18

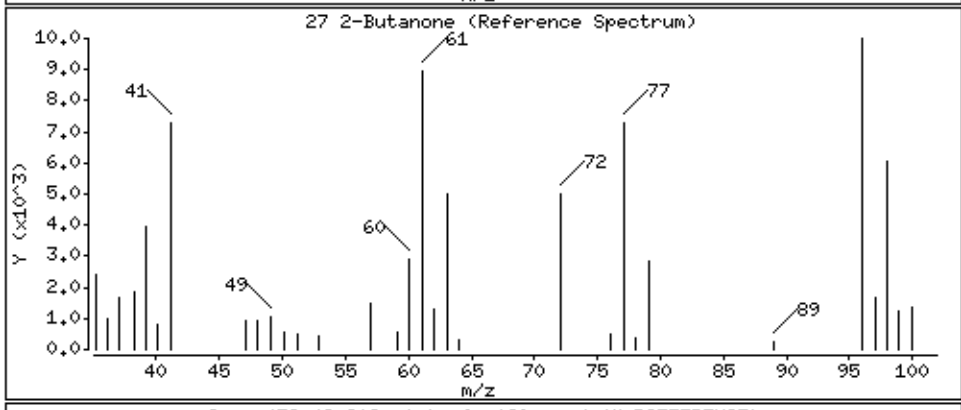
27 2-Butanone

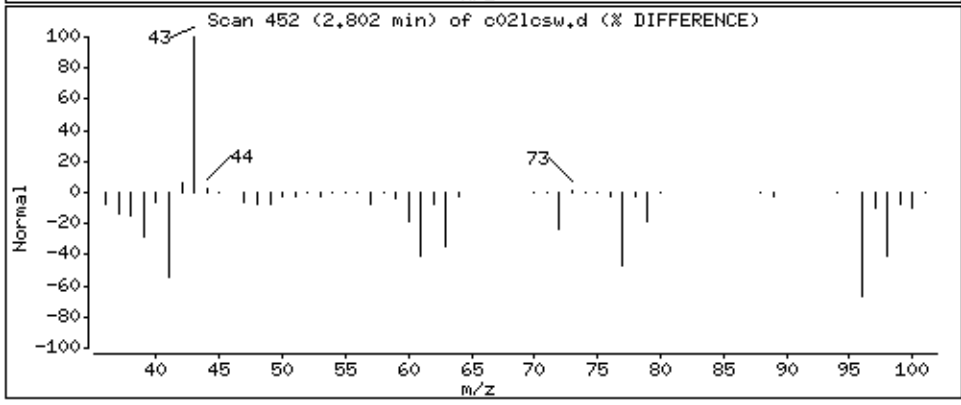
Concentration: 283 ppb

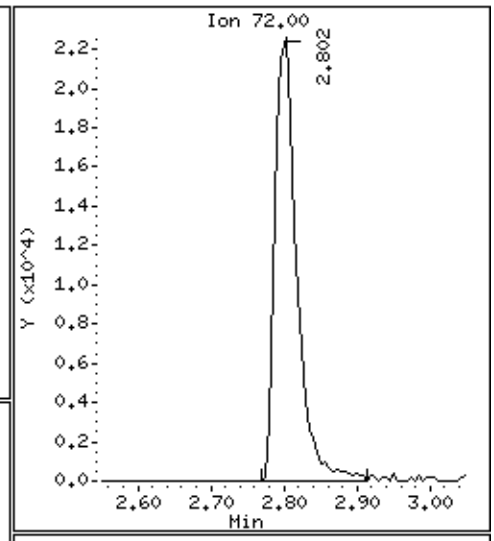
Review Code:

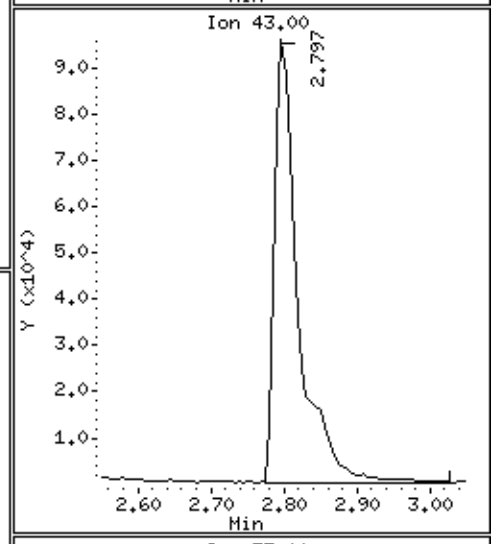


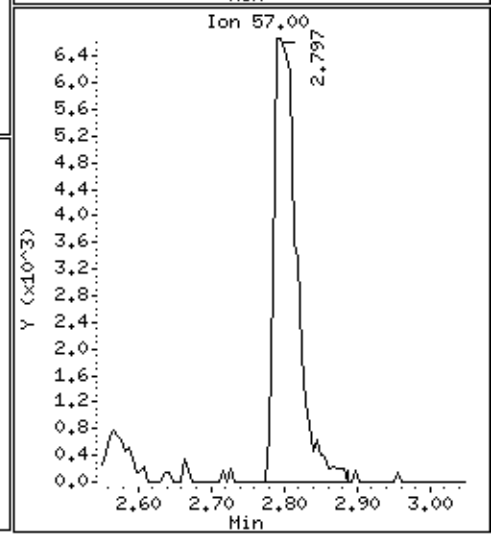












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

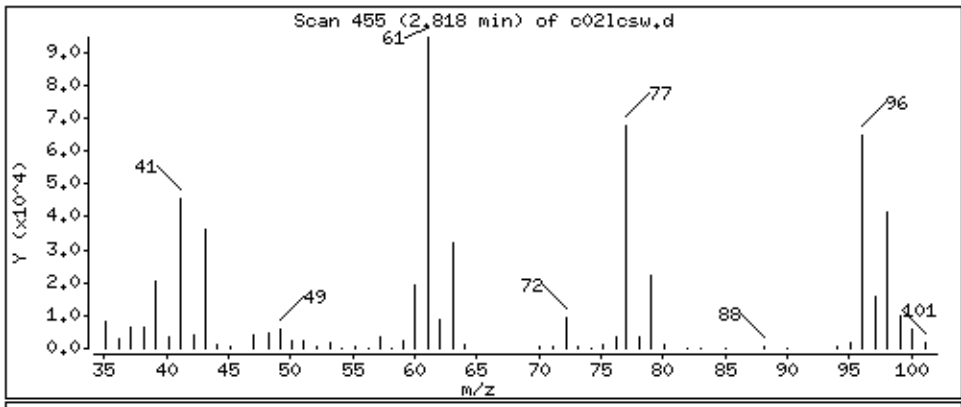
Column phase: DB-624

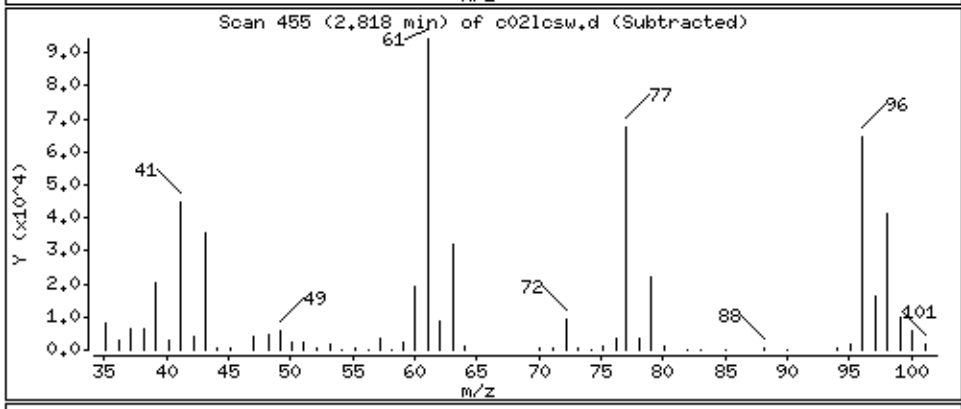
Column diameter: 0.18

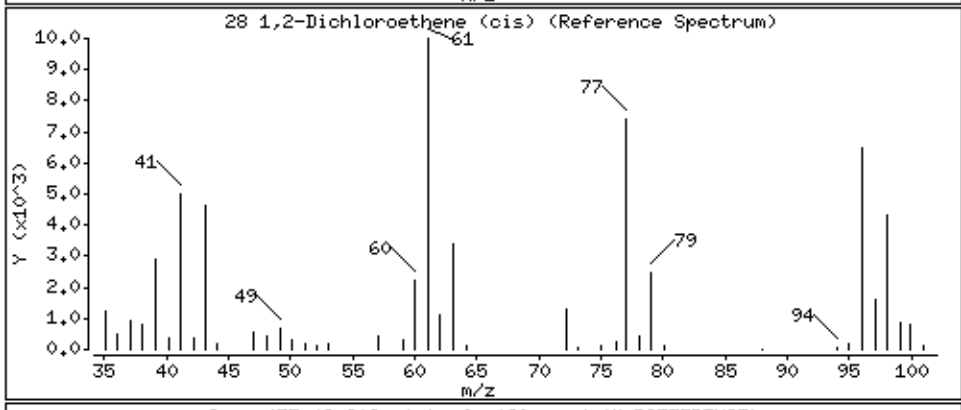
28 1,2-Dichloroethene (cis)

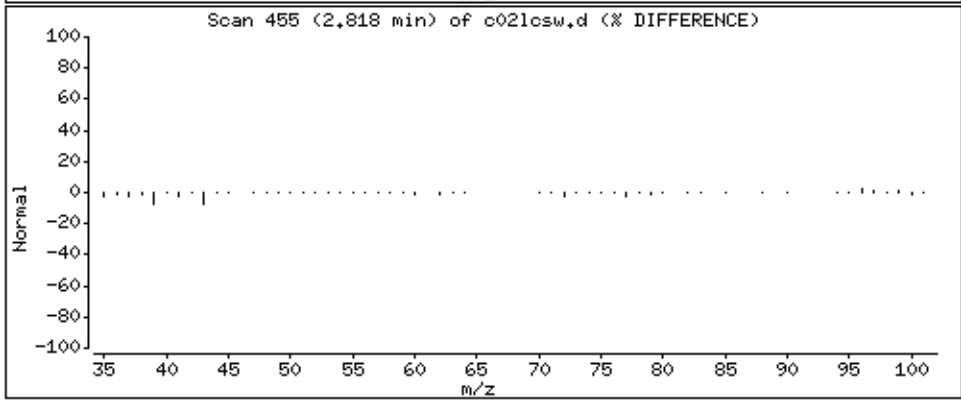
Concentration: 46.0 ppb

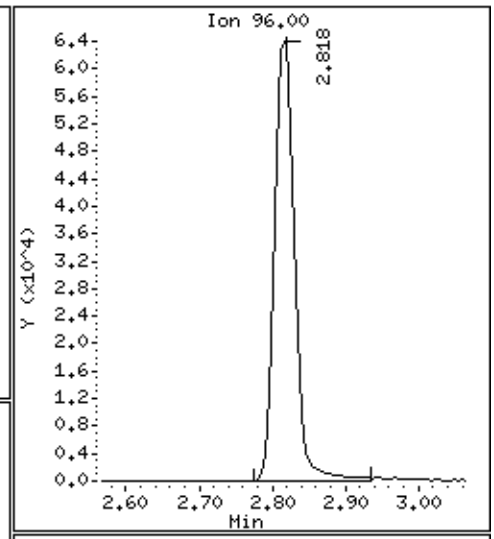
Review Code:

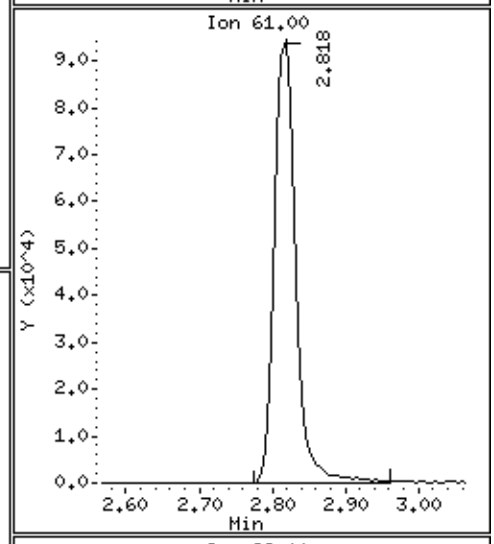


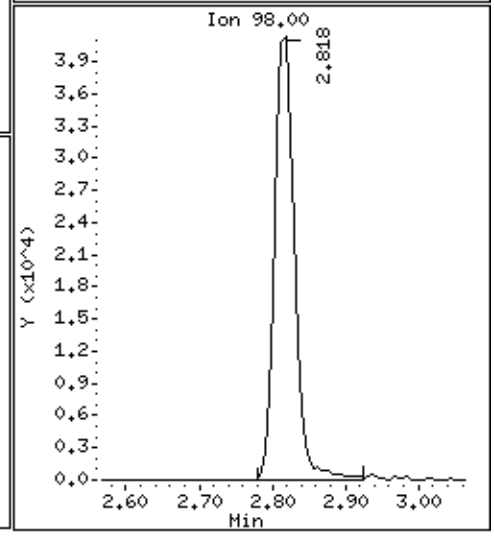












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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

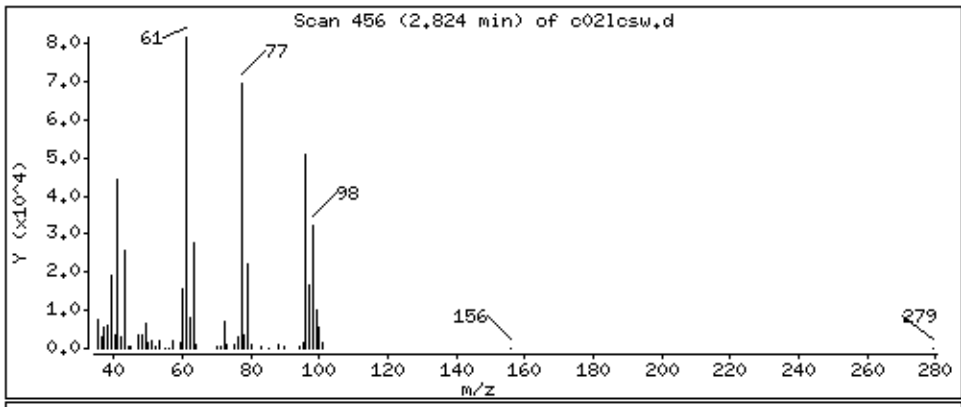
Column phase: DB-624

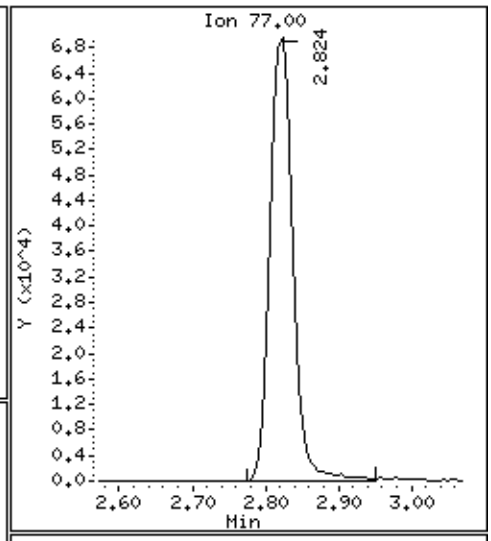
Column diameter: 0.18

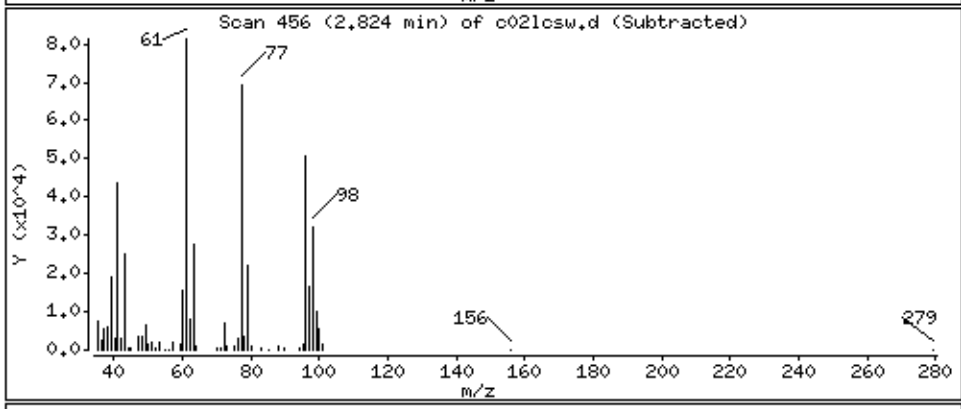
29 2,2-Dichloropropane

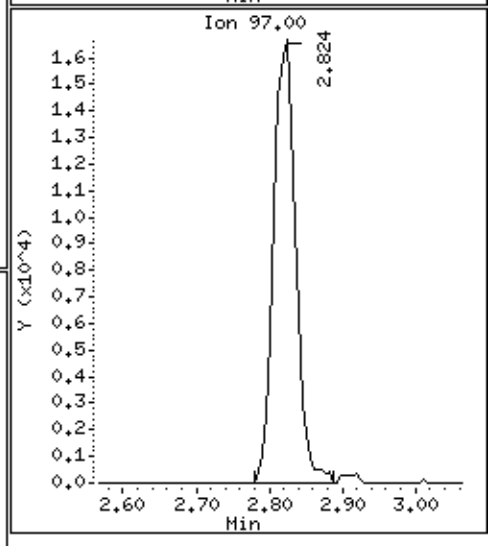
Concentration: 41.4 ppb

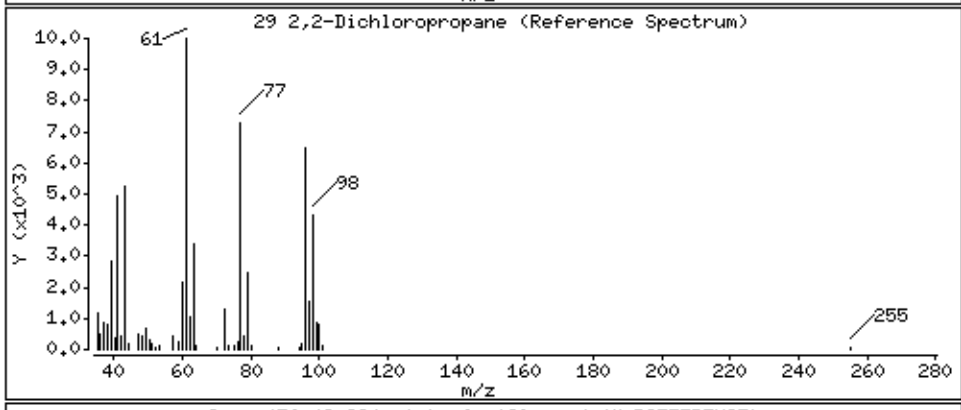
Review Code:

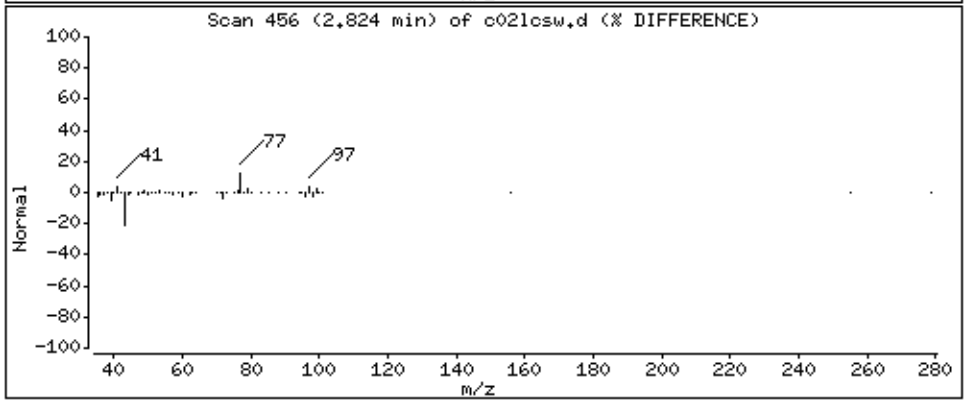












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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

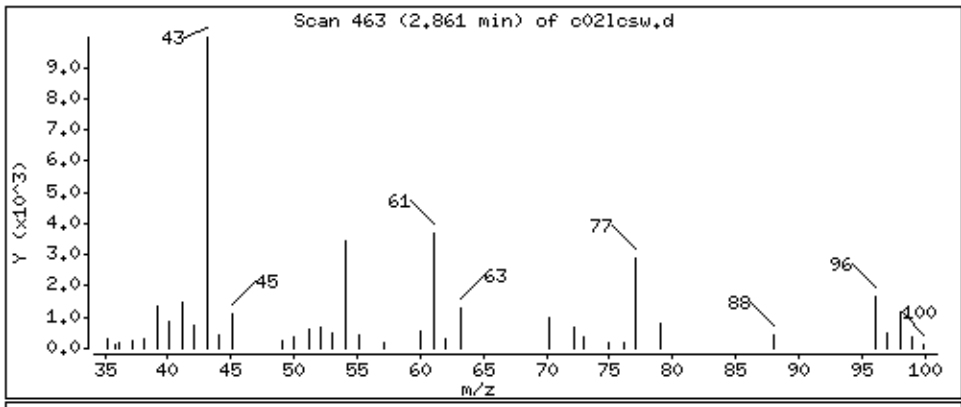
Column phase: DB-624

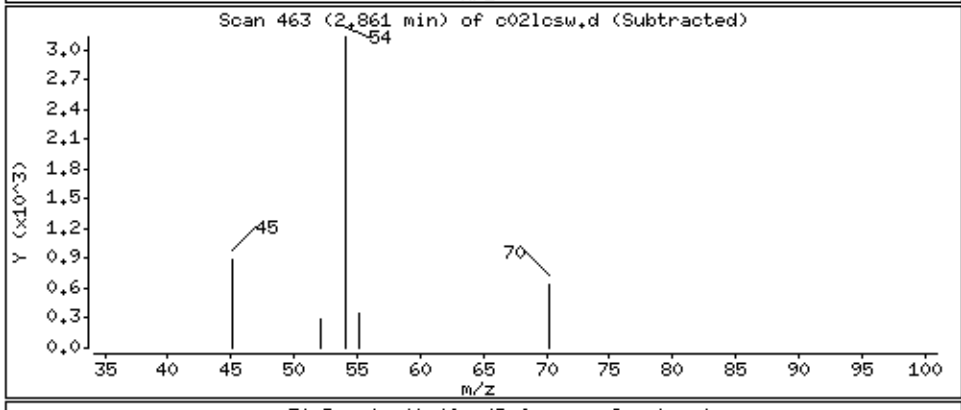
Column diameter: 0.18

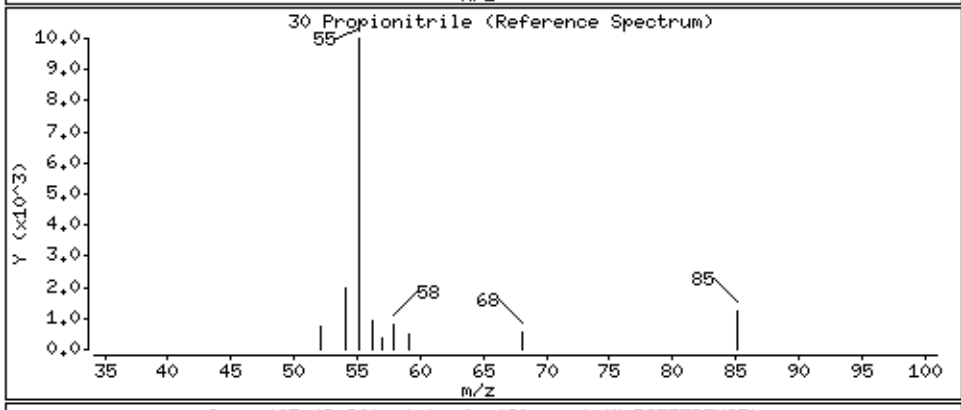
30 Propionitrile

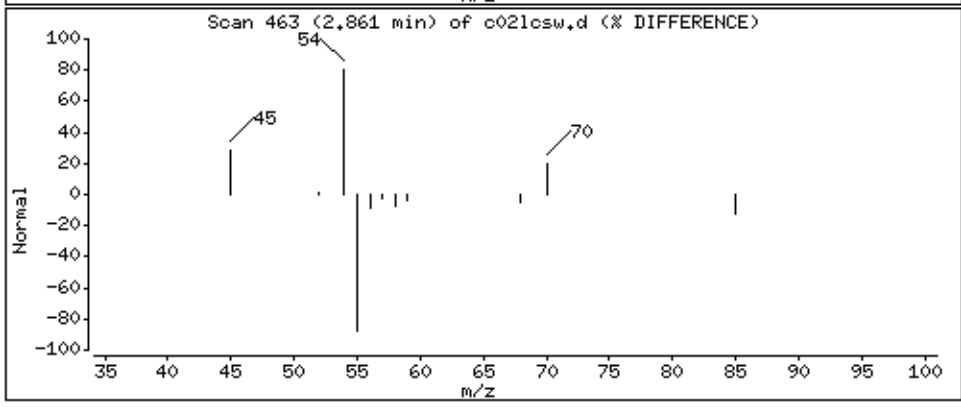
Concentration: 40.7 ppb

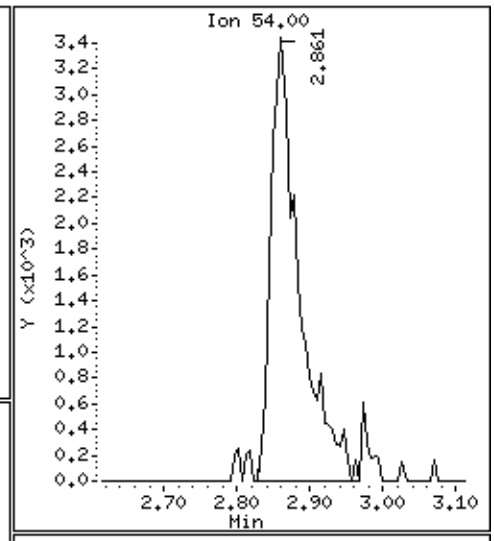
Review Code:

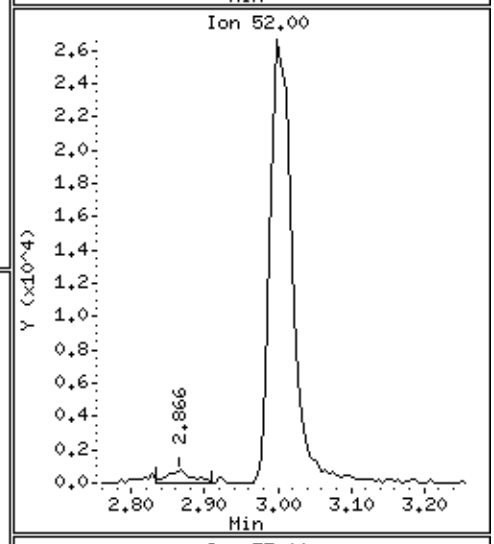


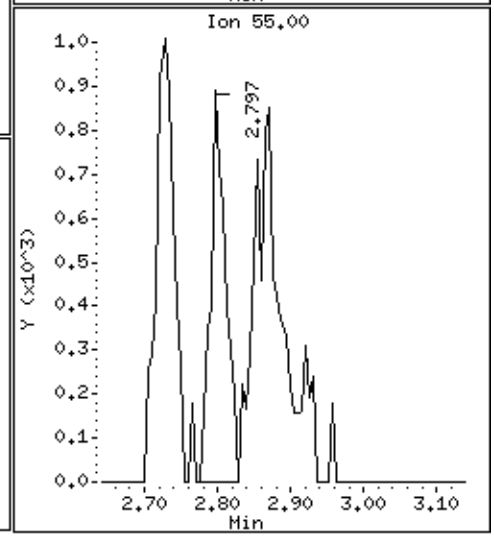












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

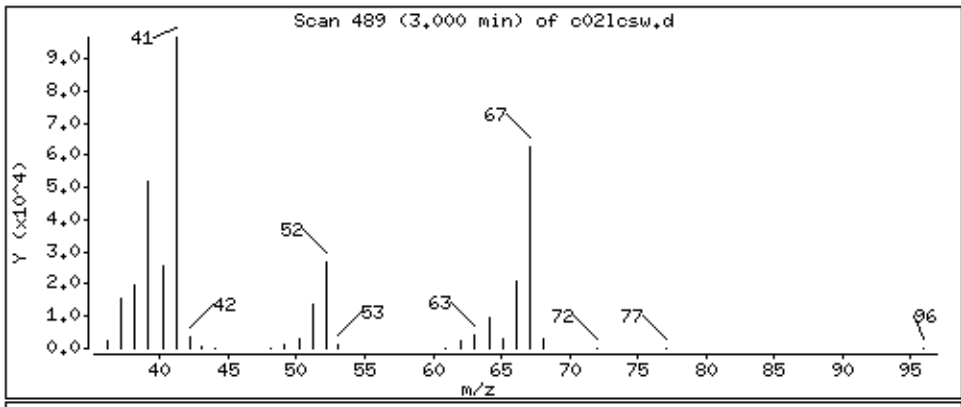
Column phase: DB-624

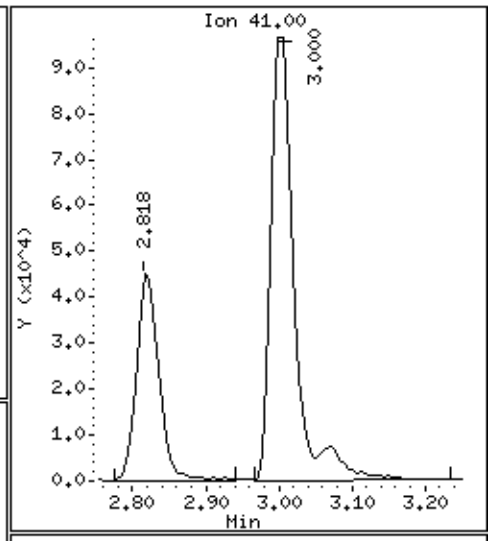
Column diameter: 0.18

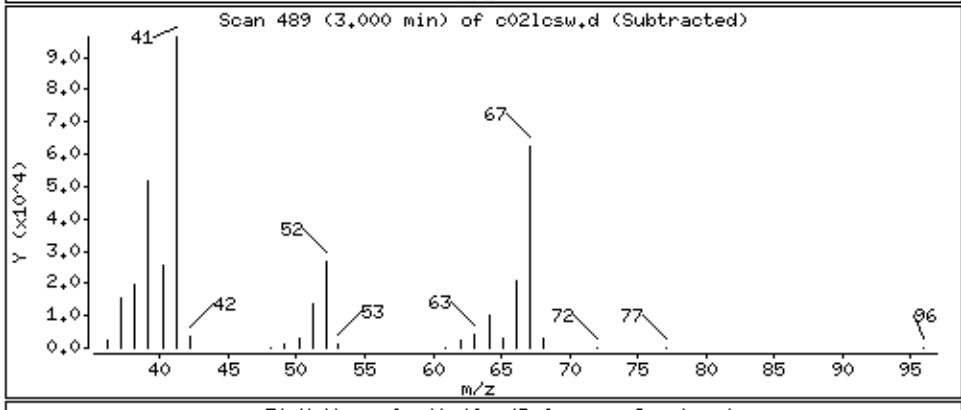
31 Methacrylonitrile

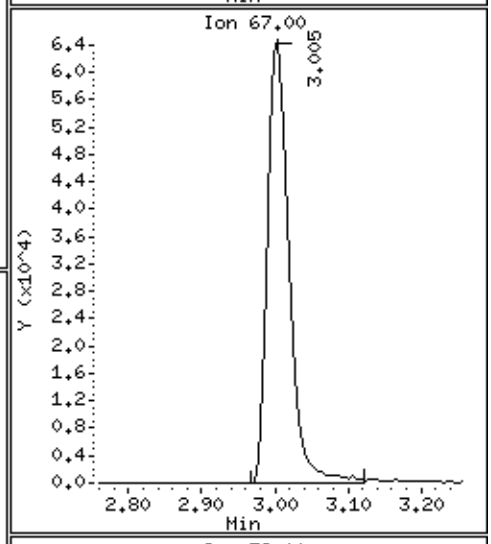
Concentration: 198 ppb

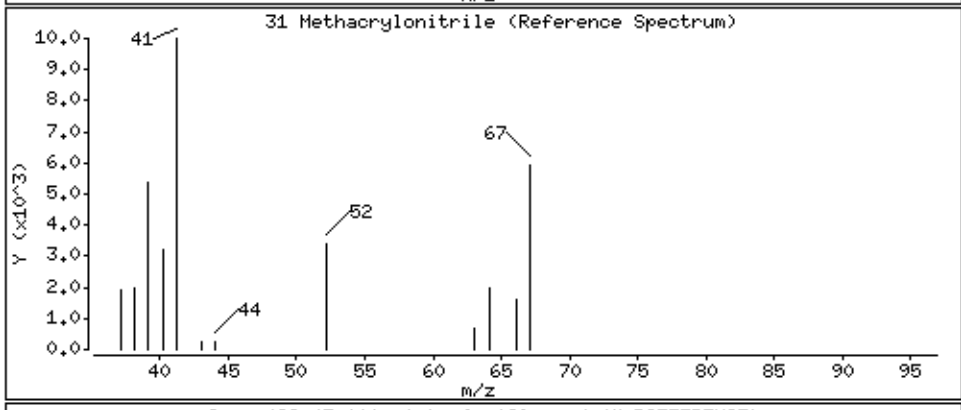
Review Code:

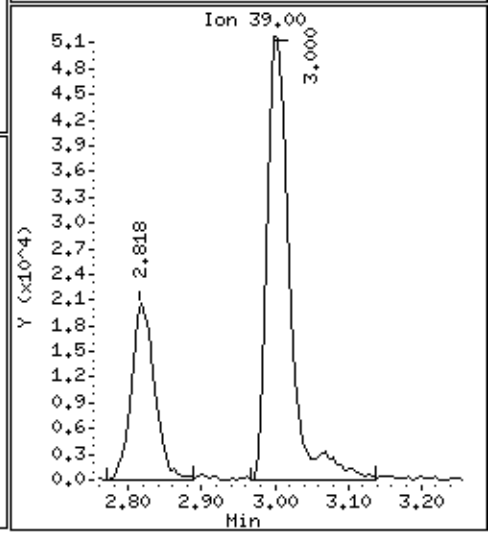


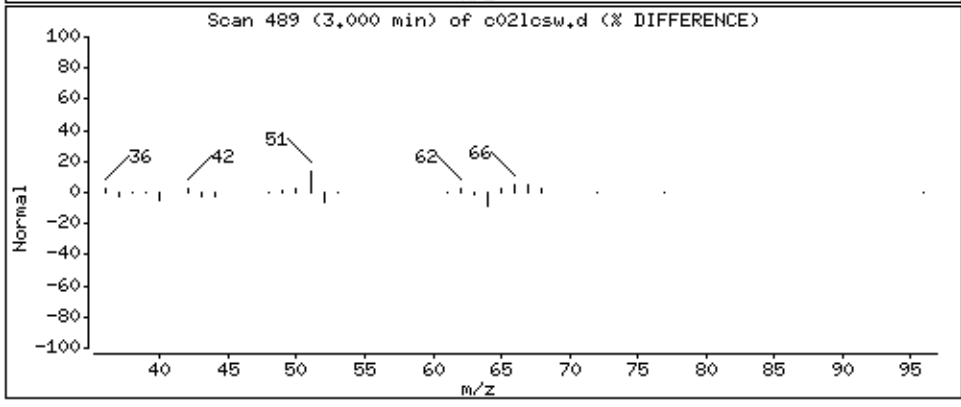












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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

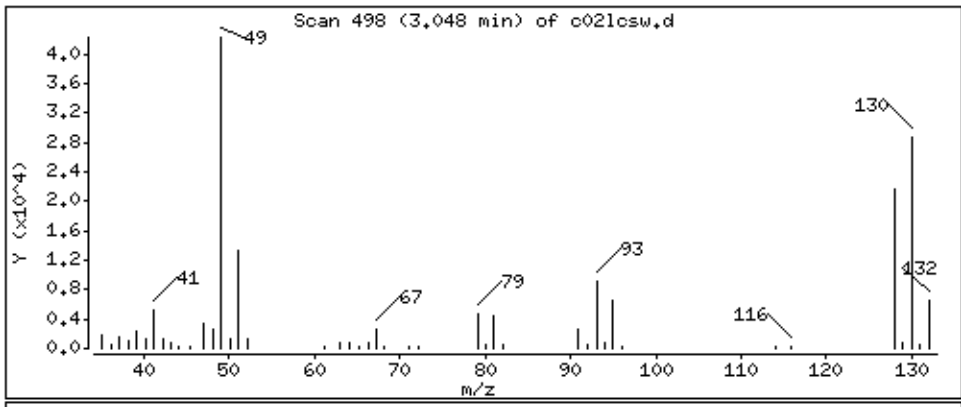
Column phase: DB-624

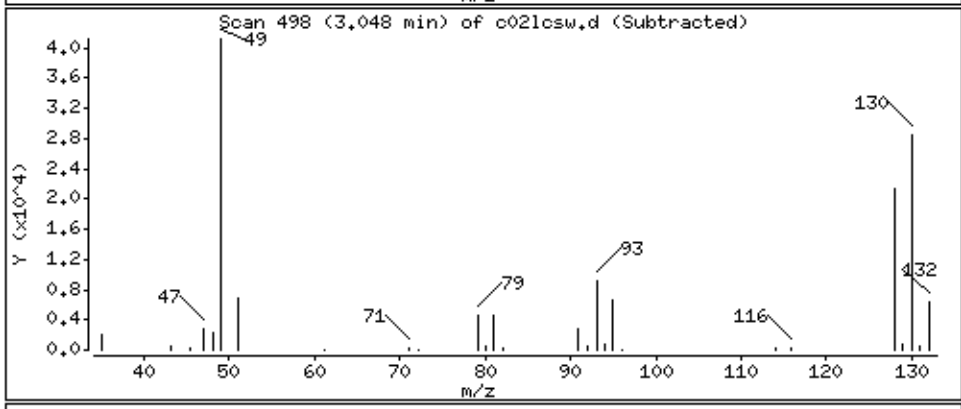
Column diameter: 0.18

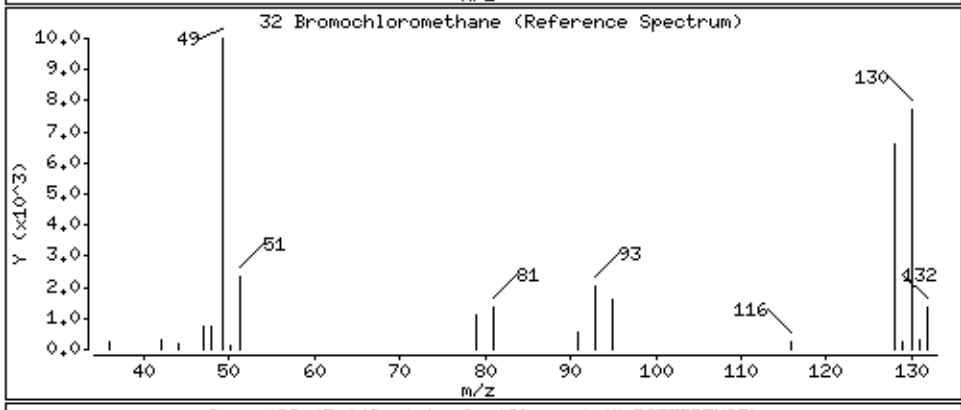
32 Bromochloromethane

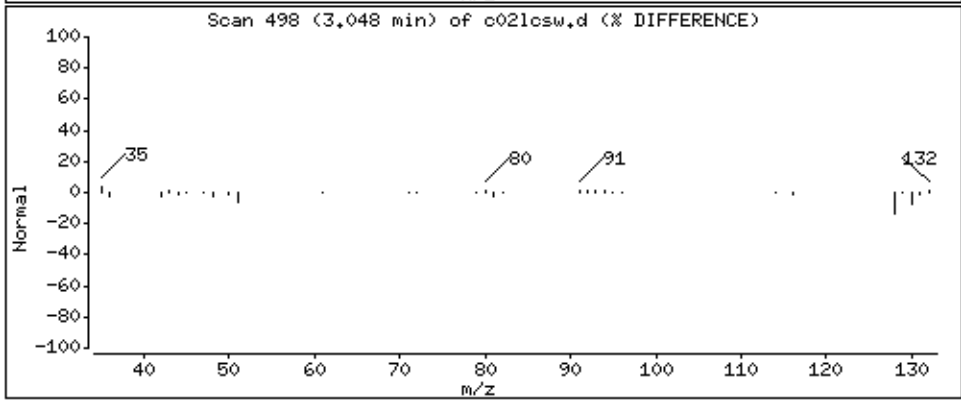
Concentration: 44.9 ppb

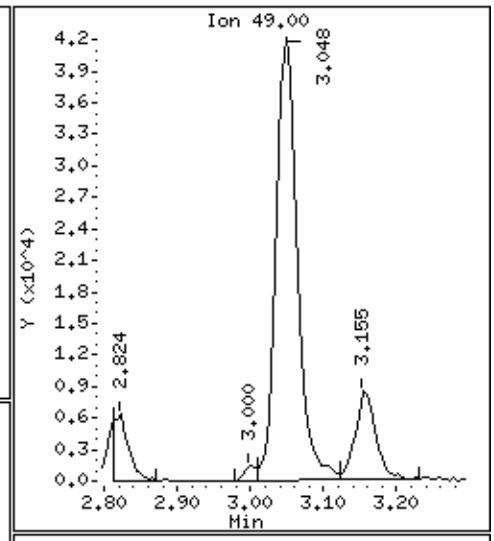
Review Code:

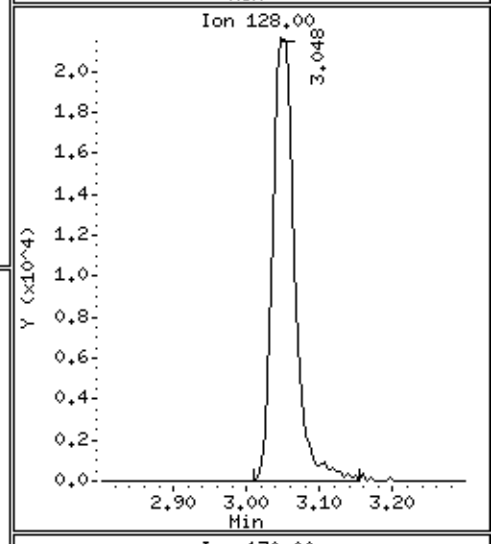


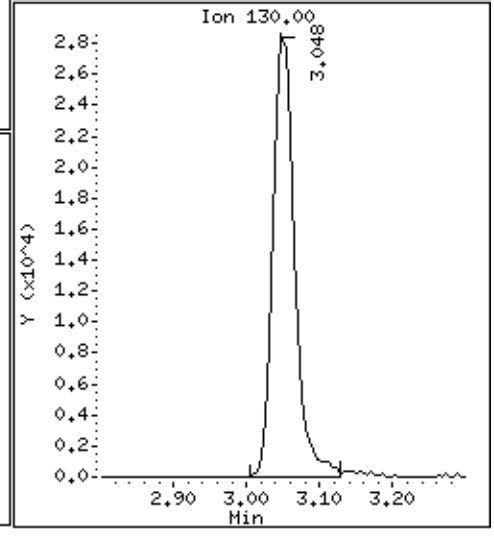












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

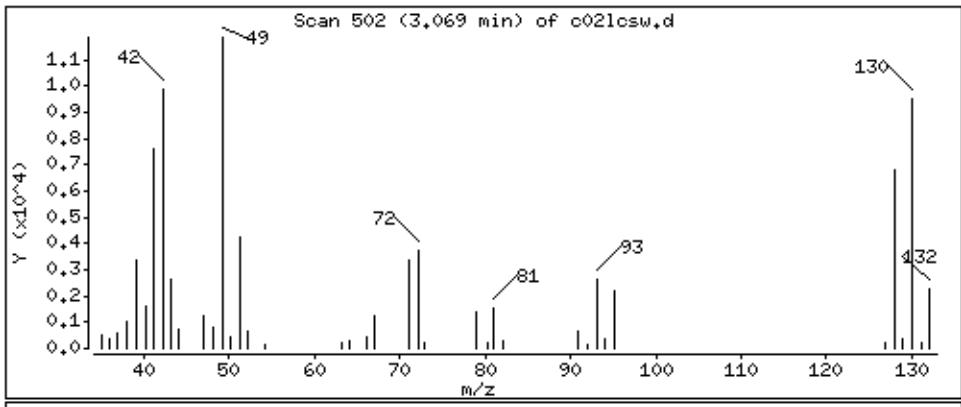
Column phase: DB-624

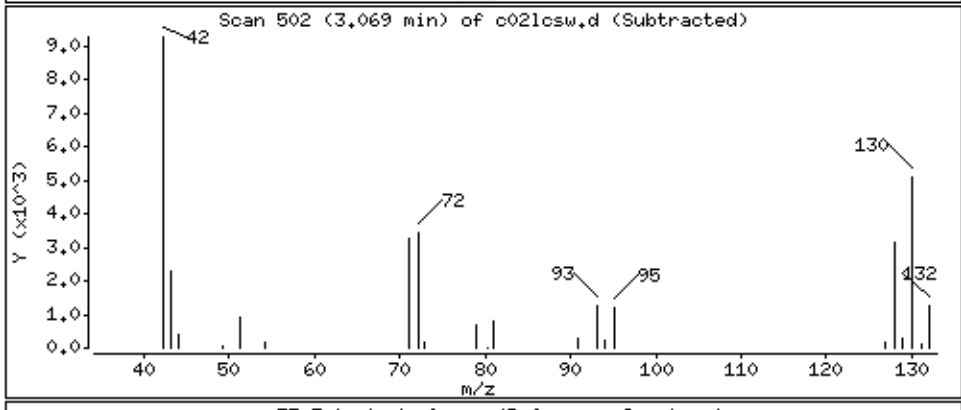
Column diameter: 0.18

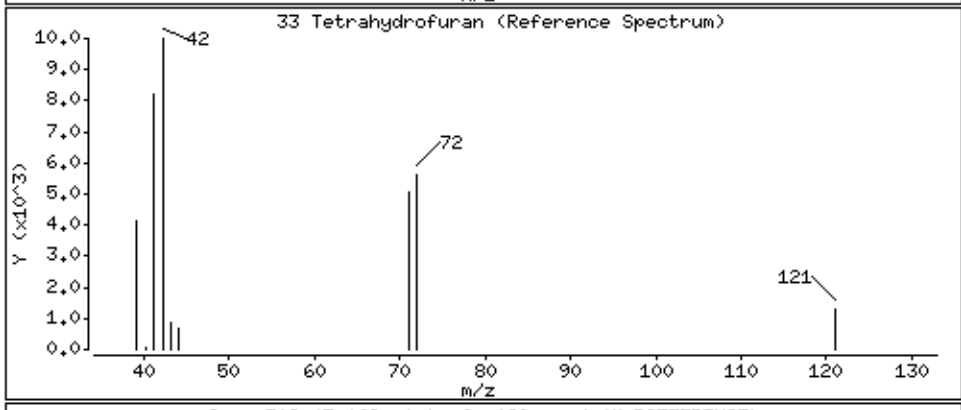
33 Tetrahydrofuran

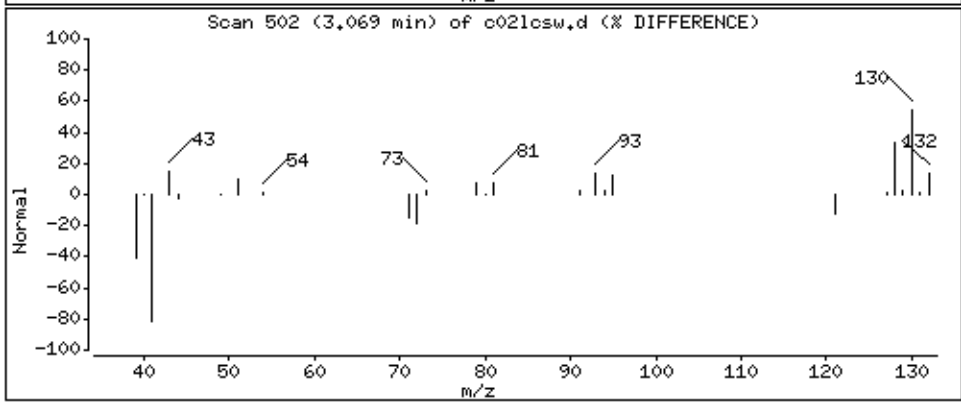
Concentration: 45.4 ppb

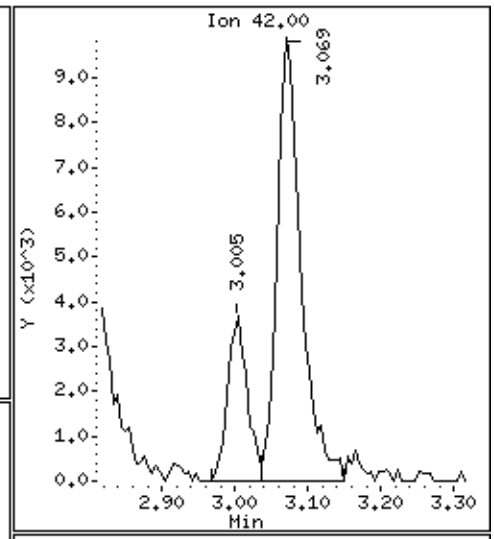
Review Code:

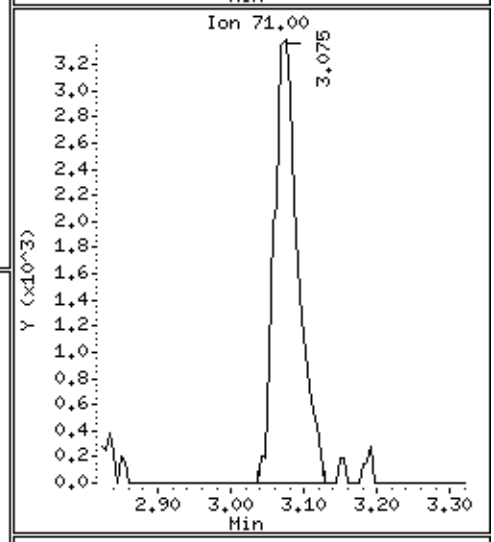


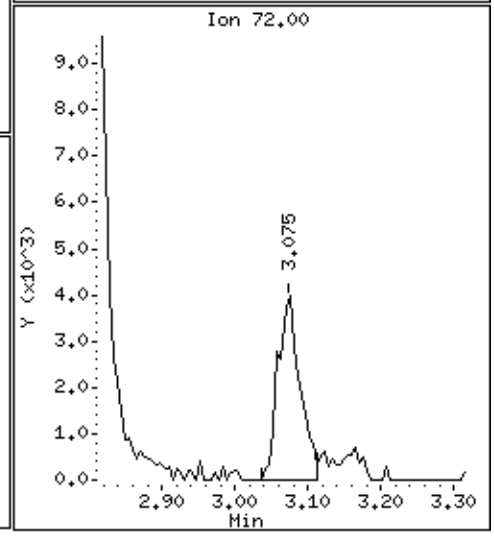












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

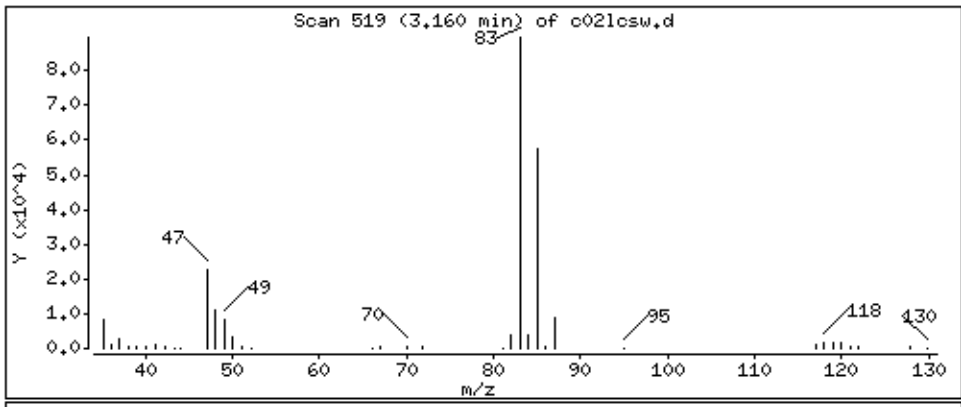
Column phase: DB-624

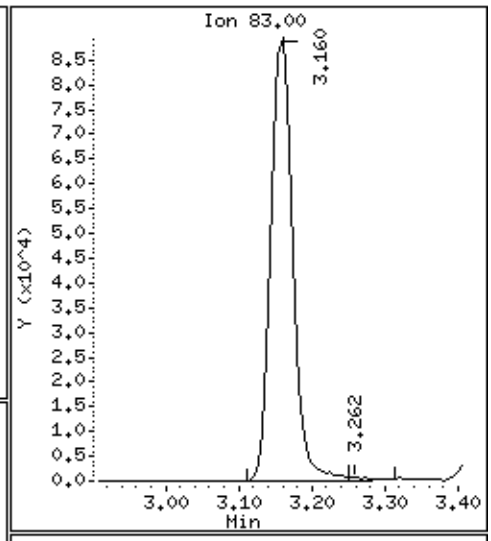
Column diameter: 0.18

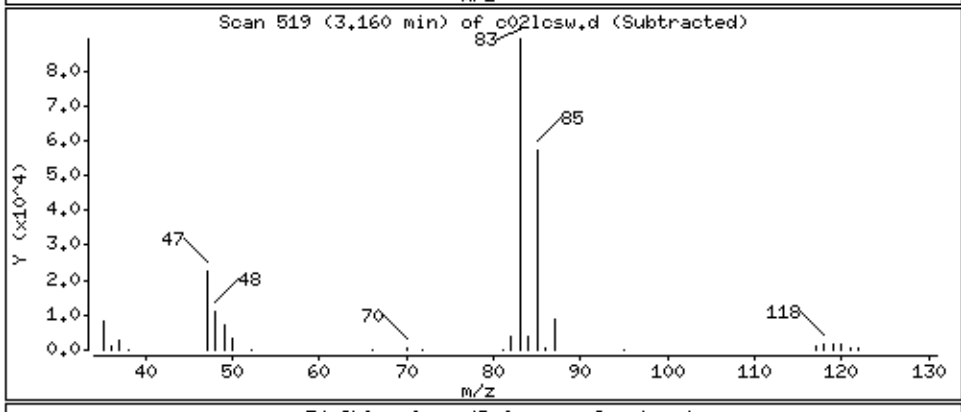
34 Chloroform

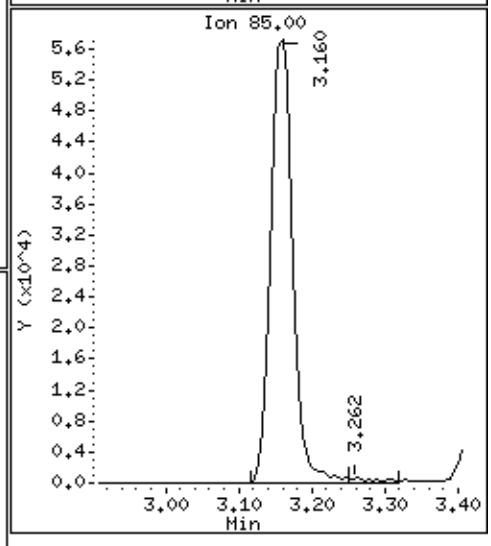
Concentration: 43.8 ppb

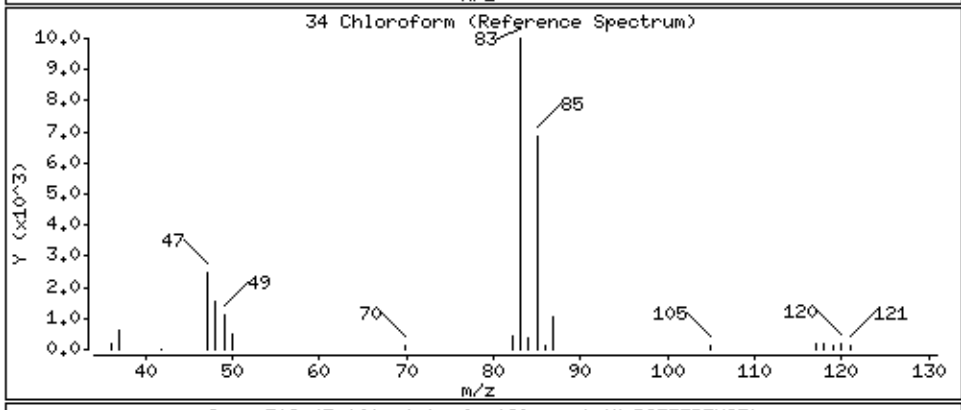
Review Code:

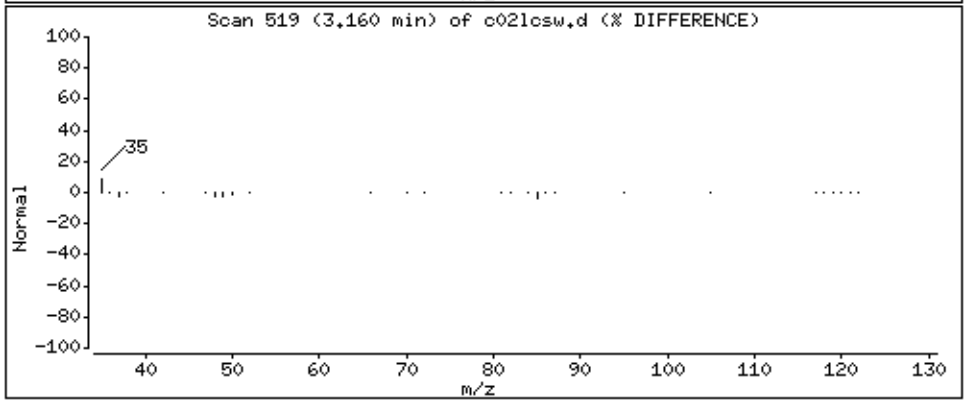












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

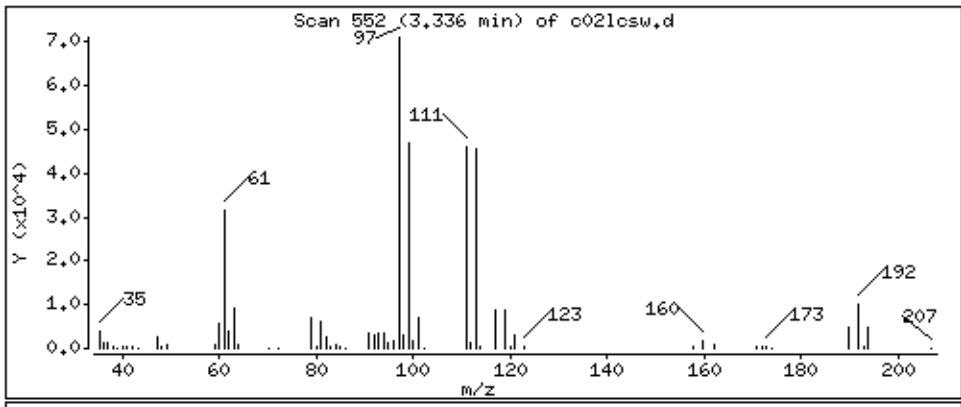
Column phase: DB-624

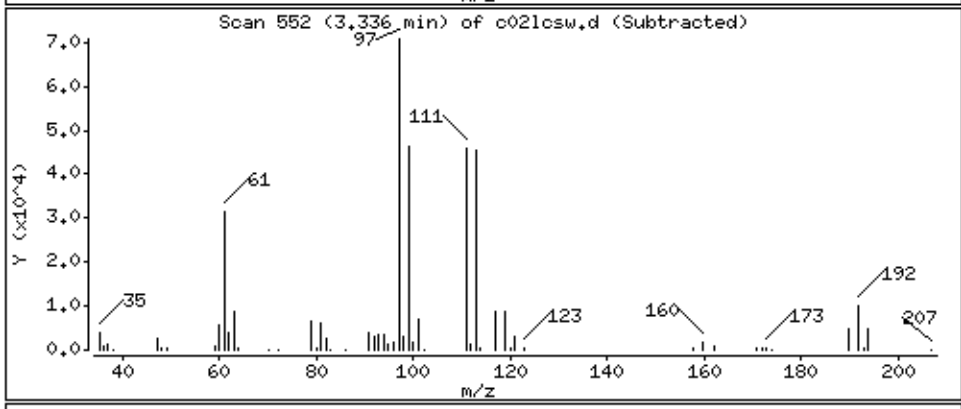
Column diameter: 0.18

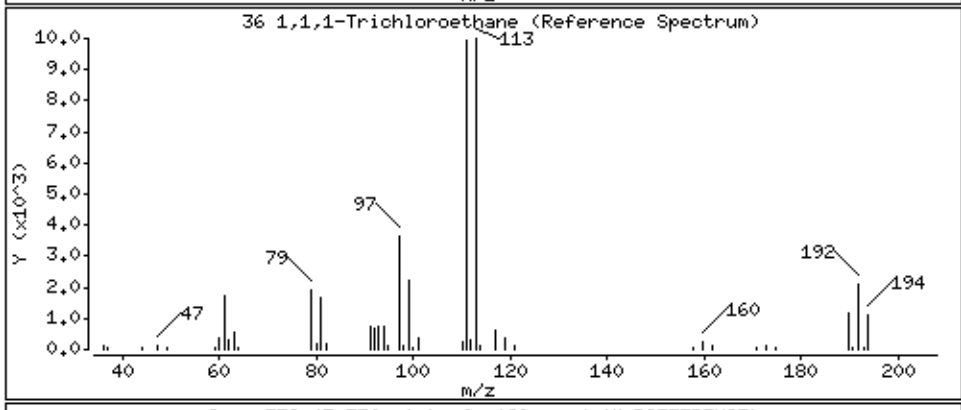
36 1,1,1-Trichloroethane

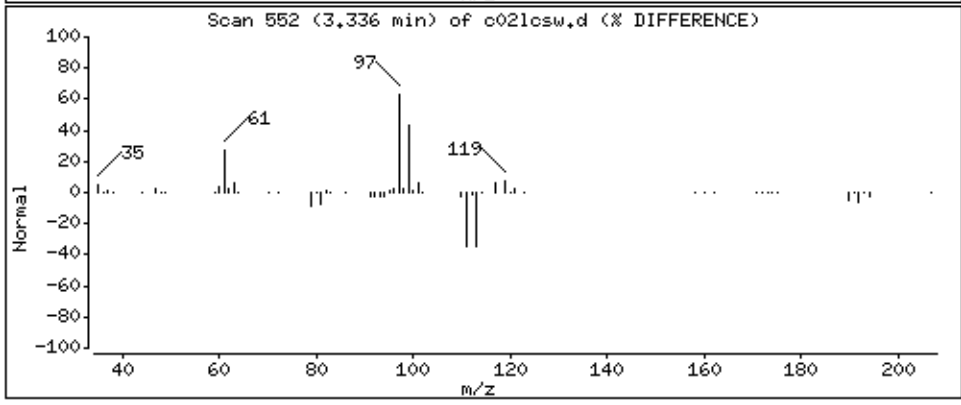
Concentration: 42.1 ppb

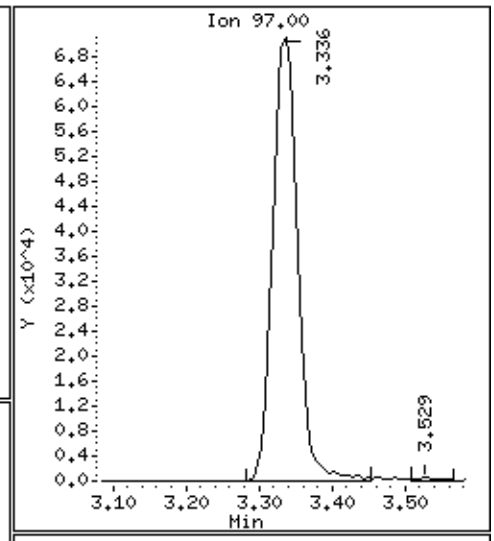
Review Code:

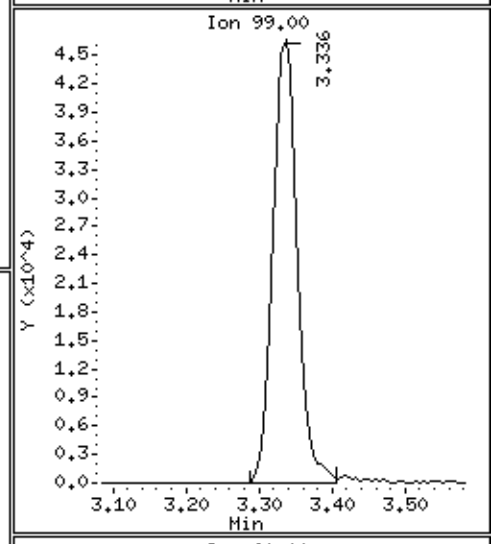


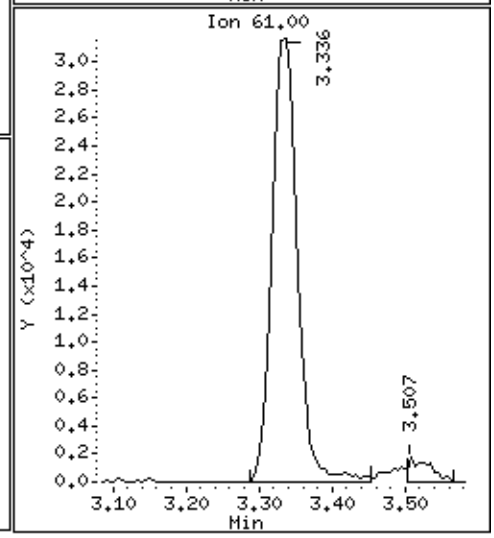












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

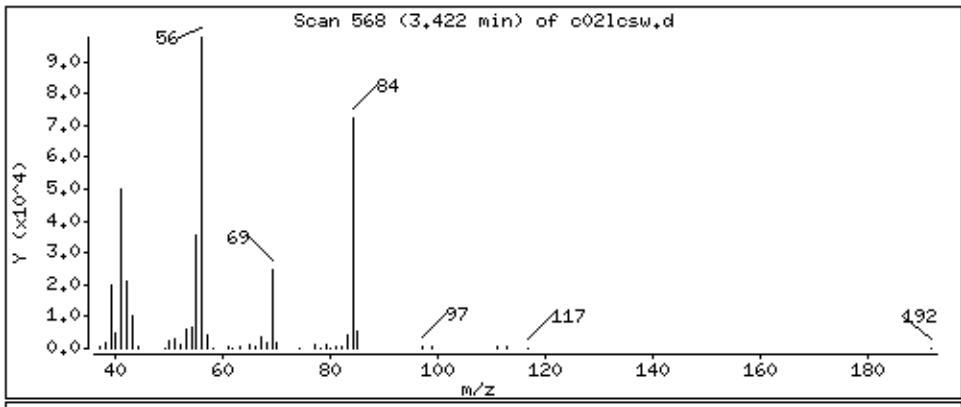
Column phase: DB-624

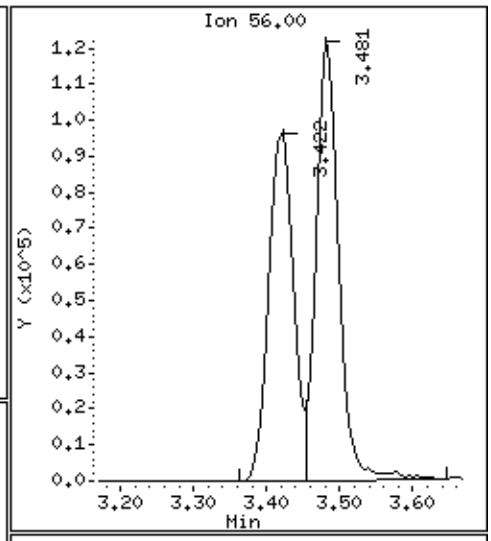
Column diameter: 0.18

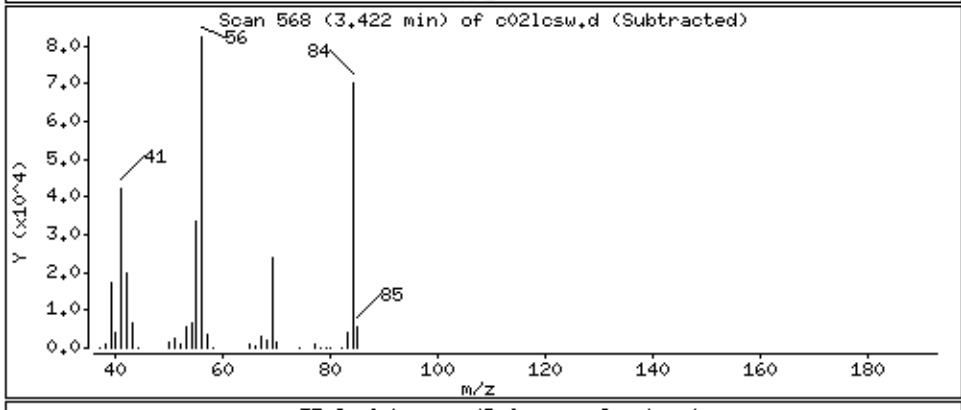
37 Cyclohexane

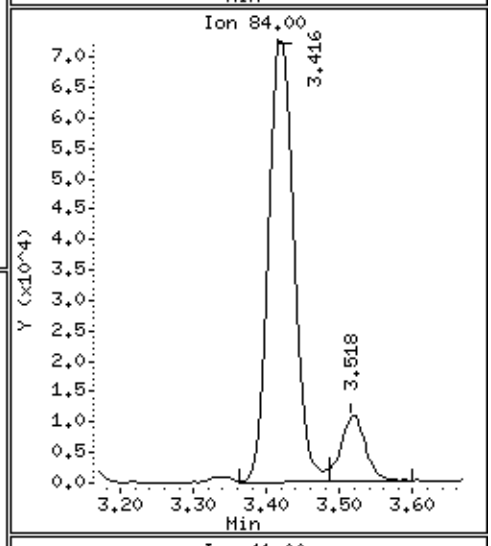
Concentration: 47.6 ppb

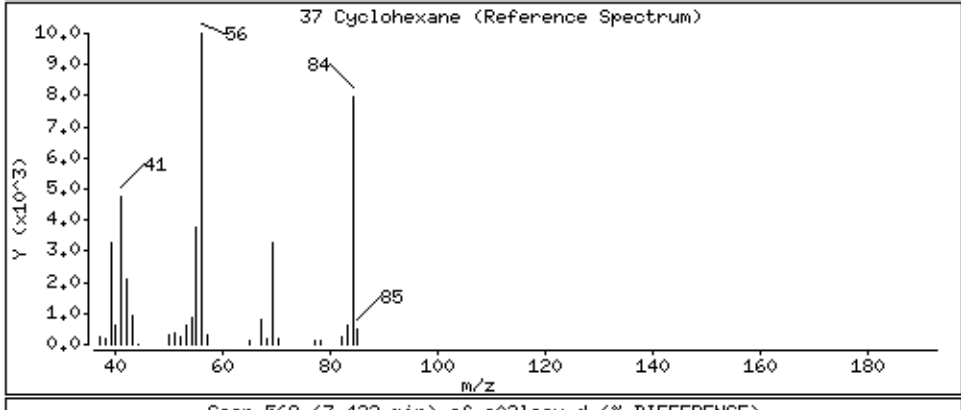
Review Code:

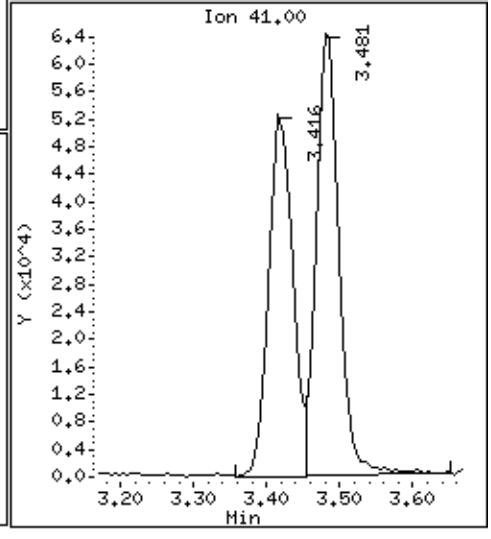


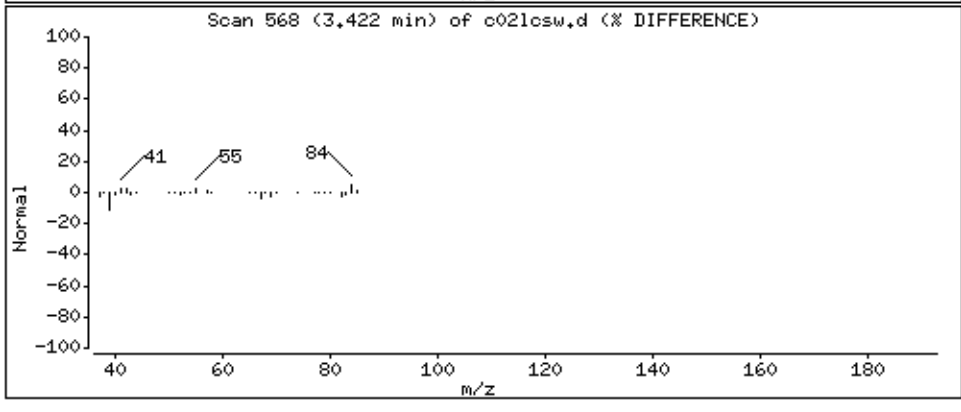












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

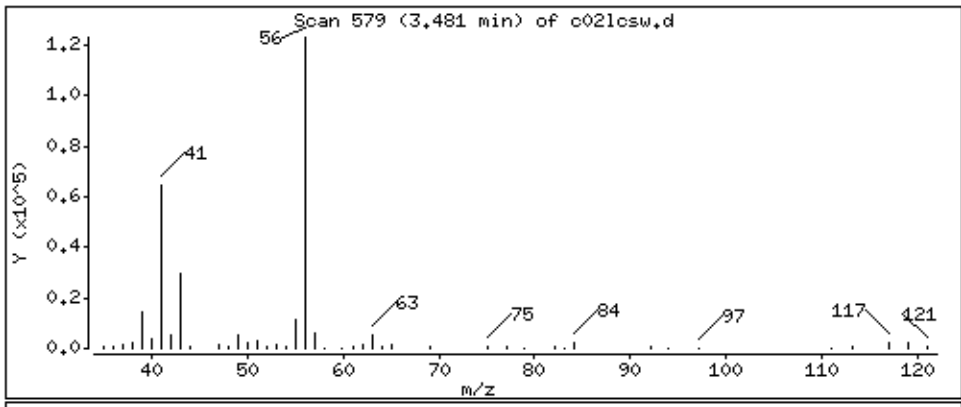
Column phase: DB-624

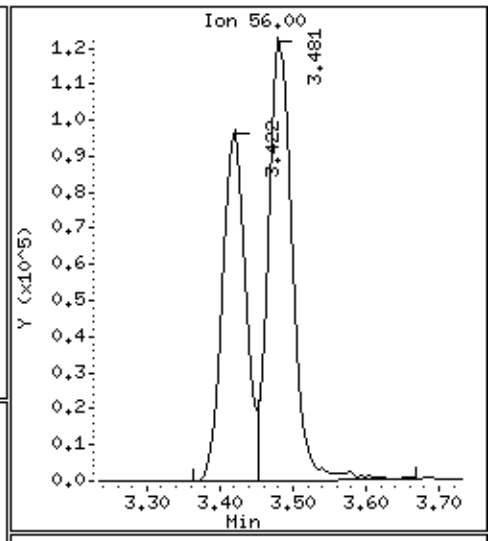
Column diameter: 0.18

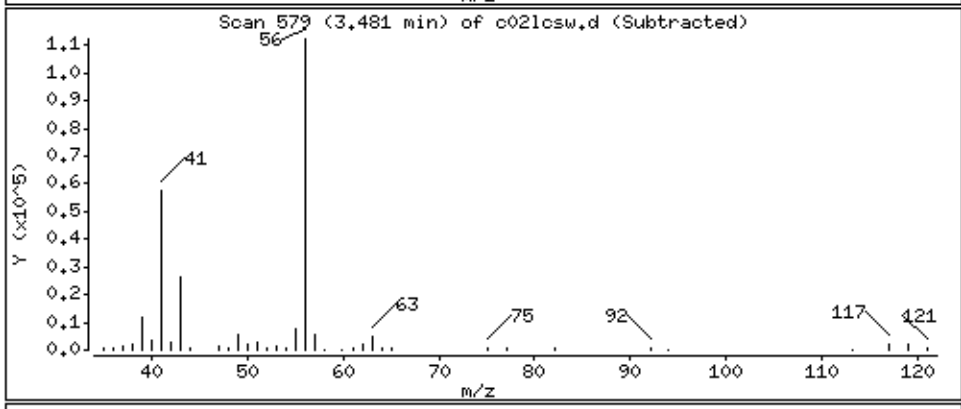
38 n-Butyl chloride

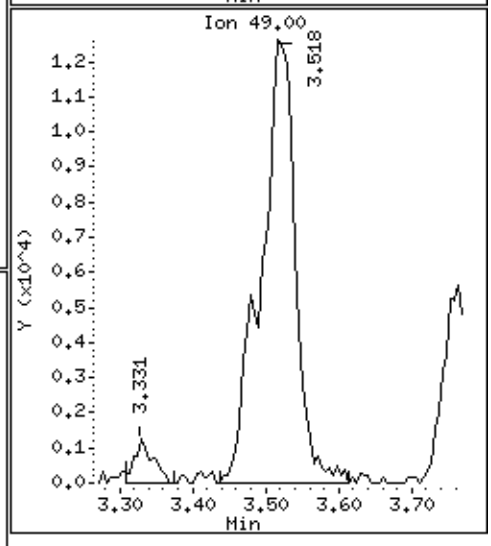
Concentration: 46.5 ppb

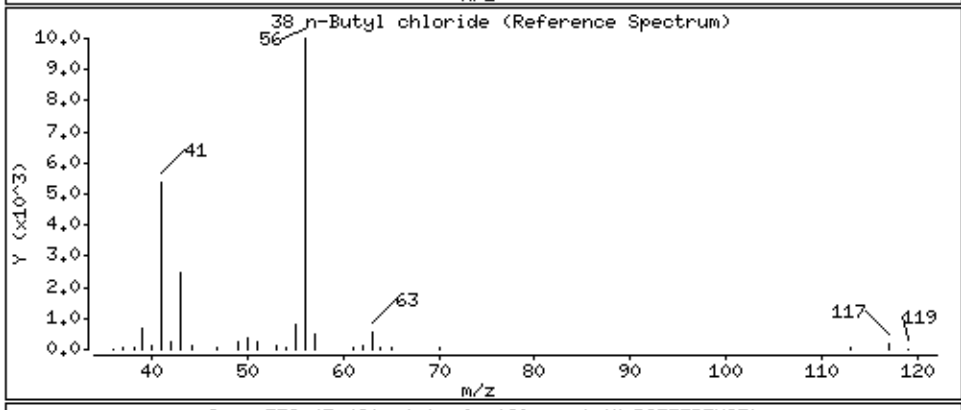
Review Code:

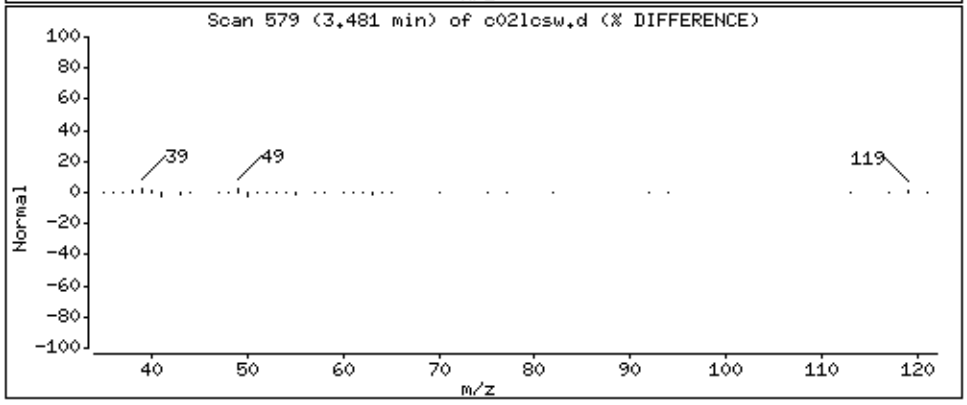












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

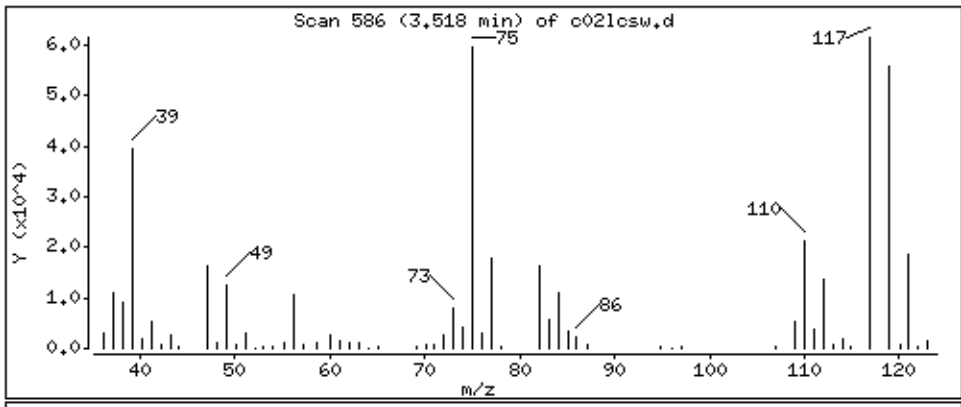
Column phase: DB-624

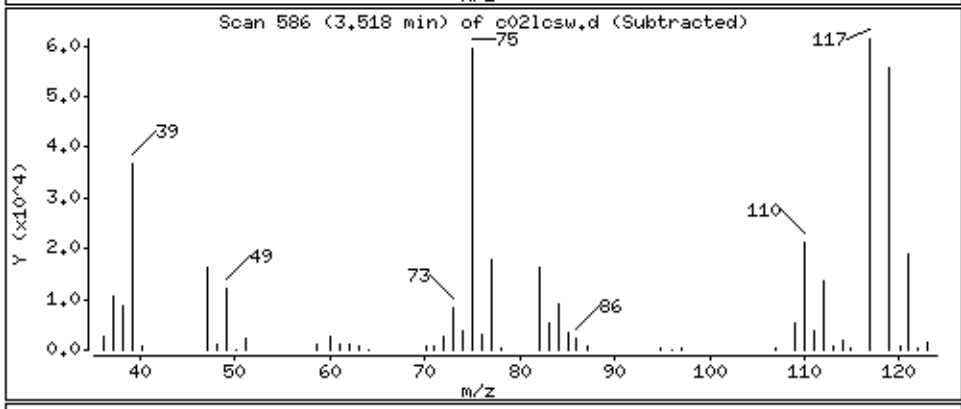
Column diameter: 0.18

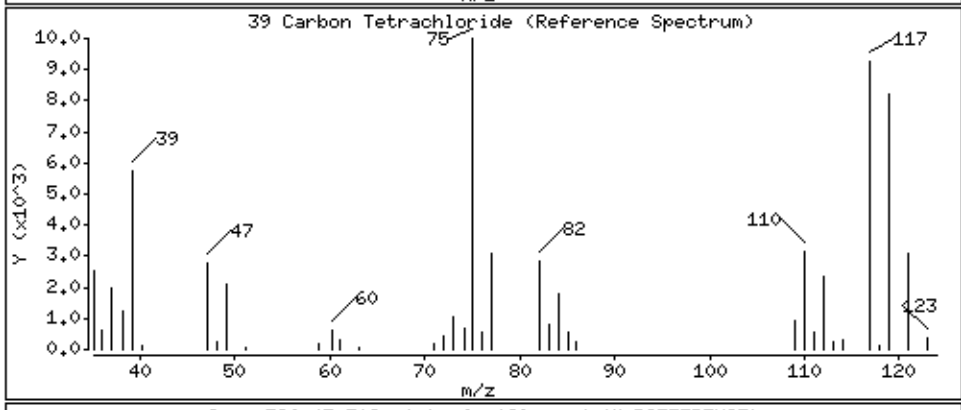
39 Carbon Tetrachloride

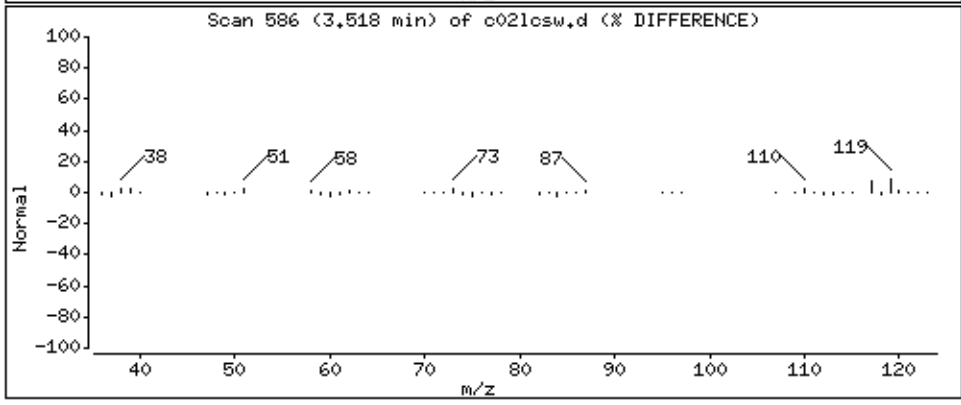
Concentration: 45.2 ppb

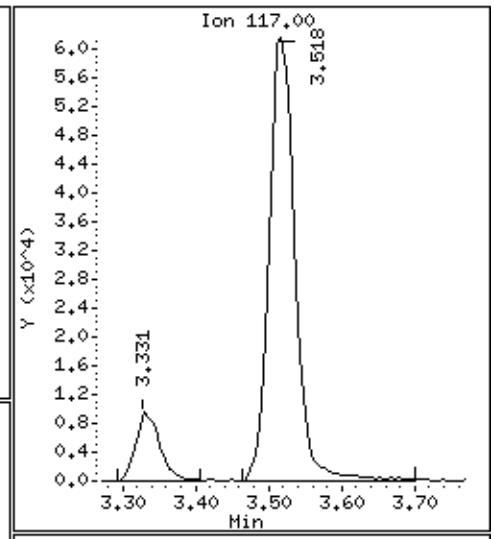
Review Code:

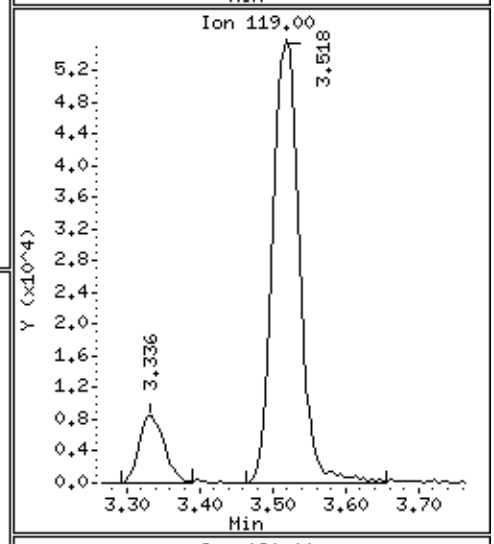


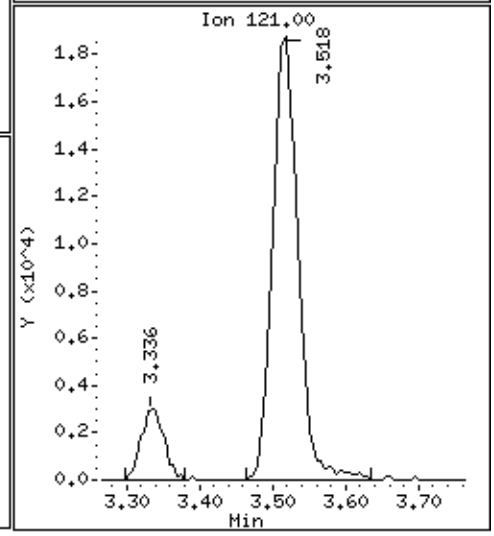












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

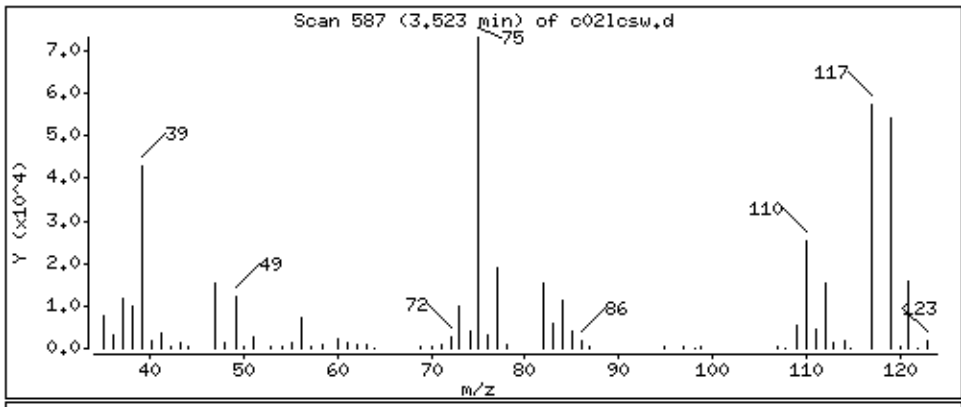
Column phase: DB-624

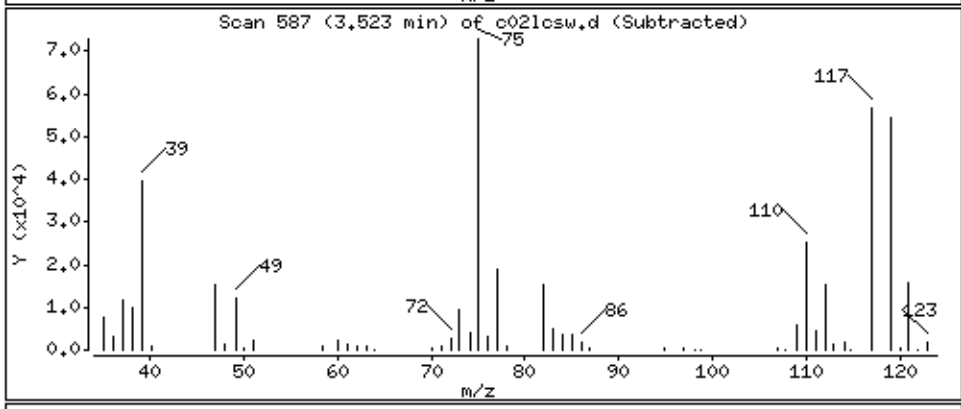
Column diameter: 0.18

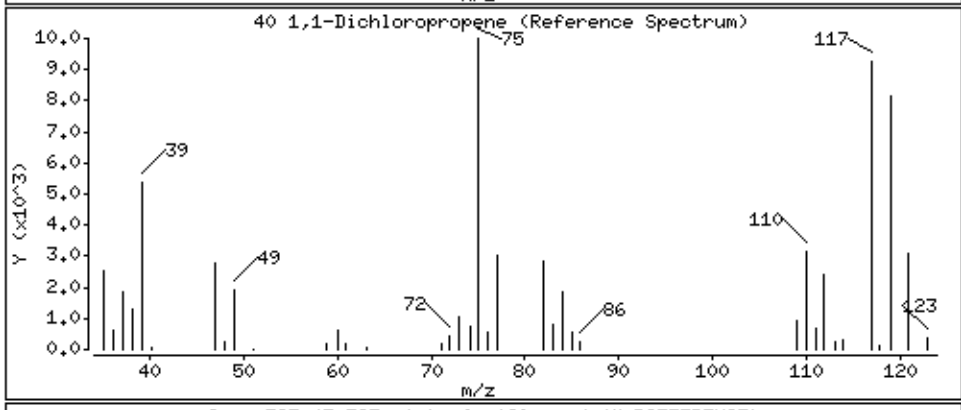
40 1,1-Dichloropropene

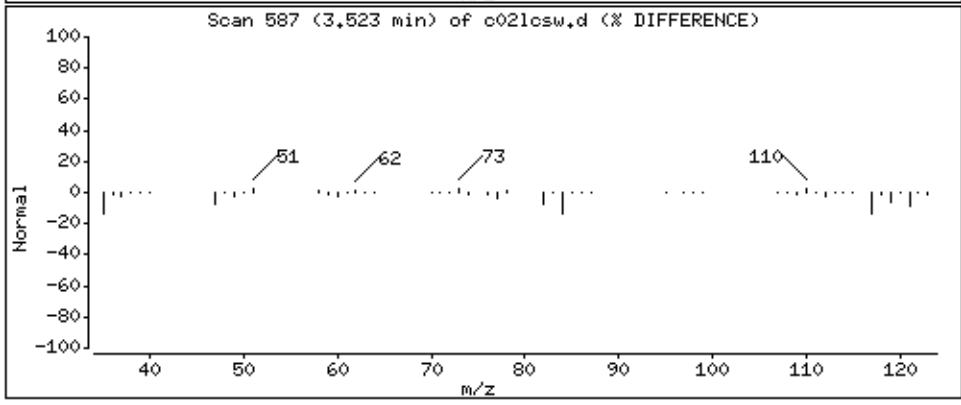
Concentration: 45.3 ppb

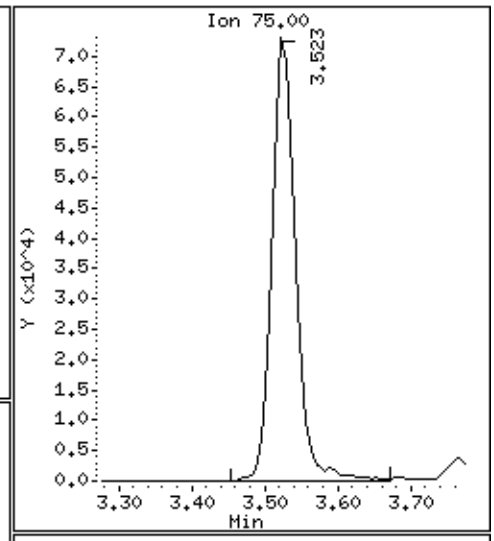
Review Code:

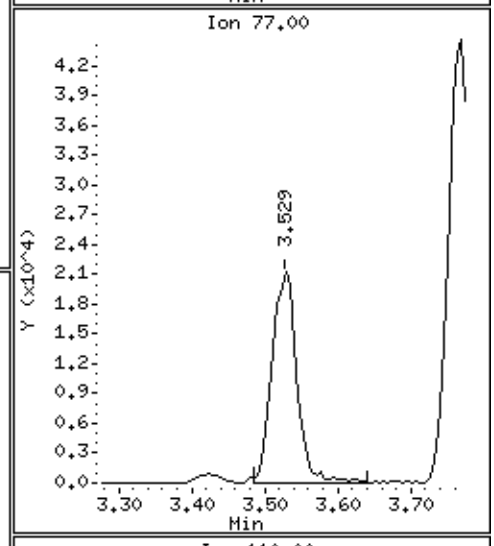


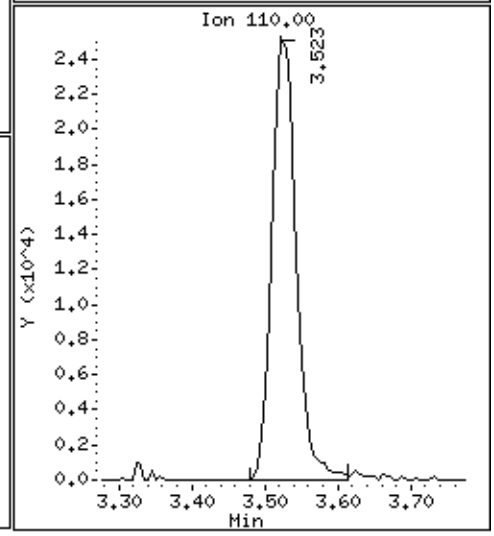












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

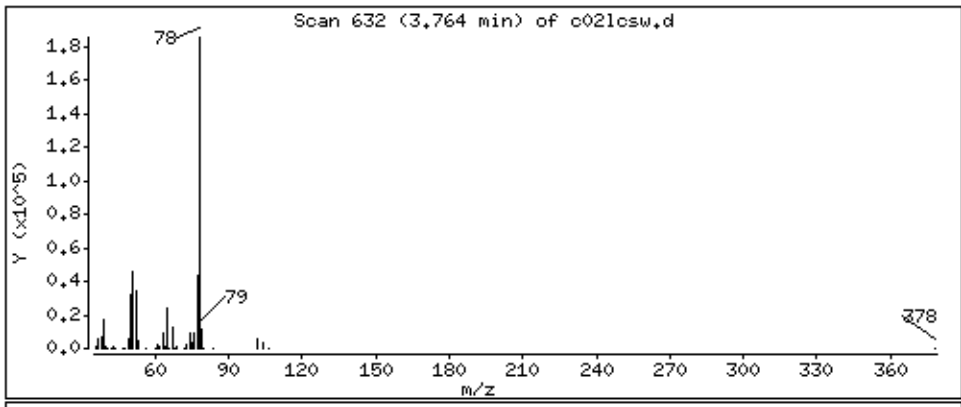
Column phase: DB-624

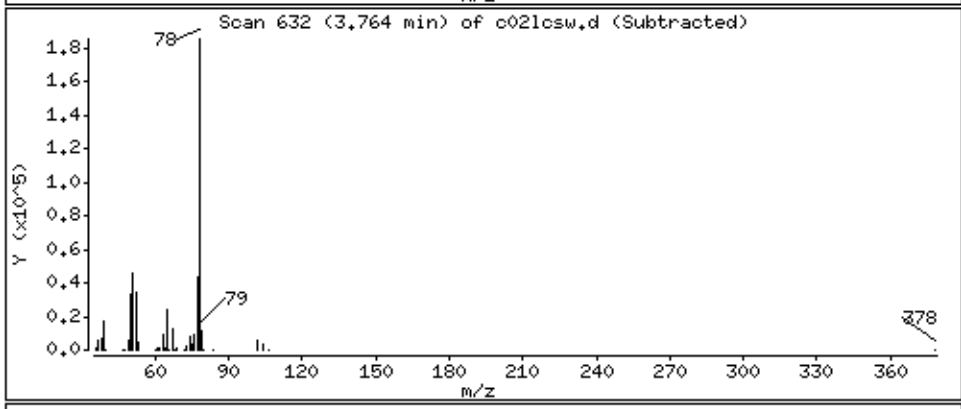
Column diameter: 0.18

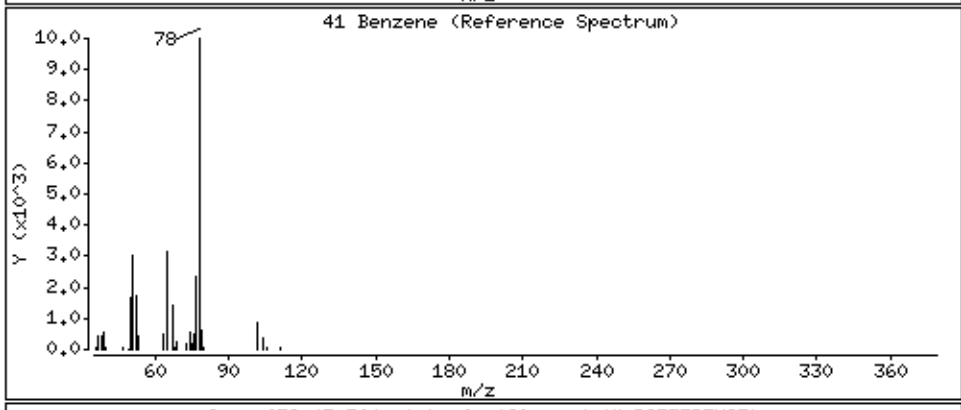
41 Benzene

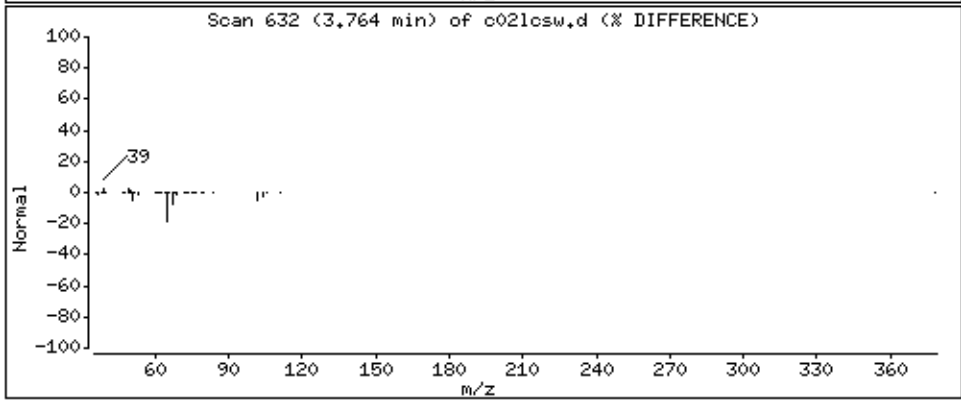
Concentration: 46.0 ppb

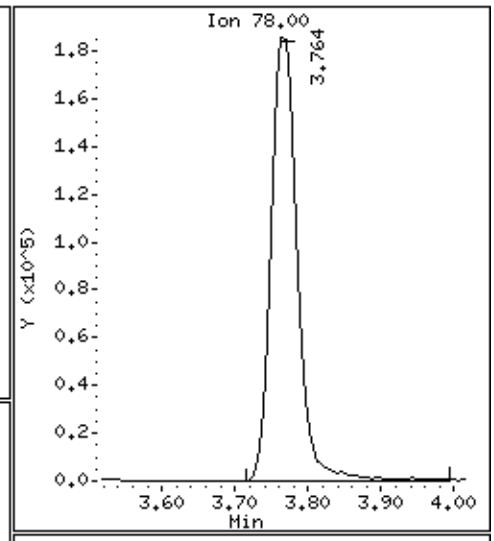
Review Code:

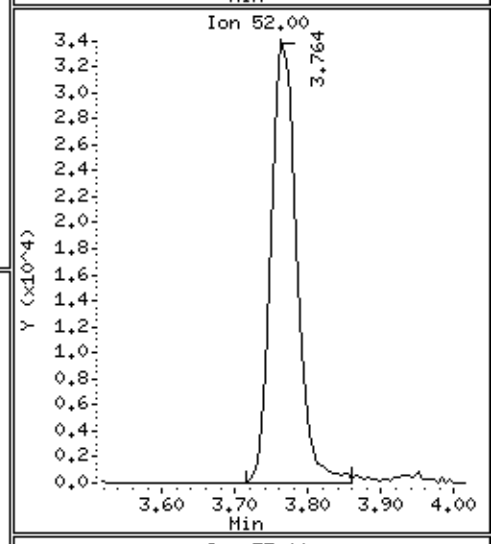


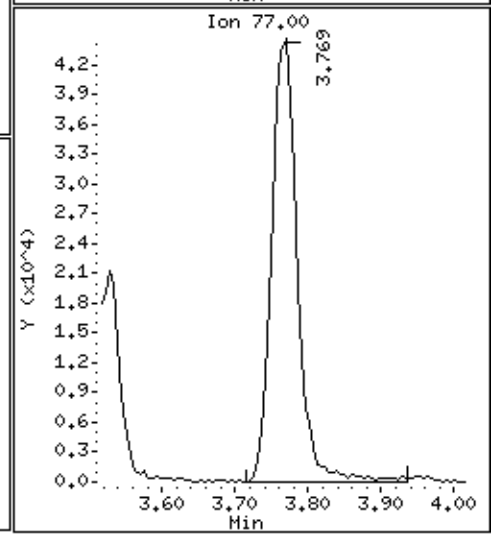












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

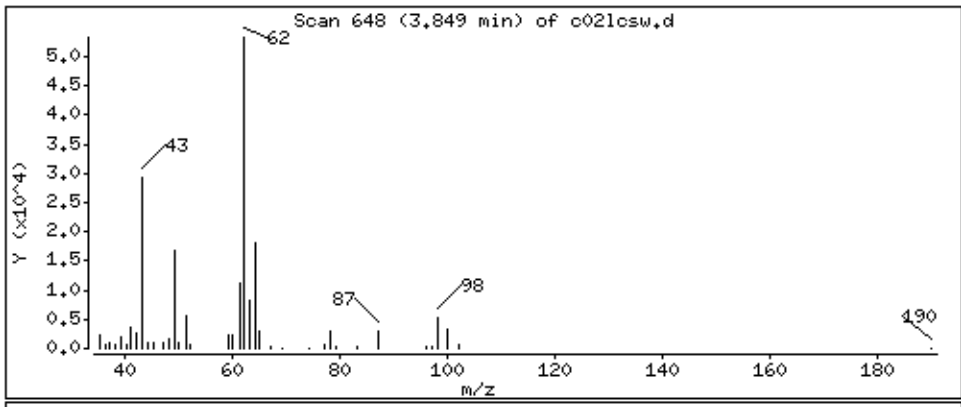
Column phase: DB-624

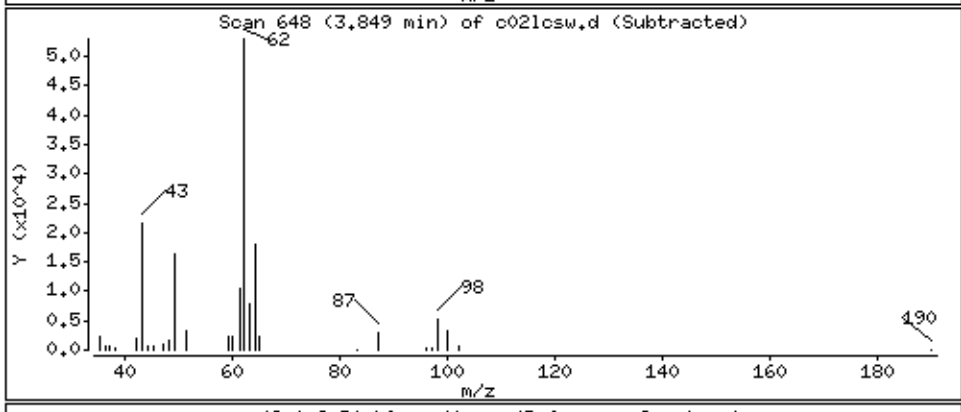
Column diameter: 0.18

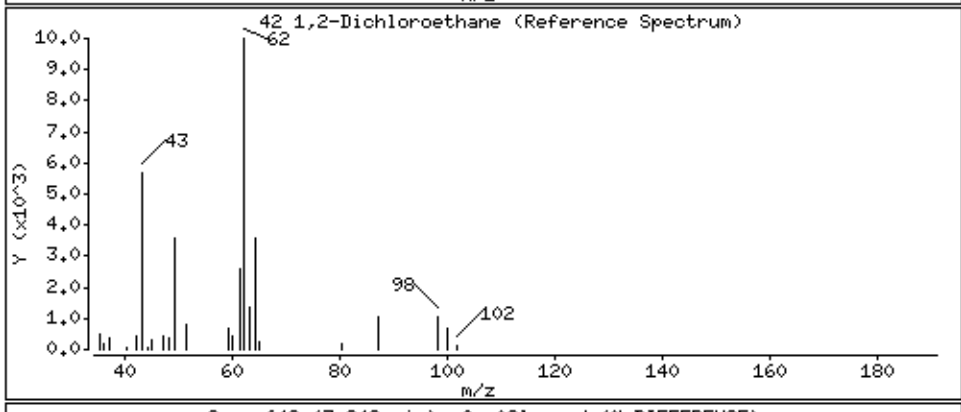
42 1,2-Dichloroethane

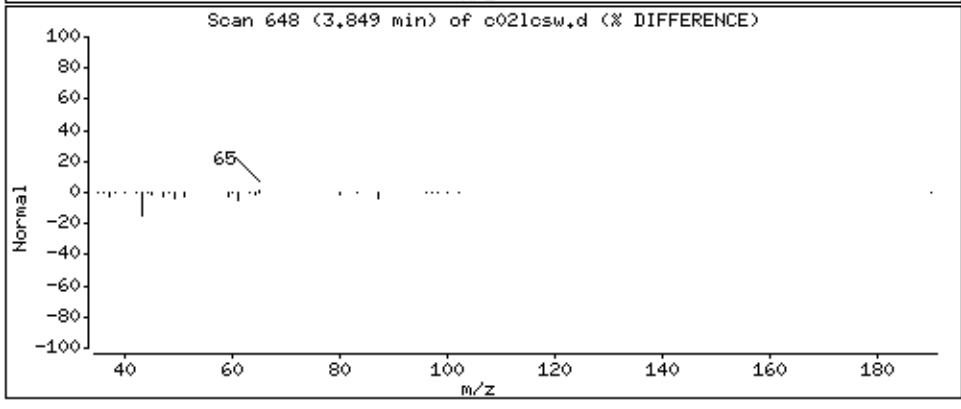
Concentration: 40.6 ppb

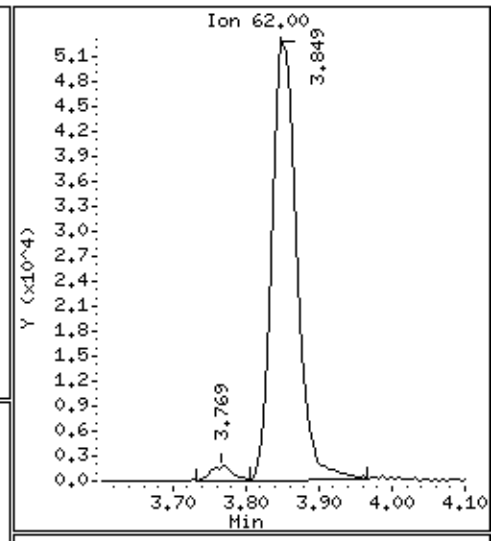
Review Code:

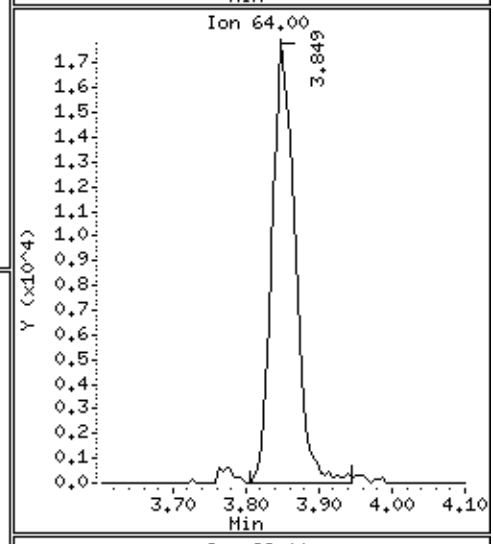


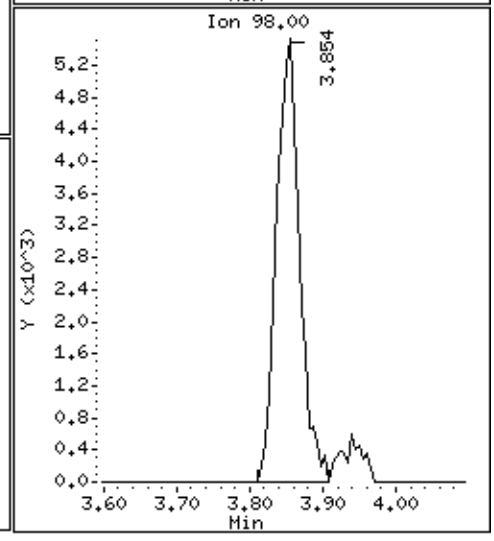












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

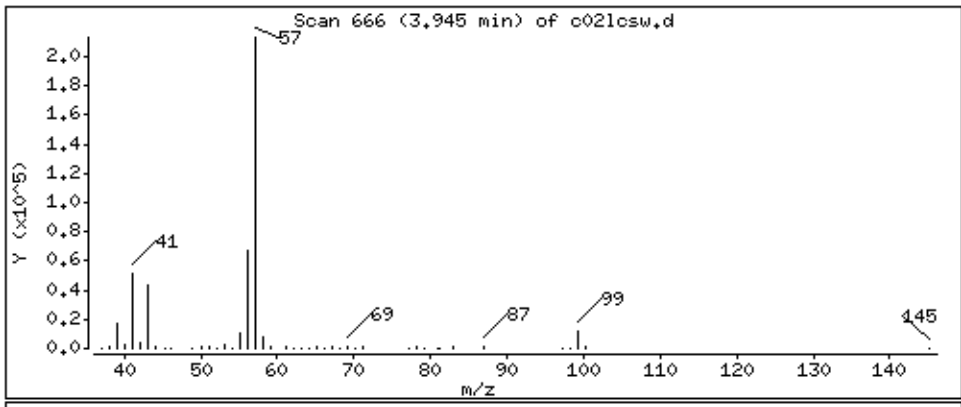
Column phase: DB-624

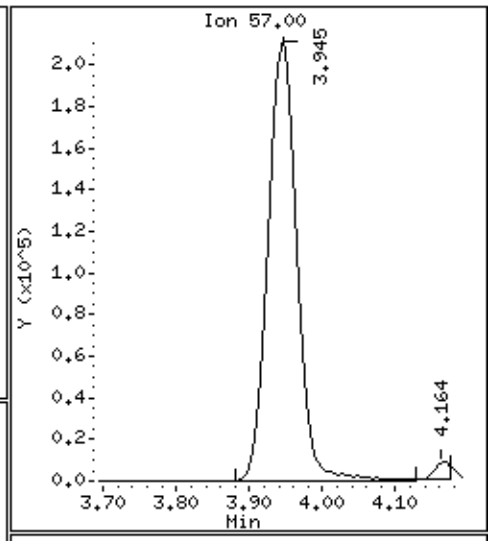
Column diameter: 0.18

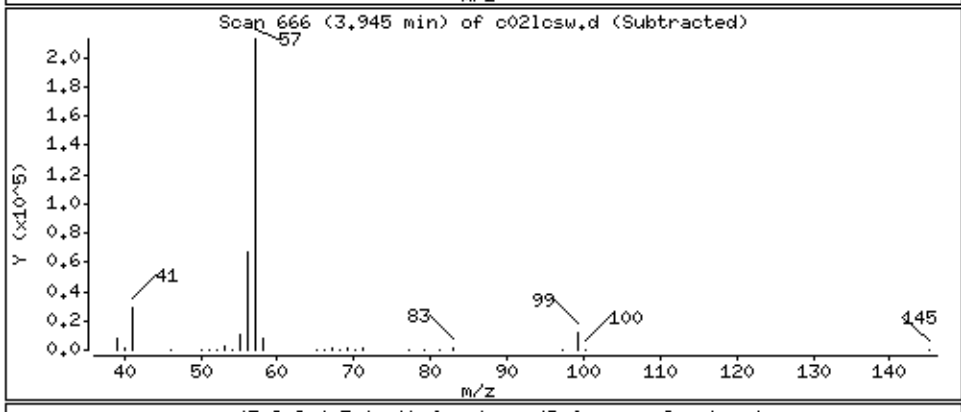
43 2,2,4-Trimethylpentane

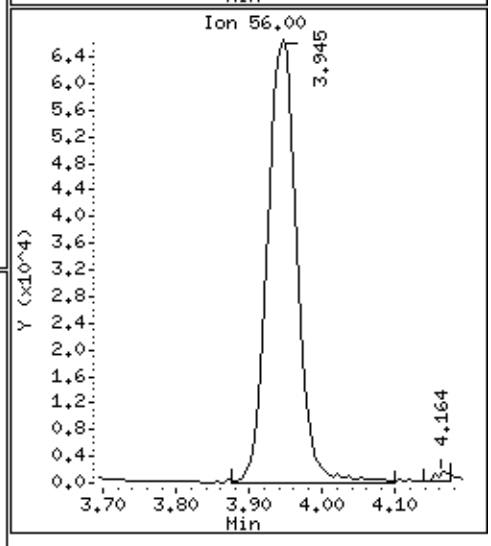
Concentration: 47.8 ppb

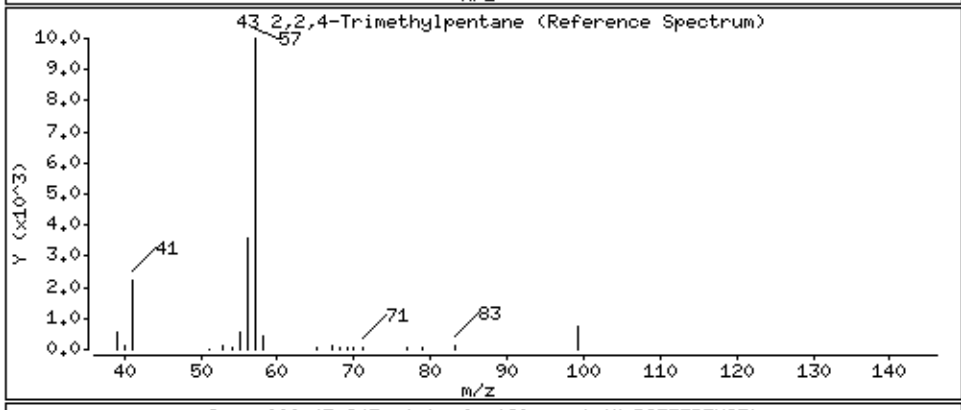
Review Code:

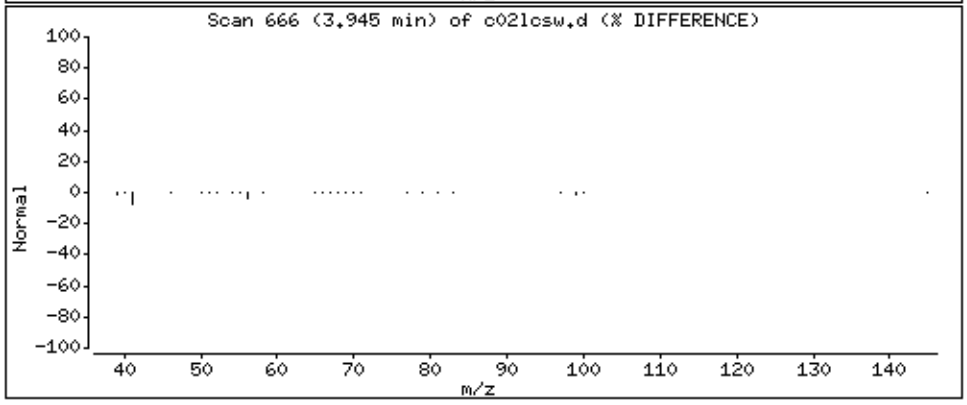












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

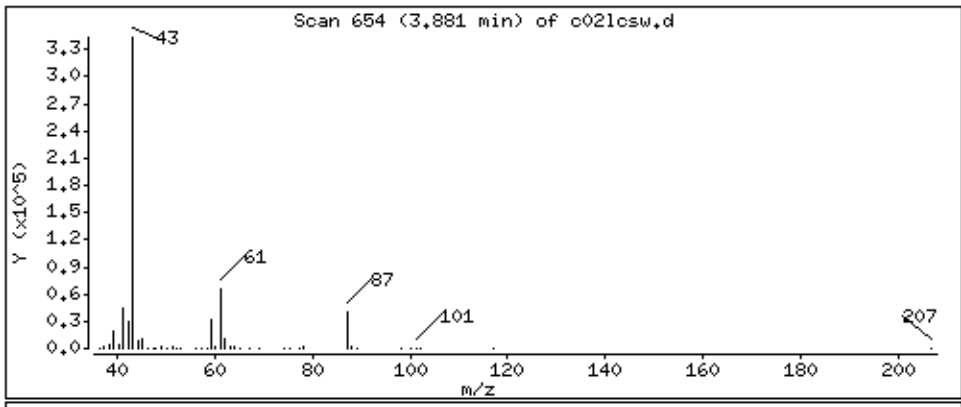
Column phase: DB-624

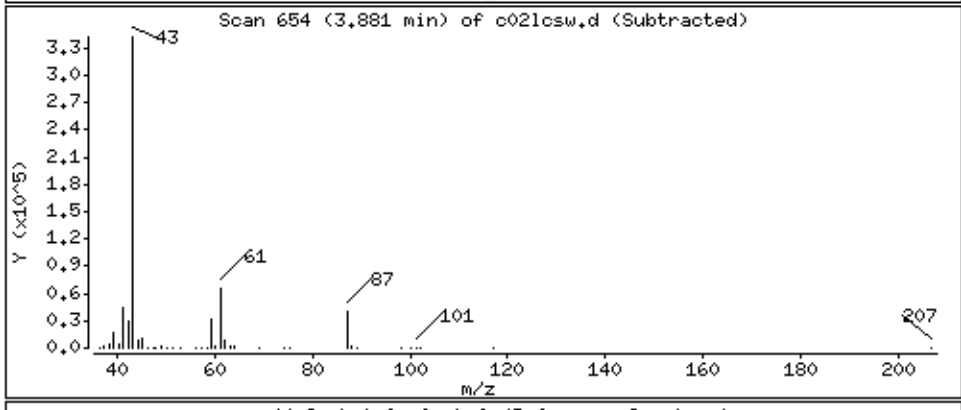
Column diameter: 0.18

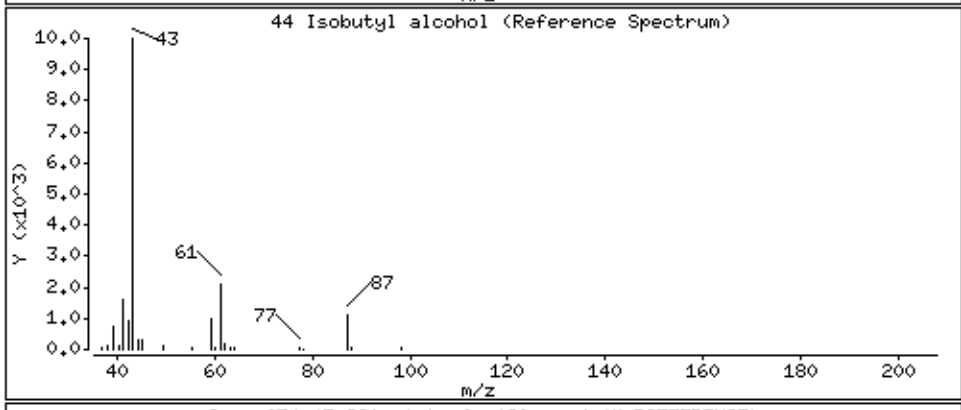
44 Isobutyl alcohol

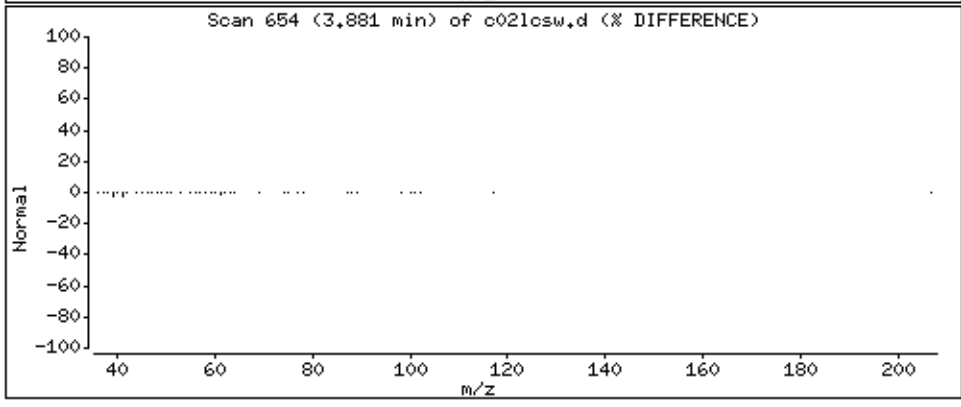
Concentration: 57.4 ppb

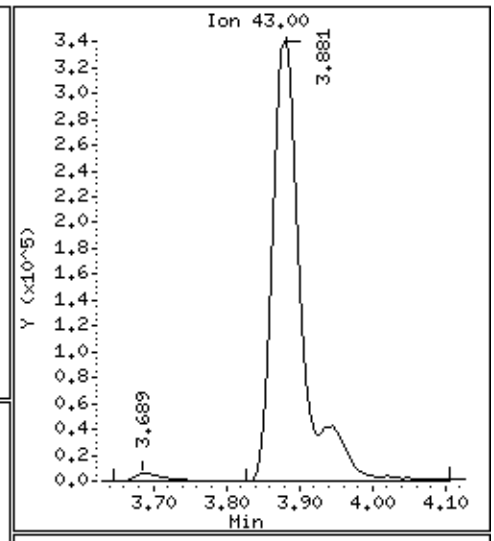
Review Code:

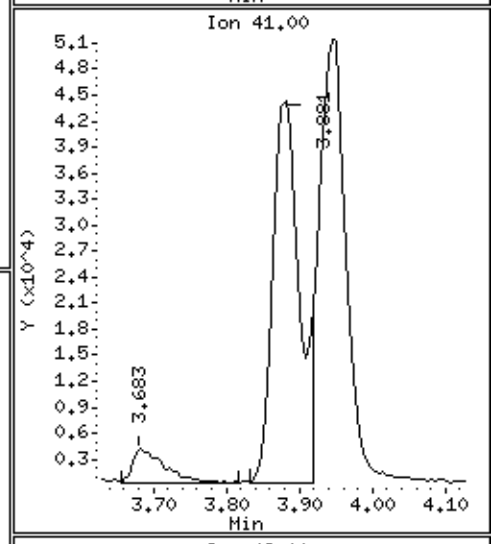


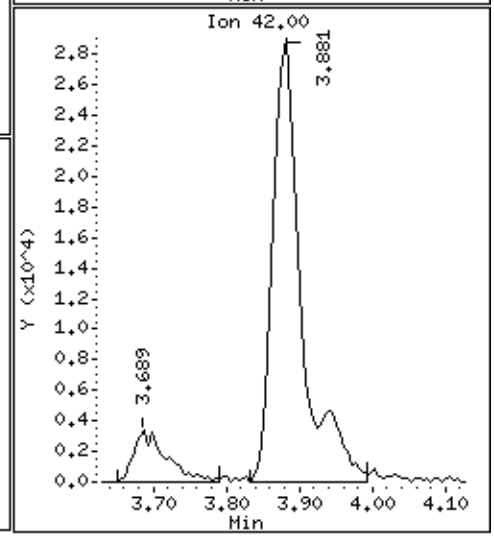












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

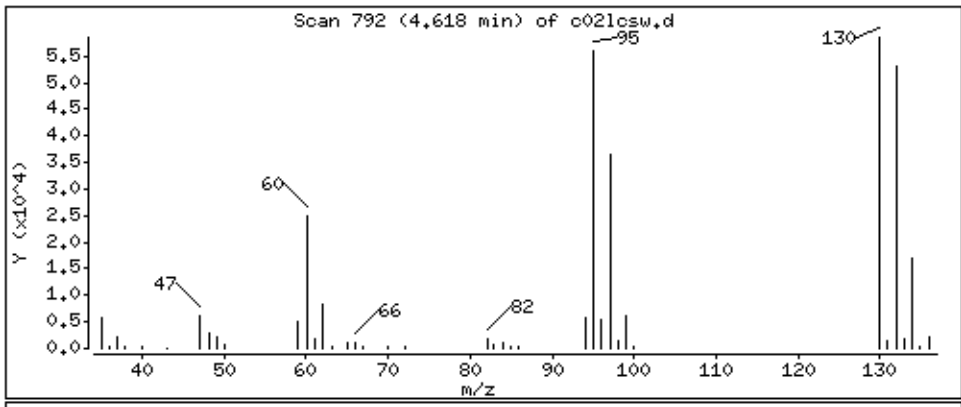
Column phase: DB-624

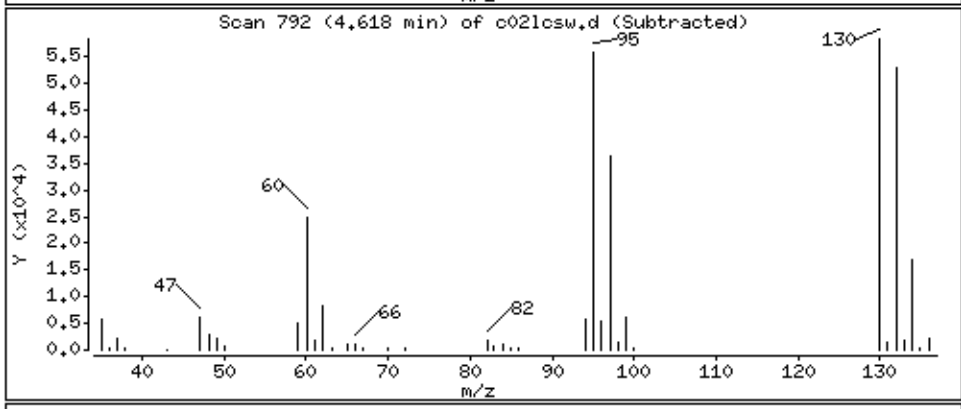
Column diameter: 0.18

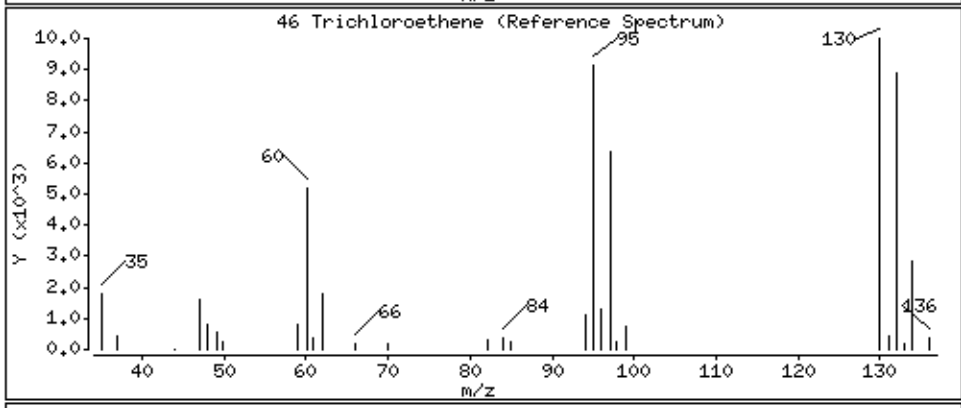
46 Trichloroethene

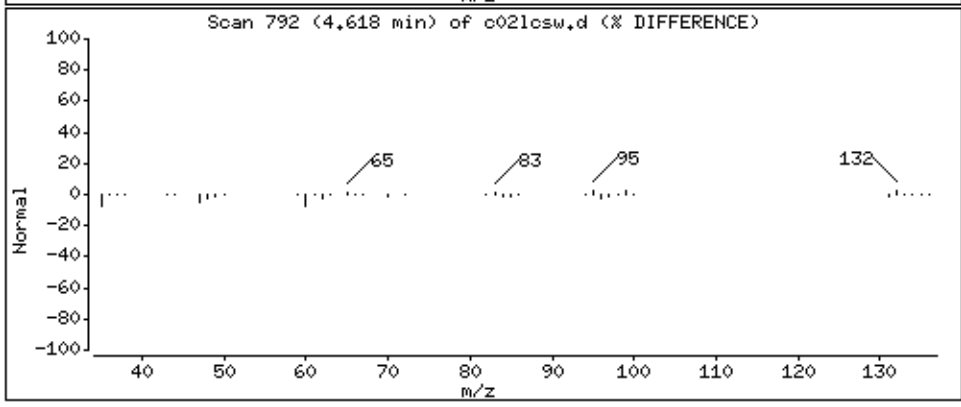
Concentration: 44.1 ppb

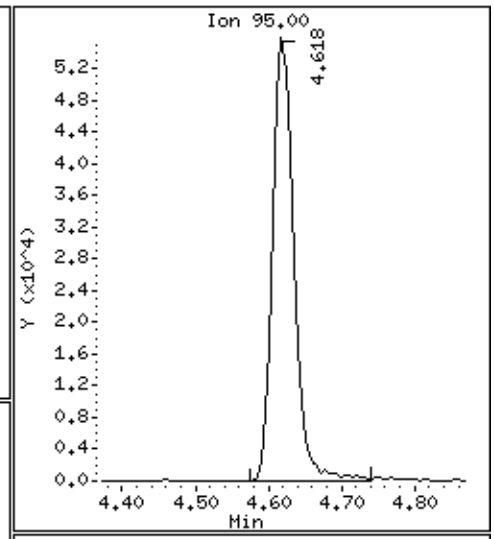
Review Code:

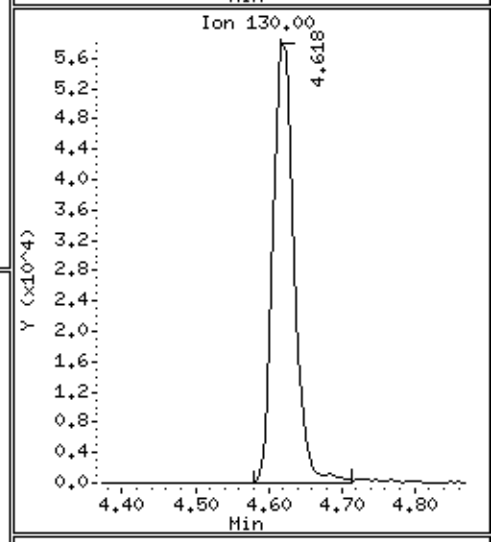


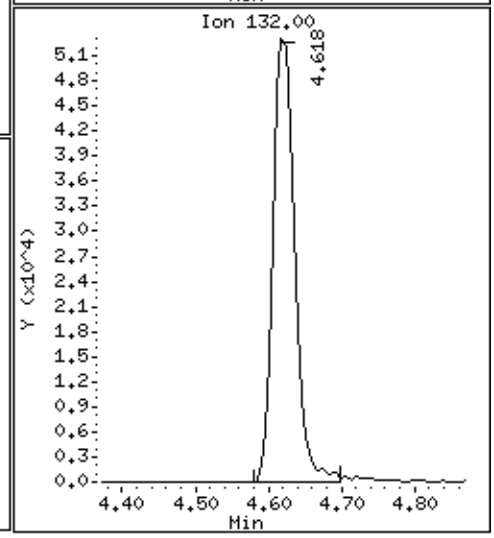












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

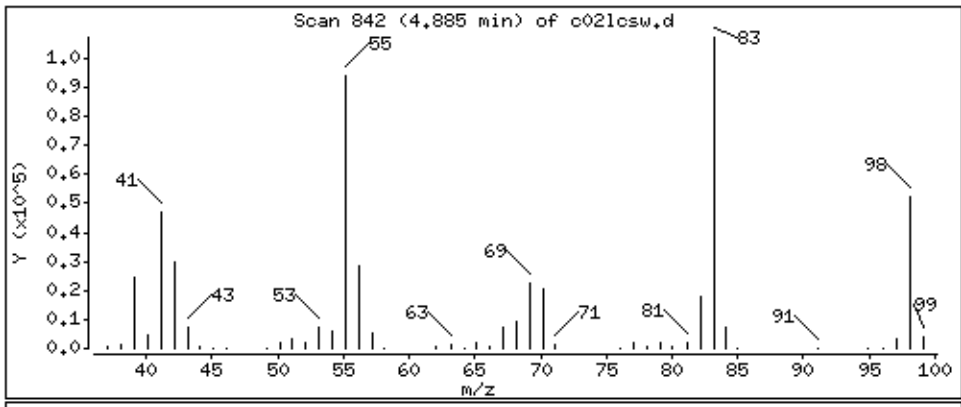
Column phase: DB-624

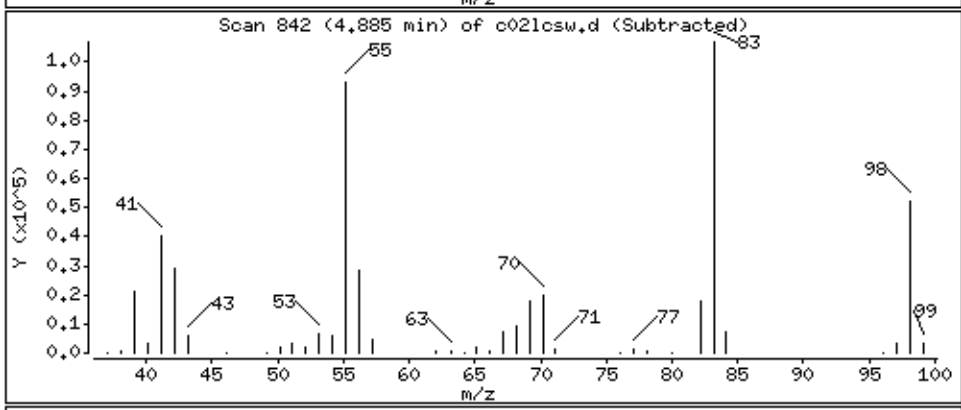
Column diameter: 0.18

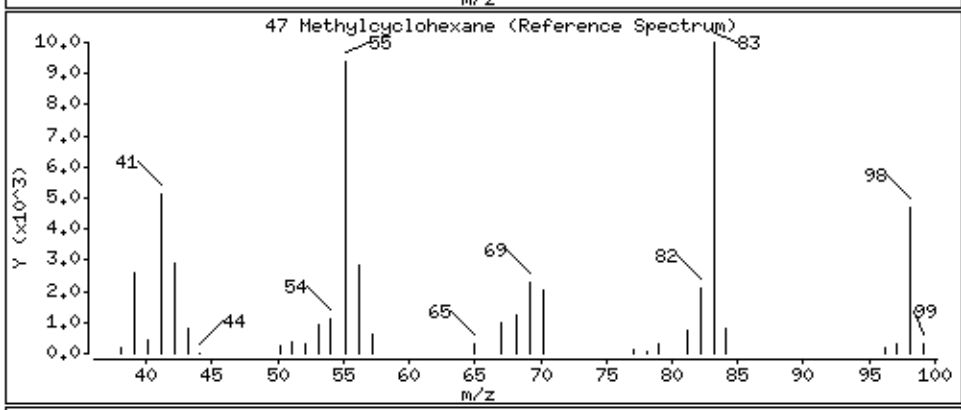
47 Methylcyclohexane

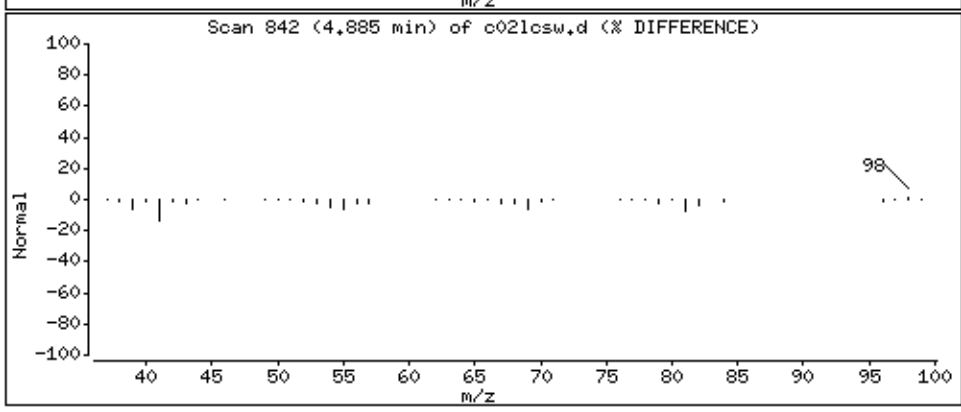
Concentration: 51.5 ppb

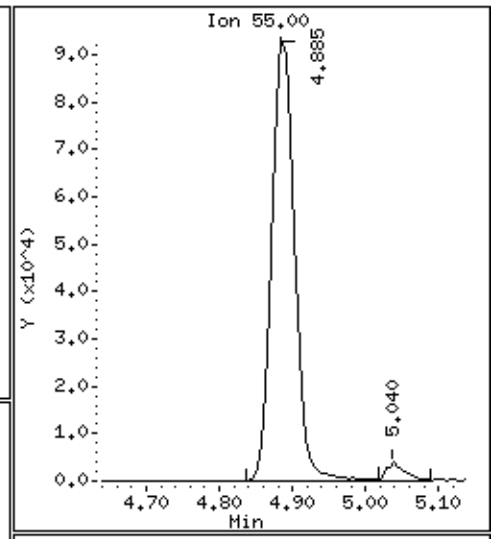
Review Code:

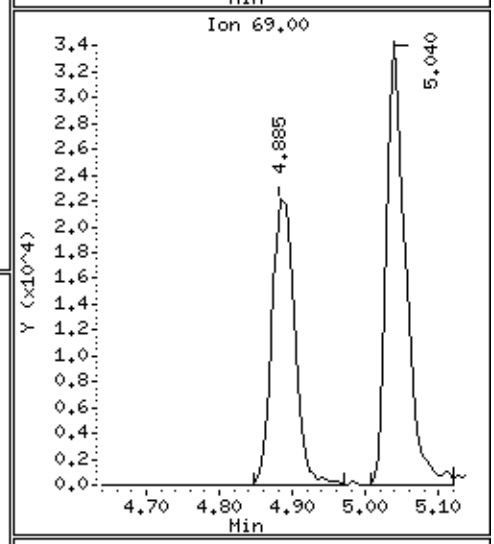


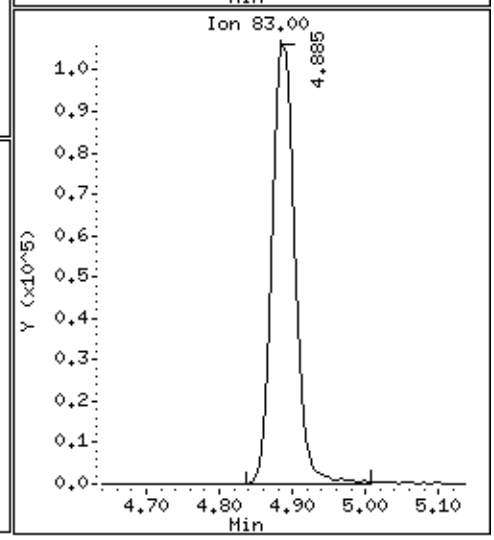












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

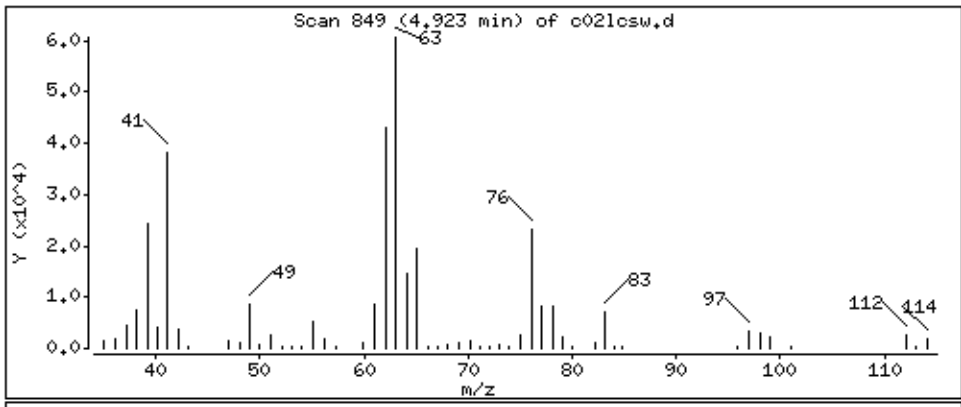
Column phase: DB-624

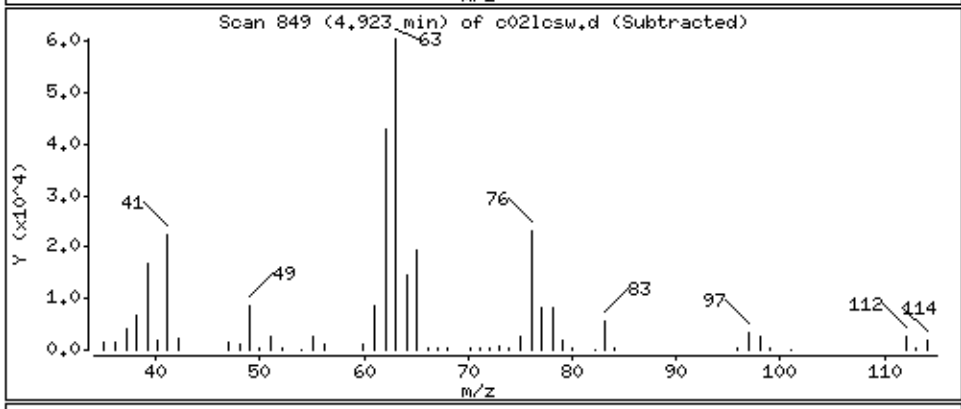
Column diameter: 0.18

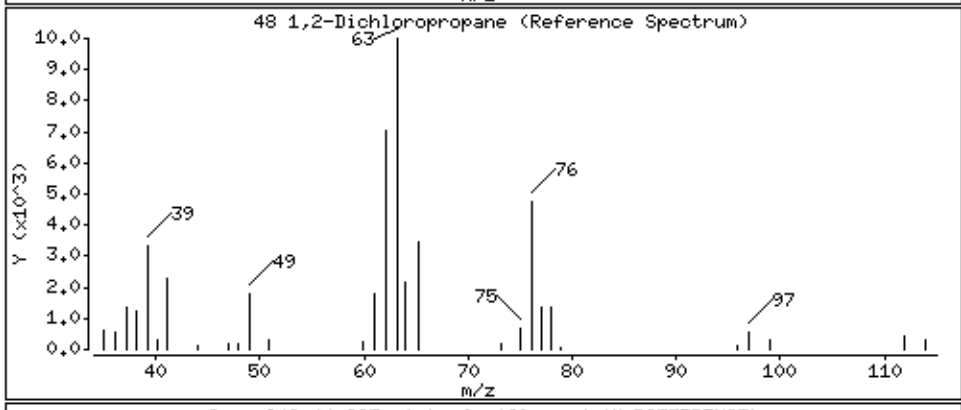
48 1,2-Dichloropropane

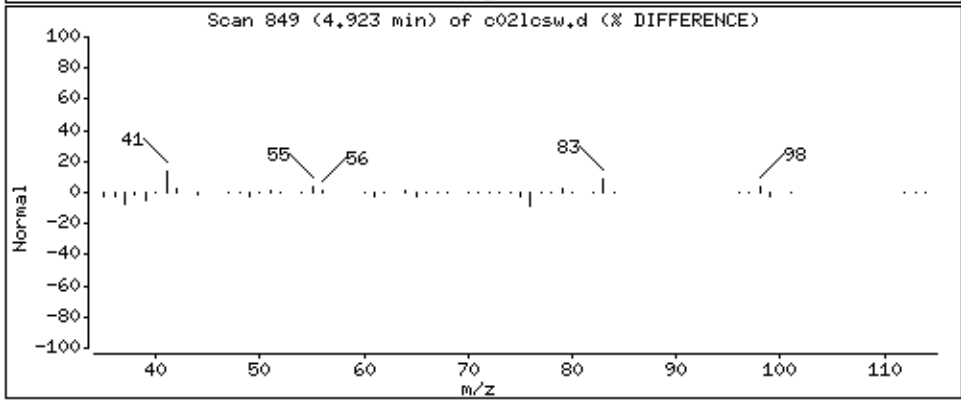
Concentration: 52.4 ppb

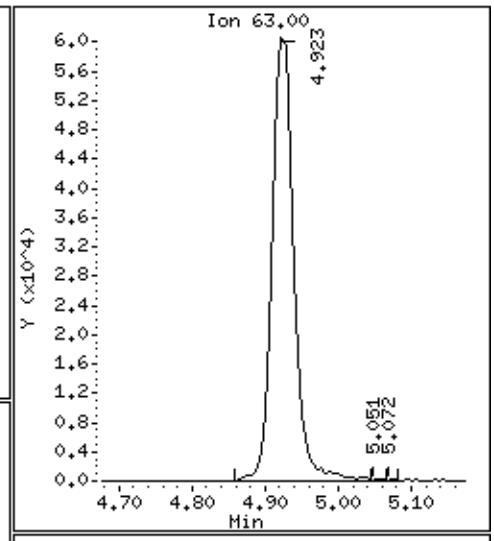
Review Code:

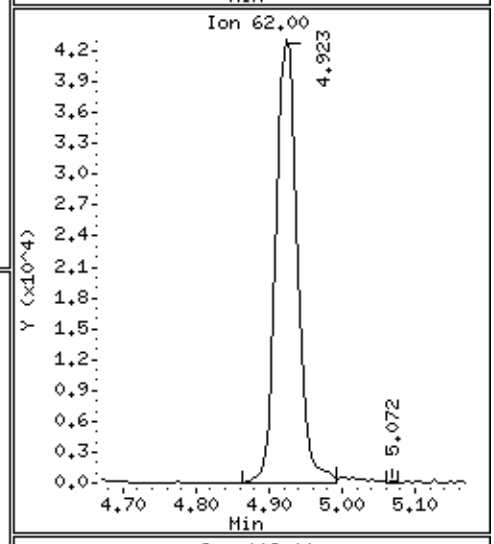


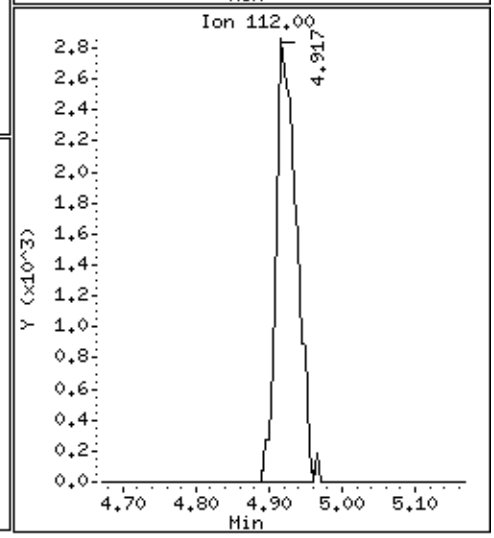












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

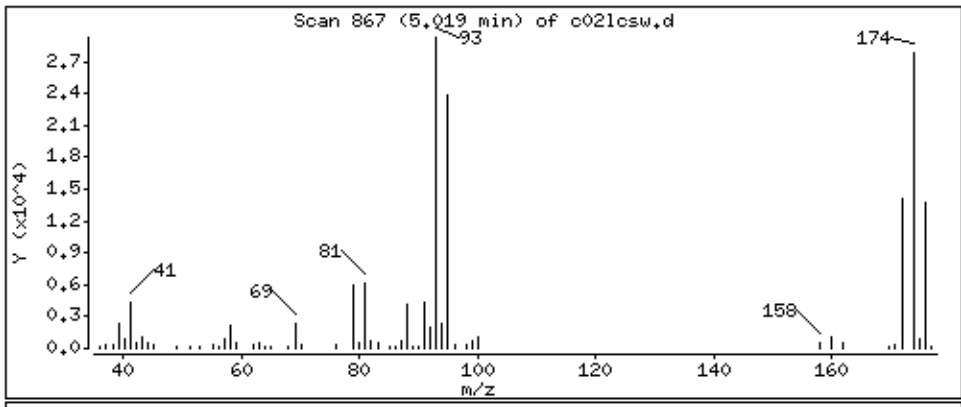
Column phase: DB-624

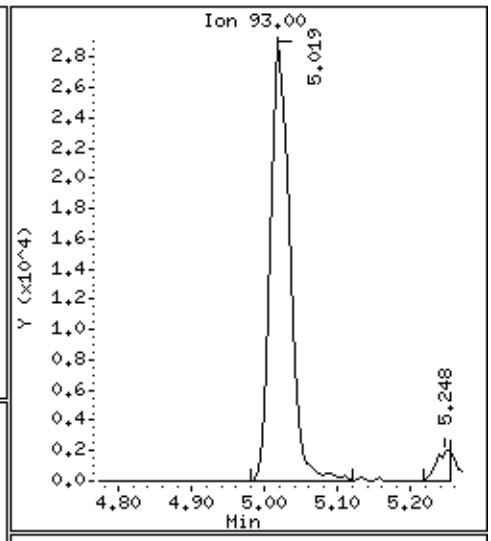
Column diameter: 0.18

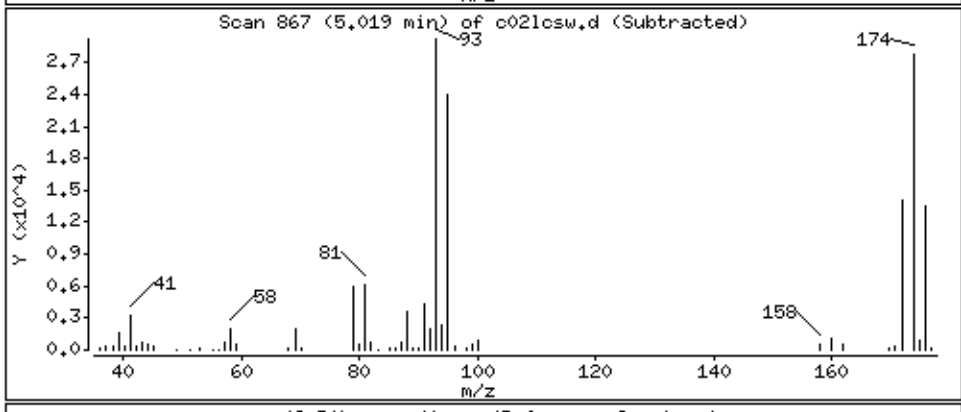
49 Dibromomethane

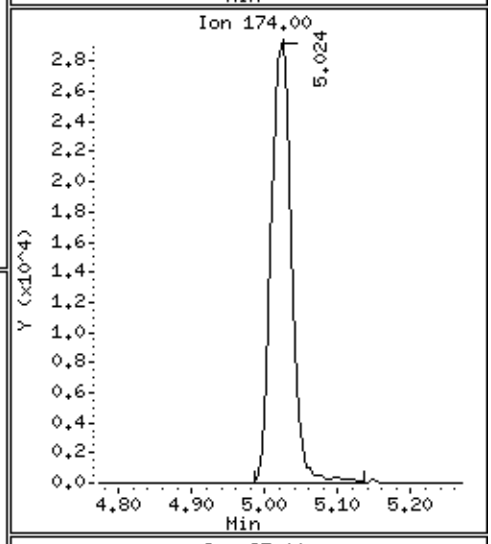
Concentration: 48.8 ppb

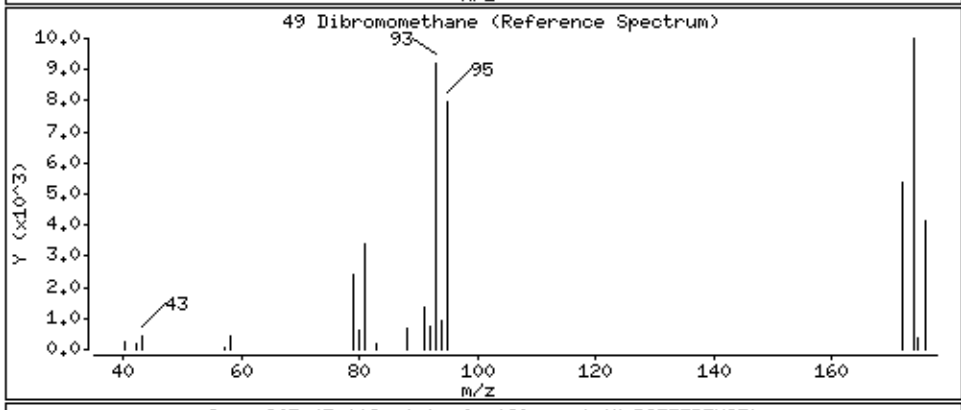
Review Code:

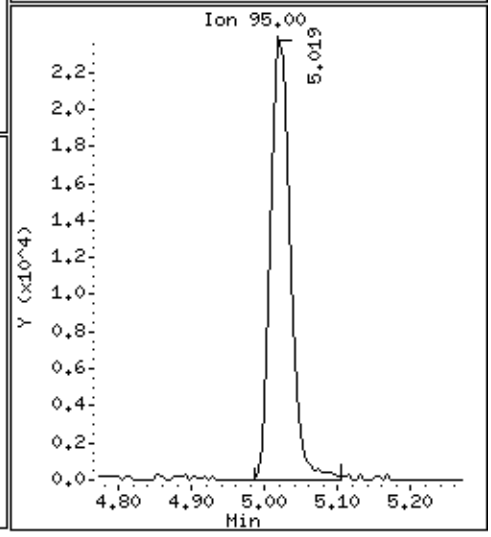


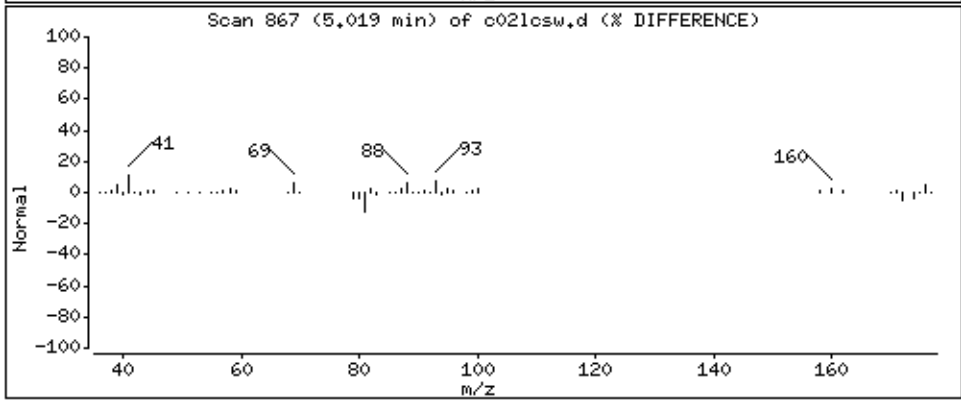












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

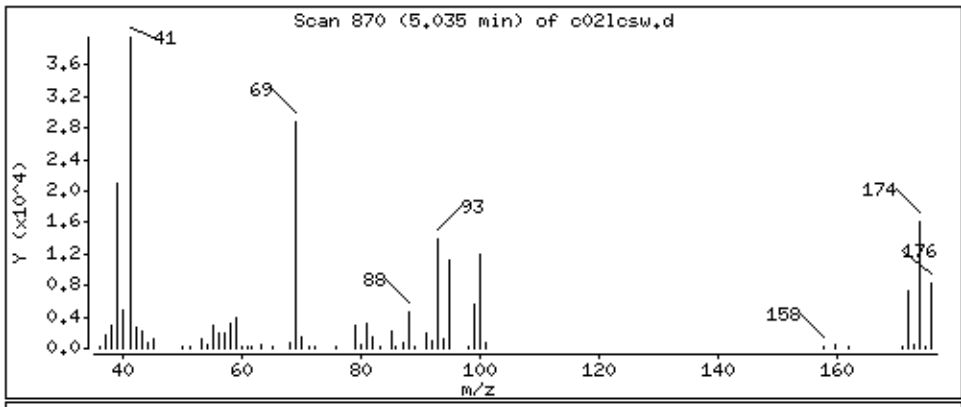
Column phase: DB-624

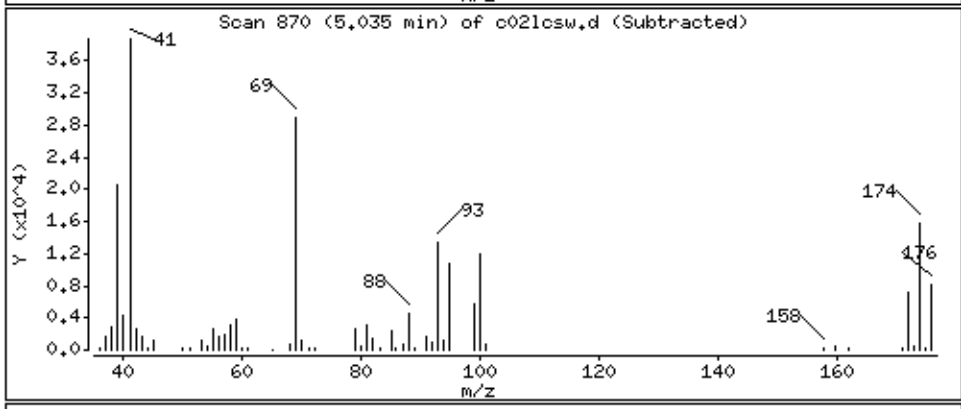
Column diameter: 0.18

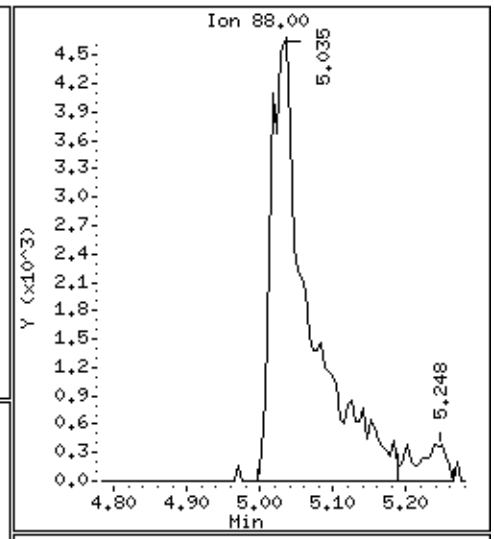
50 1,4-Dioxane

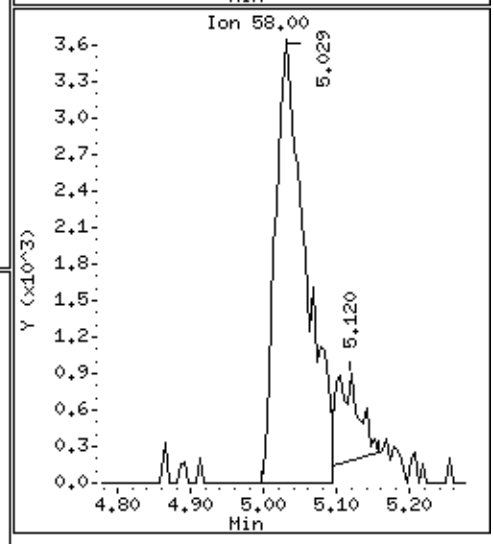
Concentration: 1180 ppb

Review Code:









Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

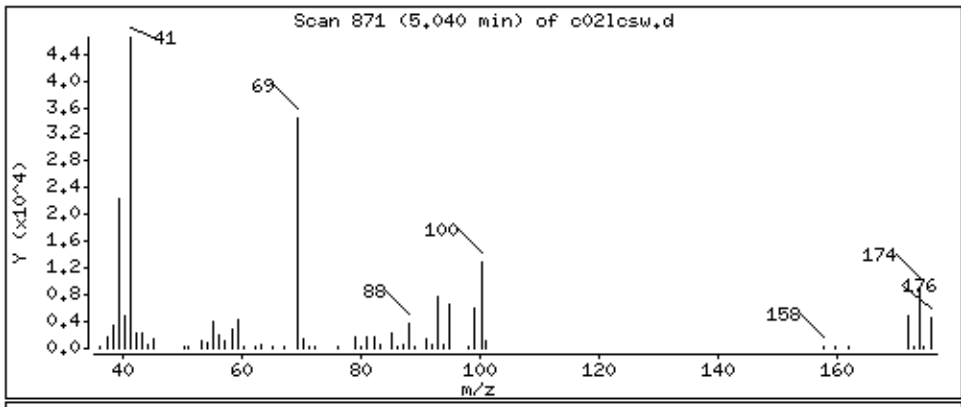
Column phase: DB-624

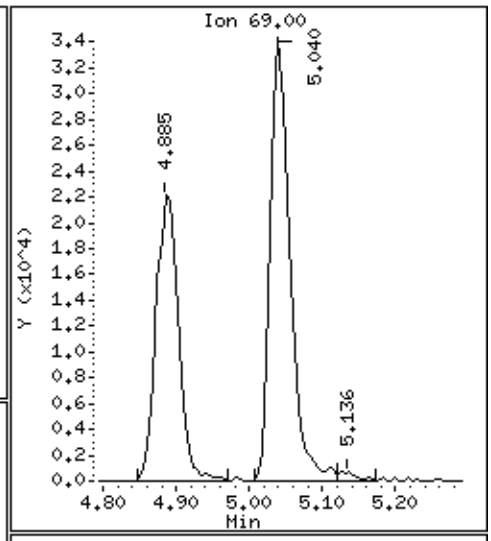
Column diameter: 0.18

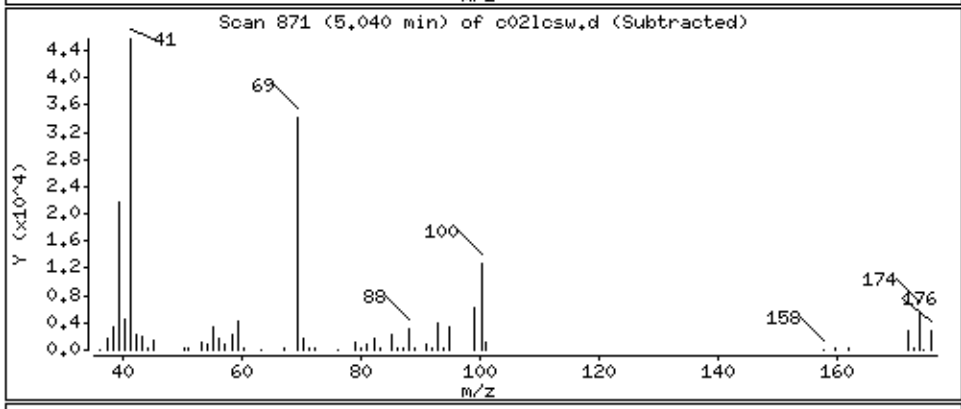
51 Methyl methacrylate

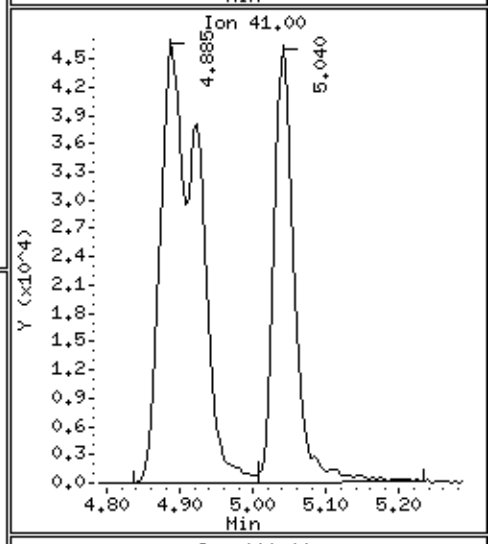
Concentration: 60.3 ppb

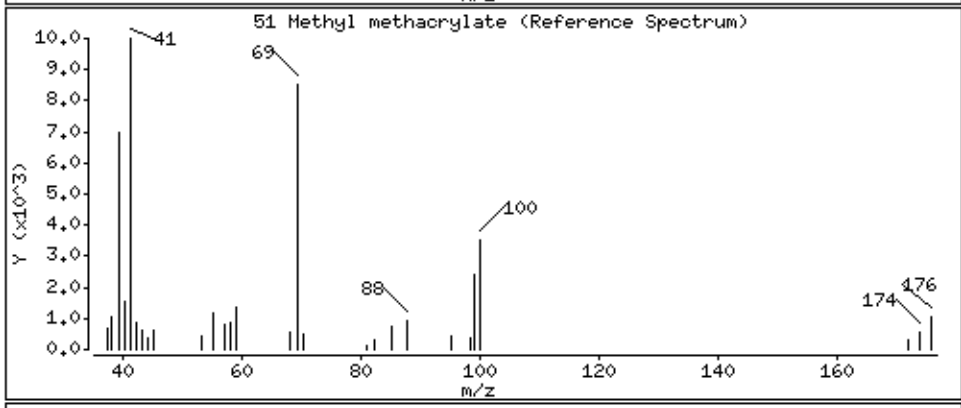
Review Code:

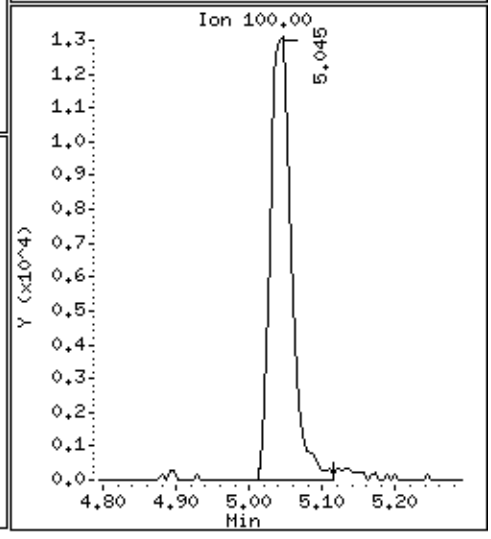


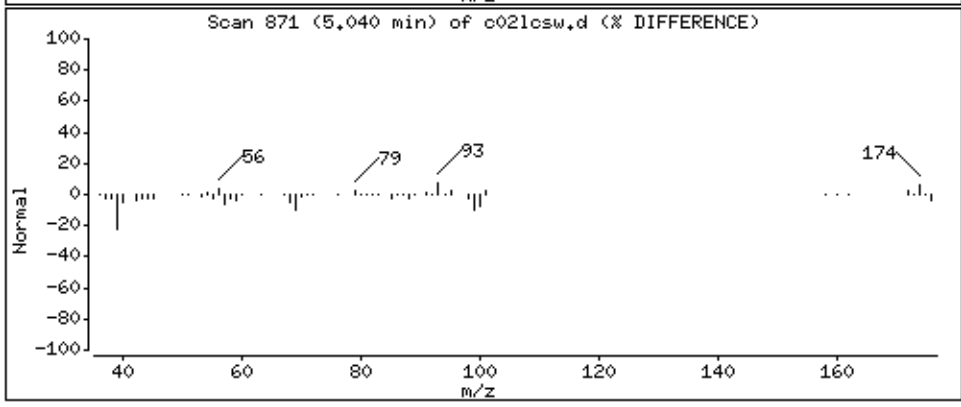












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

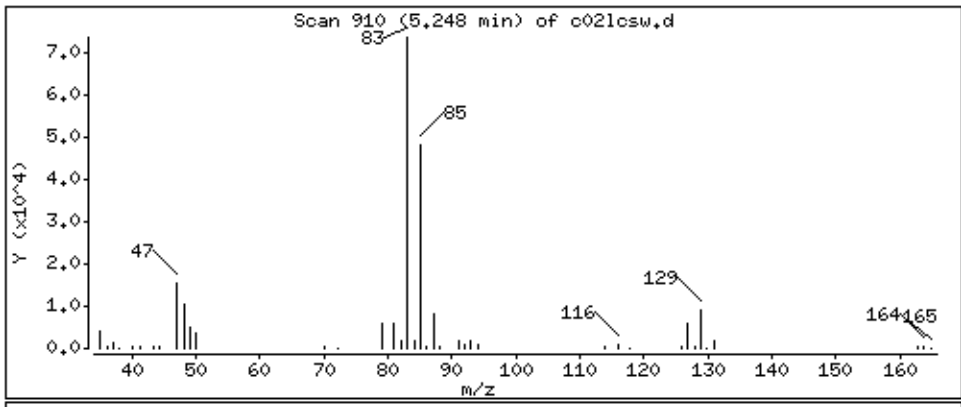
Column phase: DB-624

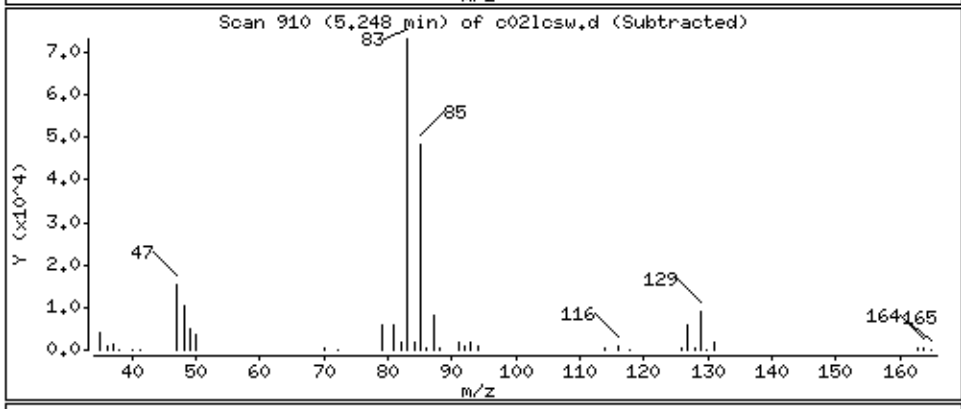
Column diameter: 0.18

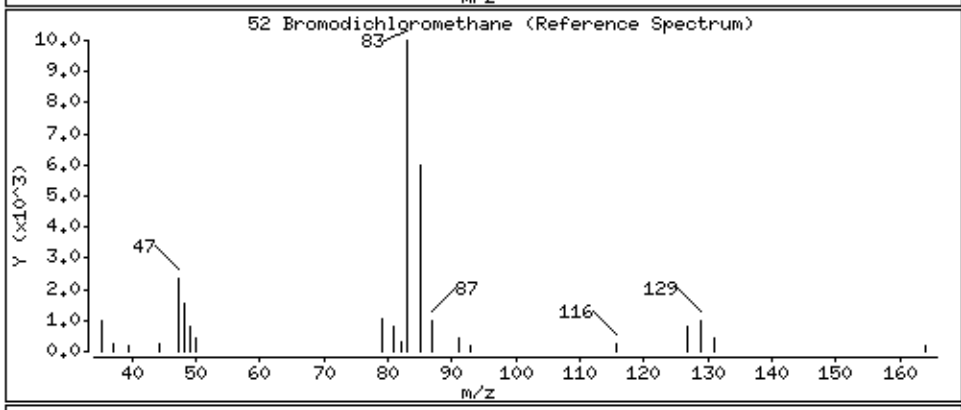
52 Bromodichloromethane

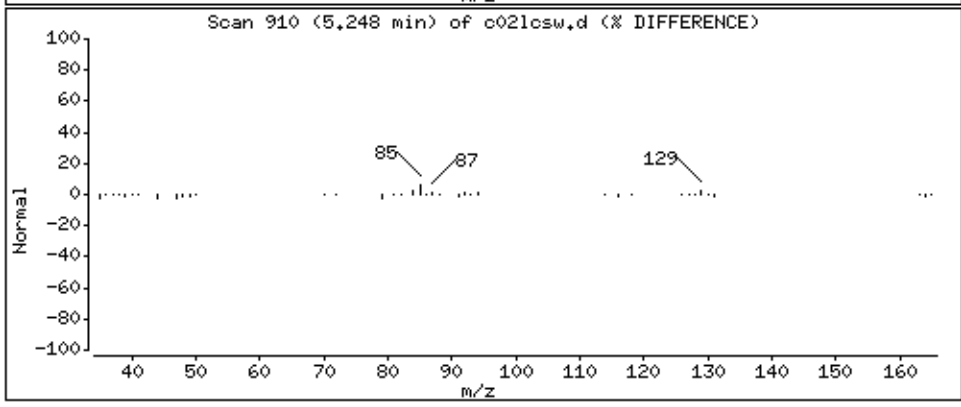
Concentration: 51.6 ppb

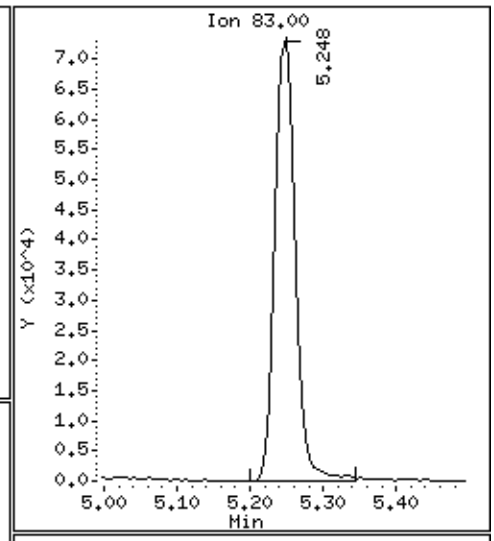
Review Code:

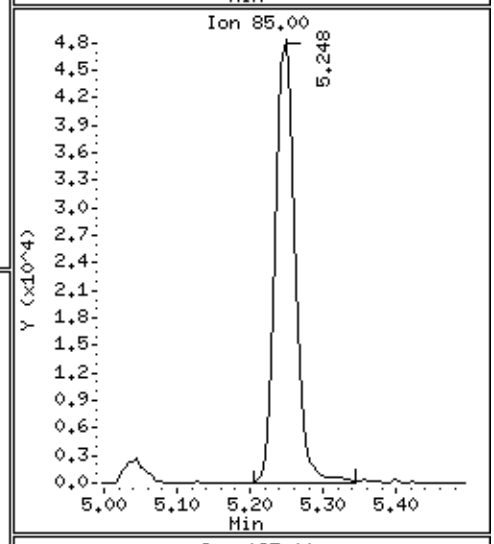


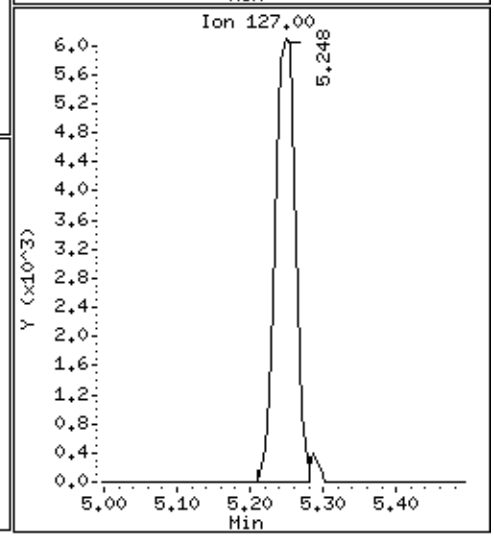












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

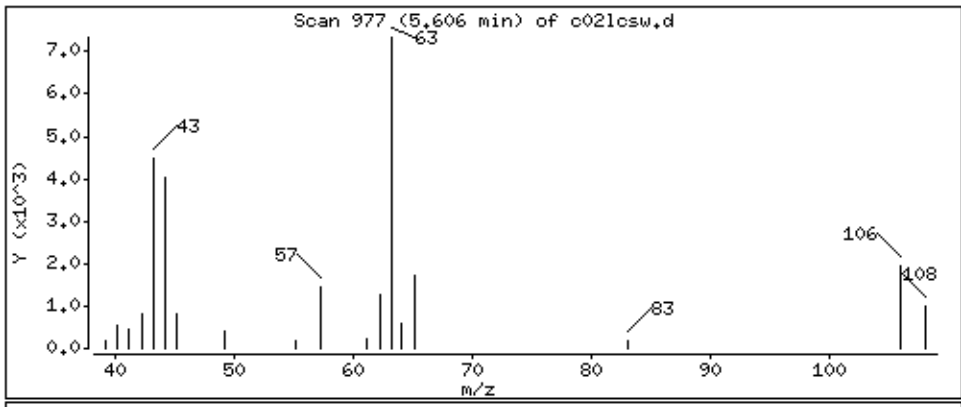
Column phase: DB-624

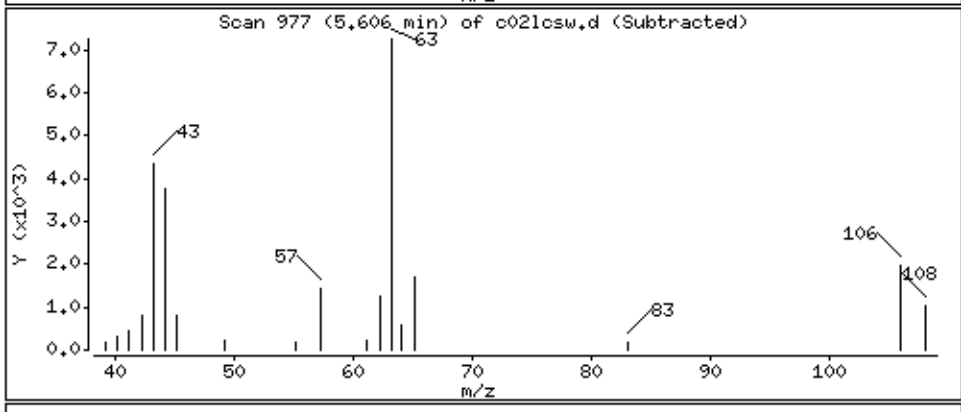
Column diameter: 0.18

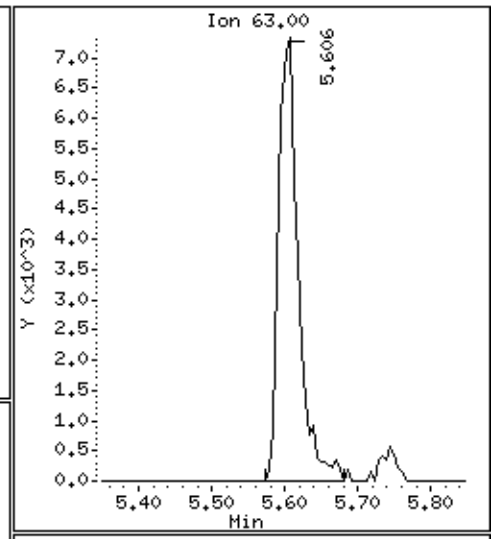
53 2-Chloroethyl vinyl ether

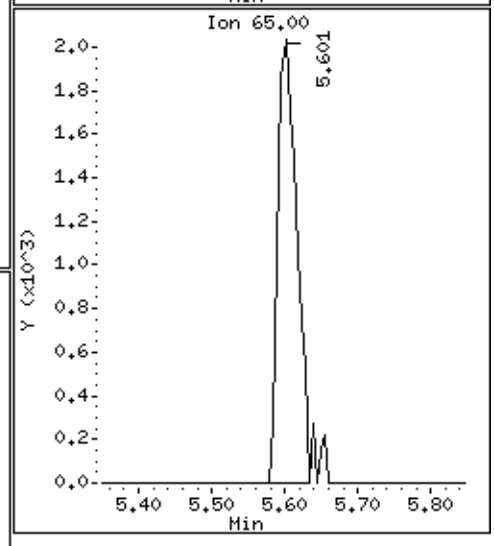
Concentration: 131 ppb

Review Code:









Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

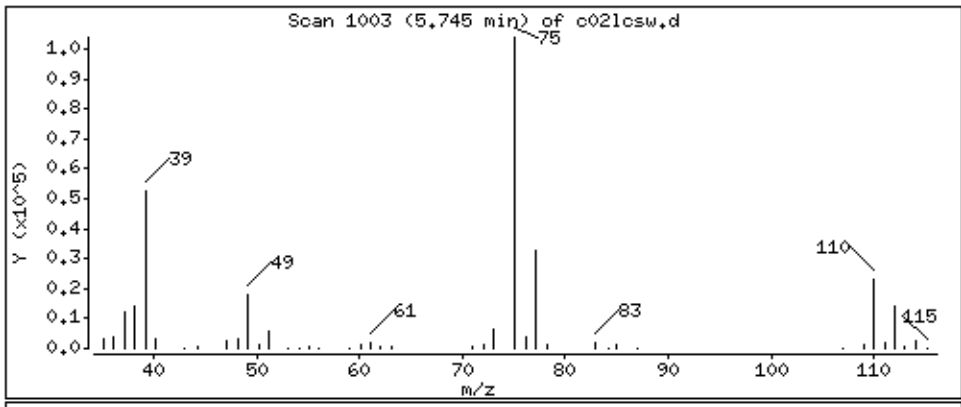
Column phase: DB-624

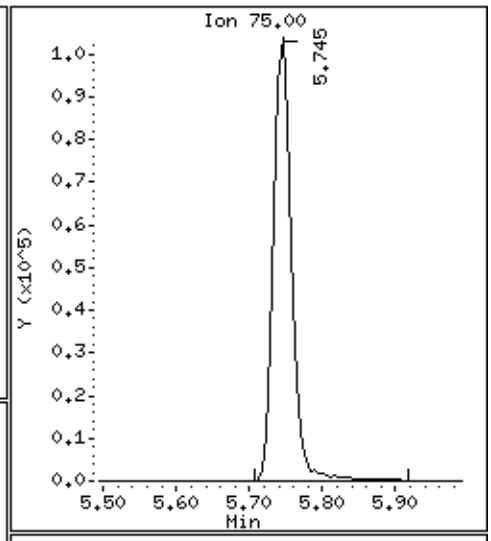
Column diameter: 0.18

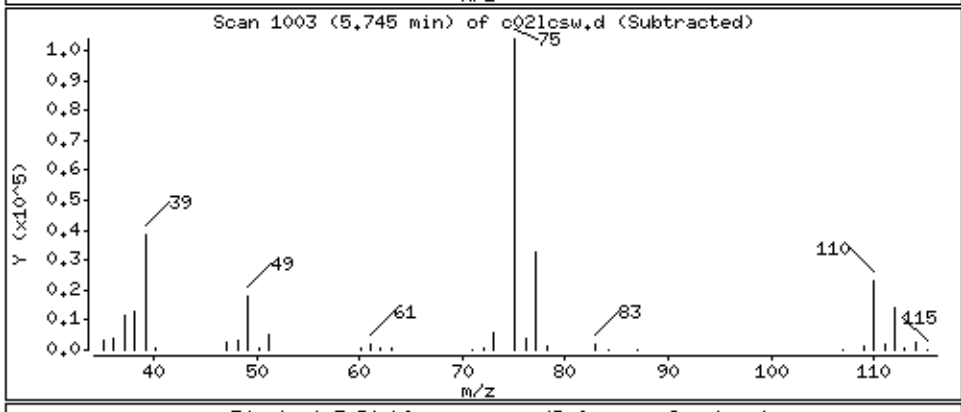
54 cis-1,3-Dichloropropene

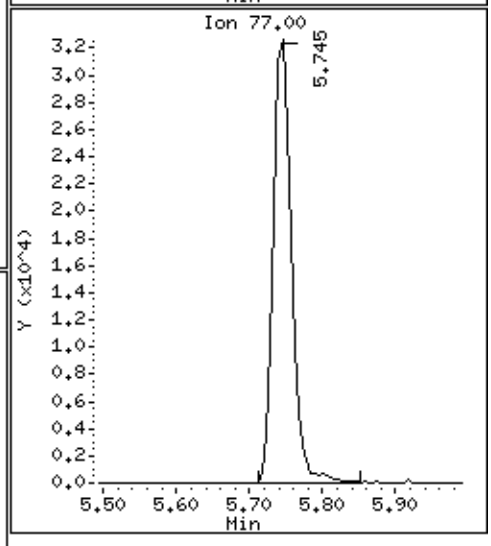
Concentration: 48.0 ppb

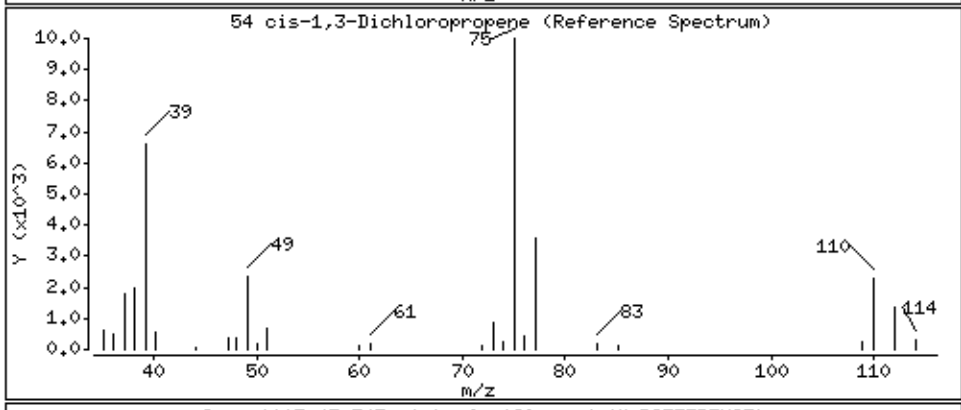
Review Code:

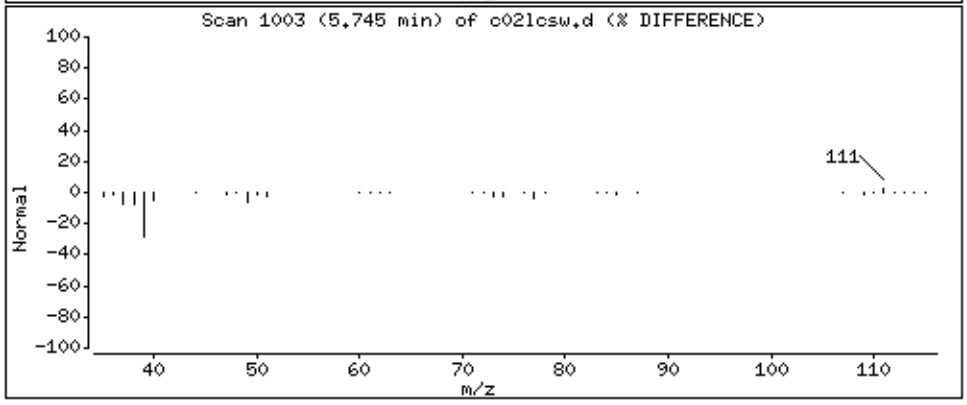












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

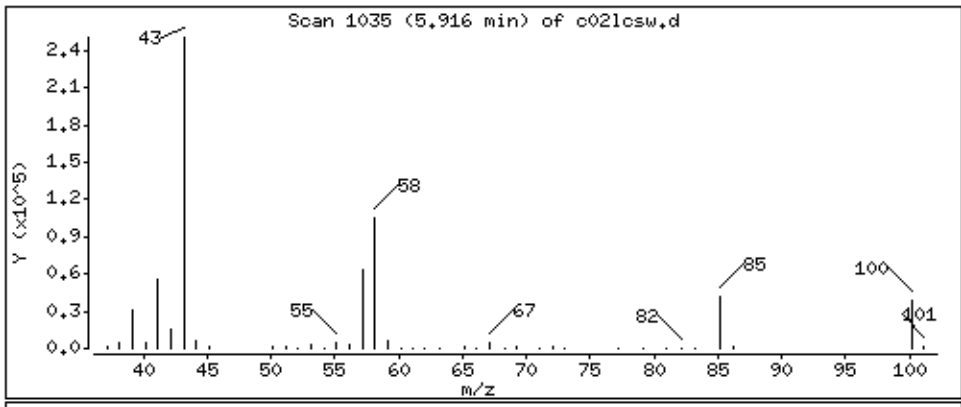
Column phase: DB-624

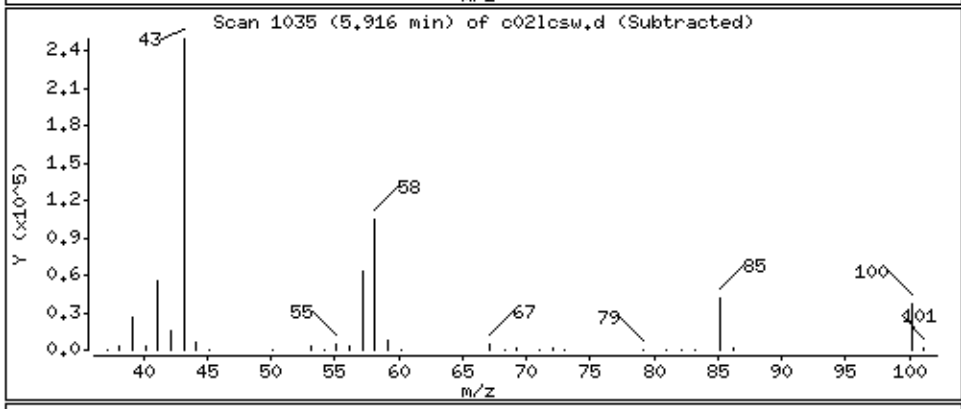
Column diameter: 0.18

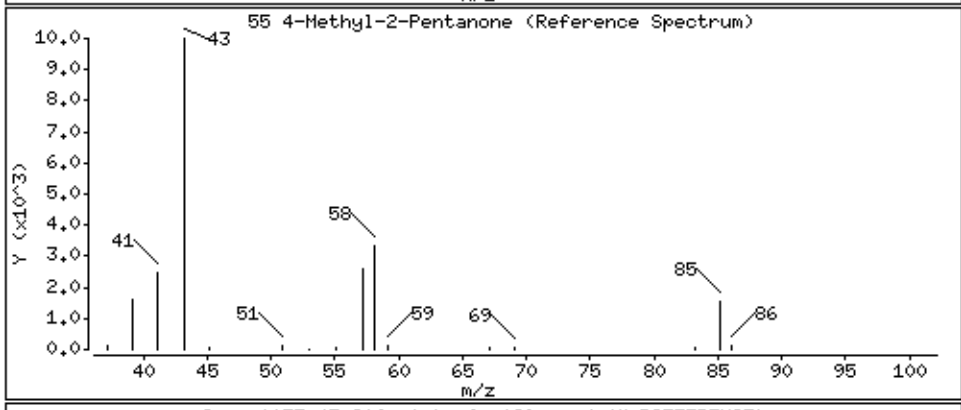
55 4-Methyl-2-Pentanone

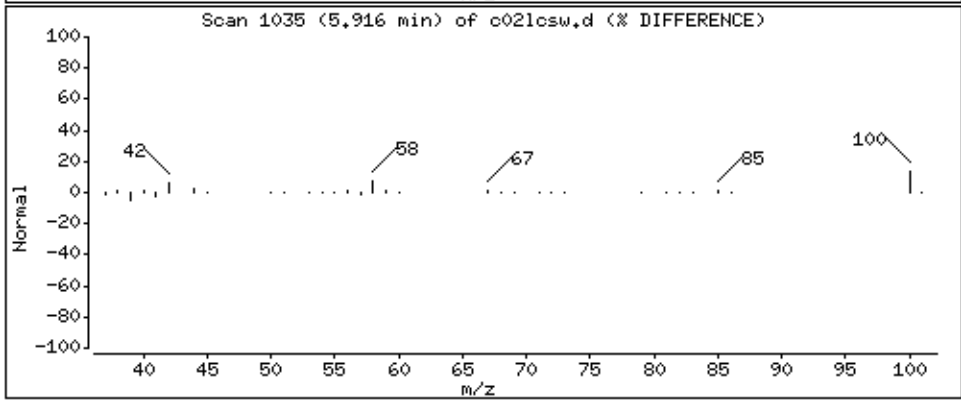
Concentration: 268 ppb

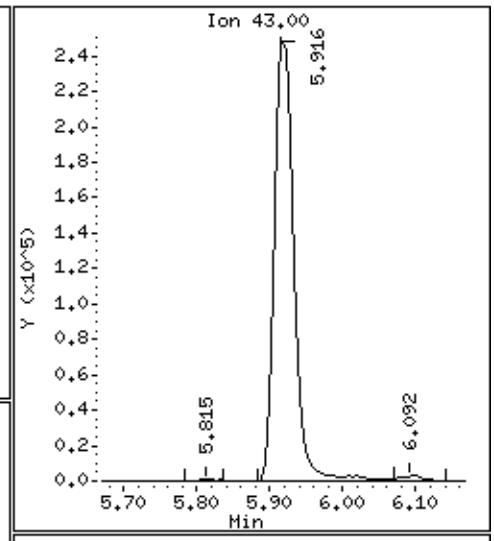
Review Code:

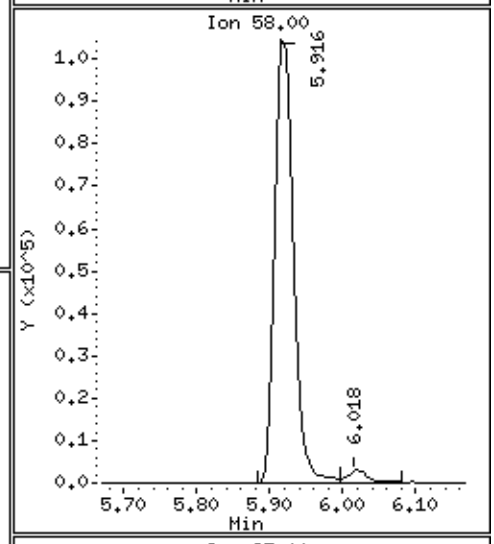


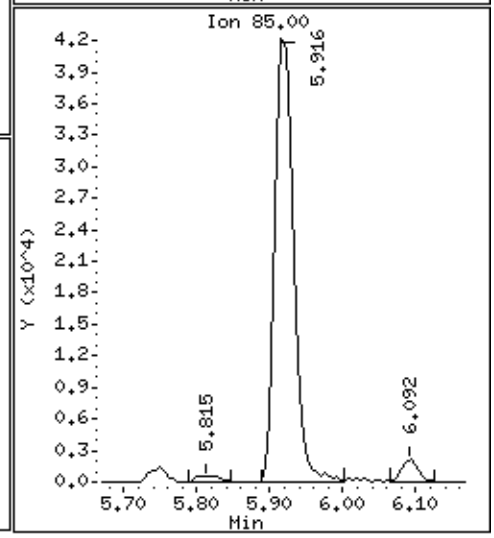












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

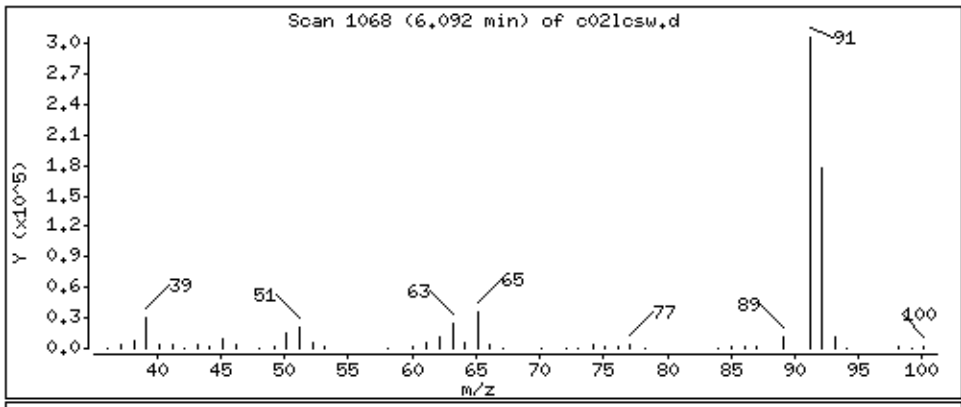
Column phase: DB-624

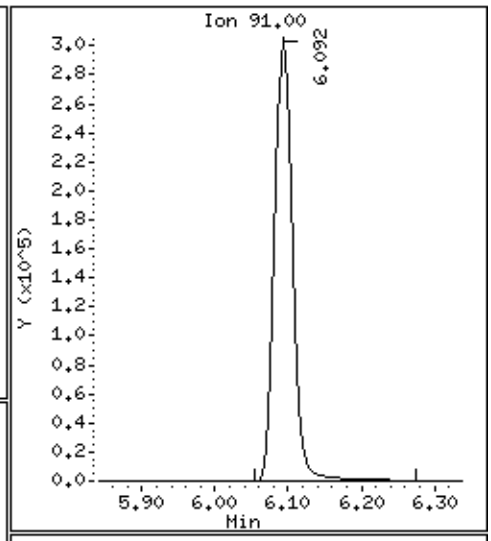
Column diameter: 0.18

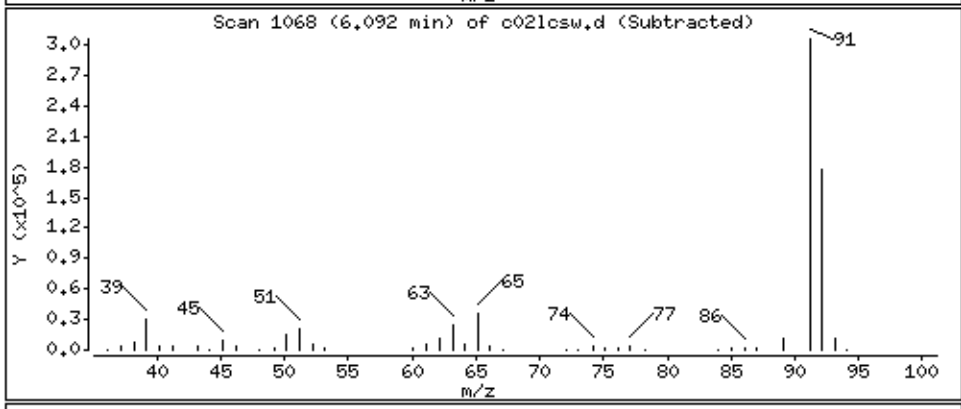
57 Toluene

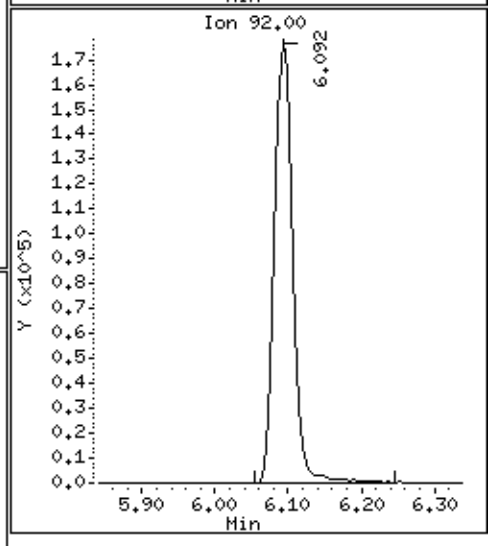
Concentration: 43.1 ppb

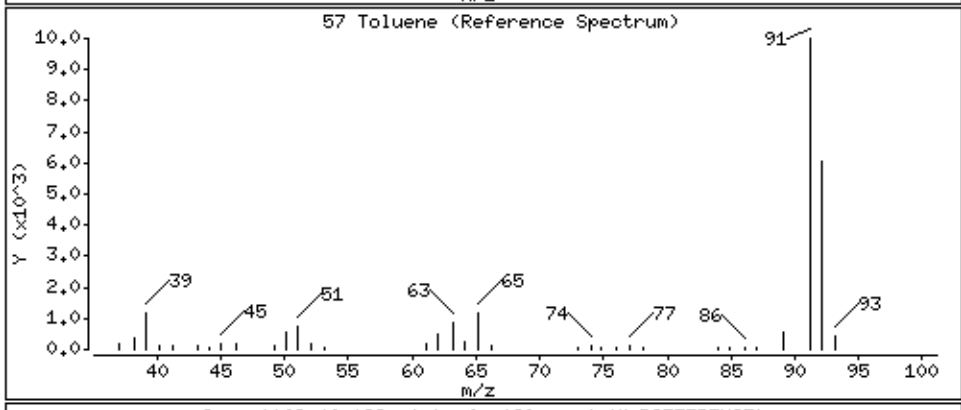
Review Code:

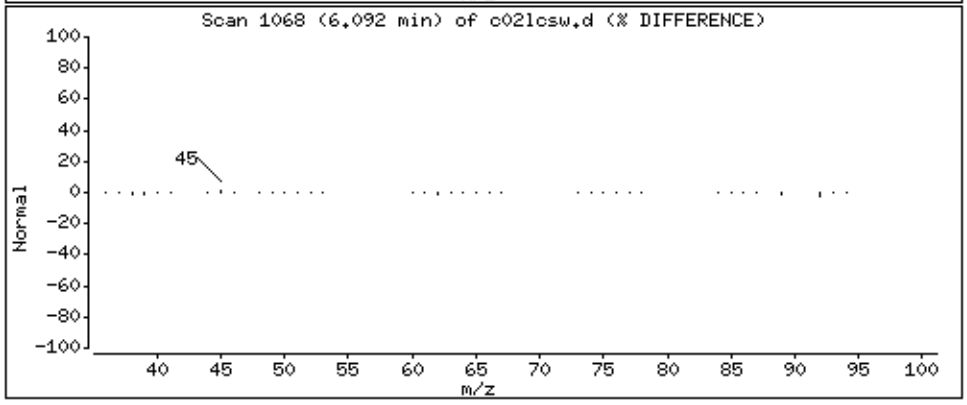












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

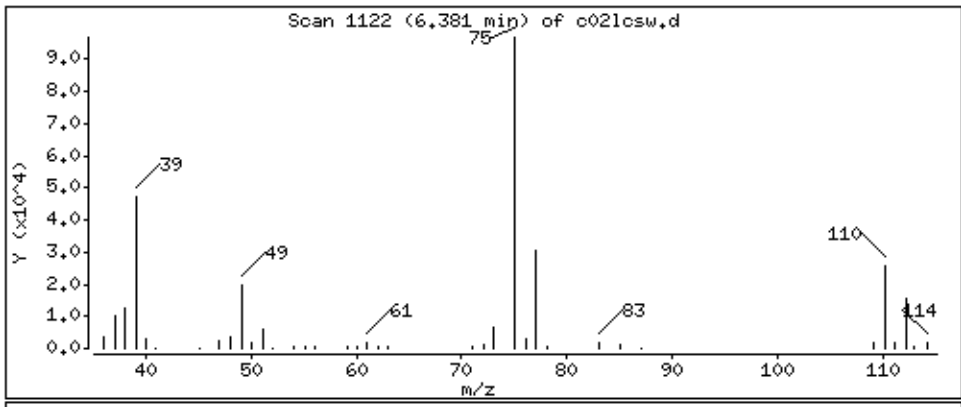
Column phase: DB-624

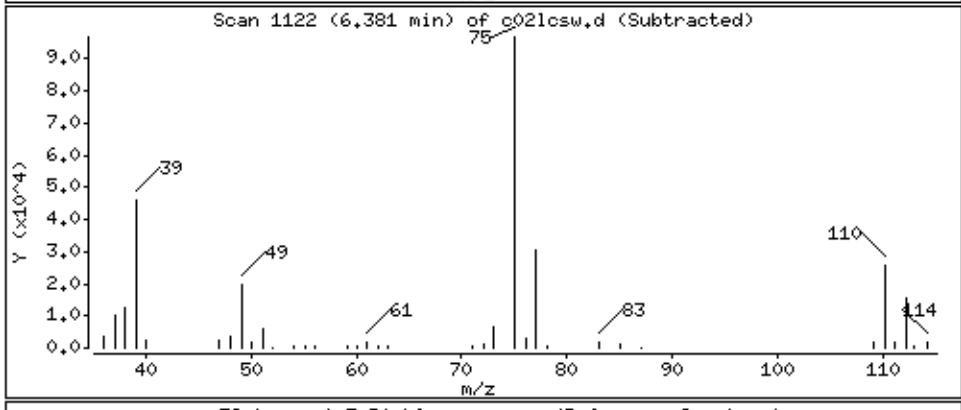
Column diameter: 0.18

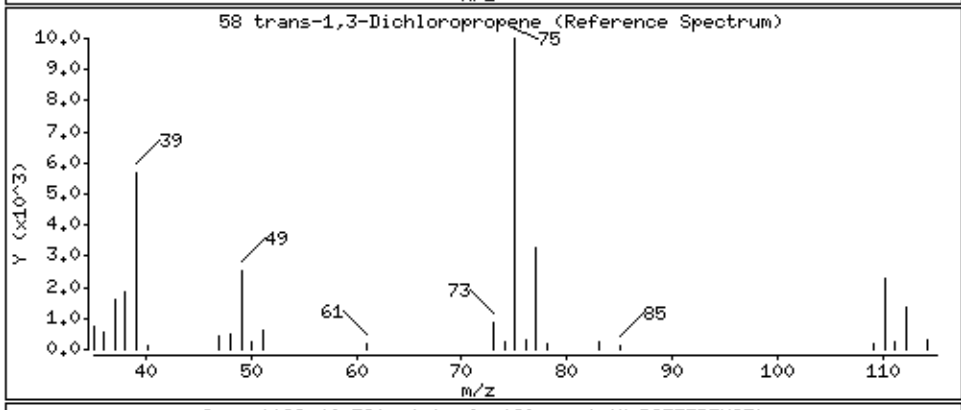
58 trans-1,3-Dichloropropene

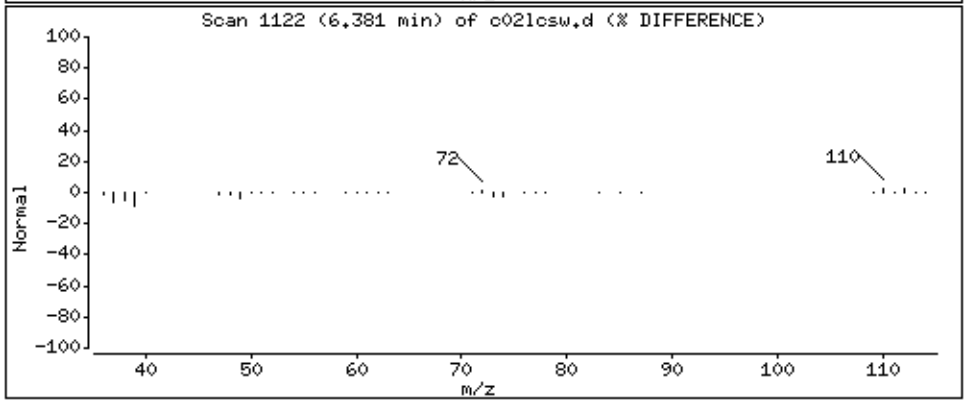
Concentration: 48.9 ppb

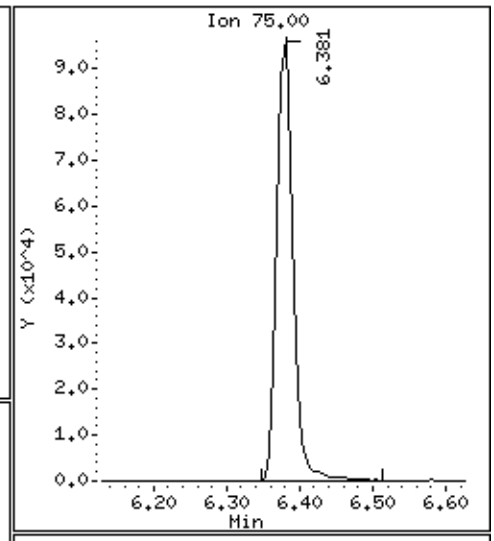
Review Code:

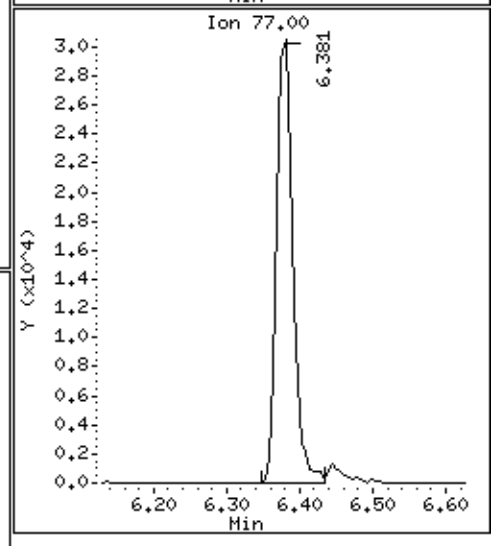












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

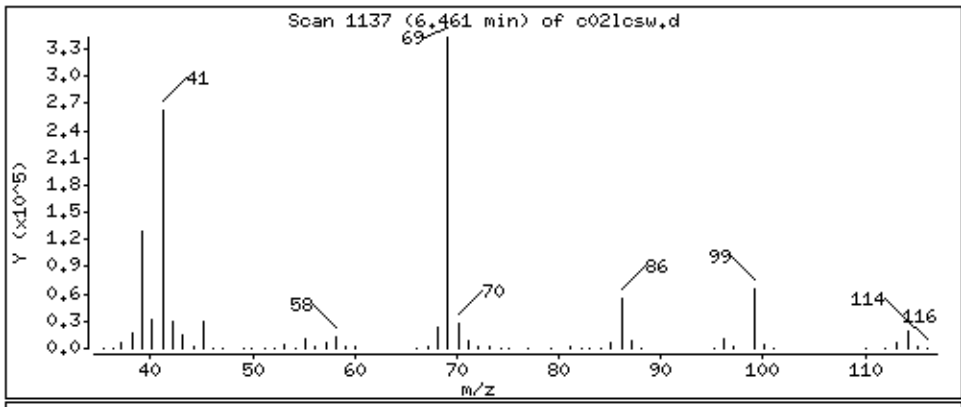
Column phase: DB-624

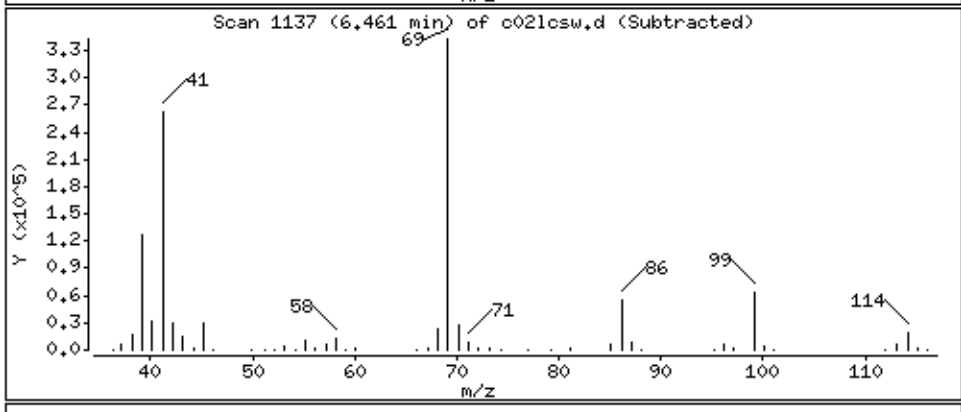
Column diameter: 0.18

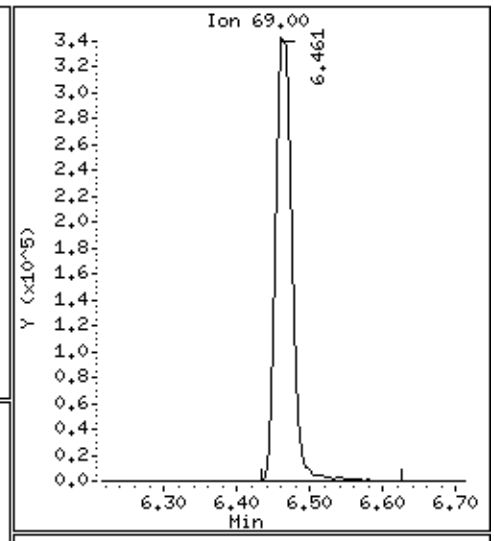
59 Ethyl Methacrylate

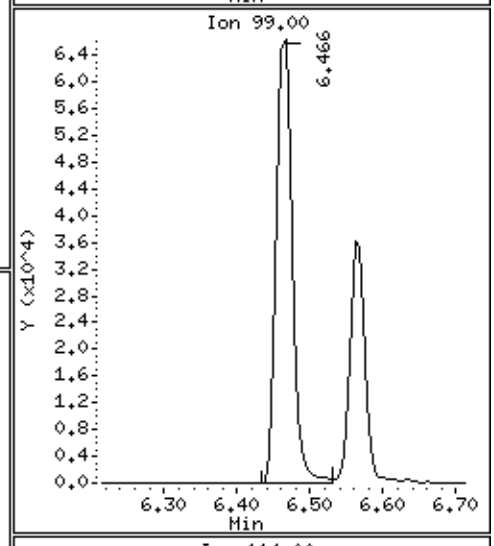
Concentration: 234 ppb

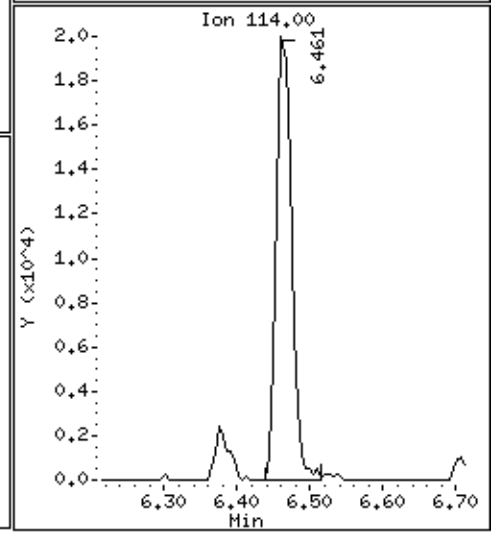
Review Code:











Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

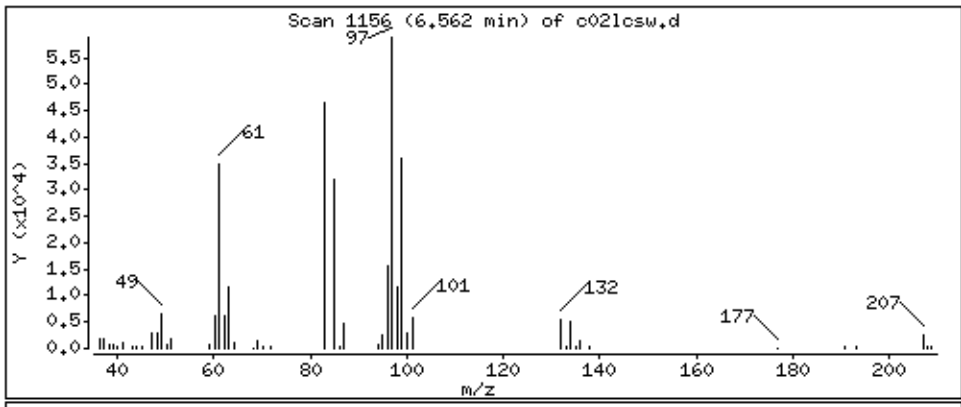
Column phase: DB-624

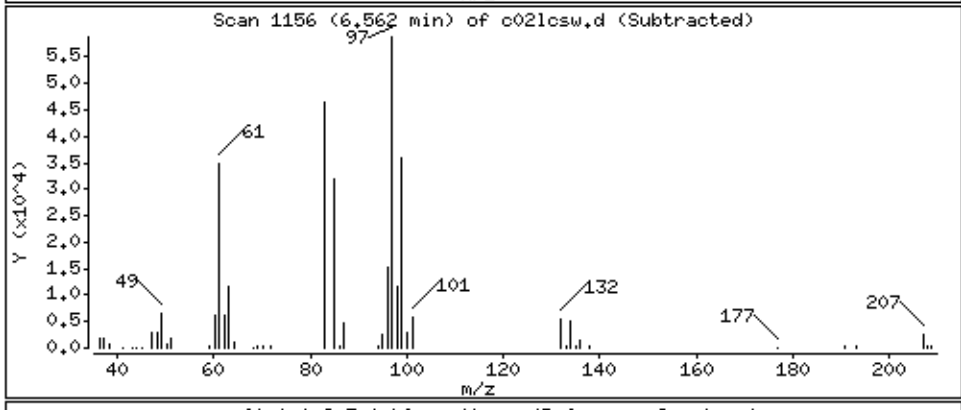
Column diameter: 0.18

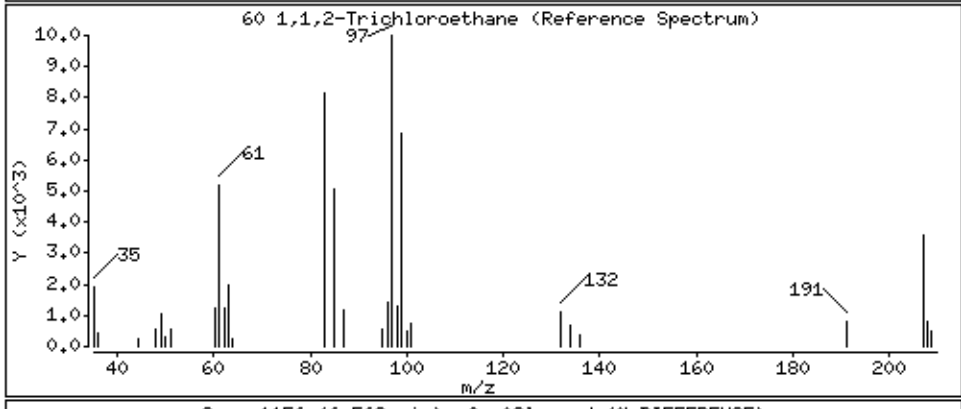
60 1,1,2-Trichloroethane

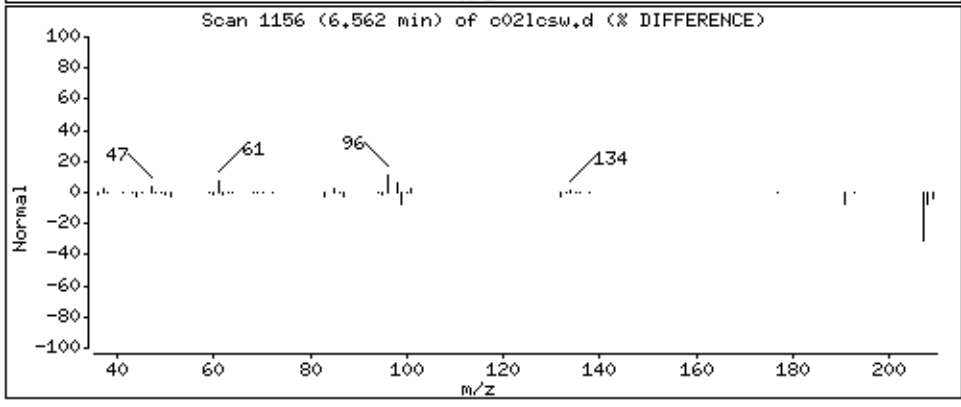
Concentration: 51.1 ppb

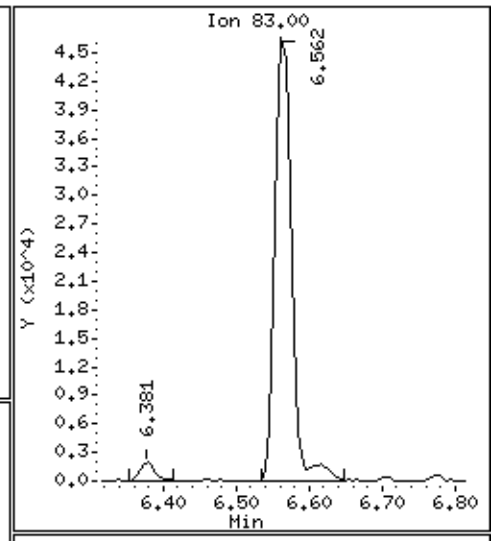
Review Code:

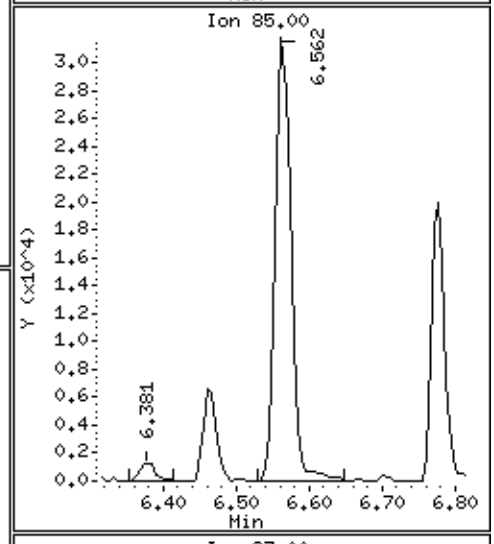


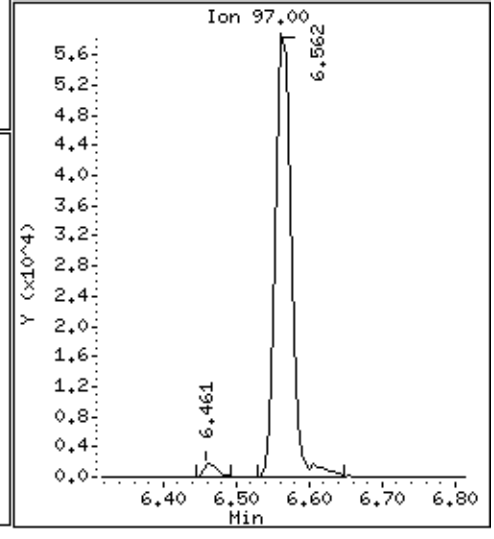












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

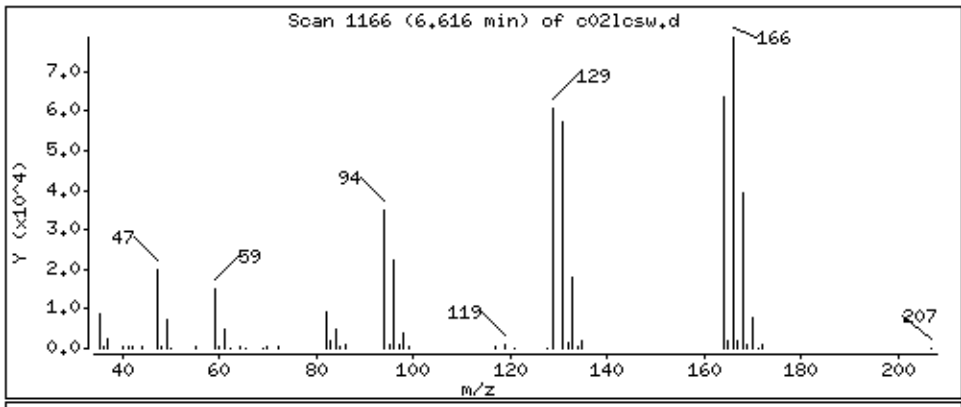
Column phase: DB-624

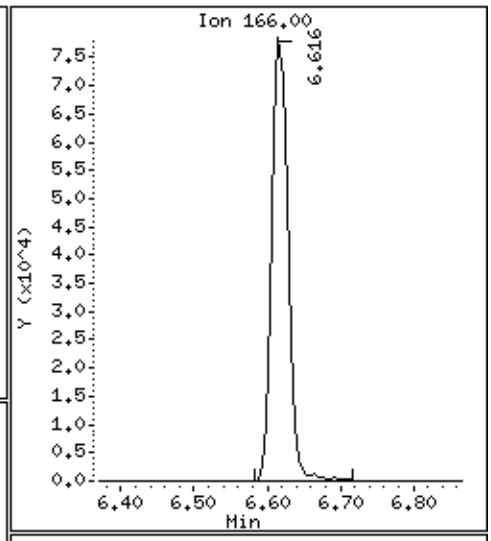
Column diameter: 0.18

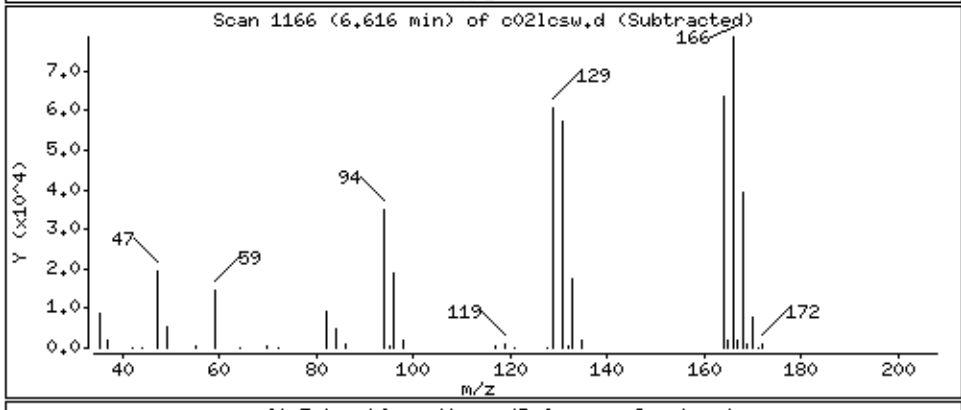
61 Tetrachloroethene

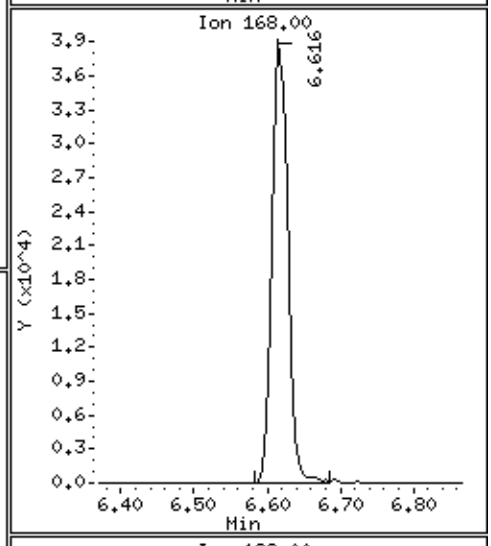
Concentration: 43.5 ppb

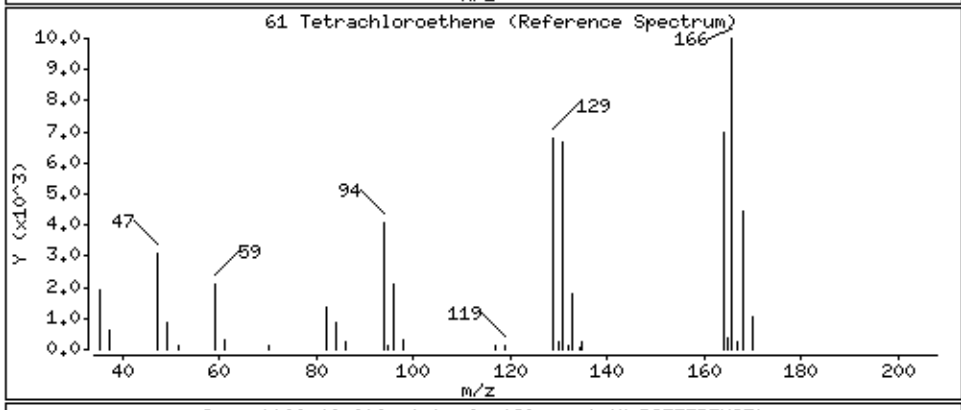
Review Code:

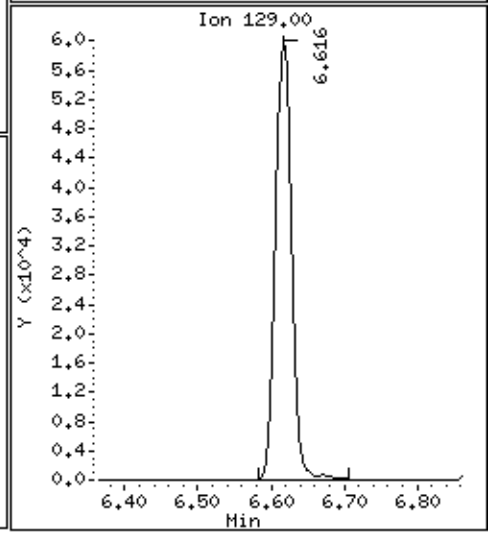


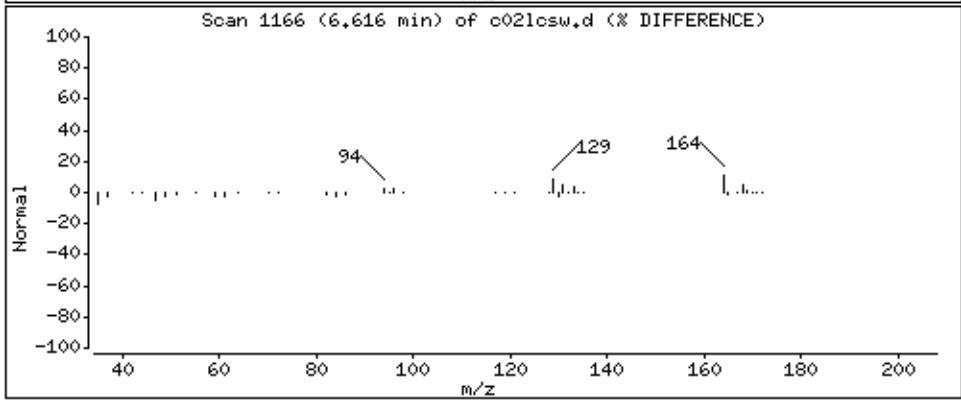












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

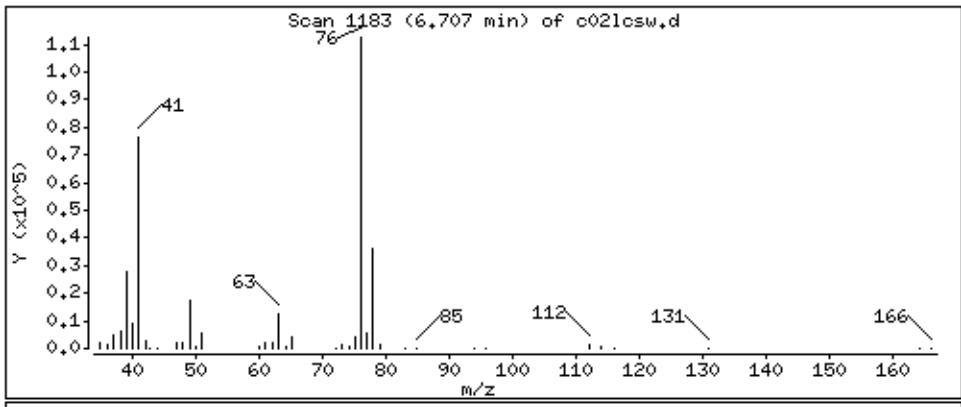
Column phase: DB-624

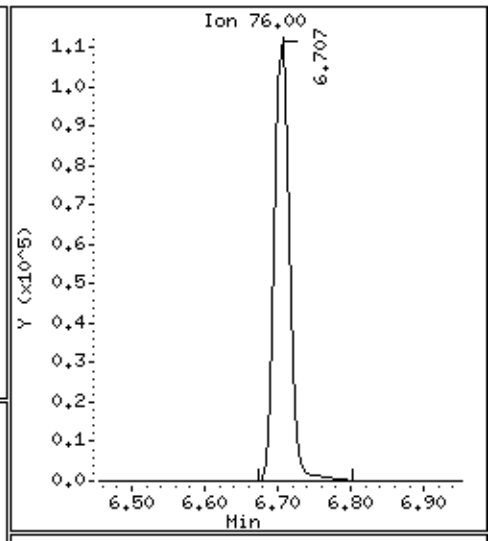
Column diameter: 0.18

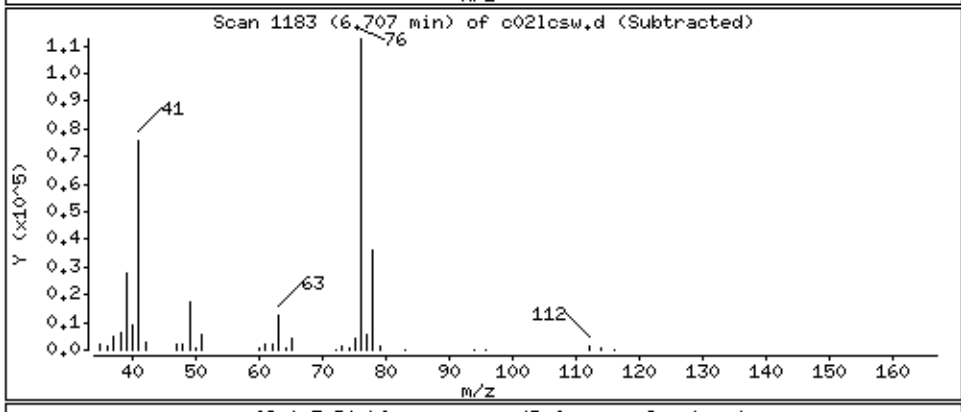
62 1,3-Dichloropropane

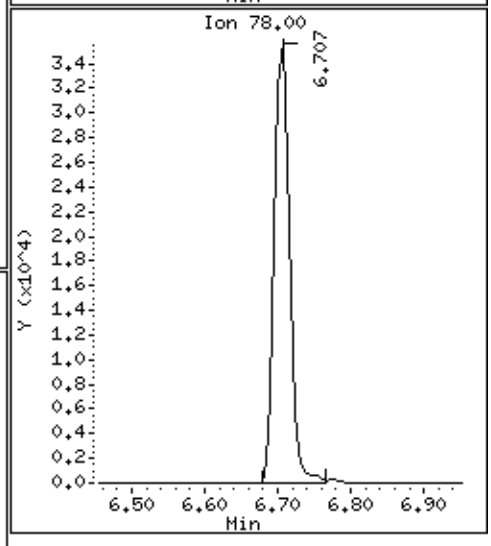
Concentration: 51.8 ppb

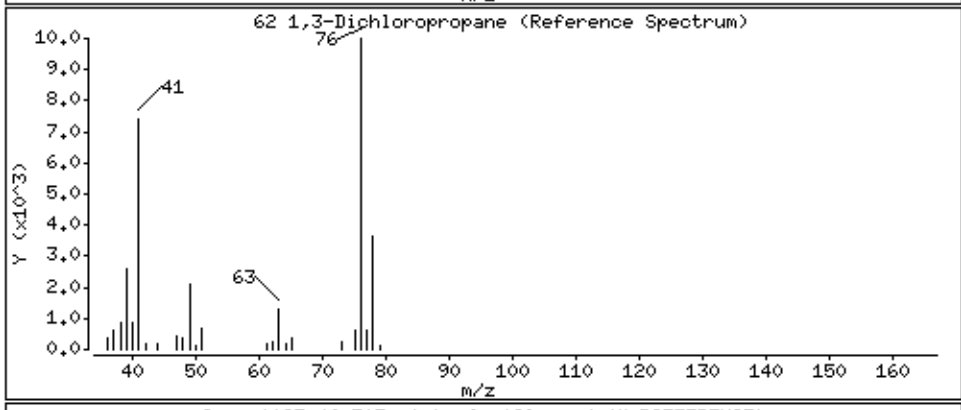
Review Code:

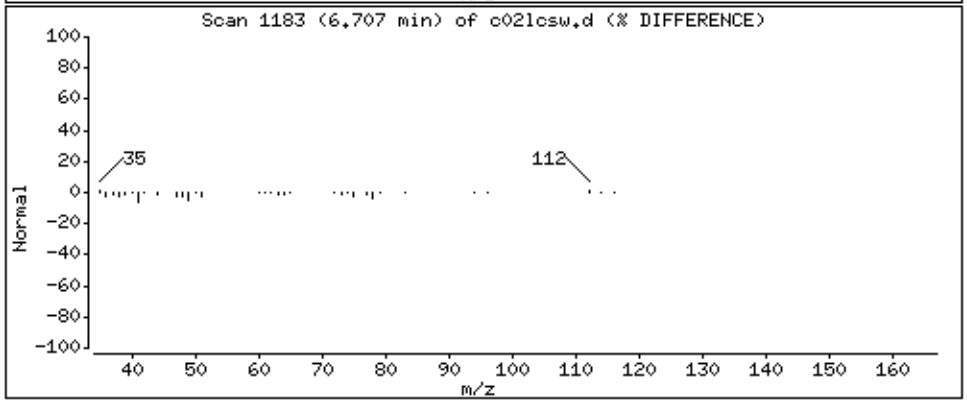












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

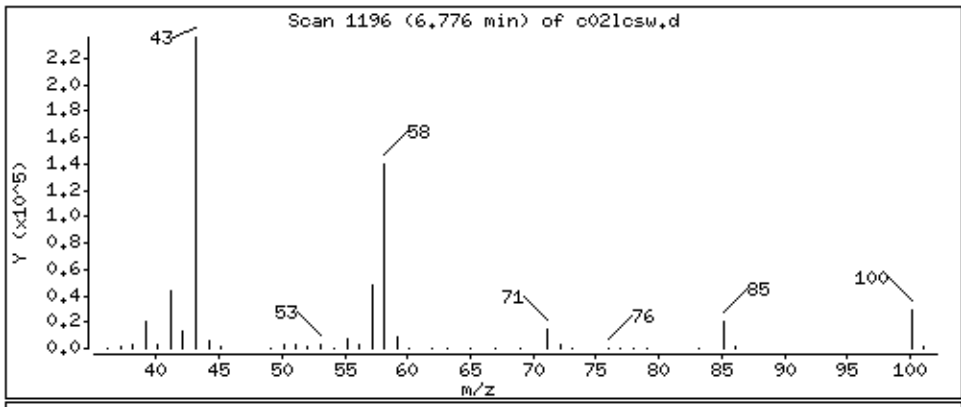
Column phase: DB-624

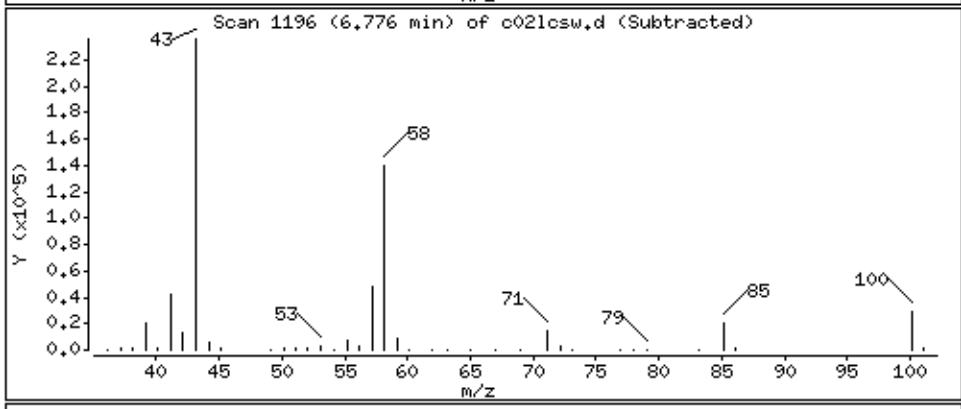
Column diameter: 0.18

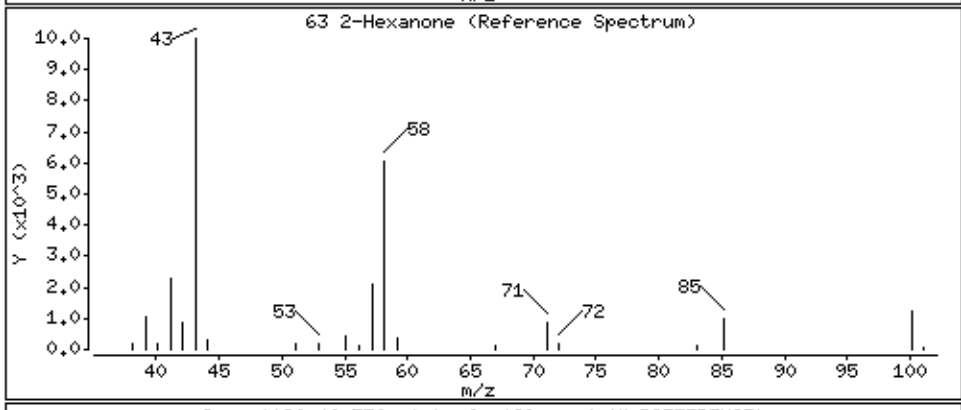
63 2-Hexanone

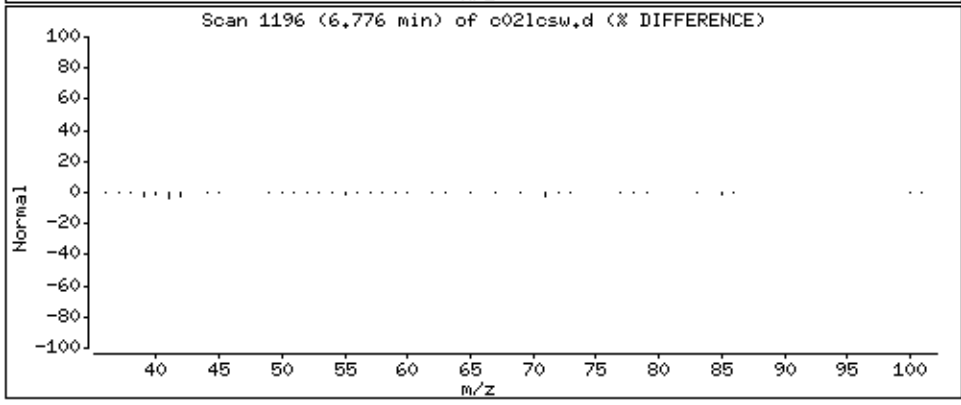
Concentration: 290 ppb

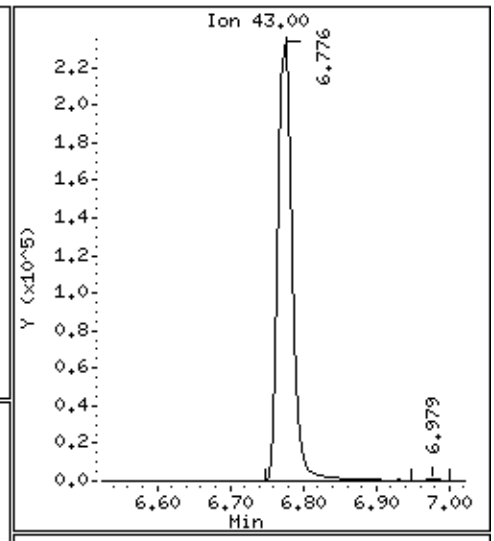
Review Code:

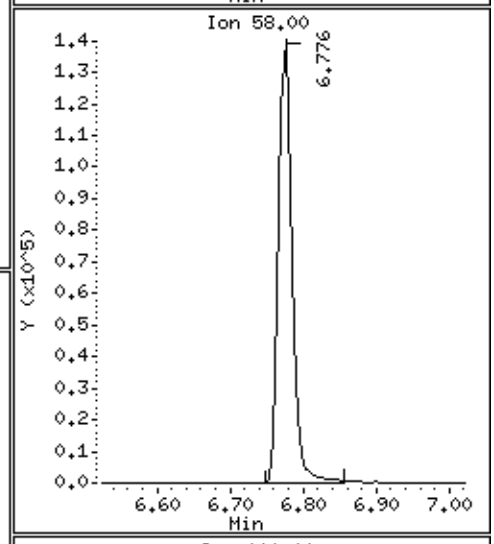


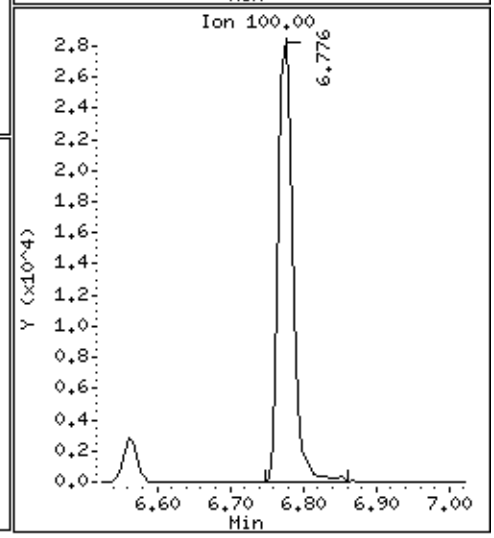












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

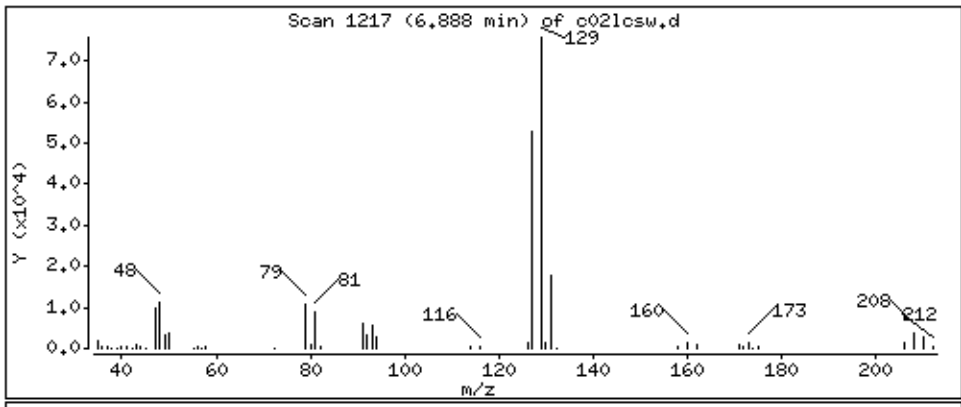
Column phase: DB-624

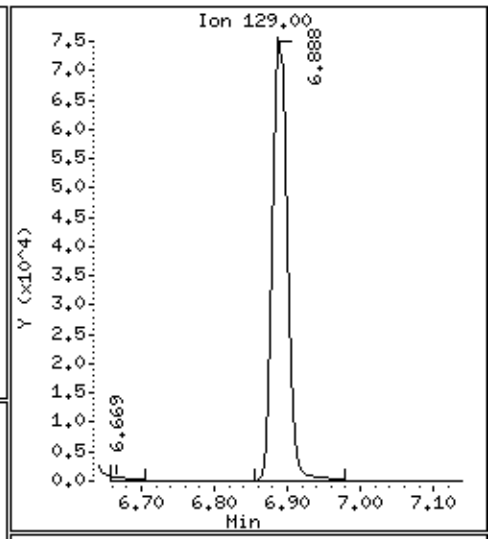
Column diameter: 0.18

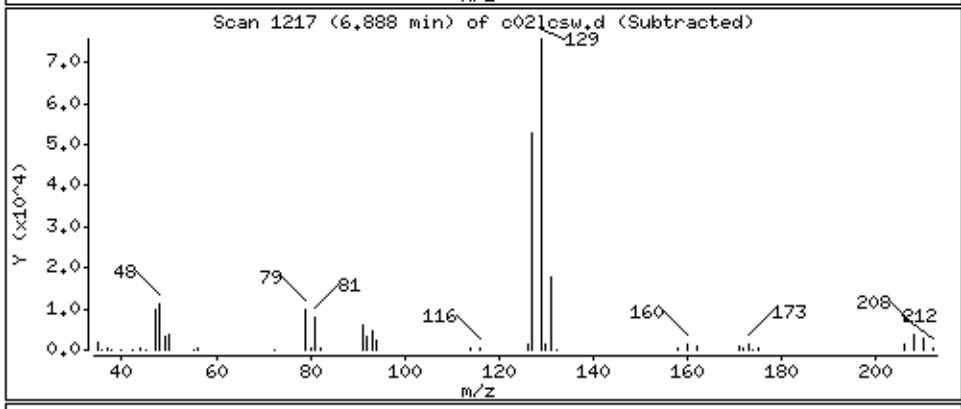
64 Dibromochloromethane

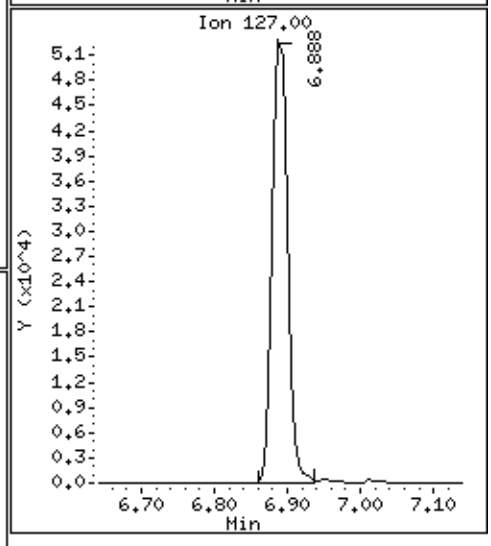
Concentration: 51.7 ppb

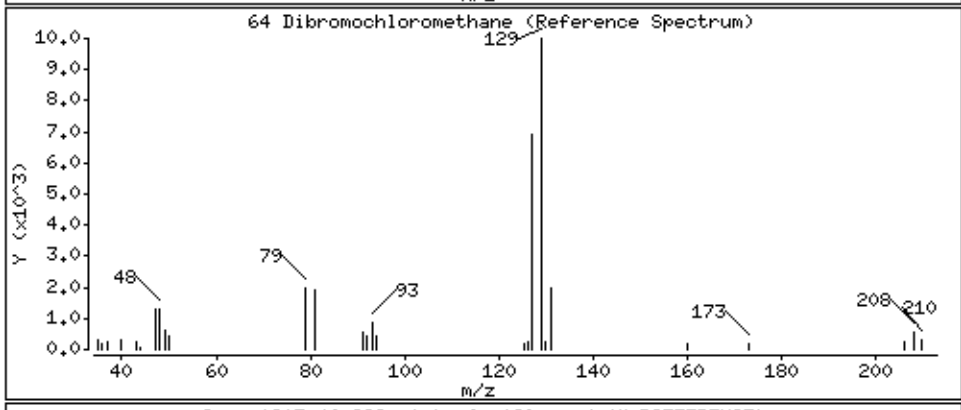
Review Code:

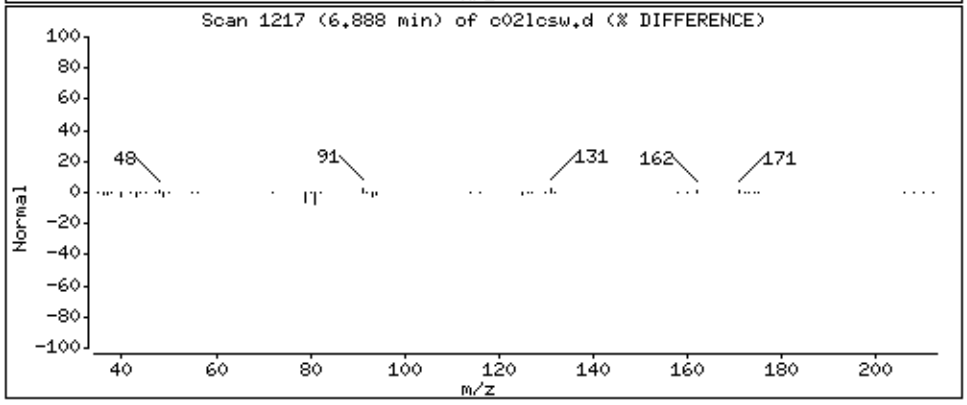












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

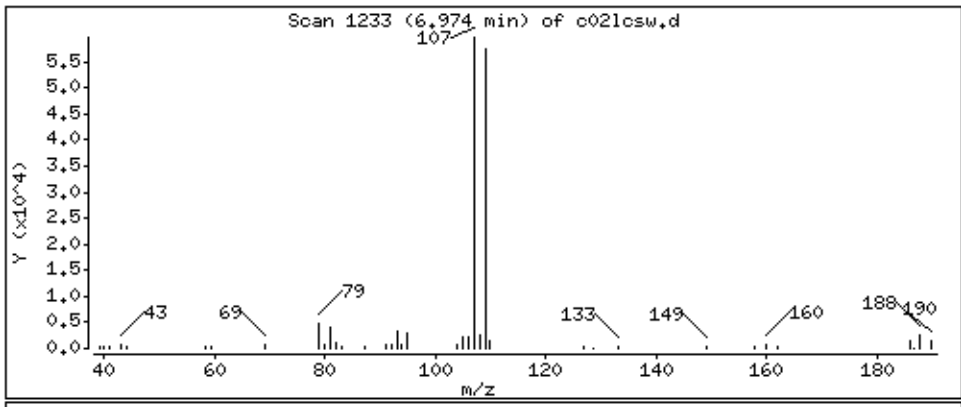
Column phase: DB-624

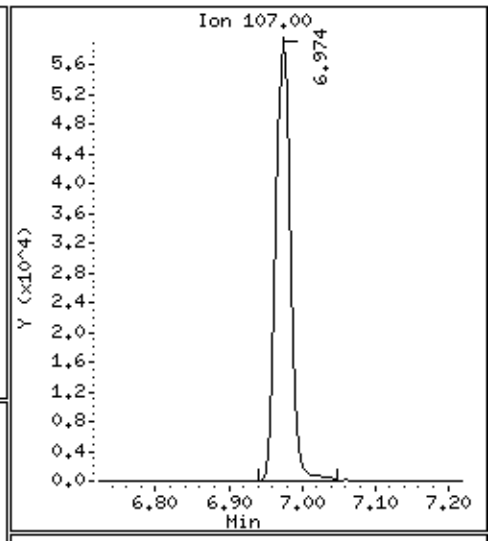
Column diameter: 0.18

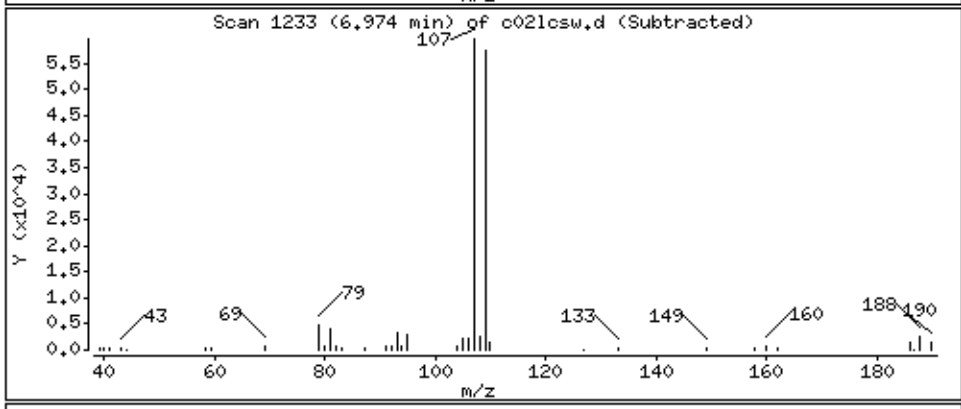
65 1,2-Dibromoethane

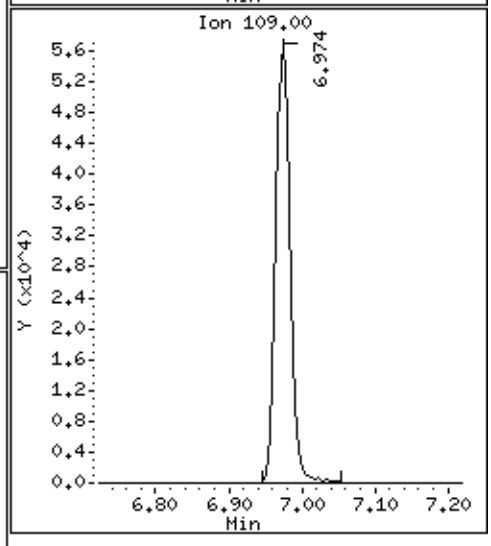
Concentration: 52.3 ppb

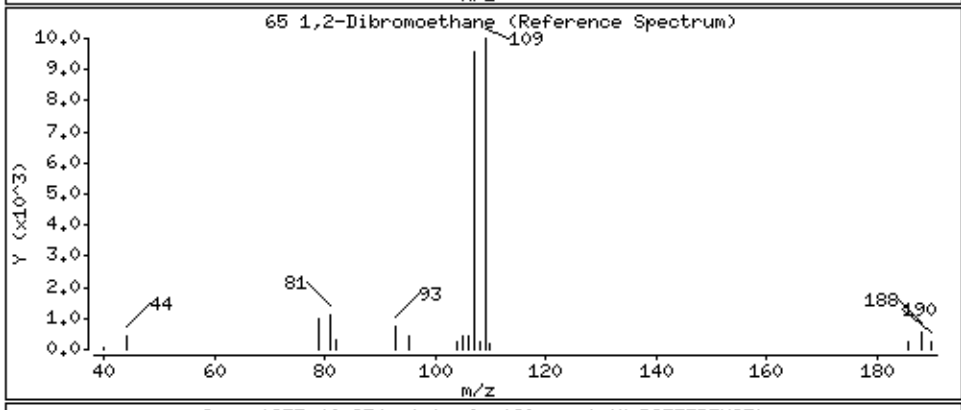
Review Code:

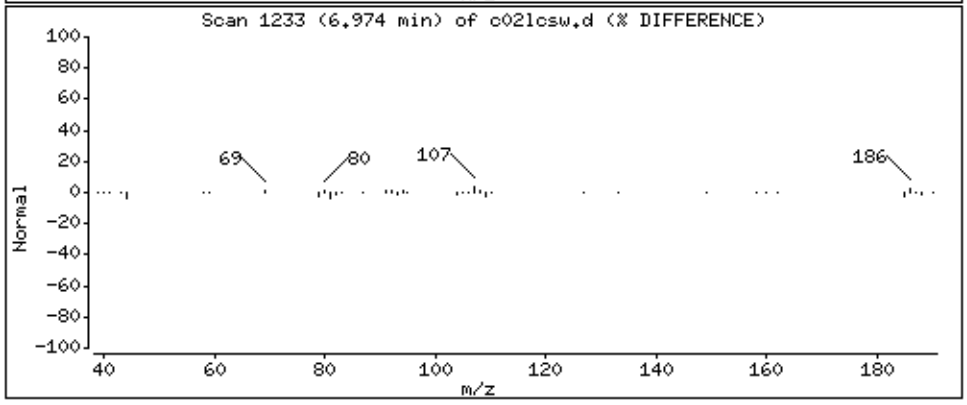












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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

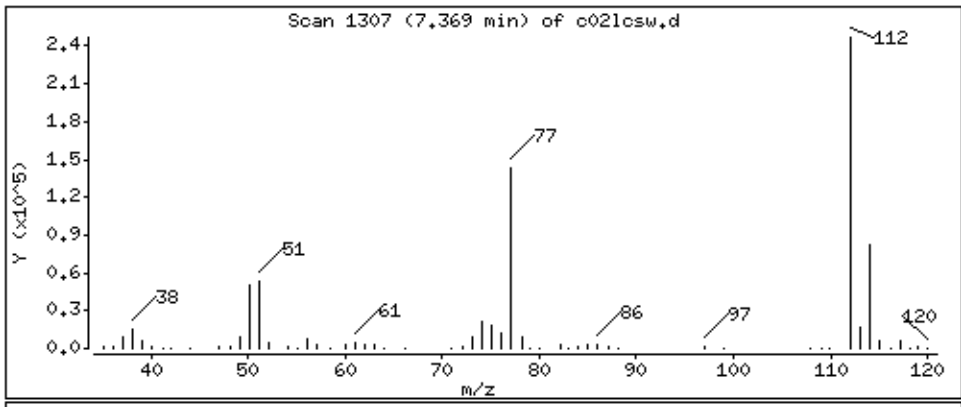
Column phase: DB-624

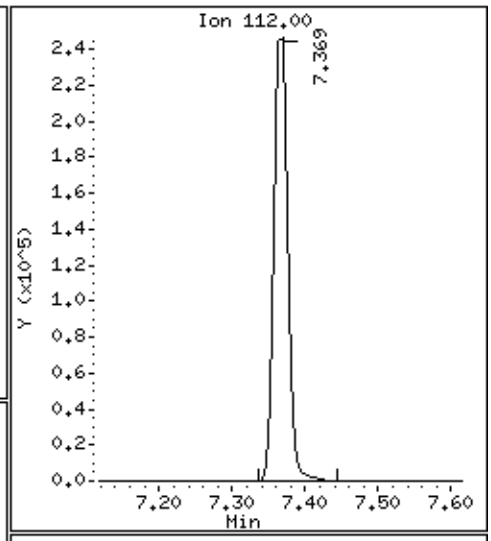
Column diameter: 0.18

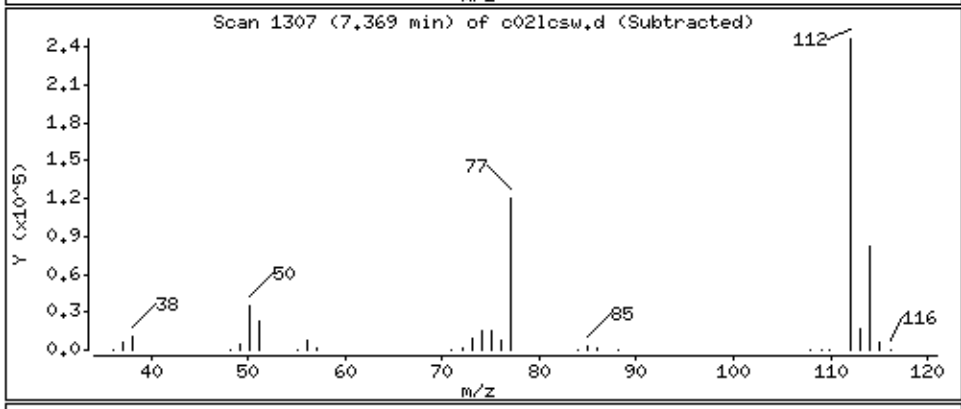
67 Chlorobenzene

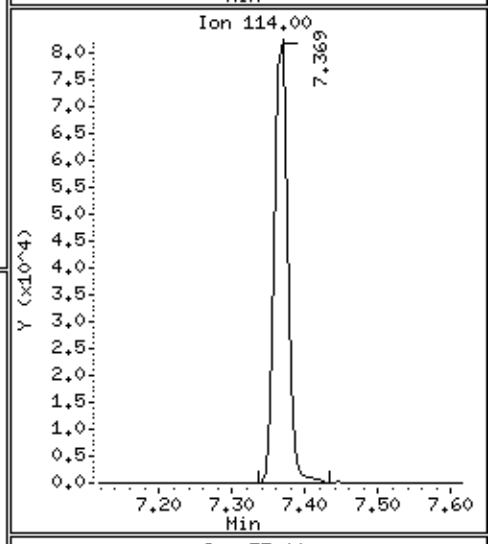
Concentration: 46.4 ppb

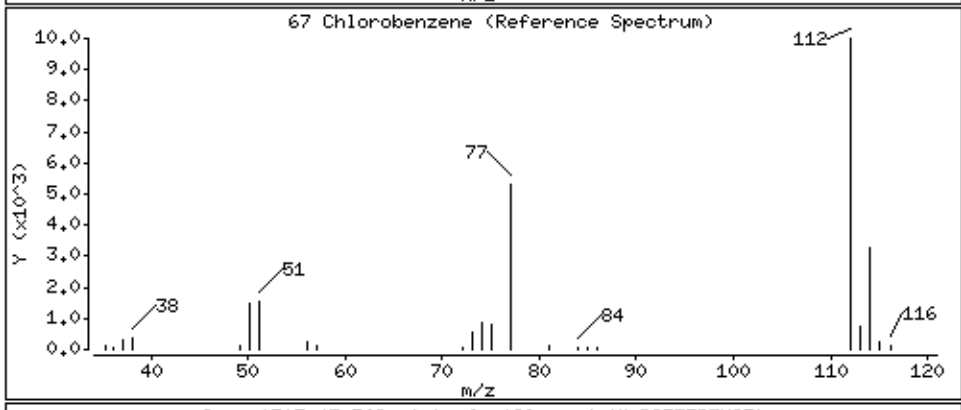
Review Code:

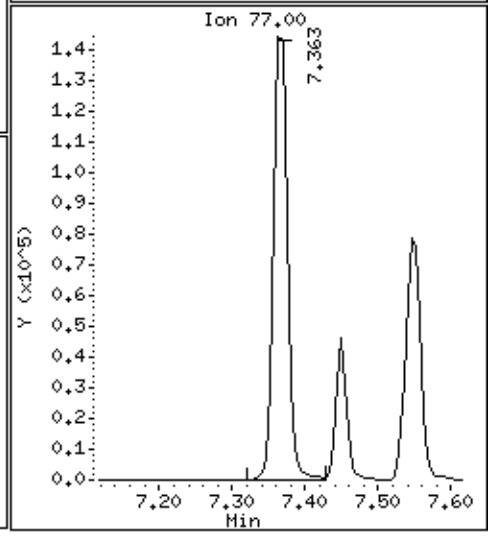


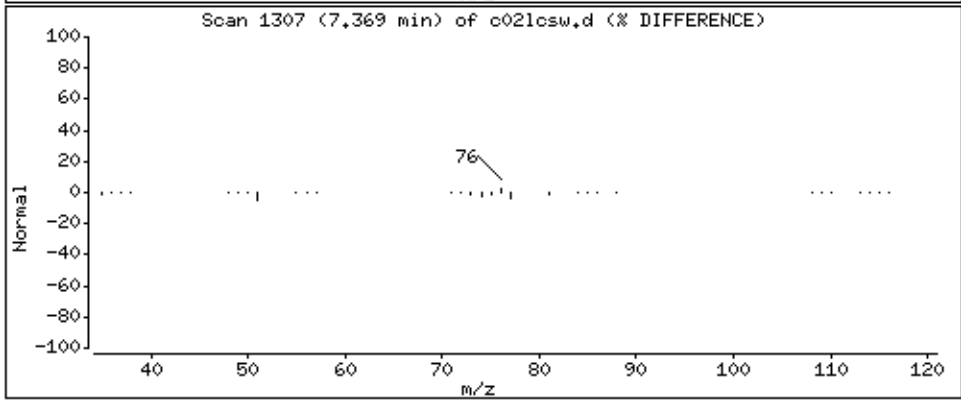












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

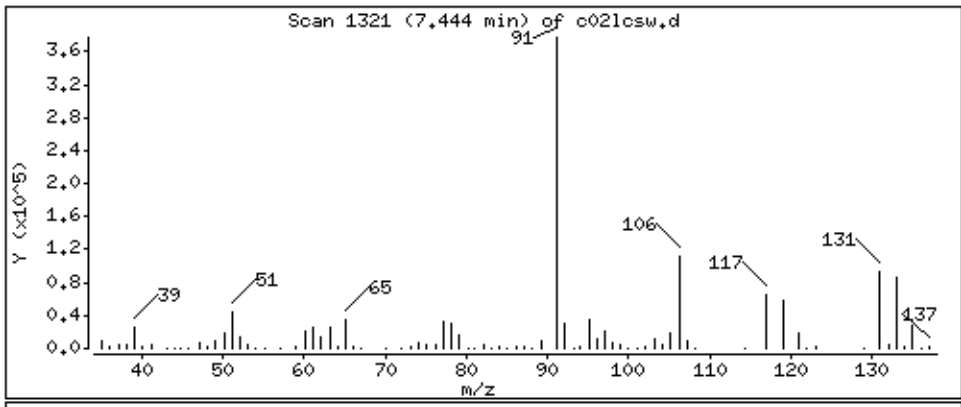
Column phase: DB-624

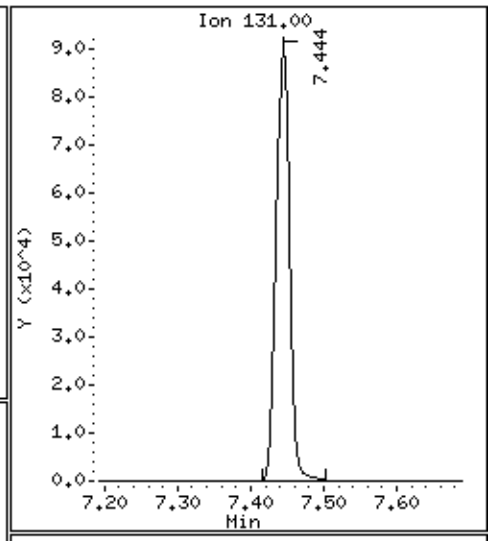
Column diameter: 0.18

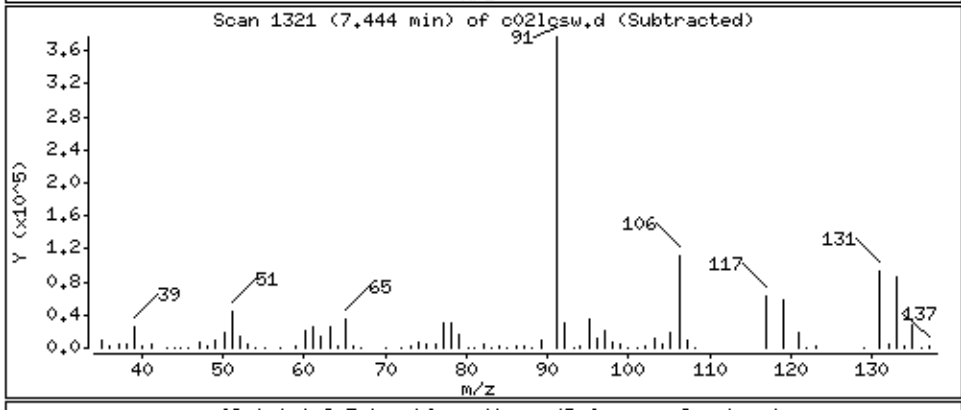
68 1,1,1,2-Tetrachloroethane

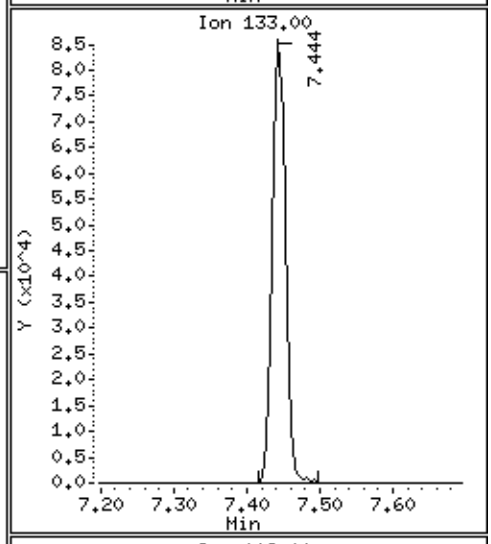
Concentration: 52.2 ppb

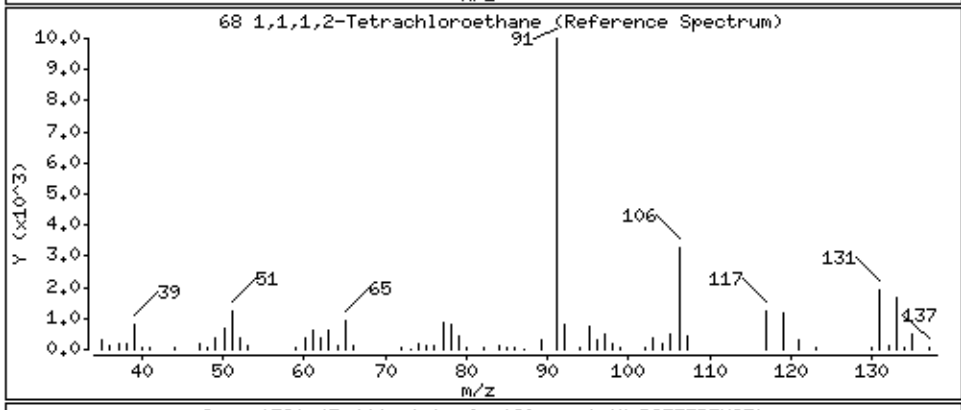
Review Code:

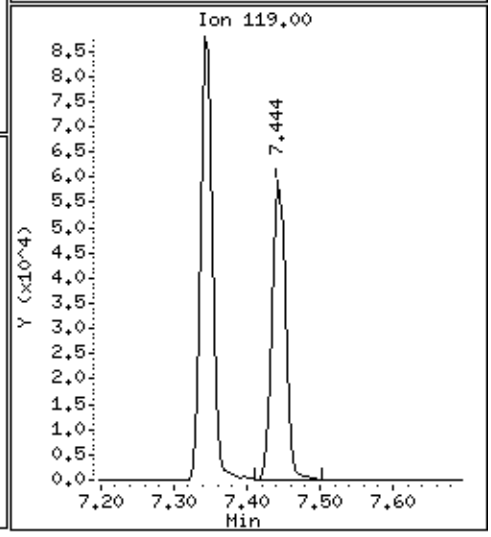


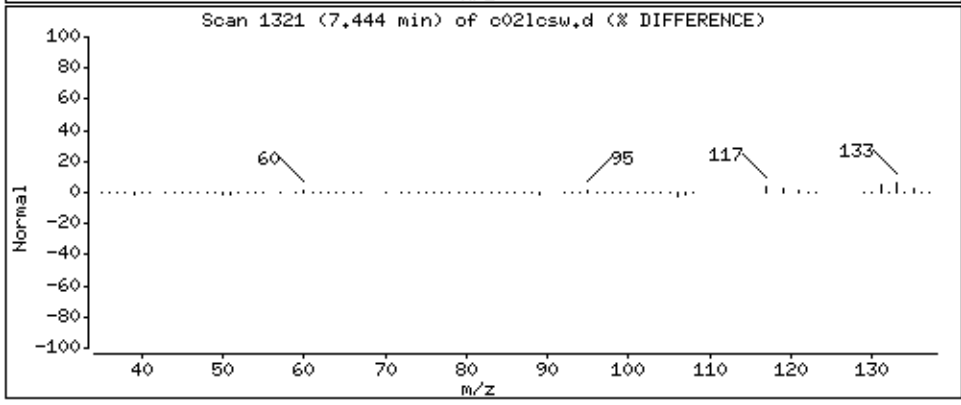












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

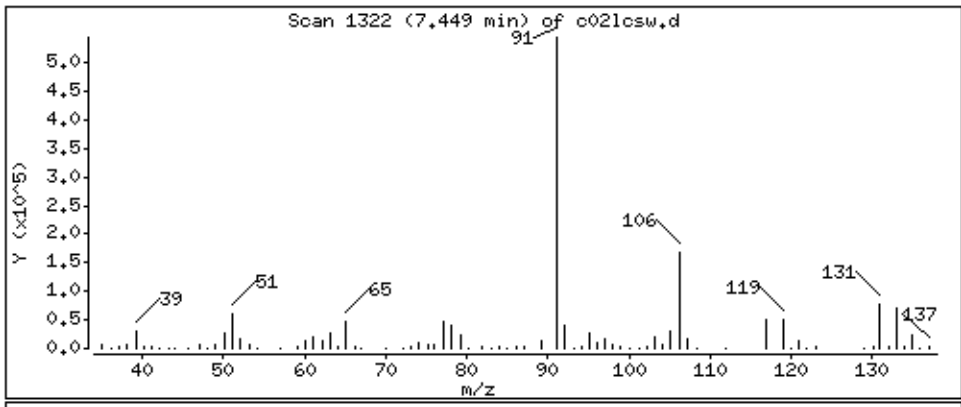
Column phase: DB-624

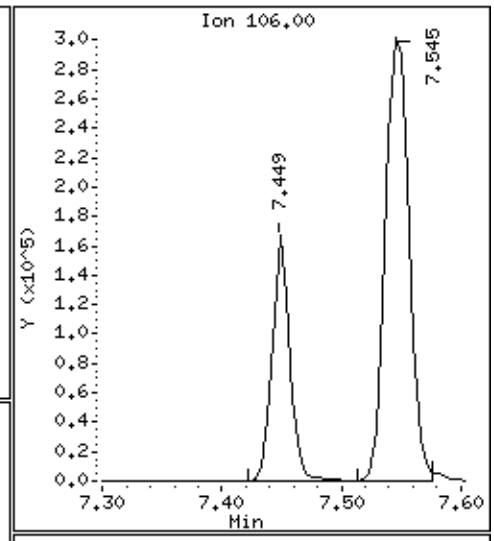
Column diameter: 0.18

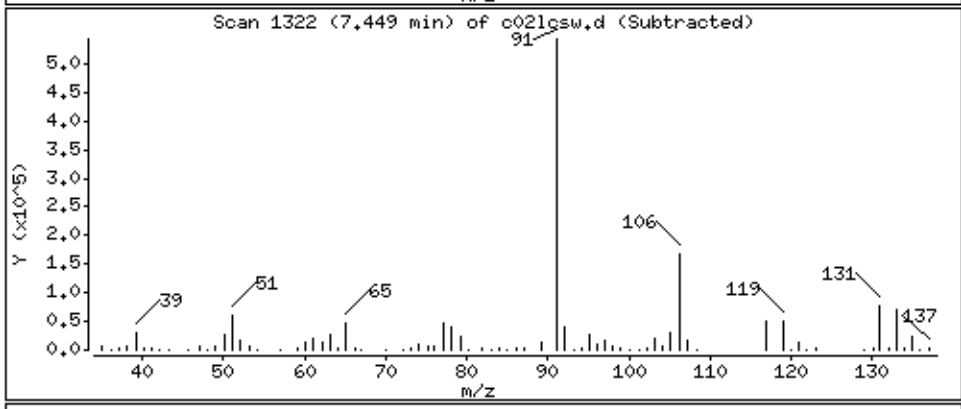
69 Ethylbenzene

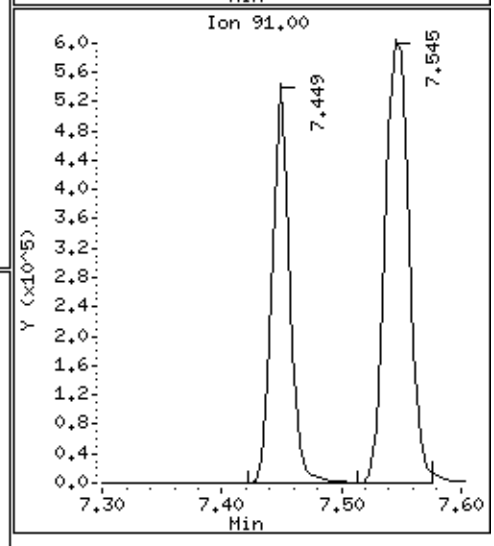
Concentration: 49.4 ppb

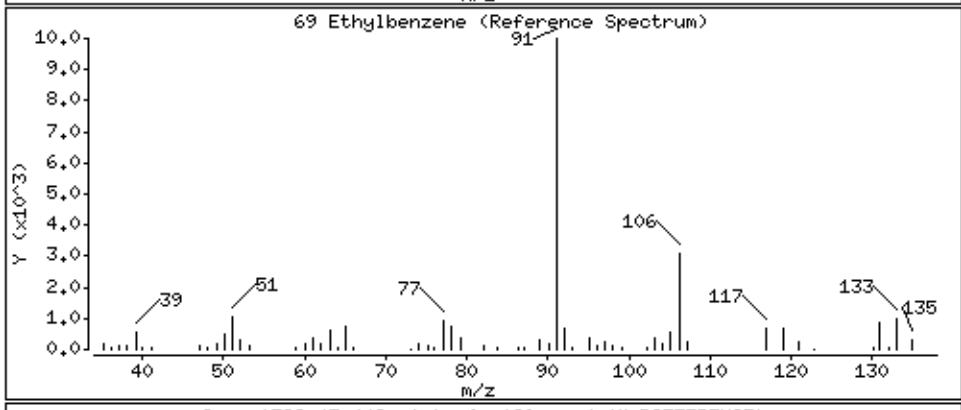
Review Code:

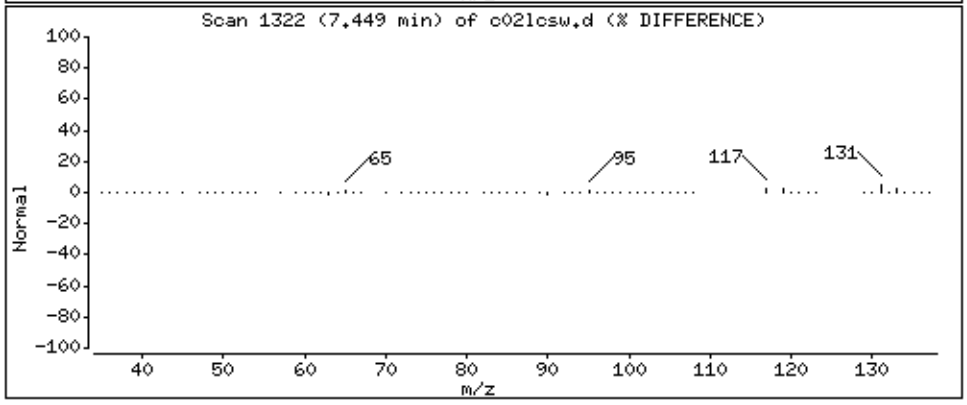












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

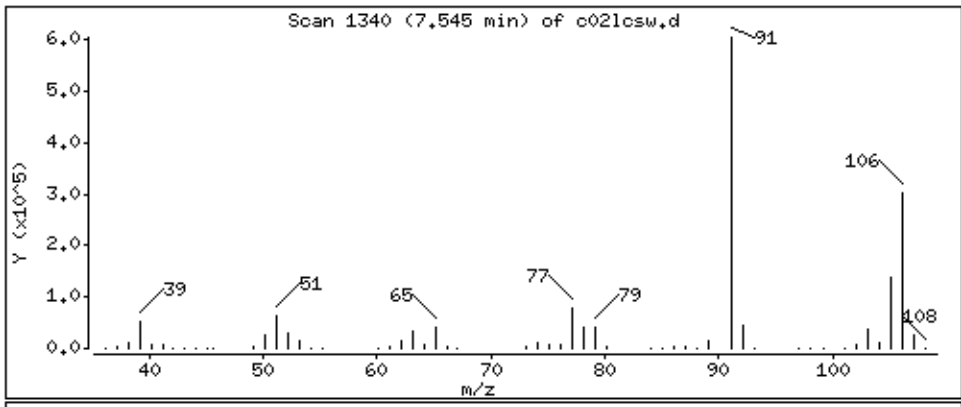
Column phase: DB-624

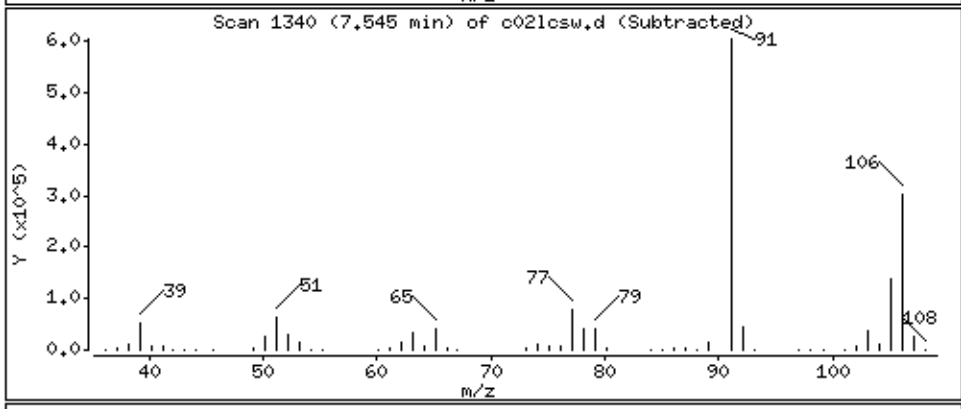
Column diameter: 0.18

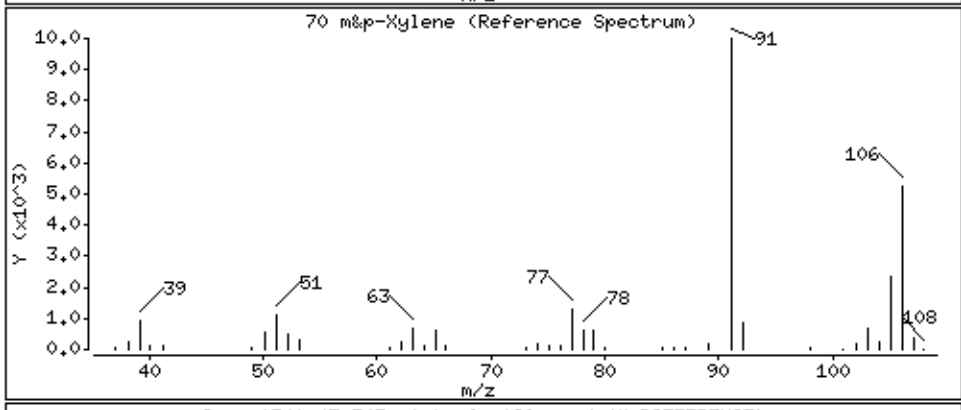
70 m&p-Xylene

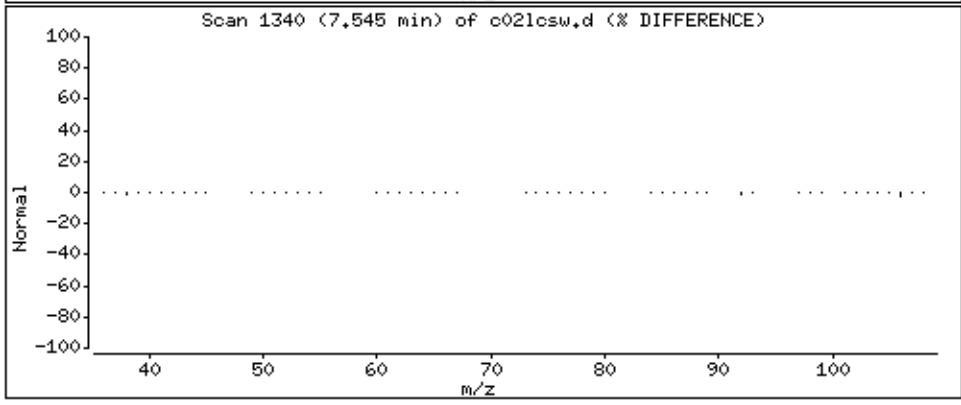
Concentration: 99.7 ppb

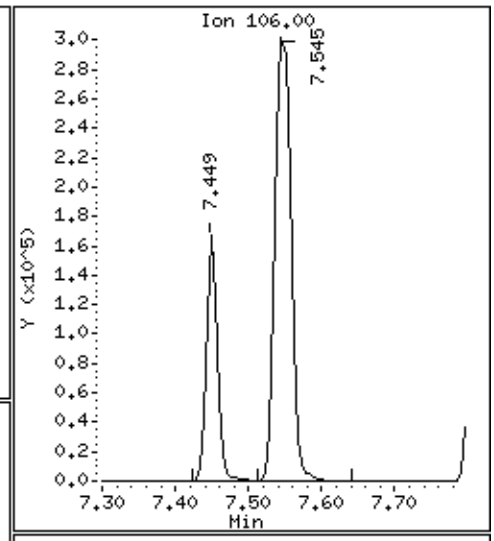
Review Code:

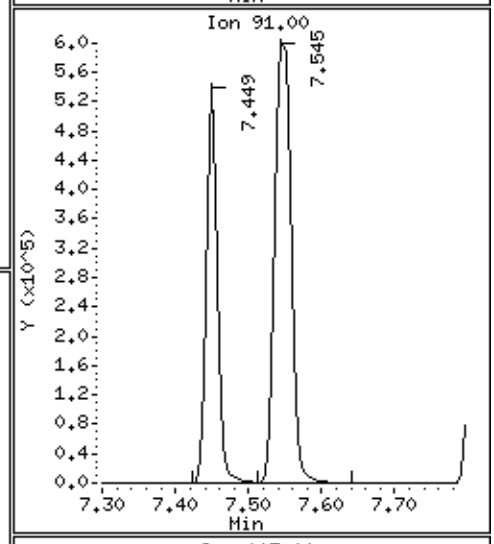


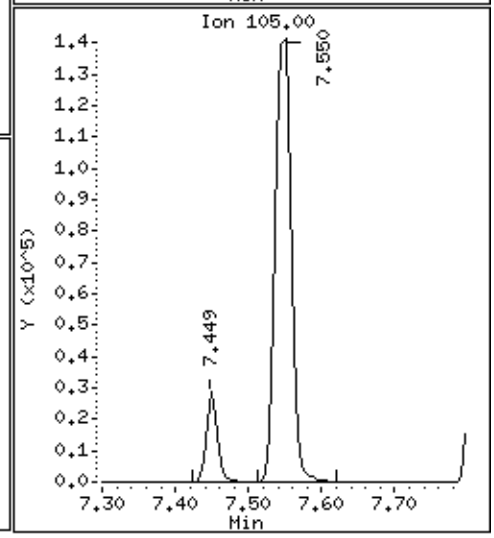












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

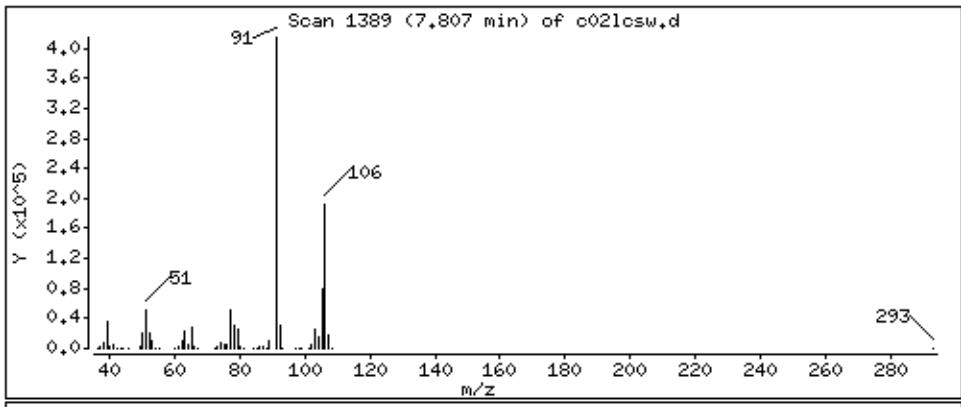
Column phase: DB-624

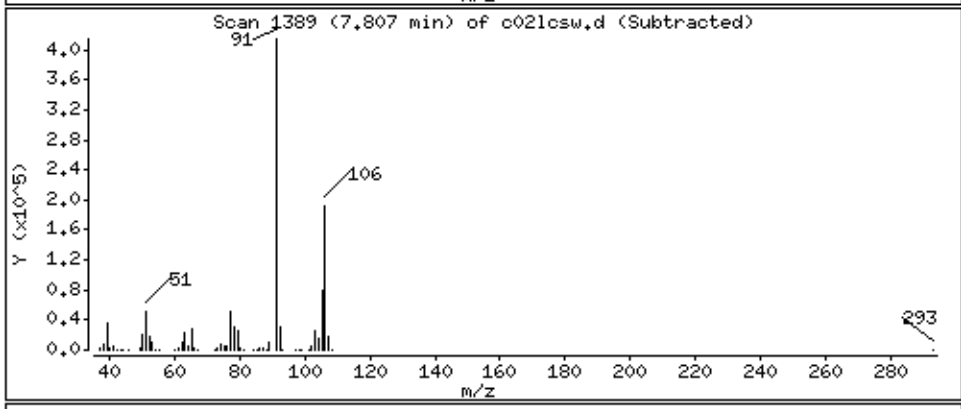
Column diameter: 0.18

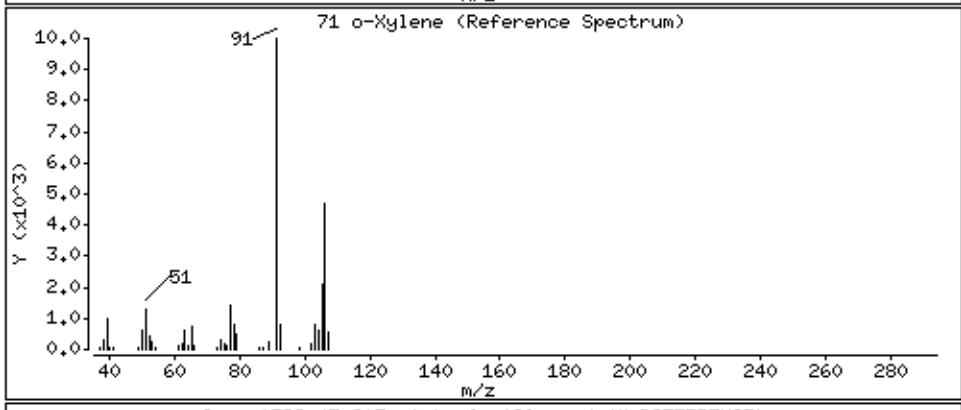
71 o-Xylene

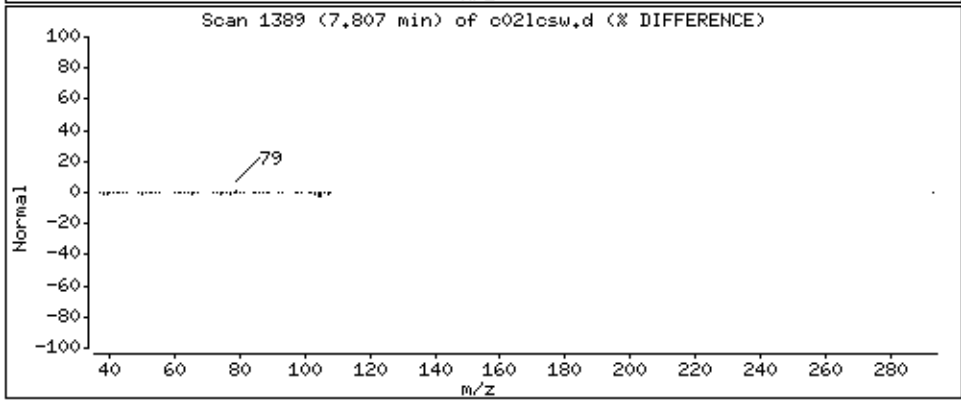
Concentration: 51.3 ppb

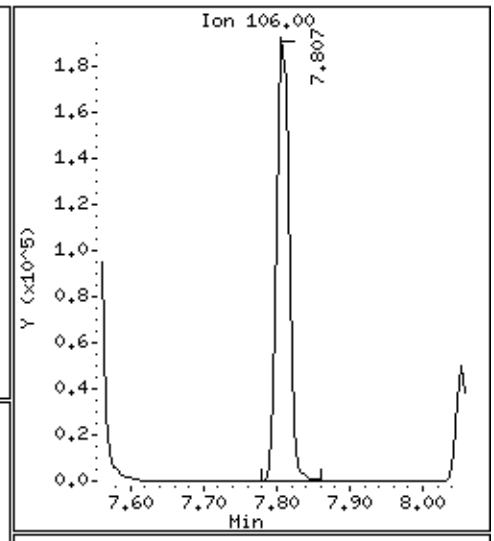
Review Code:

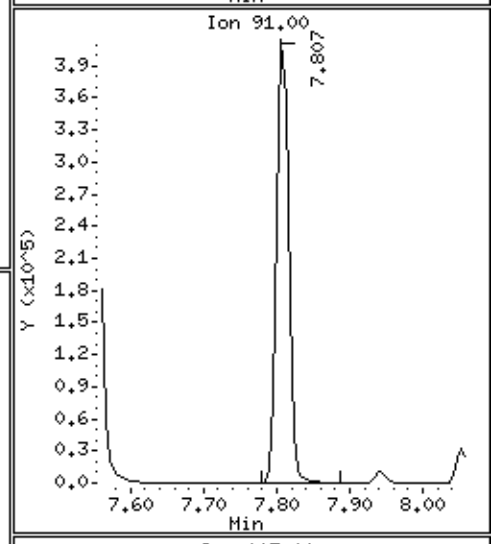


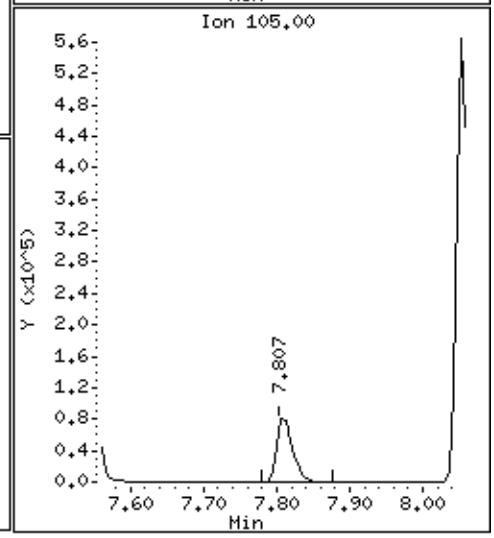












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

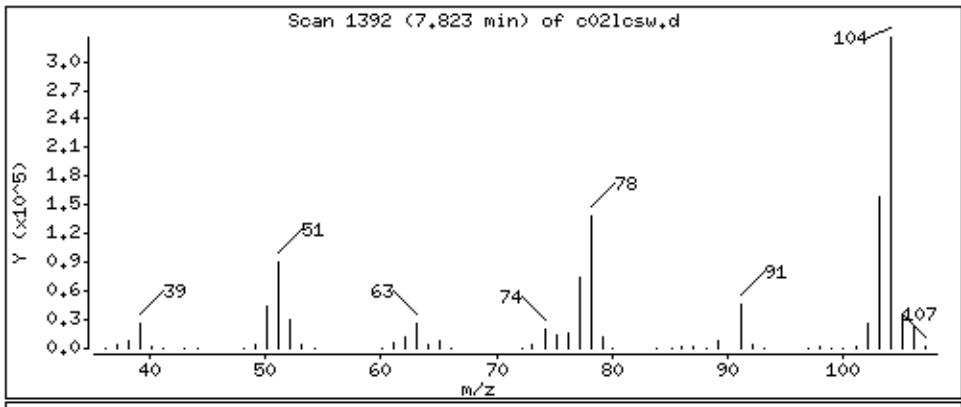
Column phase: DB-624

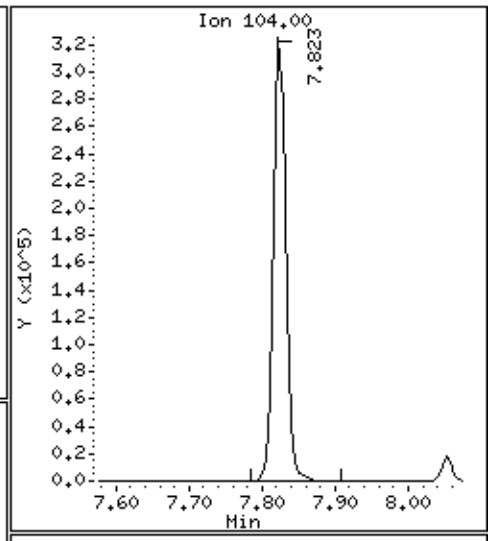
Column diameter: 0.18

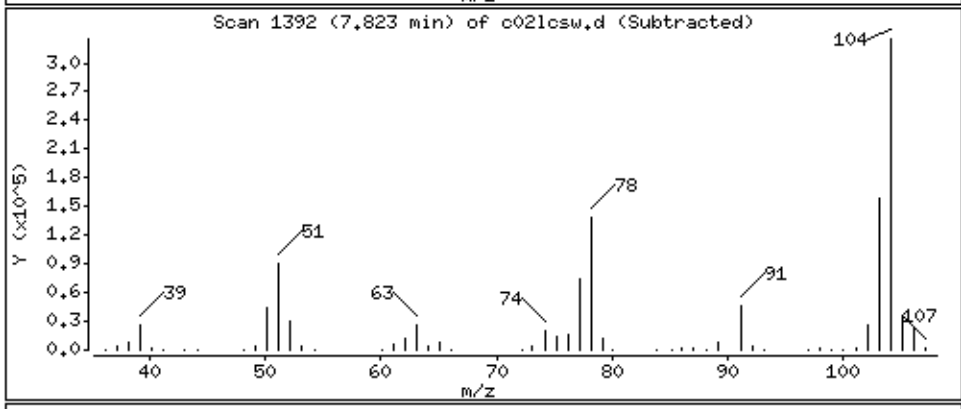
72 Styrene

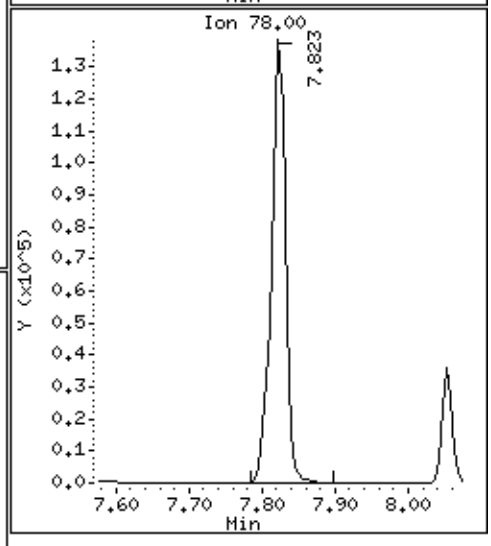
Concentration: 53.6 ppb

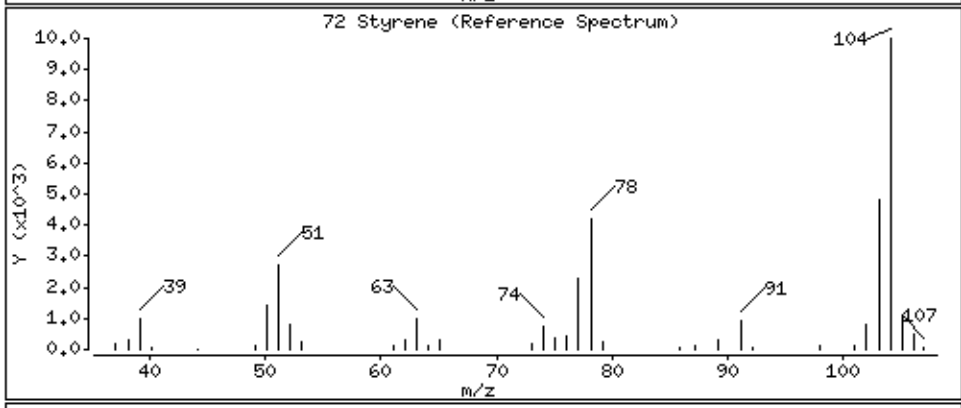
Review Code:

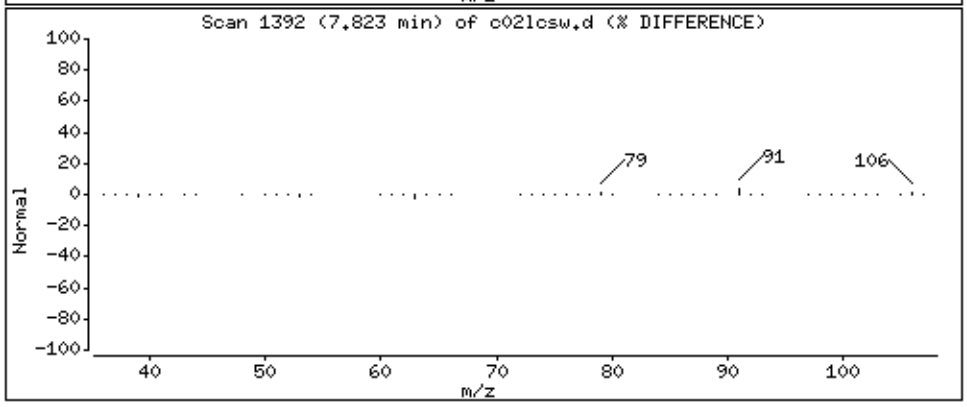












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

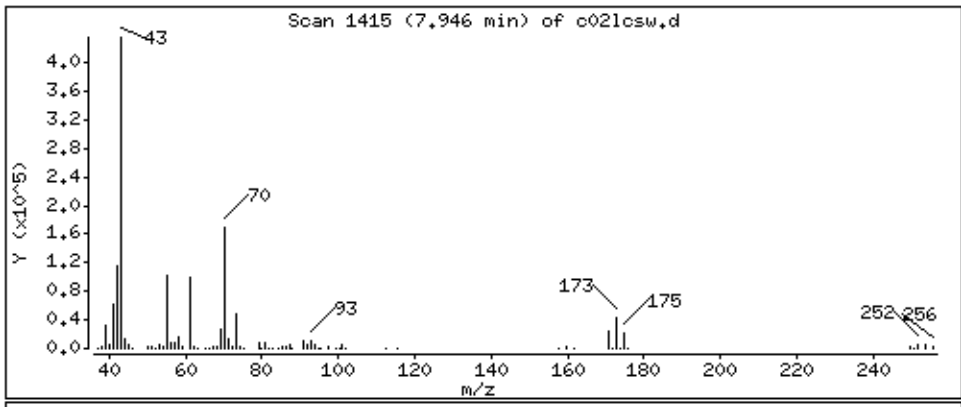
Column phase: DB-624

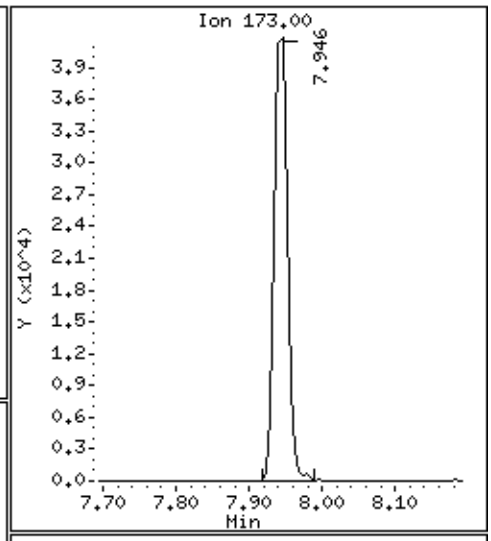
Column diameter: 0.18

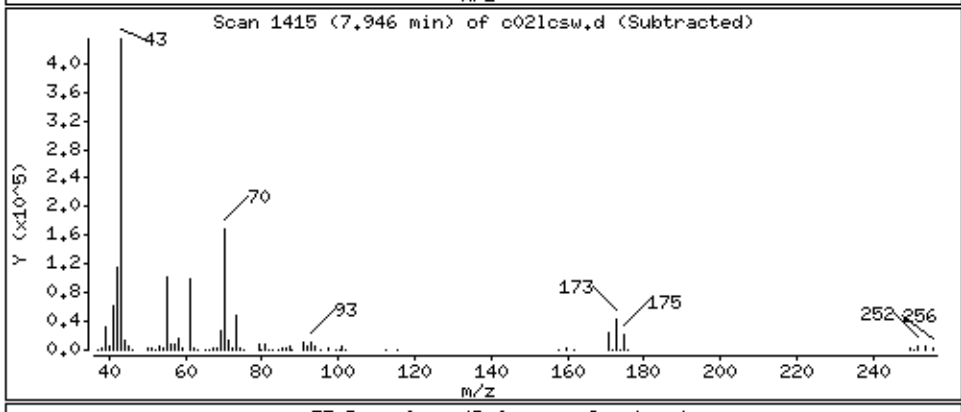
73 Bromoform

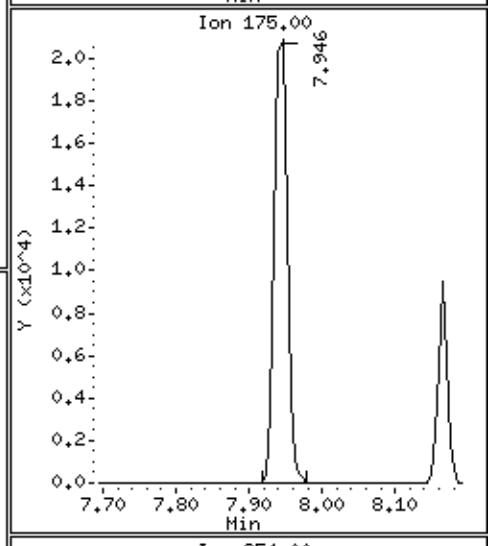
Concentration: 49.2 ppb

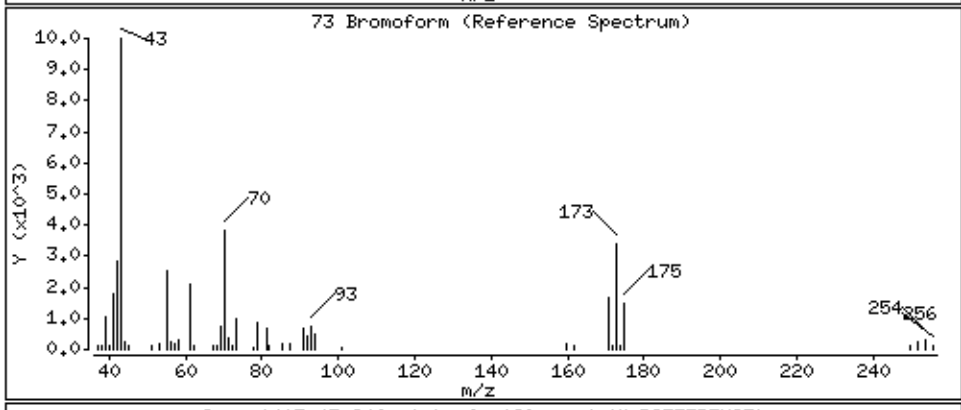
Review Code:

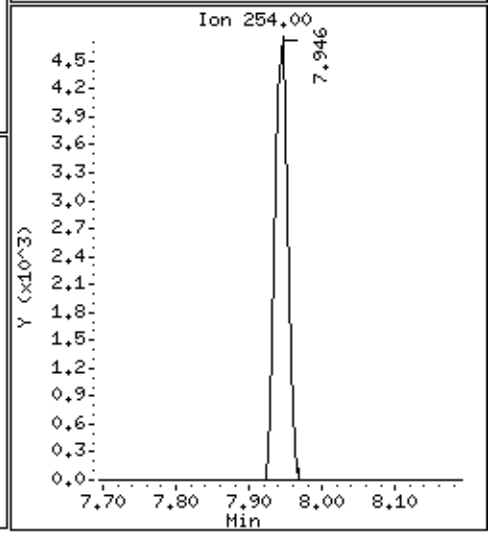


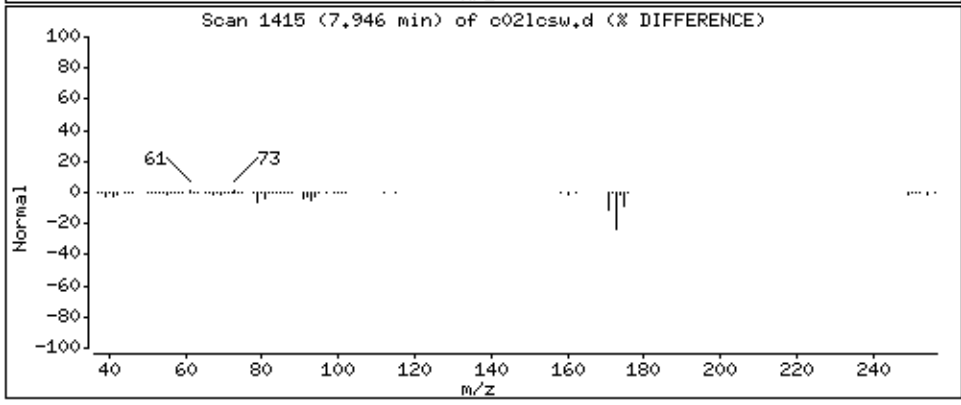












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

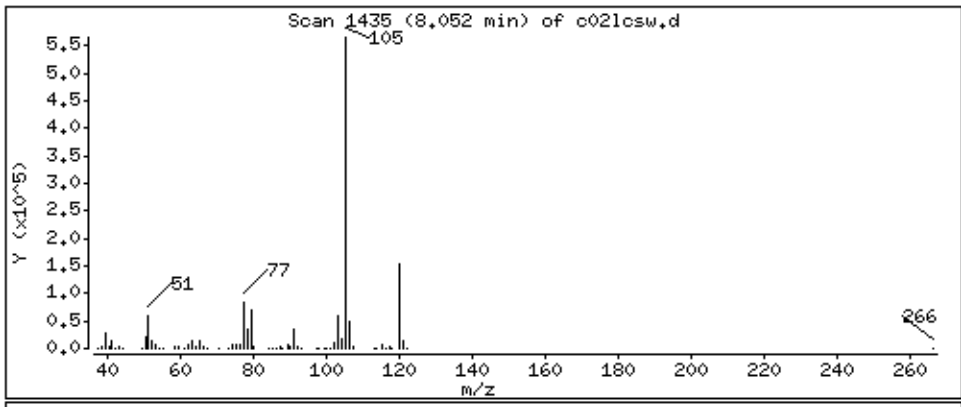
Column phase: DB-624

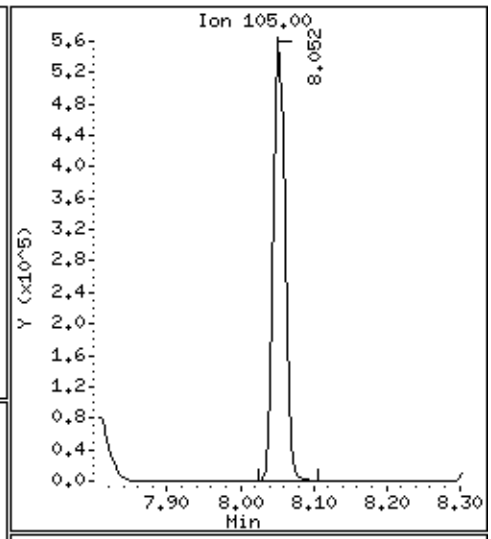
Column diameter: 0.18

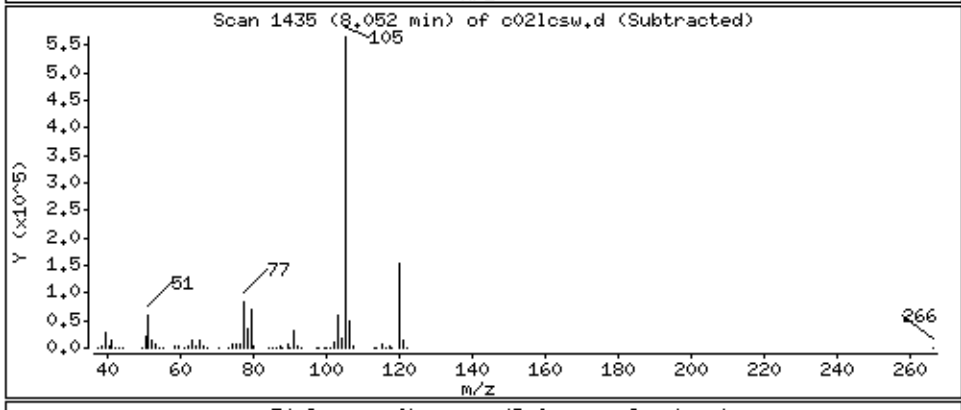
74 Isopropylbenzene

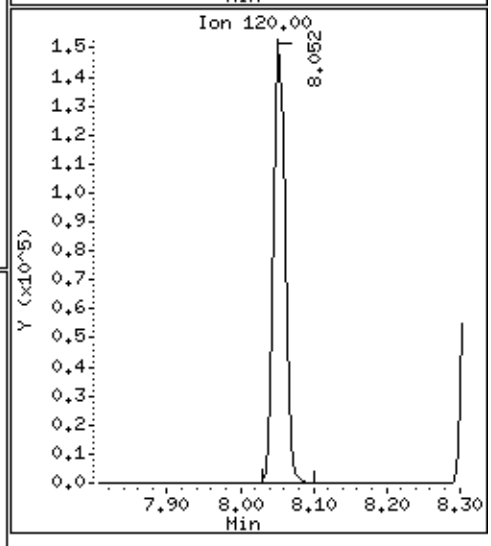
Concentration: 51.0 ppb

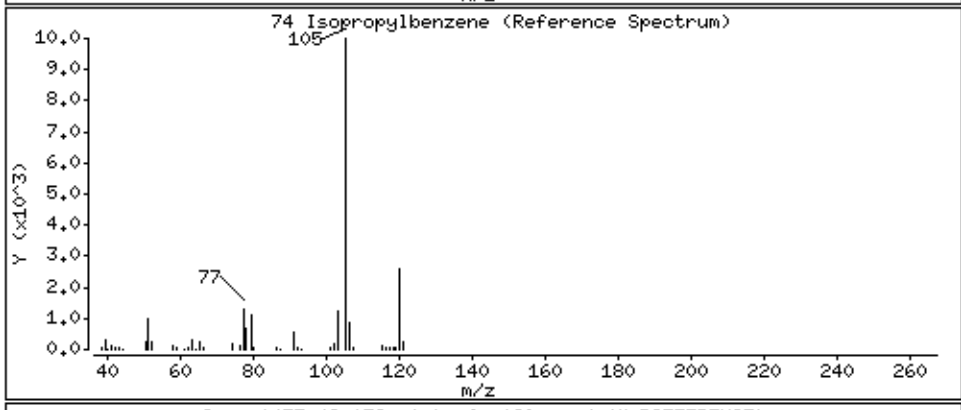
Review Code:

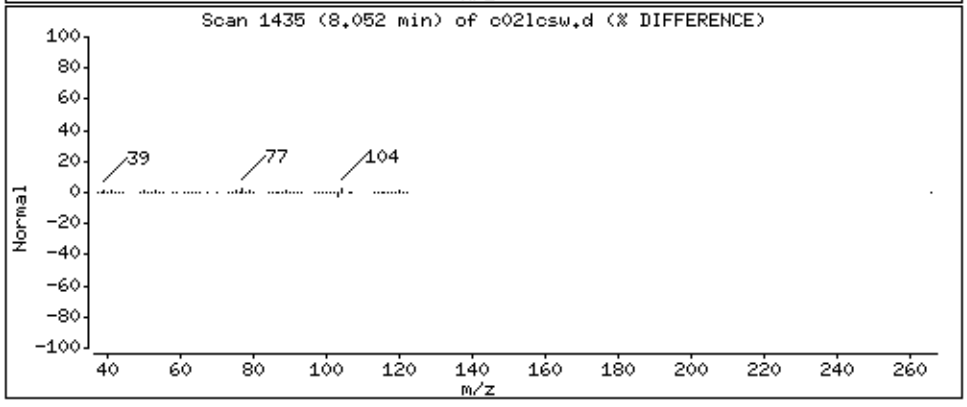












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

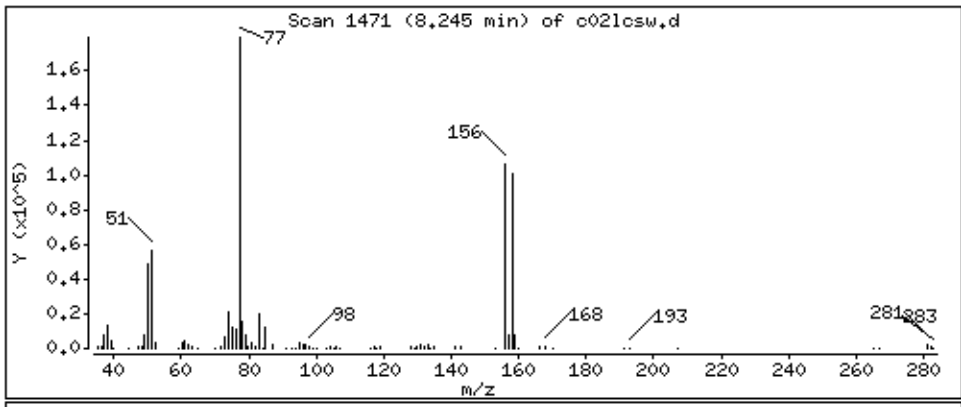
Column phase: DB-624

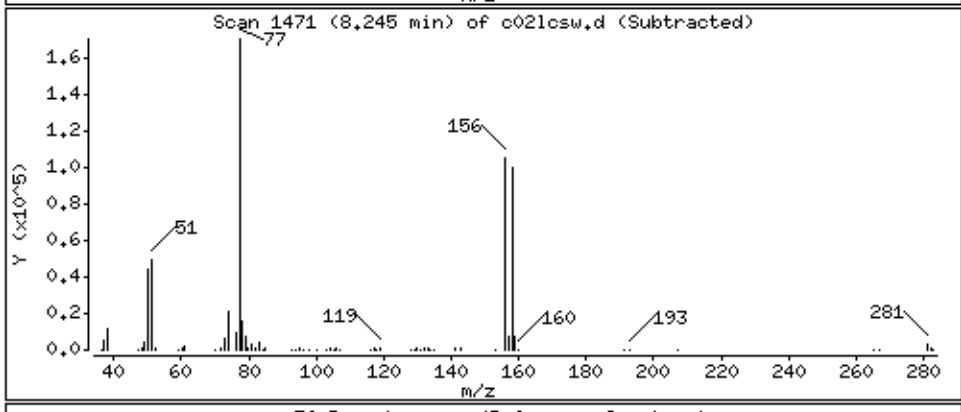
Column diameter: 0.18

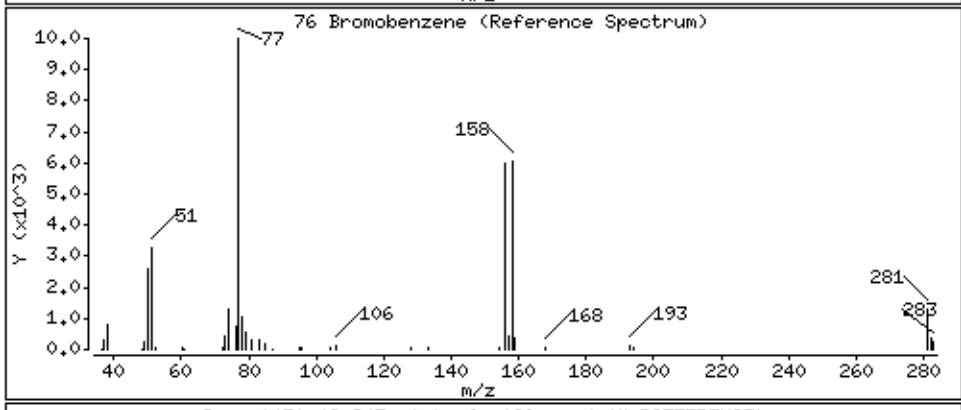
76 Bromobenzene

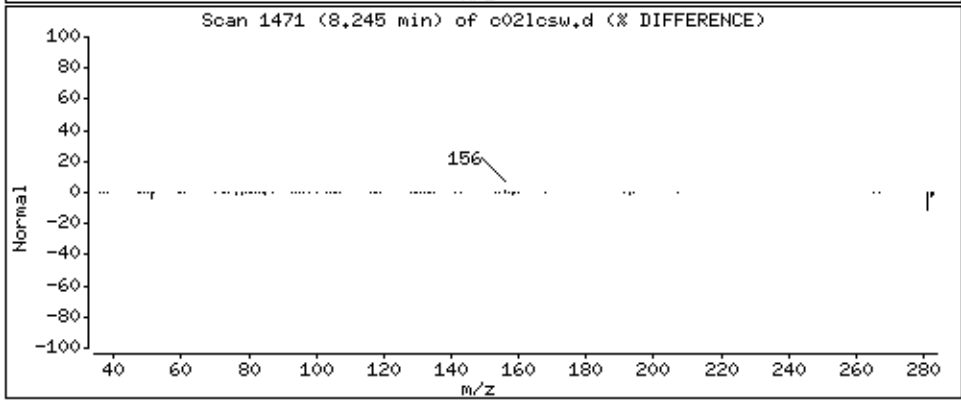
Concentration: 51.4 ppb

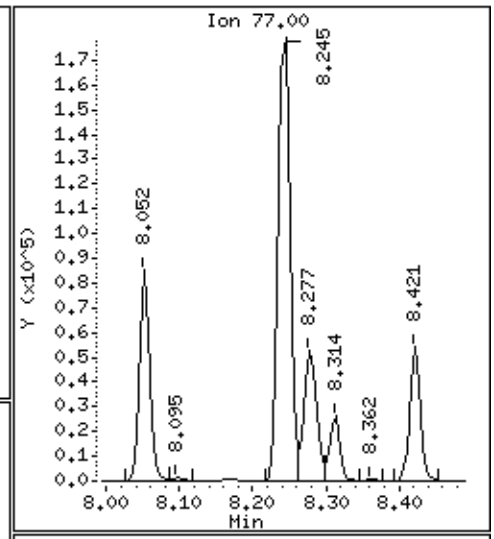
Review Code:

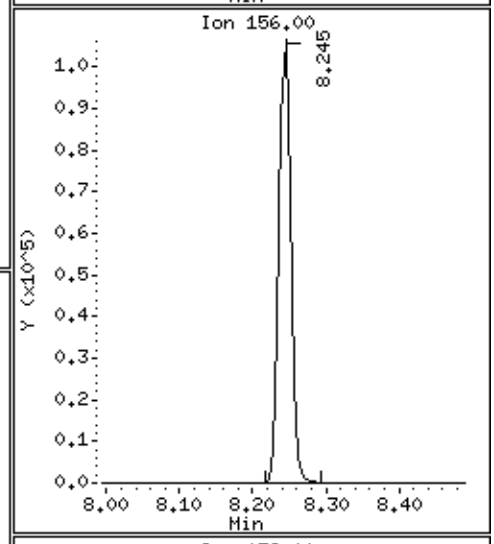


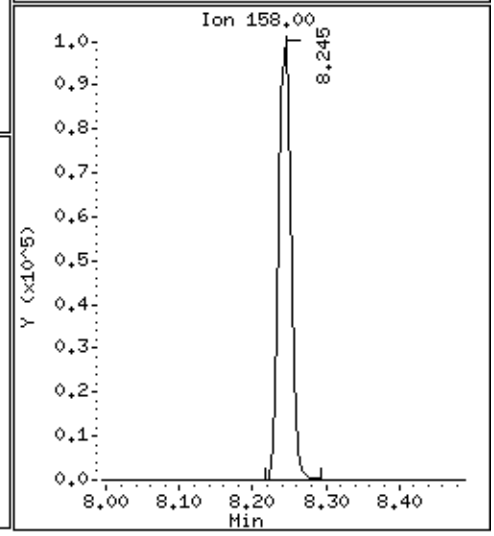












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

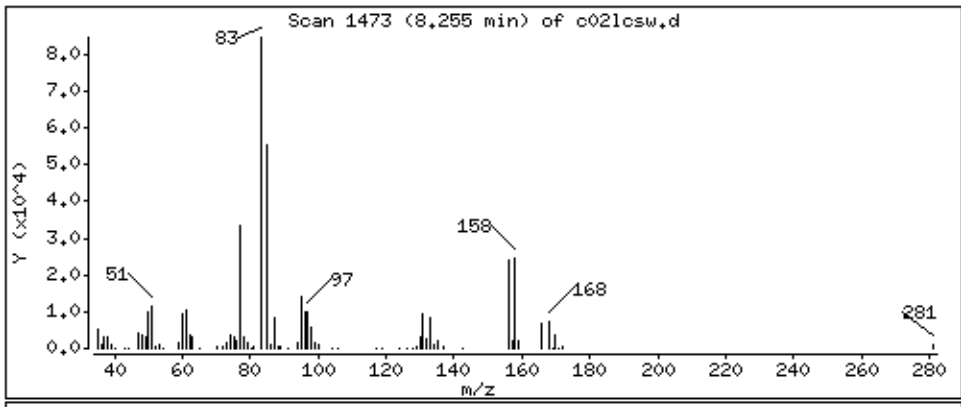
Column phase: DB-624

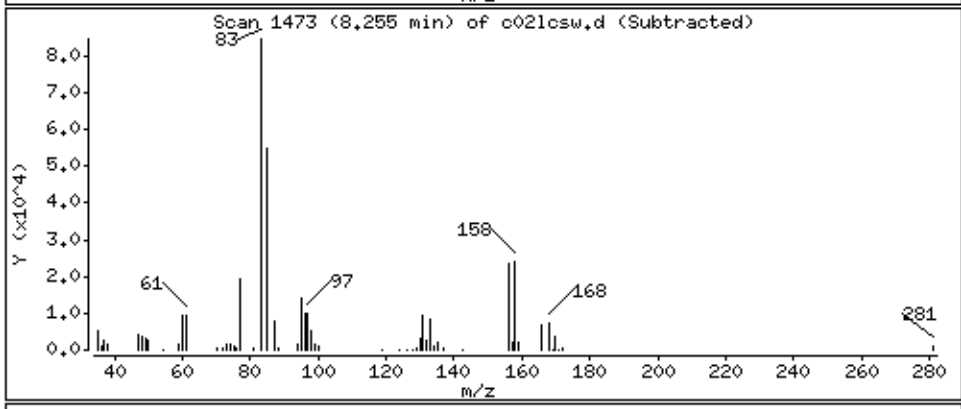
Column diameter: 0.18

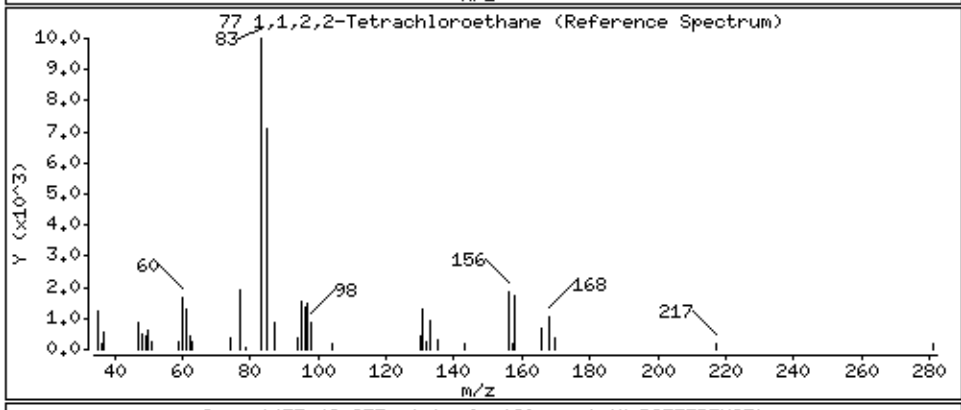
77 1,1,2,2-Tetrachloroethane

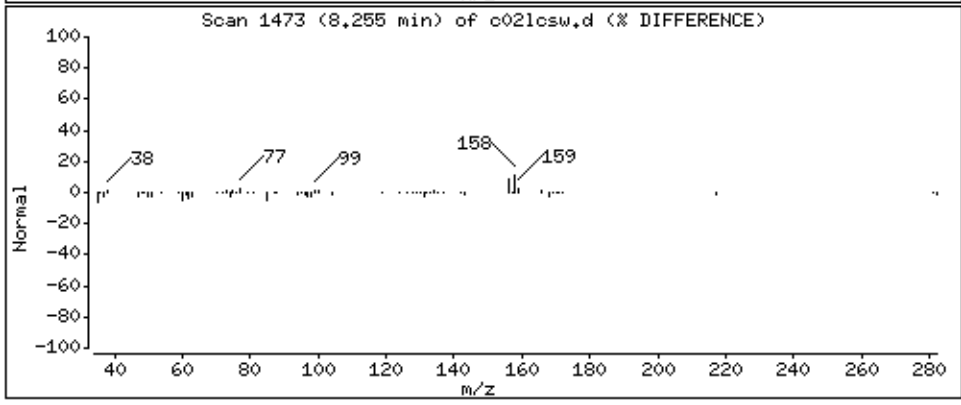
Concentration: 52.2 ppb

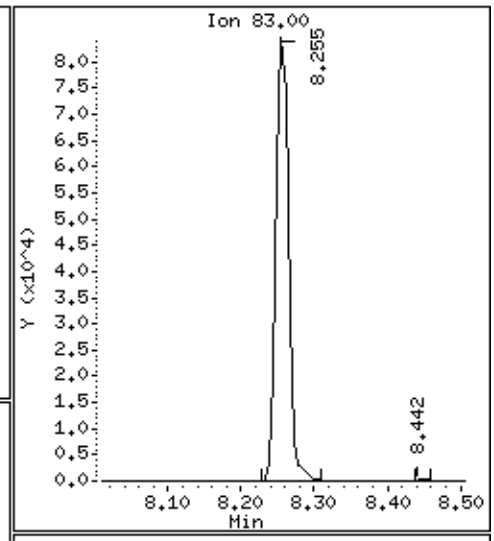
Review Code:

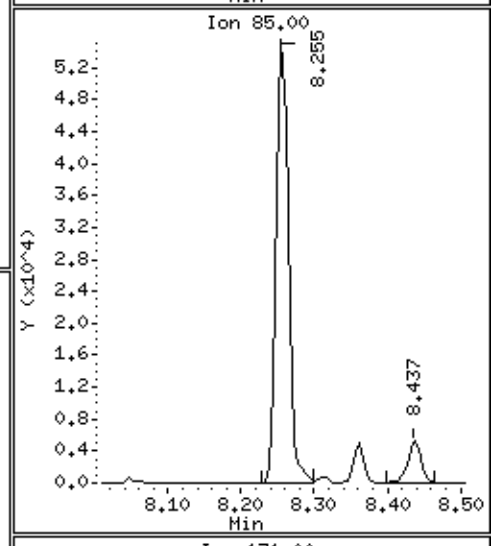


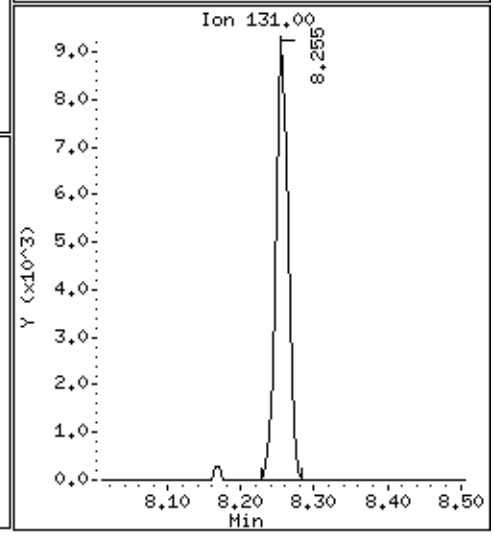












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

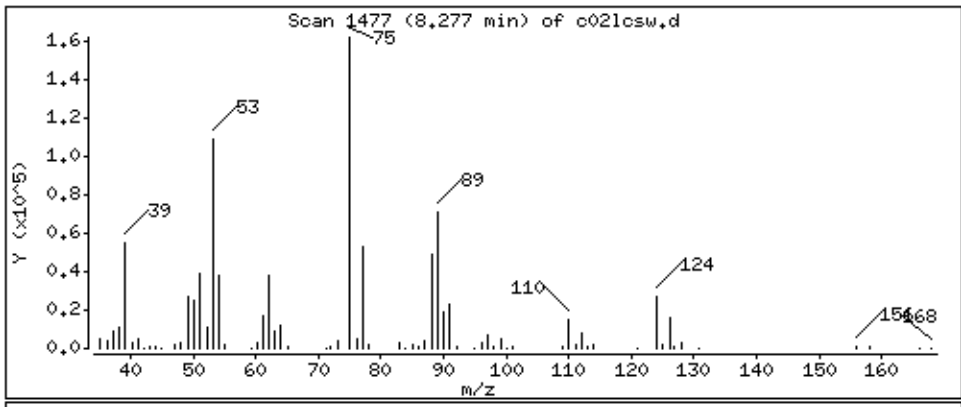
Column phase: DB-624

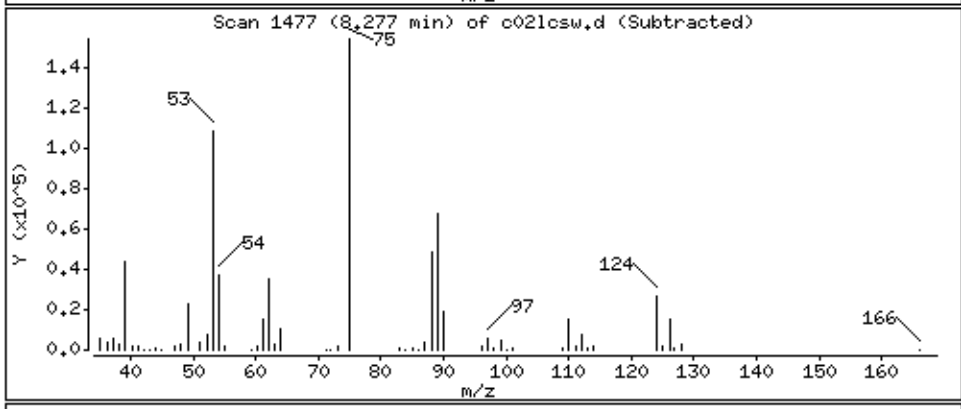
Column diameter: 0.18

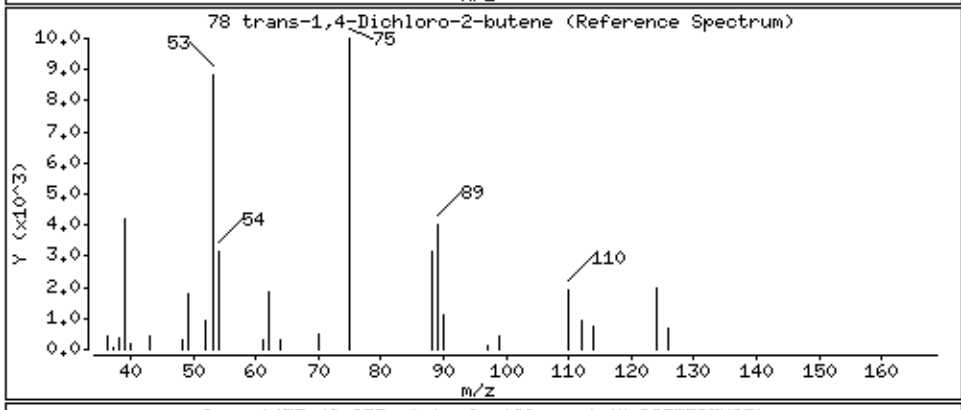
78 trans-1,4-Dichloro-2-butene

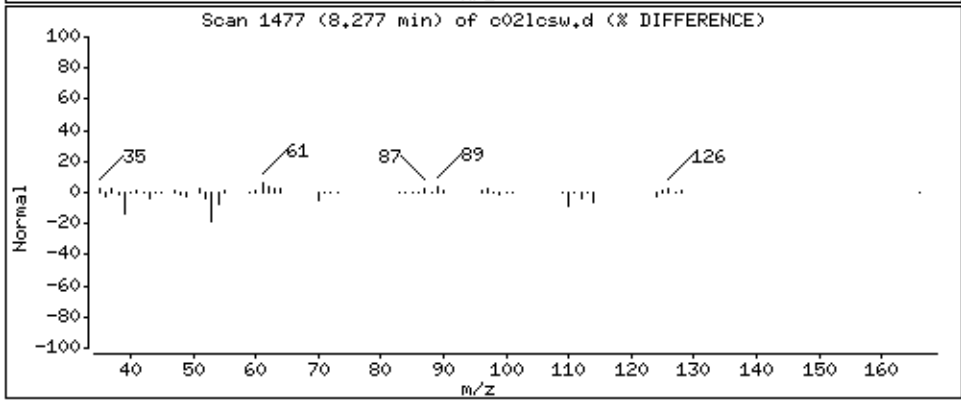
Concentration: 207 ppb

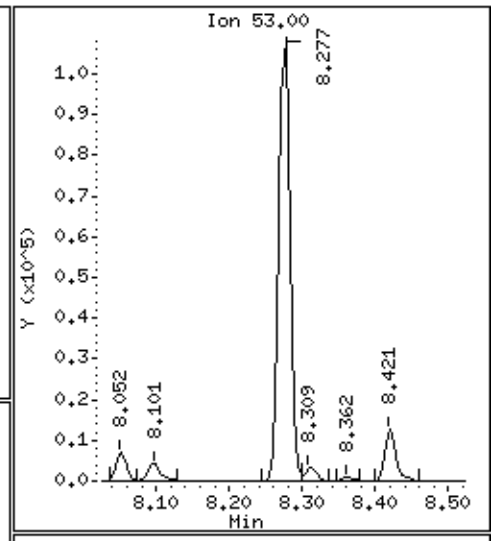
Review Code:

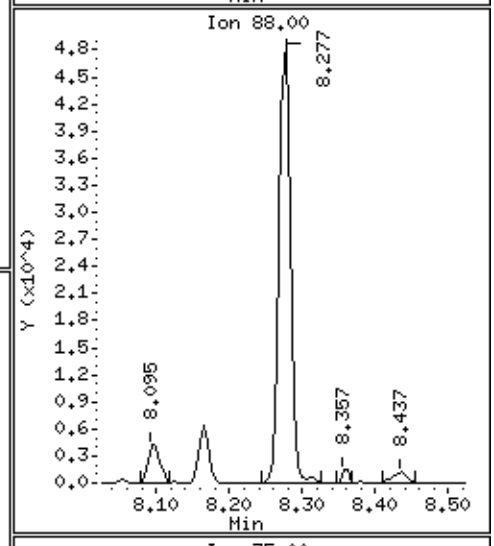


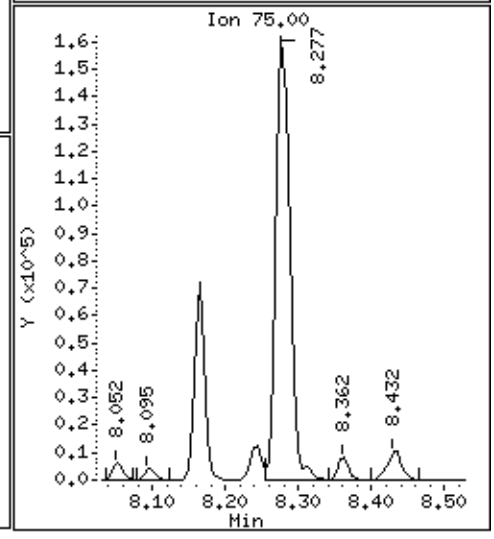












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

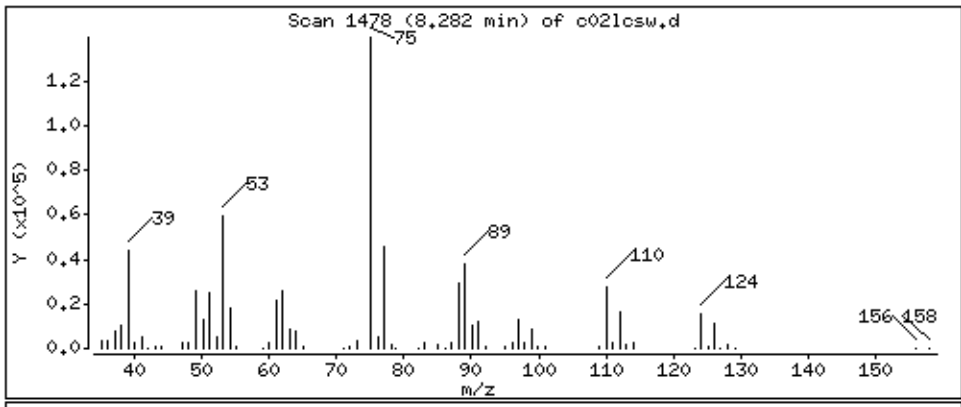
Column phase: DB-624

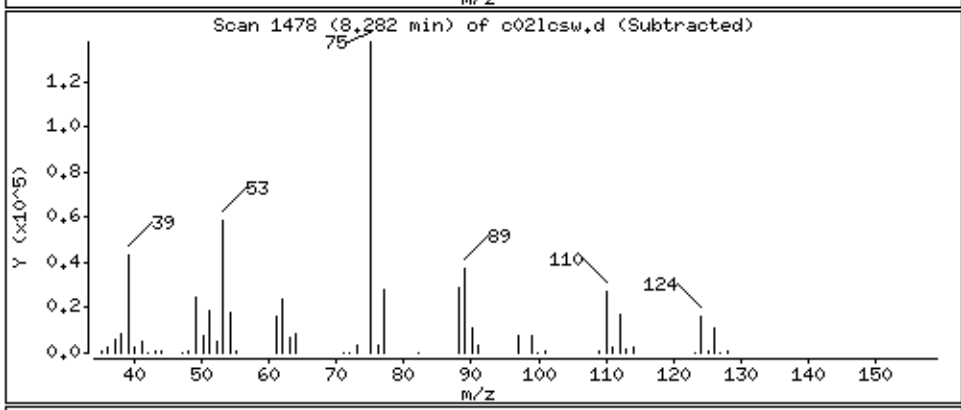
Column diameter: 0.18

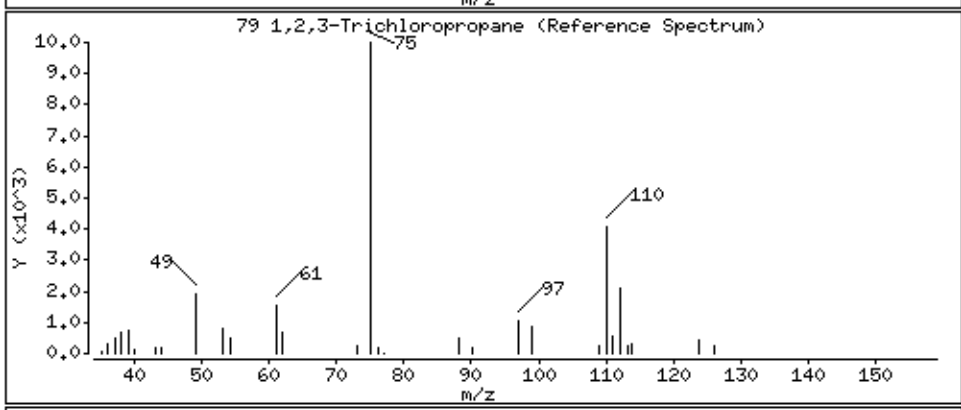
79 1,2,3-Trichloropropane

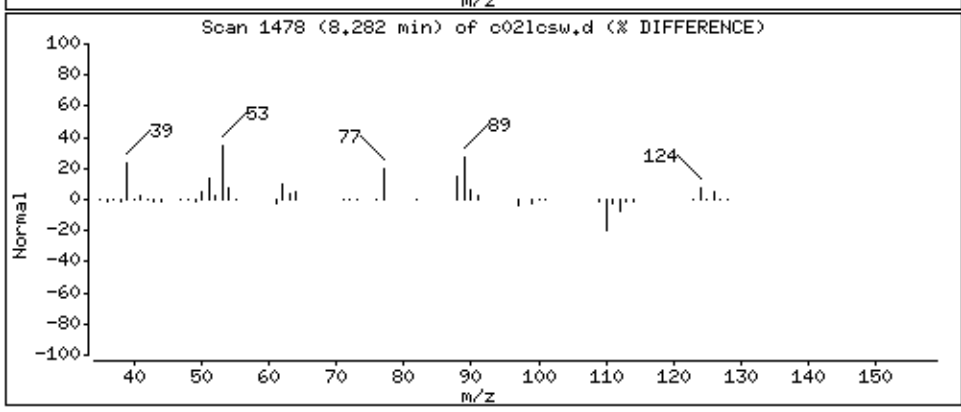
Concentration: 52.6 ppb

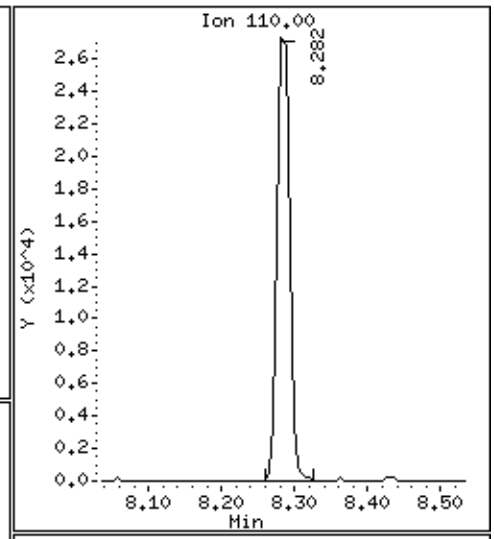
Review Code:

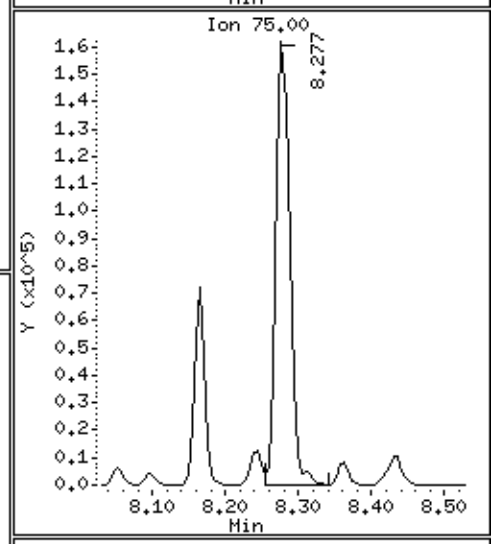


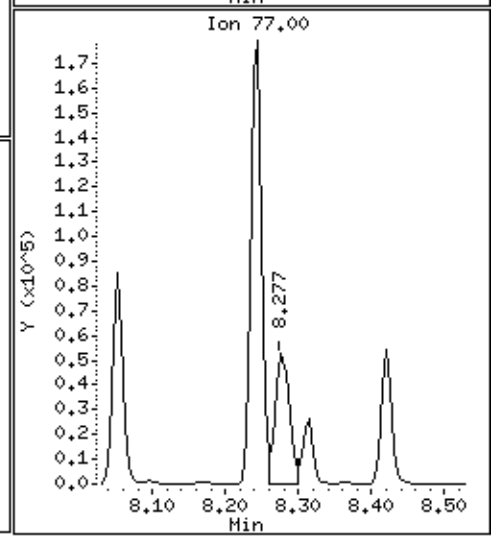












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

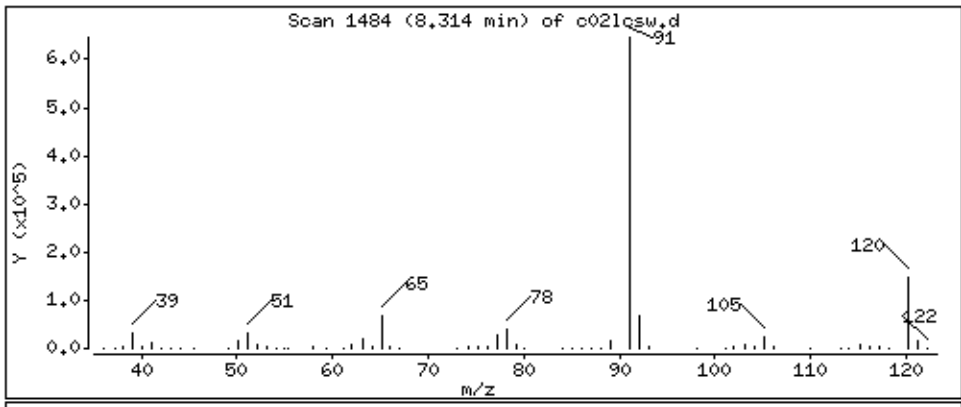
Column phase: DB-624

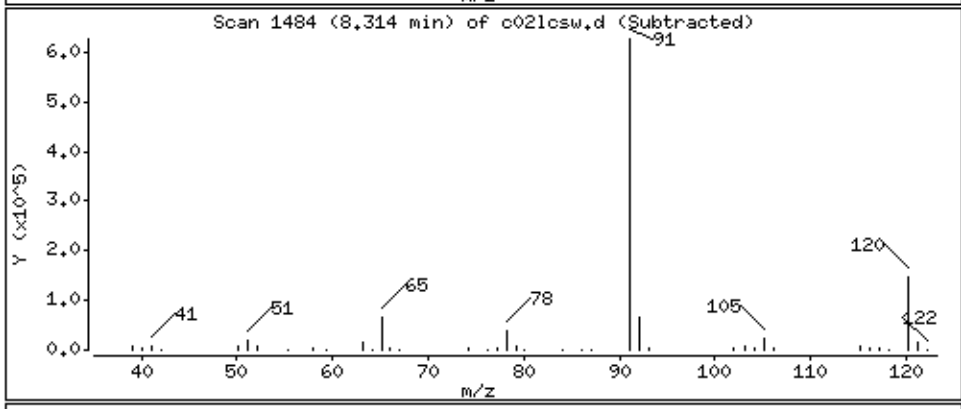
Column diameter: 0.18

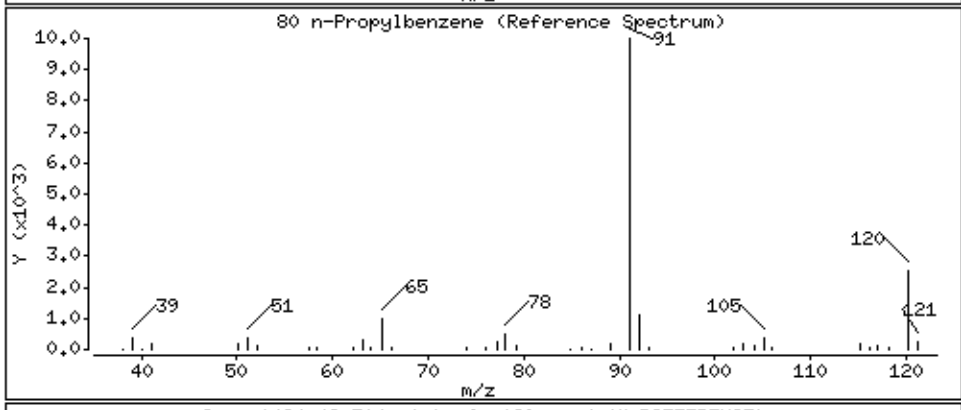
80 n-Propylbenzene

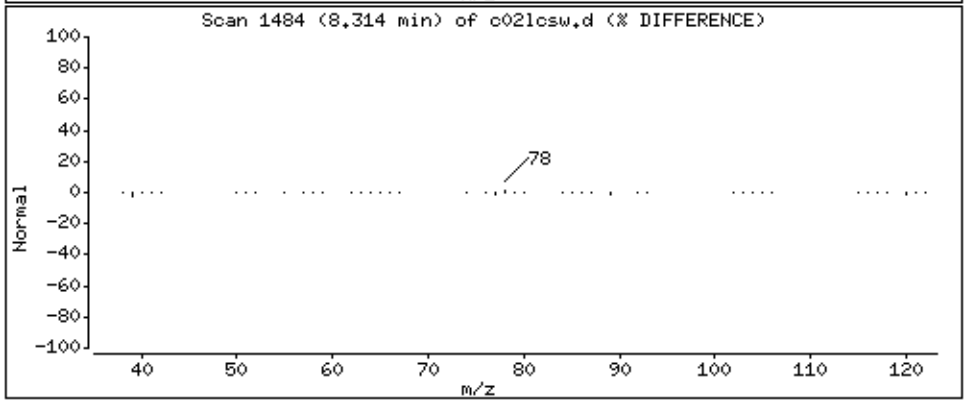
Concentration: 50.7 ppb

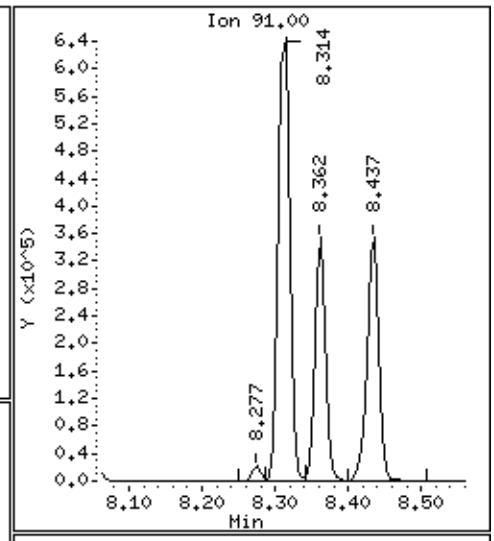
Review Code:

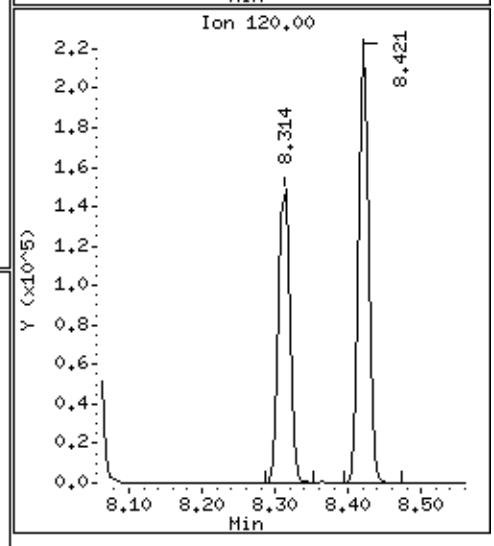












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

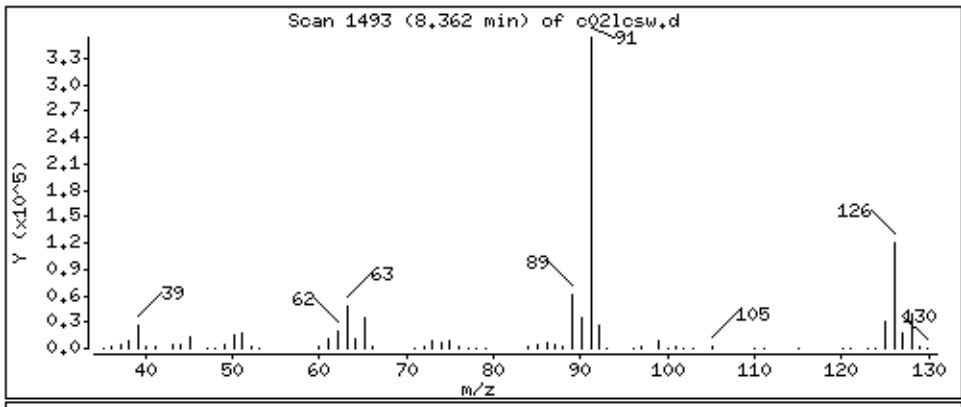
Column phase: DB-624

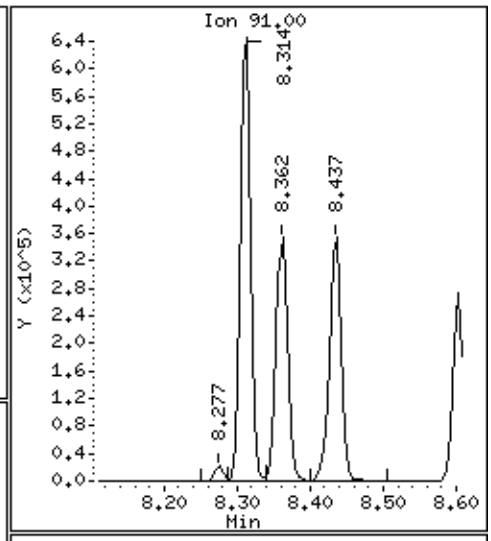
Column diameter: 0.18

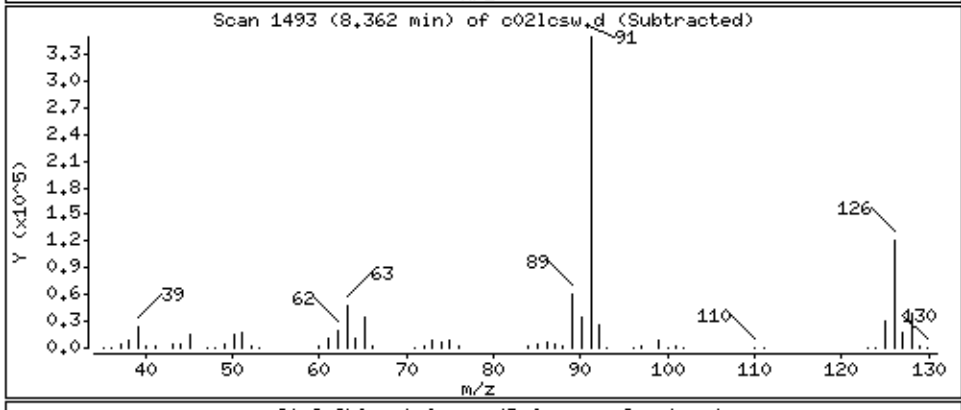
81 2-Chlorotoluene

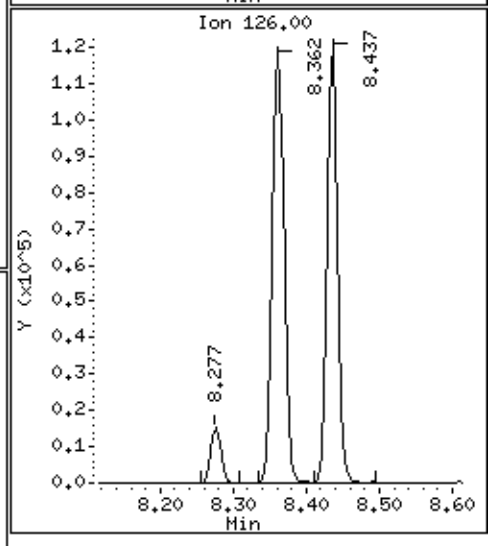
Concentration: 50.4 ppb

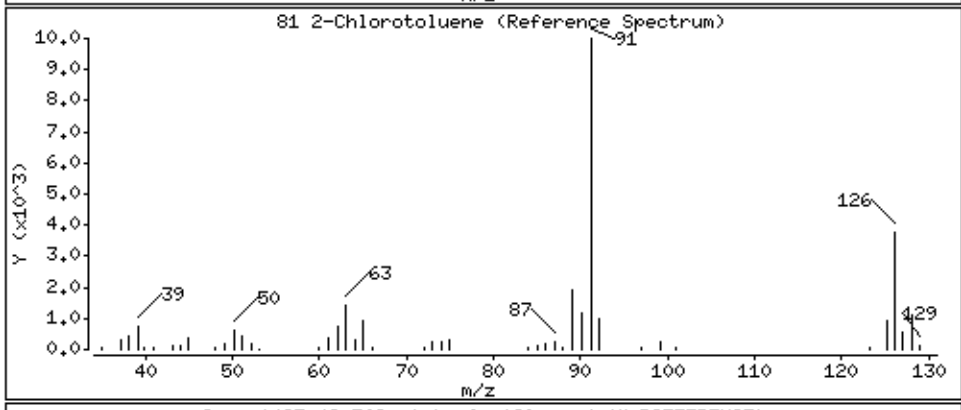
Review Code:

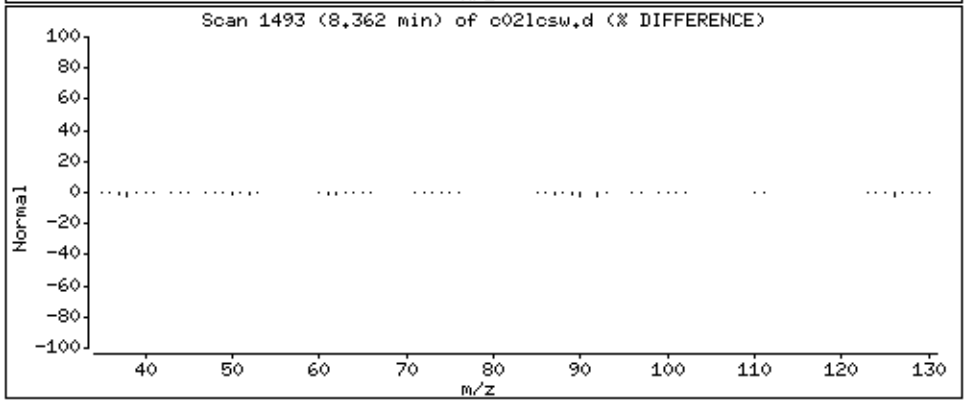












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

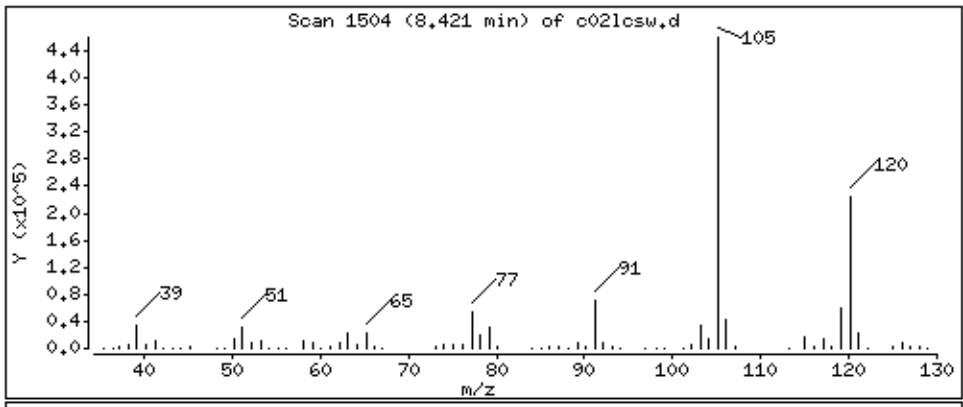
Column phase: DB-624

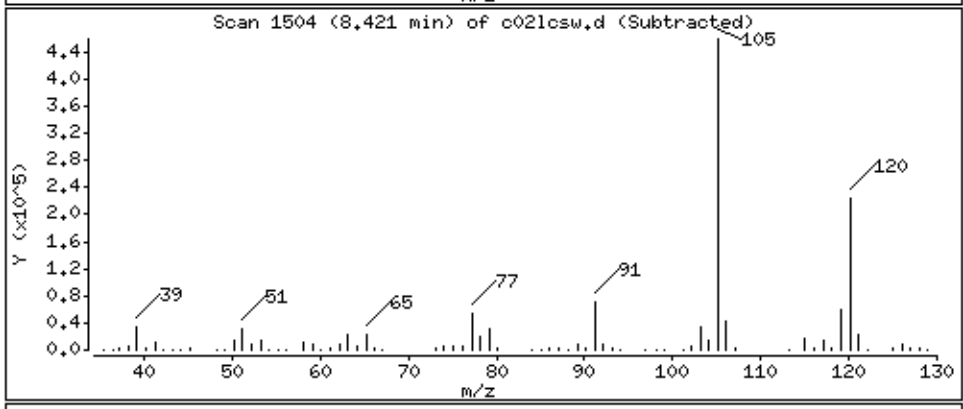
Column diameter: 0.18

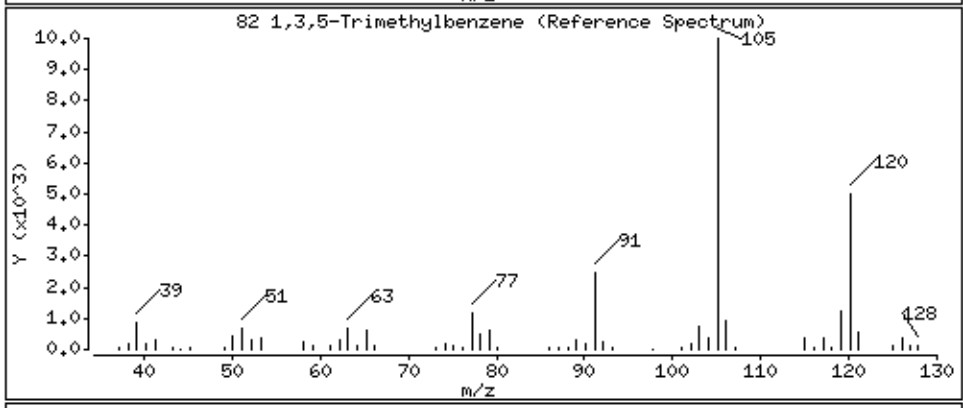
82 1,3,5-Trimethylbenzene

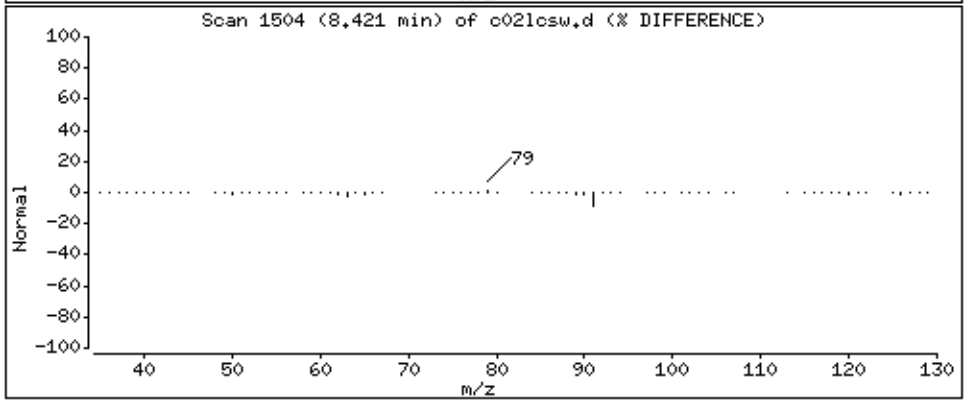
Concentration: 50.2 ppb

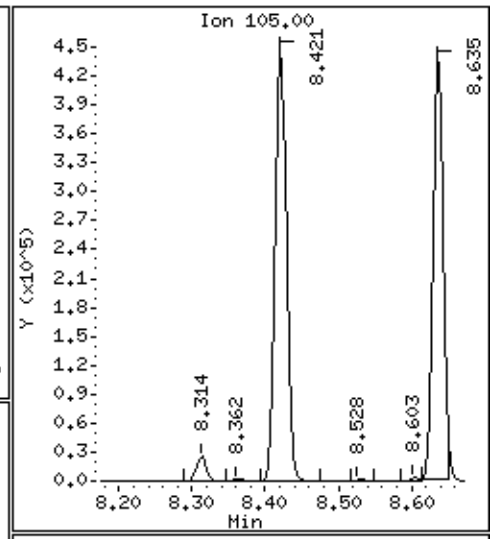
Review Code:

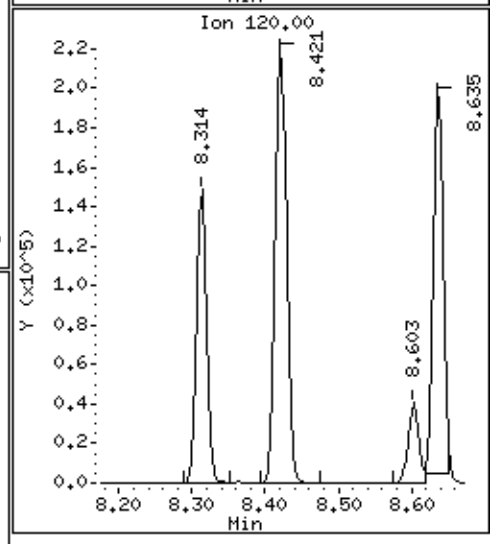












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

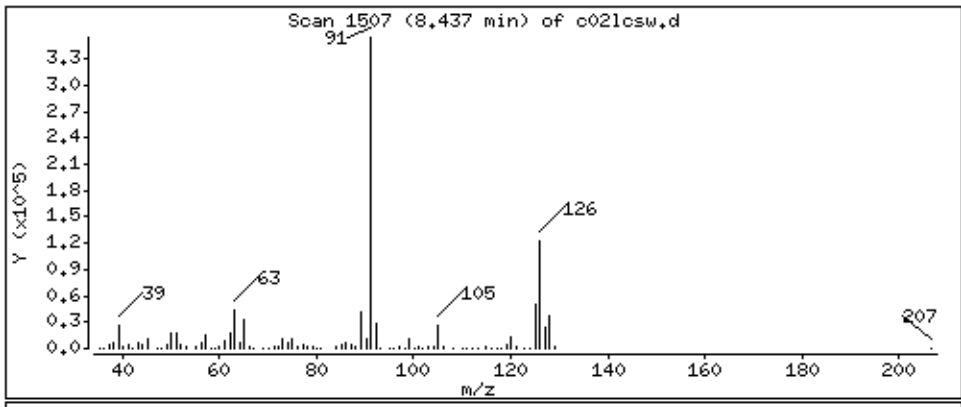
Column phase: DB-624

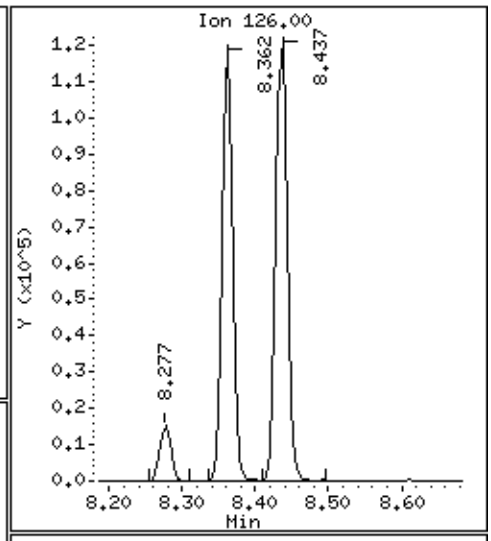
Column diameter: 0.18

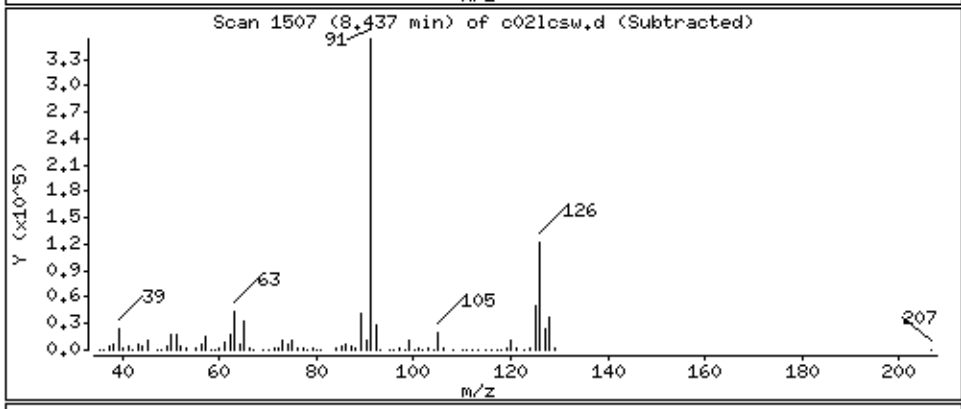
83 4-Chlorotoluene

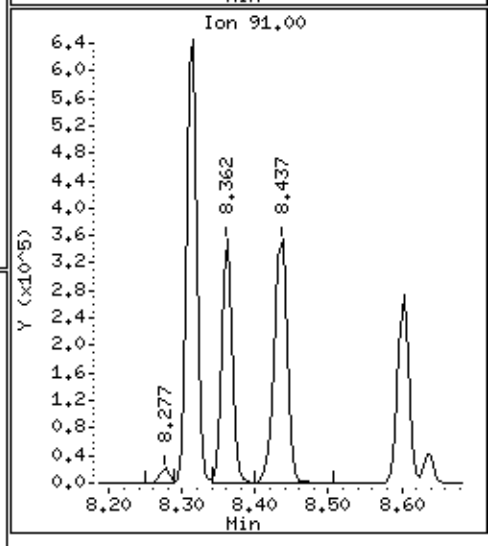
Concentration: 48.0 ppb

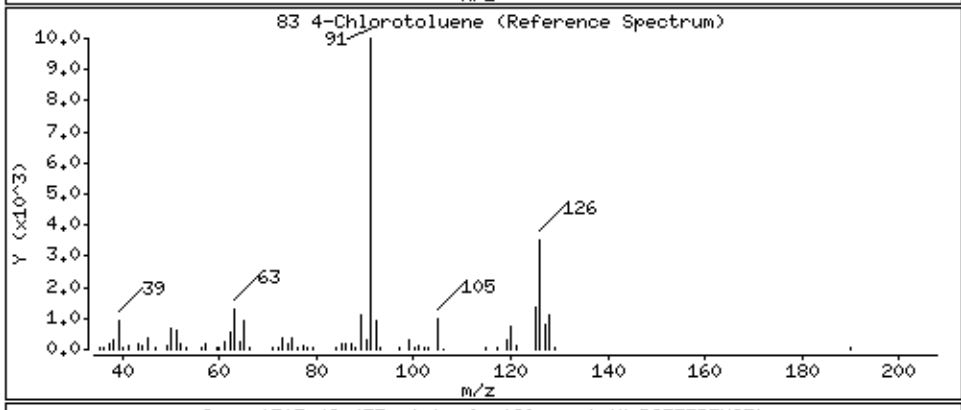
Review Code:

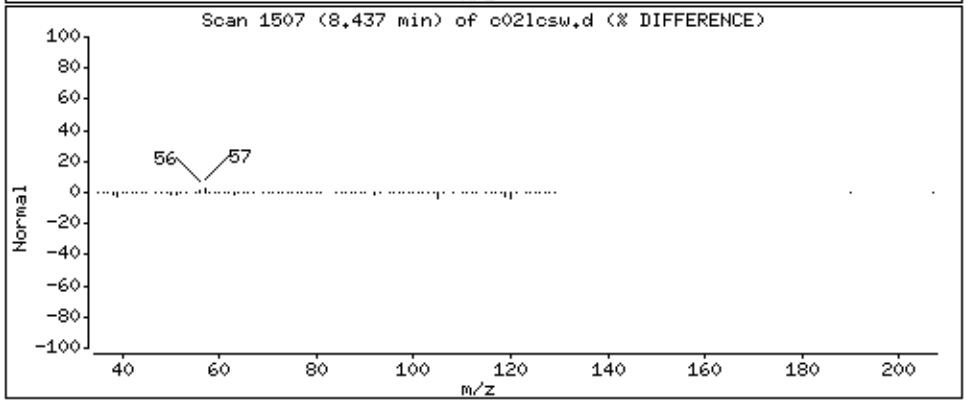












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

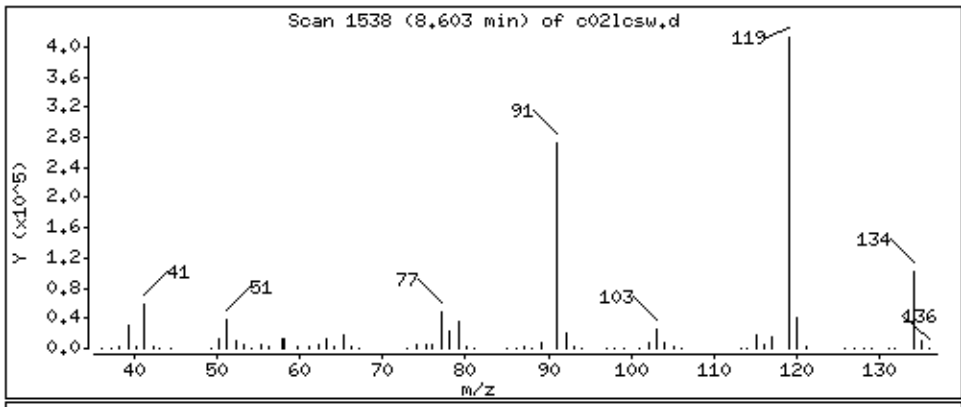
Column phase: DB-624

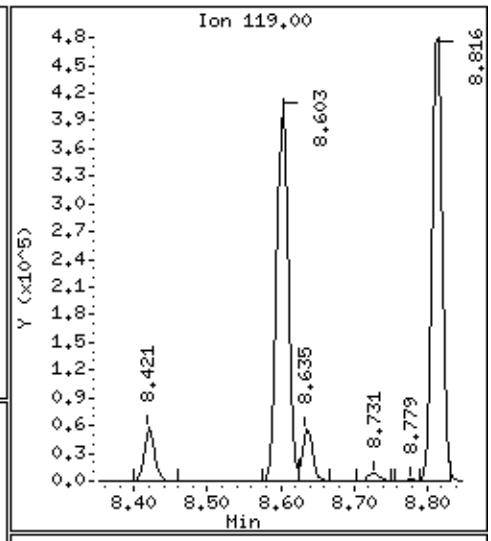
Column diameter: 0.18

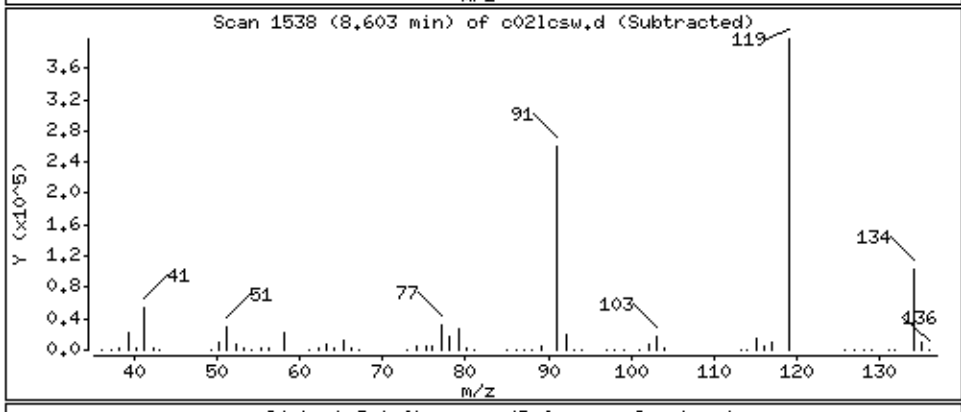
84 tert-Butylbenzene

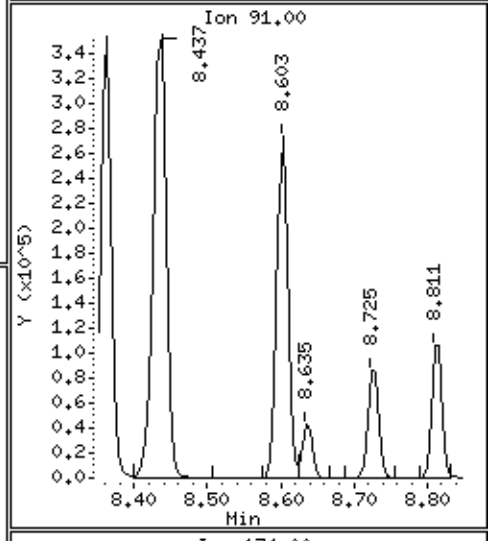
Concentration: 41.0 ppb

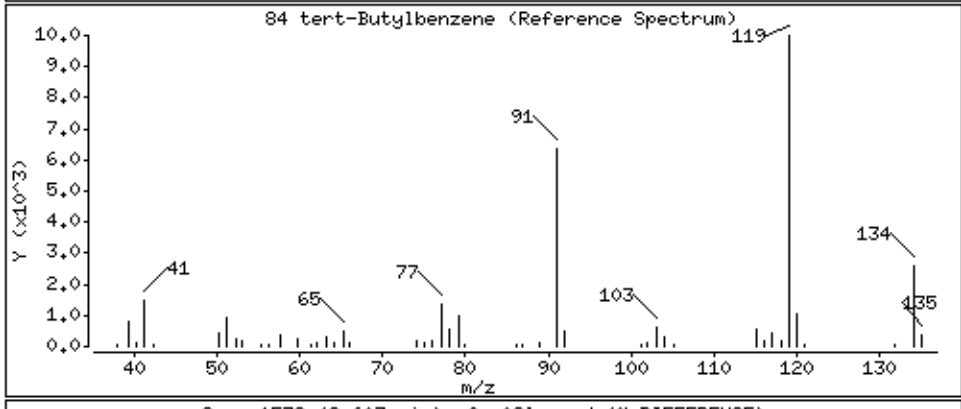
Review Code:

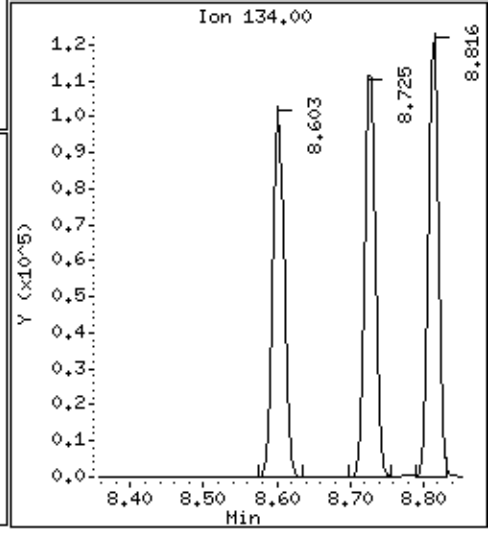


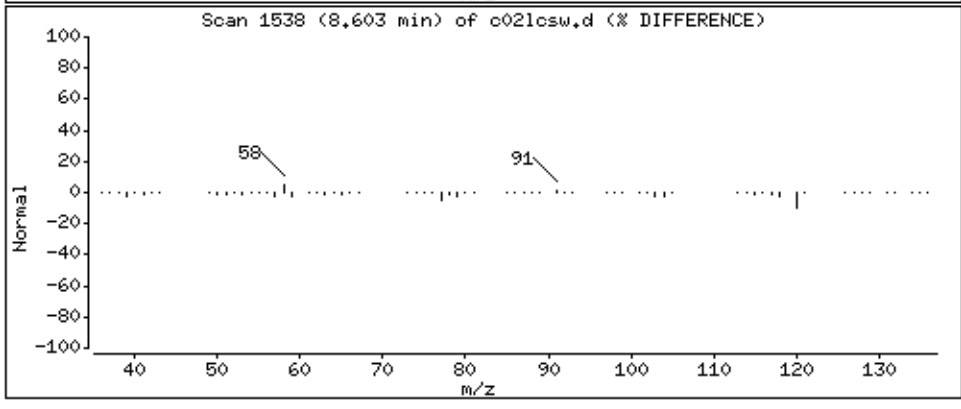












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

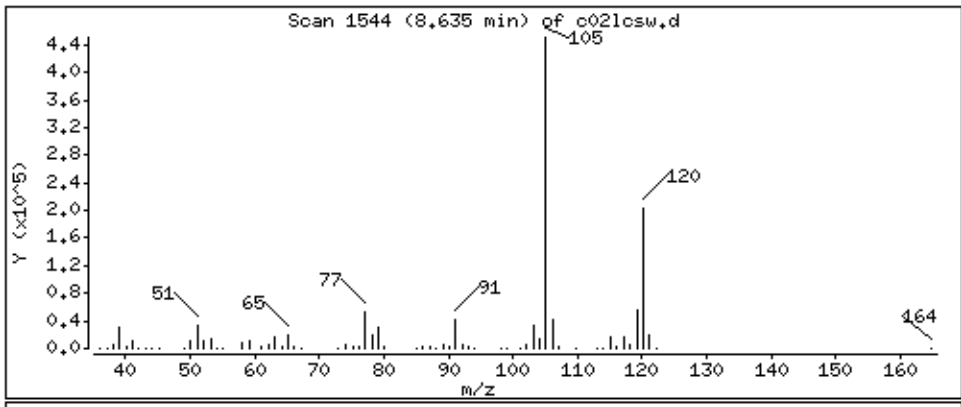
Column phase: DB-624

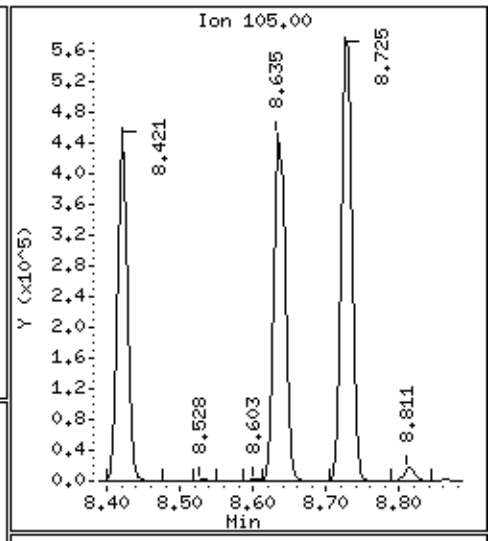
Column diameter: 0.18

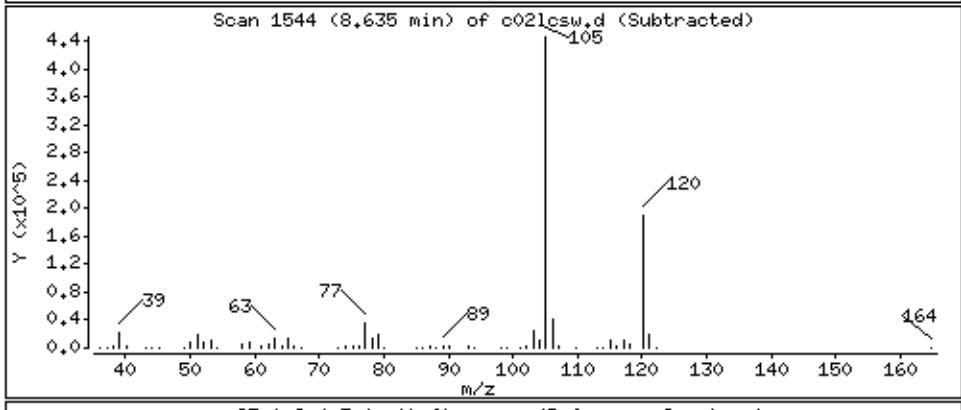
85 1,2,4-Trimethylbenzene

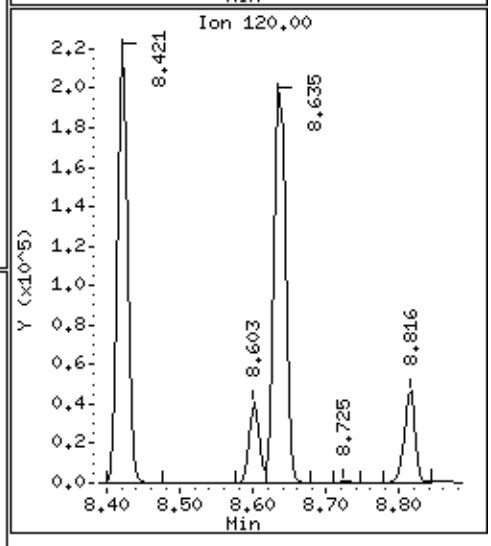
Concentration: 50.5 ppb

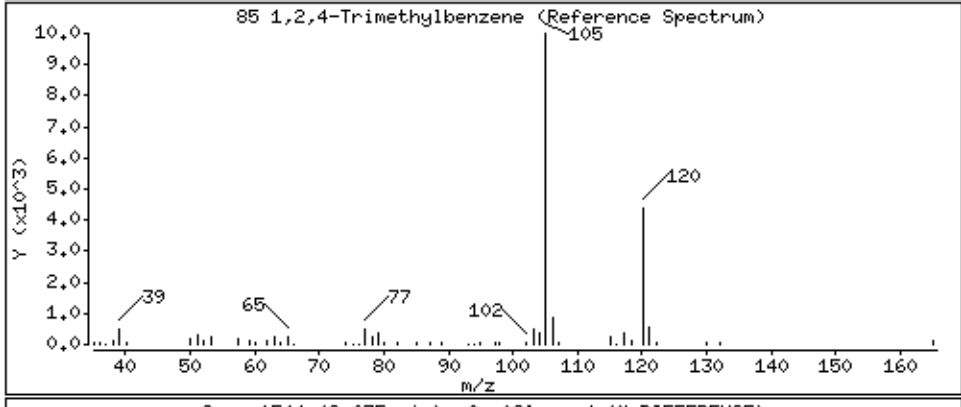
Review Code:

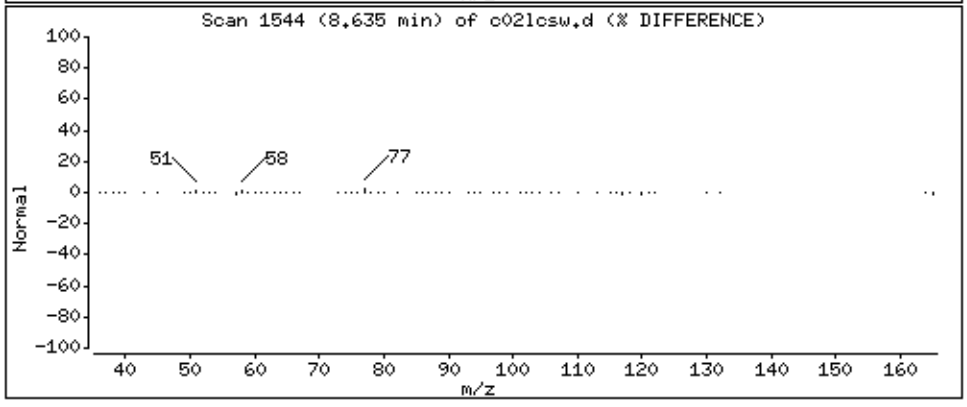












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

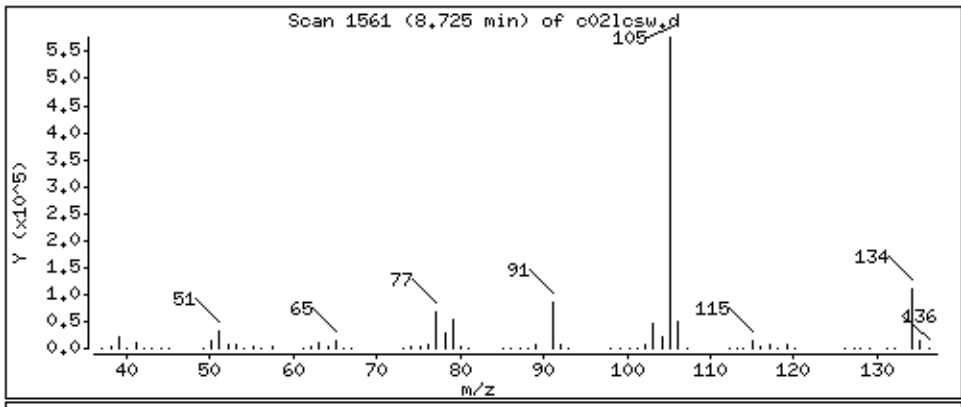
Column phase: DB-624

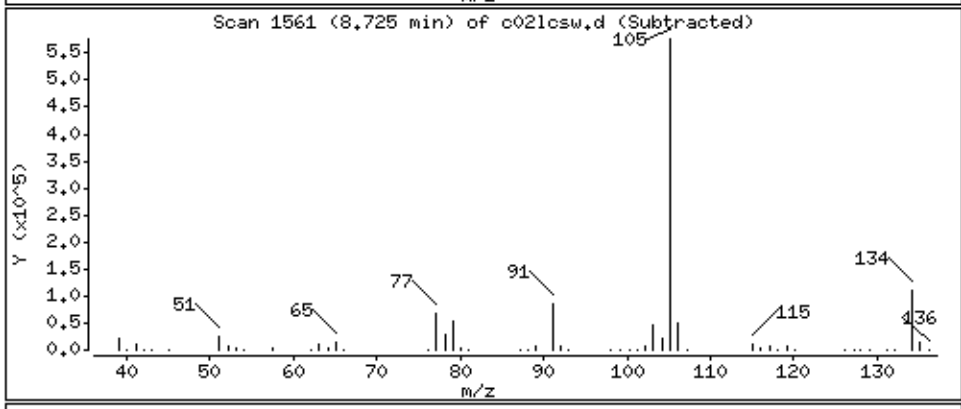
Column diameter: 0.18

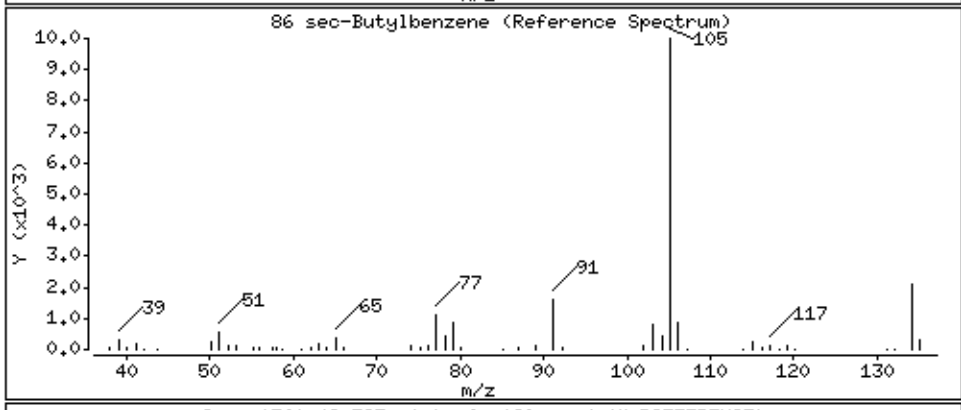
86 sec-Butylbenzene

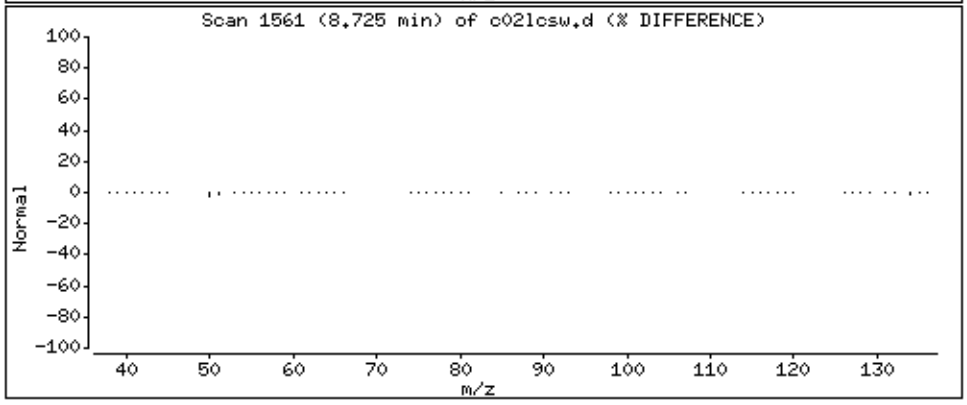
Concentration: 51.3 ppb

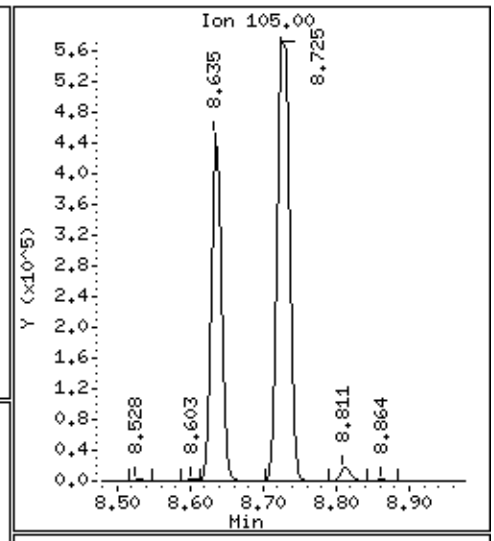
Review Code:

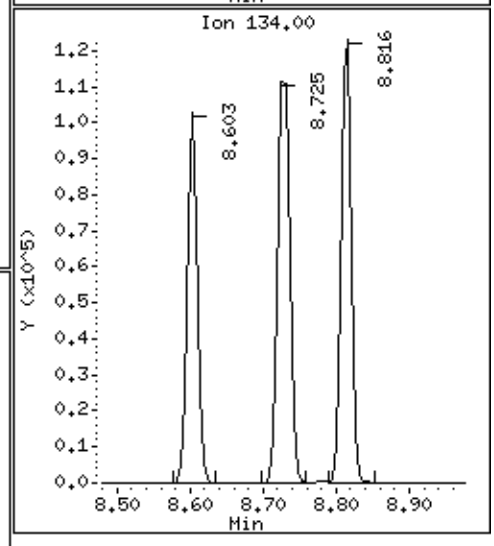












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

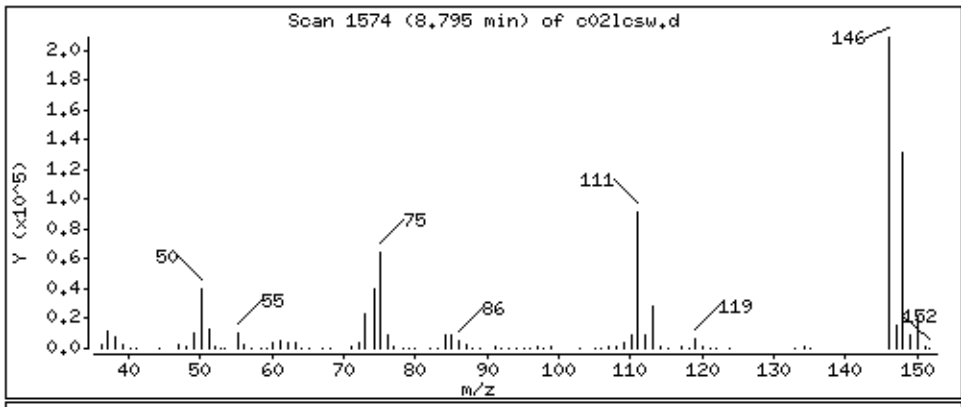
Column phase: DB-624

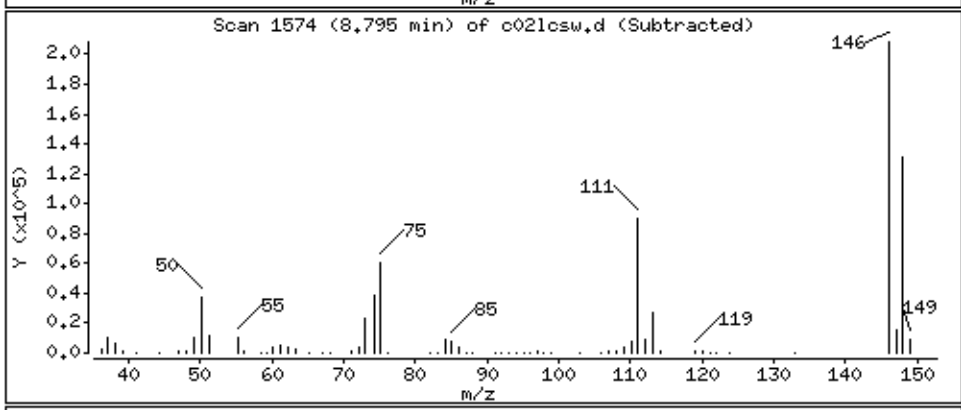
Column diameter: 0.18

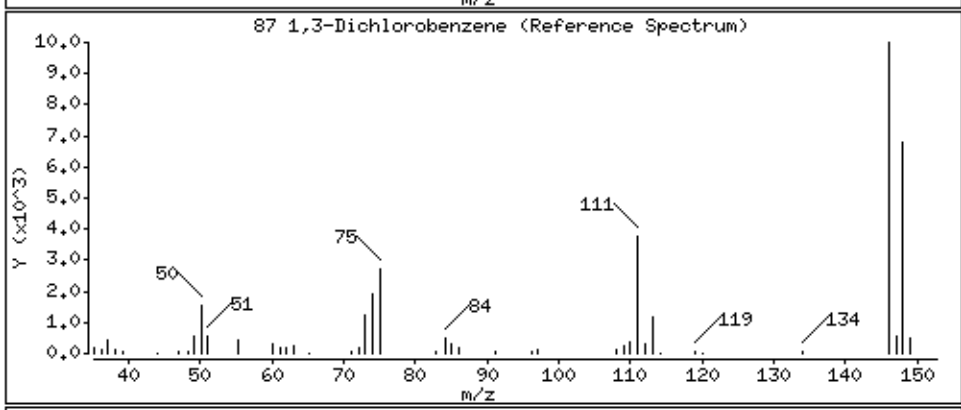
87 1,3-Dichlorobenzene

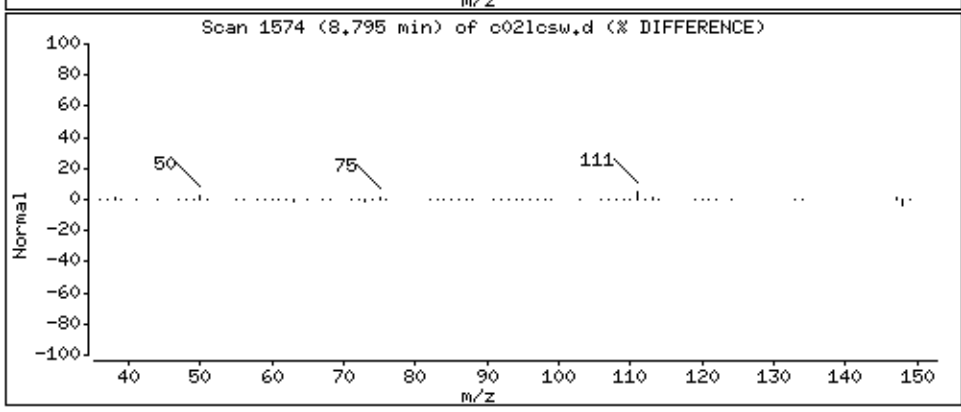
Concentration: 45.6 ppb

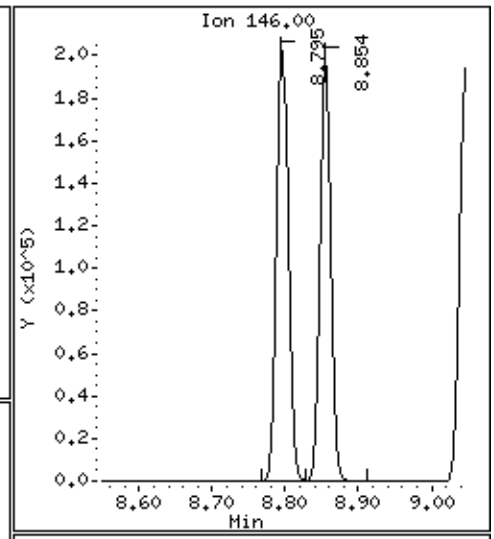
Review Code:

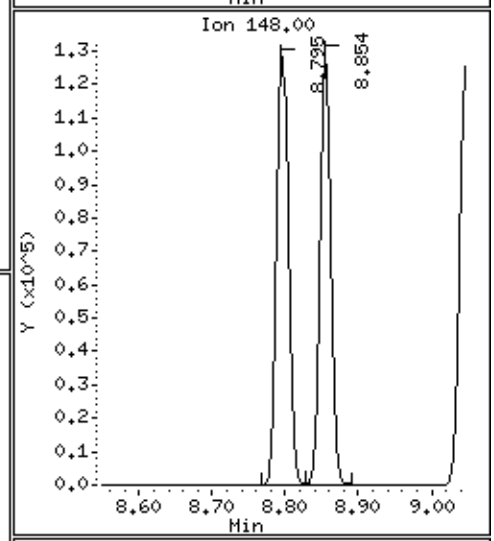


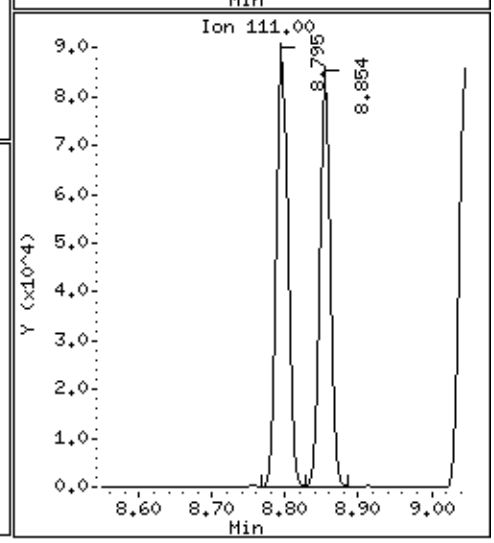












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

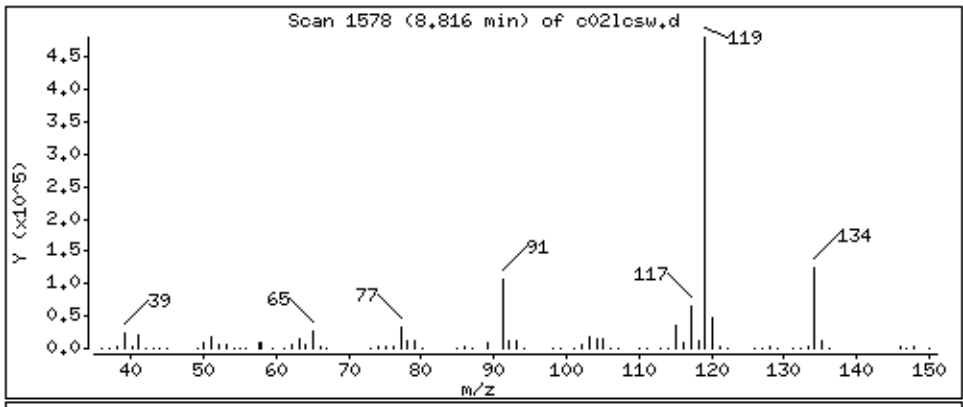
Column phase: DB-624

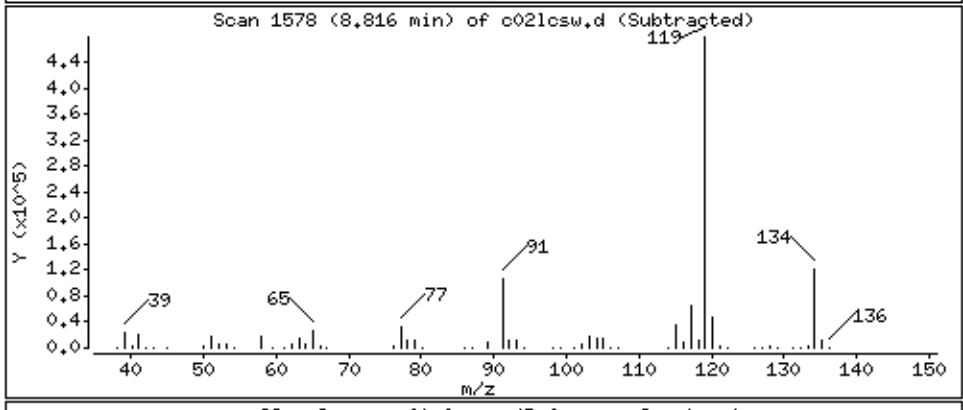
Column diameter: 0.18

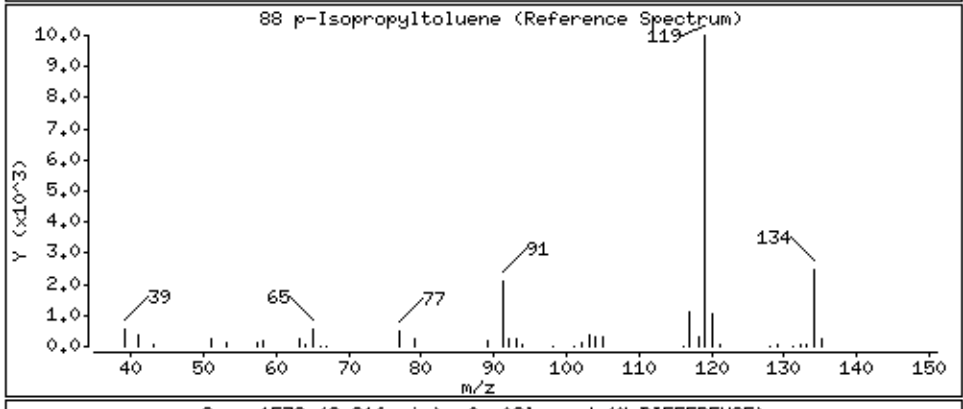
88 p-Isopropyltoluene

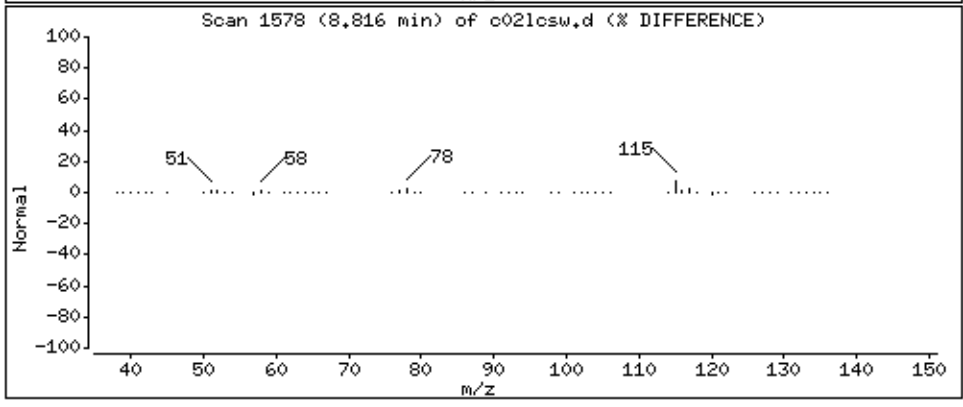
Concentration: 49.5 ppb

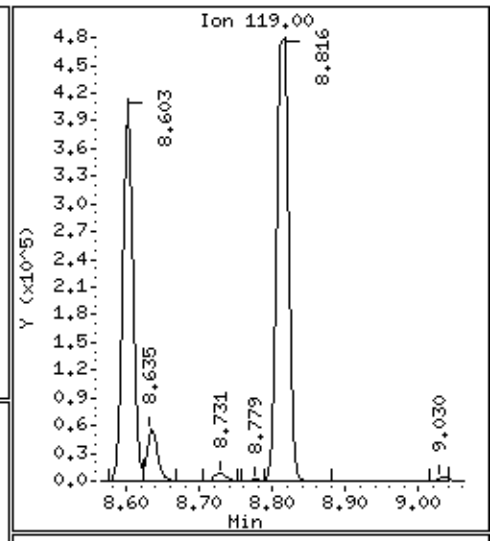
Review Code:

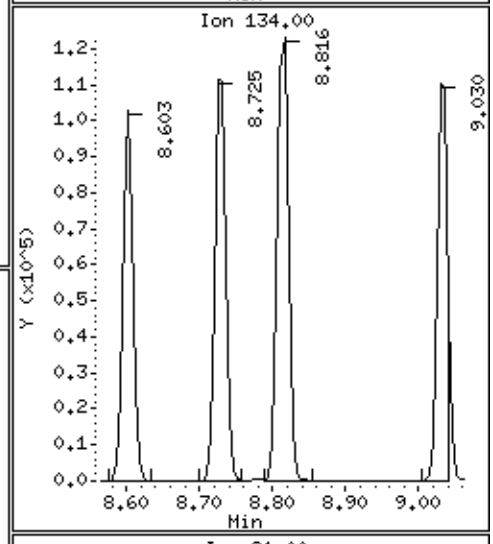


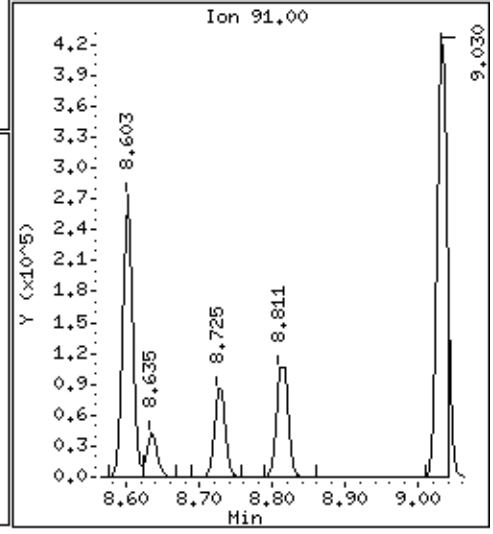












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

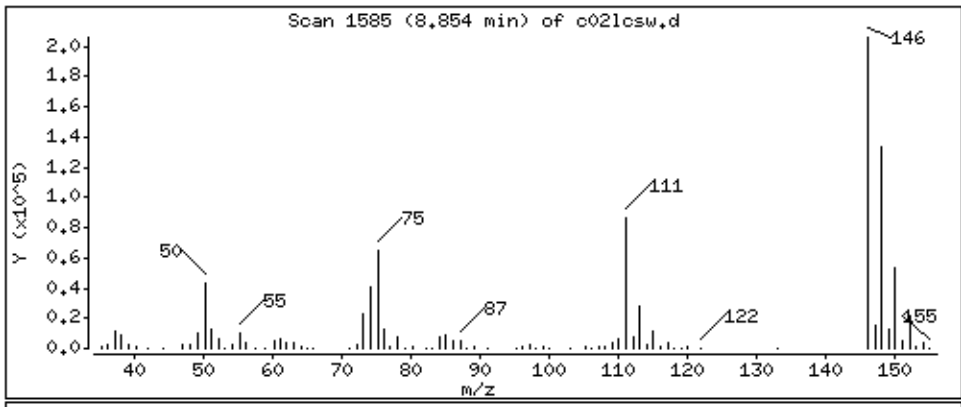
Column phase: DB-624

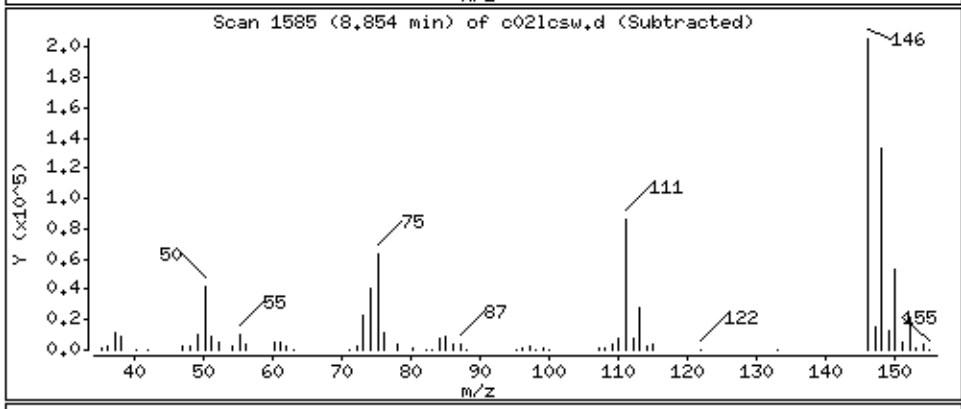
Column diameter: 0.18

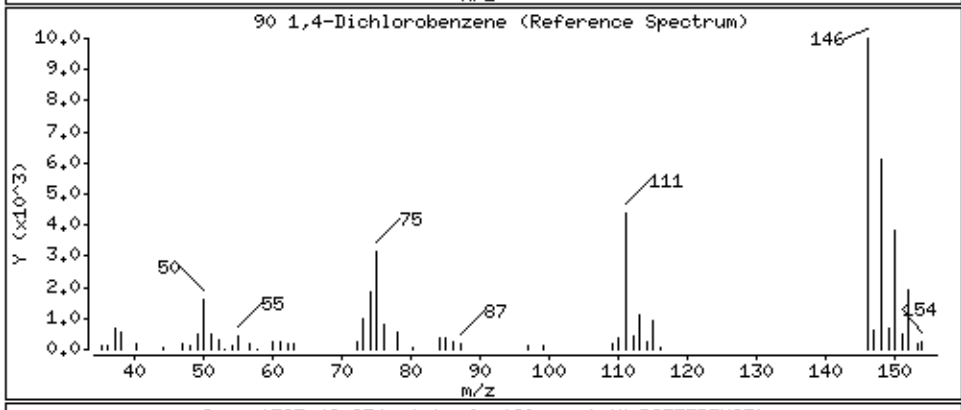
90 1,4-Dichlorobenzene

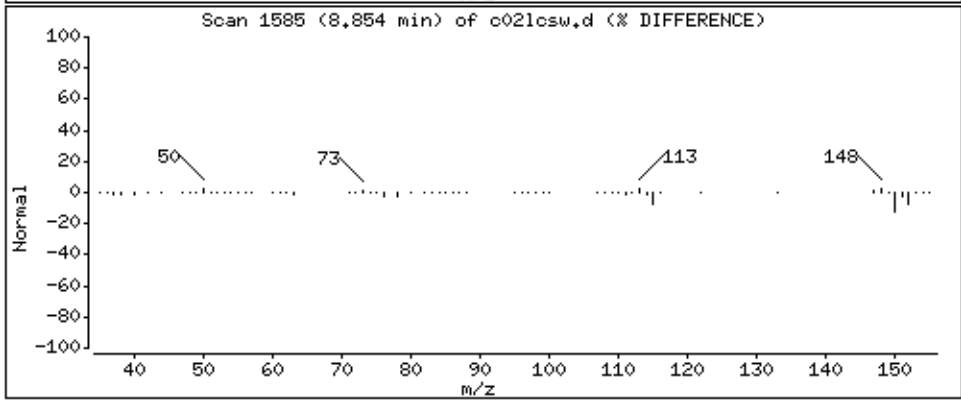
Concentration: 44.1 ppb

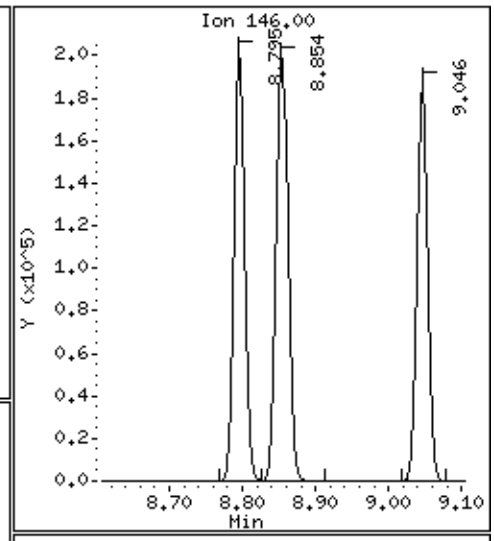
Review Code:

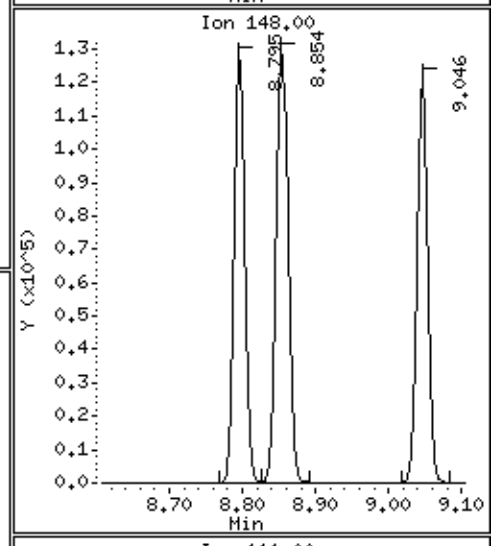


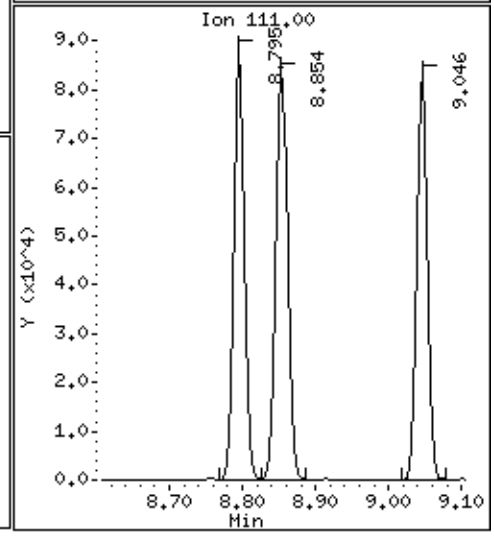












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

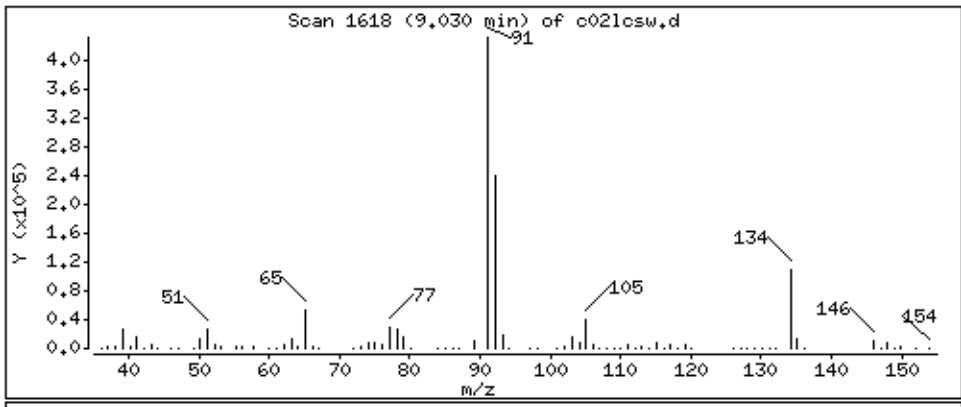
Column phase: DB-624

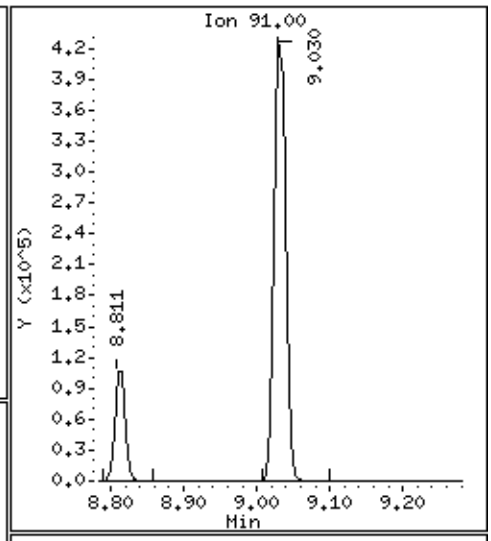
Column diameter: 0.18

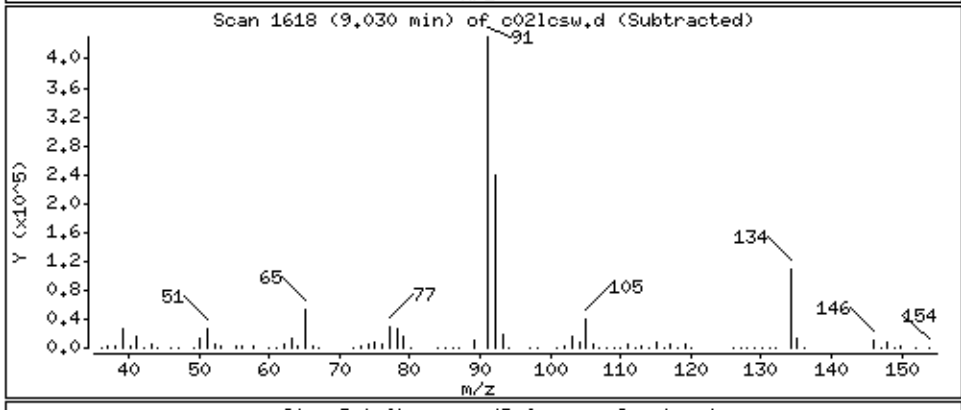
91 n-Butylbenzene

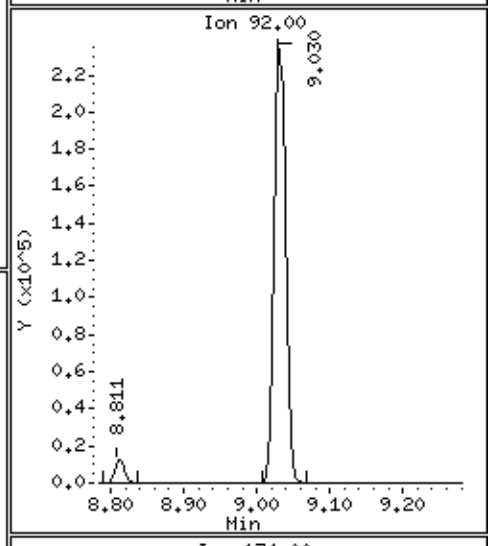
Concentration: 48.4 ppb

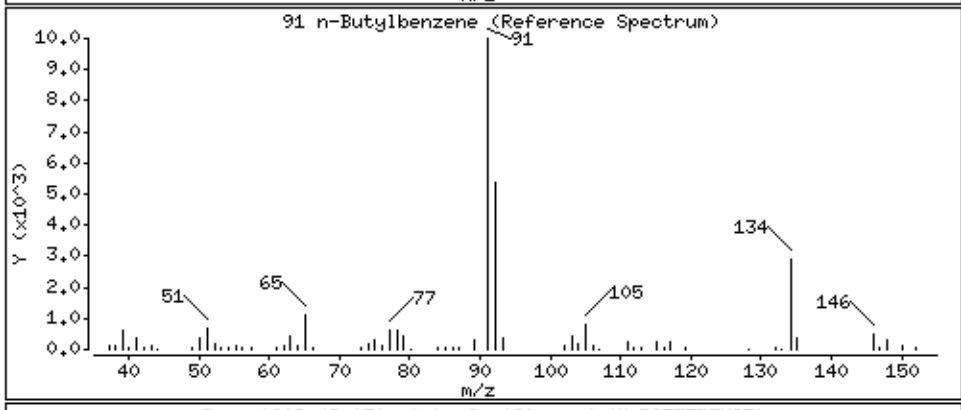
Review Code:

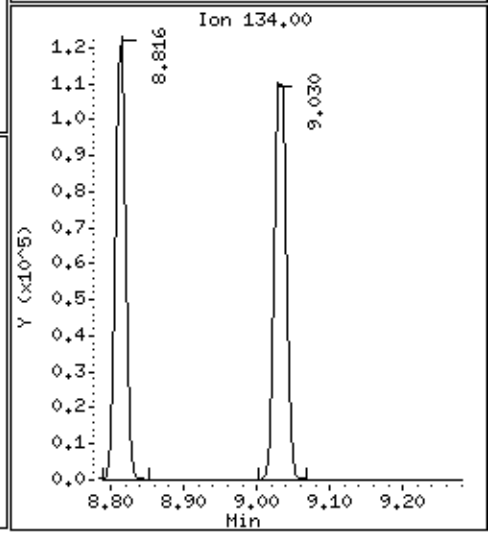


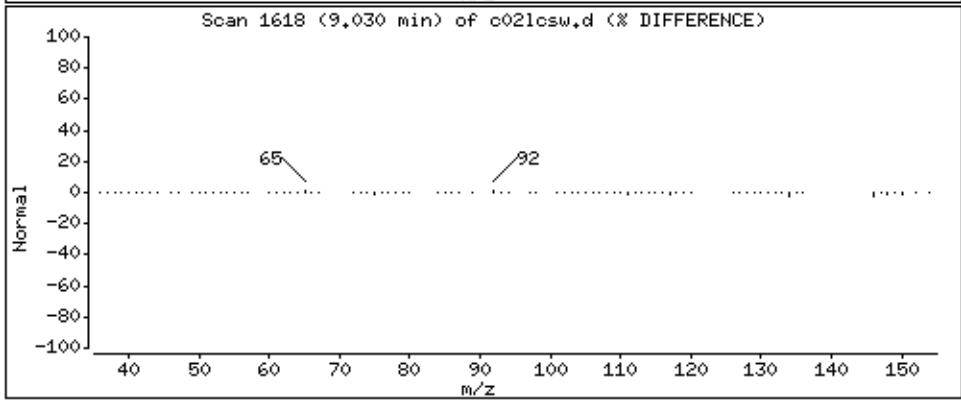












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

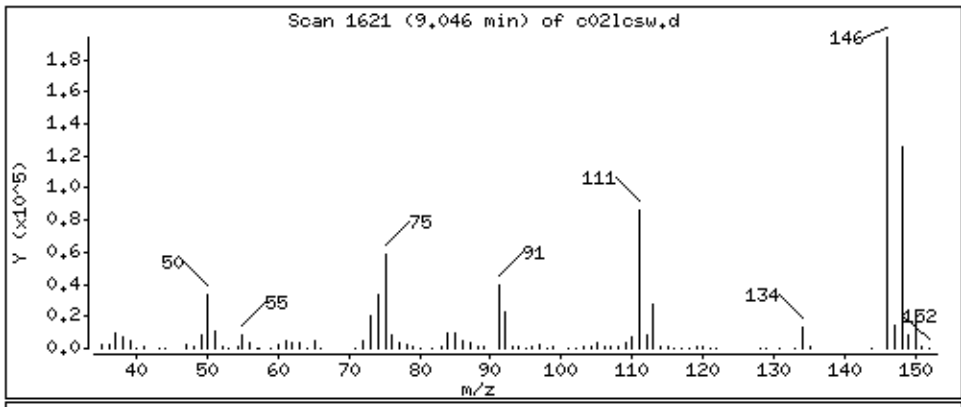
Column phase: DB-624

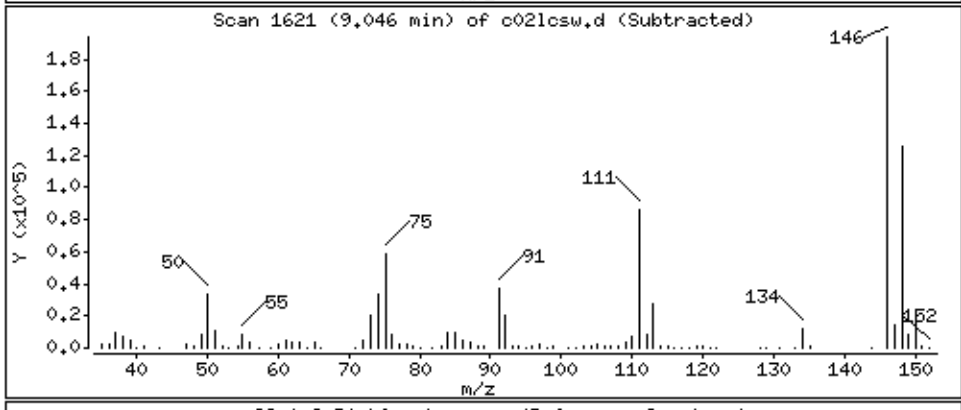
Column diameter: 0.18

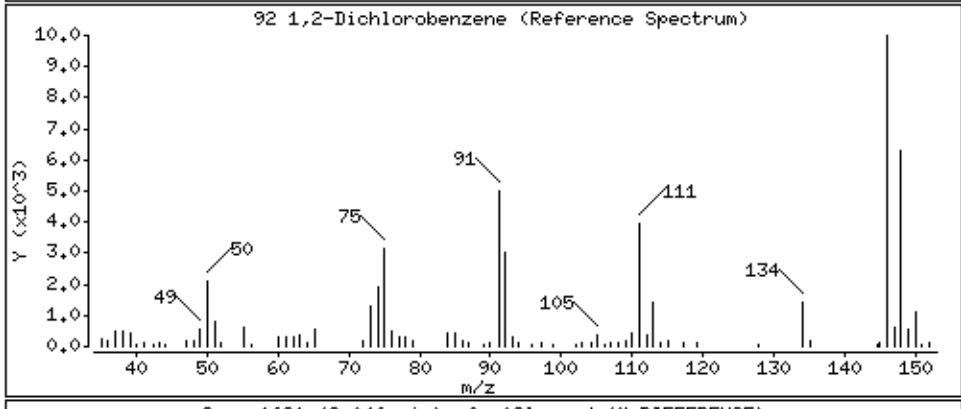
92 1,2-Dichlorobenzene

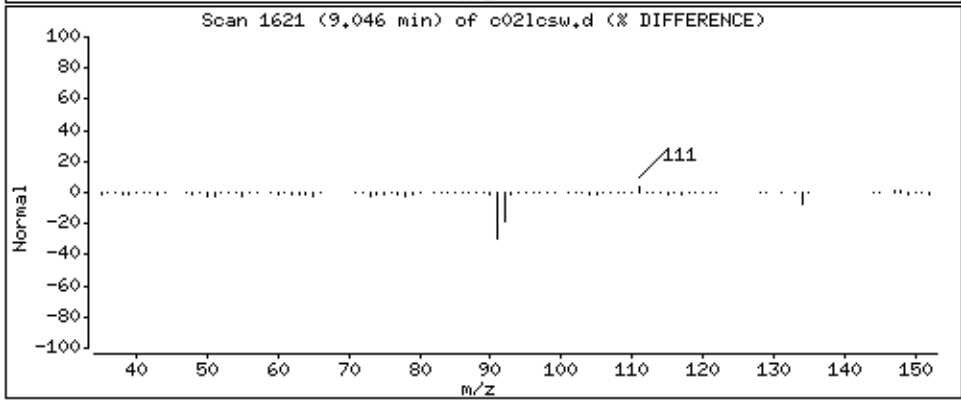
Concentration: 47.0 ppb

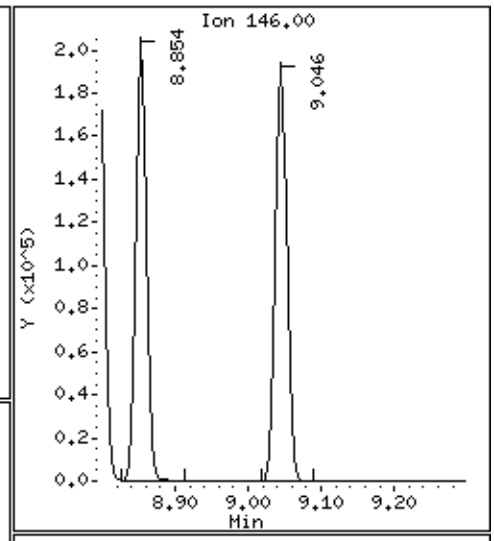
Review Code:

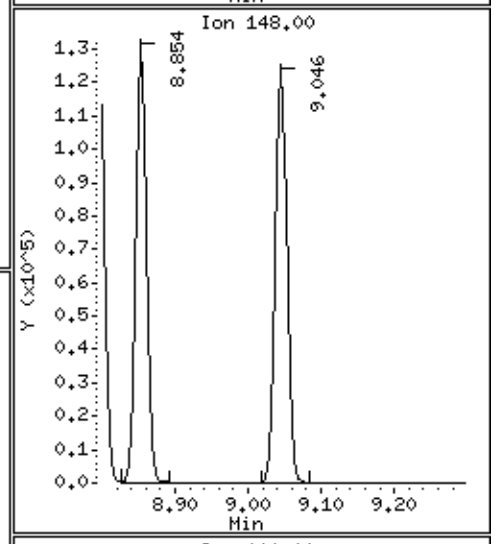


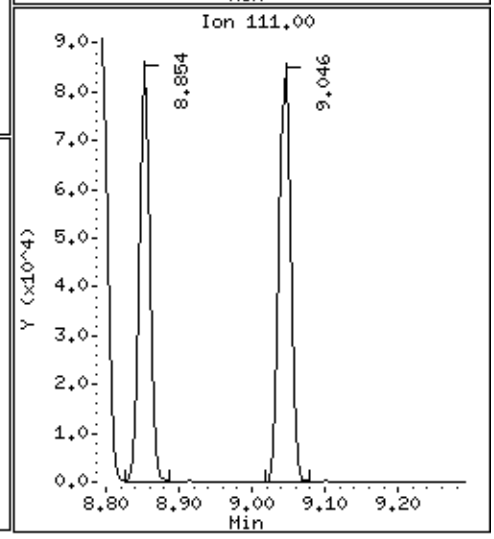












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

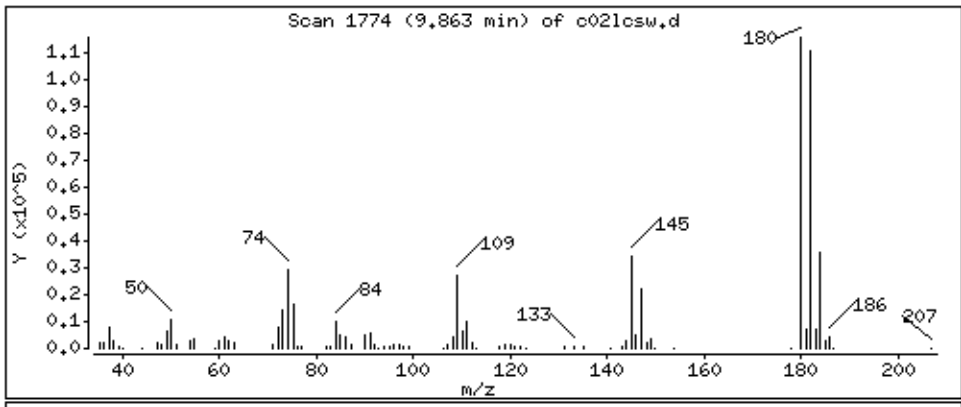
Column phase: DB-624

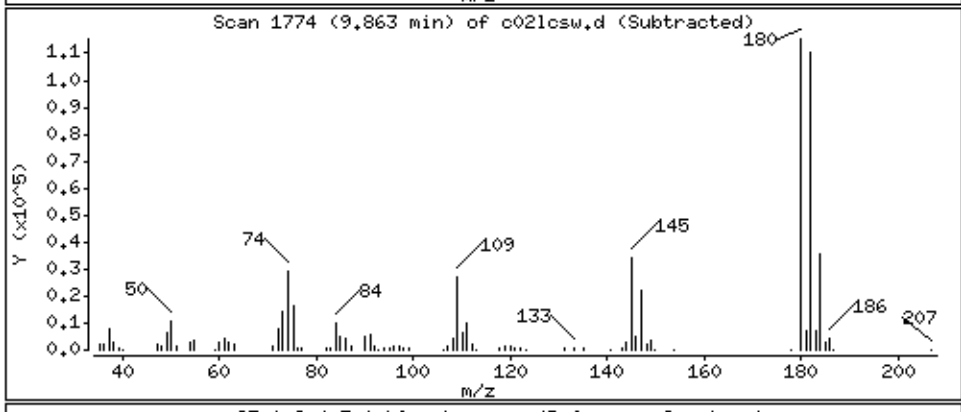
Column diameter: 0.18

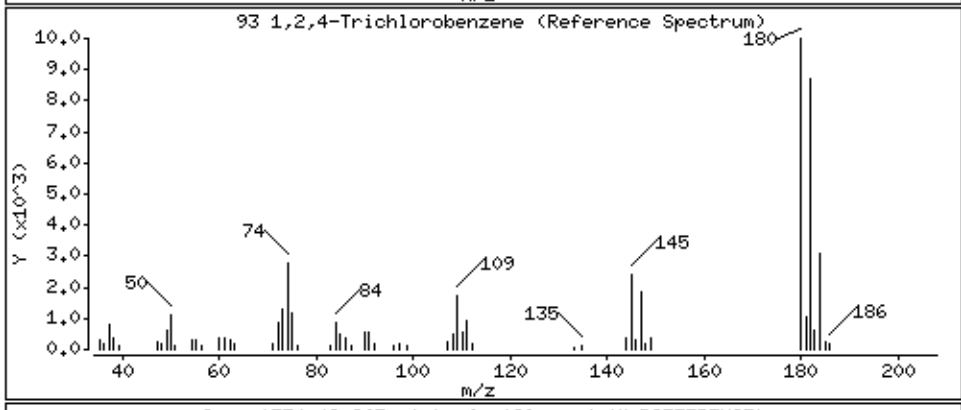
93 1,2,4-Trichlorobenzene

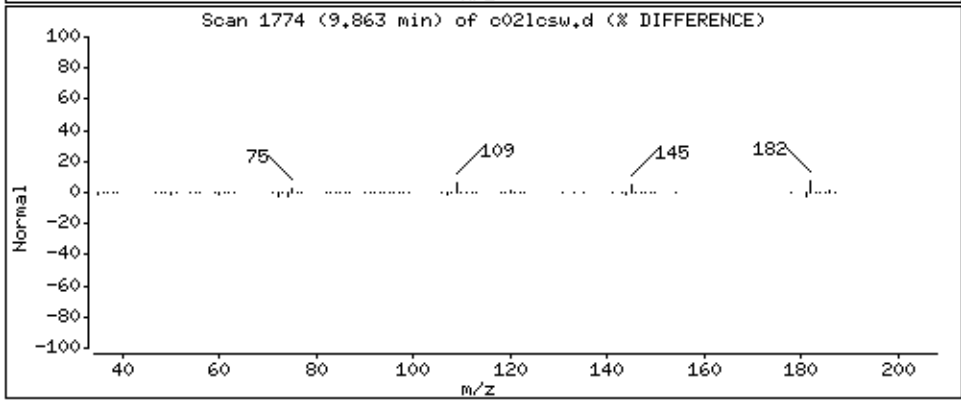
Concentration: 47.9 ppb

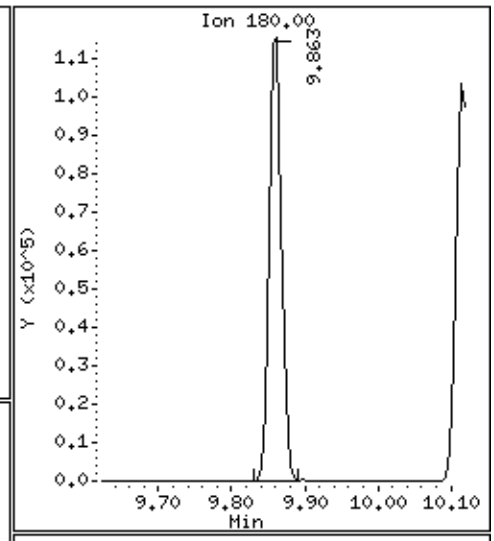
Review Code:

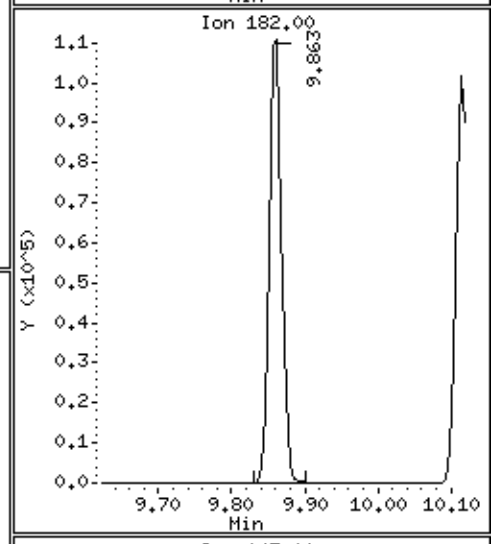


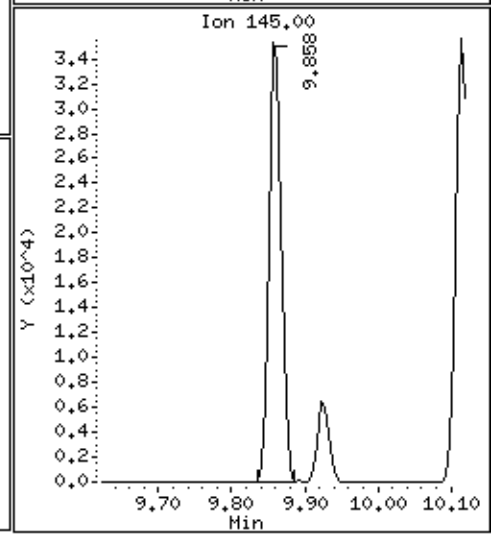












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

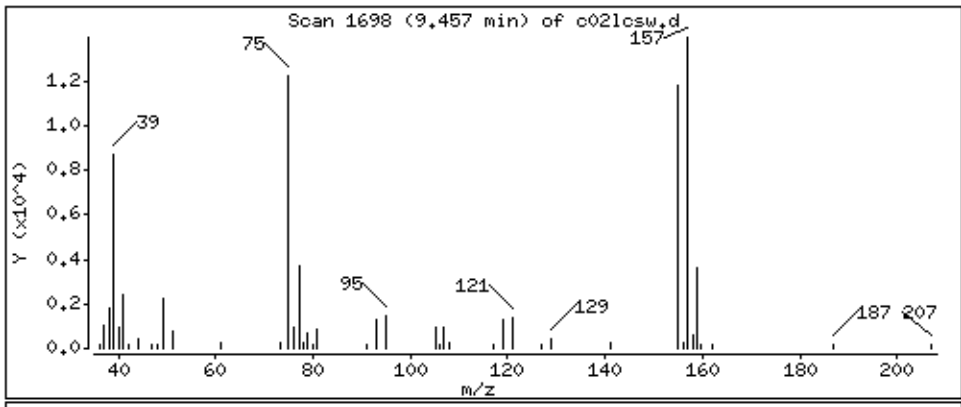
Column phase: DB-624

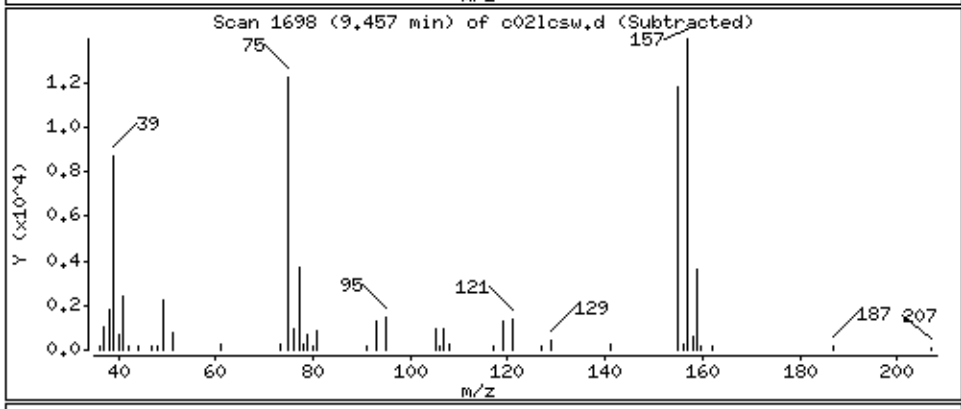
Column diameter: 0.18

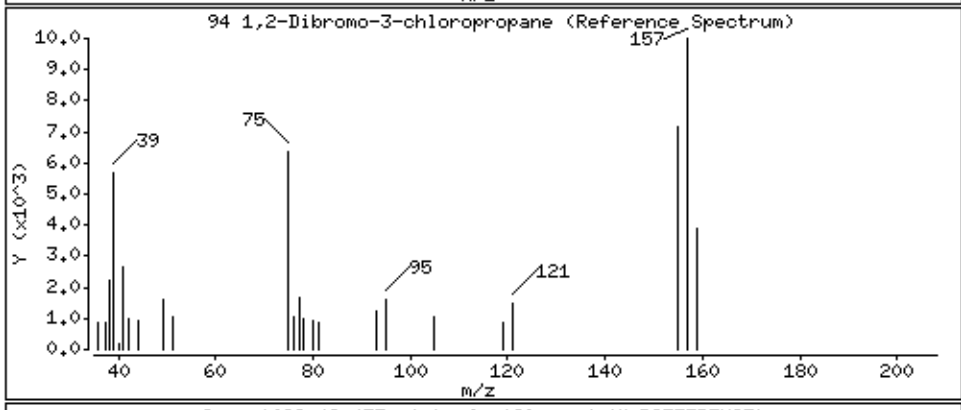
94 1,2-Dibromo-3-chloropropane

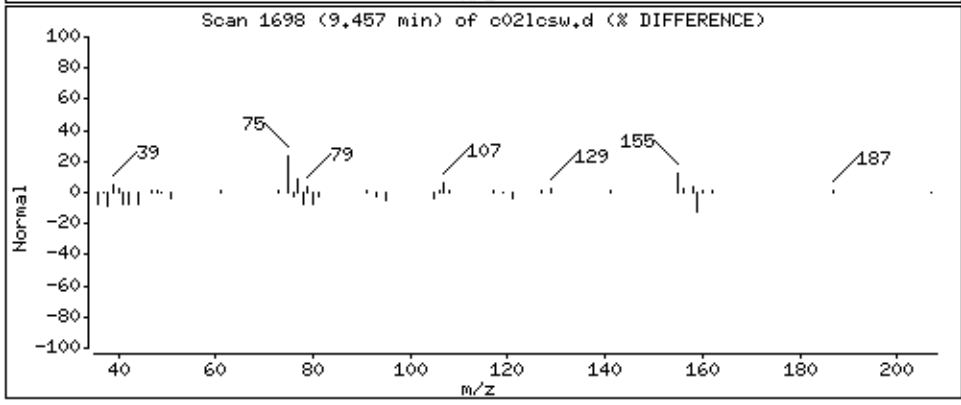
Concentration: 55.6 ppb

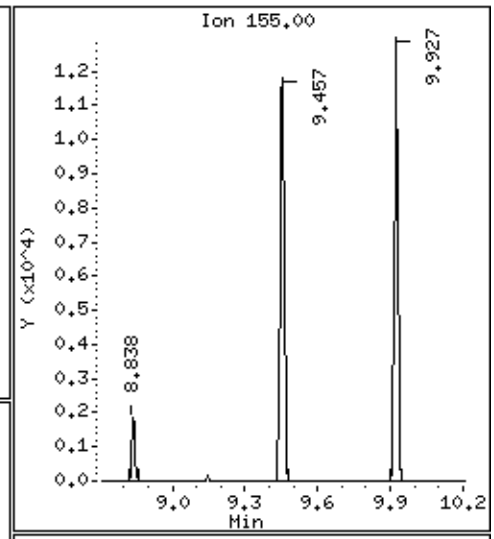
Review Code:

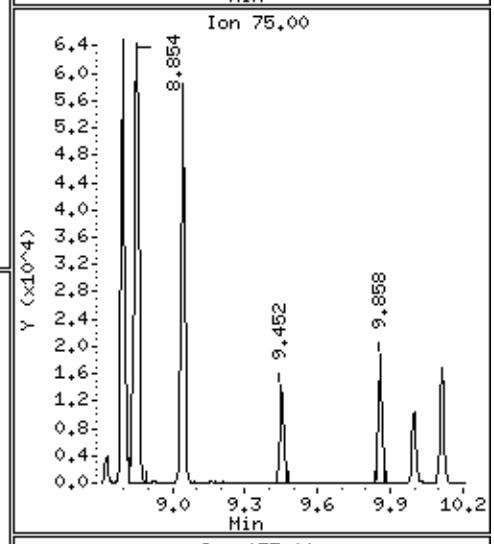


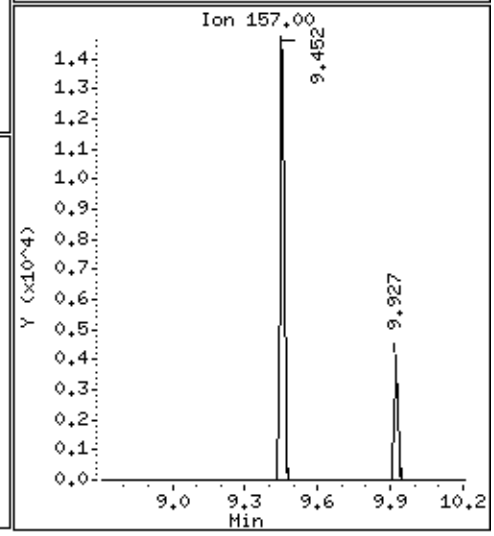












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Page 93

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

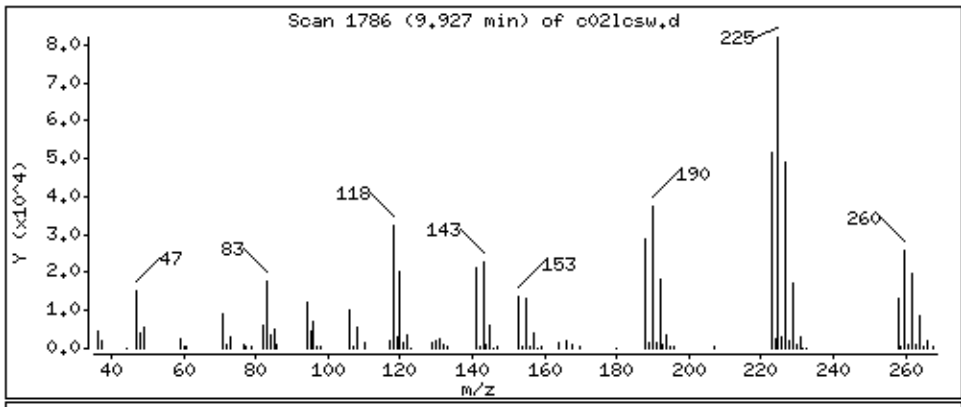
Column phase: DB-624

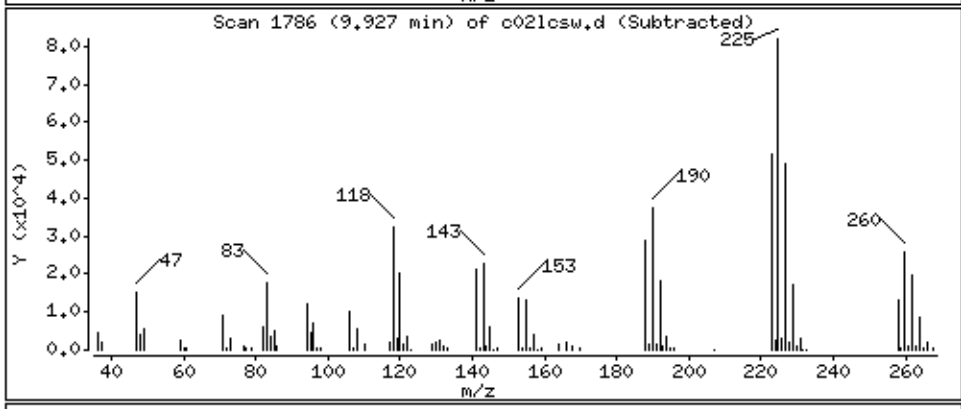
Column diameter: 0.18

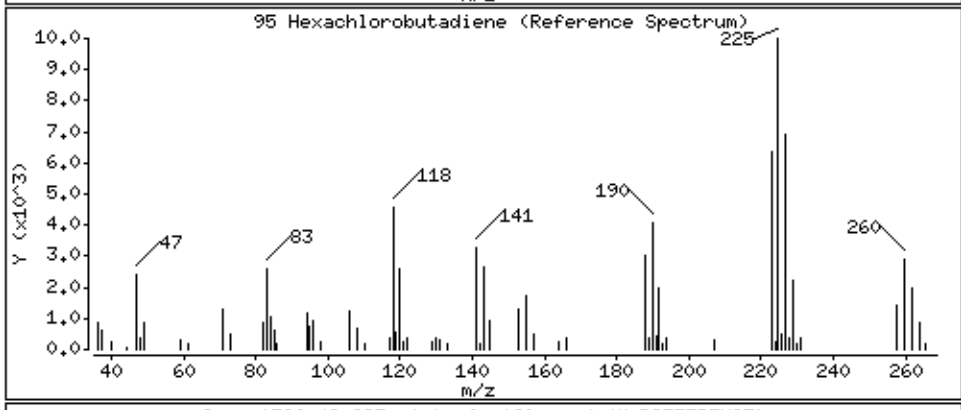
95 Hexachlorobutadiene

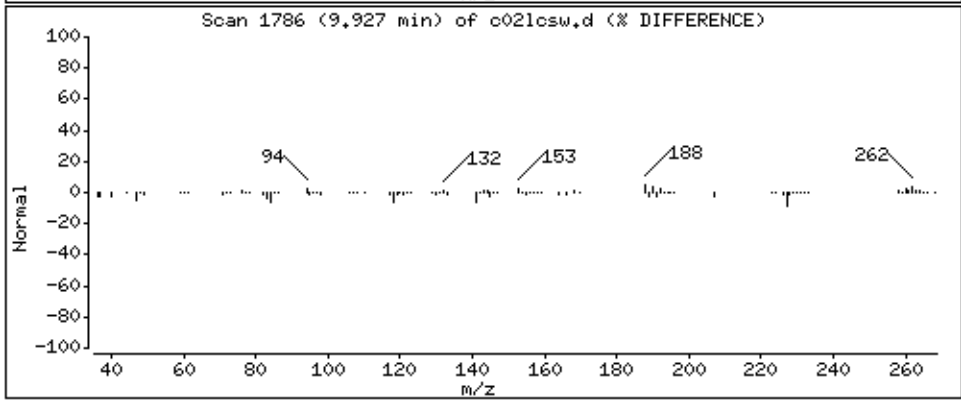
Concentration: 50.6 ppb

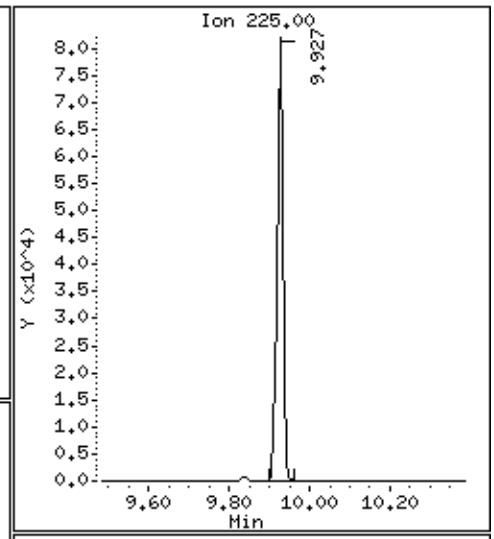
Review Code:

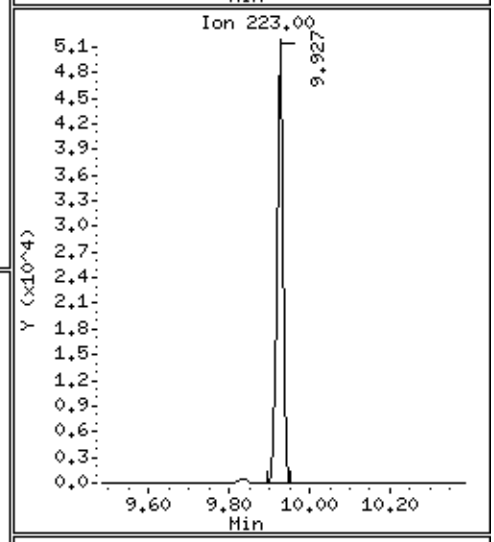


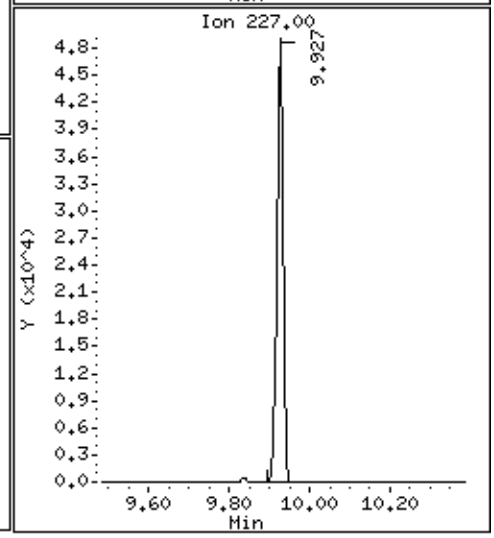












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

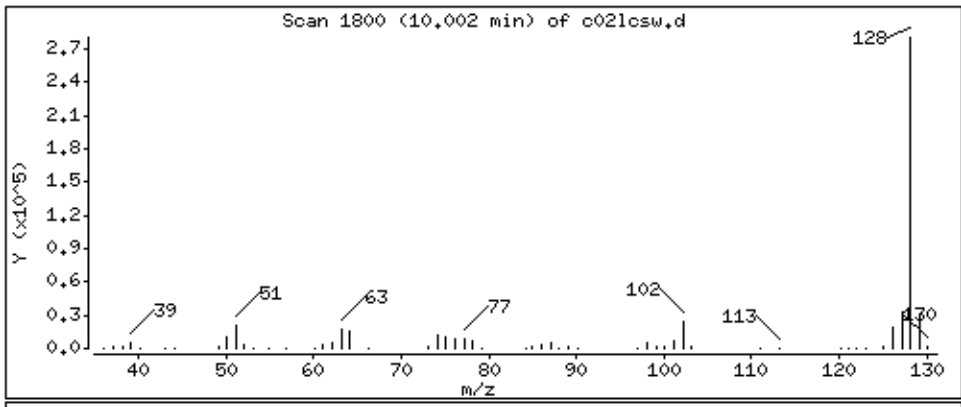
Column phase: DB-624

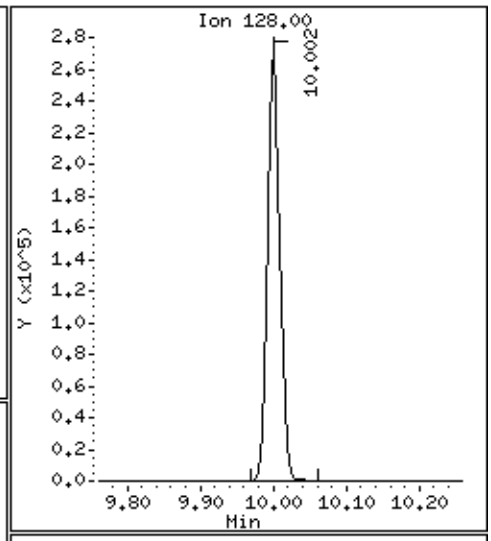
Column diameter: 0.18

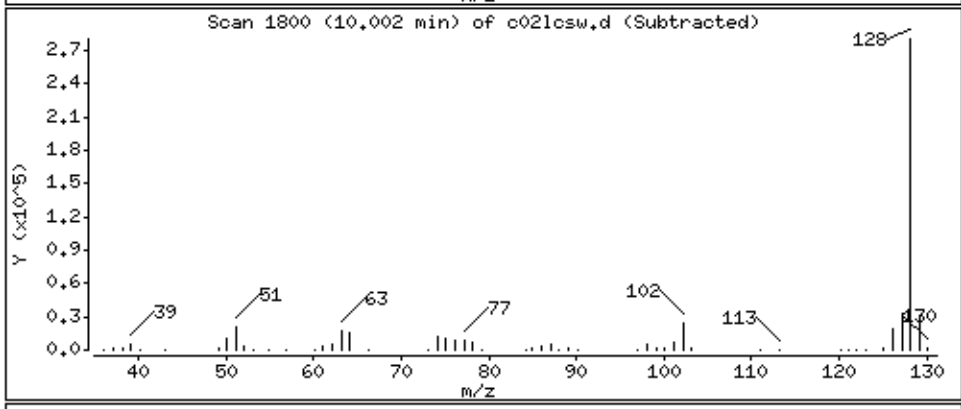
96 Naphthalene

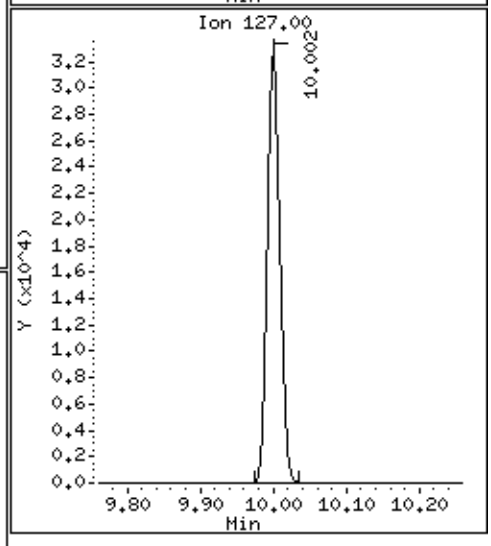
Concentration: 53.8 ppb

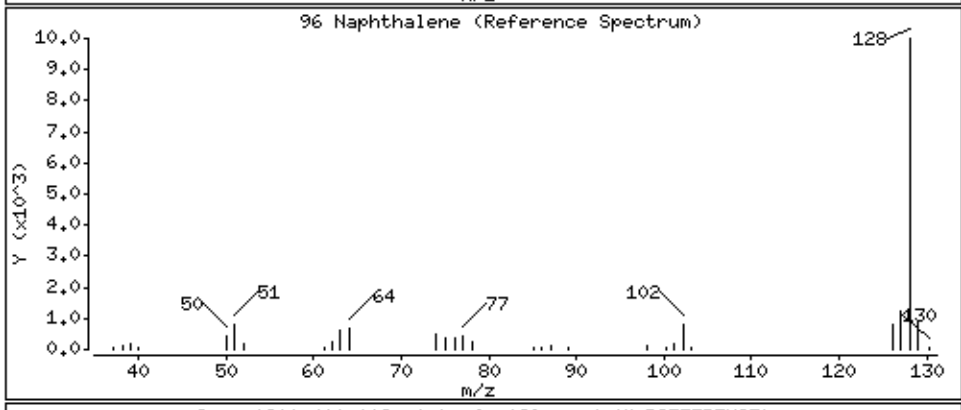
Review Code:

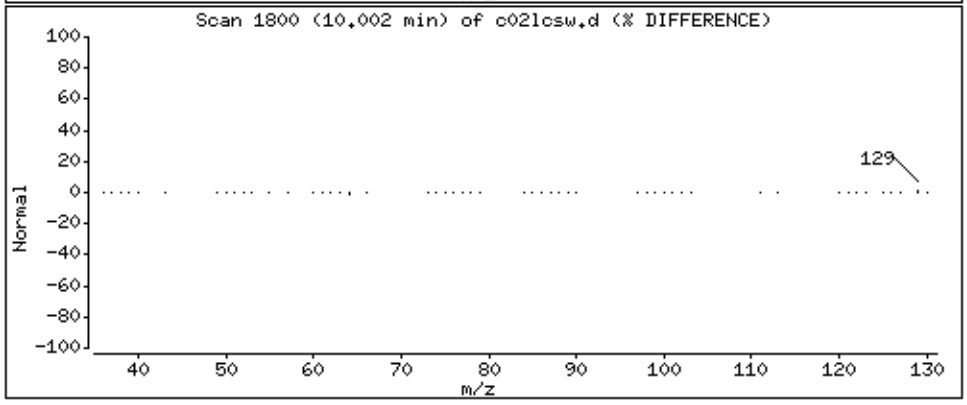












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

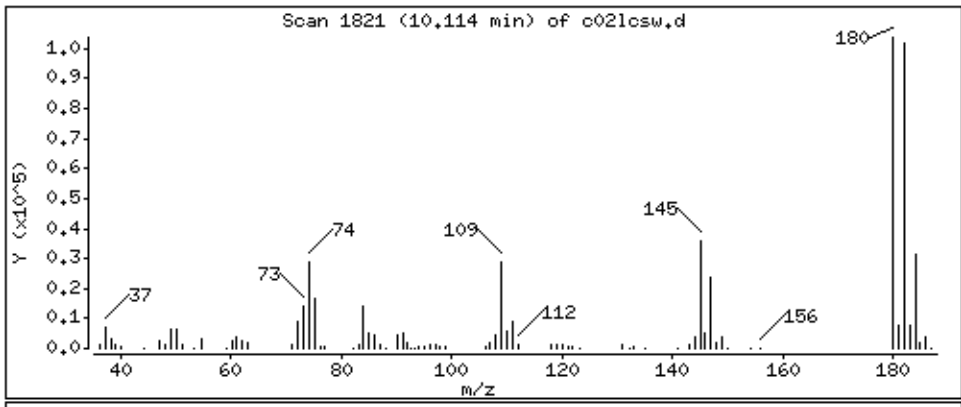
Column phase: DB-624

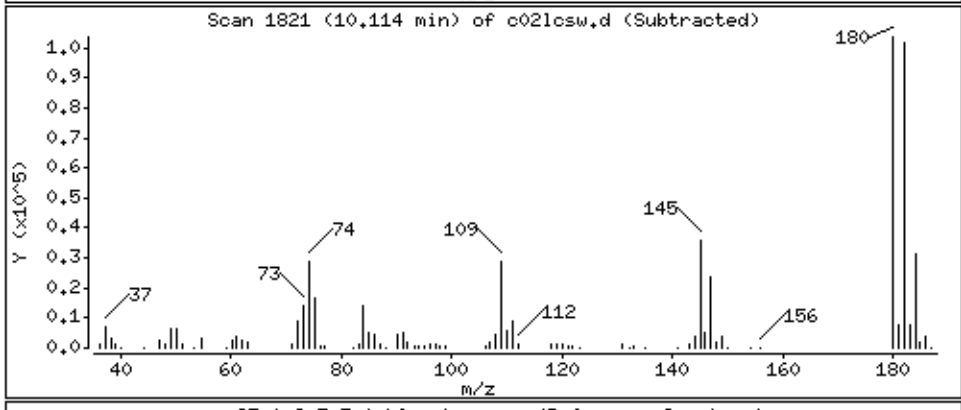
Column diameter: 0.18

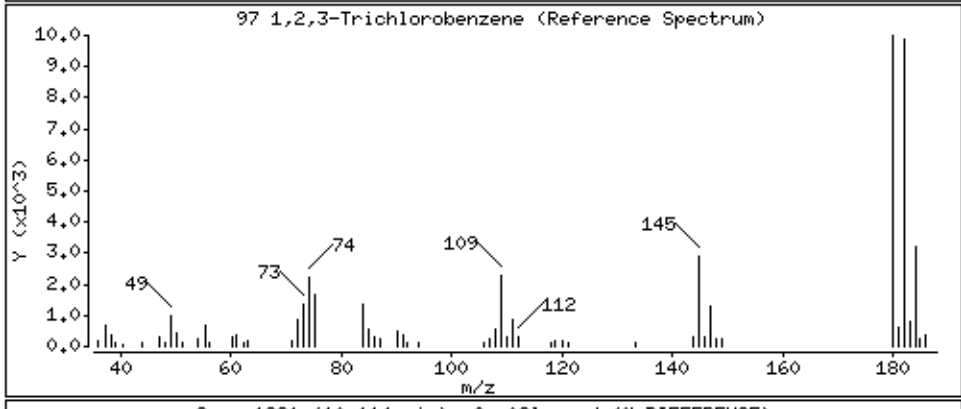
97 1,2,3-Trichlorobenzene

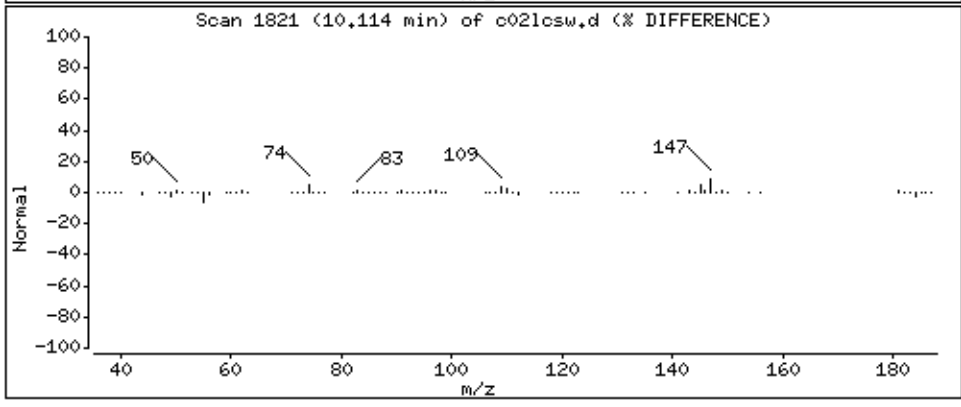
Concentration: 47.9 ppb

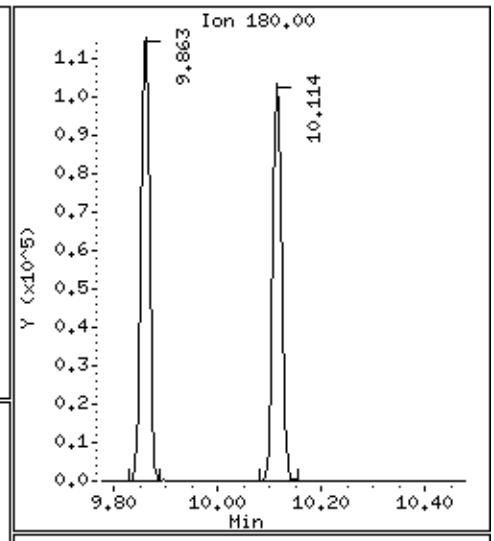
Review Code:

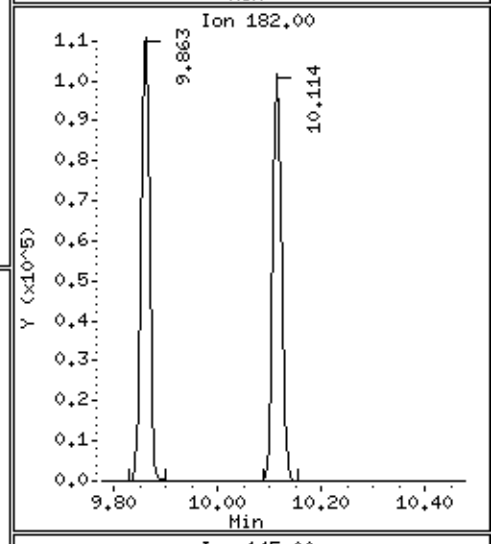


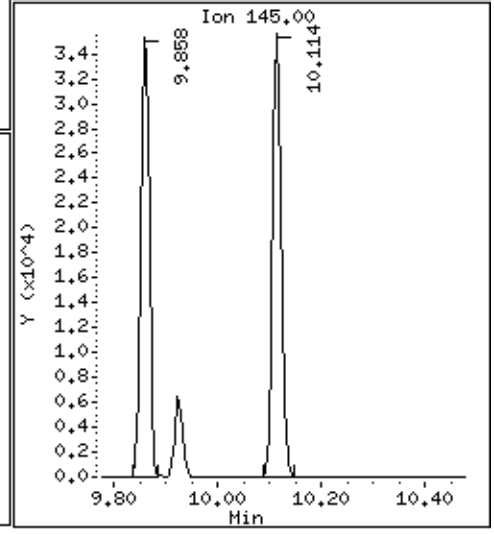












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c02lcsw.d

Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

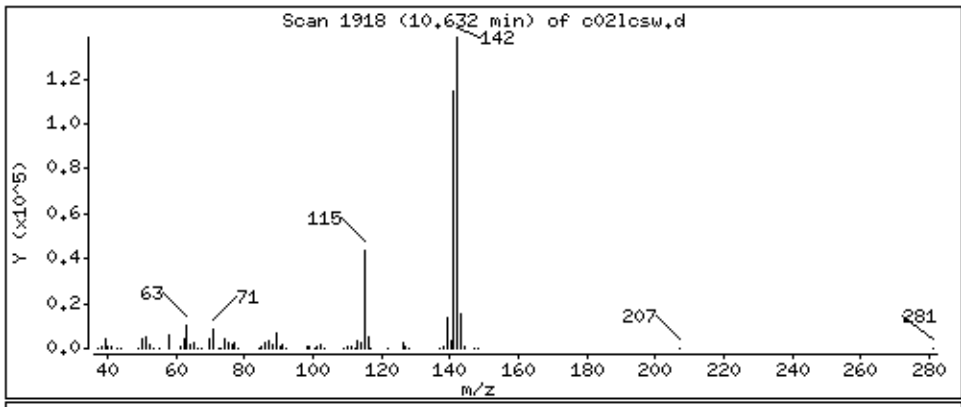
Column phase: DB-624

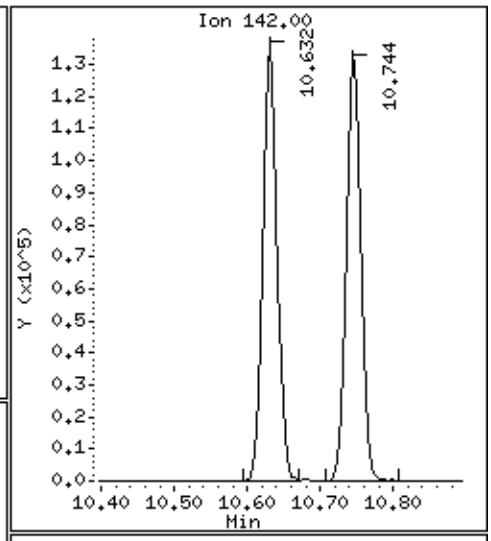
Column diameter: 0.18

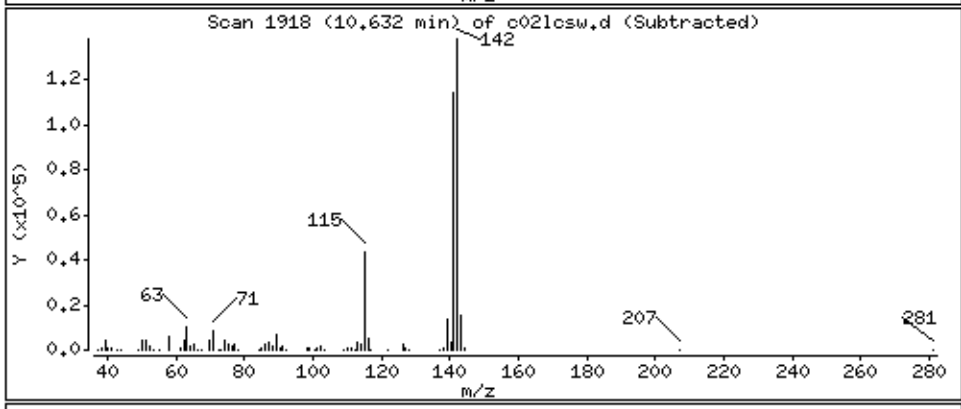
98 2,methyl-naphthalene

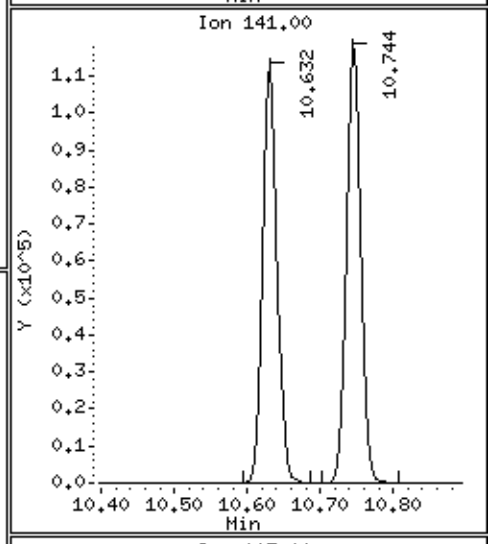
Concentration: 49.2 ppb

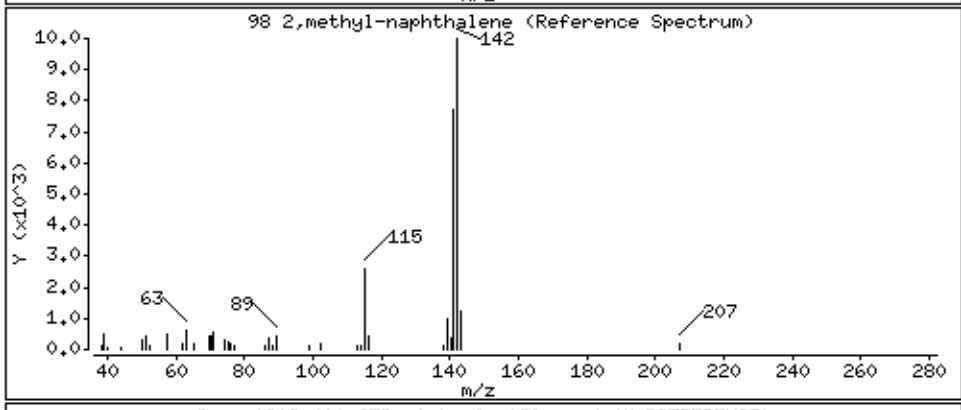
Review Code:

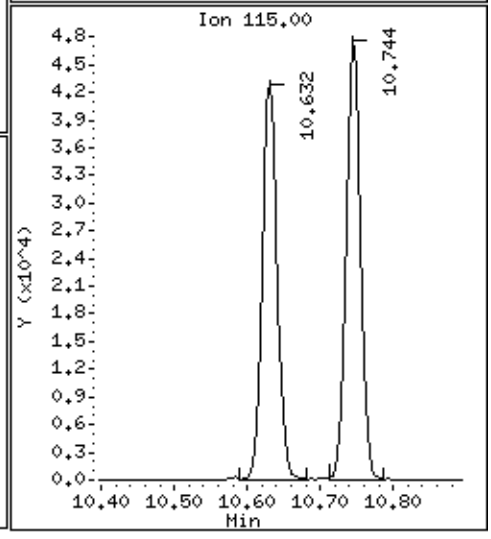


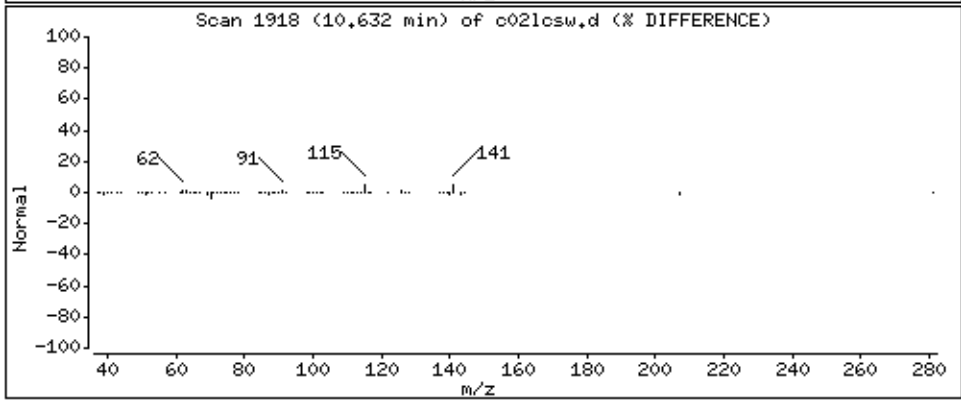












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Date : 07-OCT-2016 01:17

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1642765,132007:5

Purge Volume: 5.0

Operator: jlz

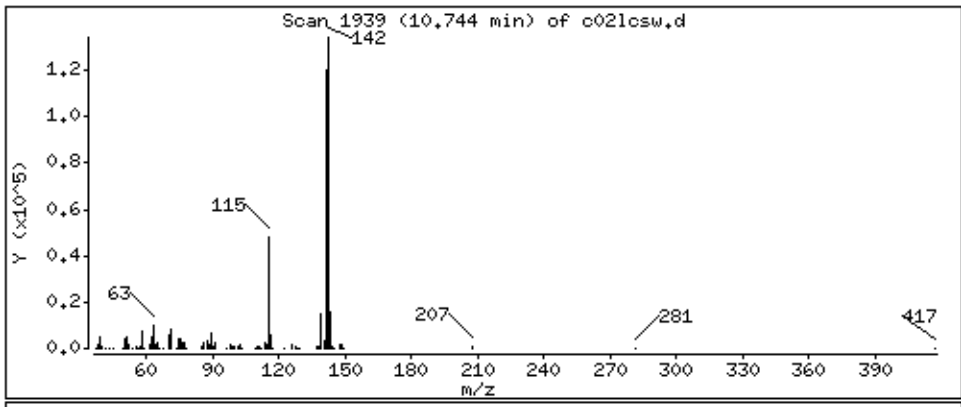
Column phase: DB-624

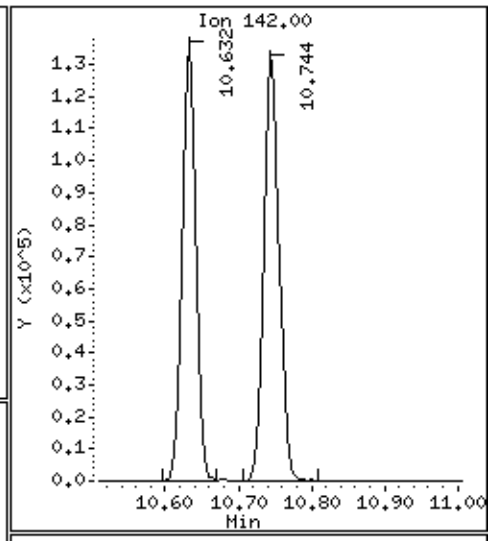
Column diameter: 0.18

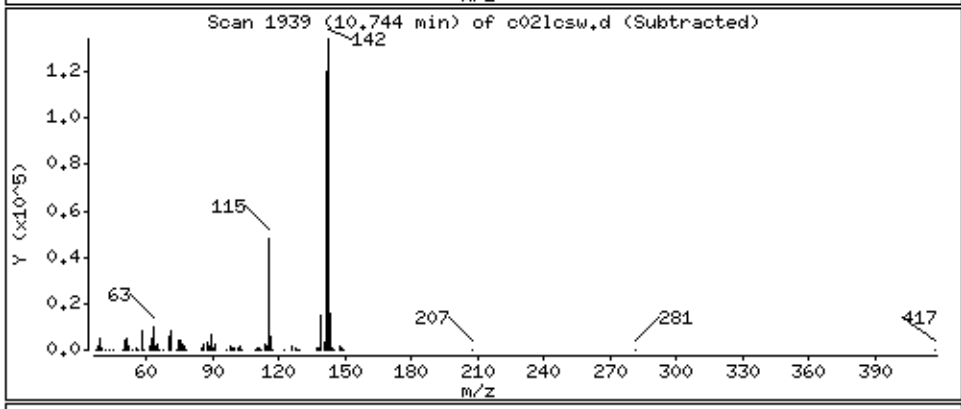
99 1-Methylnaphthalene

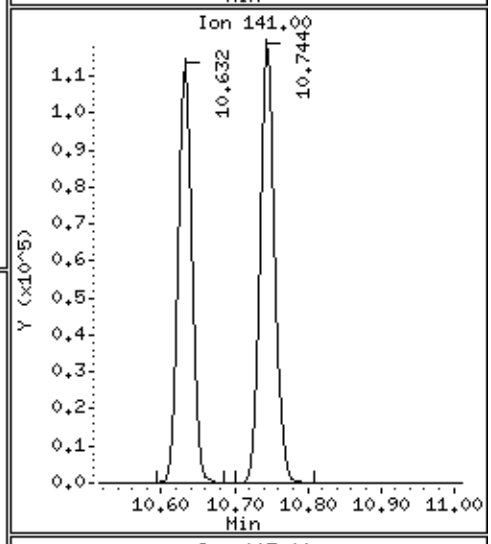
Concentration: 59.7 ppb

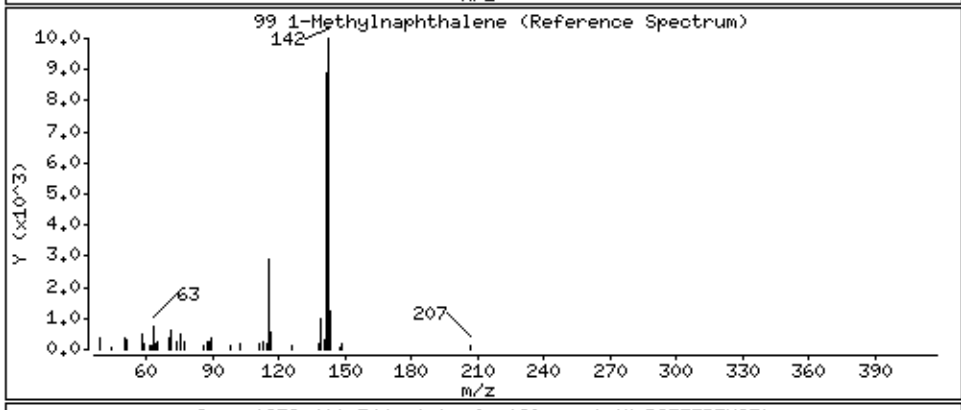
Review Code:

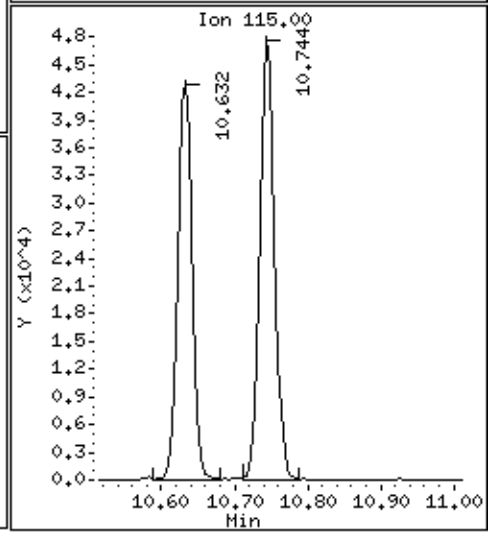


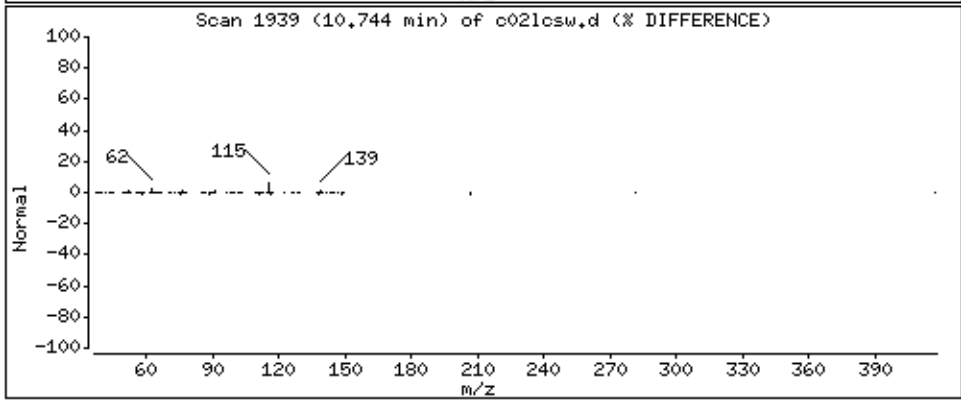












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c02lcsw.d
Injection Date: 07-OCT-2016 01:17
Instrument: 50mv3a.i
Lab Sample ID: 1642765
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:05 Lab Sample ID: 1642766

Date Analyzed: 10/07/2016 06:05 Lab File ID: A100616.B\C11.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	446	
71-43-2	Benzene	41.5	
75-27-4	Bromodichloromethane	46.7	
75-25-2	Bromoform	45.1	
74-83-9	Bromomethane	42.2	
78-93-3	2-Butanone (MEK)	286	
75-15-0	Carbon disulfide	43.4	
56-23-5	Carbon tetrachloride	39.2	
108-90-7	Chlorobenzene	30.1	
75-00-3	Chloroethane	43.3	
67-66-3	Chloroform	42.6	
74-87-3	Chloromethane	44.4	
110-82-7	Cyclohexane	44.1	J
96-12-8	1,2-Dibromo-3-chloropropane	54.1	
124-48-1	Dibromochloromethane	44.1	
106-93-4	1,2-Dibromoethane (EDB)	47.7	
95-50-1	1,2-Dichlorobenzene	27.3	
541-73-1	1,3-Dichlorobenzene	23.0	
106-46-7	1,4-Dichlorobenzene	22.1	
75-71-8	Dichlorodifluoromethane	50.4	
75-34-3	1,1-Dichloroethane	45.0	
107-06-2	1,2-Dichloroethane	43.1	
75-35-4	1,1-Dichloroethene	44.1	
156-59-2	cis-1,2-Dichloroethene	42.8	
156-60-5	trans-1,2-Dichloroethene	42.9	
78-87-5	1,2-Dichloropropane	48.3	
10061-01-5	cis-1,3-Dichloropropene	39.9	
10061-02-6	trans-1,3-Dichloropropene	41.9	
100-41-4	Ethylbenzene	28.2	
591-78-6	2-Hexanone	289	
98-82-8	Isopropylbenzene (Cumene)	24.2	
79-20-9	Methyl acetate	53.4	
108-87-2	Methylcyclohexane	42	J
75-09-2	Methylene Chloride	58.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	268	
1634-04-4	Methyl-tert-butyl ether	51.7	
100-42-5	Styrene	30.2	

SAMPLE NO.

MS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:05 Lab Sample ID: 1642766

Date Analyzed: 10/07/2016 06:05 Lab File ID: A100616.B\C11.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	49.4	
127-18-4	Tetrachloroethene	26.6	
108-88-3	Toluene	31.3	
120-82-1	1,2,4-Trichlorobenzene	25.6	
71-55-6	1,1,1-Trichloroethane	38.7	
79-00-5	1,1,2-Trichloroethane	47.9	
79-01-6	Trichloroethene	34.4	
75-69-4	Trichlorofluoromethane	42.6	
76-13-1	1,1,2-Trichlorotrifluoroethane	42.3	
75-01-4	Vinyl chloride	48.1	
1330-20-7	Xylene (Total)	82.4	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d
Lab Smp Id: 1642766 Client Smp ID: MW-0503-S1(092716)P
Inj Date : 07-OCT-2016 06:05
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1642766,132007:5
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 69 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.905	0.908	(0.217)	119325	50.4272	50.4	
2 Chloromethane	50	0.991	0.994	(0.238)	128923	44.3947	44.4	
3 Vinyl Chloride	62	1.039	1.036	(0.250)	146844	48.1294	48.1	
4 Bromomethane	94	1.183	1.181	(0.284)	59562	42.1786	42.2	
5 Chloroethane	64	1.226	1.229	(0.294)	78089	43.3376	43.3	
6 Trichlorofluoromethane	101	1.343	1.341	(0.323)	144646	42.5696	42.6	
7 Diethyl ether	74	1.466	1.464	(0.352)	62029	47.2285	47.2	
8 1,2-dichlorotrifluoroethane	67	1.482	1.480	(0.356)	122457	41.6538	41.6	
9 Acrolein	56	1.535	1.538	(0.369)	246826	1055.45	1060	
10 1,1,2trichlorotrifluoroethane	101	1.589	1.592	(0.382)	106303	42.3186	42.3	
11 1,1-Dichloroethene	96	1.594	1.592	(0.383)	90677	44.1094	44.1	
12 Acetone	43	1.605	1.602	(0.386)	185783	446.194	446(R)	
13 Iodomethane	142	1.679	1.683	(0.403)	194961	100.582	100	
14 Carbon Disulfide	76	1.728	1.731	(0.415)	275670	43.3916	43.4	
15 Methyl Acetate	43	1.776	1.773	(0.427)	67144	53.4349	53.4	
16 allyl chloride	41	1.786	1.789	(0.429)	353512	87.7145	87.7	
17 Acetonitrile	39	1.786	1.789	(0.429)	218292	37.5775	37.6	
18 Methylene Chloride	84	1.866	1.864	(0.448)	121138	58.6043	58.6	
19 Acrylonitrile	53	2.000	1.998	(0.480)	121272	228.157	228	
20 Methyl-tert-butyl ether	73	2.027	2.024	(0.487)	287543	51.7355	51.7	
21 tert-Butyl Alcohol	59	1.904	1.902	(0.457)	19996	125.138	125(Q)	
22 1,2-Dichloroethene (trans)	96	2.037	2.035	(0.489)	99336	42.9056	42.9	

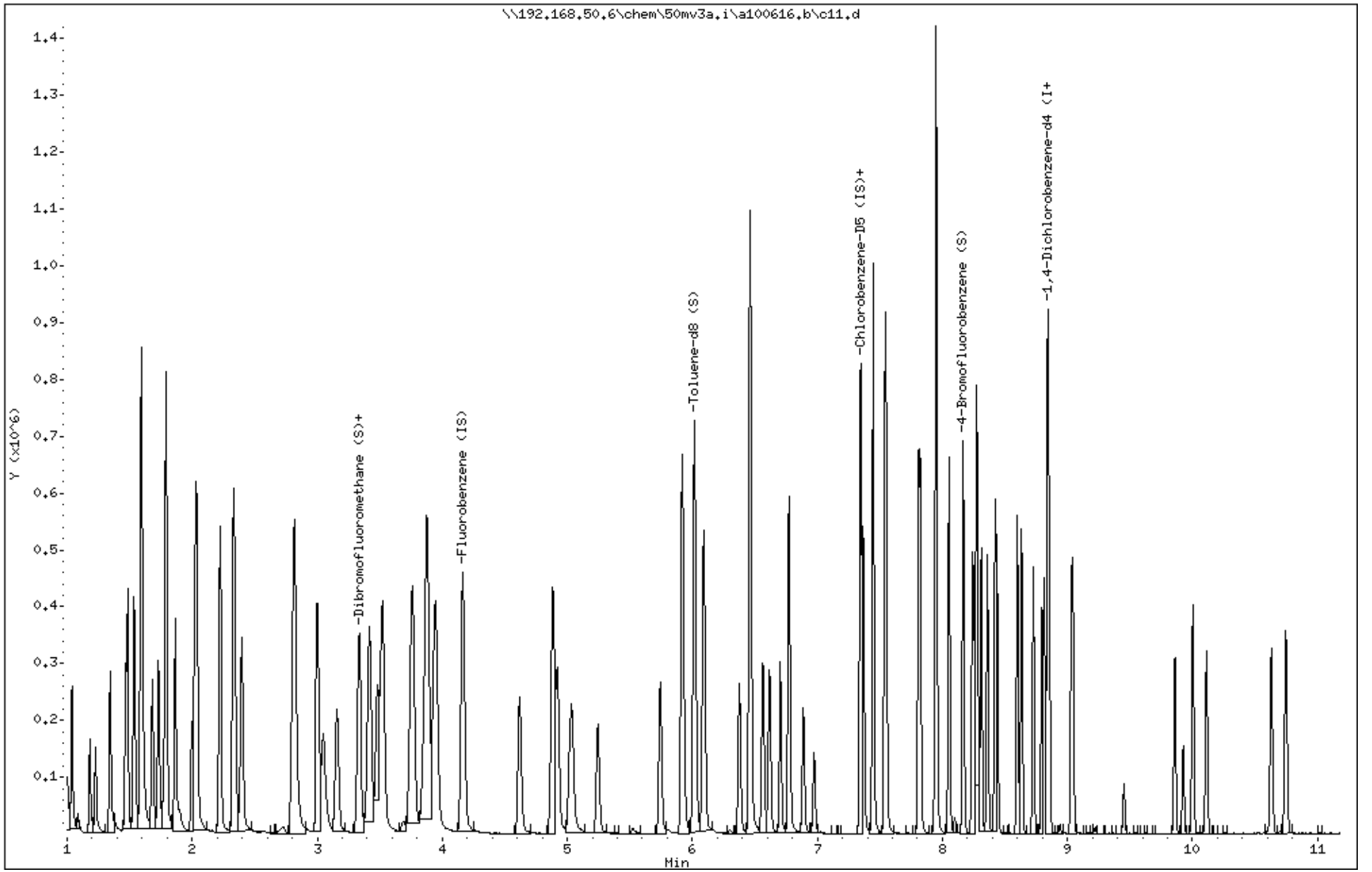
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 n-Hexane	57	2.219	2.222	(0.533)	209169	45.4924	45.5	
	24 Vinyl Acetate	43	2.331	2.329	(0.560)	542096	149.131	149	
	25 1,1-Dichloroethane	63	2.342	2.340	(0.563)	195583	45.0214	45.0	
	26 Chloroprene	53	2.395	2.398	(0.575)	174812	38.8351	38.8	
	27 2-Butanone	72	2.801	2.799	(0.673)	44369	285.682	286(Q)	
	28 1,2-Dichloroethene (cis)	96	2.817	2.815	(0.677)	106115	42.7807	42.8(Q)	
	29 2,2-Dichloropropane	77	2.822	2.820	(0.678)	138521	40.2313	40.2	
	30 Propionitrile	54	2.860	2.863	(0.687)	10443	47.2936	47.3(Q)	
	31 Methacrylonitrile	41	2.999	3.002	(0.720)	230084	223.385	223	
	32 Bromochloromethane	49	3.052	3.045	(0.733)	80633	45.3256	45.3	
	33 Tetrahydrofuran	42	3.068	3.066	(0.737)	24705	52.8339	52.8	
	34 Chloroform	83	3.154	3.157	(0.758)	170640	42.5598	42.6	
$	35 Dibromofluoromethane (S)	113	3.335	3.328	(0.801)	101879	48.5959	48.6	
	36 1,1,1-Trichloroethane	97	3.335	3.333	(0.801)	146833	38.6714	38.7	
	37 Cyclohexane	56	3.421	3.418	(0.822)	200745	44.0875	44.1	
	38 n-Butyl chloride	56	3.479	3.483	(0.836)	228832	40.2498	40.2	
	39 Carbon Tetrachloride	117	3.517	3.520	(0.845)	124653	39.2238	39.2	
	40 1,1-Dichloropropene	75	3.522	3.525	(0.846)	133592	38.9838	39.0(R)	
	41 Benzene	78	3.763	3.766	(0.904)	395481	41.4595	41.4	
	42 1,2-Dichloroethane	62	3.848	3.851	(0.924)	124807	43.1191	43.1	
	43 2,2,4-Trimethylpentane	57	3.944	3.942	(0.947)	506680	44.1528	44.2	
	44 Isobutyl alcohol	43	3.880	3.878	(0.932)	789547	50.7266	50.7	
*	45 Fluorobenzene (IS)	96	4.163	4.166	(1.000)	463629	50.0000		
	46 Trichloroethene	95	4.622	4.620	(1.110)	83107	34.4155	34.4(R)	
	47 Methylcyclohexane	55	4.884	4.887	(1.173)	155682	41.9978	42.0(R)	
	48 1,2-Dichloropropane	63	4.922	4.925	(1.182)	108026	48.2674	48.3	
	49 Dibromomethane	93	5.018	5.021	(1.205)	50190	49.0600	49.1	
	50 1,4-Dioxane	88	5.023	5.031	(1.207)	18567	1324.32	1320	
	51 Methyl methacrylate	69	5.039	5.042	(1.210)	63075	62.9897	63.0	
	52 Bromodichloromethane	83	5.247	5.245	(1.260)	120602	46.7398	46.7	
	54 cis-1,3-Dichloropropene	75	5.744	5.742	(0.782)	140735	39.8843	39.9	
	55 4-Methyl-2-Pentanone	43	5.915	5.918	(0.805)	433283	267.513	268	
$	56 Toluene-d8 (S)	98	6.016	6.020	(0.819)	445030	45.7563	45.8	
	57 Toluene	91	6.091	6.089	(0.829)	360911	31.2559	31.2(R)	
	58 trans-1,3-Dichloropropene	75	6.380	6.377	(0.868)	119791	41.9050	41.9	
	59 Ethyl Methacrylate	69	6.465	6.463	(0.880)	476295	224.337	224	
	60 1,1,2-Trichloroethane	83	6.561	6.564	(0.893)	65769	47.8514	47.8	
	61 Tetrachloroethene	166	6.615	6.618	(0.900)	69790	26.6099	26.6(R)	
	62 1,3-Dichloropropane	76	6.705	6.703	(0.913)	136129	47.0569	47.0	
	63 2-Hexanone	43	6.775	6.773	(0.922)	297037	289.054	289	
	64 Dibromochloromethane	129	6.887	6.890	(0.937)	84981	44.1212	44.1	
	65 1,2-Dibromoethane	107	6.972	6.970	(0.949)	70598	47.6624	47.7	
*	66 Chlorobenzene-D5 (IS)	117	7.346	7.344	(1.000)	313673	50.0000		
	67 Chlorobenzene	112	7.368	7.365	(1.003)	194328	30.1088	30.1(R)	
	68 1,1,1,2-Tetrachloroethane	131	7.443	7.440	(1.013)	80791	39.6830	39.7	
	69 Ethylbenzene	106	7.448	7.451	(1.014)	99878	28.2059	28.2(R)	
	70 m&p-Xylene	106	7.549	7.547	(1.028)	232378	53.4565	53.4(R)	
	71 o-Xylene	106	7.806	7.809	(1.063)	116477	28.9410	28.9(R)	
	72 Styrene	104	7.822	7.825	(1.065)	196538	30.1683	30.2(R)	
	73 Bromoform	173	7.945	7.942	(0.899)	43812	45.1122	45.1	
	74 Isopropylbenzene	105	8.051	8.054	(1.096)	270112	24.2302	24.2(R)	
$	75 4-Bromofluorobenzene (S)	95	8.164	8.161	(1.111)	147866	52.8710	52.9	
	76 Bromobenzene	77	8.244	8.241	(1.122)	115924	31.6527	31.6(R)	
	77 1,1,2,2-Tetrachloroethane	83	8.254	8.257	(0.934)	86369	49.3626	49.4	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.276	8.273	(1.126)	93343	182.813	183(Q)	
79	1,2,3-Trichloropropane	110	8.281	8.284	(0.937)	26758	48.2003	48.2(Q)	
80	n-Propylbenzene	91	8.313	8.311	(0.940)	257392	20.6176	20.6(R)	
81	2-Chlorotoluene	91	8.361	8.359	(0.946)	176265	25.2361	25.2(R)	
82	1,3,5-Trimethylbenzene	105	8.420	8.423	(0.952)	184741	21.8908	21.9(R)	
83	4-Chlorotoluene	126	8.436	8.434	(0.954)	54572	22.0837	22.1(R)	
84	tert-Butylbenzene	119	8.602	8.599	(0.973)	170128	17.6601	17.7(R)	
85	1,2,4-Trimethylbenzene	105	8.634	8.637	(0.976)	188342	22.1285	22.1(R)	
86	sec-Butylbenzene	105	8.730	8.727	(0.987)	210651	18.3968	18.4(R)	
87	1,3-Dichlorobenzene	146	8.794	8.797	(0.995)	102722	23.0249	23.0(R)	
88	p-Isopropyltoluene	119	8.815	8.813	(0.997)	159517	16.7092	16.7(R)	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.840	(1.000)	139115	50.0000		
90	1,4-Dichlorobenzene	146	8.853	8.856	(1.001)	102069	22.0828	22.1(R)	
91	n-Butylbenzene	91	9.034	9.032	(1.022)	121065	14.0348	14.0(R)	
92	1,2-Dichlorobenzene	146	9.045	9.048	(1.023)	110308	27.2985	27.3(R)	
93	1,2,4-Trichlorobenzene	180	9.862	9.870	(1.115)	68636	25.6247	25.6(R)	
94	1,2-Dibromo-3-chloropropane	155	9.451	9.459	(1.069)	12188	54.1250	54.1	
95	Hexachlorobutadiene	225	9.926	9.935	(1.123)	19721	11.9987	12.0(R)	
96	Naphthalene	128	10.001	10.009	(1.131)	223383	40.7776	40.8	
97	1,2,3-Trichlorobenzene	180	10.113	10.127	(1.144)	71962	28.3900	28.4(R)	
98	2,methyl-naphthalene	142	10.631	10.645	(1.202)	129615	36.2457	36.2	
99	1-Methylnaphthalene	142	10.743	10.757	(1.215)	143254	46.8360	46.8	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d
Date : 07-OCT-2016 06:05
Client ID: MW-0503-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 1642766,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

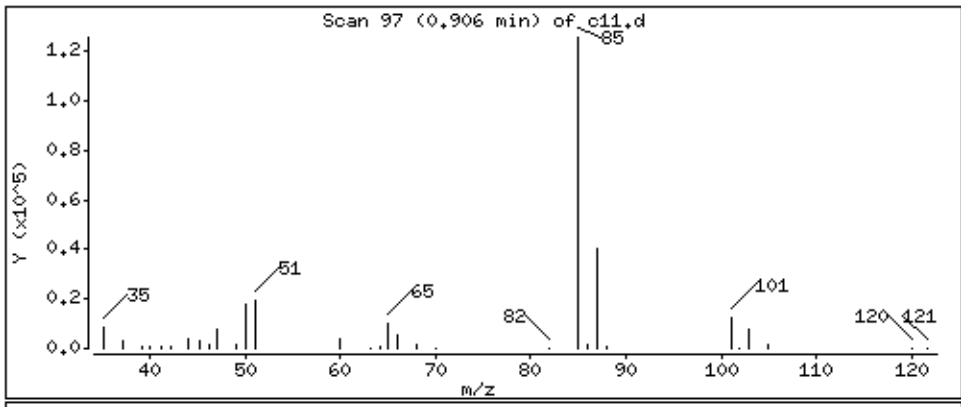
Column phase: DB-624

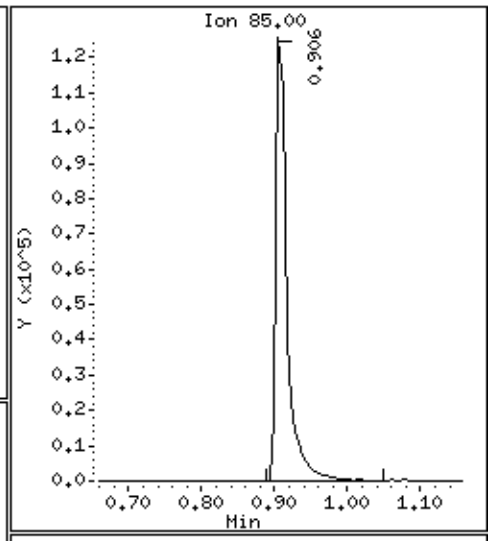
Column diameter: 0.18

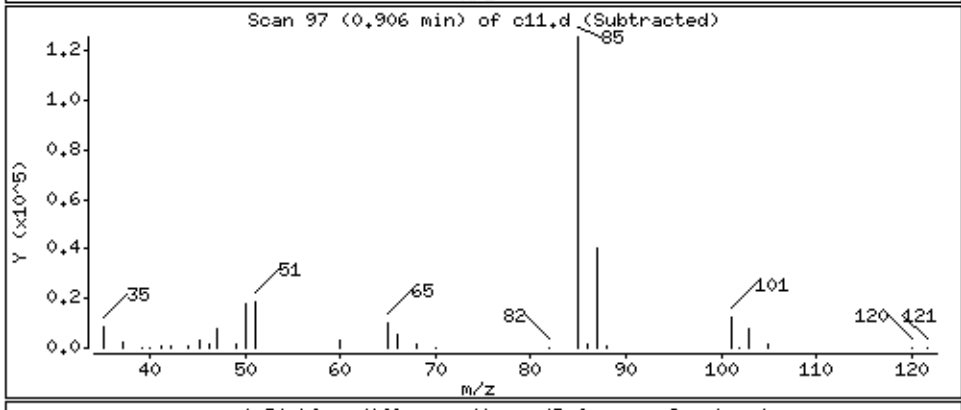
1 Dichlorodifluoromethane

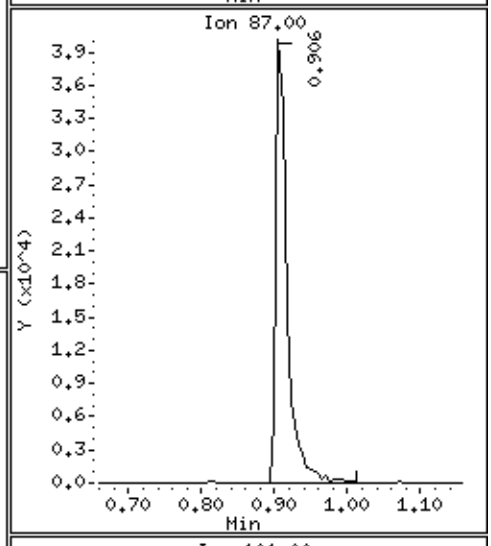
Concentration: 50.4 ppb

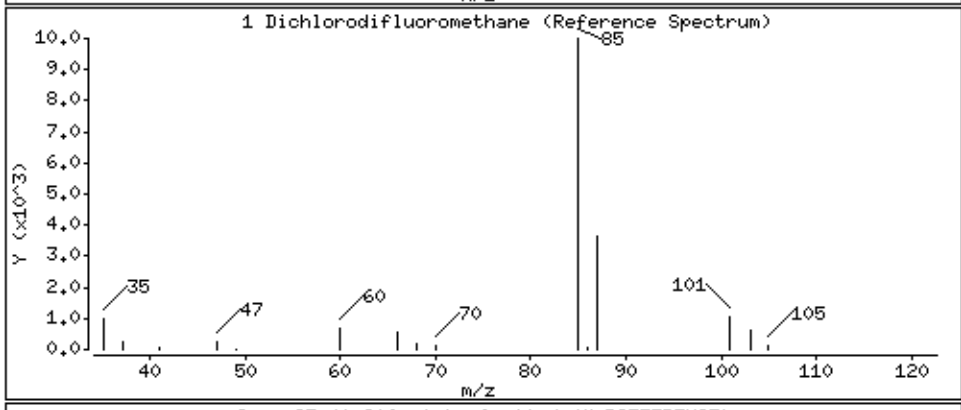
Review Code:

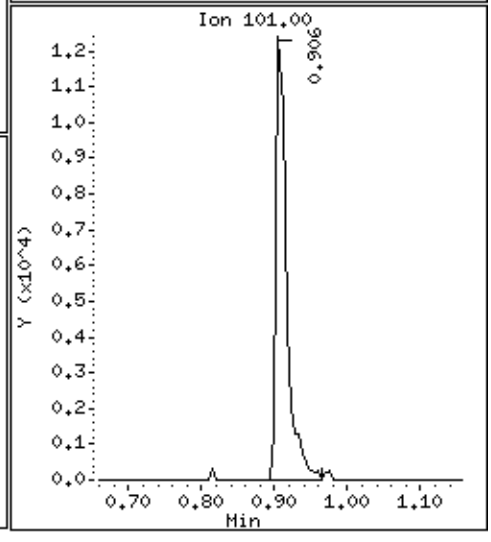


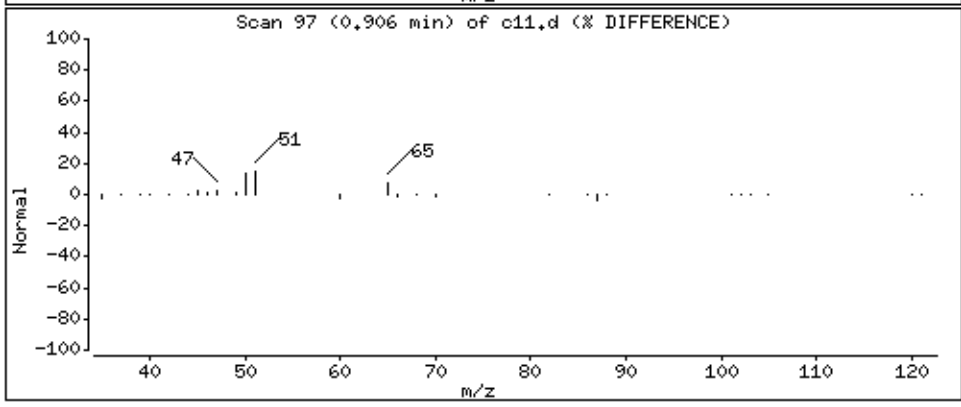












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

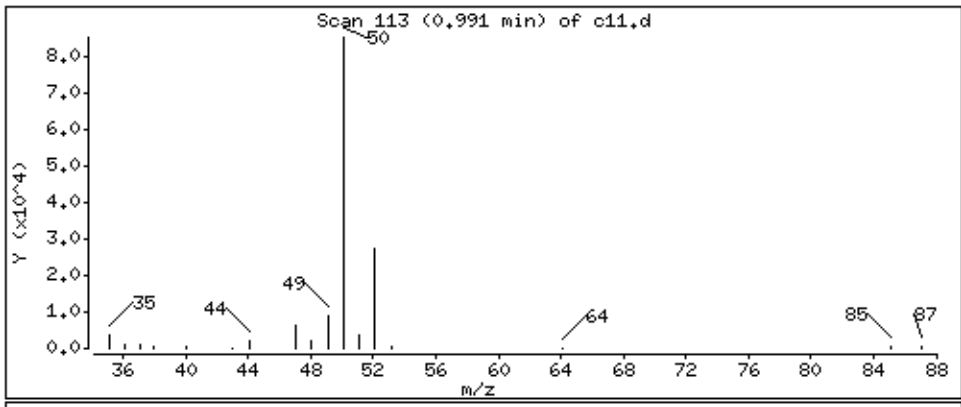
Column phase: DB-624

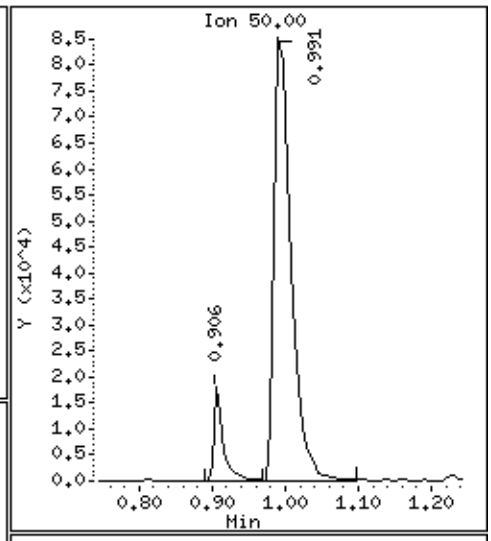
Column diameter: 0.18

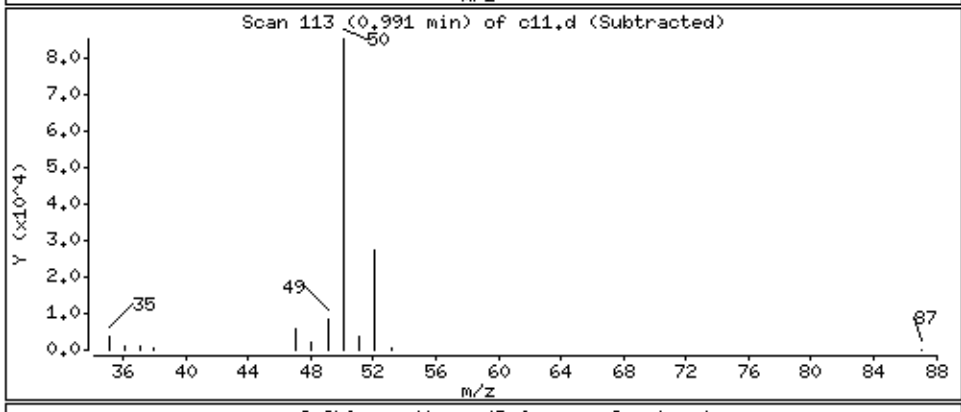
2 Chloromethane

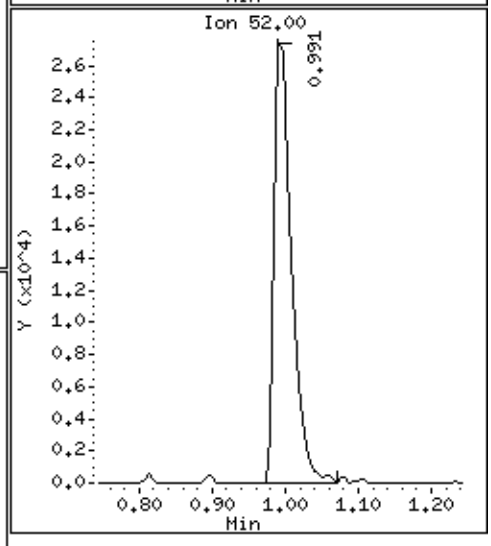
Concentration: 44.4 ppb

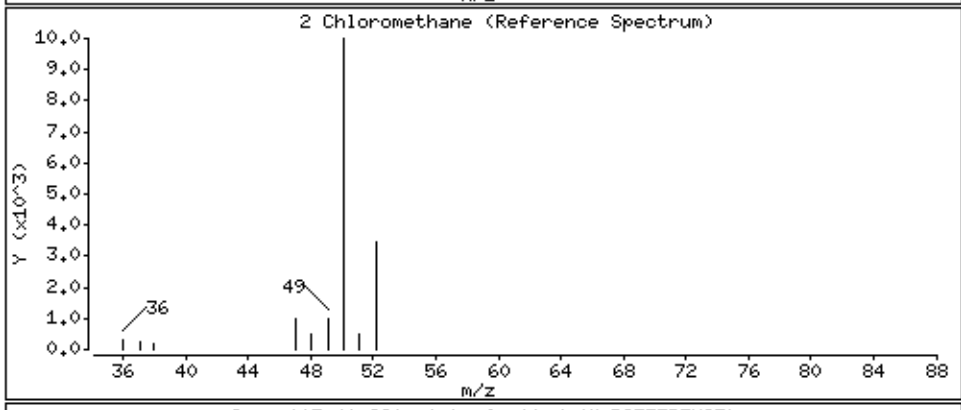
Review Code:

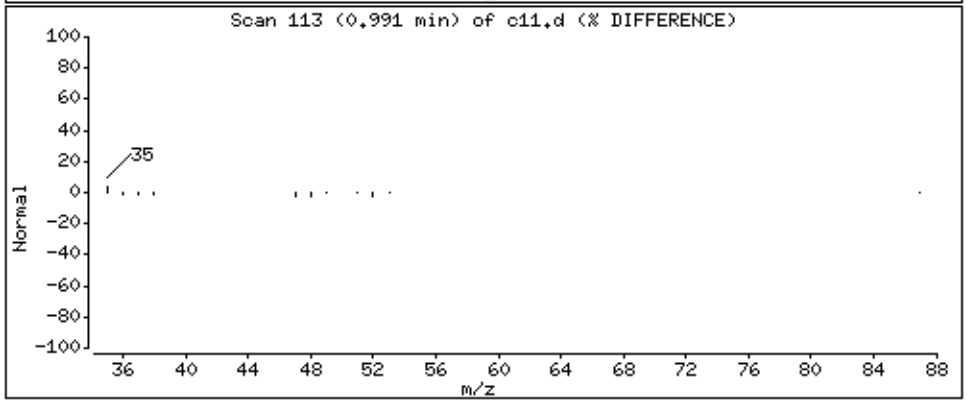












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

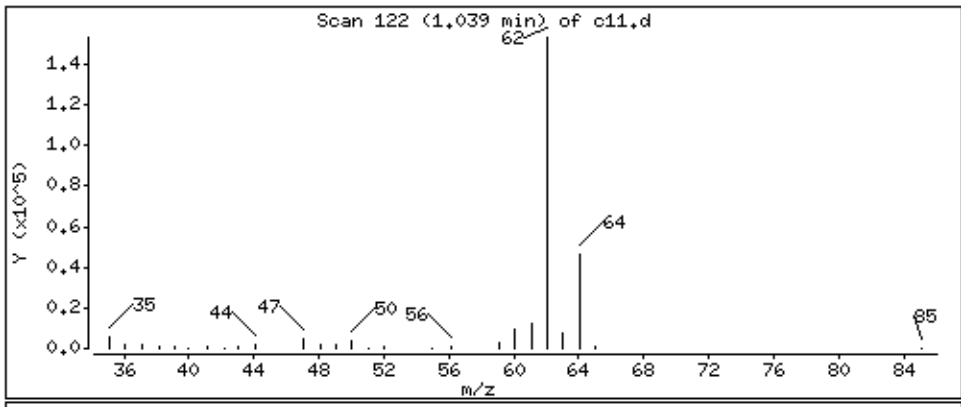
Column phase: DB-624

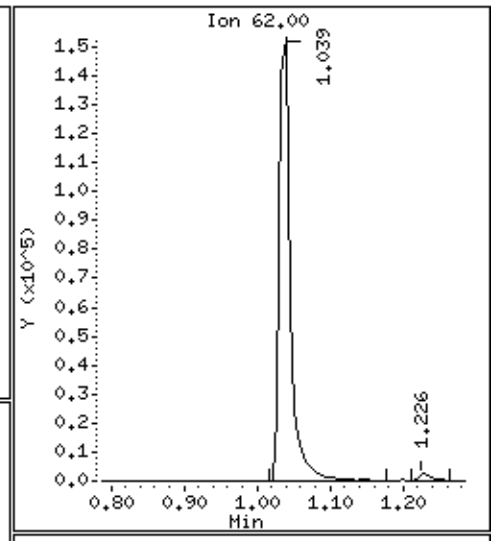
Column diameter: 0.18

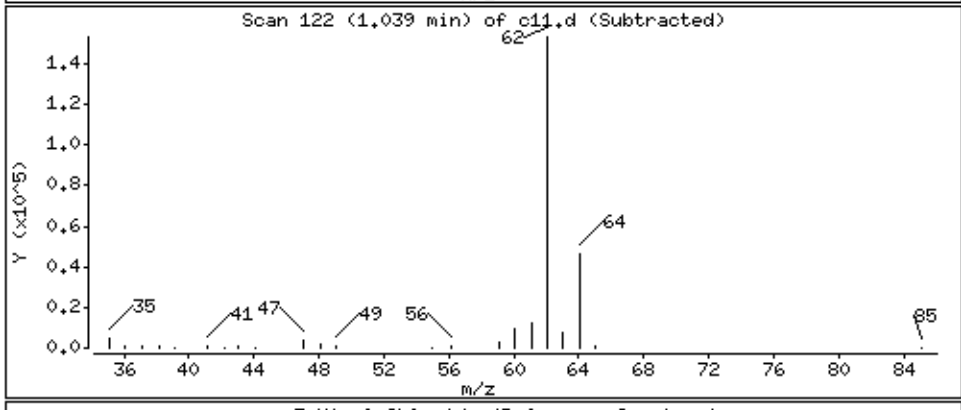
3 Vinyl Chloride

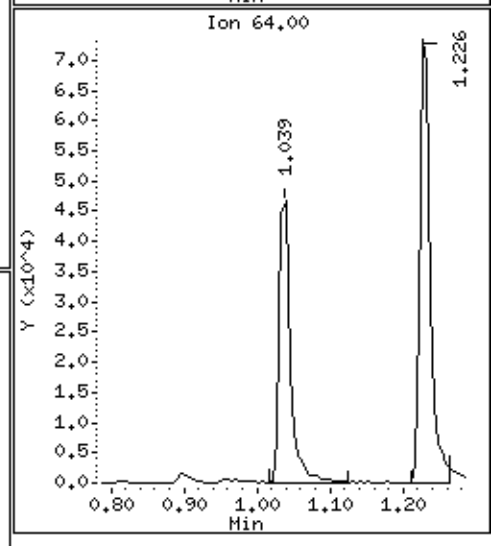
Concentration: 48.1 ppb

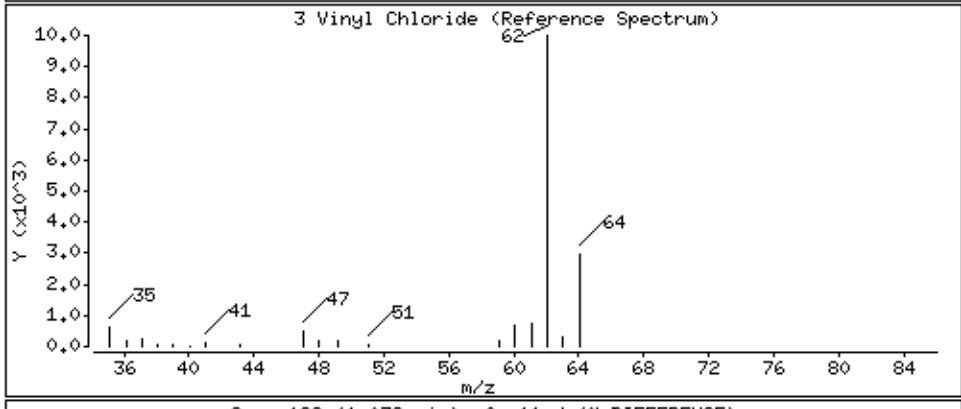
Review Code:

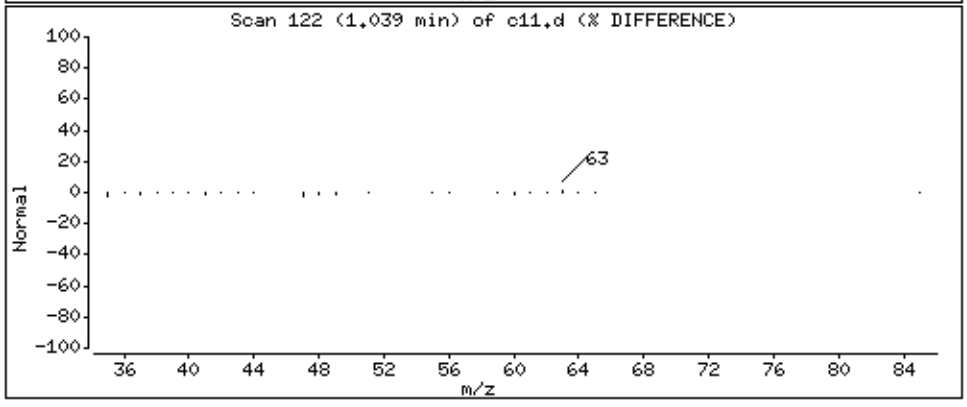












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

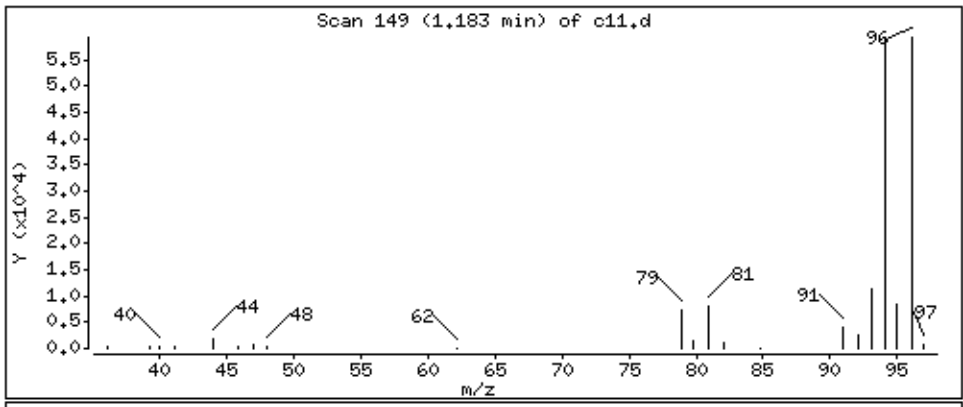
Column phase: DB-624

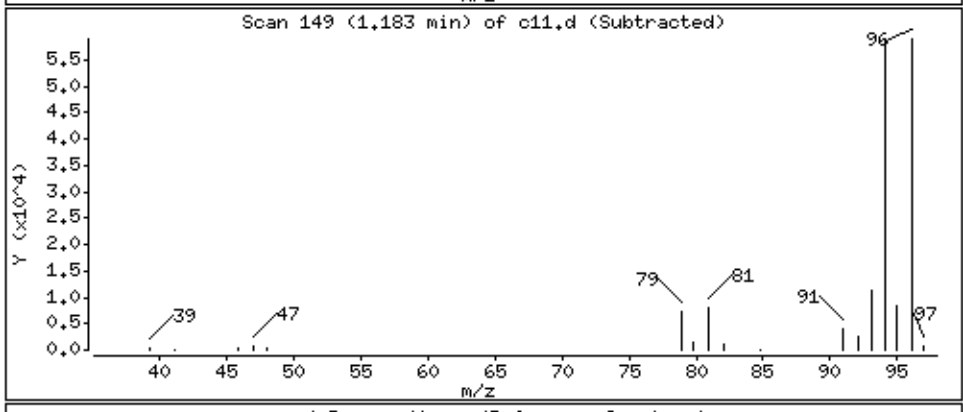
Column diameter: 0.18

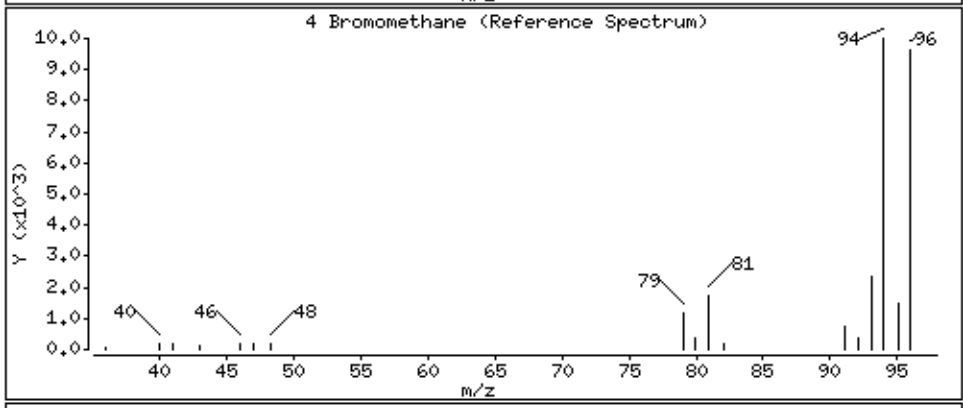
4 Bromomethane

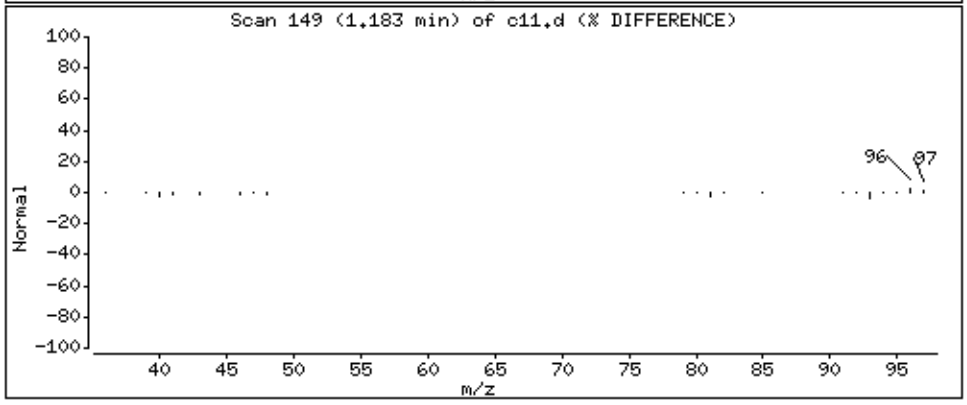
Concentration: 42.2 ppb

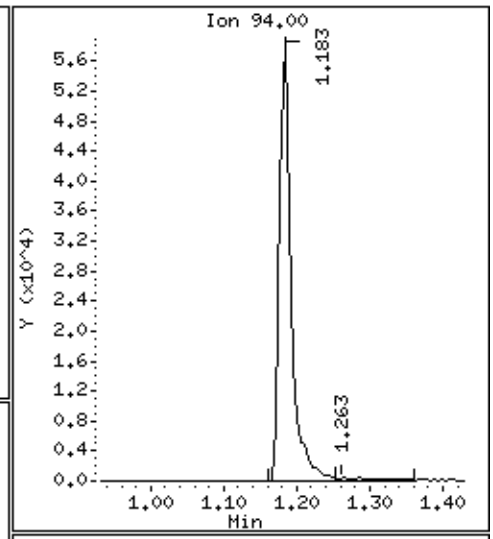
Review Code:

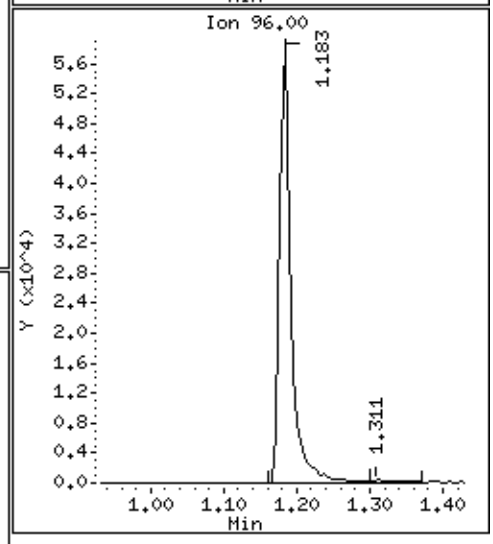












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

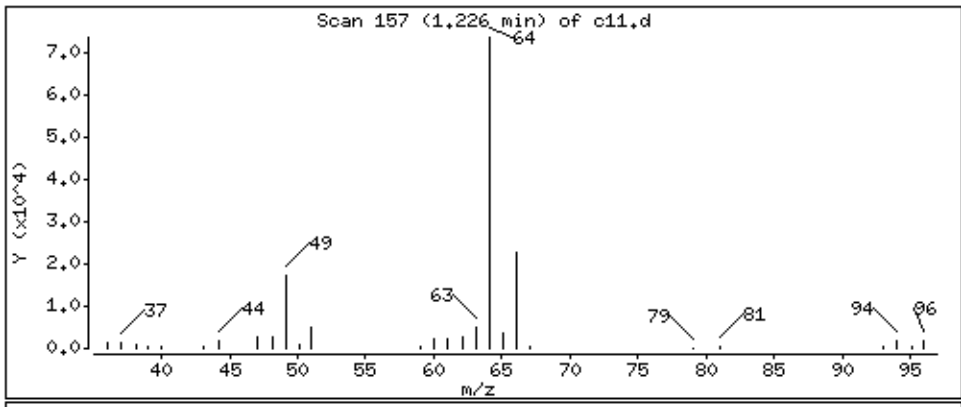
Column phase: DB-624

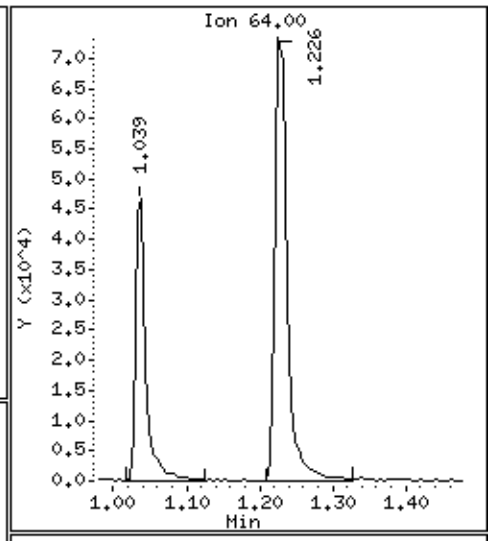
Column diameter: 0.18

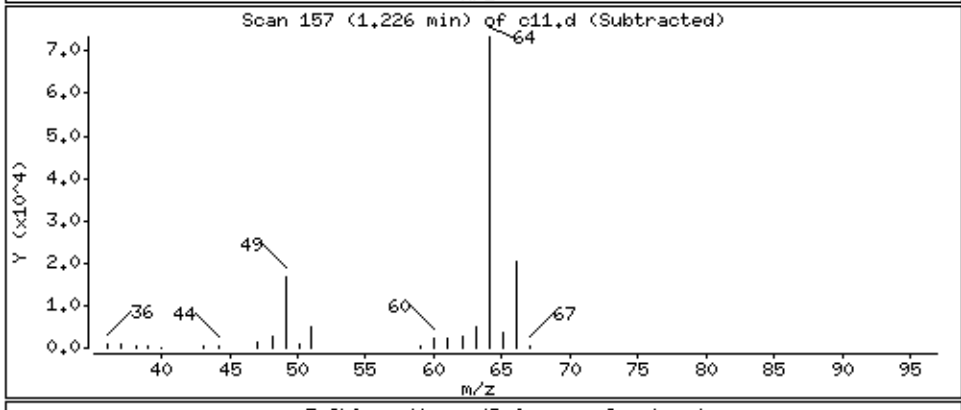
5 Chloroethane

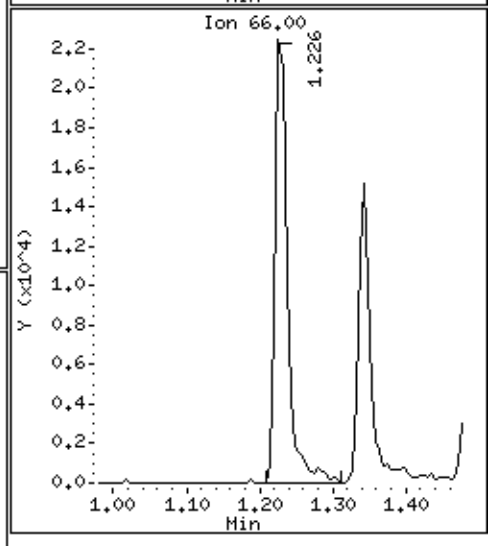
Concentration: 43.3 ppb

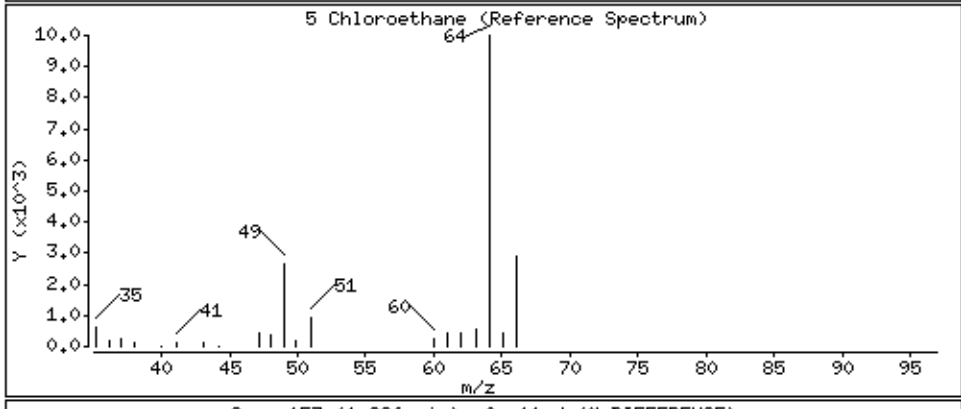
Review Code:

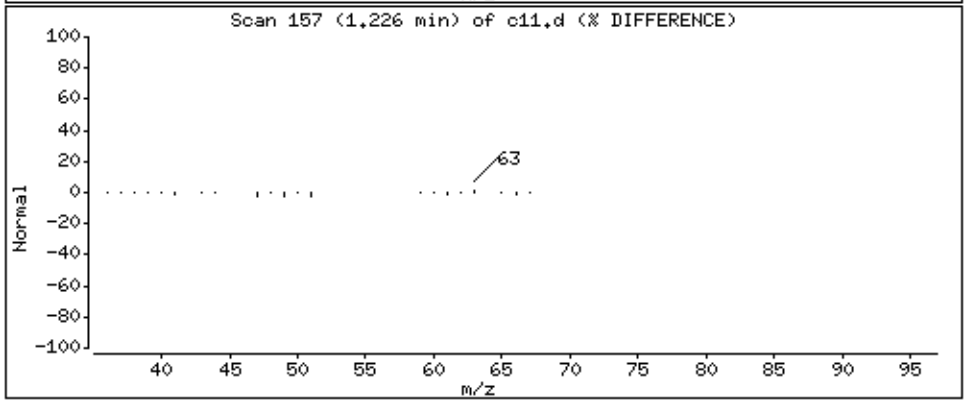












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

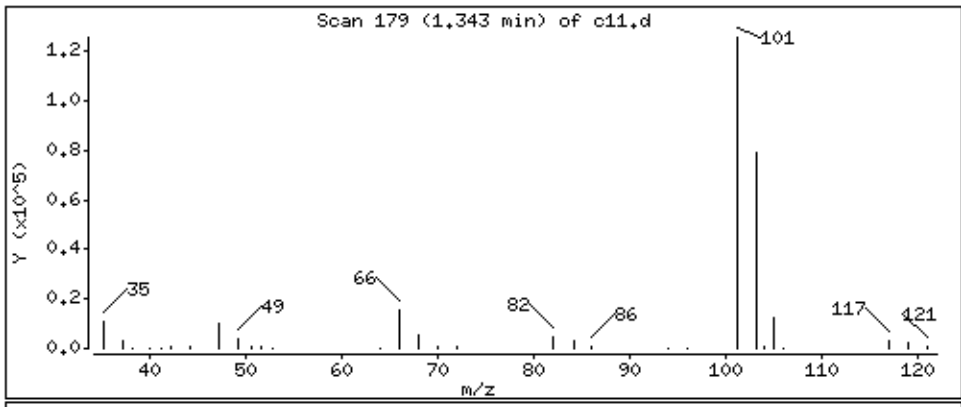
Column phase: DB-624

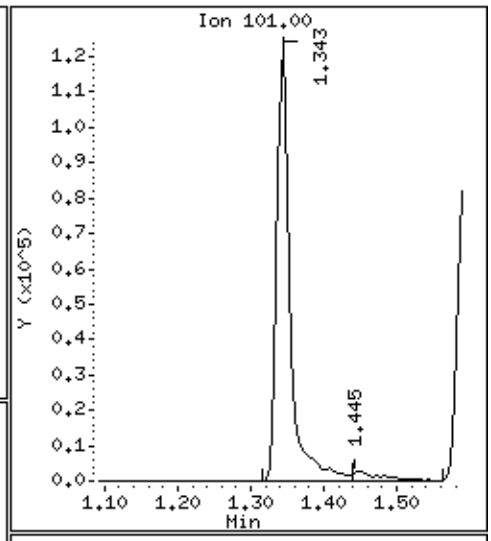
Column diameter: 0.18

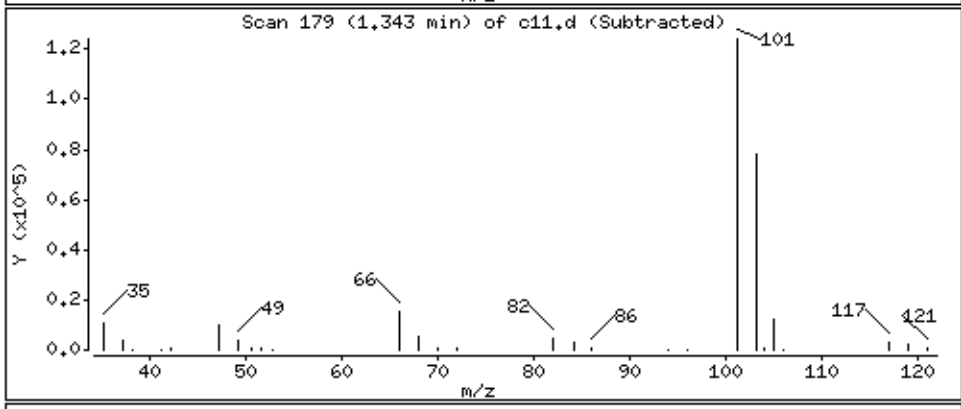
6 Trichlorofluoromethane

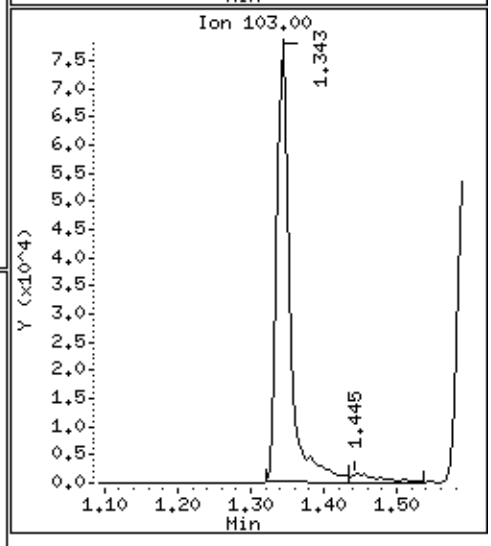
Concentration: 42.6 ppb

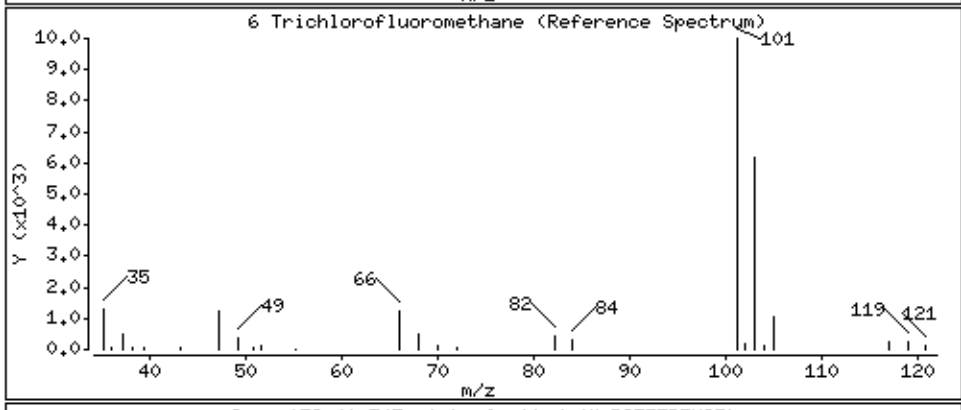
Review Code:

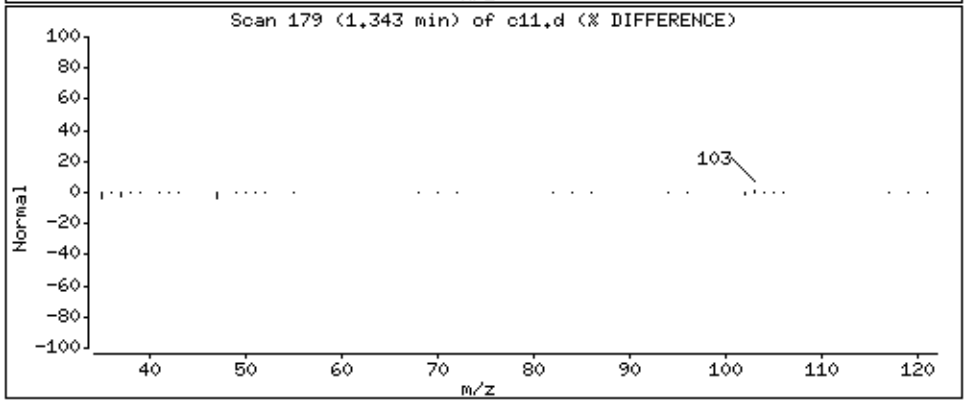












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

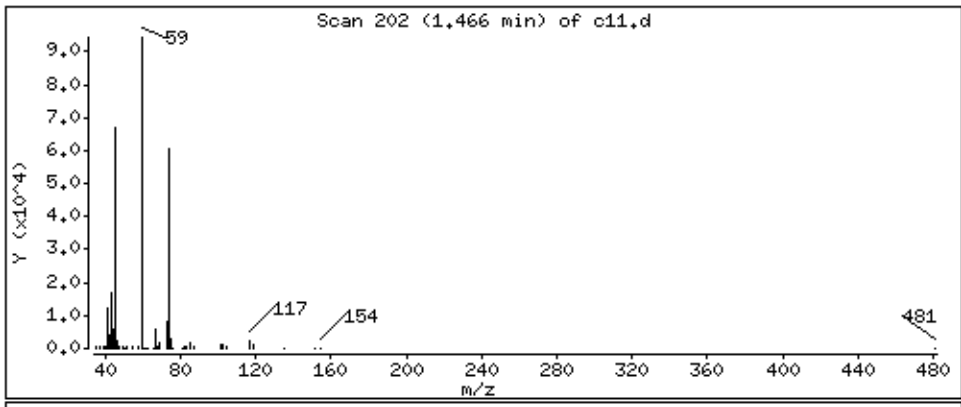
Column phase: DB-624

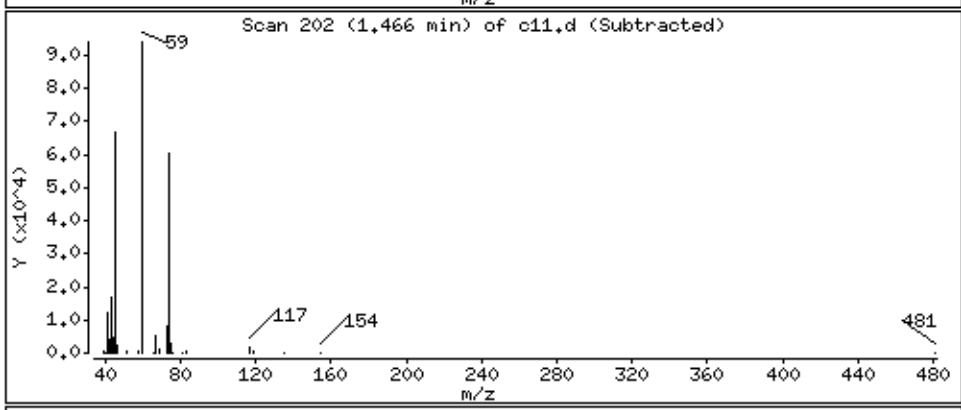
Column diameter: 0.18

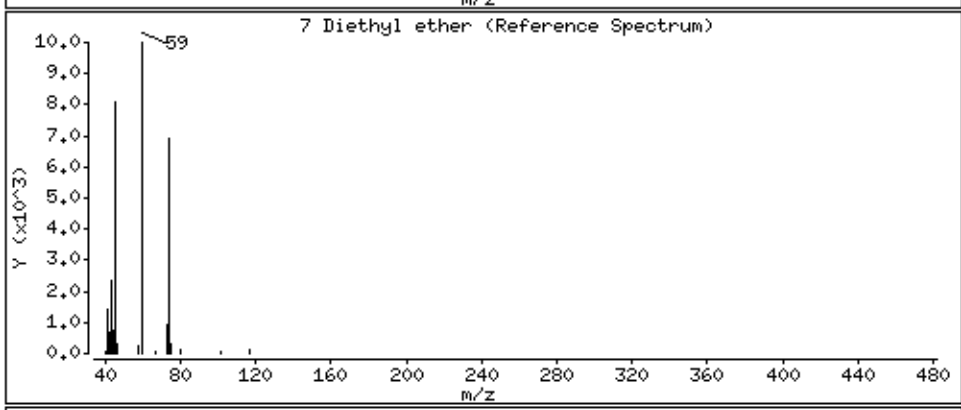
7 Diethyl ether

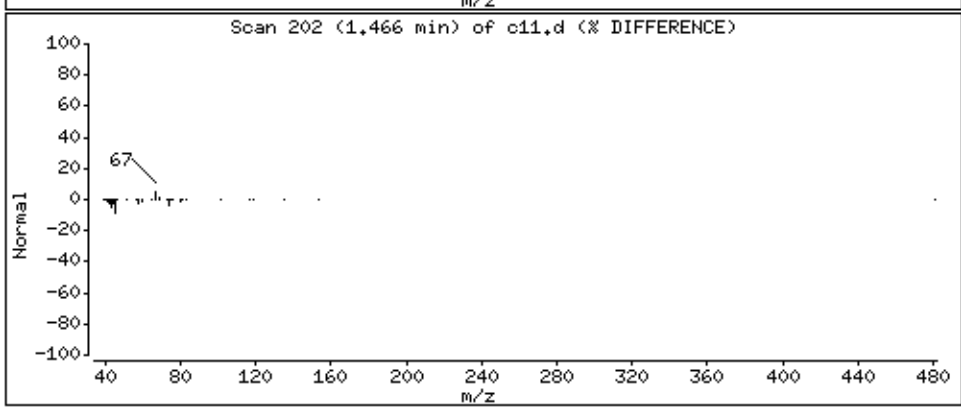
Concentration: 47.2 ppb

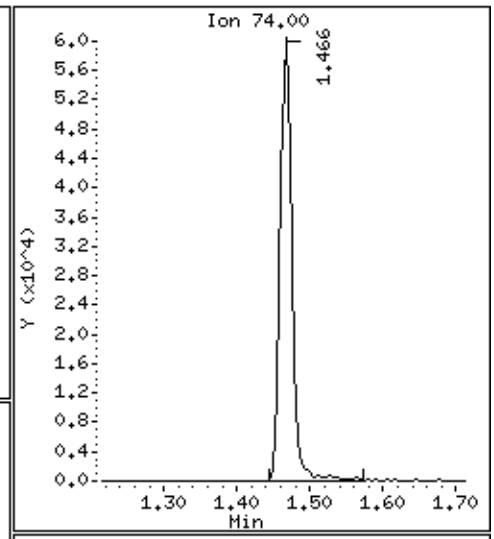
Review Code:

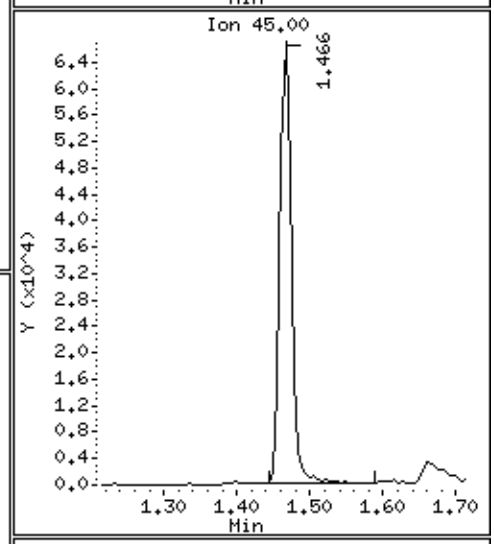


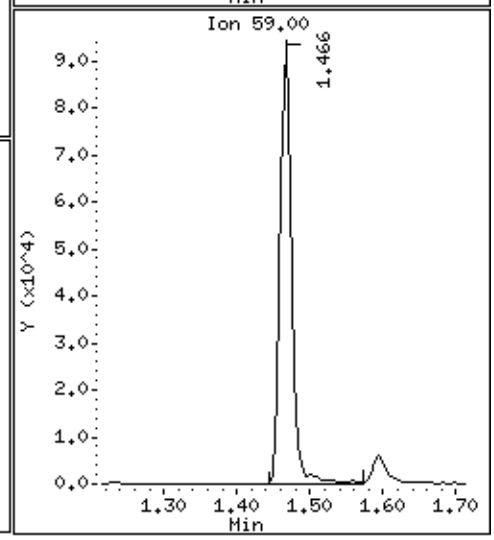












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

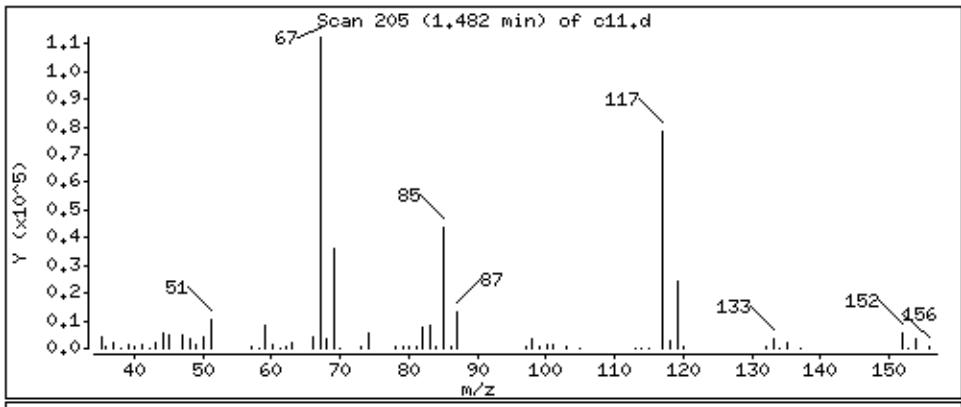
Column phase: DB-624

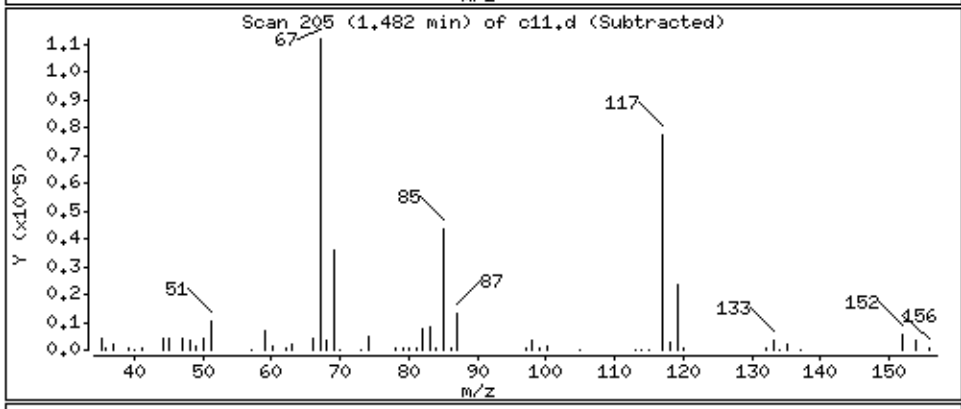
Column diameter: 0.18

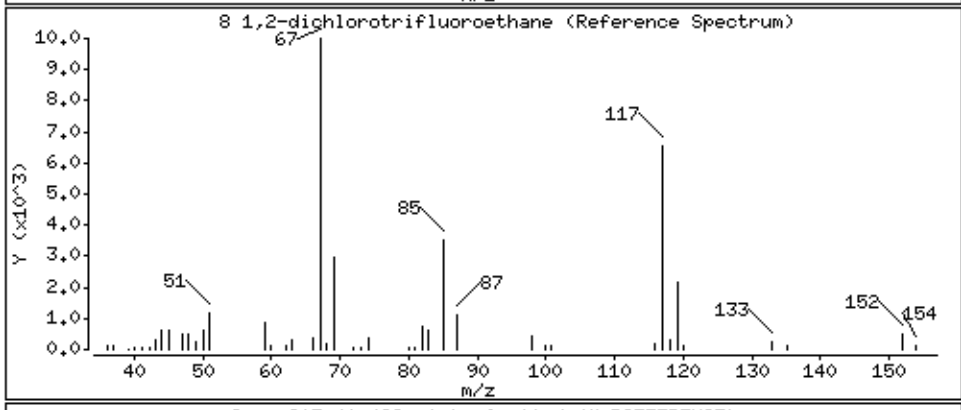
8 1,2-dichlorotrifluoroethane

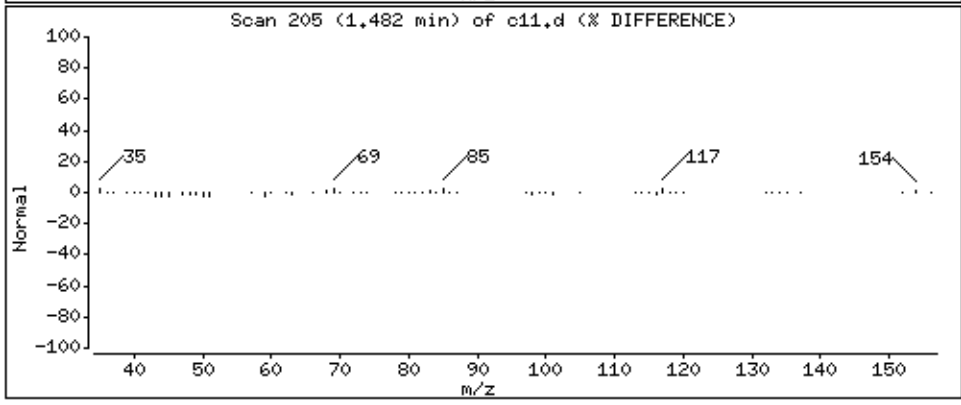
Concentration: 41.6 ppb

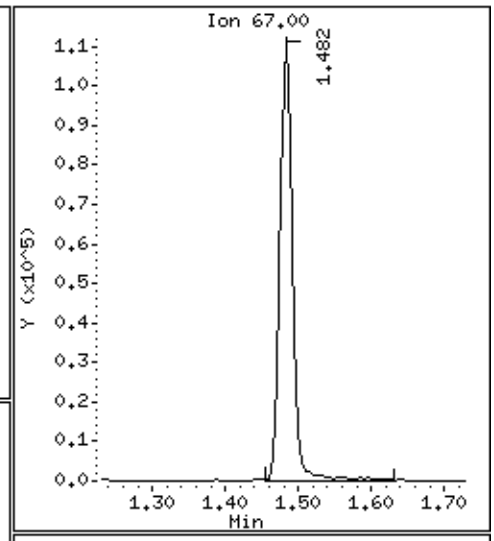
Review Code:

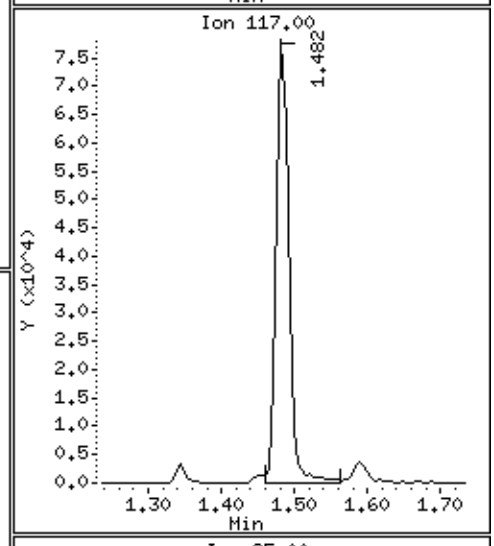


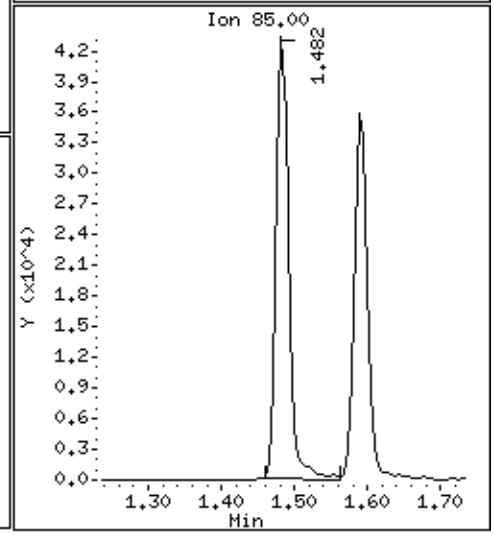












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

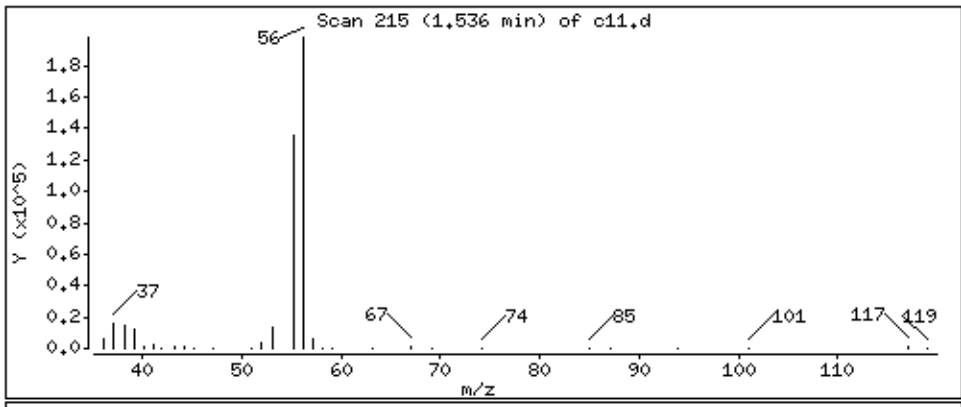
Column phase: DB-624

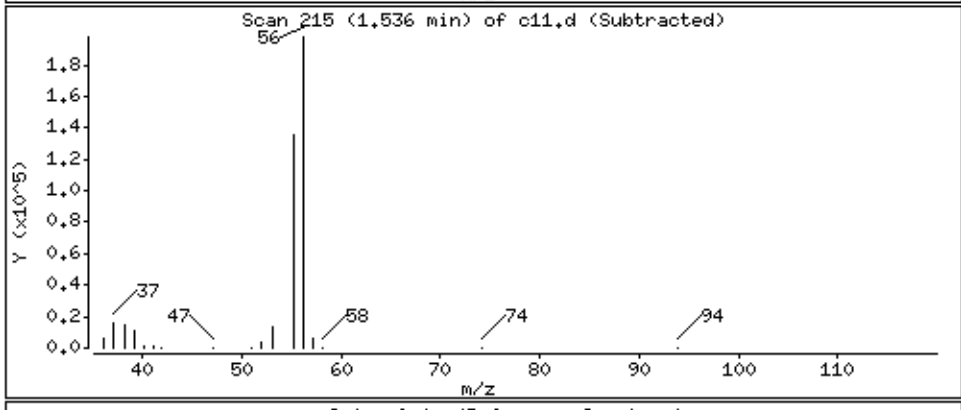
Column diameter: 0.18

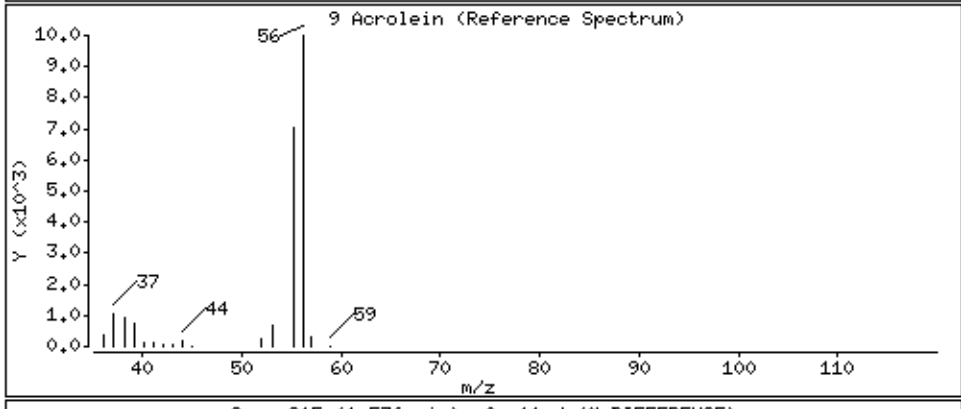
9 Acrolein

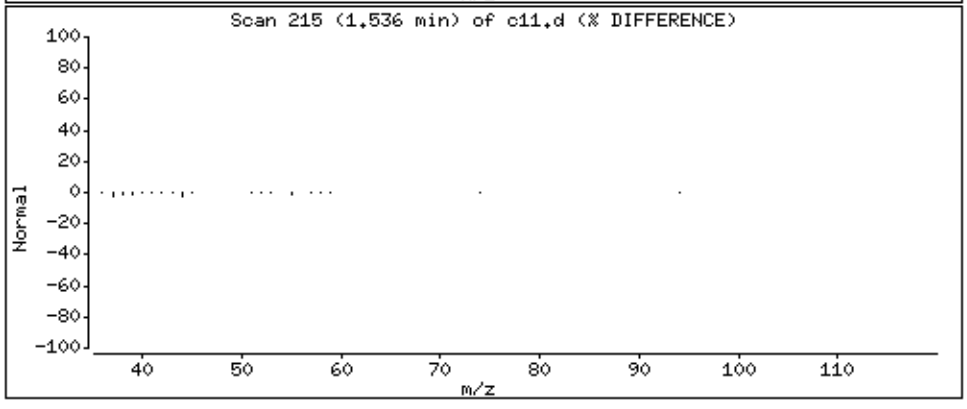
Concentration: 1060 ppb

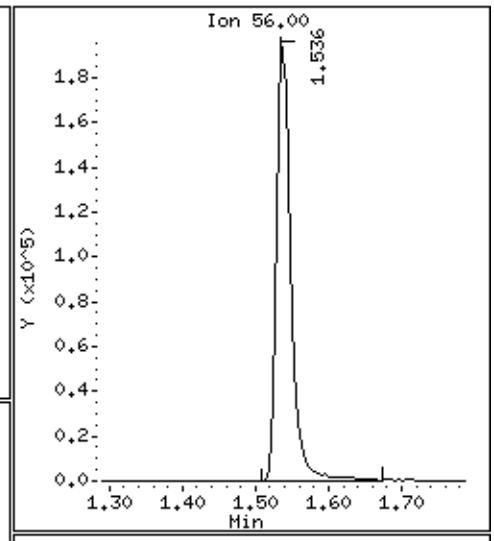
Review Code:

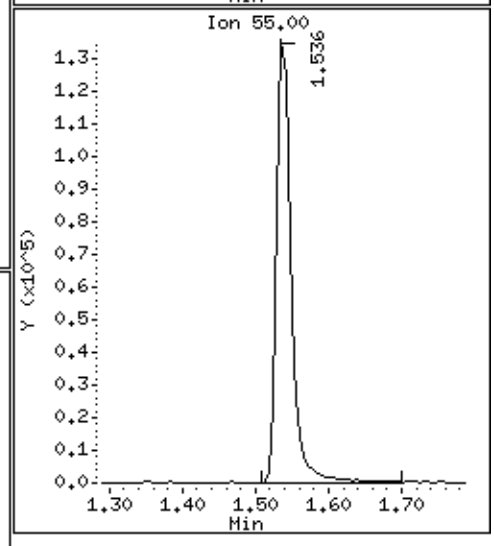












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

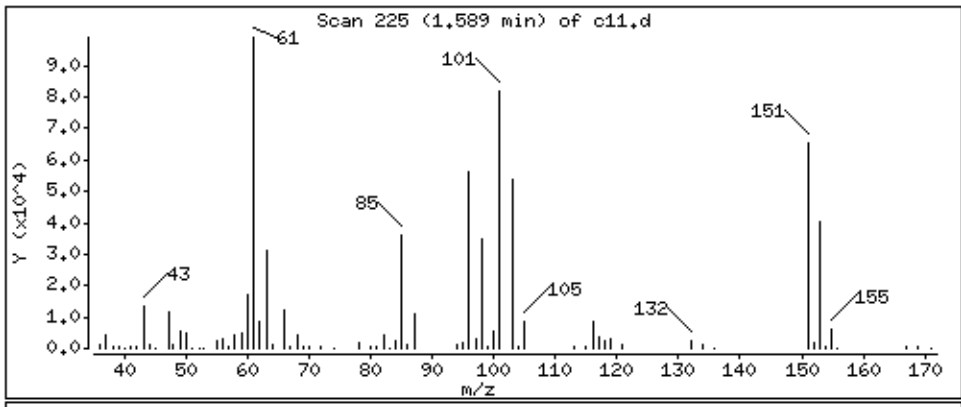
Column phase: DB-624

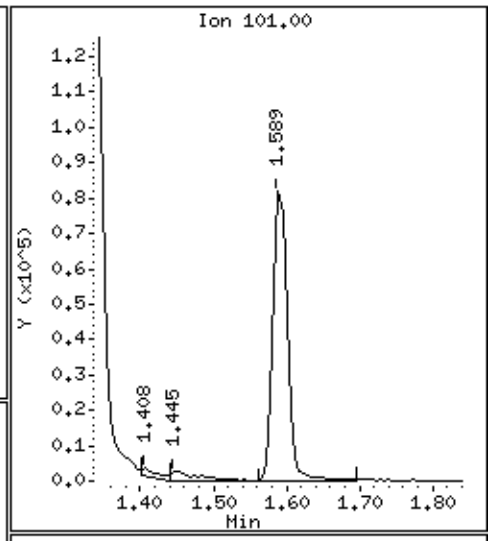
Column diameter: 0.18

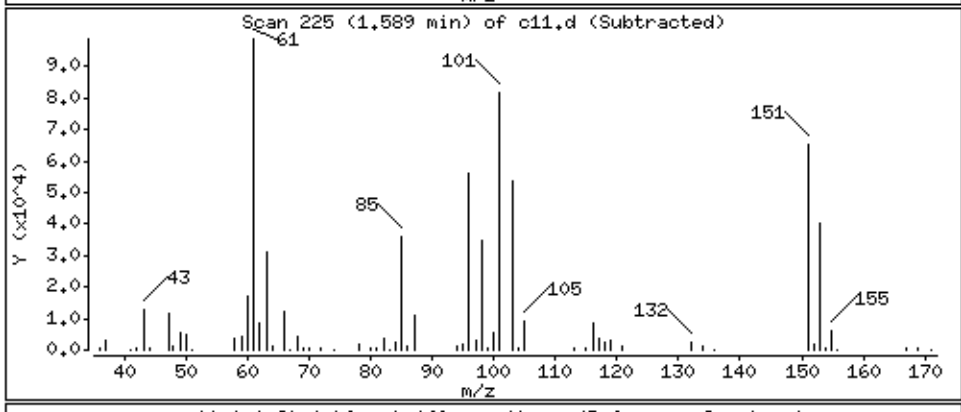
10 1,1,2trichlorotrifluoroethane

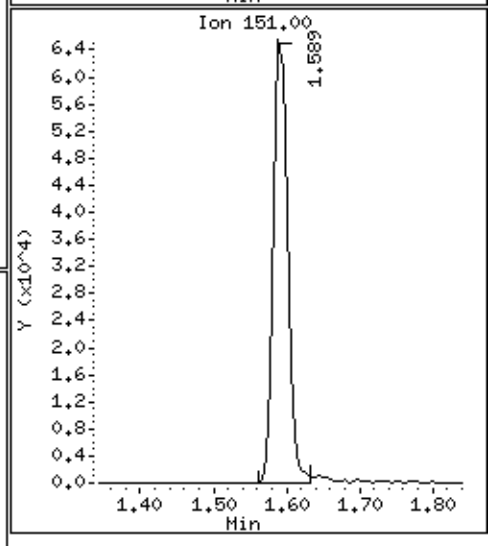
Concentration: 42.3 ppb

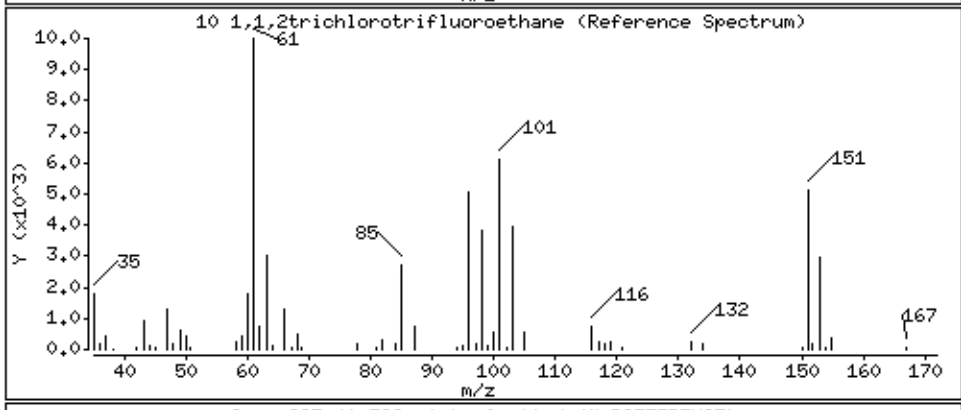
Review Code:

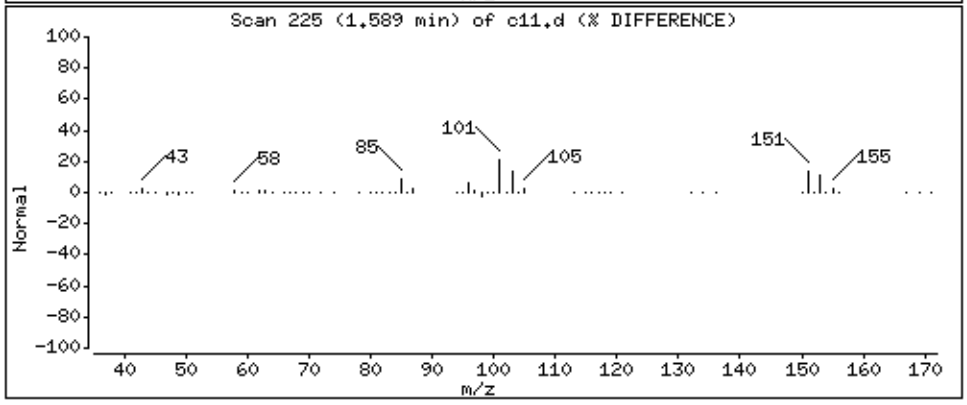












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

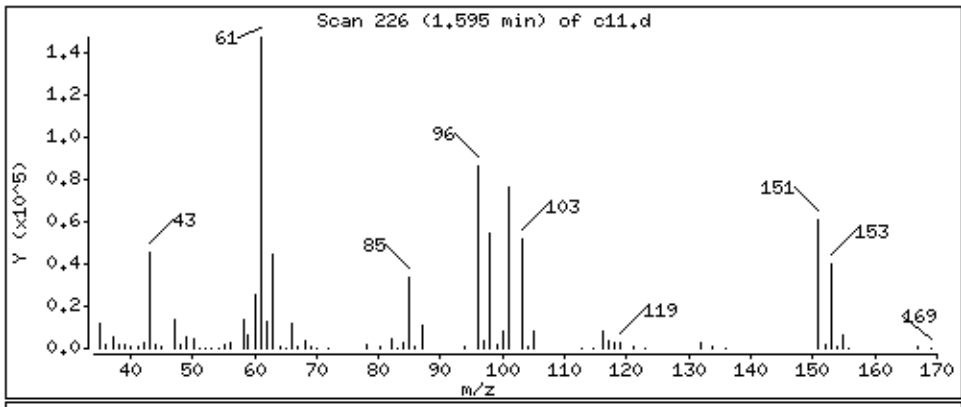
Column phase: DB-624

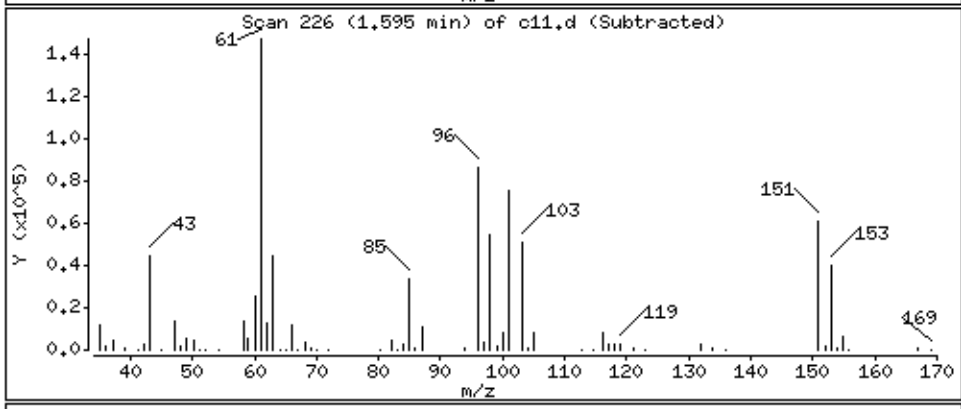
Column diameter: 0.18

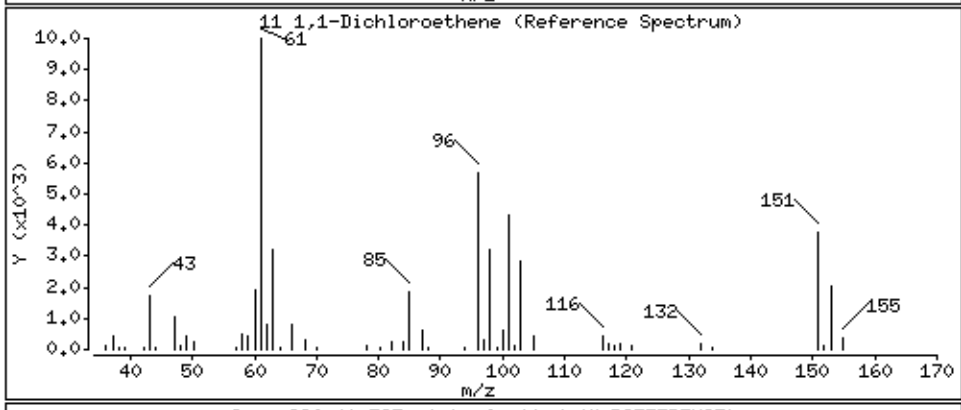
11 1,1-Dichloroethene

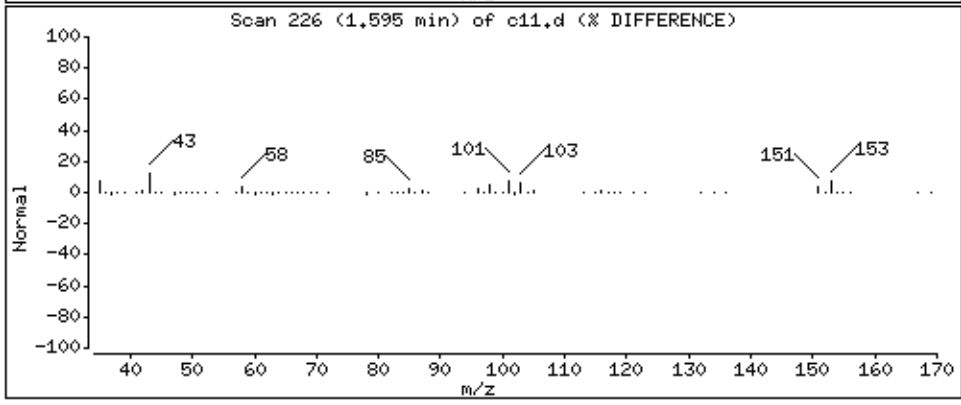
Concentration: 44.1 ppb

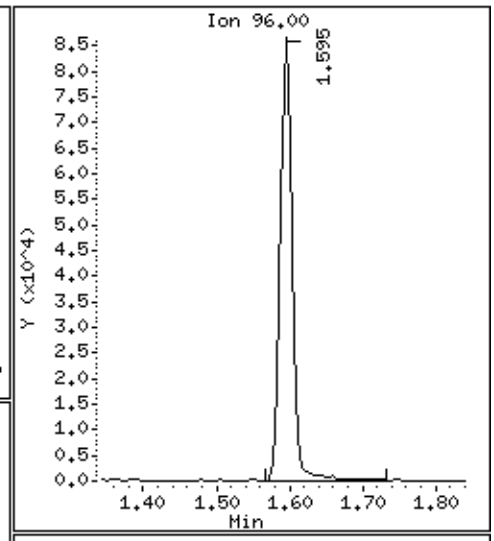
Review Code:

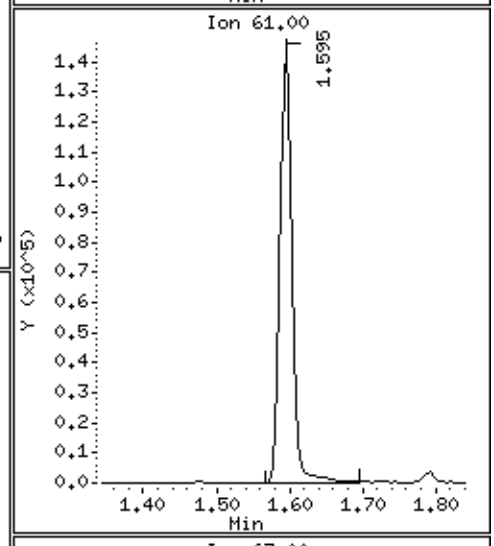


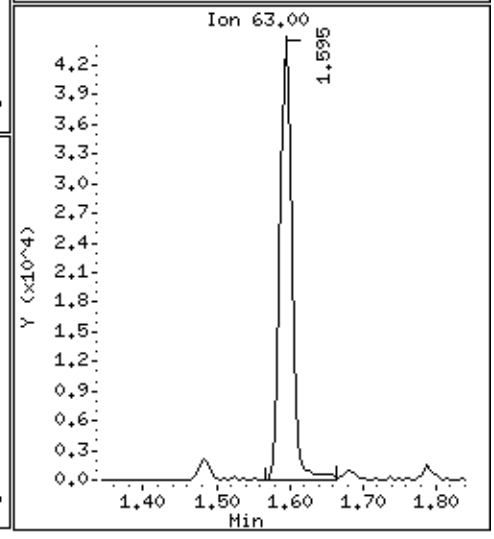












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

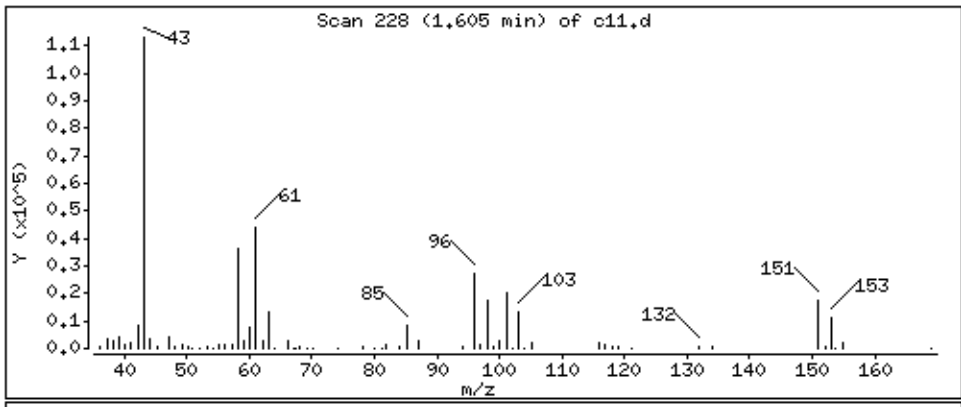
Column phase: DB-624

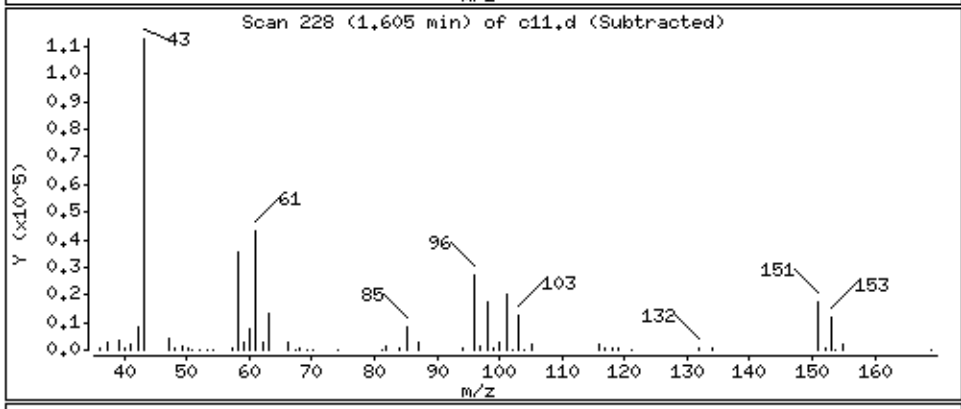
Column diameter: 0.18

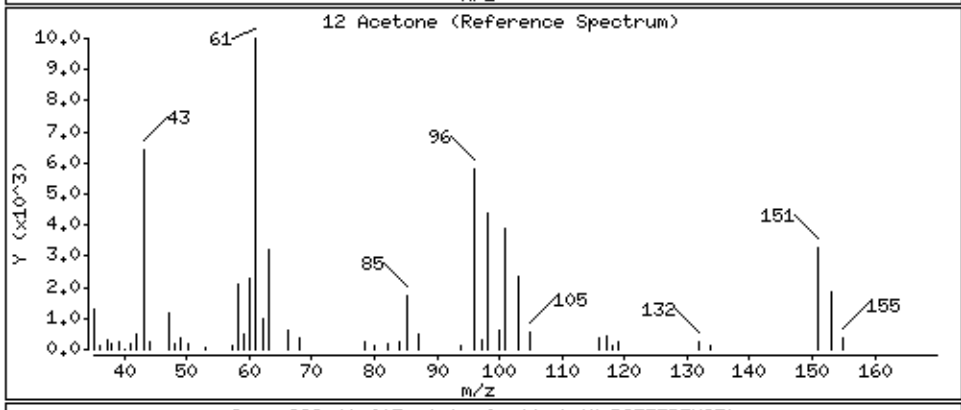
12 Acetone

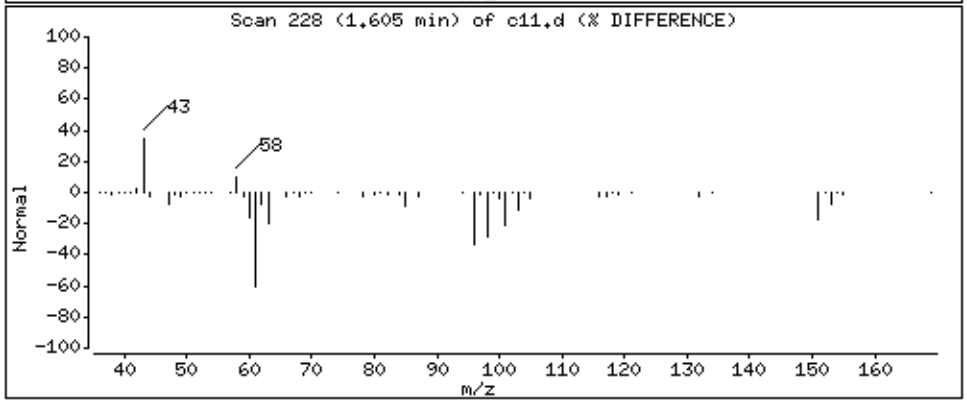
Concentration: 446 ppb

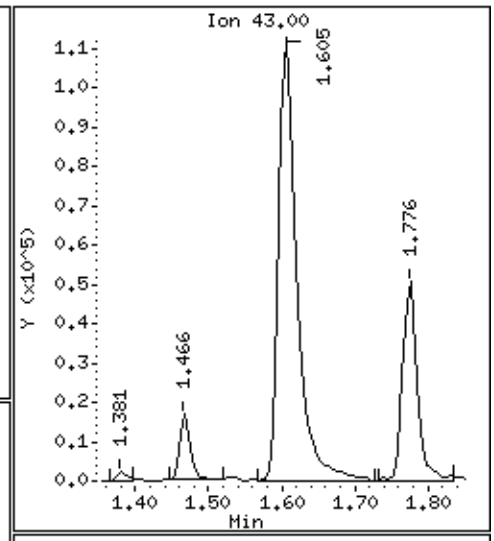
Review Code:

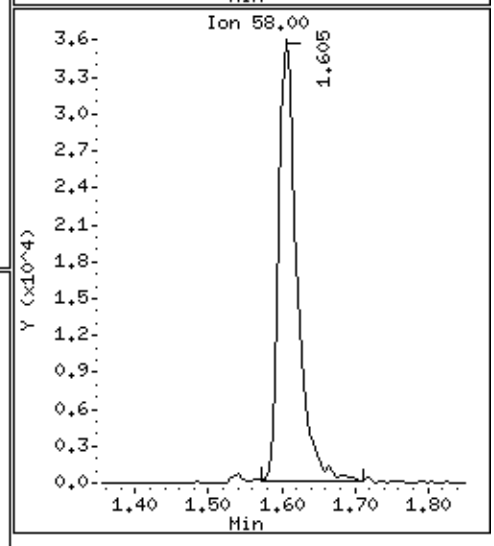












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

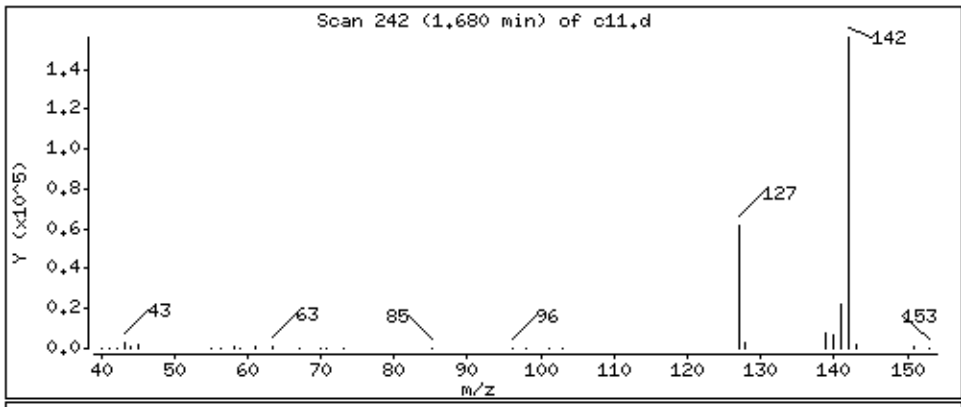
Column phase: DB-624

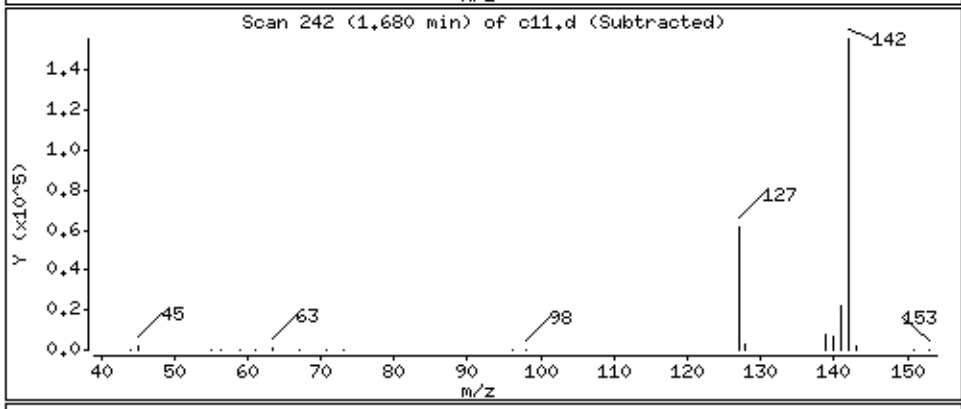
Column diameter: 0.18

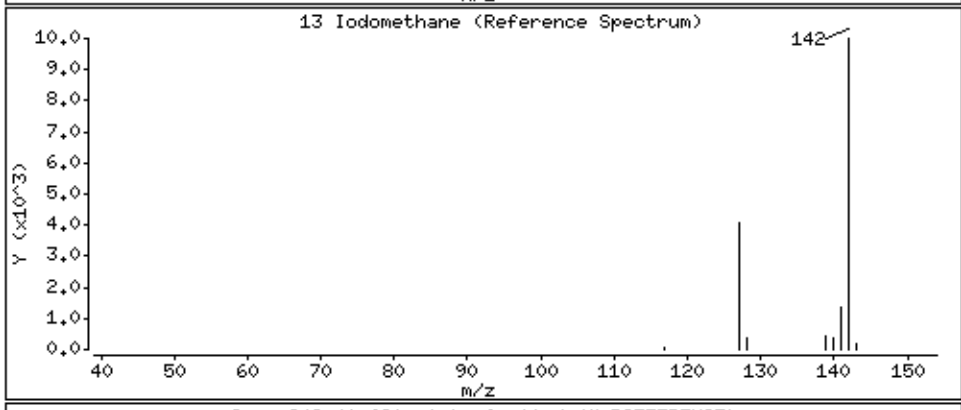
13 Iodomethane

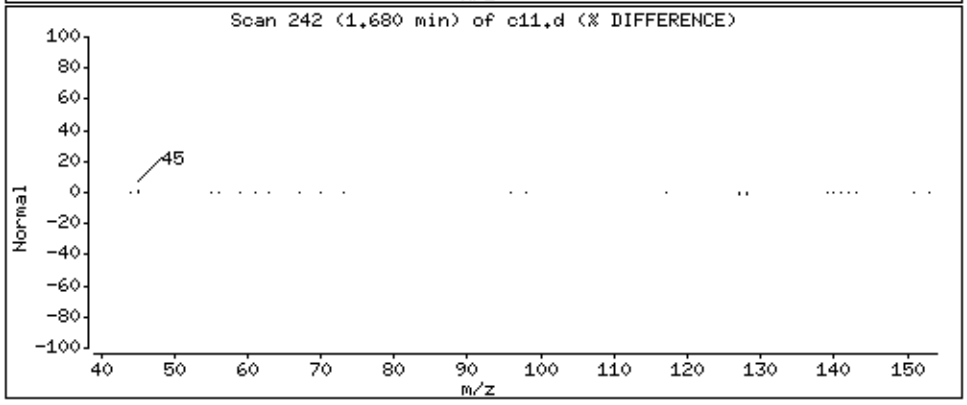
Concentration: 100 ppb

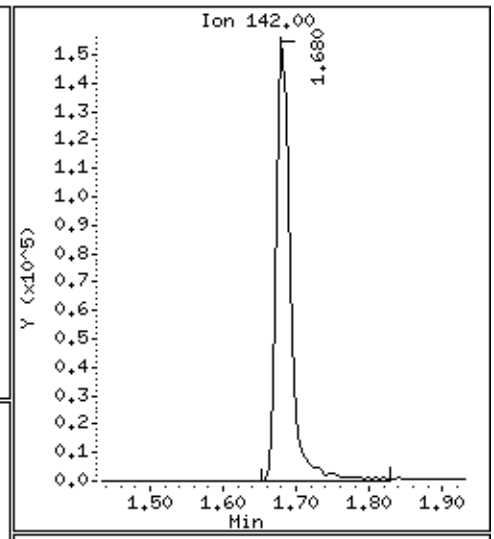
Review Code:

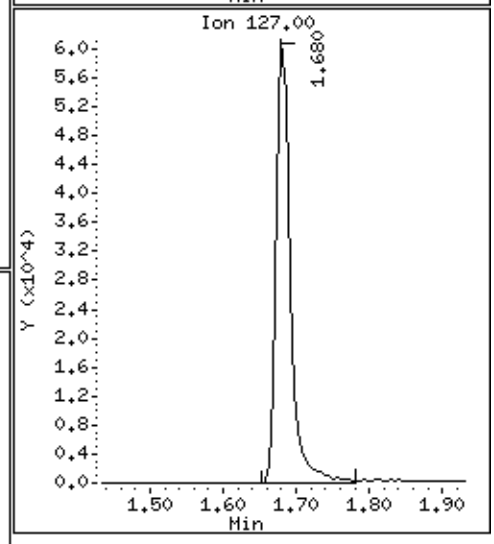












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

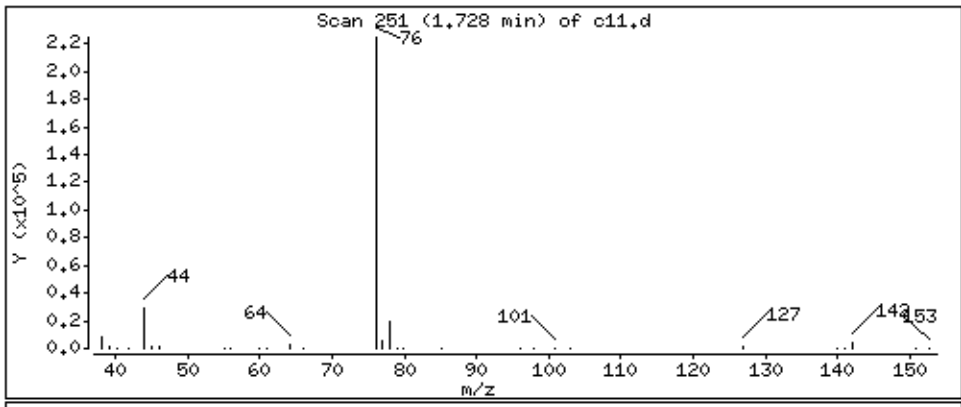
Column phase: DB-624

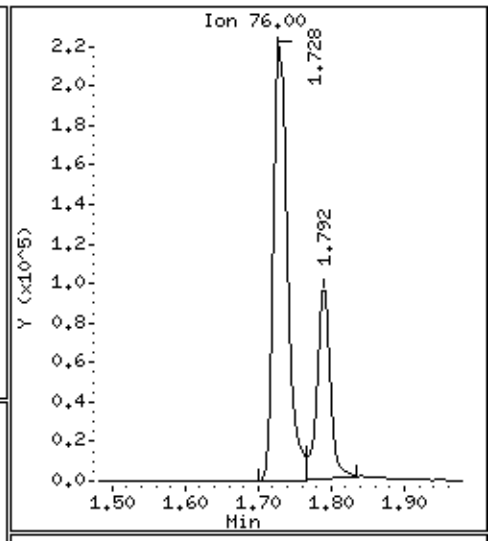
Column diameter: 0.18

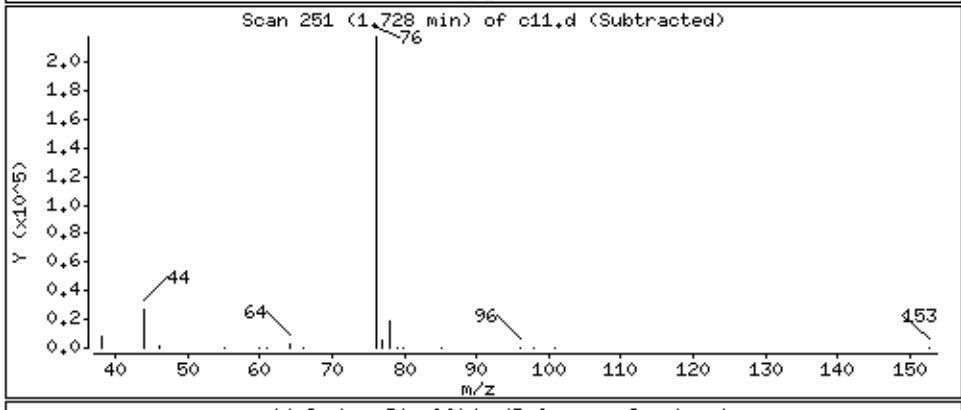
14 Carbon Disulfide

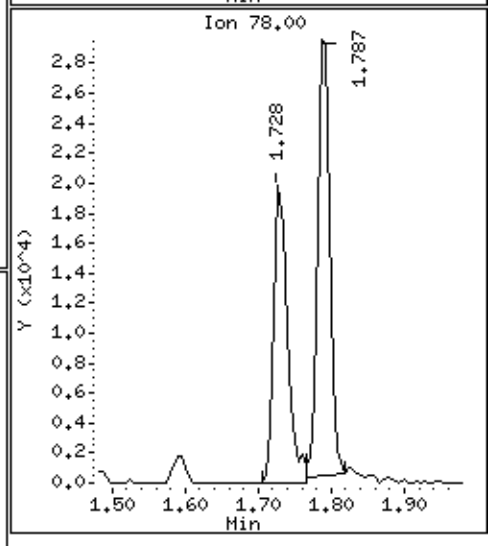
Concentration: 43.4 ppb

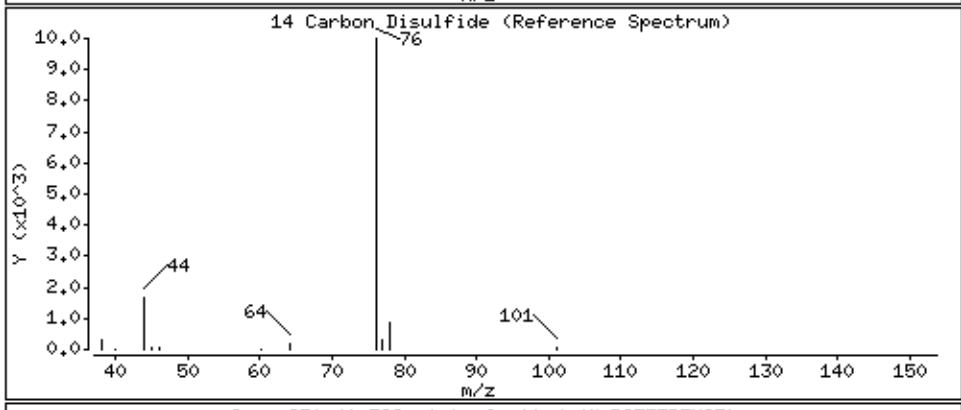
Review Code:

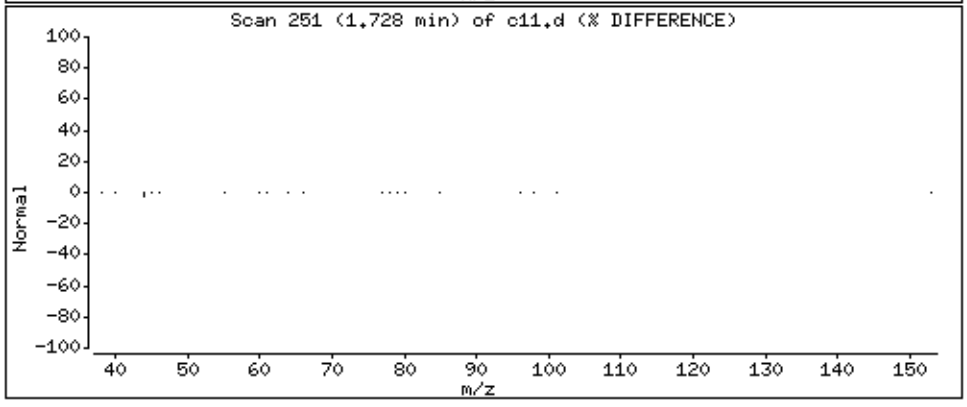












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

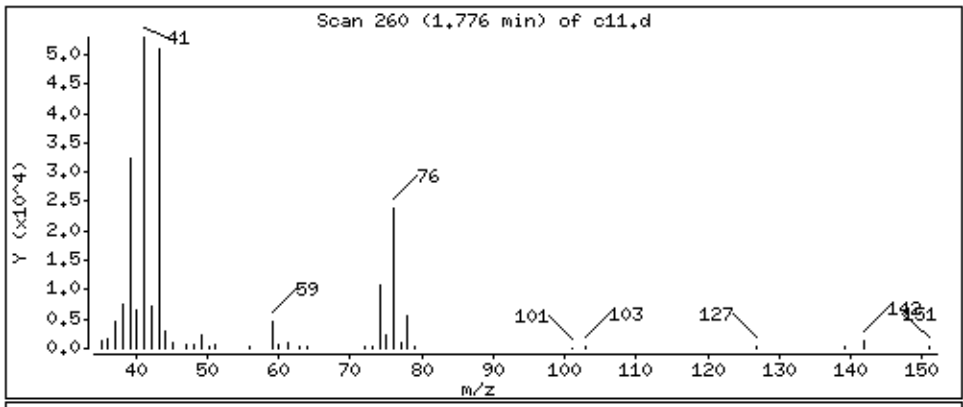
Column phase: DB-624

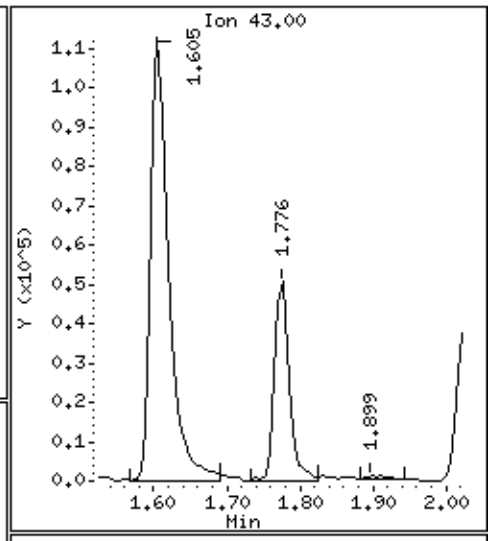
Column diameter: 0.18

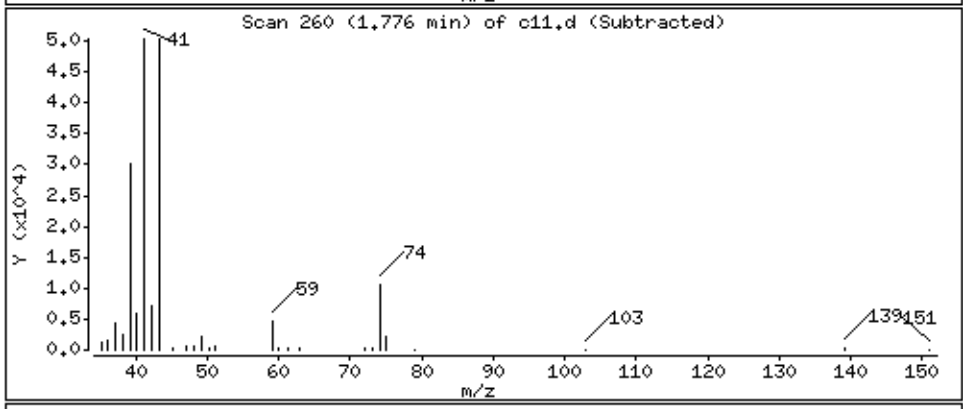
15 Methyl Acetate

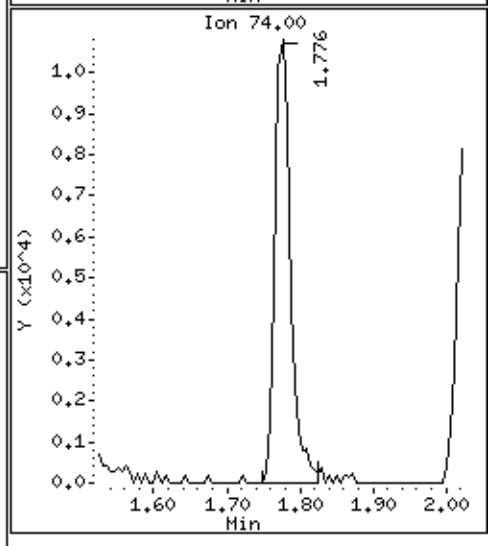
Concentration: 53.4 ppb

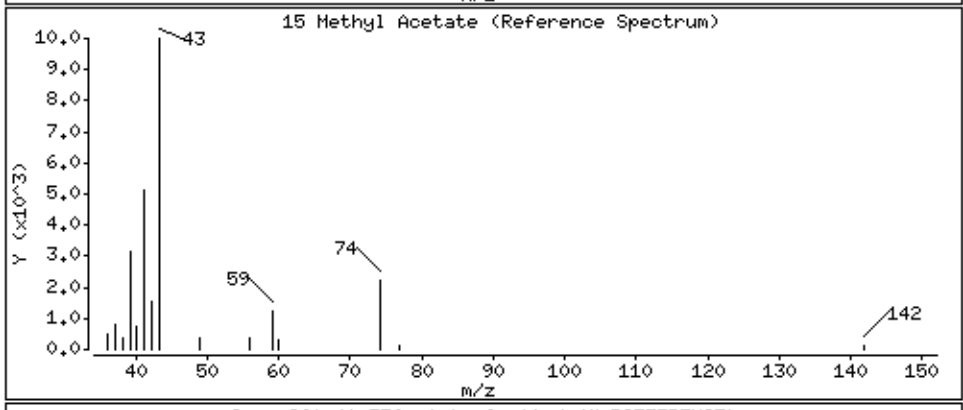
Review Code:

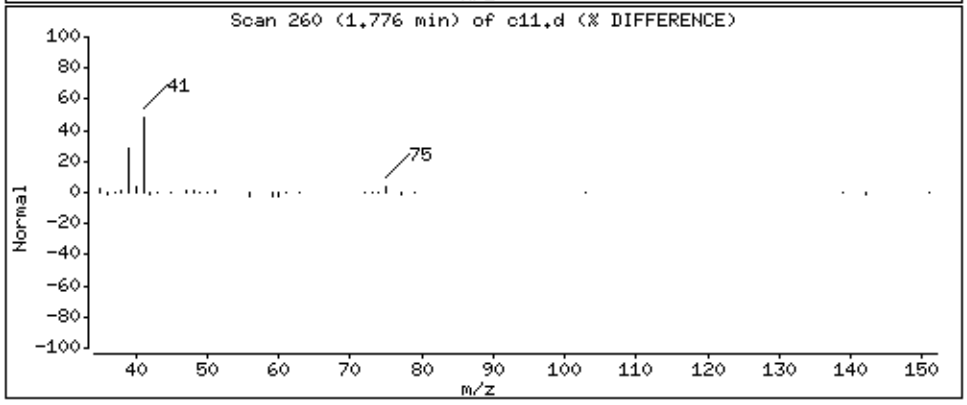












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

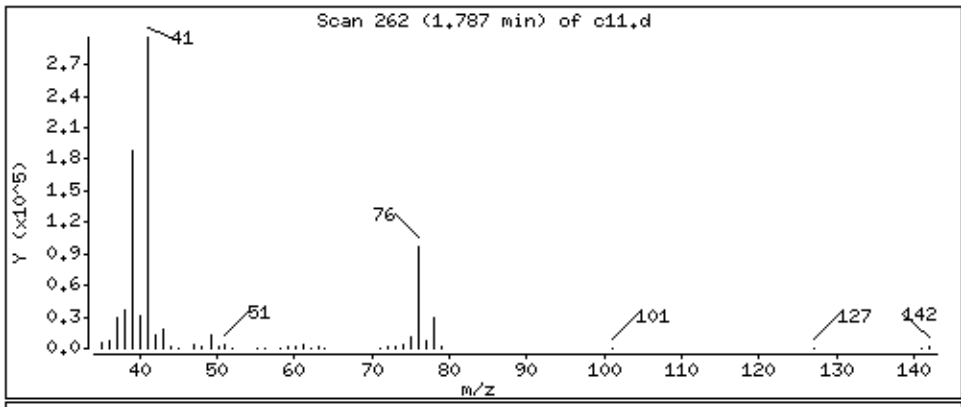
Column phase: DB-624

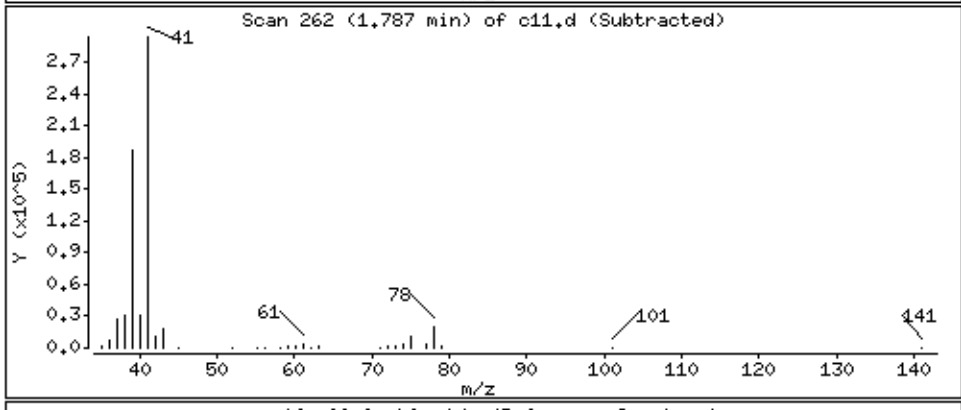
Column diameter: 0.18

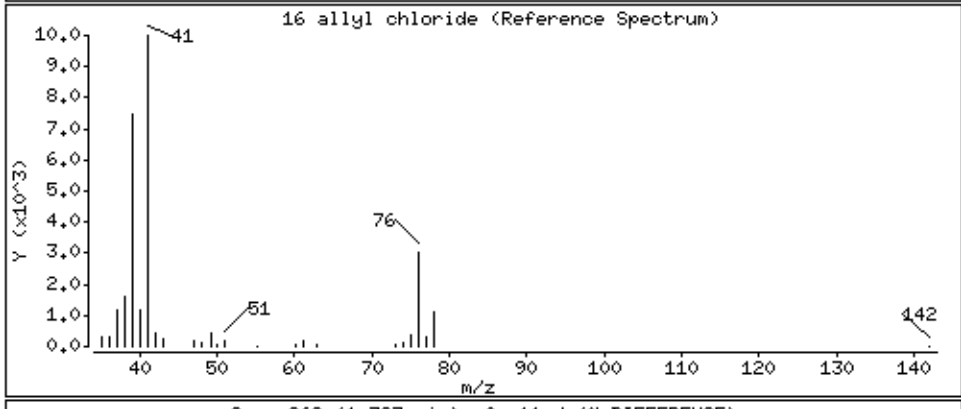
16 allyl chloride

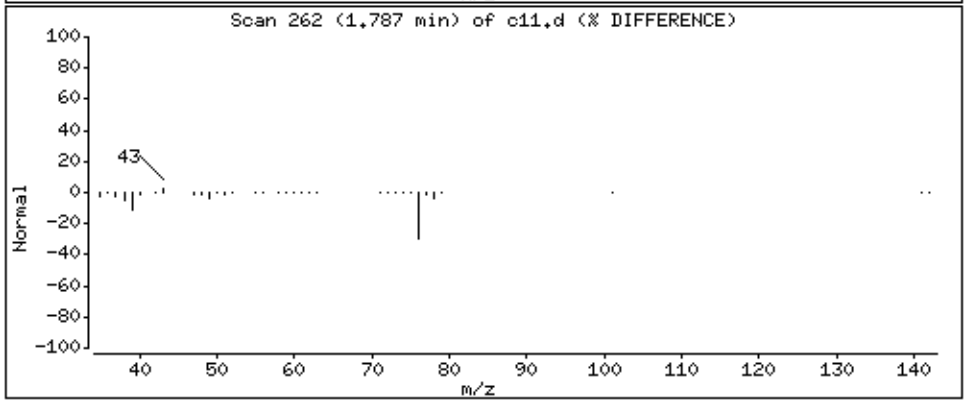
Concentration: 87.7 ppb

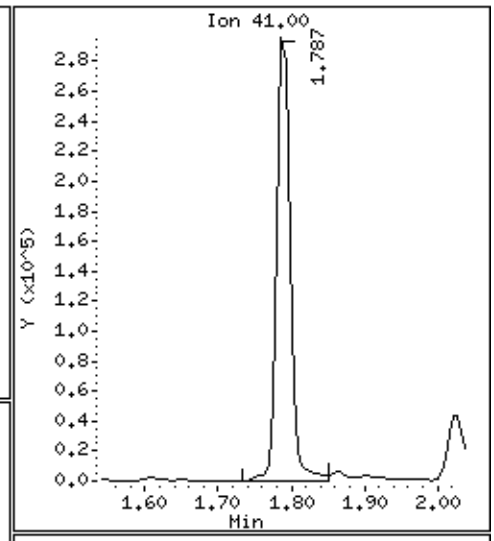
Review Code:

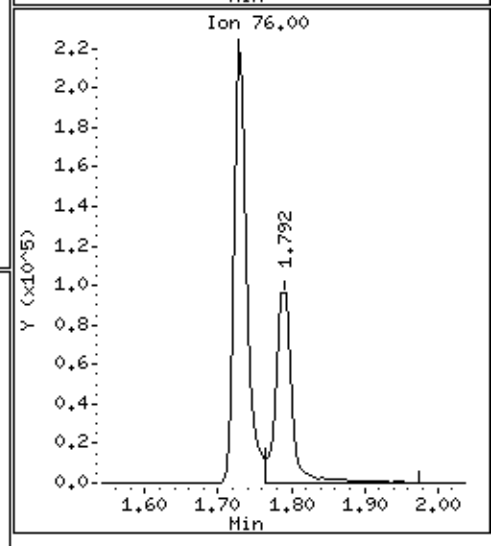












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

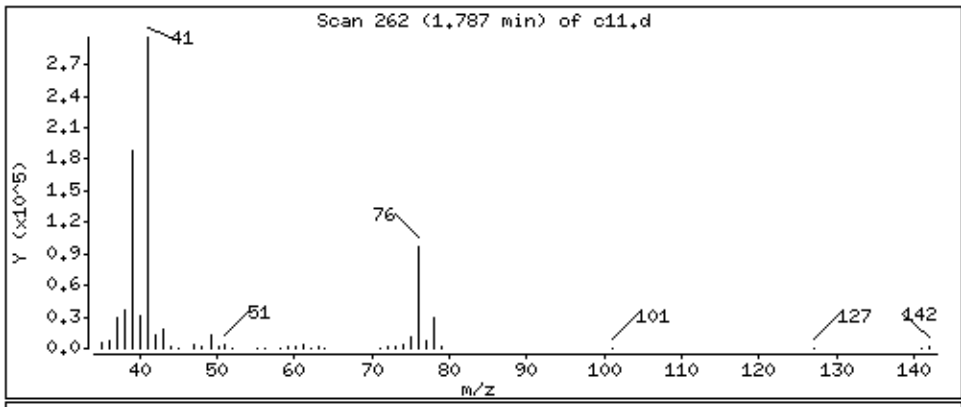
Column phase: DB-624

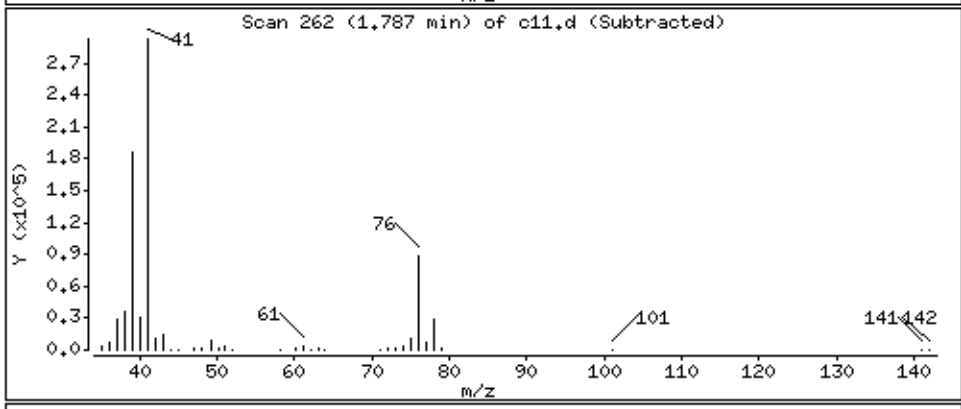
Column diameter: 0.18

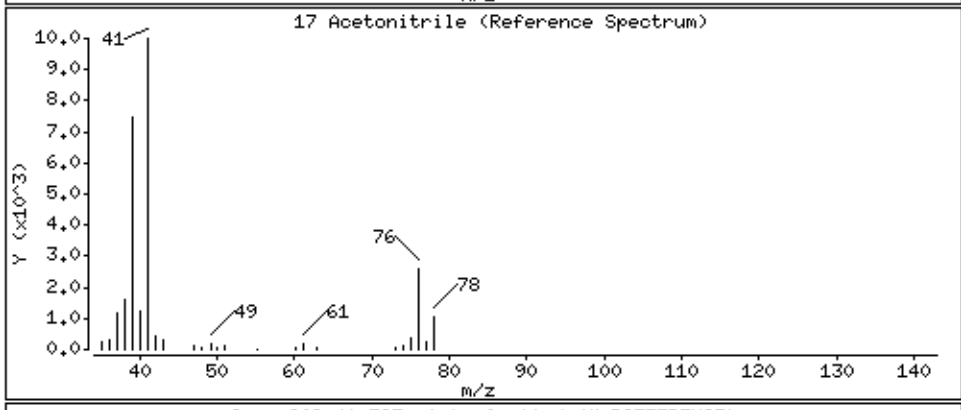
17 Acetonitrile

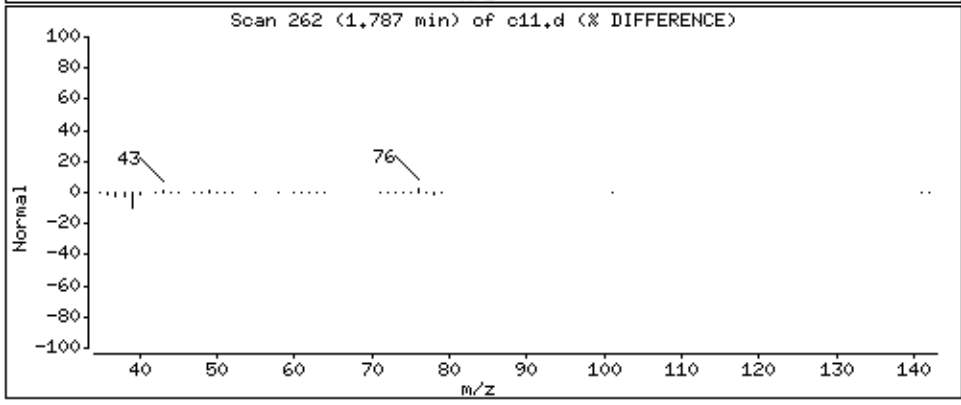
Concentration: 37.6 ppb

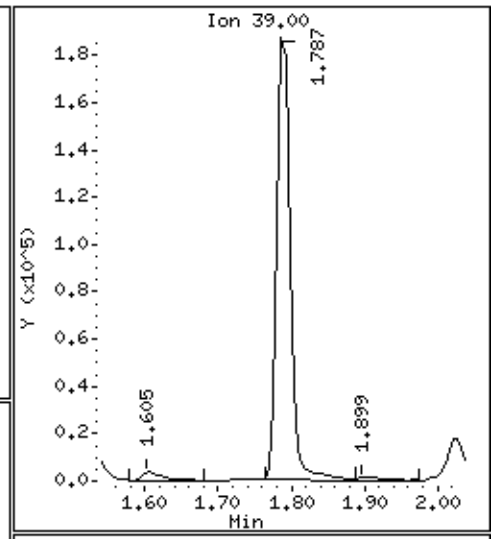
Review Code:

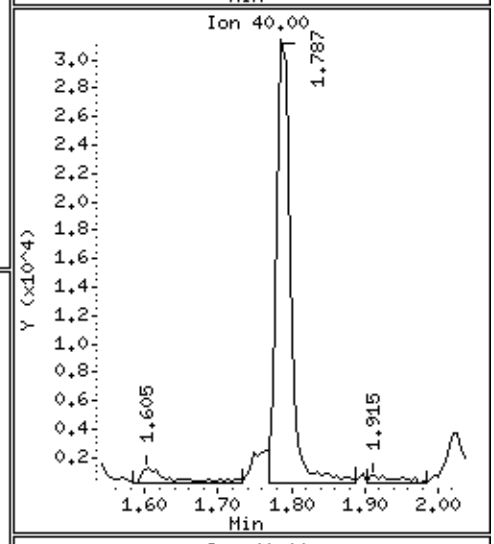


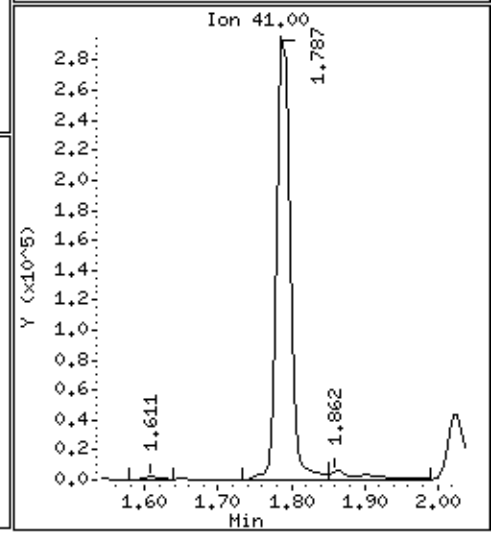












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

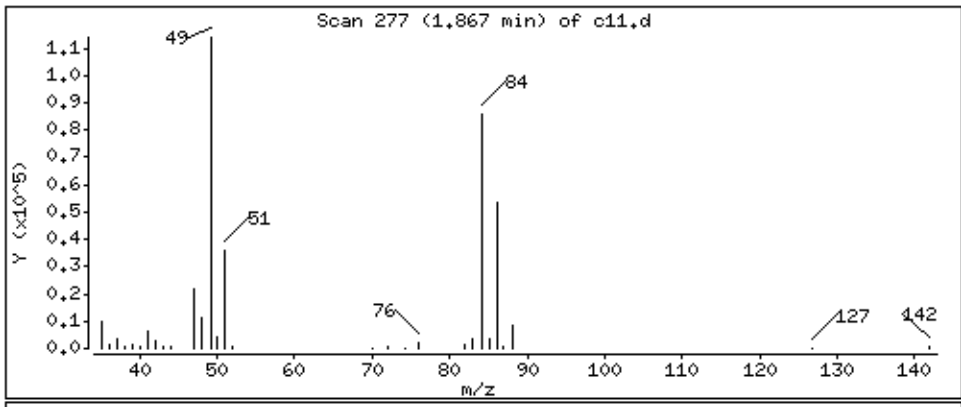
Column phase: DB-624

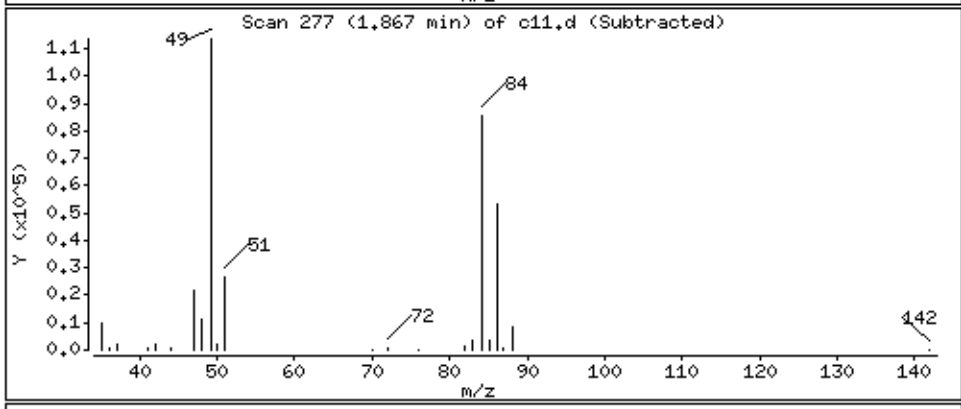
Column diameter: 0.18

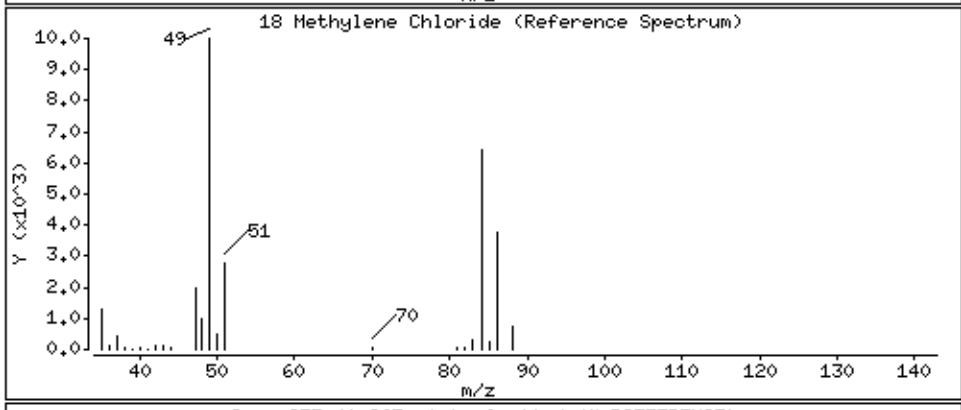
18 Methylene Chloride

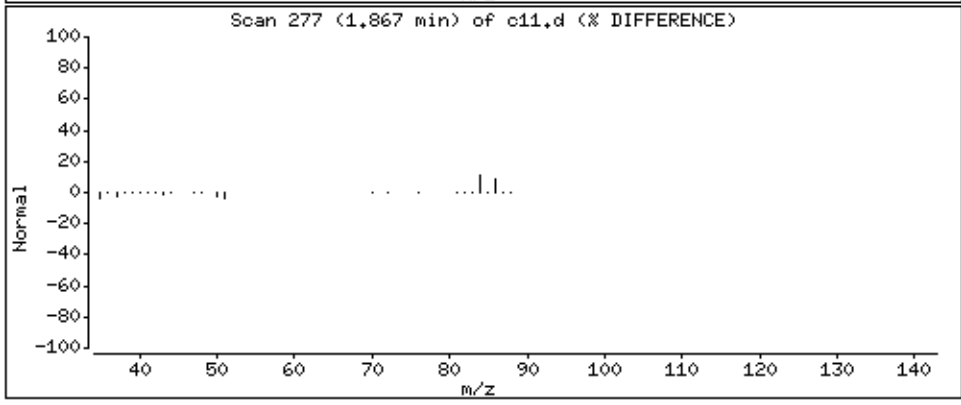
Concentration: 58.6 ppb

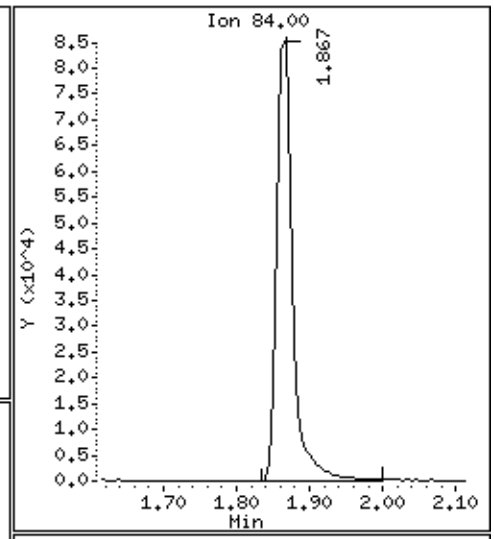
Review Code:

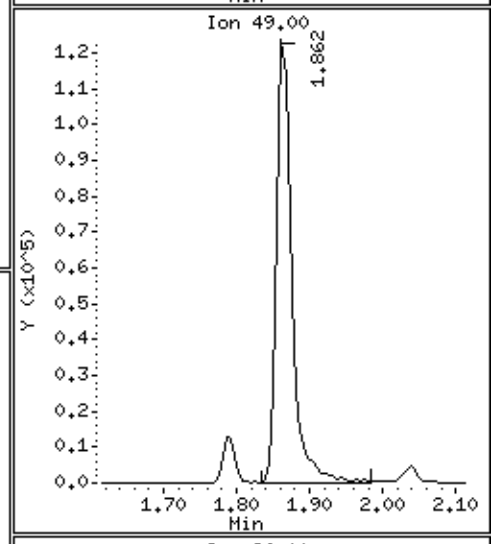


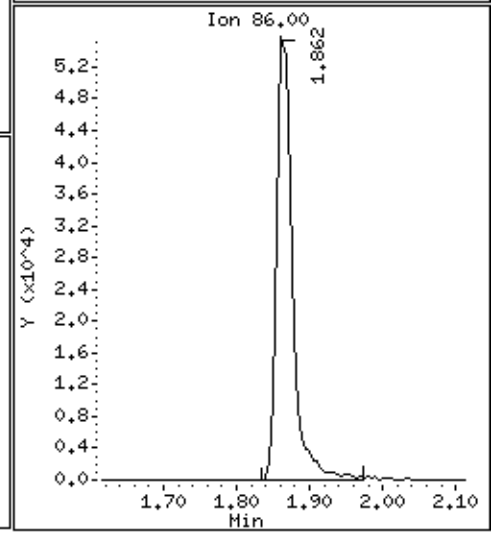












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

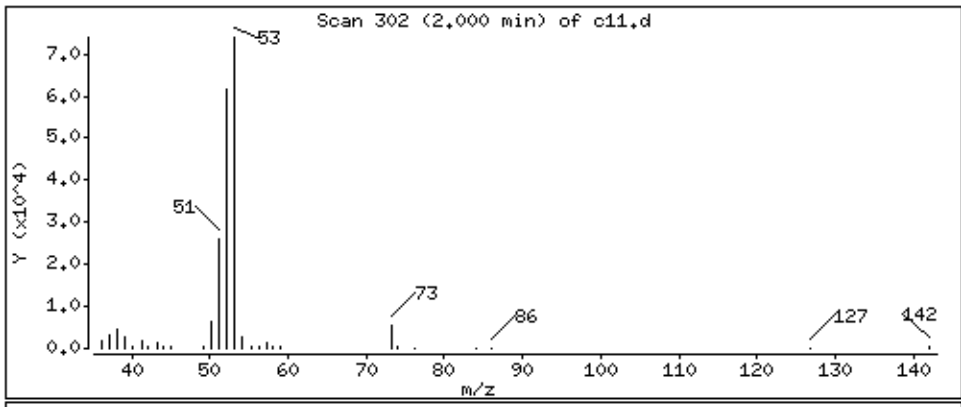
Column phase: DB-624

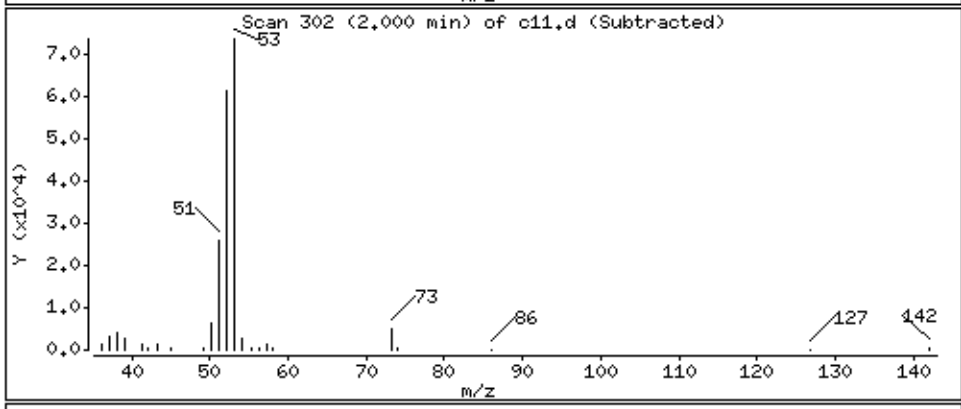
Column diameter: 0.18

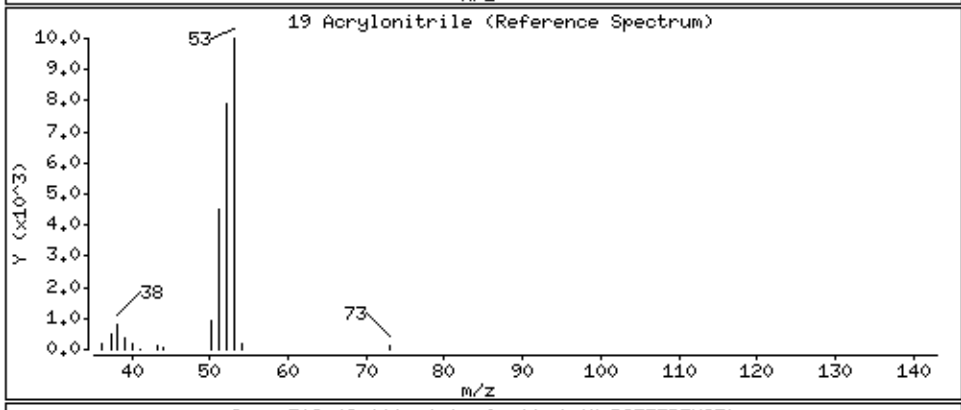
19 Acrylonitrile

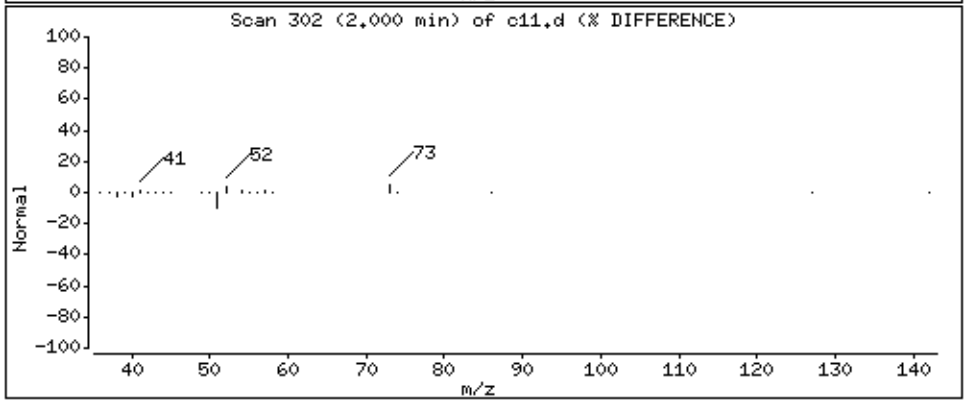
Concentration: 228 ppb

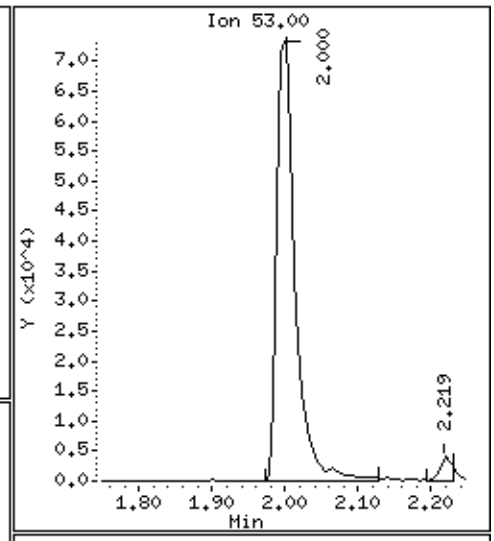
Review Code:

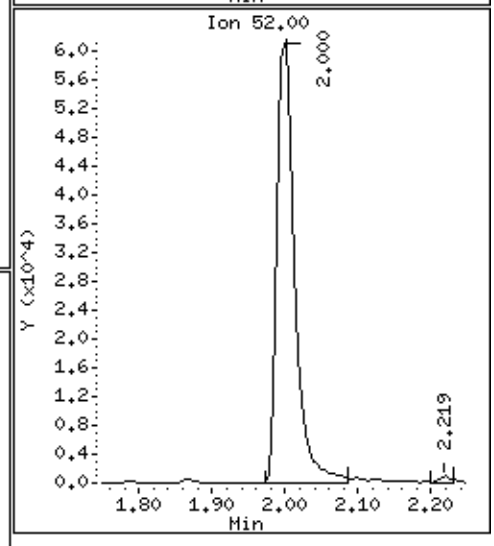












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

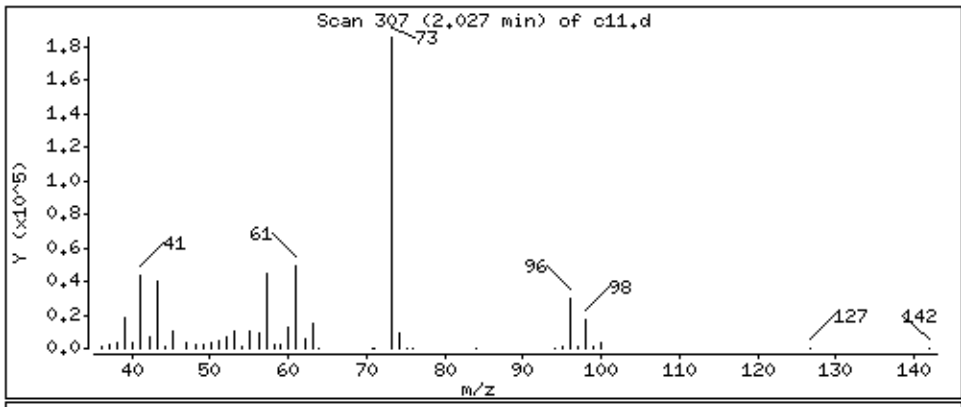
Column phase: DB-624

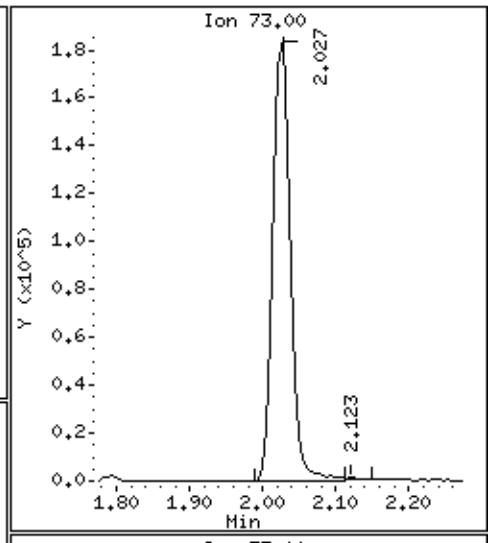
Column diameter: 0.18

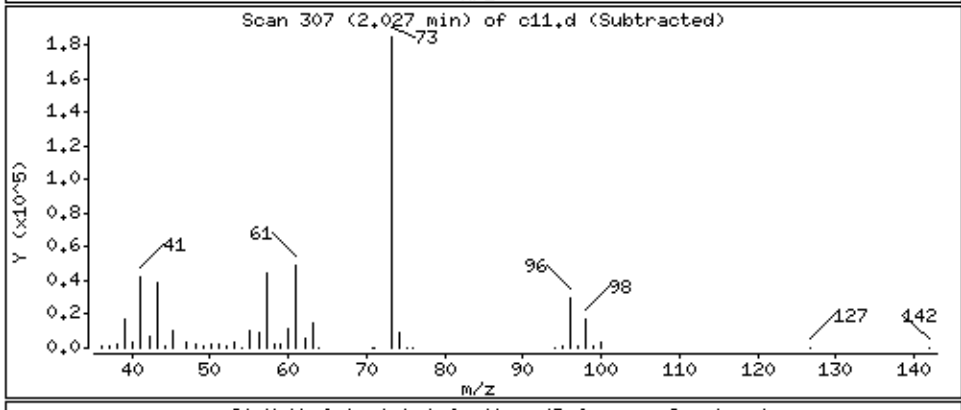
20 Methyl-tert-butyl ether

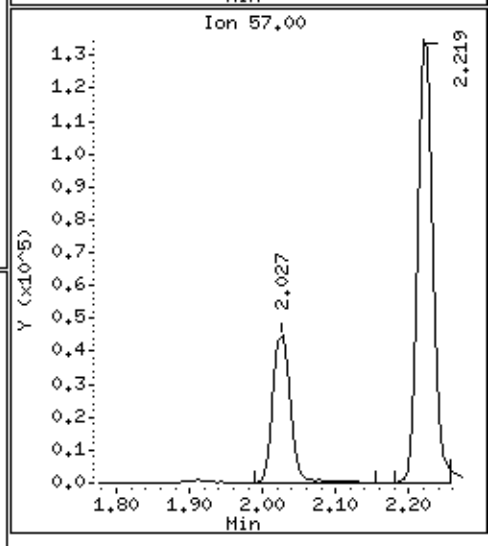
Concentration: 51.7 ppb

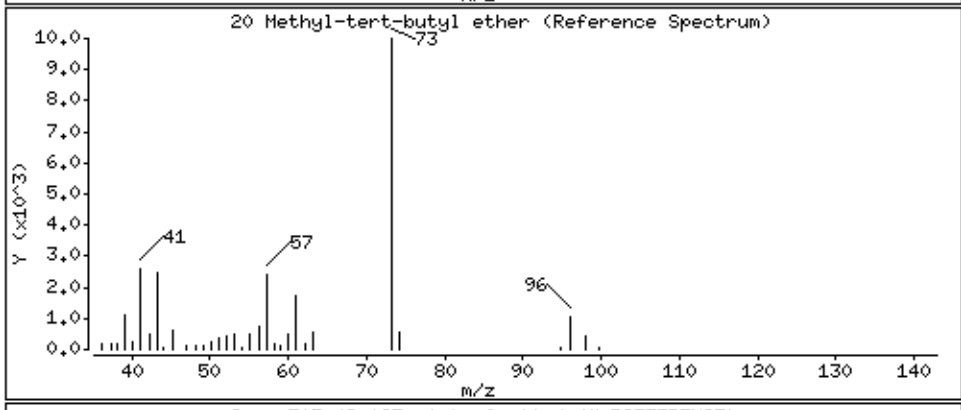
Review Code:

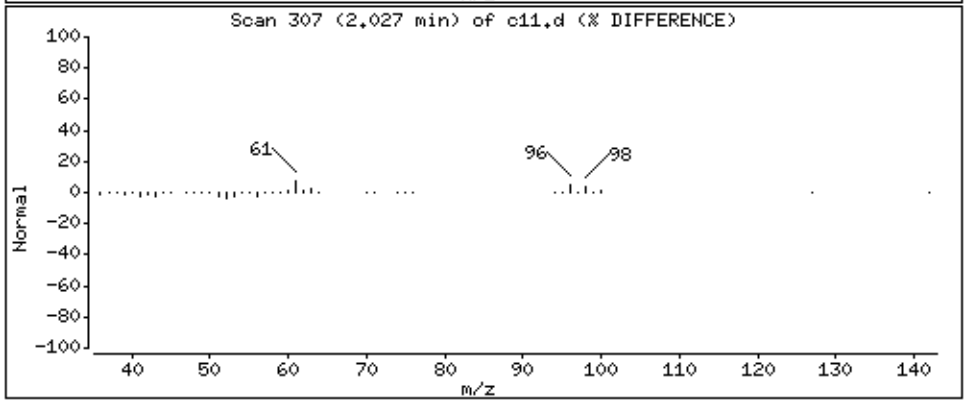












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Page 25

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

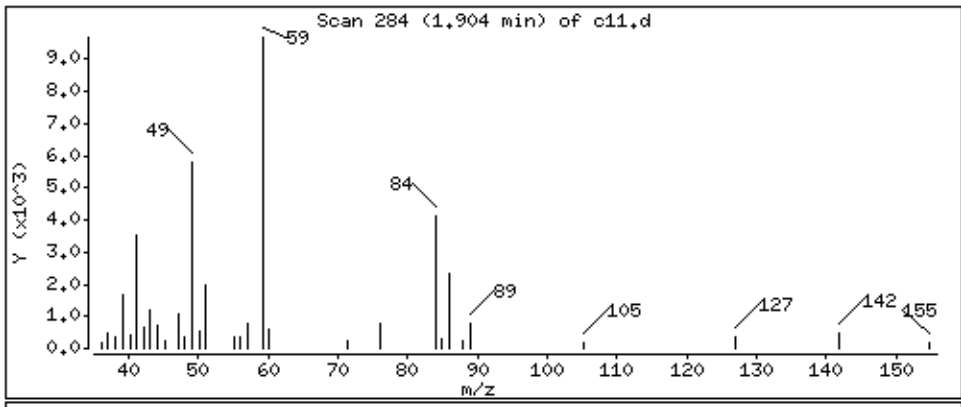
Column phase: DB-624

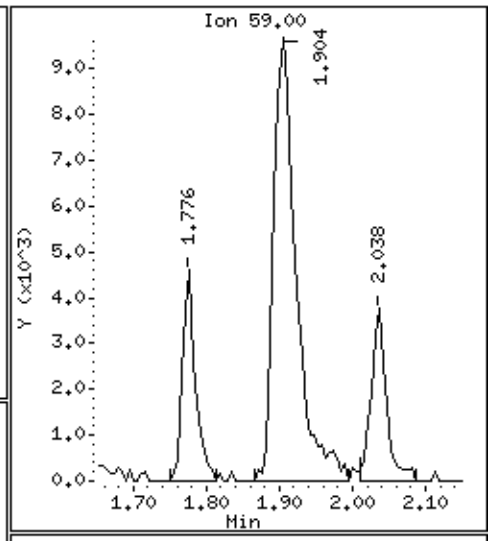
Column diameter: 0.18

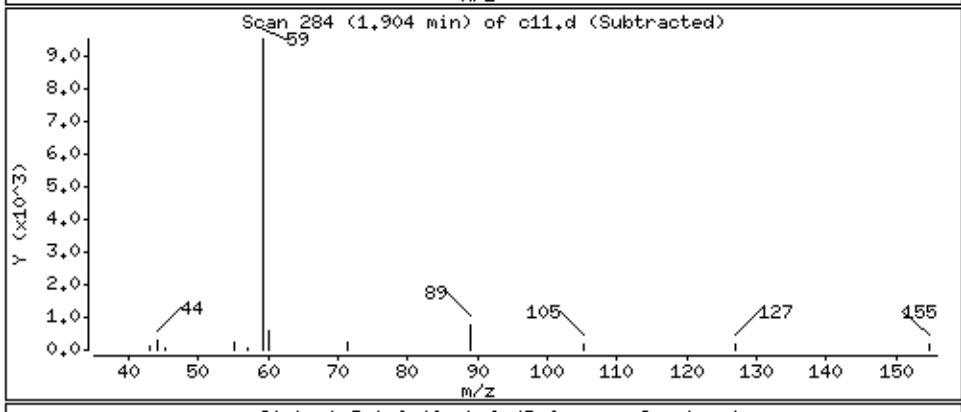
21 tert-Butyl Alcohol

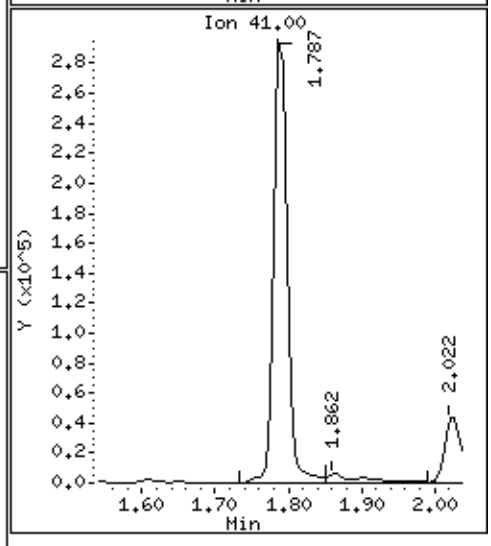
Concentration: 125 ppb

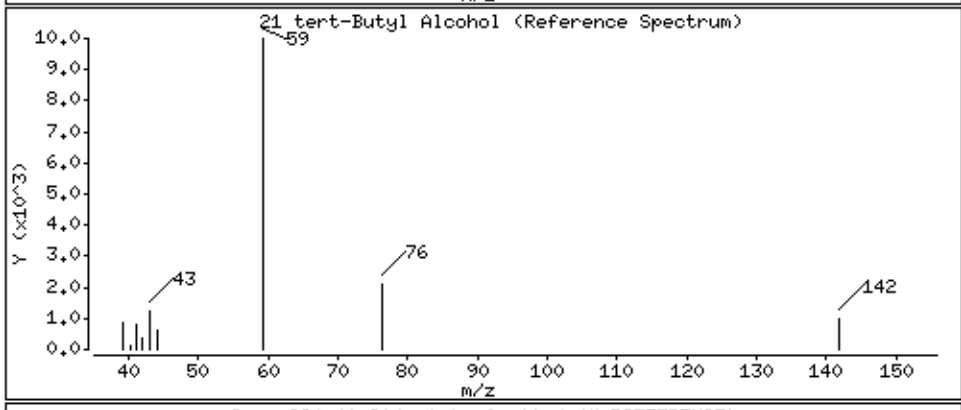
Review Code:

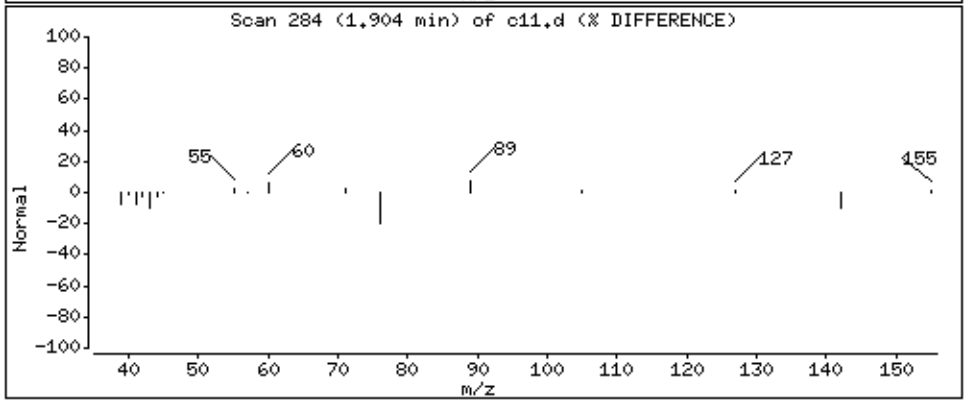












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

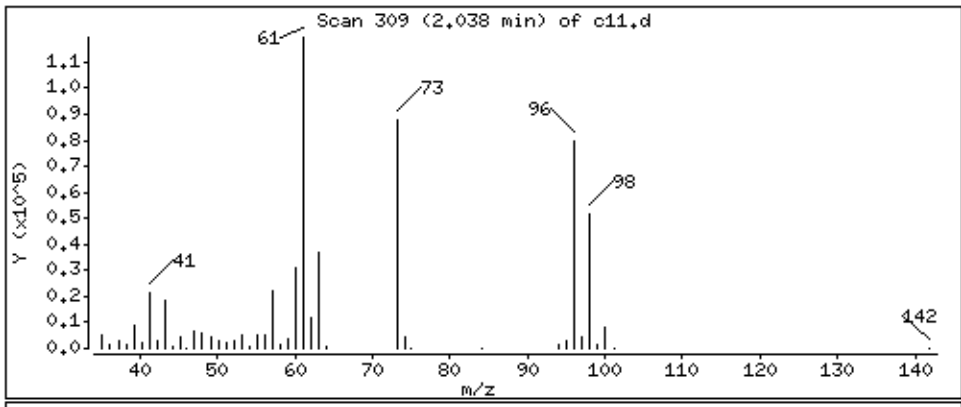
Column phase: DB-624

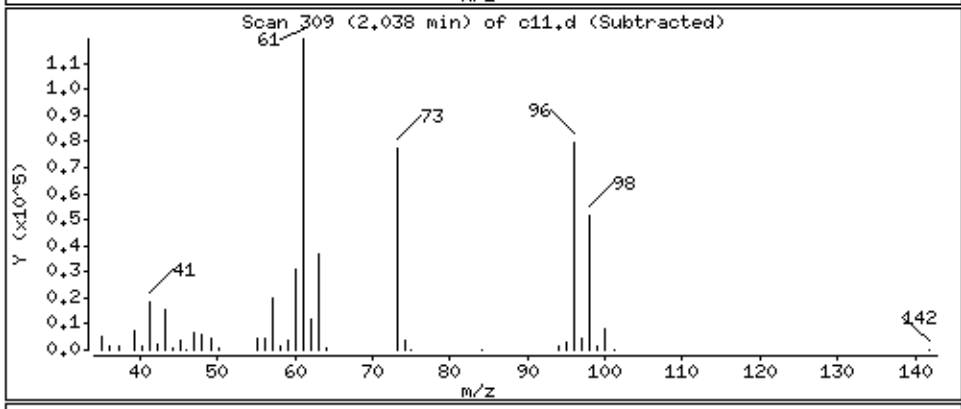
Column diameter: 0.18

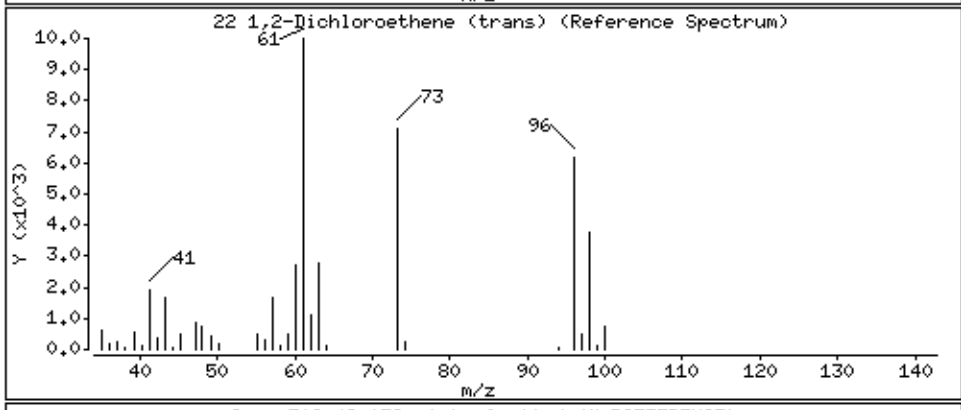
22 1,2-Dichloroethene (trans)

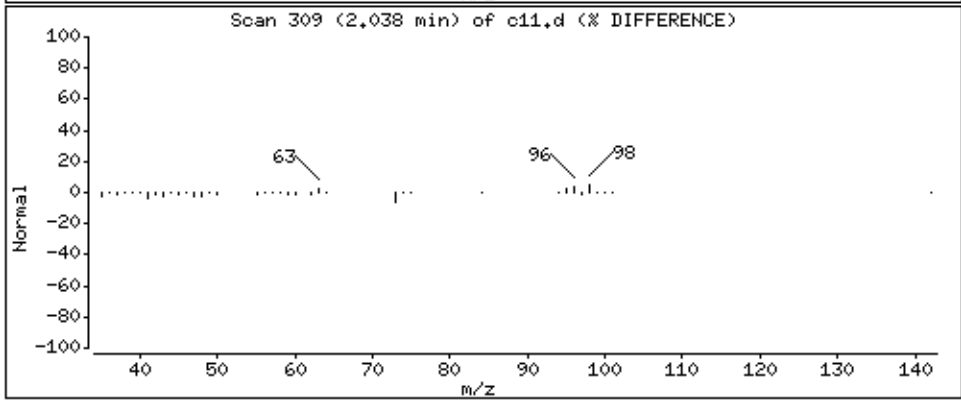
Concentration: 42.9 ppb

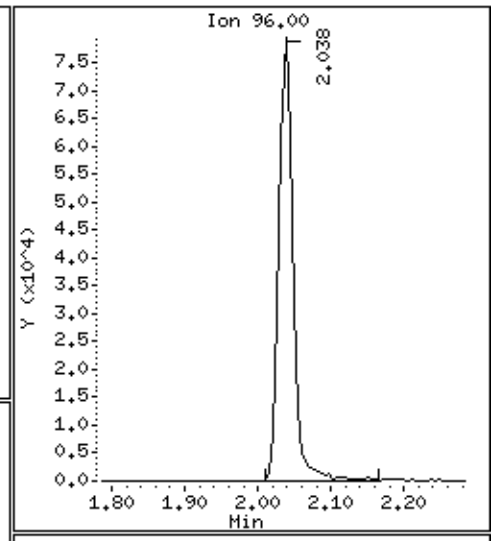
Review Code:

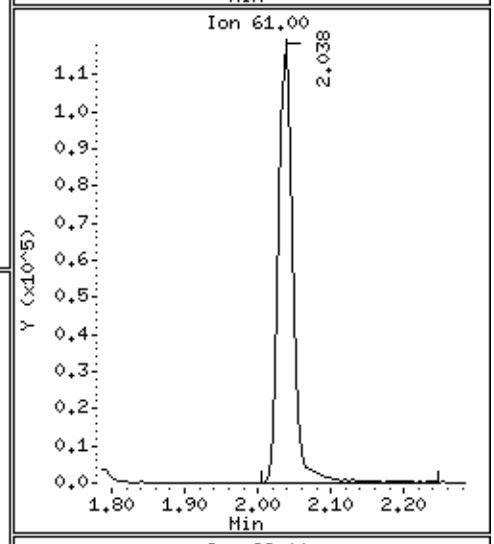


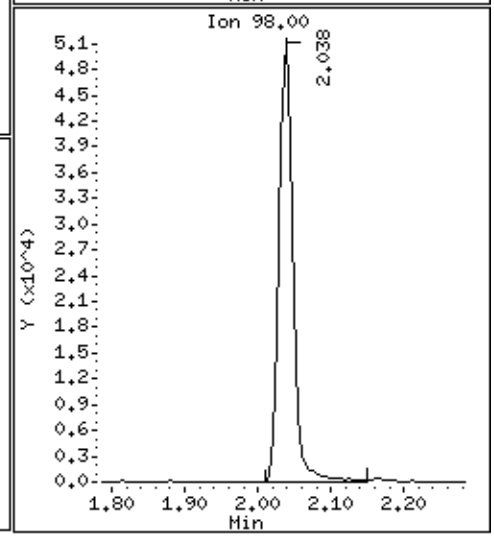












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

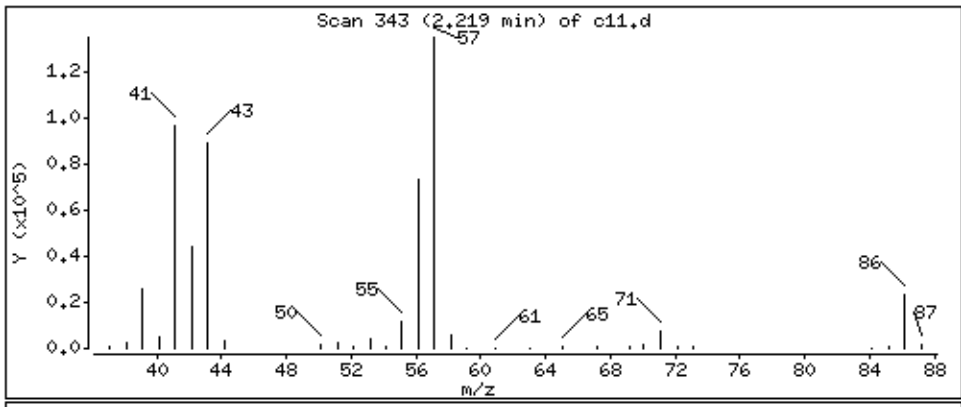
Column phase: DB-624

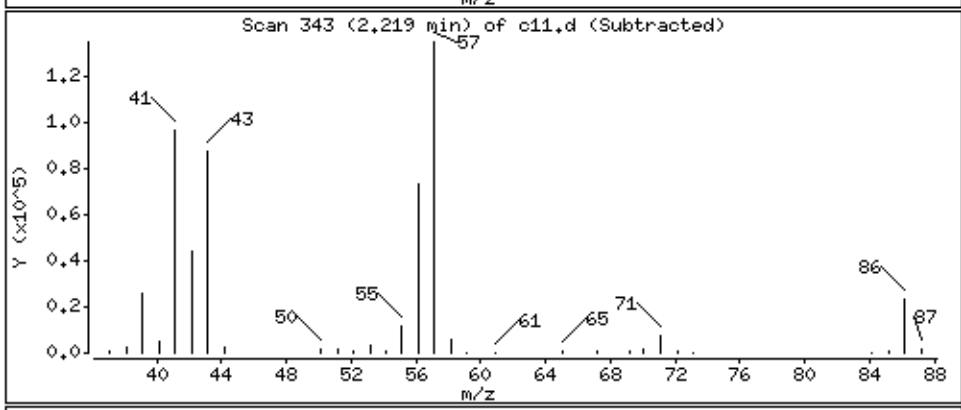
Column diameter: 0.18

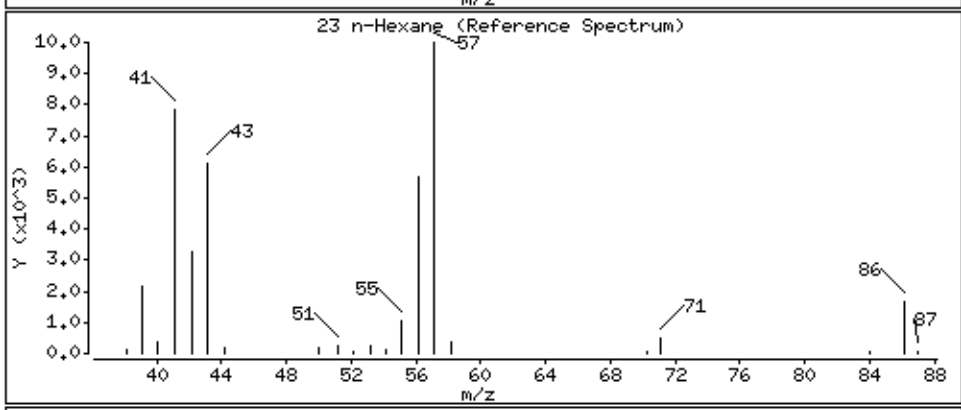
23 n-Hexane

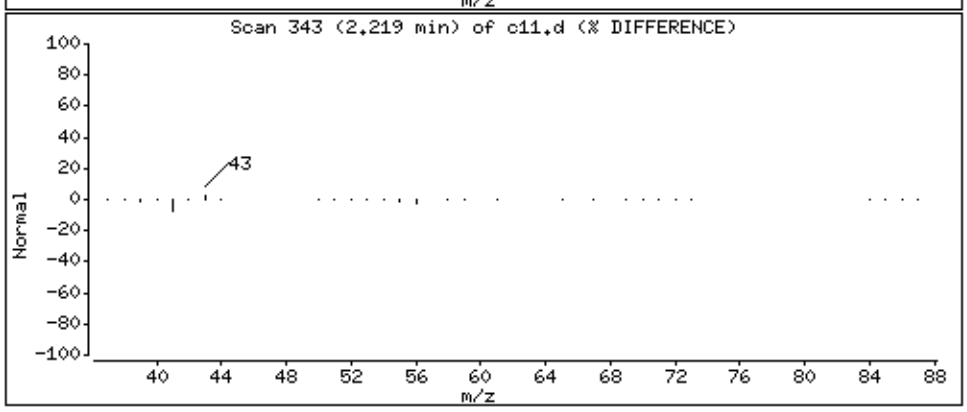
Concentration: 45.5 ppb

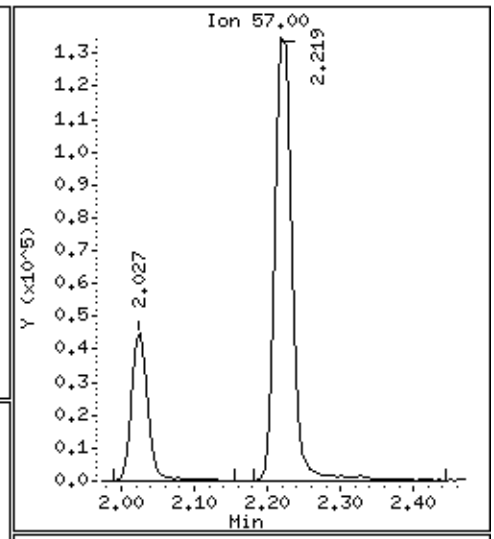
Review Code:

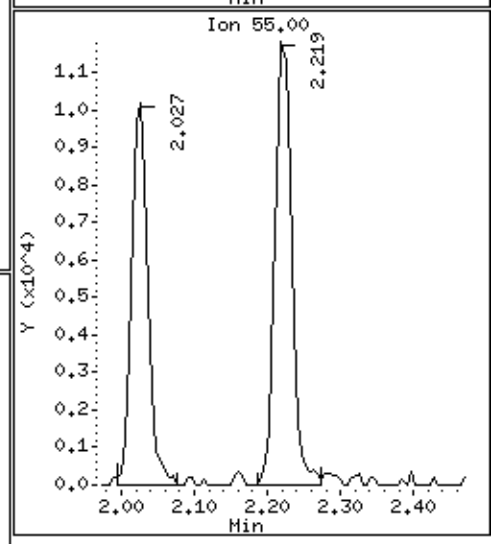












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

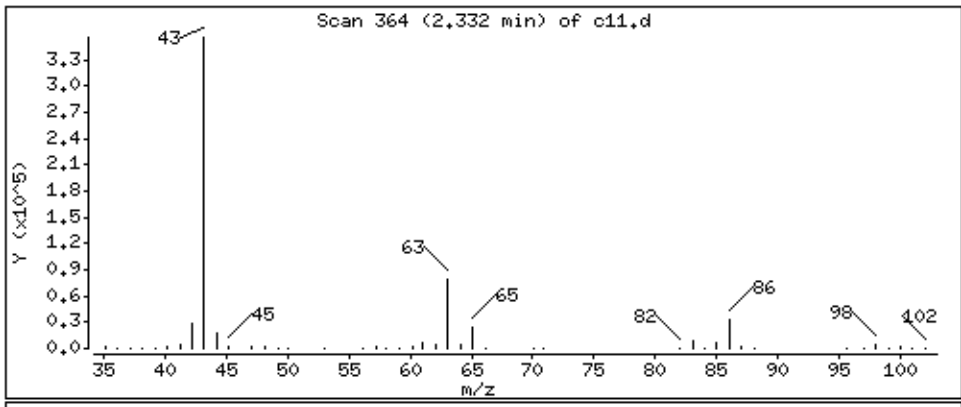
Column phase: DB-624

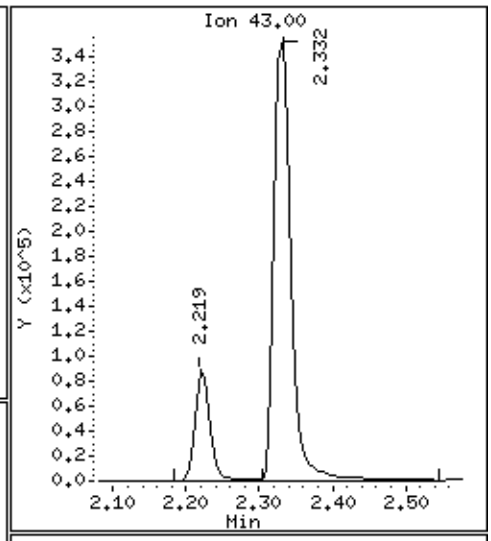
Column diameter: 0.18

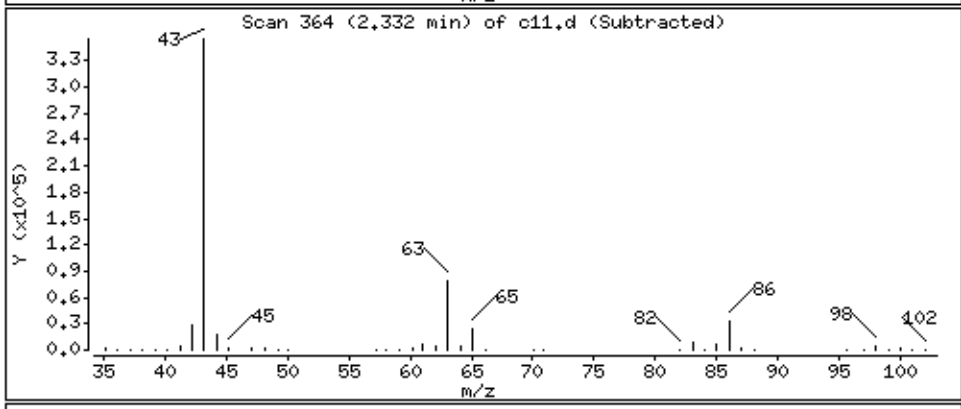
24 Vinyl Acetate

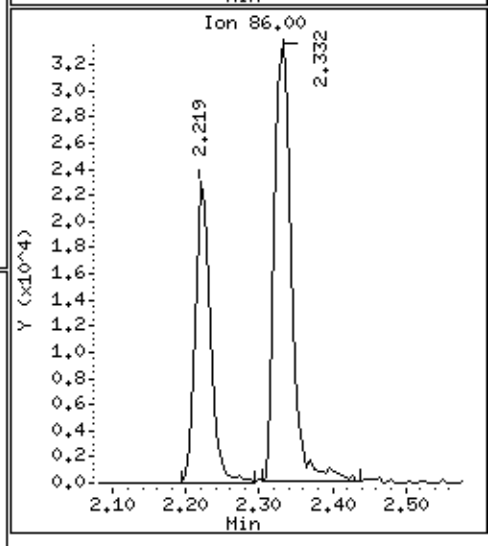
Concentration: 149 ppb

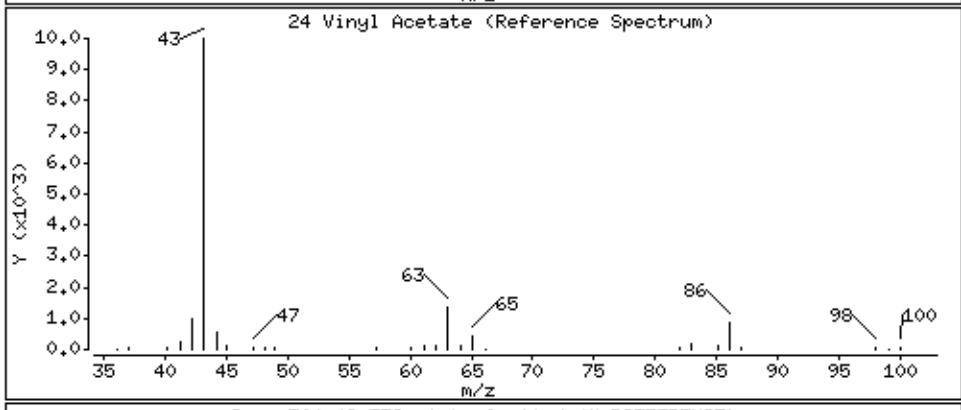
Review Code:

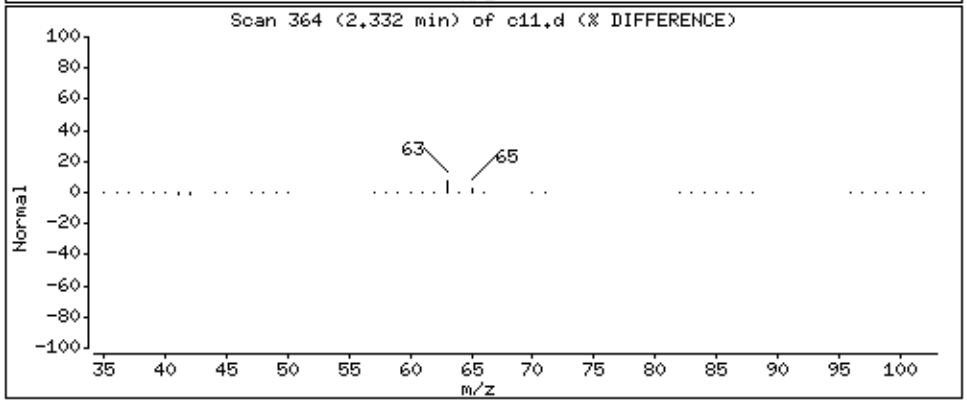












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

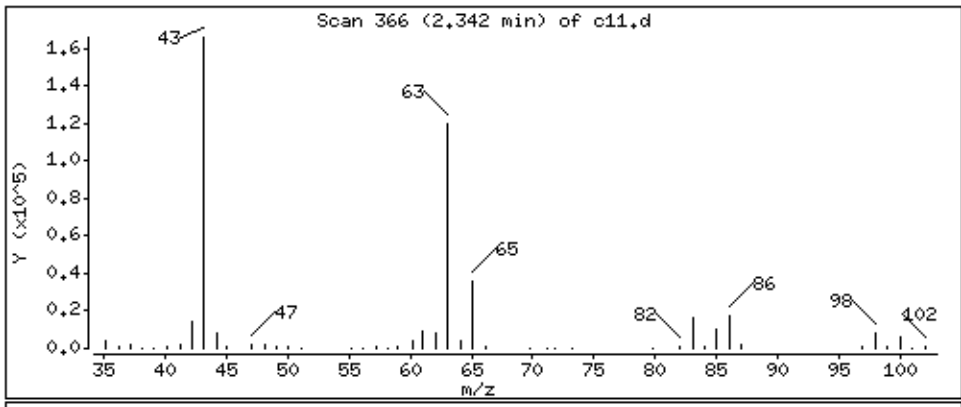
Column phase: DB-624

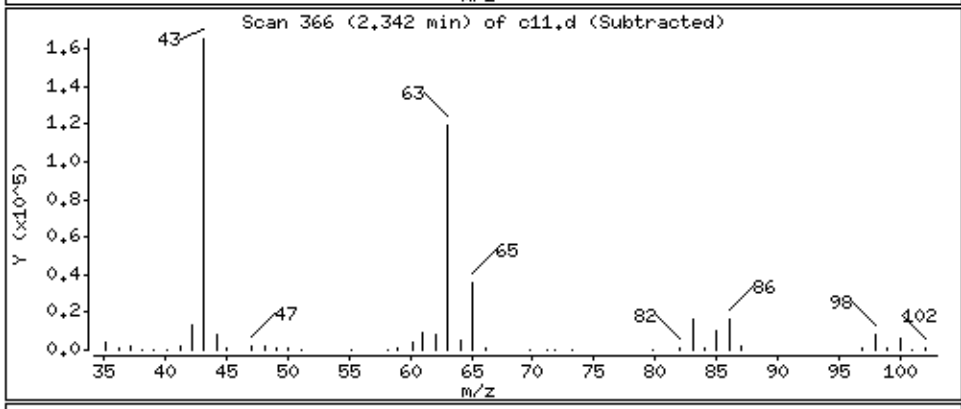
Column diameter: 0.18

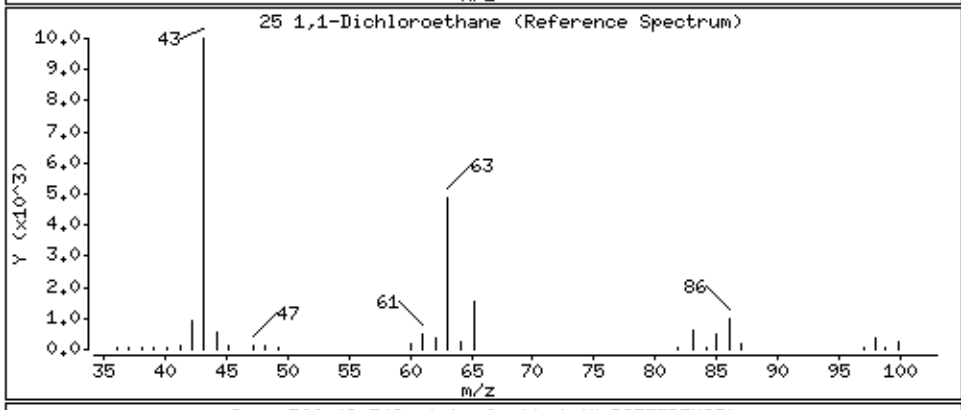
25 1,1-Dichloroethane

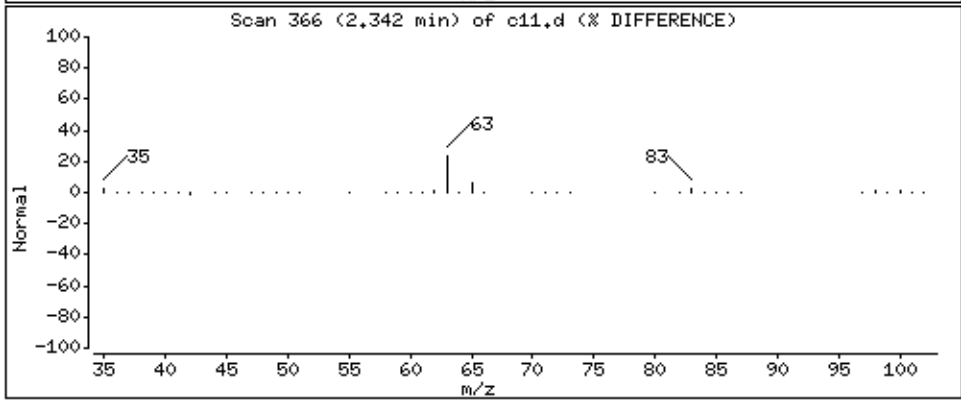
Concentration: 45.0 ppb

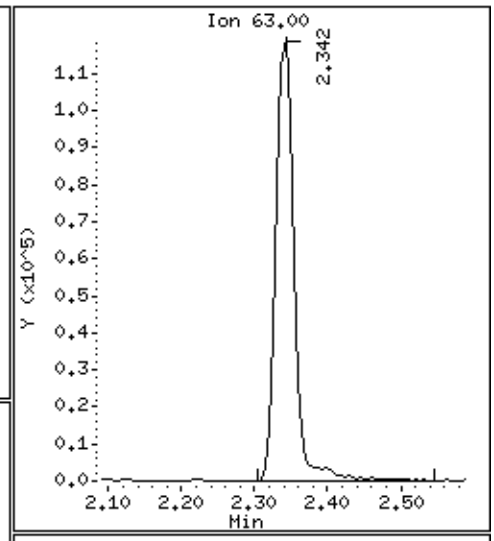
Review Code:

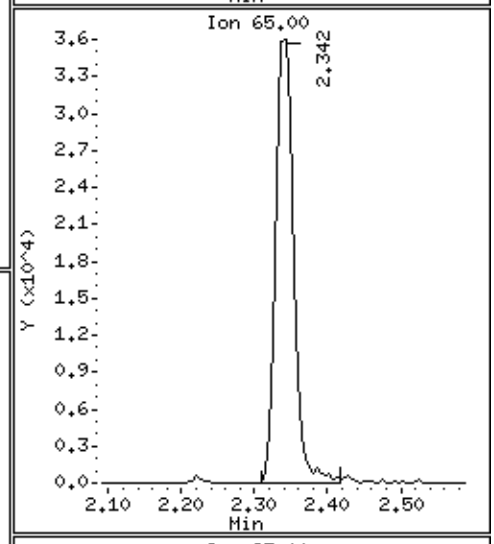


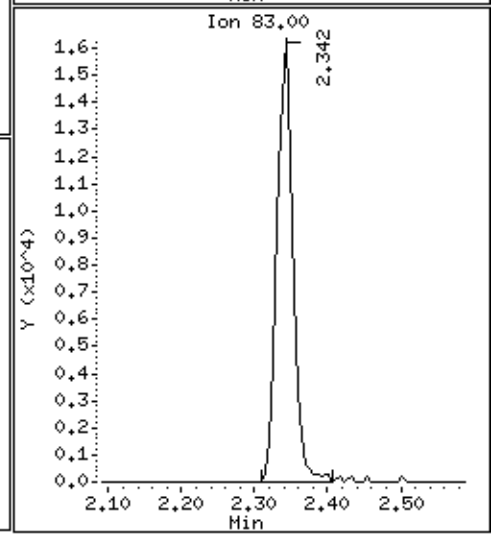












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

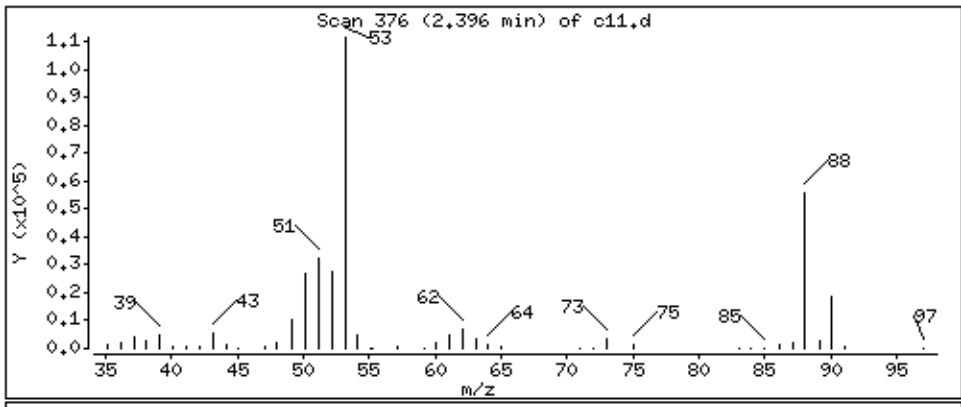
Column phase: DB-624

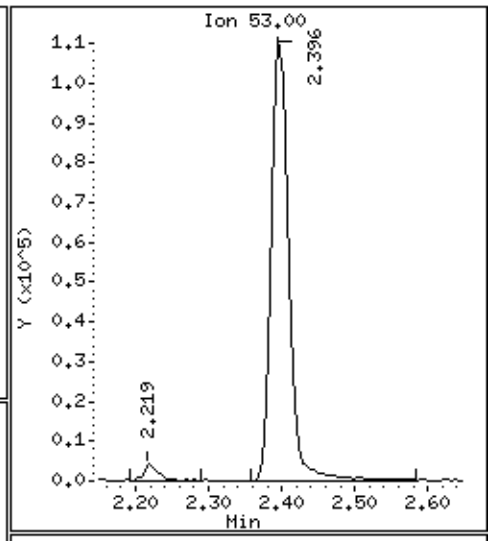
Column diameter: 0.18

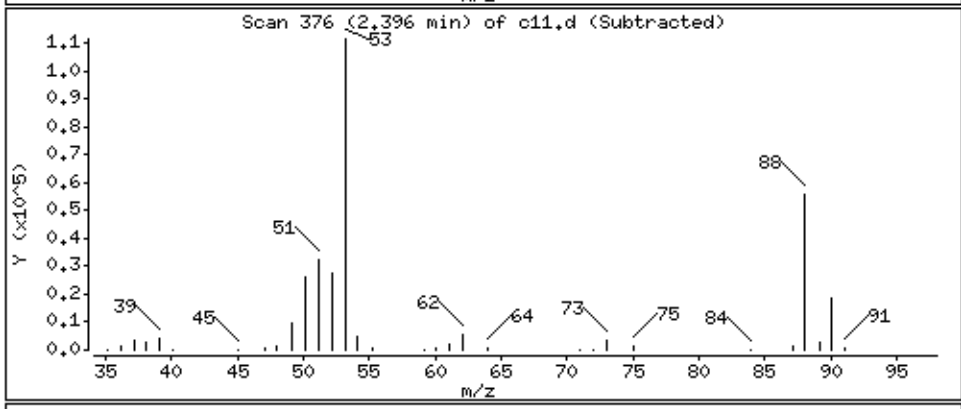
26 Chloroprene

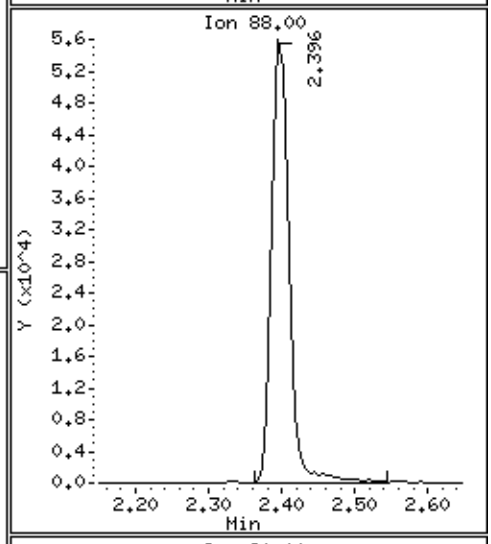
Concentration: 38.8 ppb

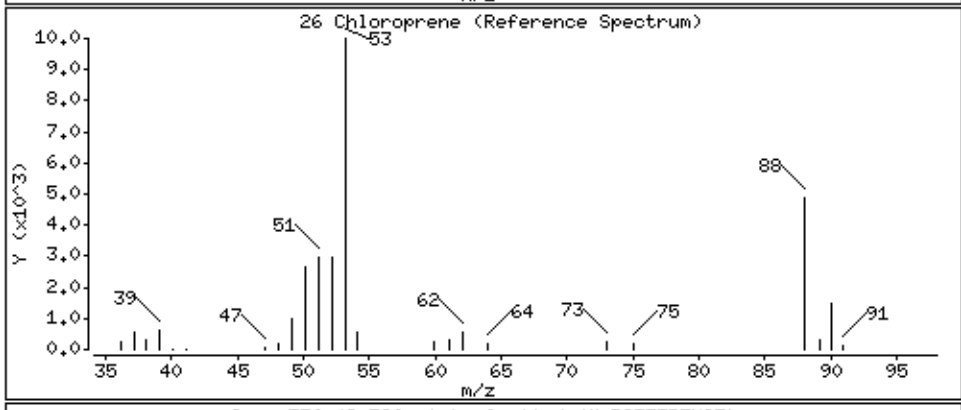
Review Code:

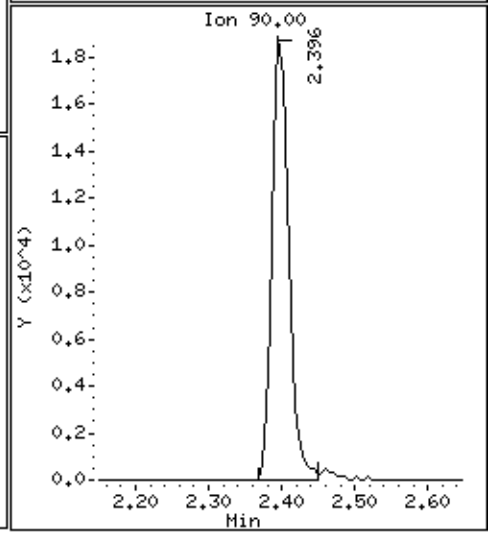


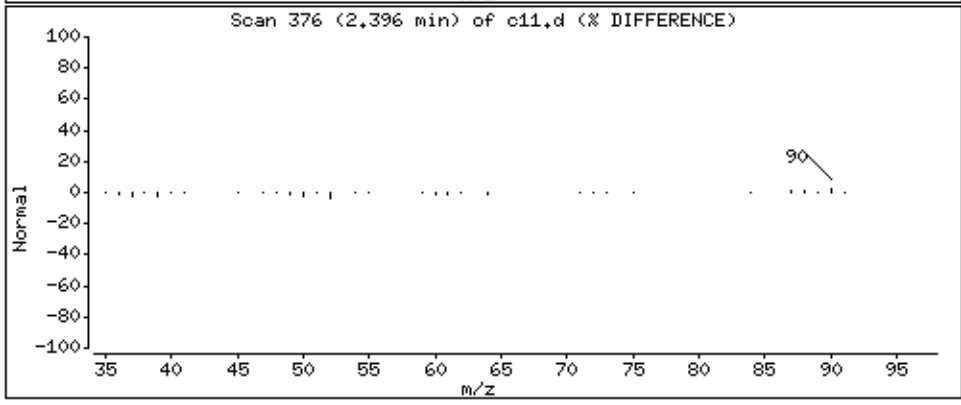












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

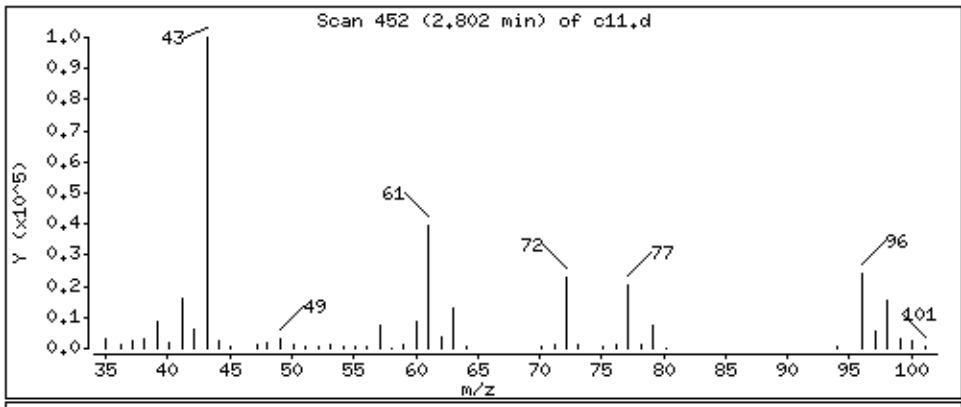
Column phase: DB-624

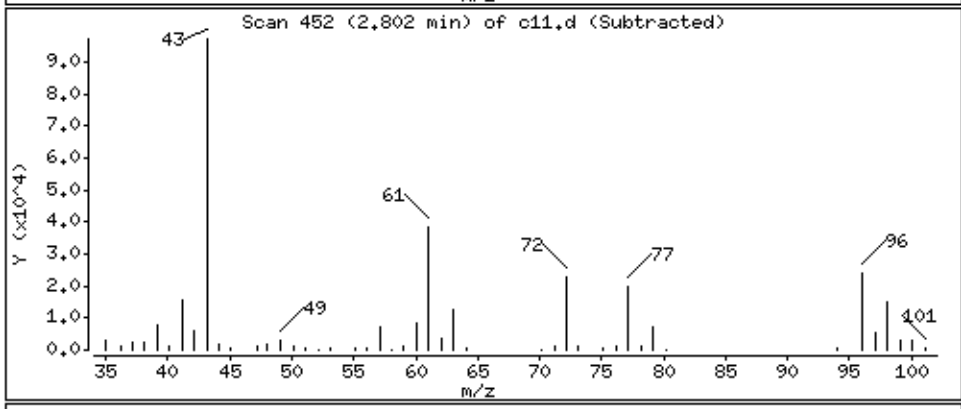
Column diameter: 0.18

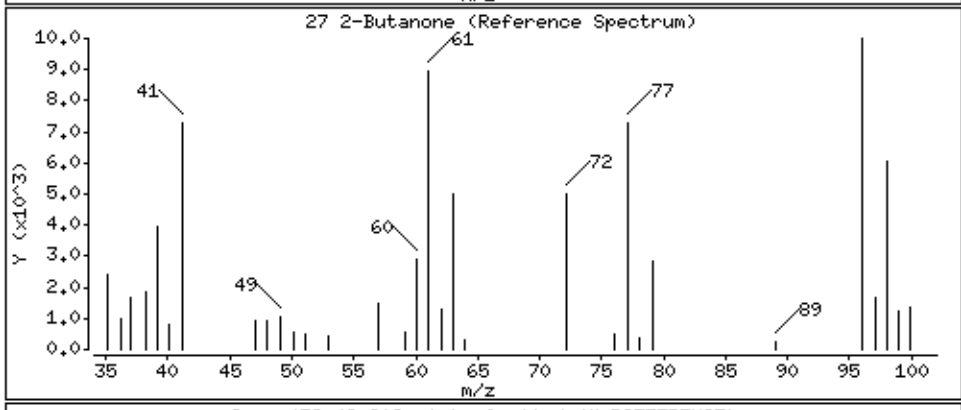
27 2-Butanone

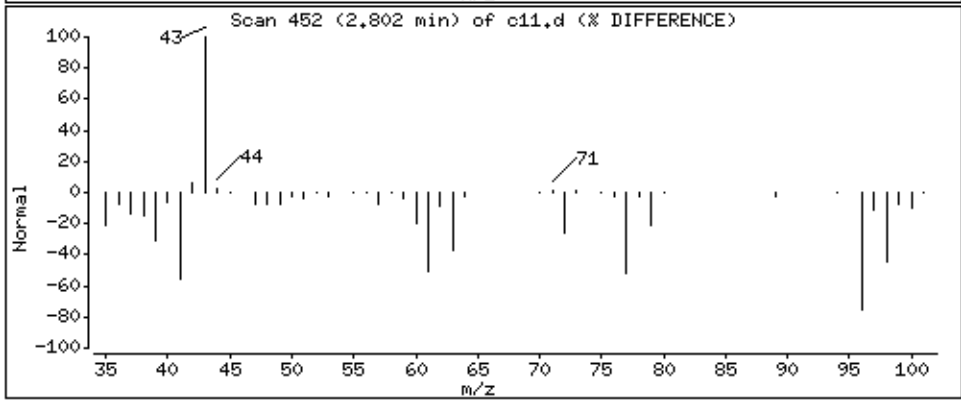
Concentration: 286 ppb

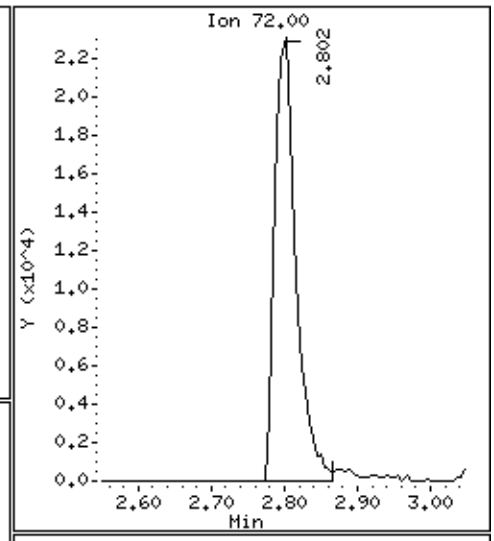
Review Code:

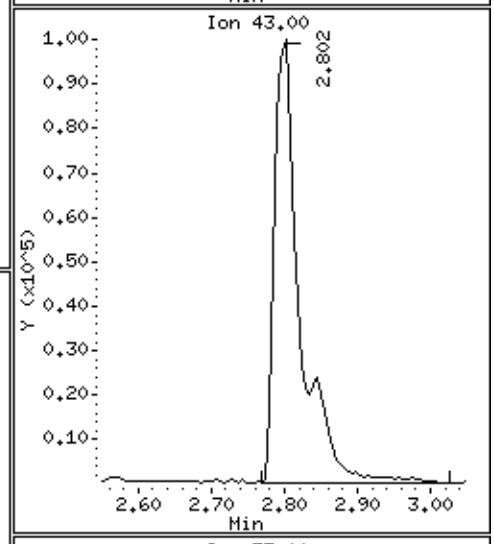


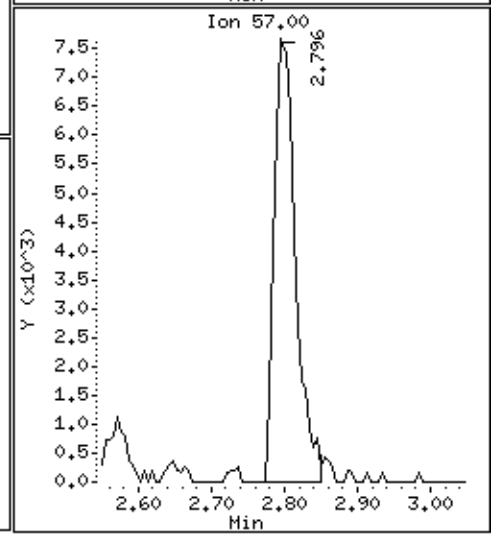












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

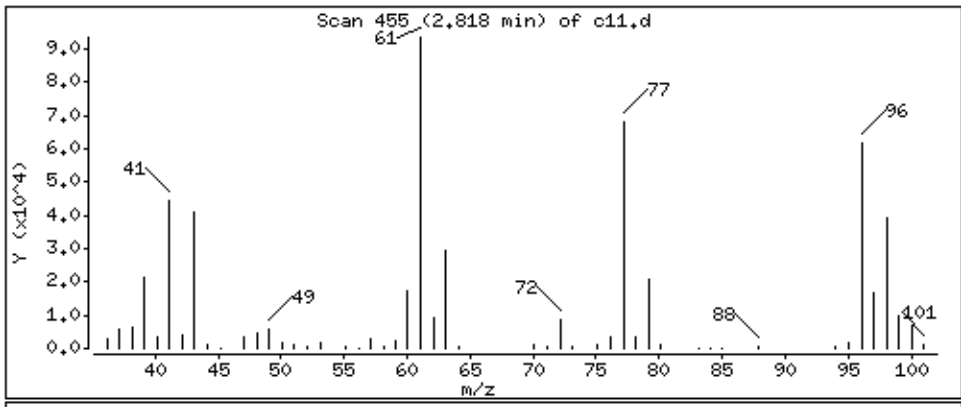
Column phase: DB-624

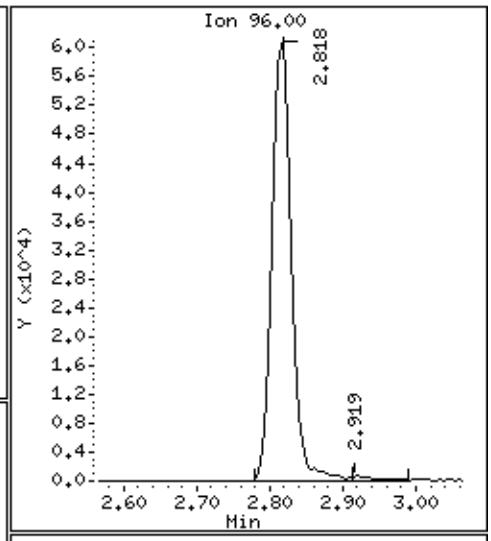
Column diameter: 0.18

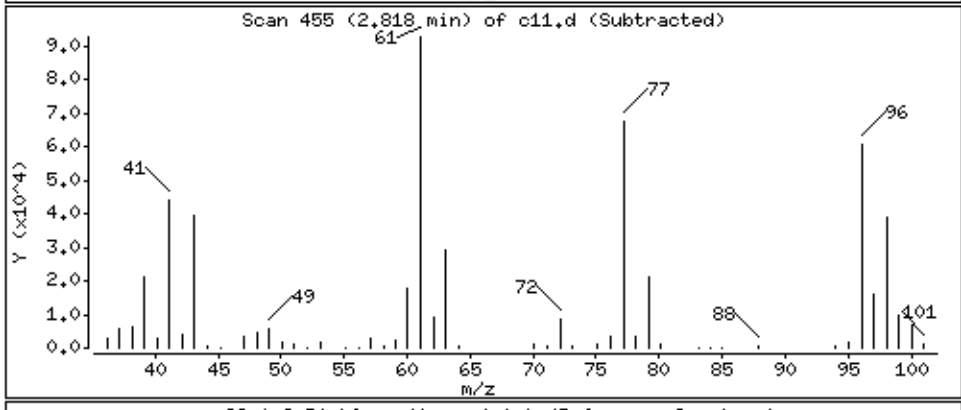
28 1,2-Dichloroethene (cis)

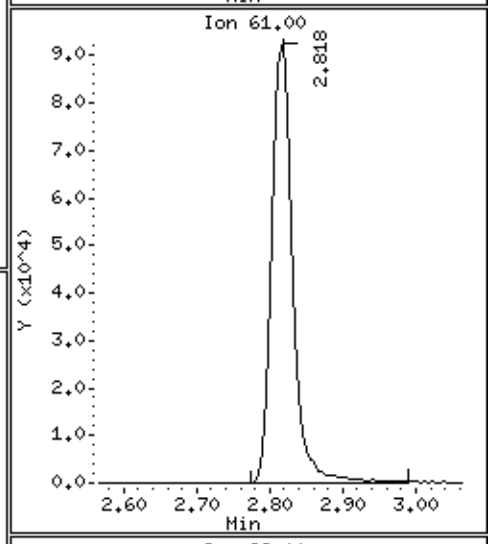
Concentration: 42.8 ppb

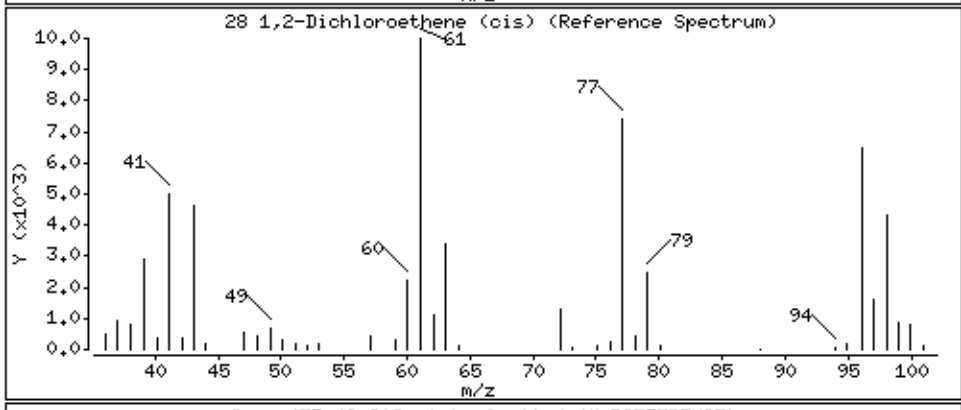
Review Code:

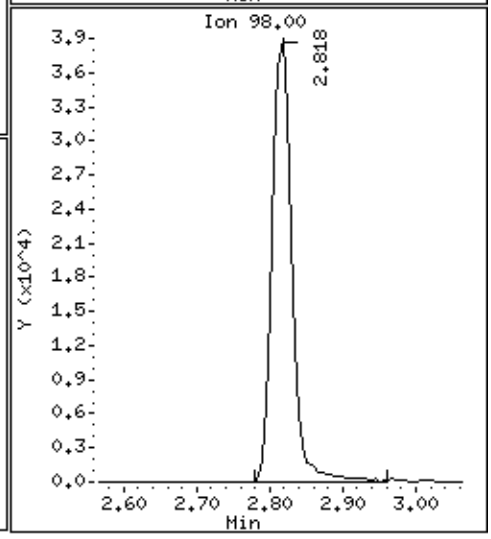


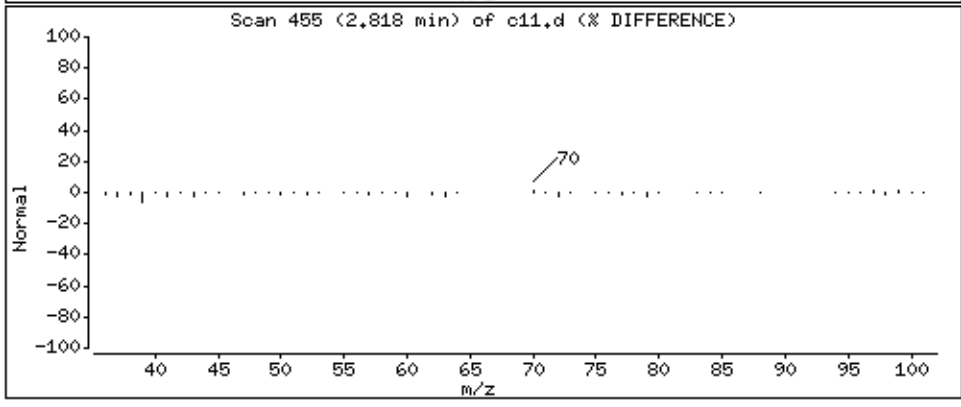












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

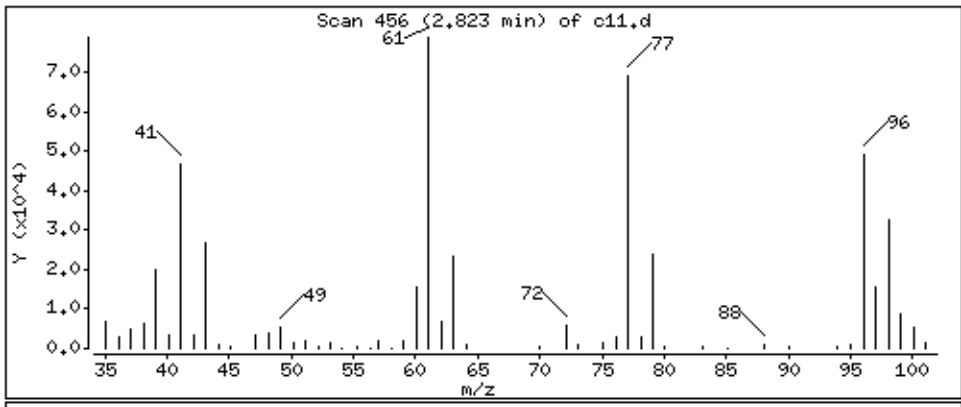
Column phase: DB-624

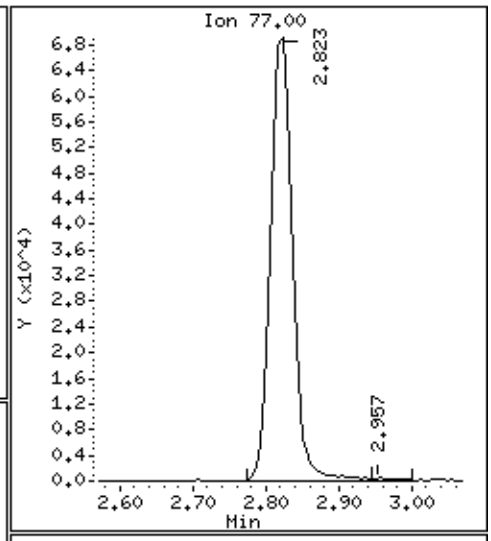
Column diameter: 0.18

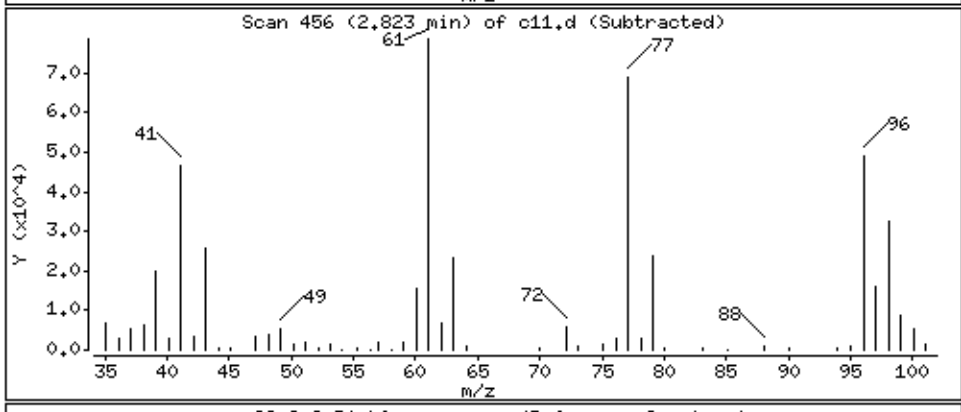
29 2,2-Dichloropropane

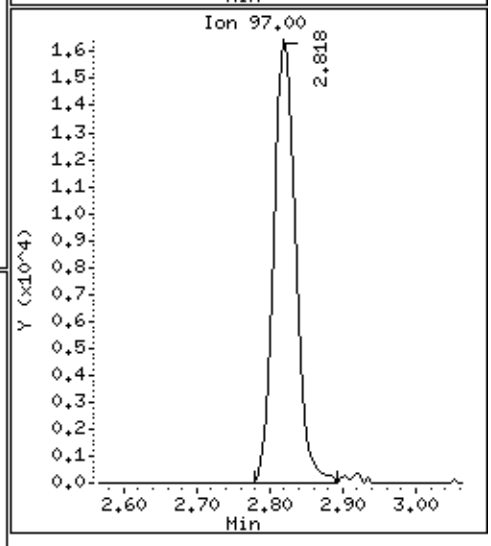
Concentration: 40.2 ppb

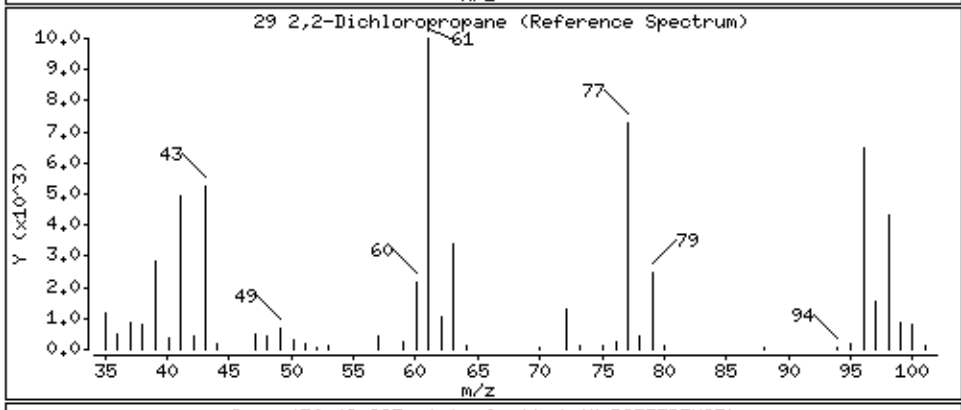
Review Code:

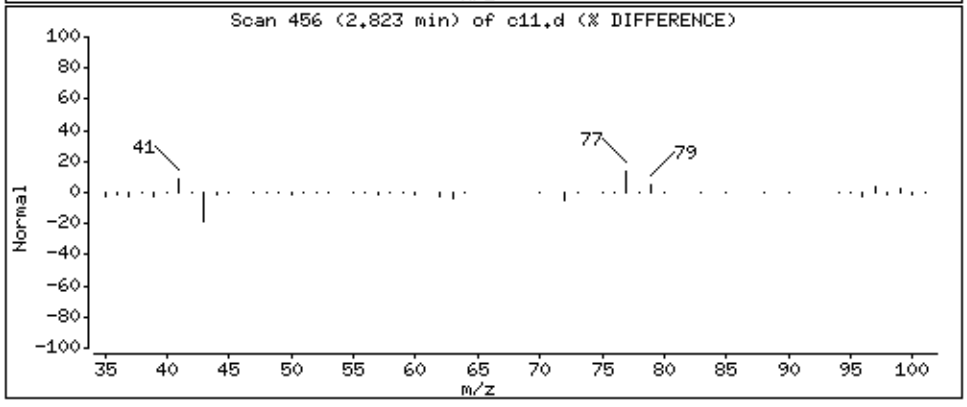












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

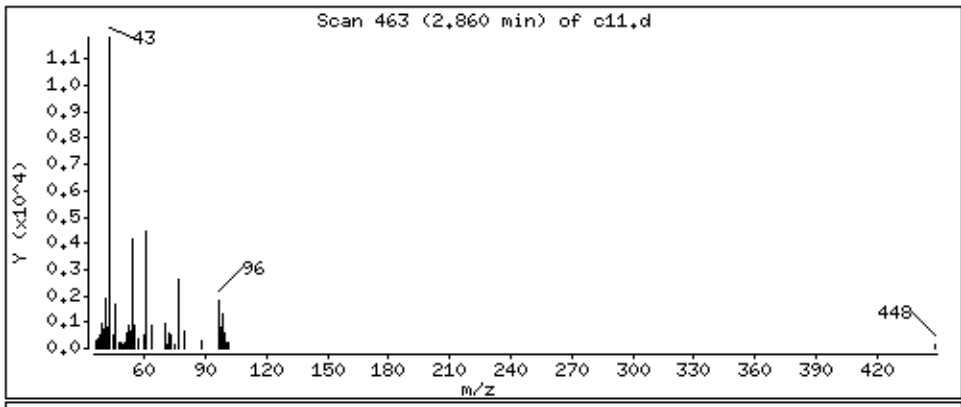
Column phase: DB-624

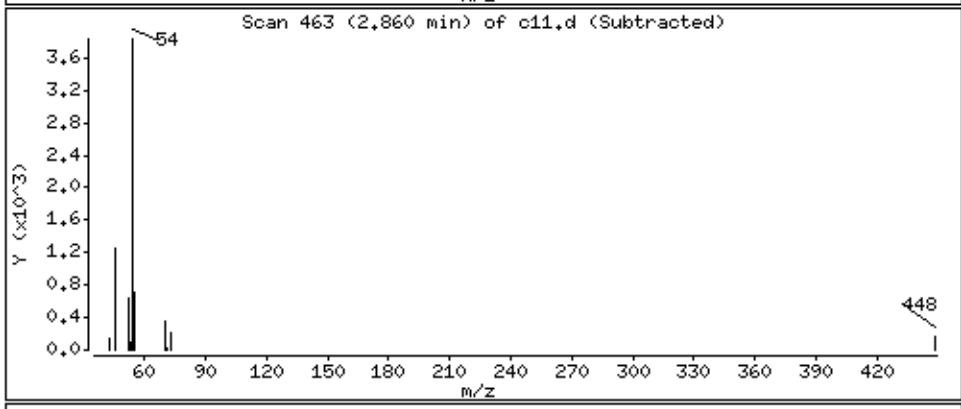
Column diameter: 0.18

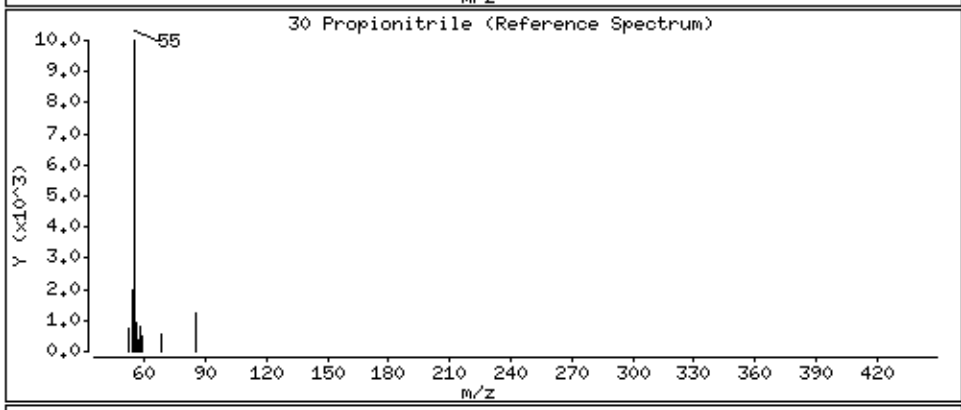
30 Propionitrile

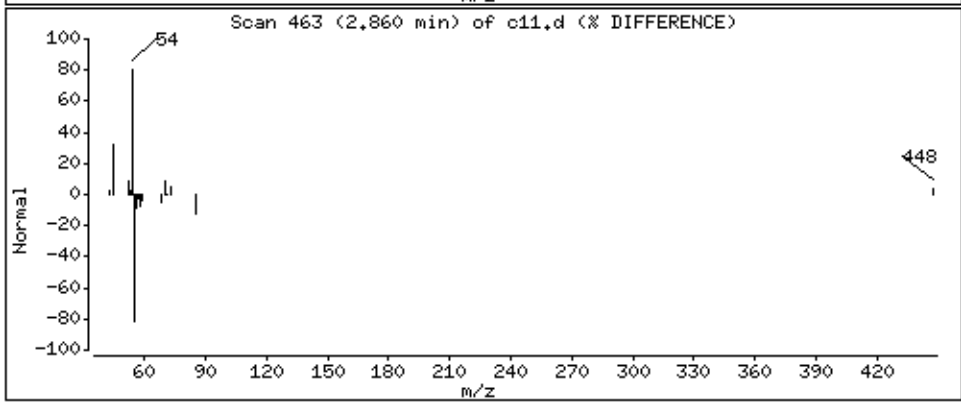
Concentration: 47.3 ppb

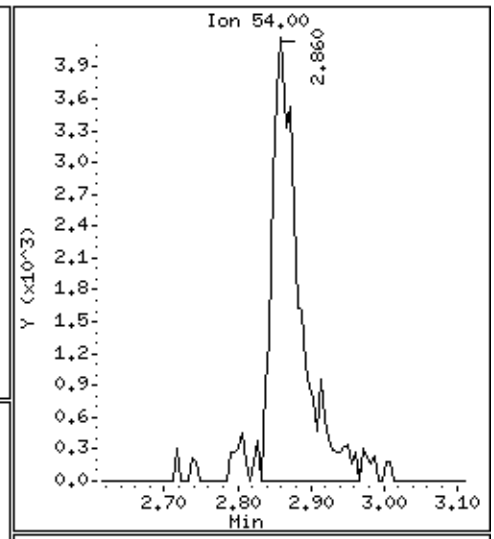
Review Code:

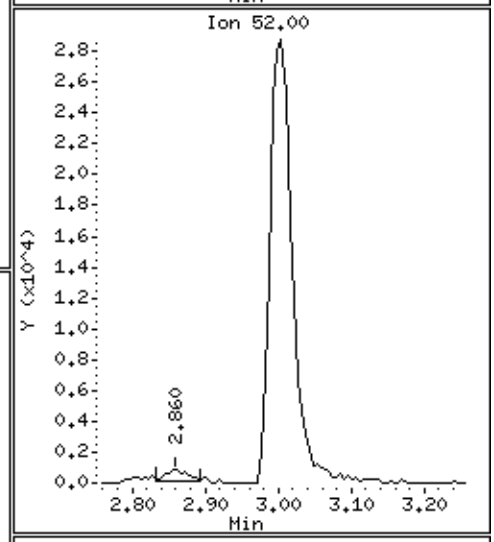


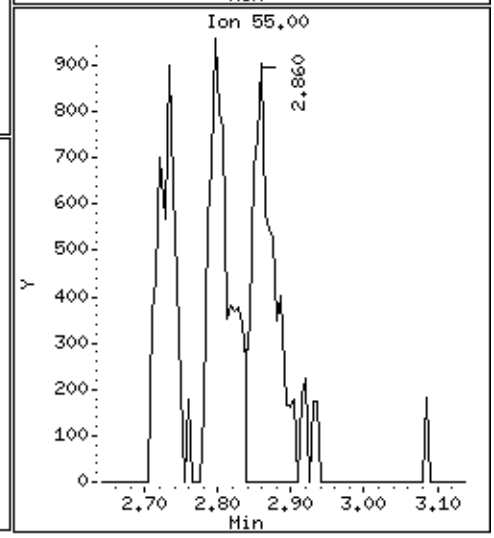












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

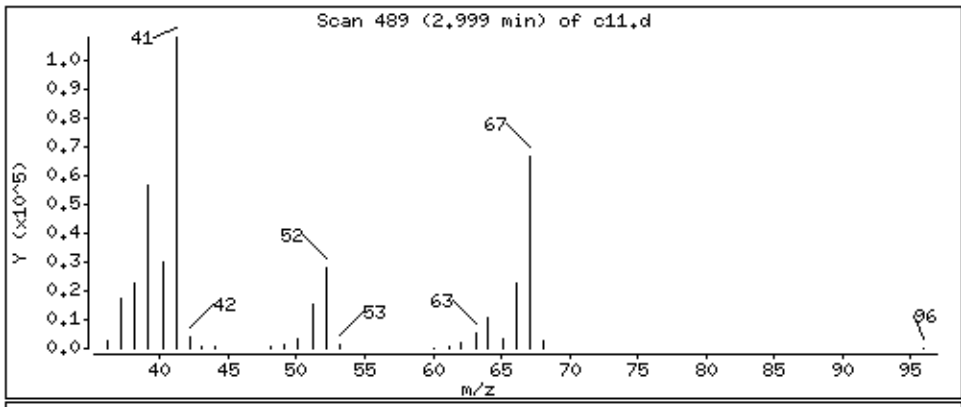
Column phase: DB-624

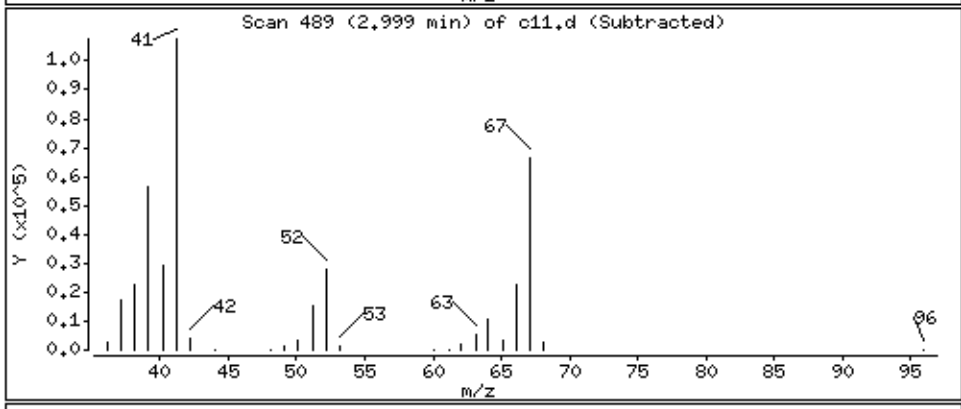
Column diameter: 0.18

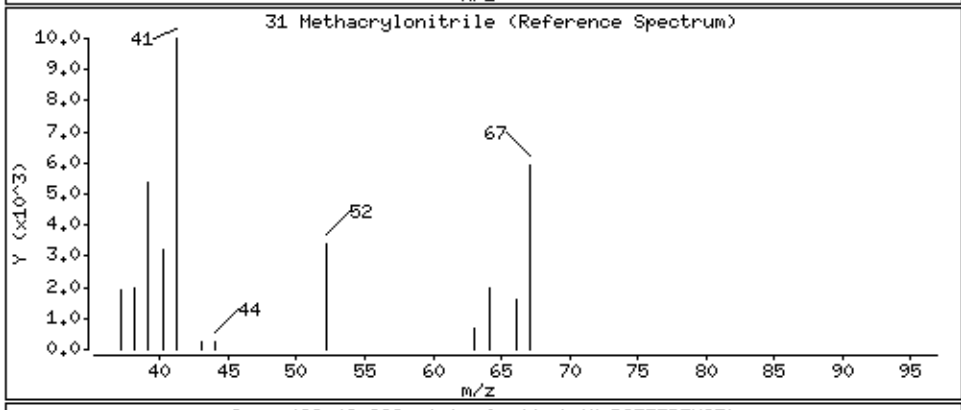
31 Methacrylonitrile

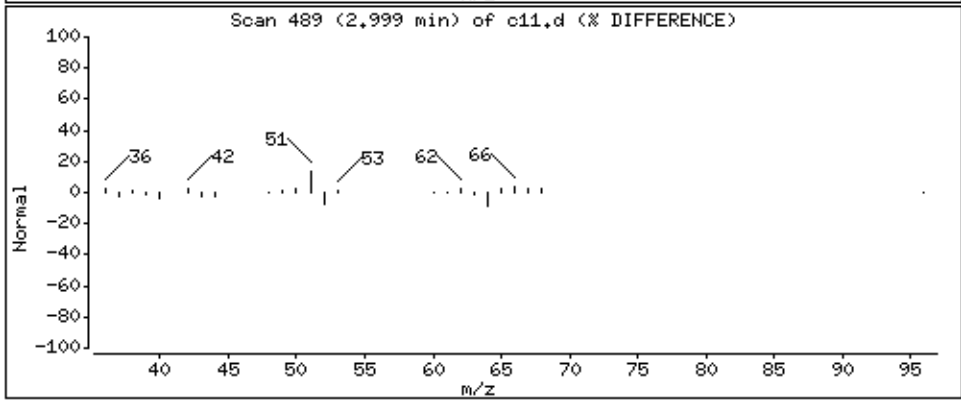
Concentration: 223 ppb

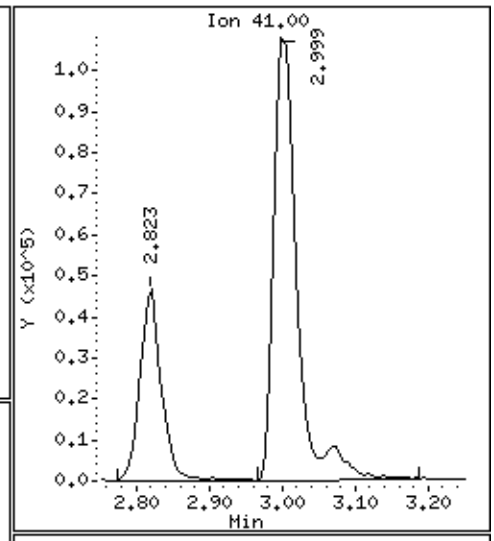
Review Code:

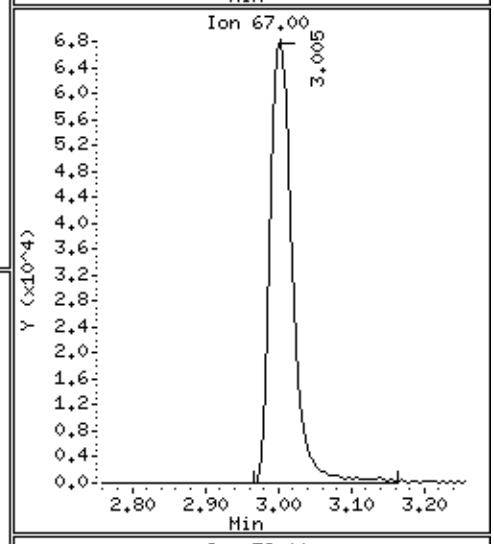


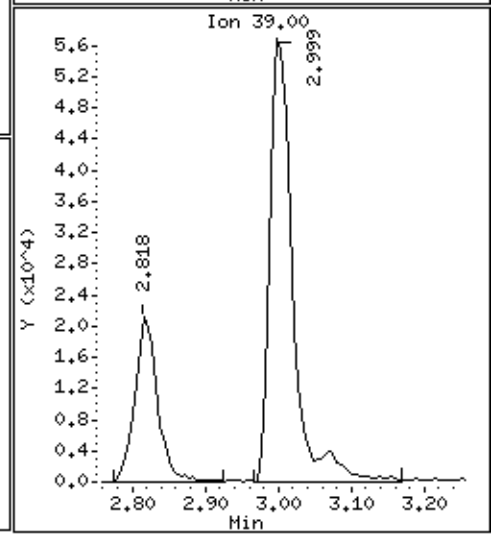












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

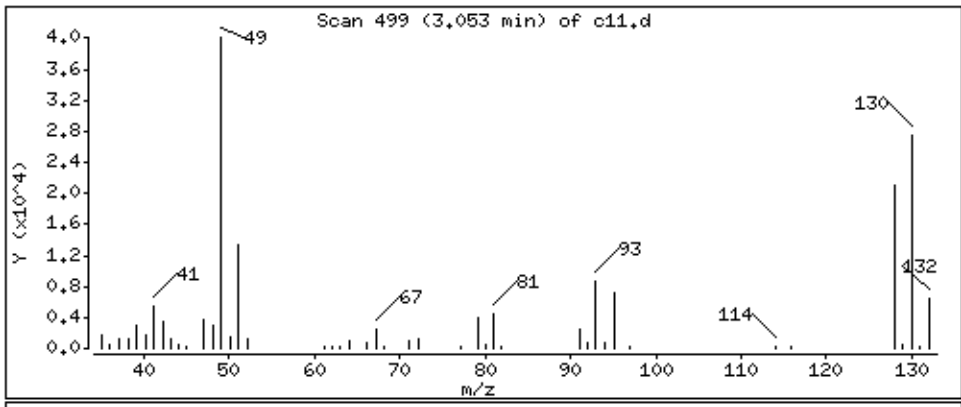
Column phase: DB-624

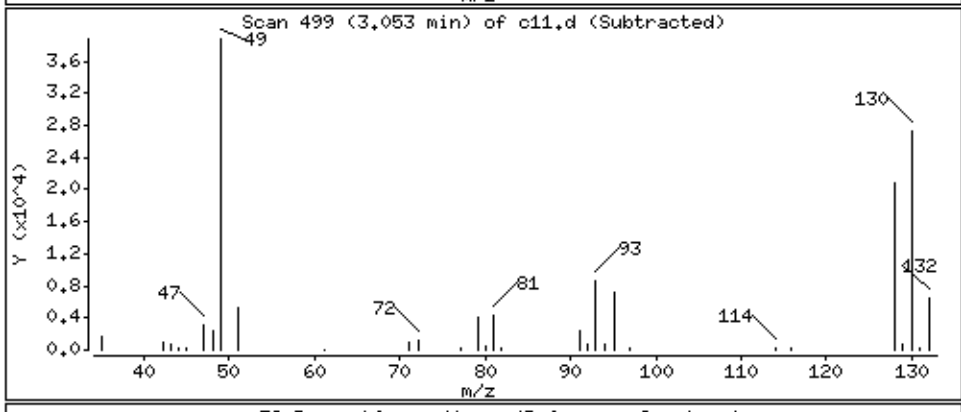
Column diameter: 0.18

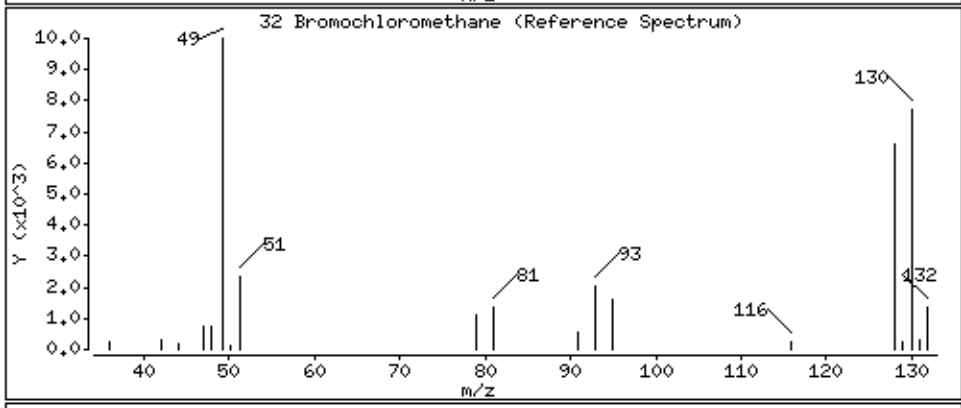
32 Bromochloromethane

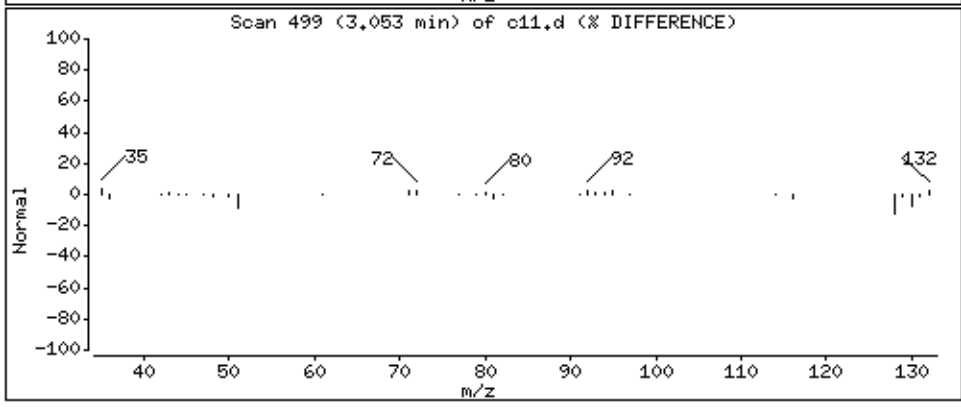
Concentration: 45.3 ppb

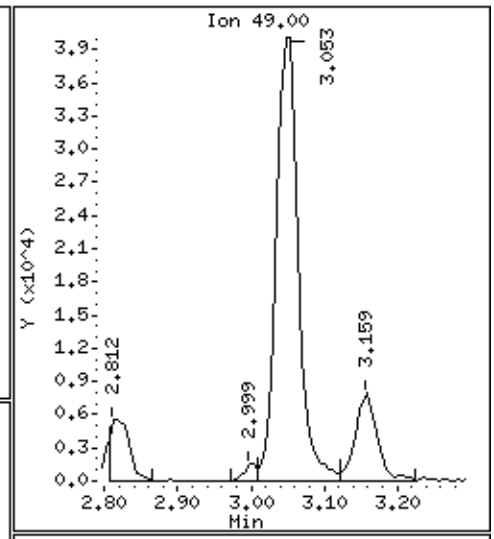
Review Code:

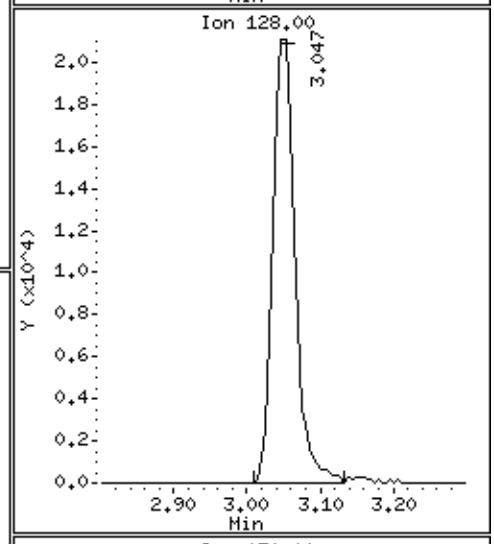


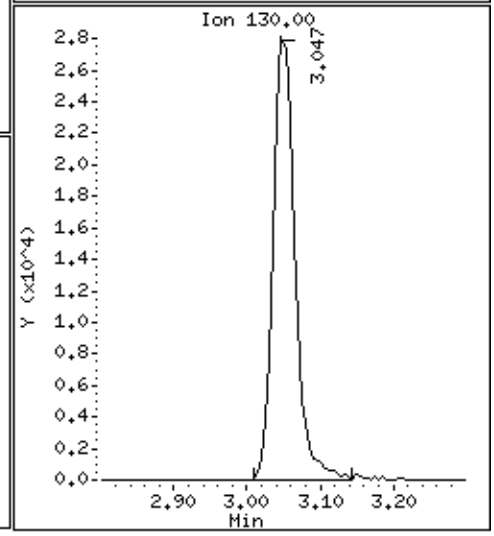












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

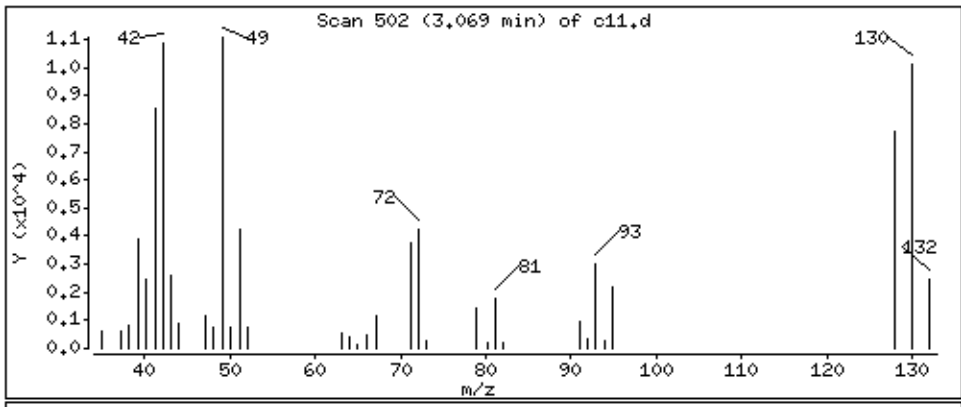
Column phase: DB-624

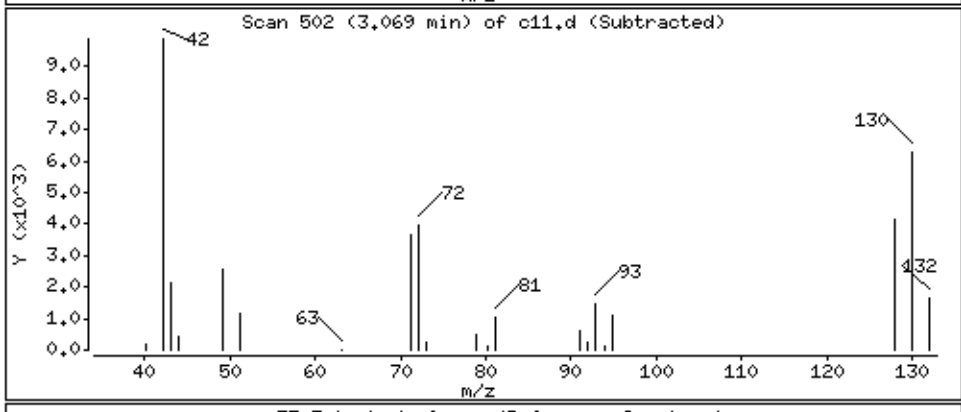
Column diameter: 0.18

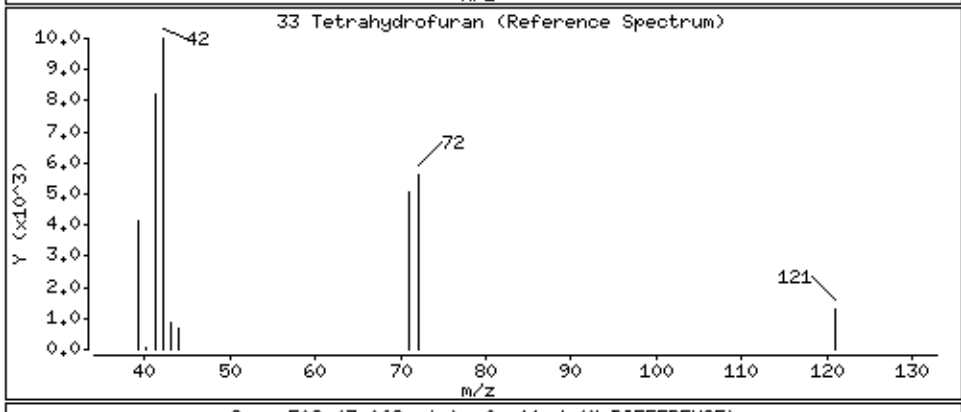
33 Tetrahydrofuran

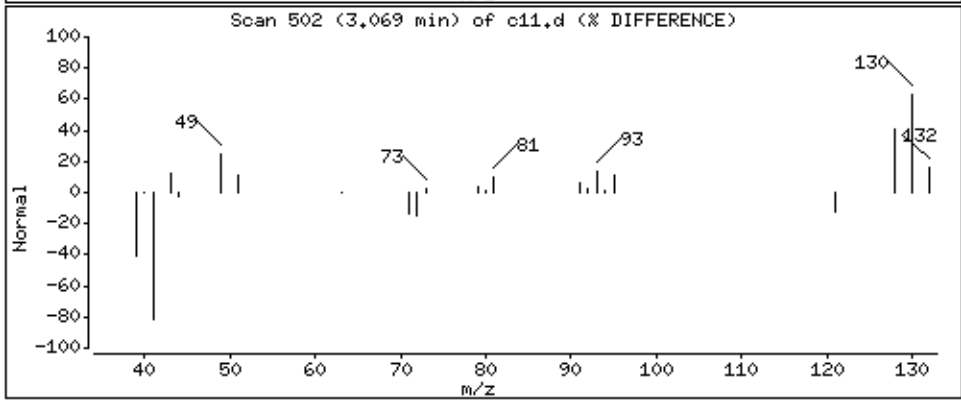
Concentration: 52.8 ppb

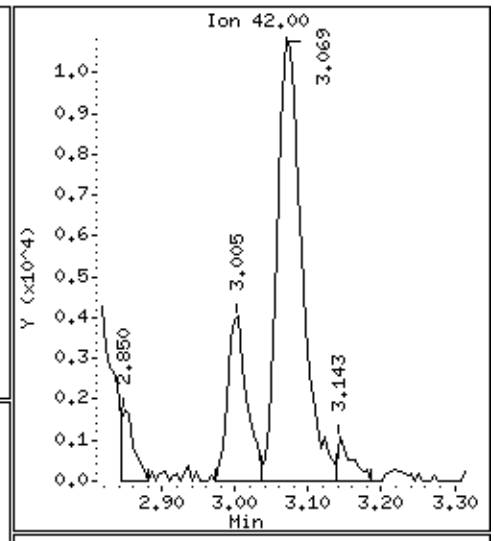
Review Code:

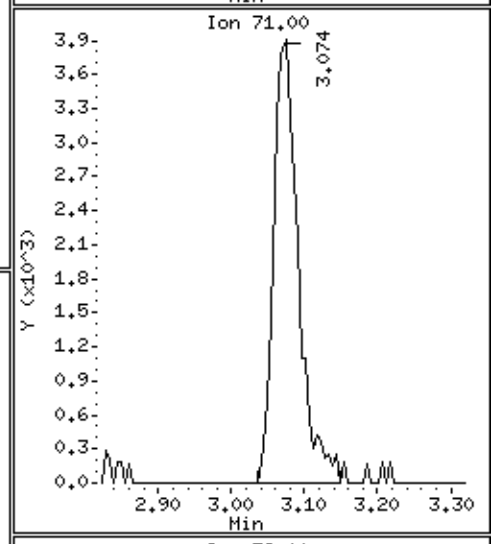


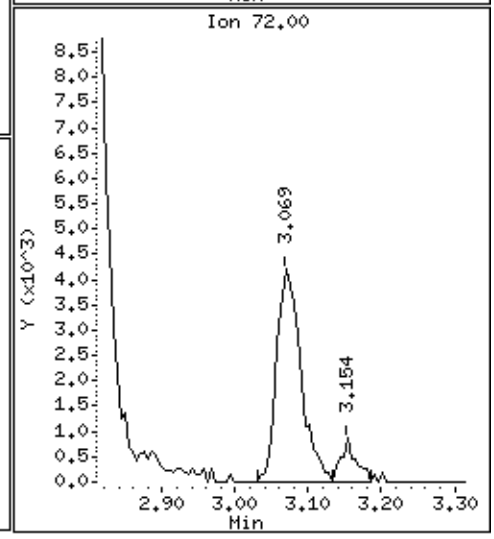












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

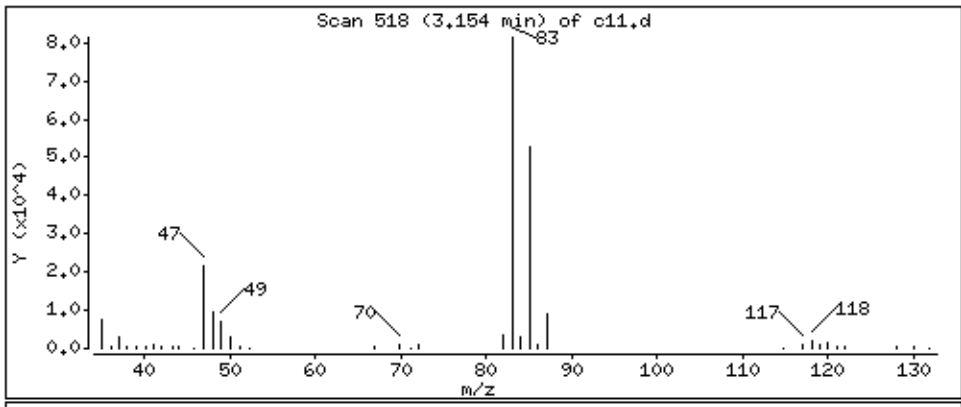
Column phase: DB-624

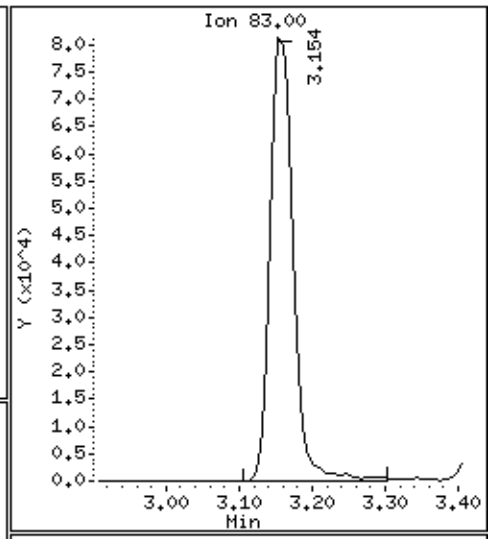
Column diameter: 0.18

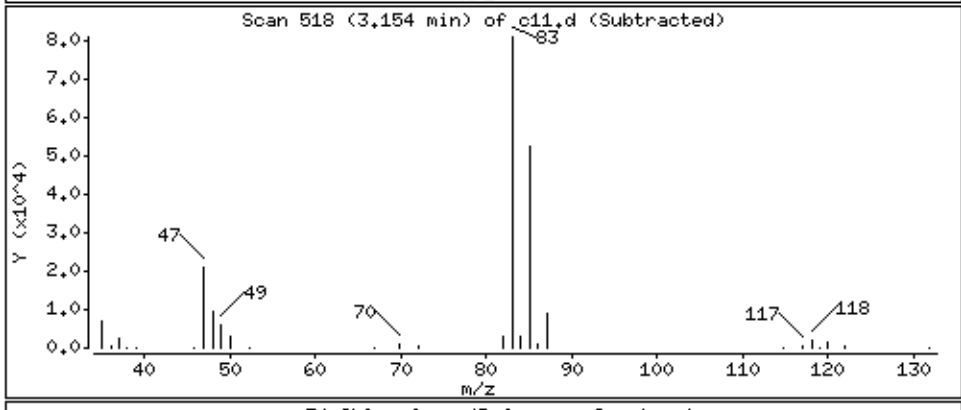
34 Chloroform

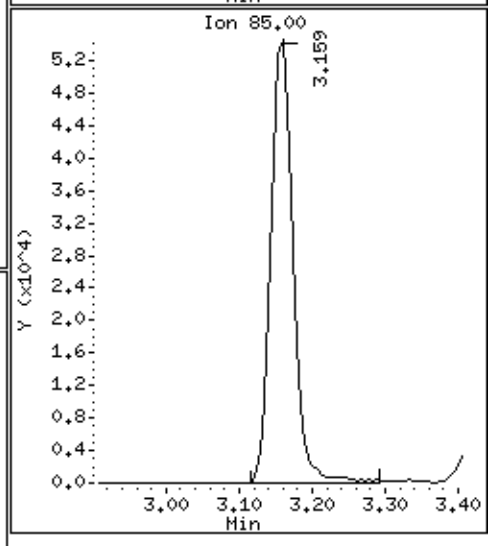
Concentration: 42.6 ppb

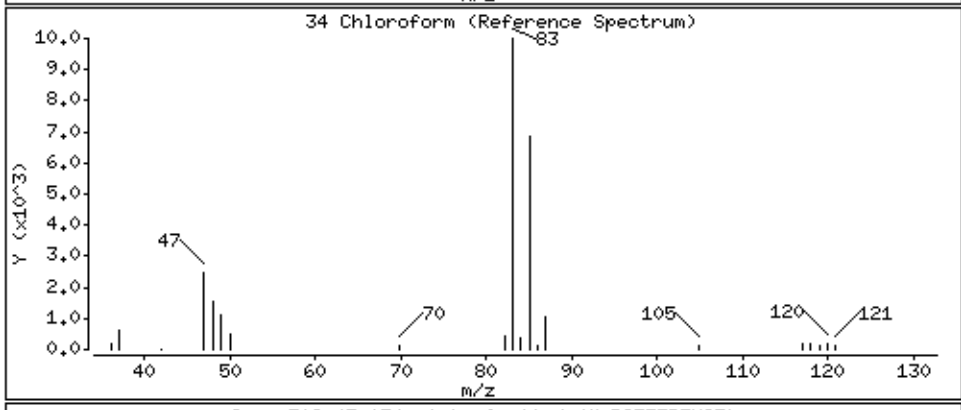
Review Code:

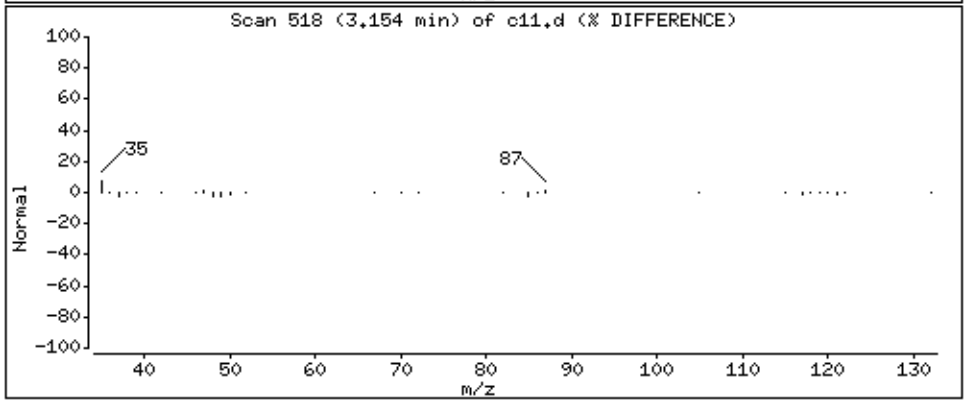












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

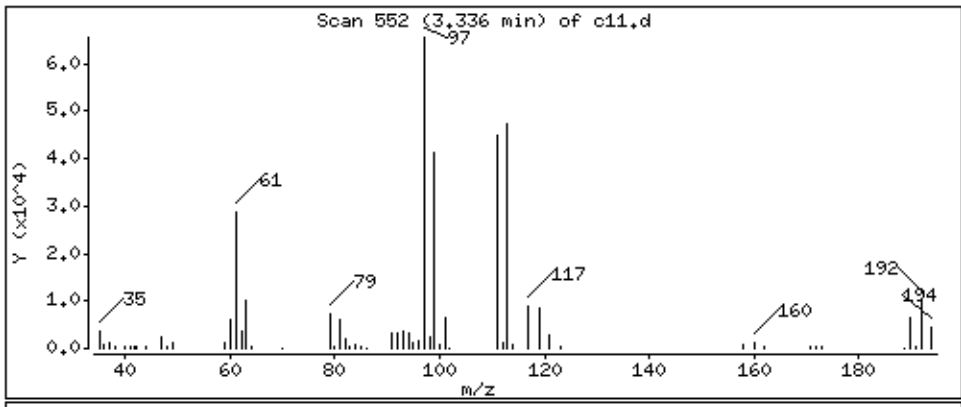
Column phase: DB-624

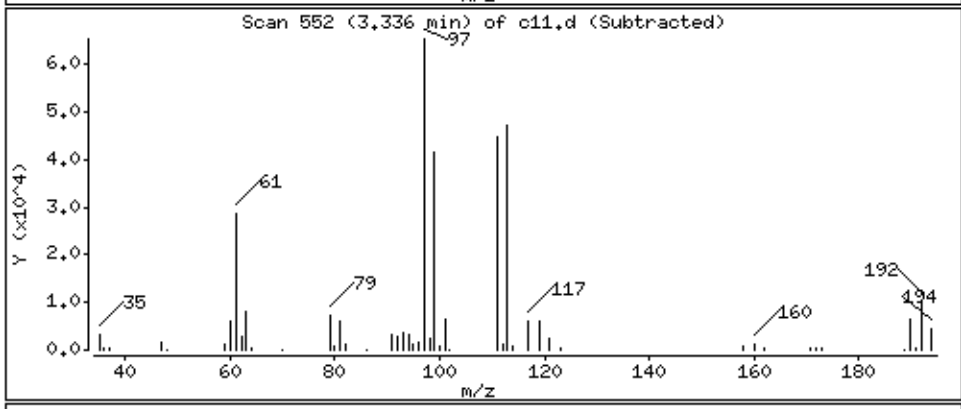
Column diameter: 0.18

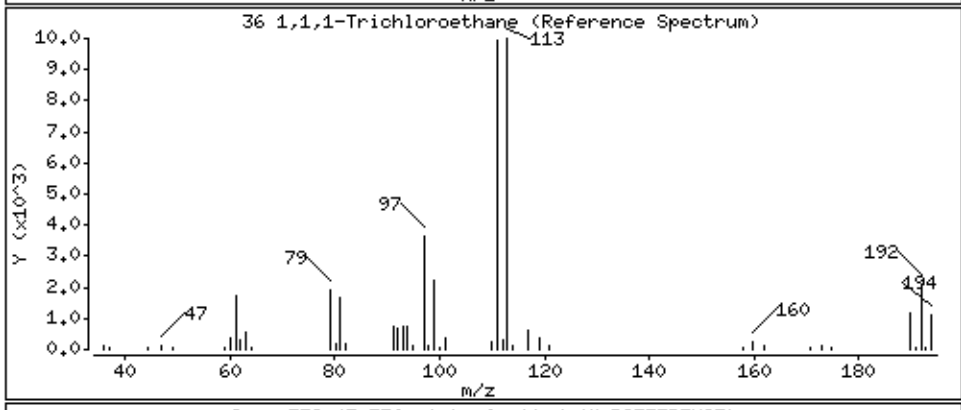
36 1,1,1-Trichloroethane

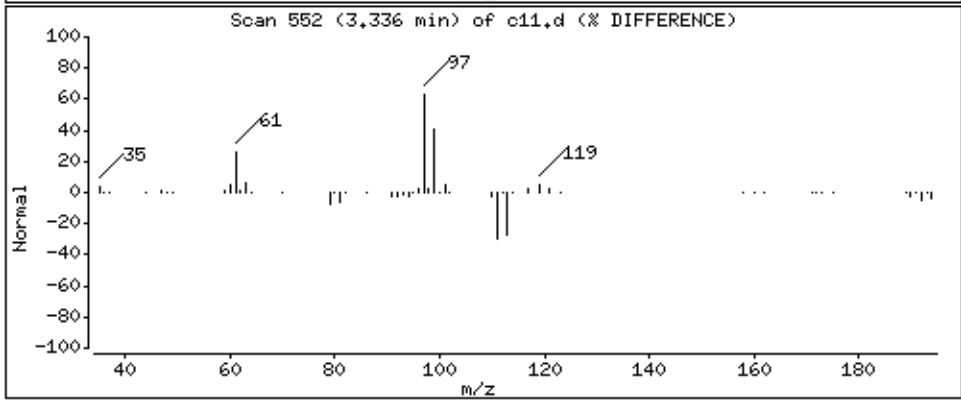
Concentration: 38.7 ppb

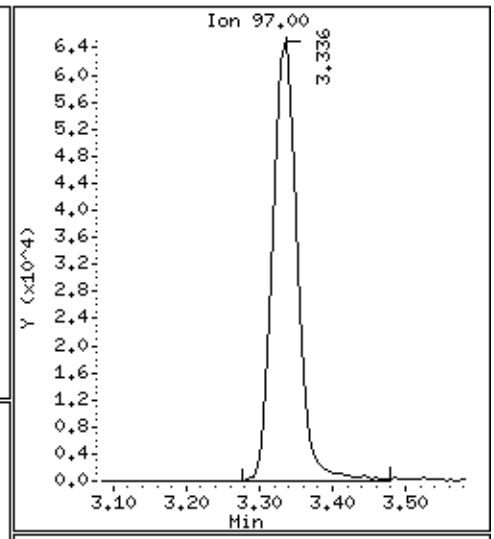
Review Code:

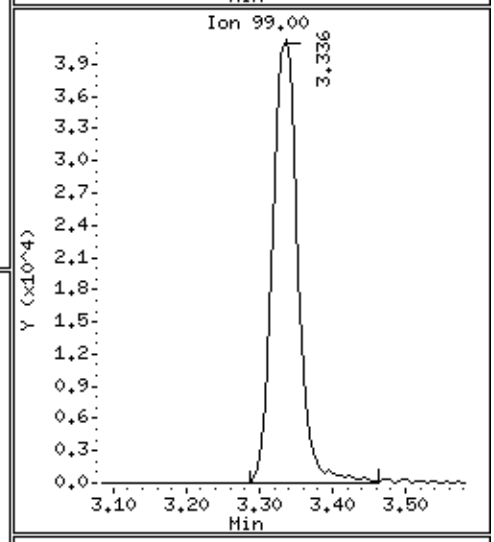


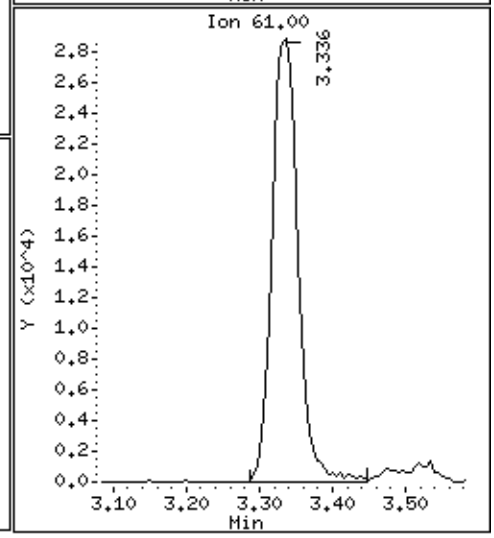












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

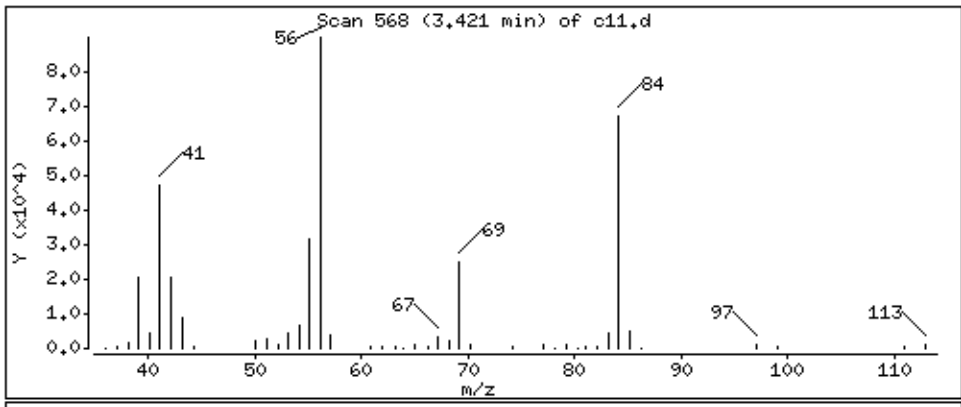
Column phase: DB-624

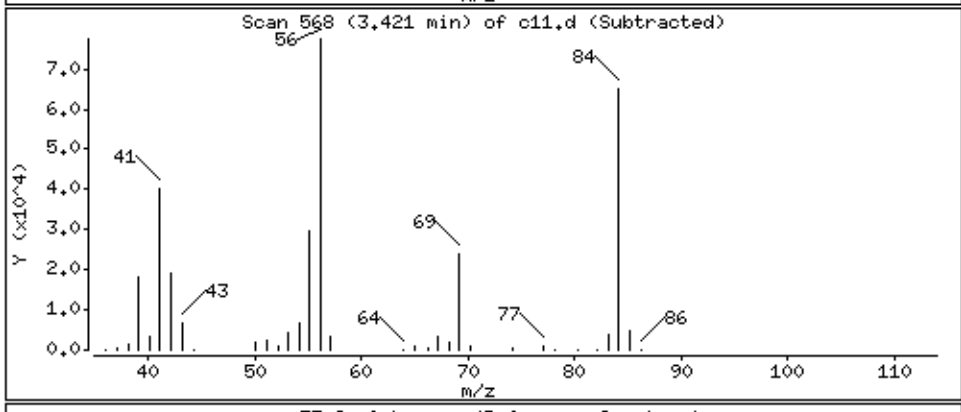
Column diameter: 0.18

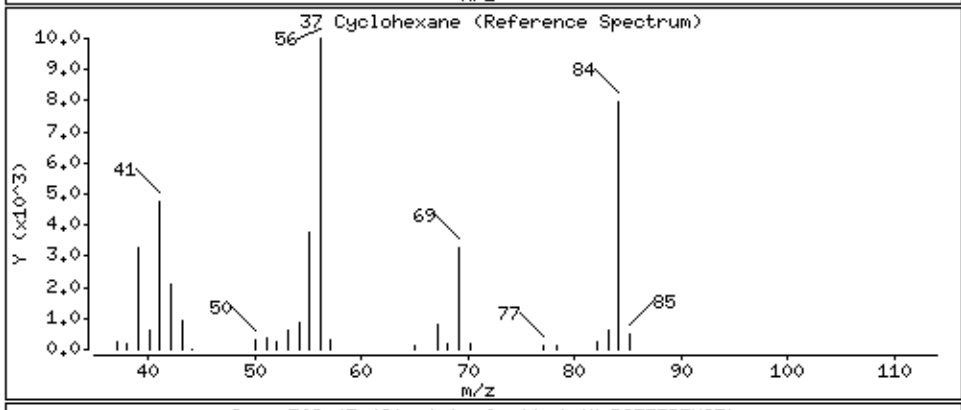
37 Cyclohexane

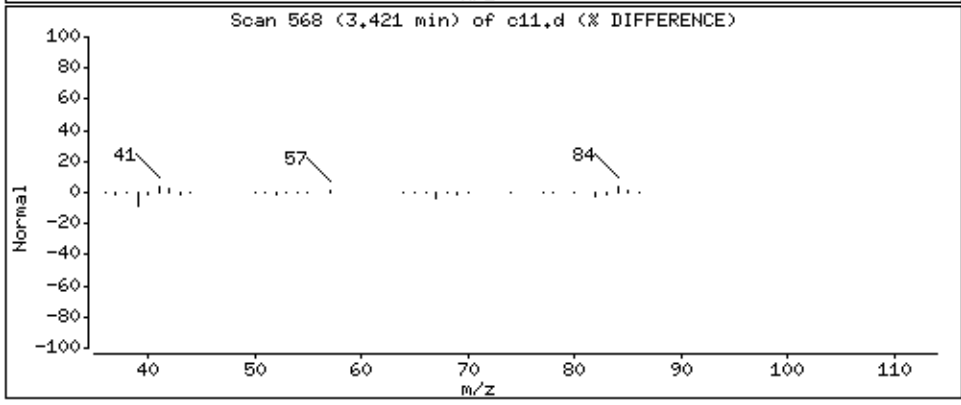
Concentration: 44.1 ppb

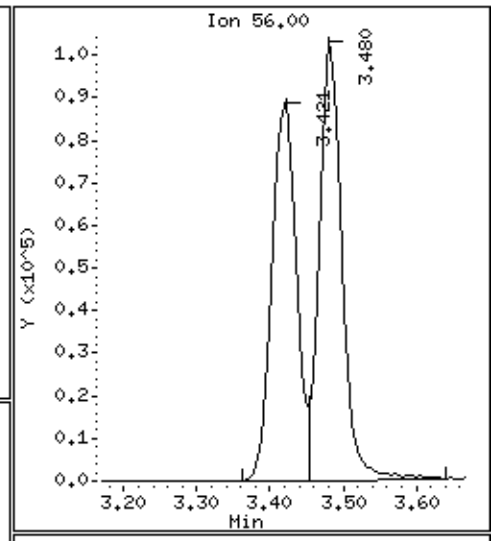
Review Code:

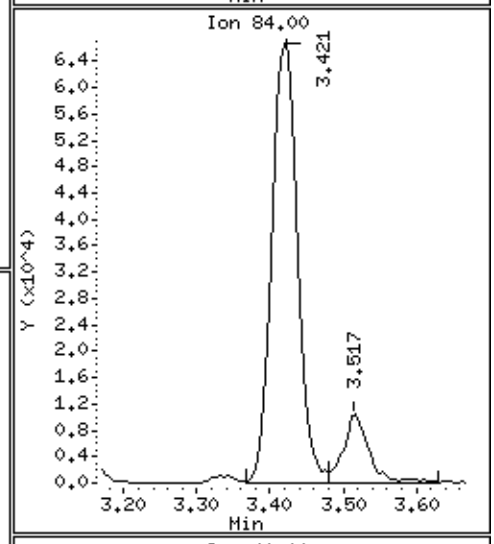


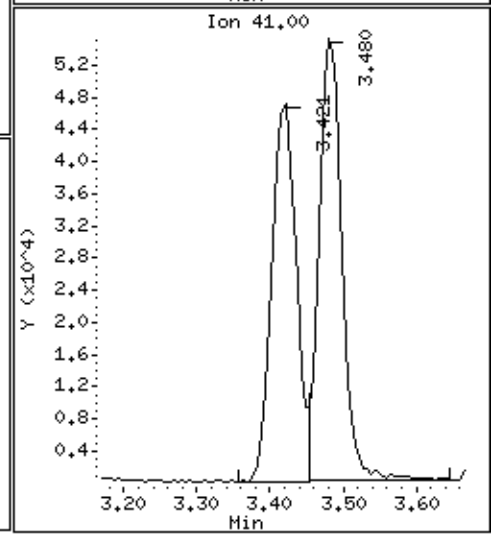












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

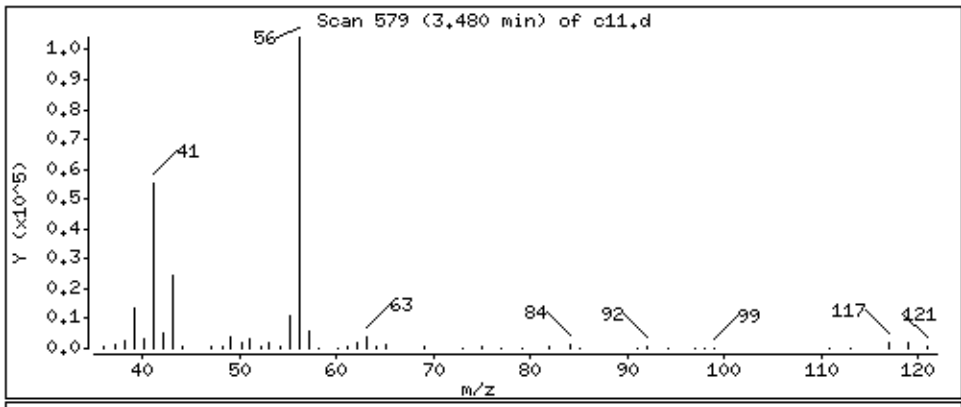
Column phase: DB-624

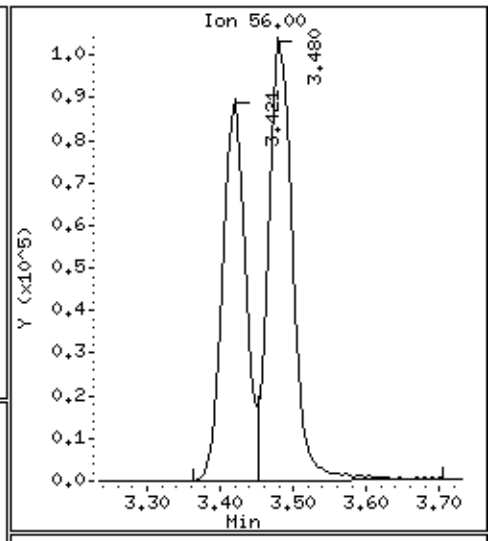
Column diameter: 0.18

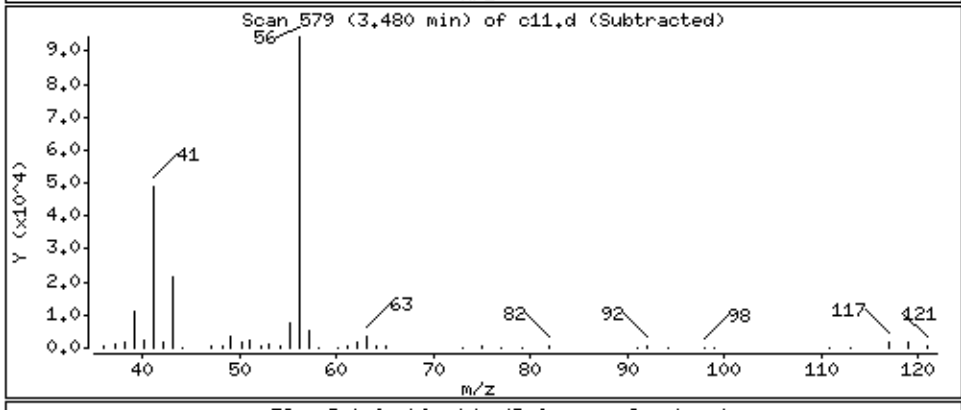
38 n-Butyl chloride

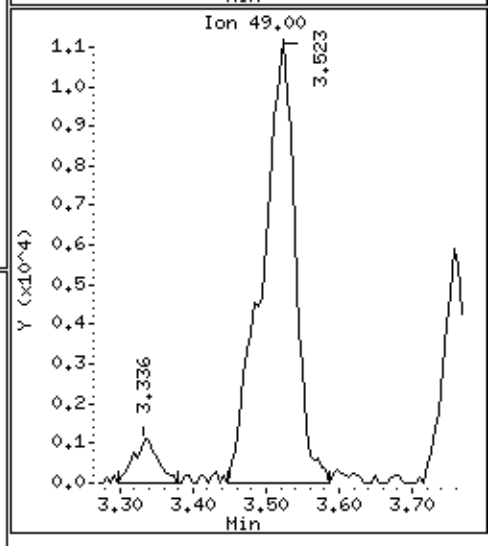
Concentration: 40.2 ppb

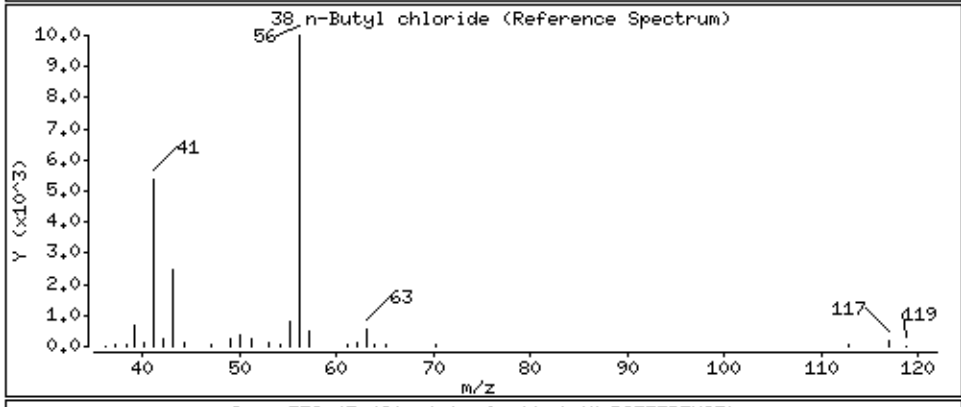
Review Code:

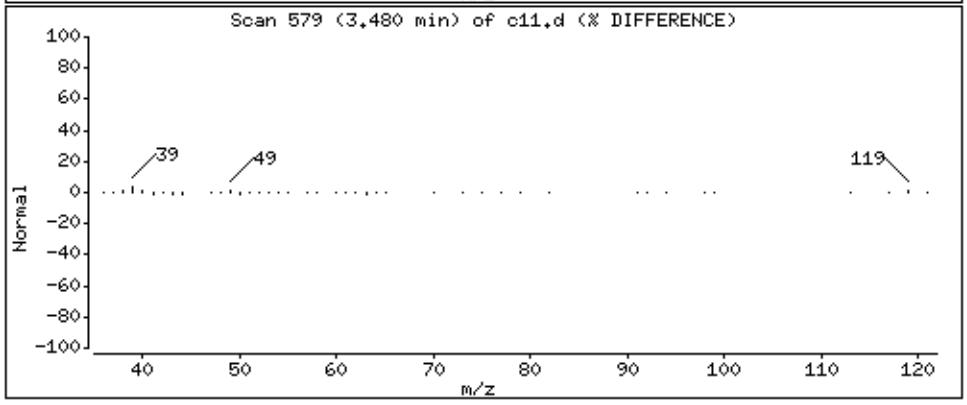












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

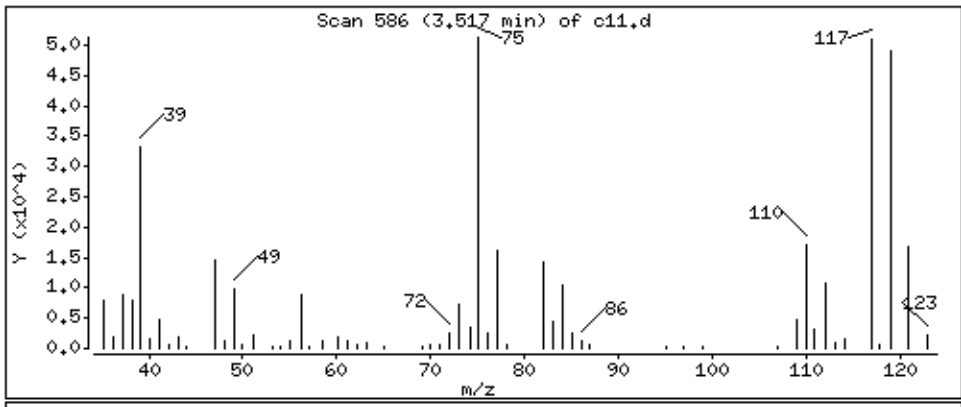
Column phase: DB-624

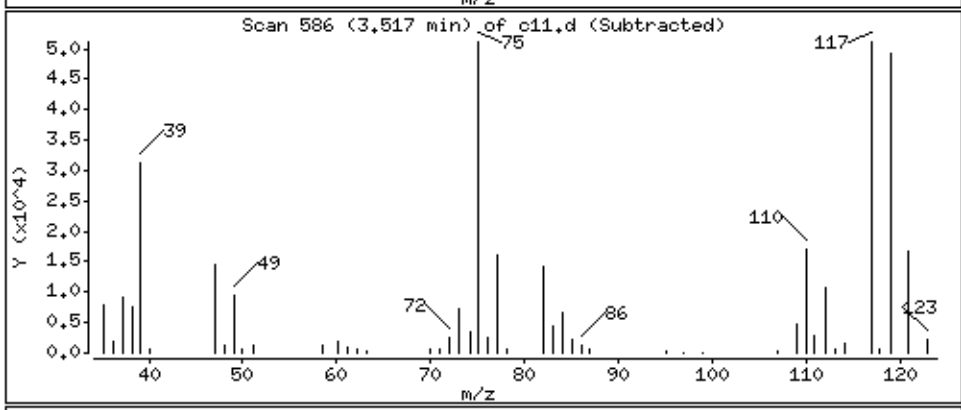
Column diameter: 0.18

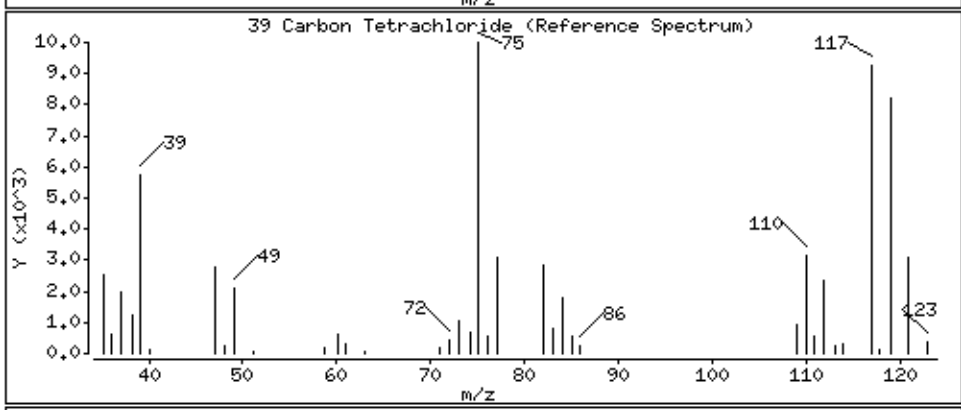
39 Carbon Tetrachloride

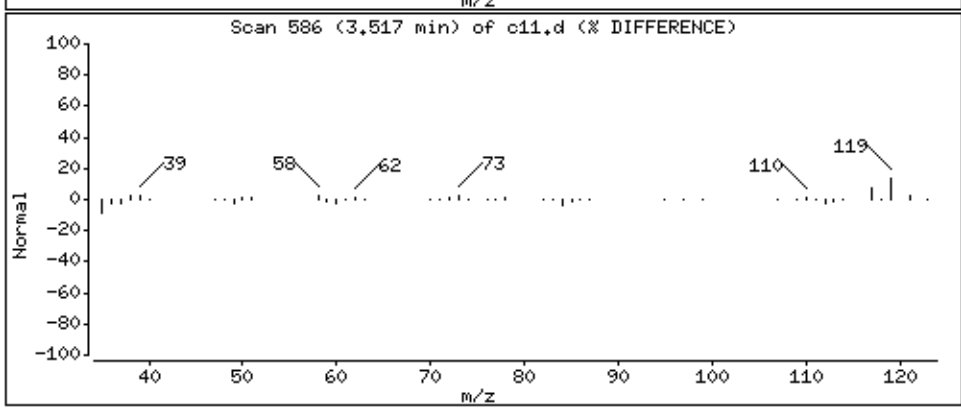
Concentration: 39.2 ppb

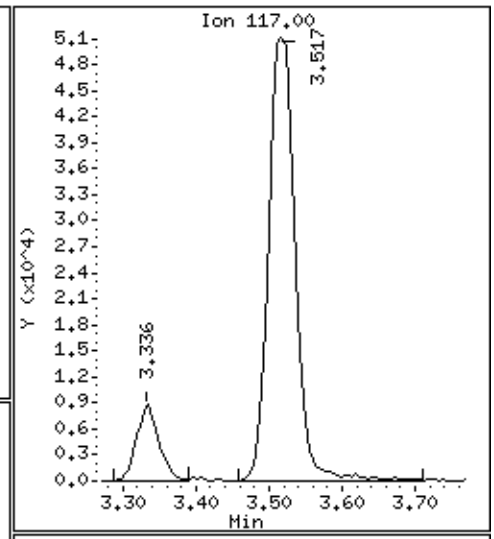
Review Code:

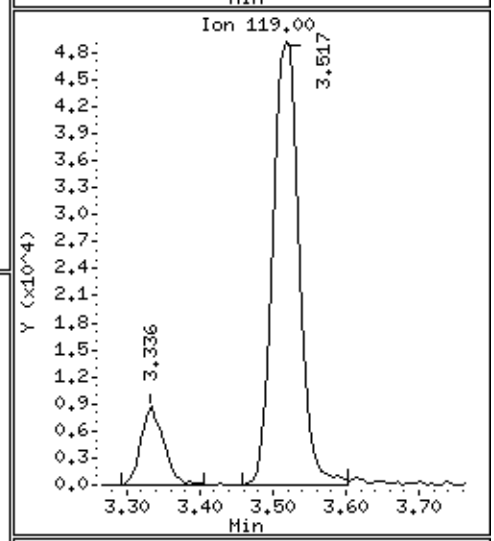


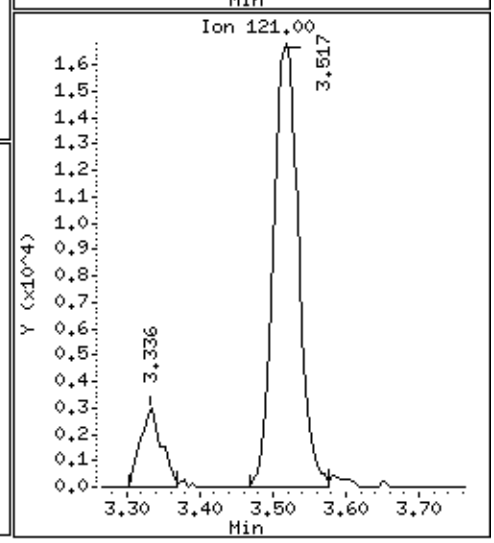












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

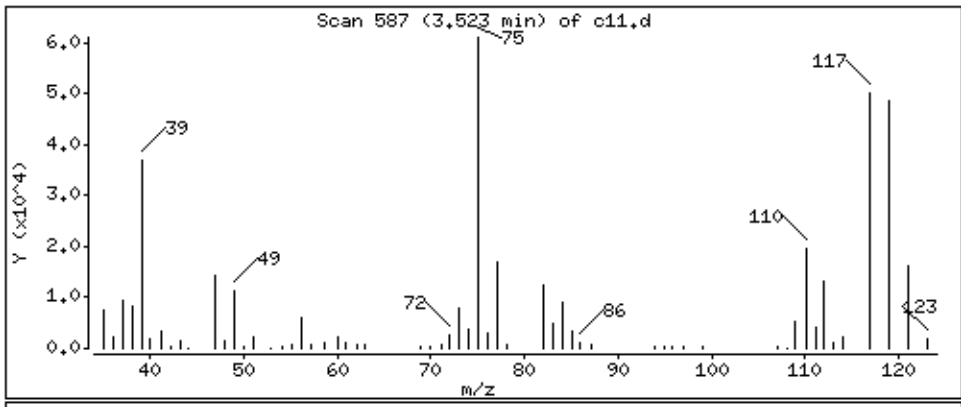
Column phase: DB-624

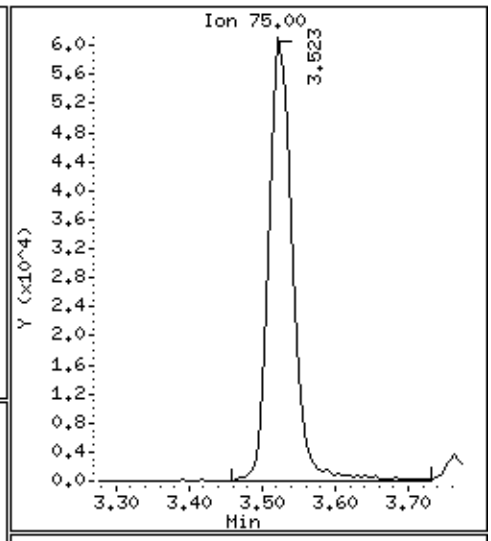
Column diameter: 0.18

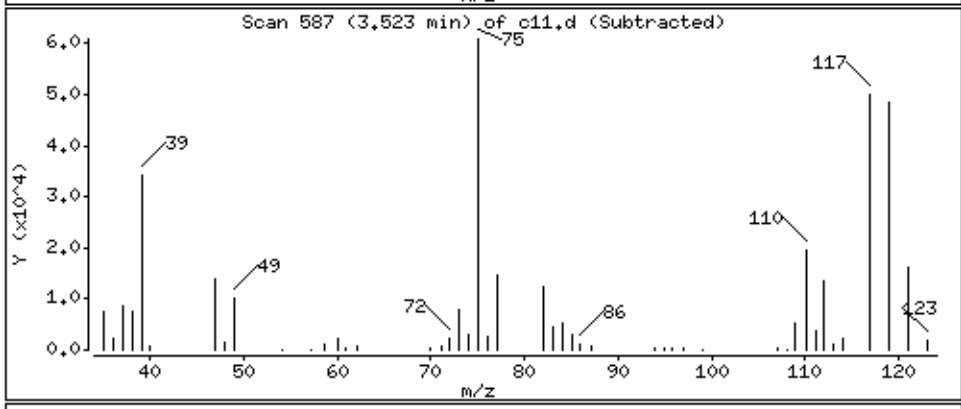
40 1,1-Dichloropropene

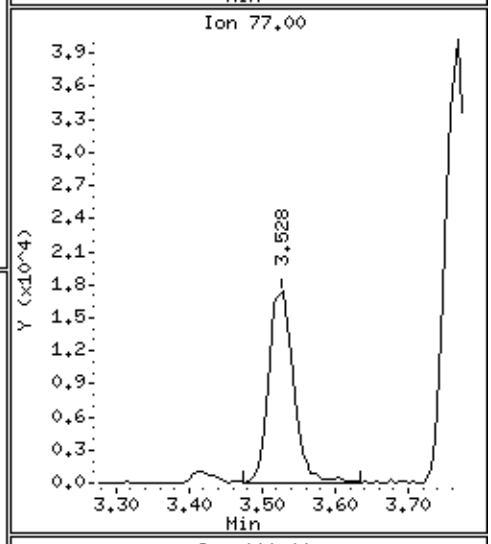
Concentration: 39.0 ppb

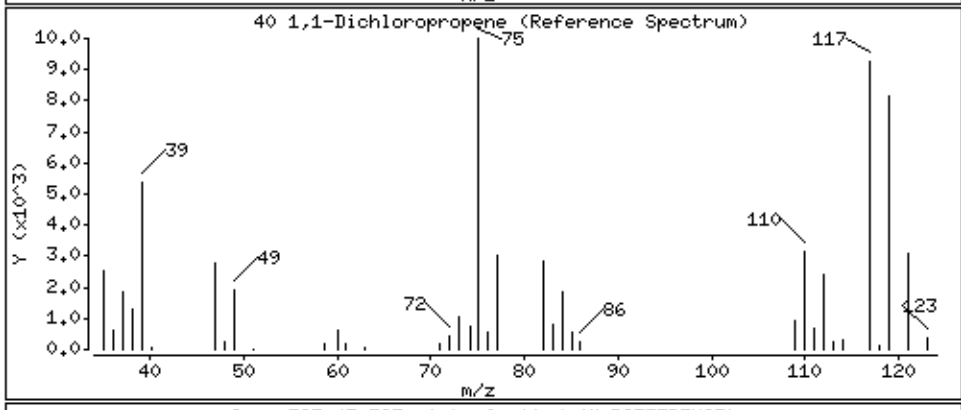
Review Code:

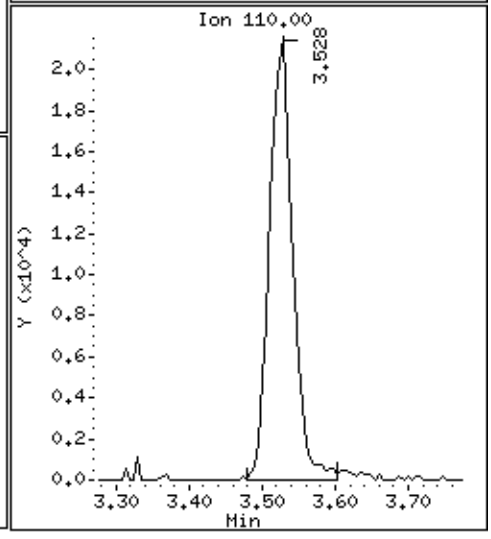


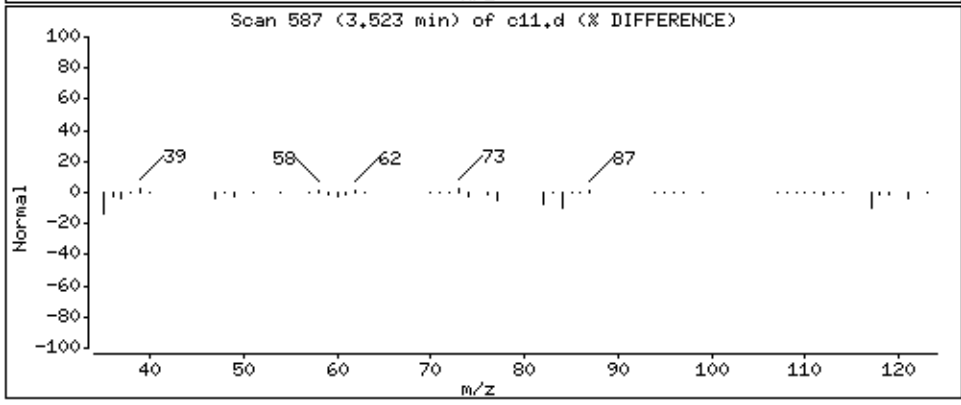












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

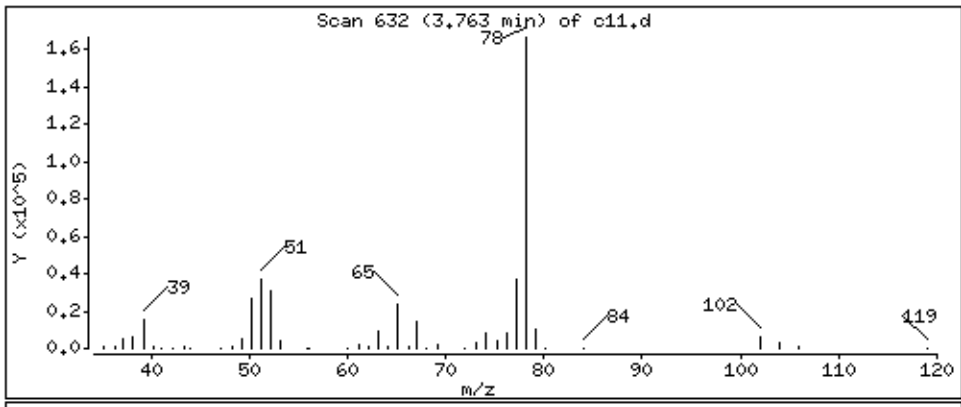
Column phase: DB-624

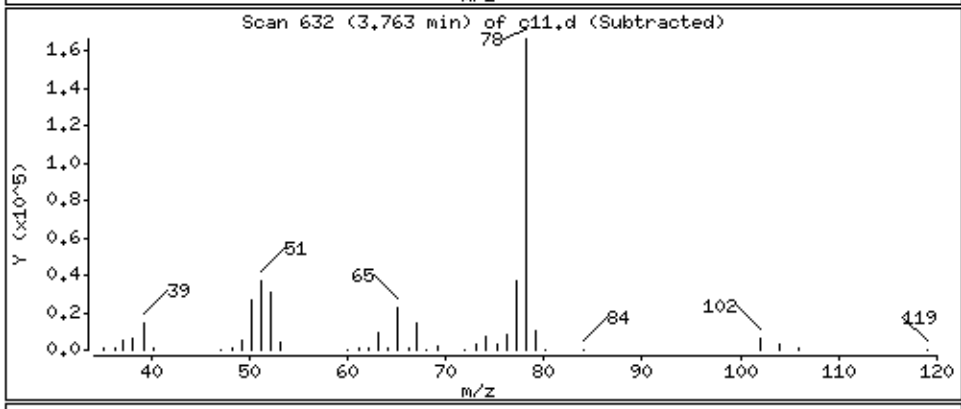
Column diameter: 0.18

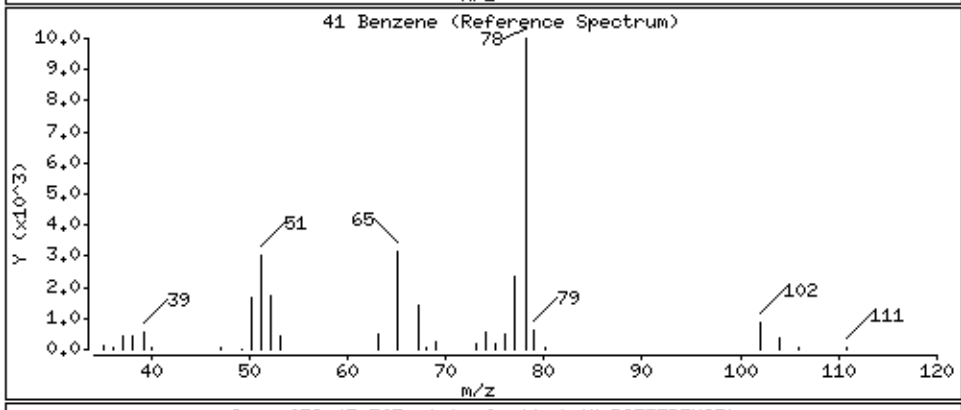
41 Benzene

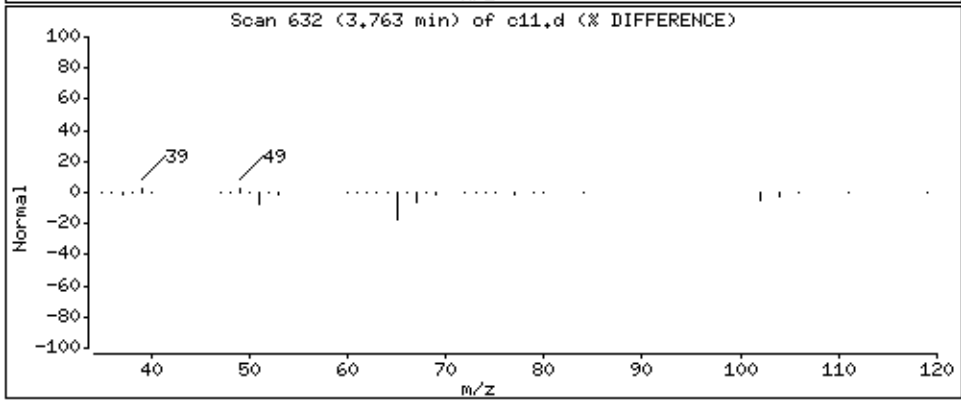
Concentration: 41.4 ppb

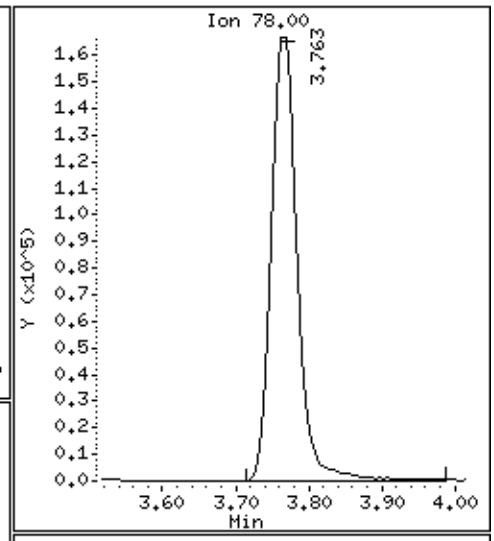
Review Code:

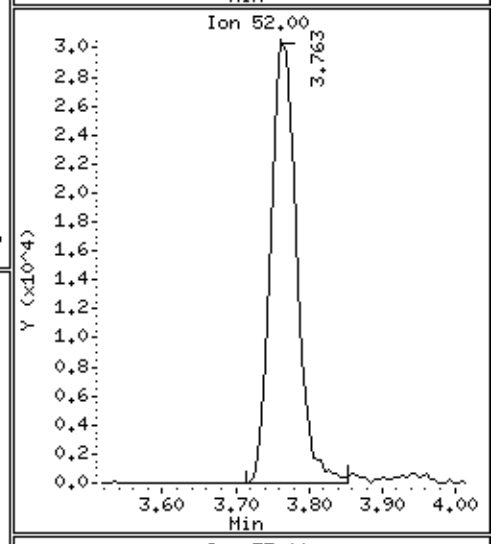


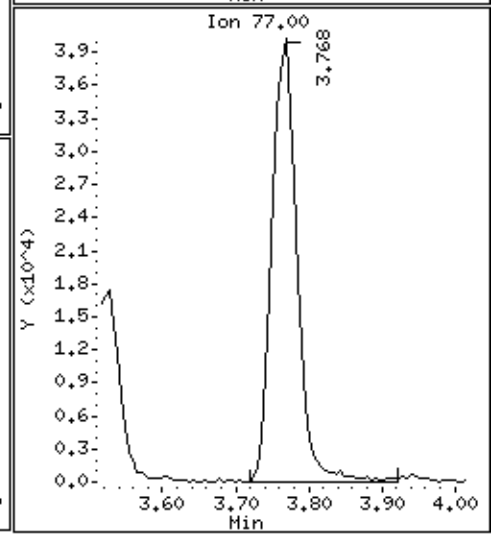












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

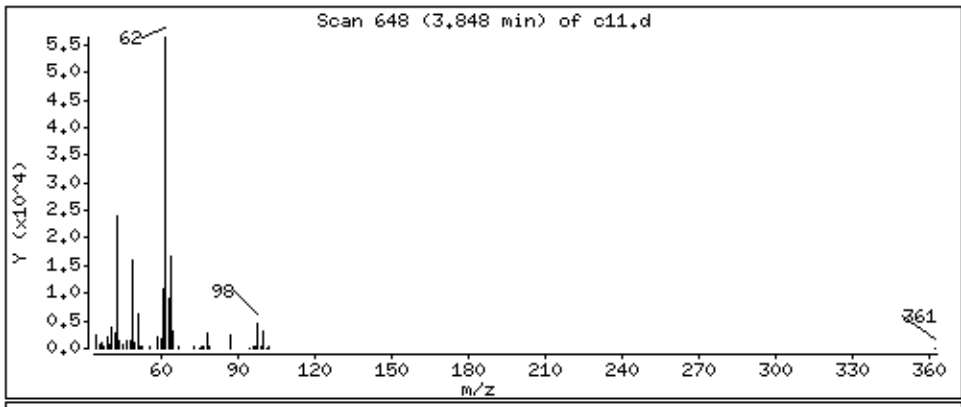
Column phase: DB-624

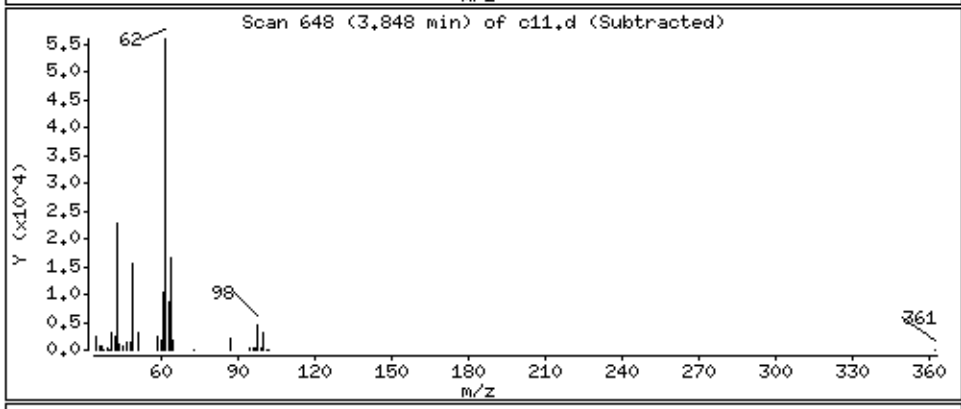
Column diameter: 0.18

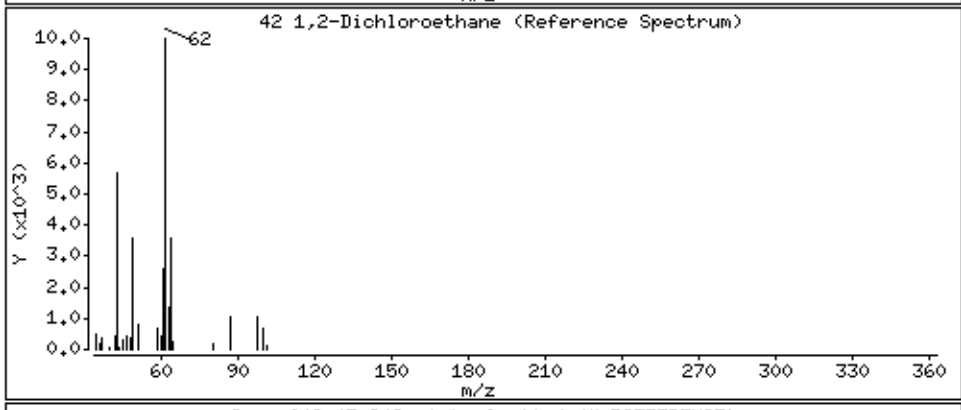
42 1,2-Dichloroethane

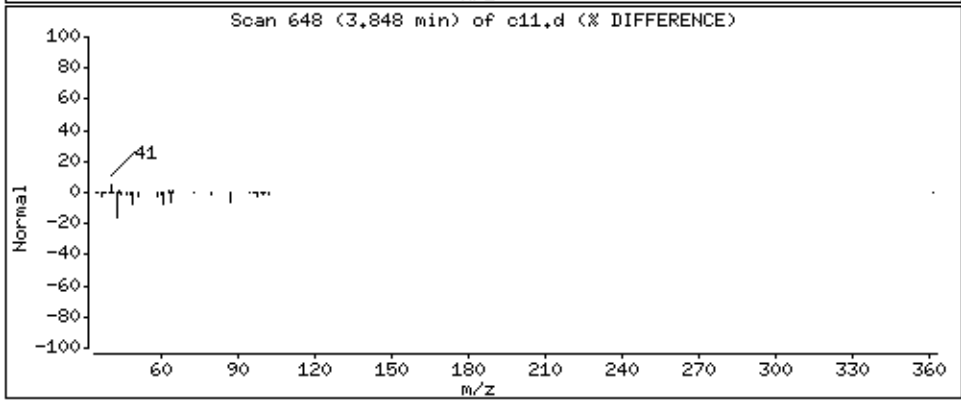
Concentration: 43.1 ppb

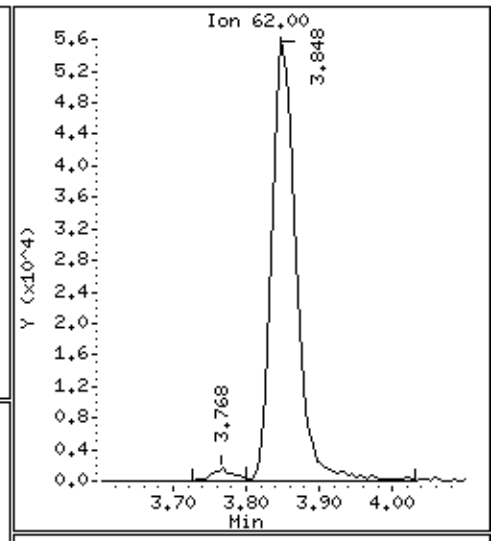
Review Code:

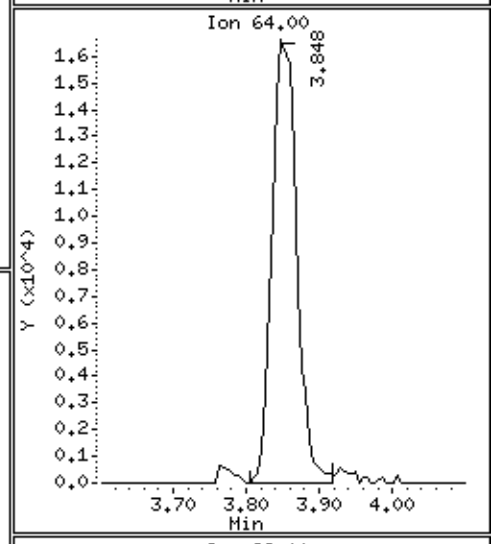


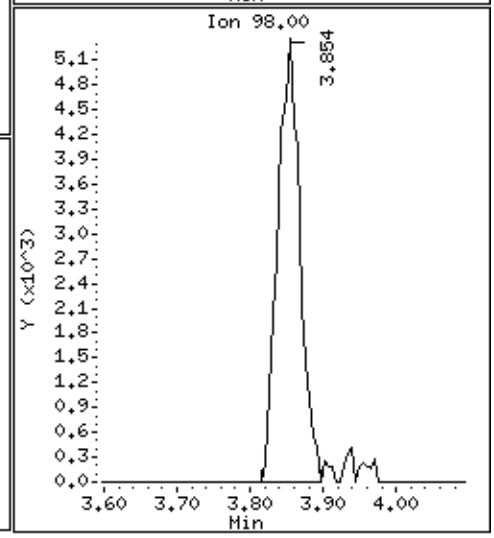












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

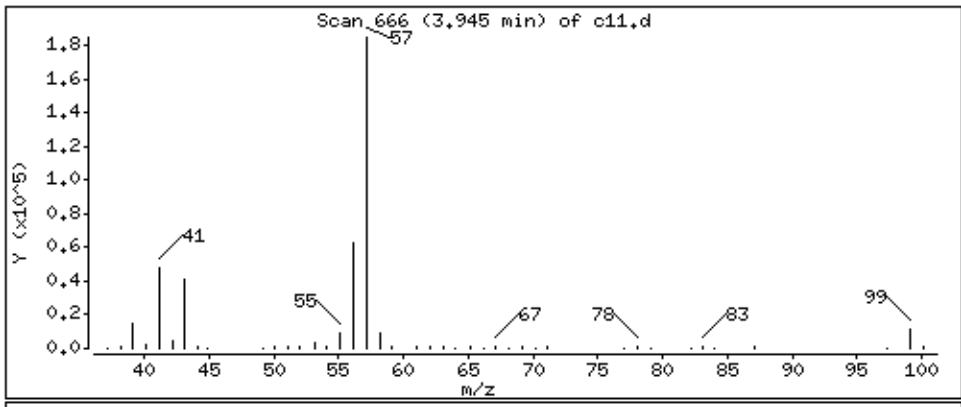
Column phase: DB-624

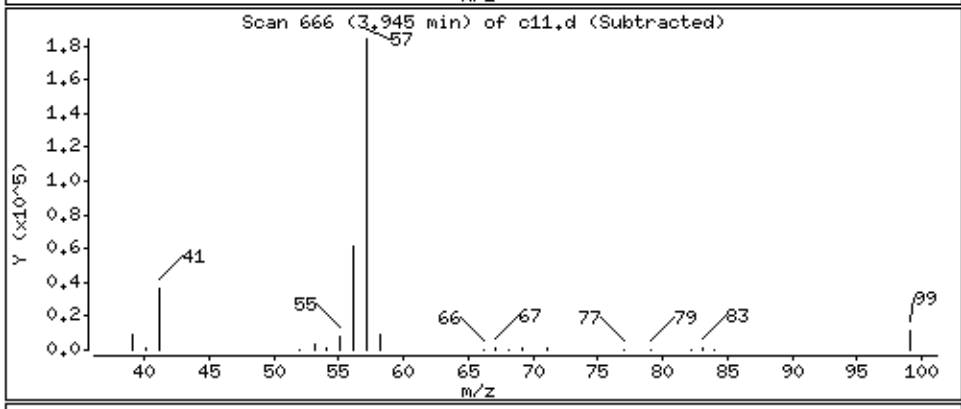
Column diameter: 0.18

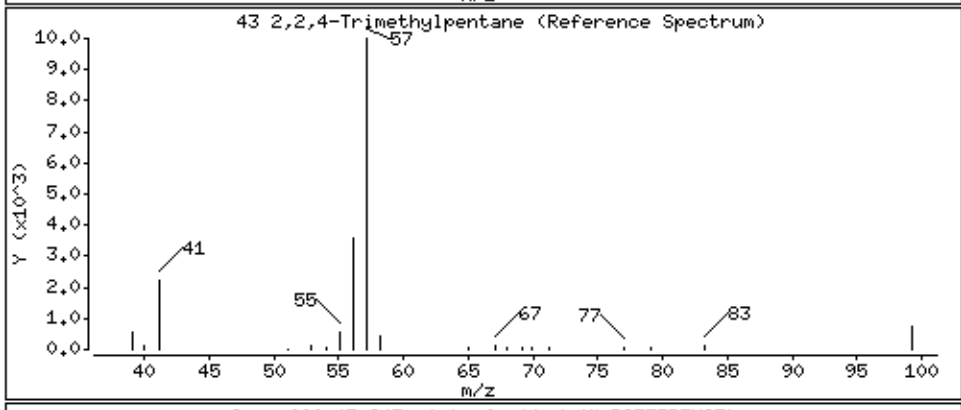
43 2,2,4-Trimethylpentane

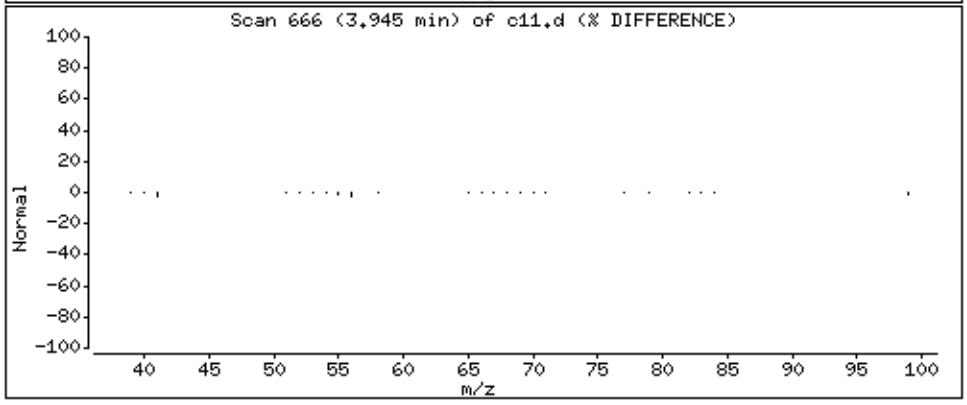
Concentration: 44.2 ppb

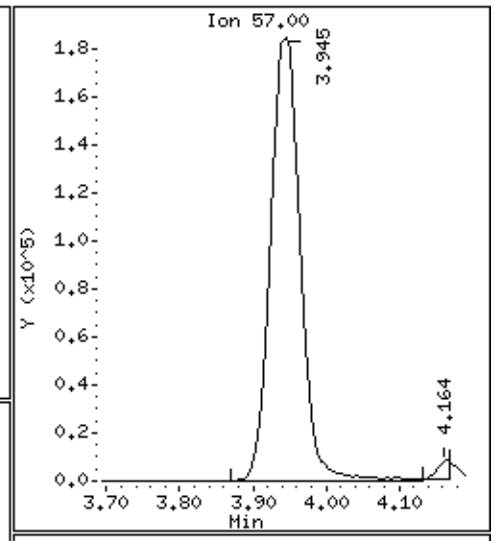
Review Code:

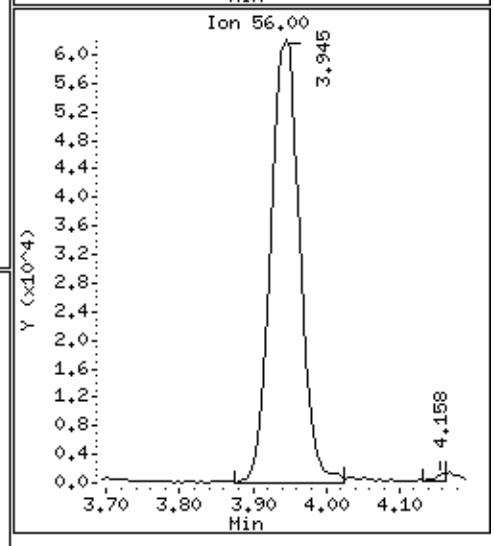












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

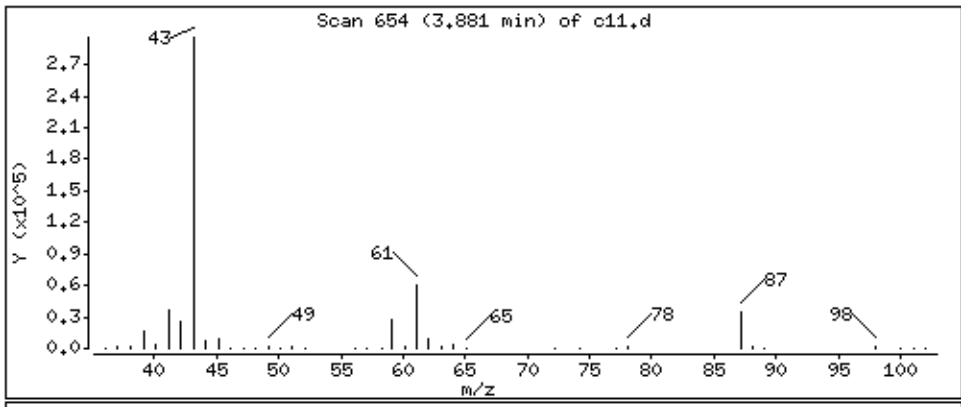
Column phase: DB-624

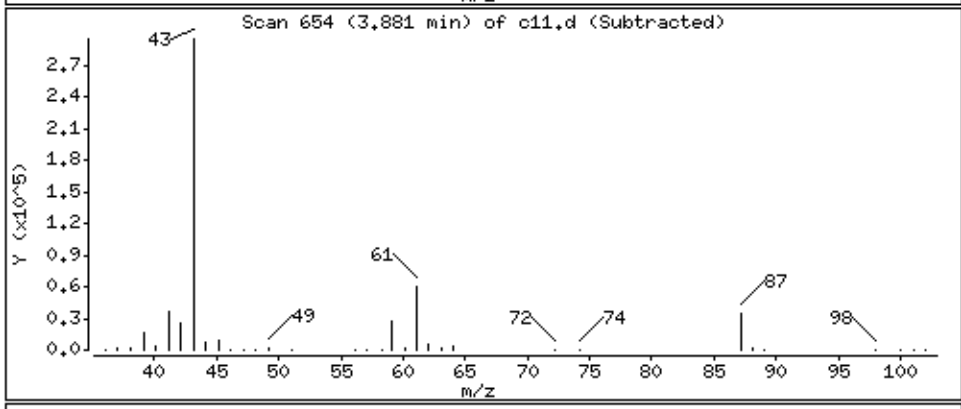
Column diameter: 0.18

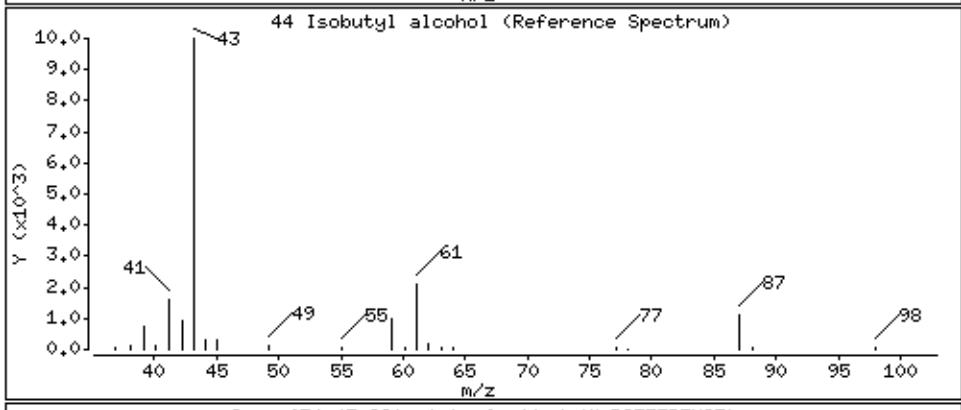
44 Isobutyl alcohol

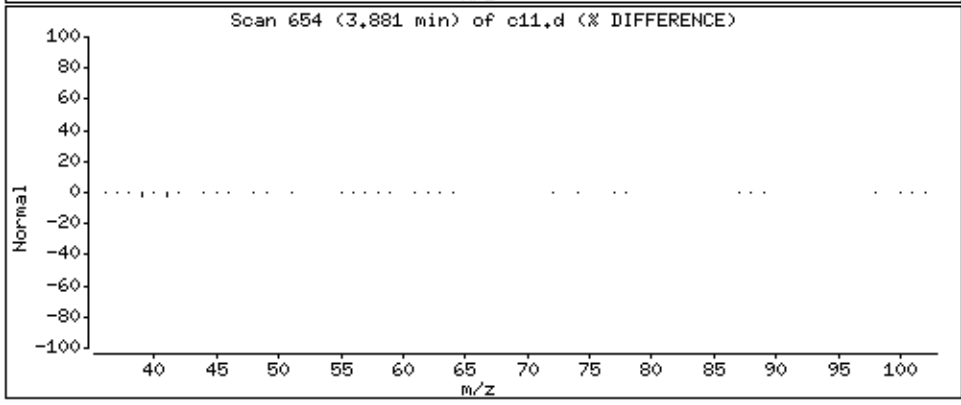
Concentration: 50.7 ppb

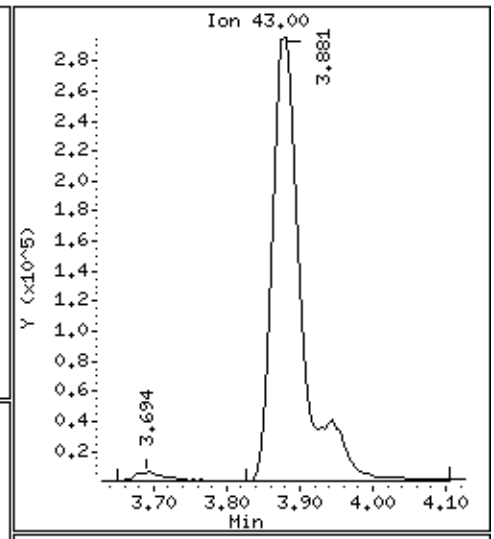
Review Code:

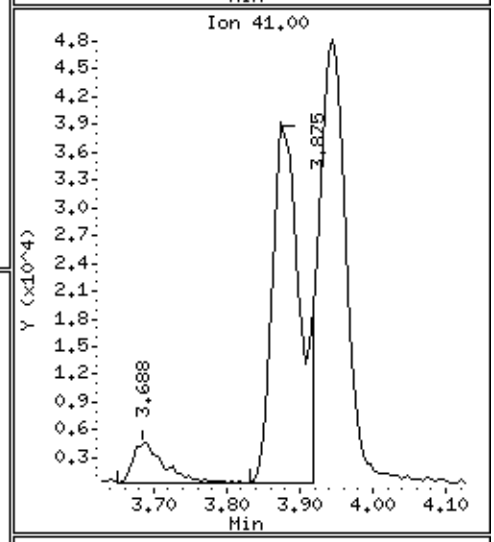


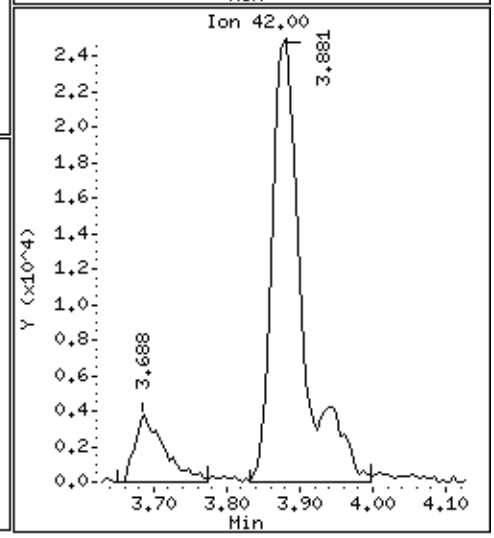












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

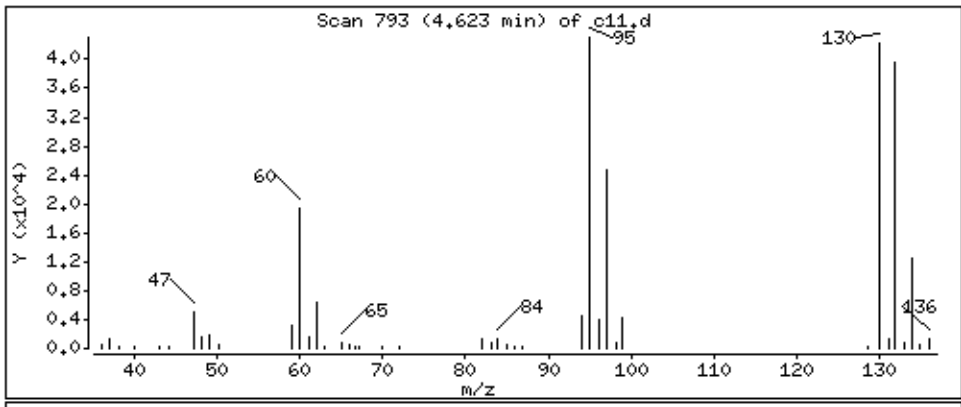
Column phase: DB-624

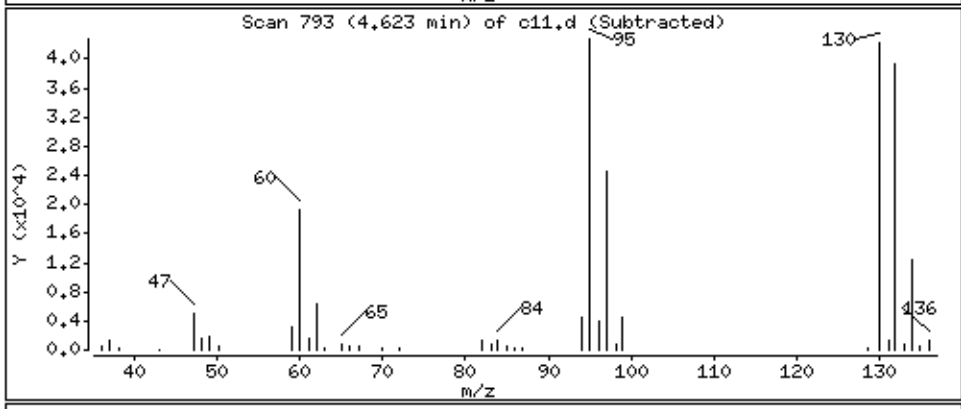
Column diameter: 0.18

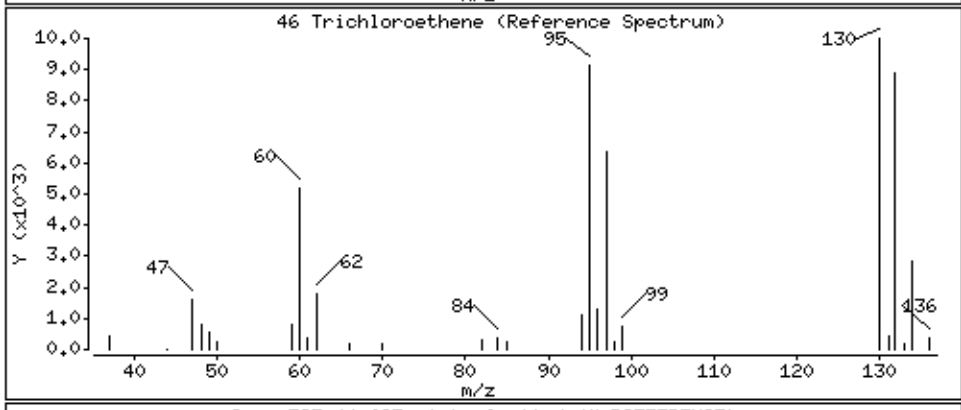
46 Trichloroethene

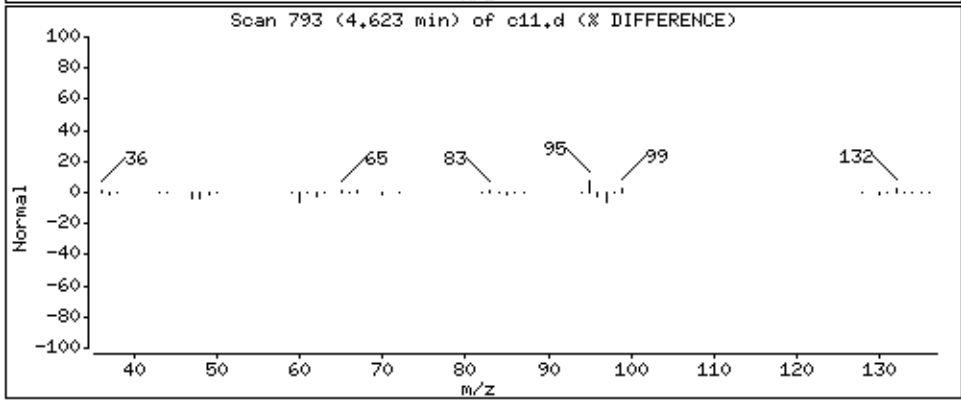
Concentration: 34.4 ppb

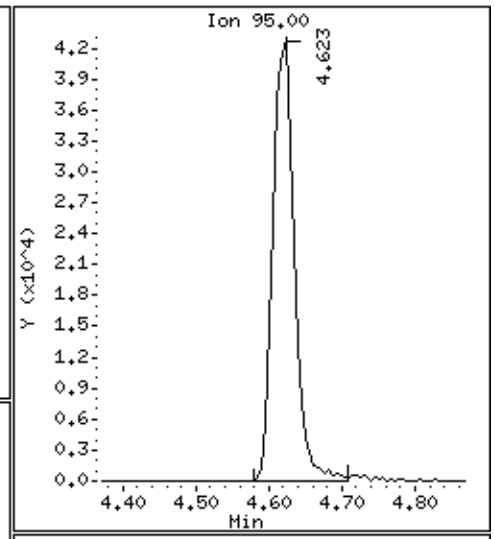
Review Code:

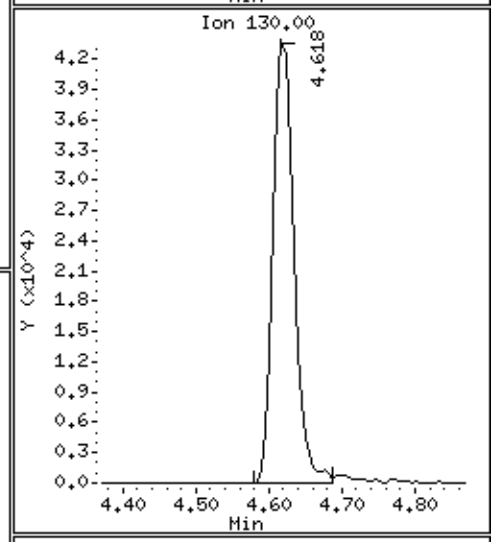


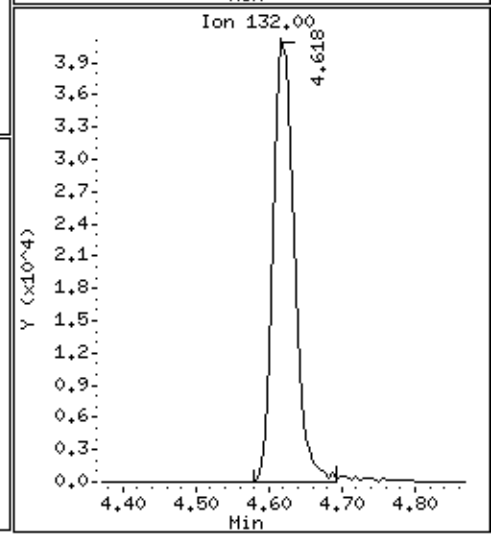












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

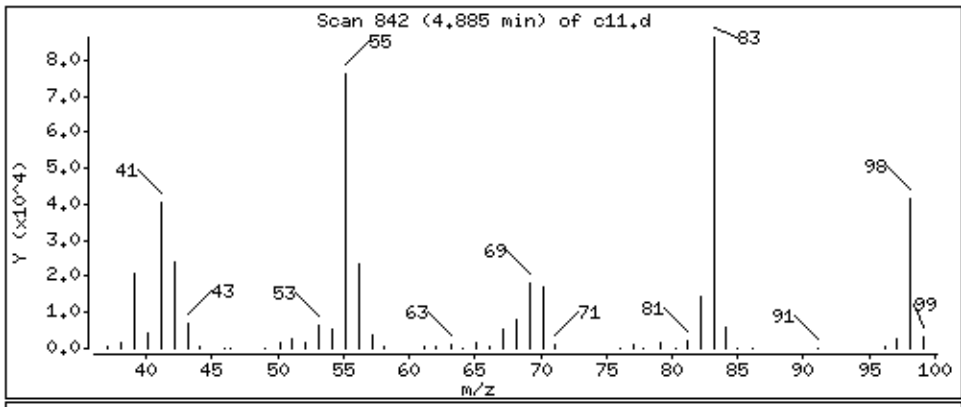
Column phase: DB-624

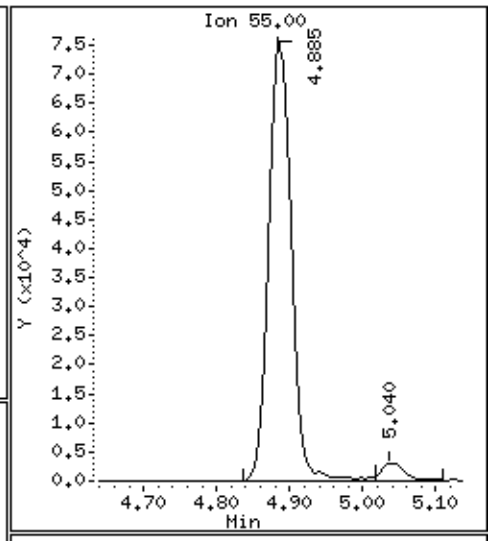
Column diameter: 0.18

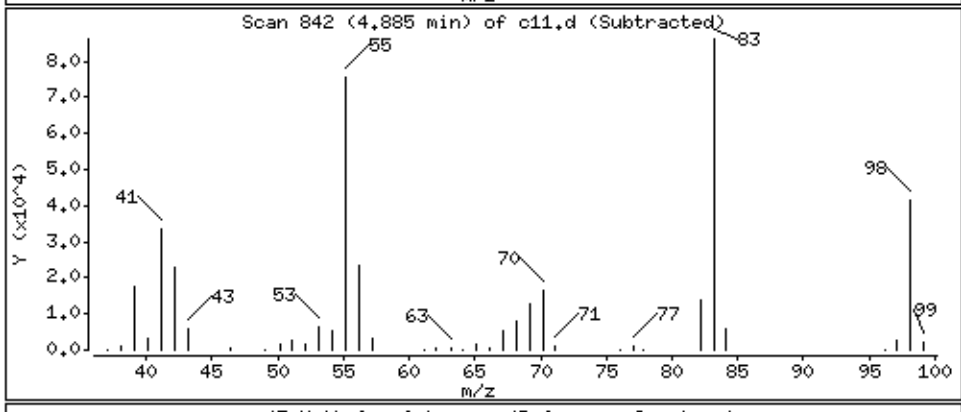
47 Methylcyclohexane

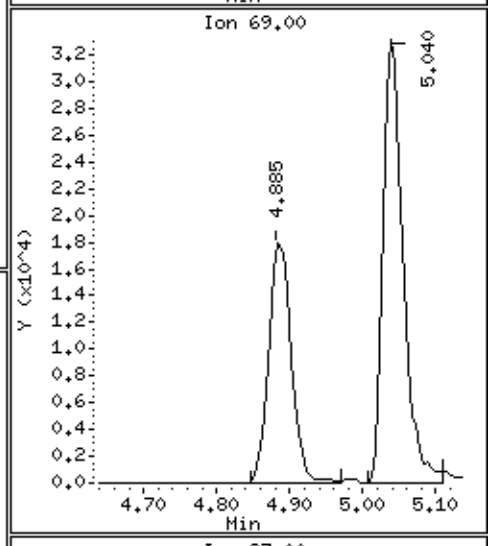
Concentration: 42.0 ppb

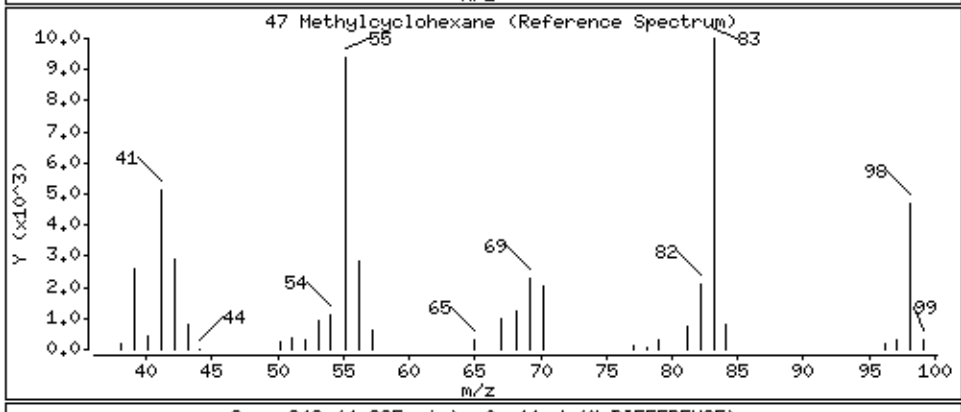
Review Code:

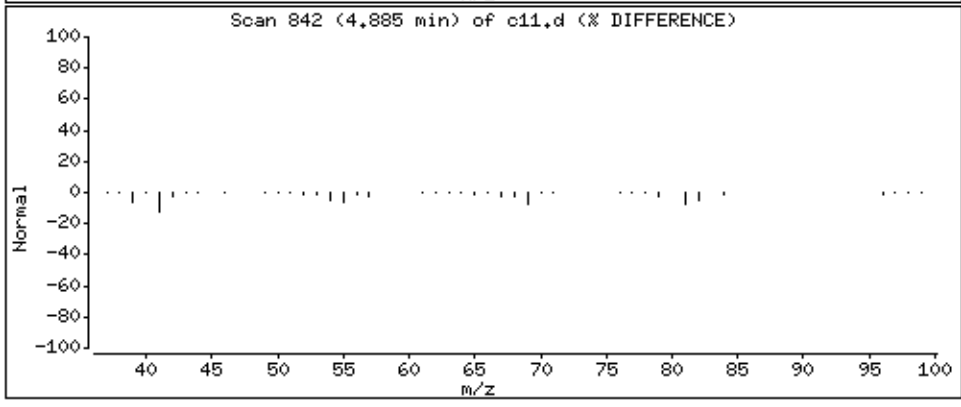


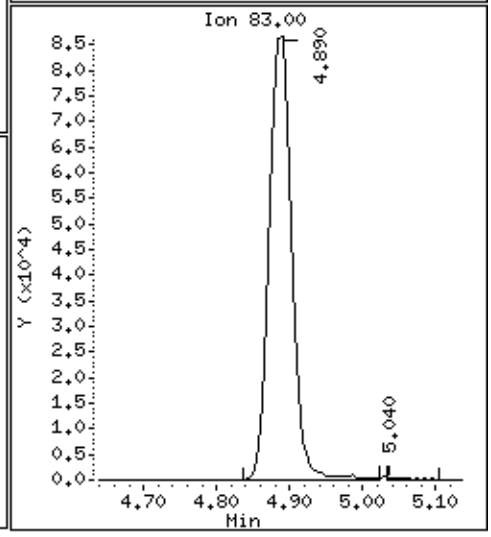












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

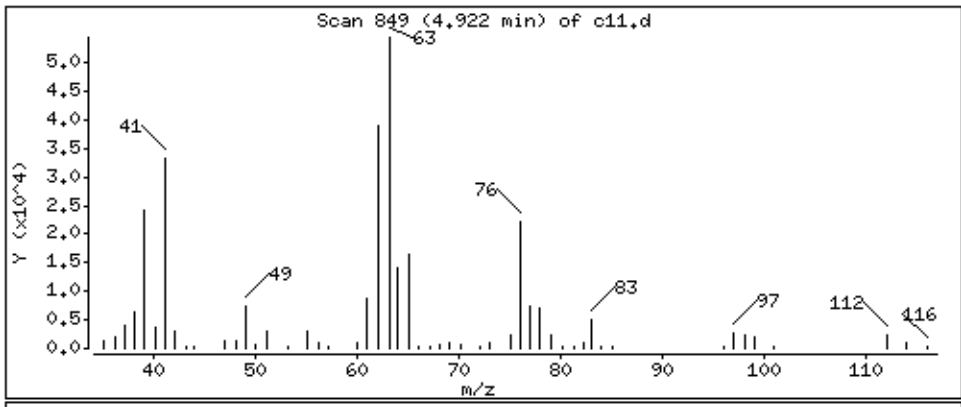
Column phase: DB-624

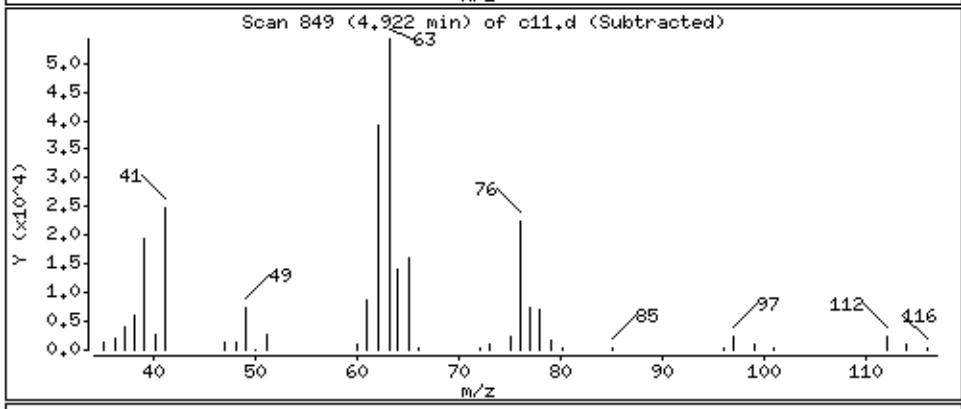
Column diameter: 0.18

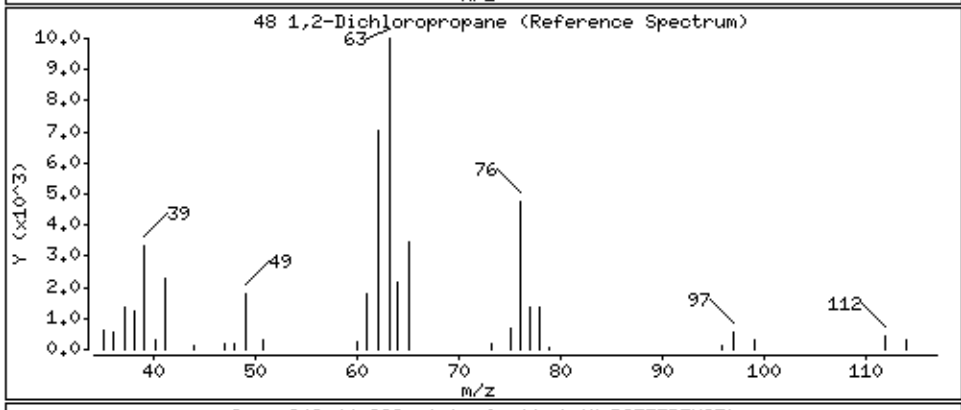
48 1,2-Dichloropropane

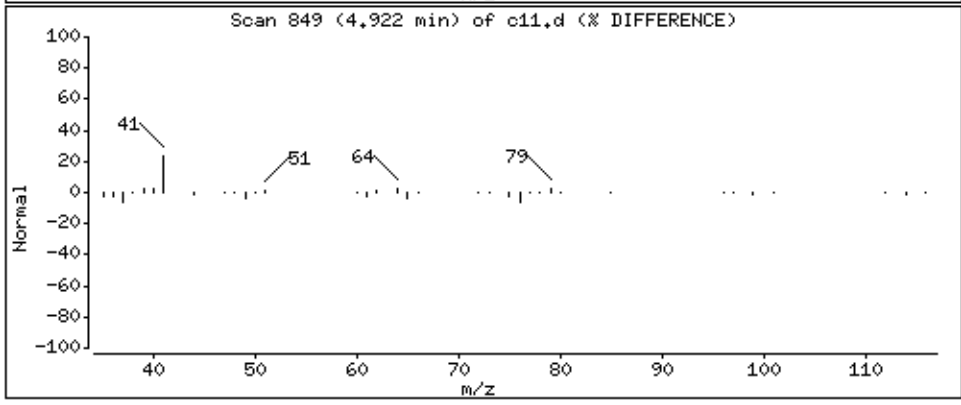
Concentration: 48.3 ppb

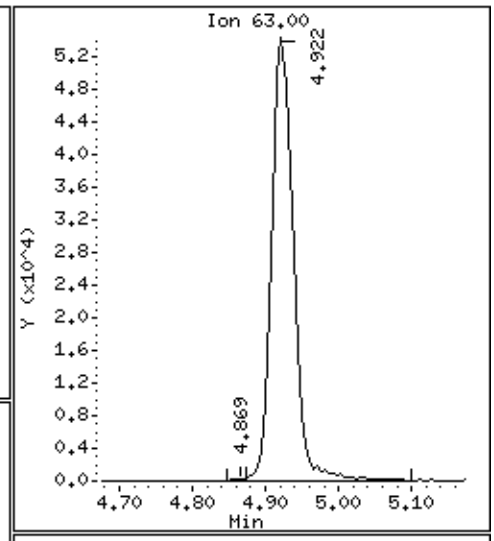
Review Code:

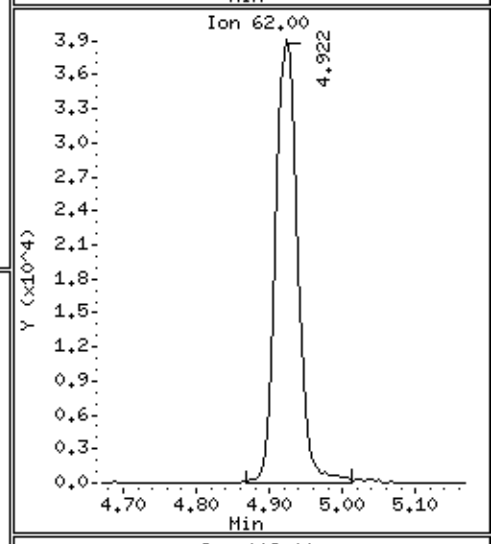


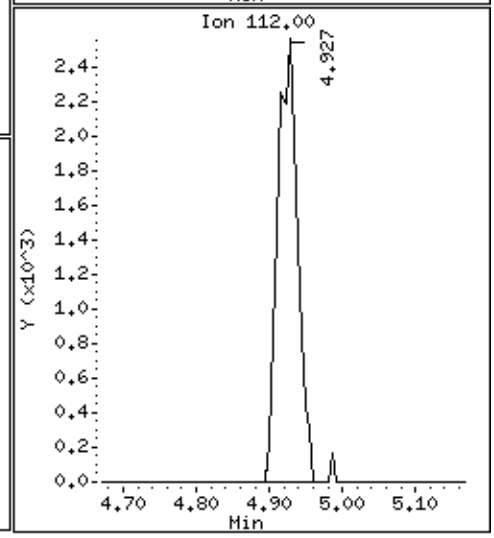












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

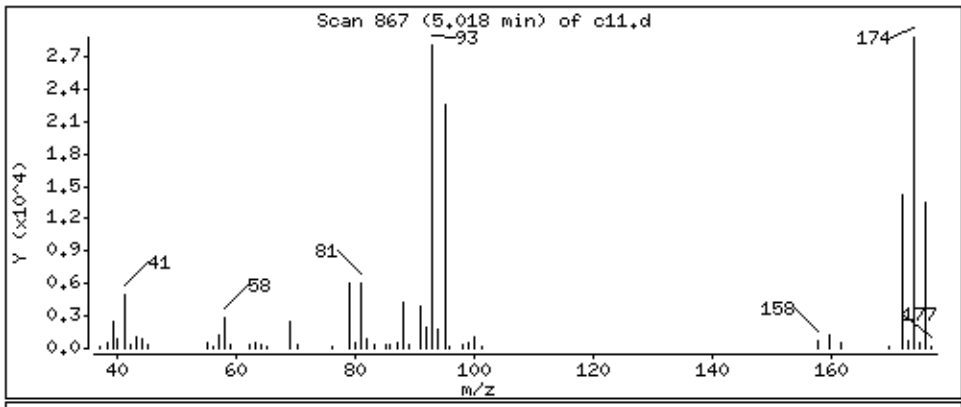
Column phase: DB-624

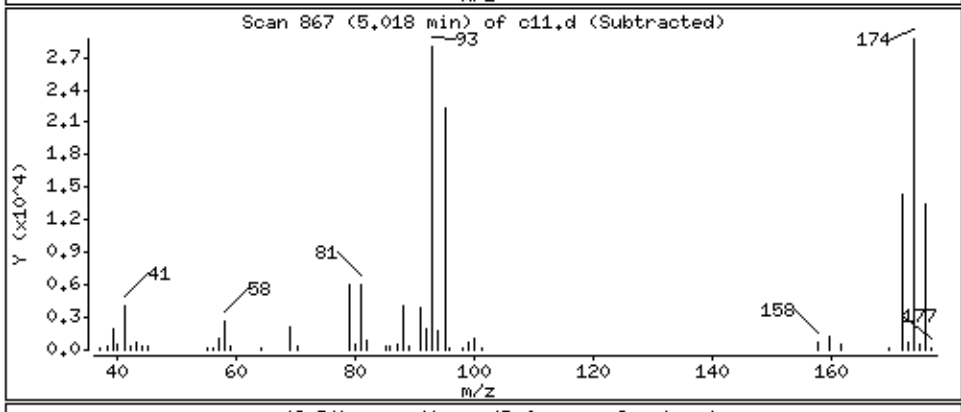
Column diameter: 0.18

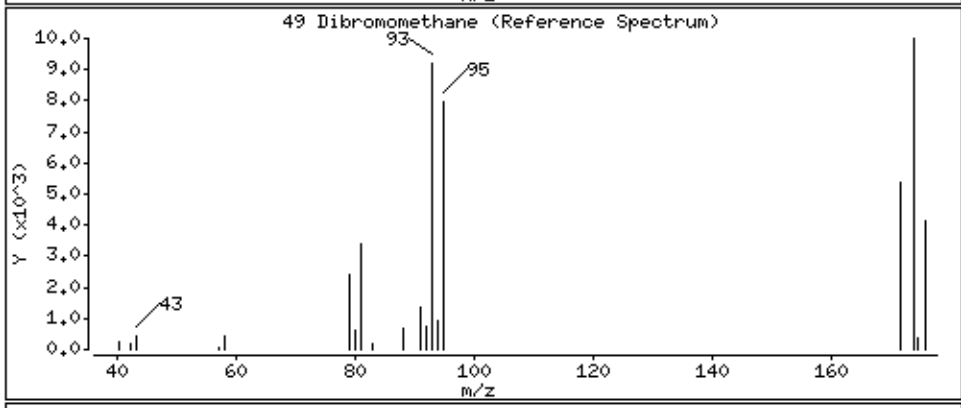
49 Dibromomethane

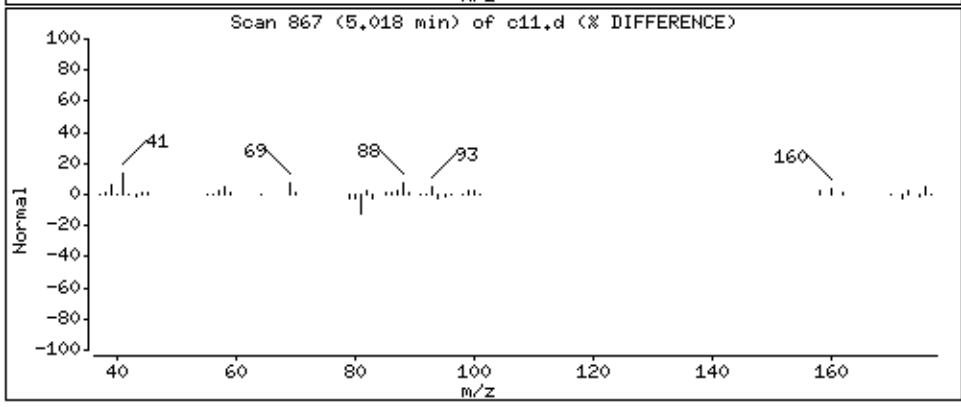
Concentration: 49.1 ppb

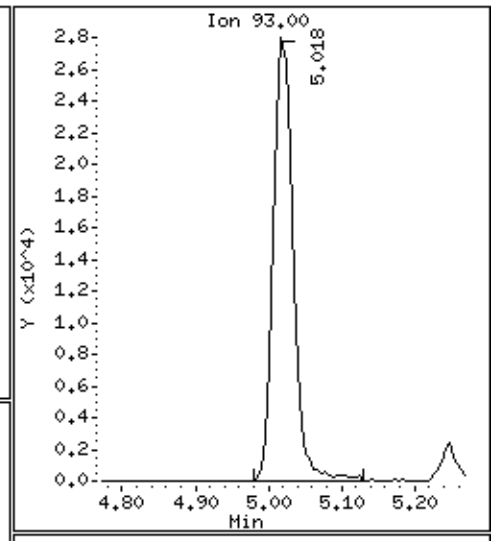
Review Code:

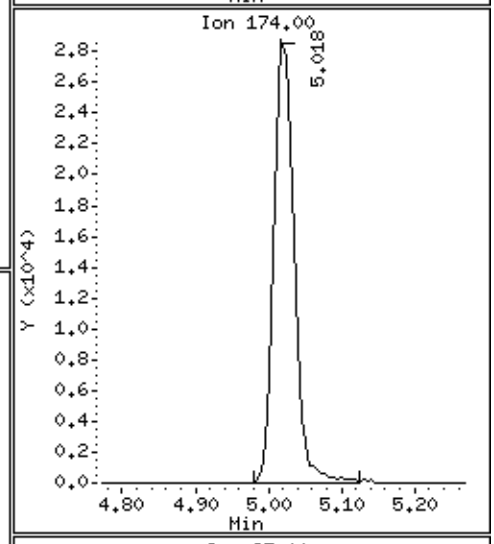


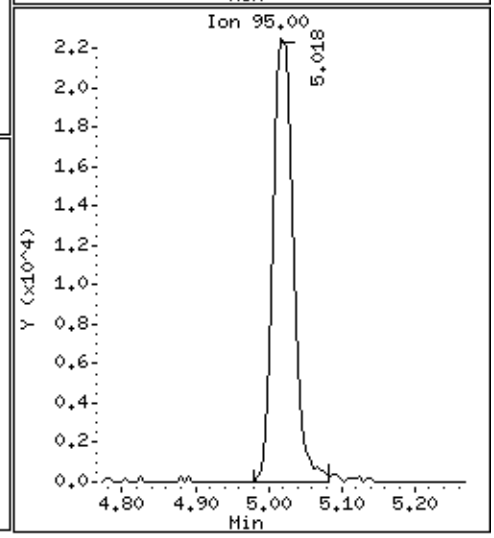












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

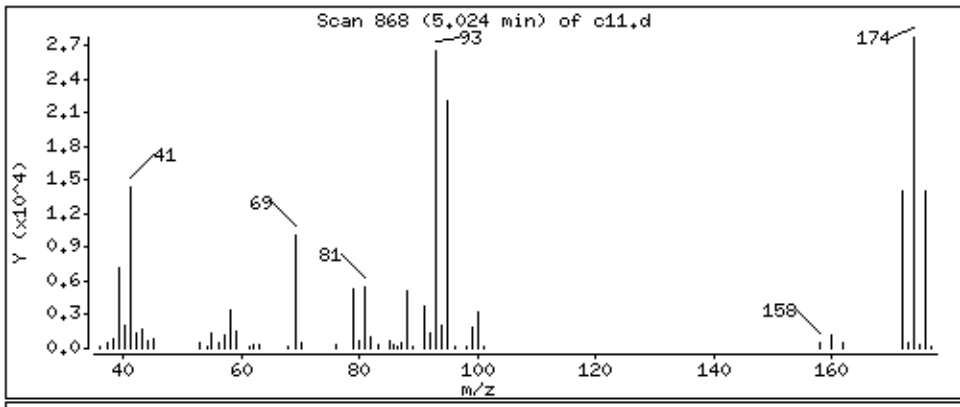
Column phase: DB-624

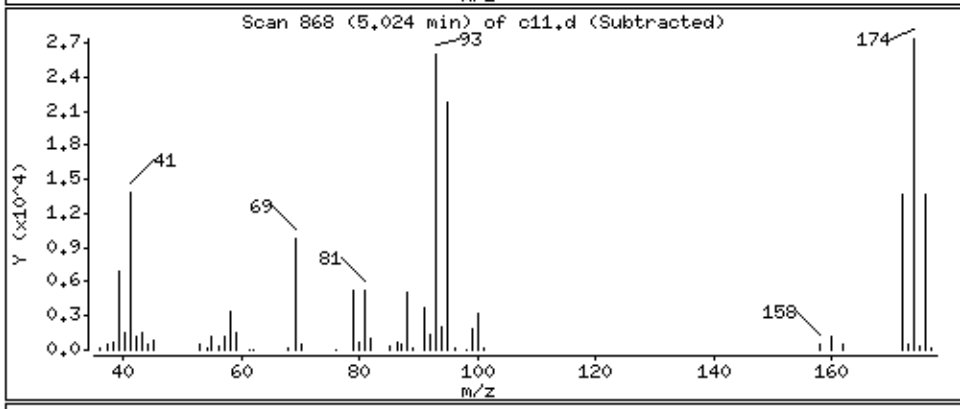
Column diameter: 0.18

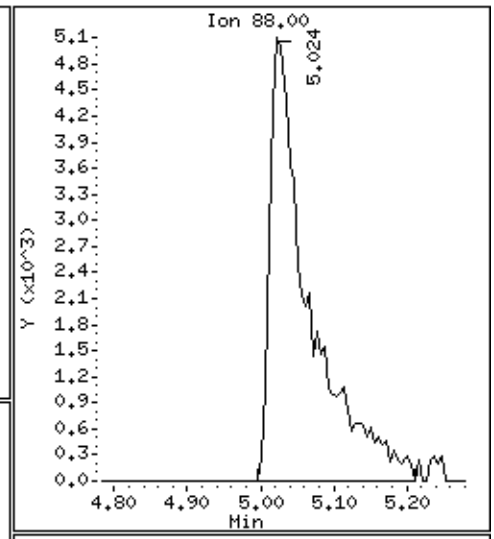
50 1,4-Dioxane

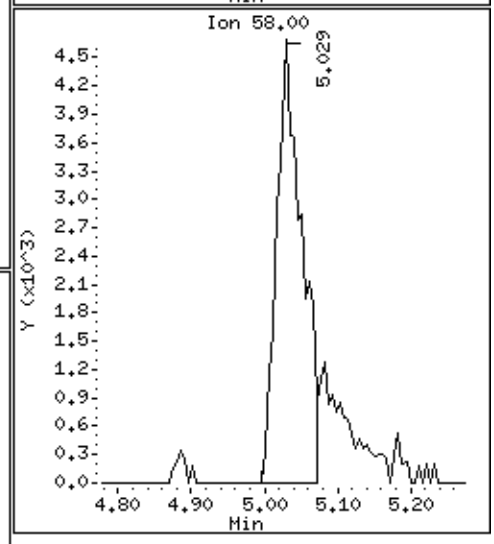
Concentration: 1320 ppb

Review Code:









Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

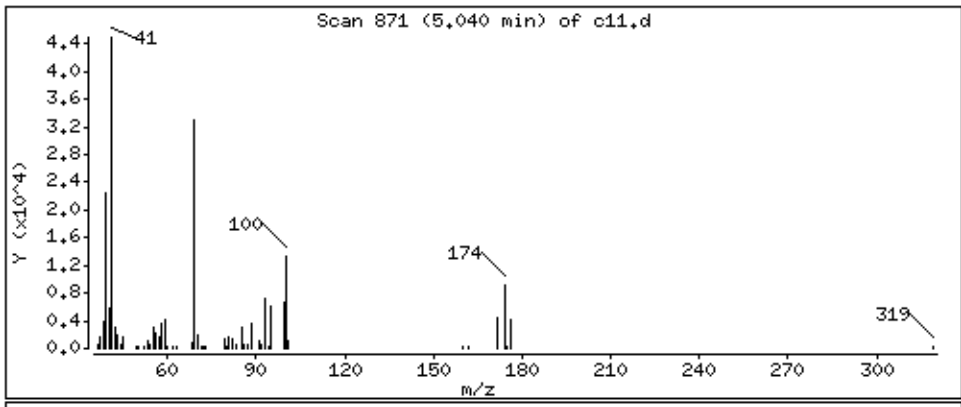
Column phase: DB-624

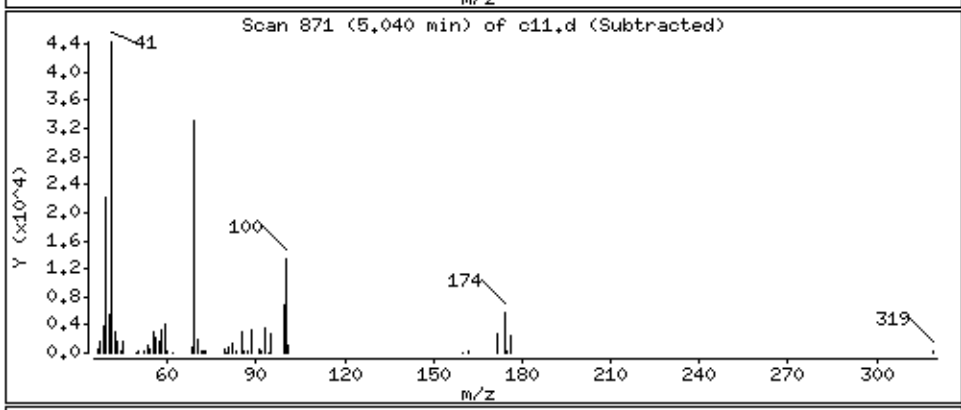
Column diameter: 0.18

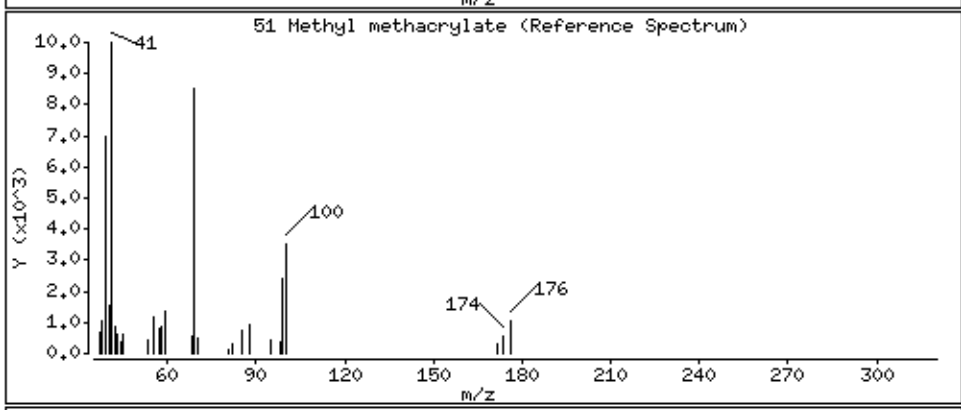
51 Methyl methacrylate

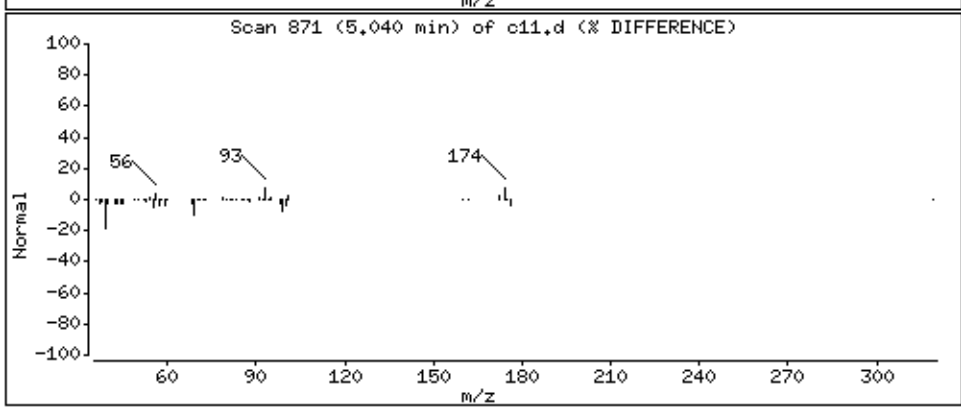
Concentration: 63.0 ppb

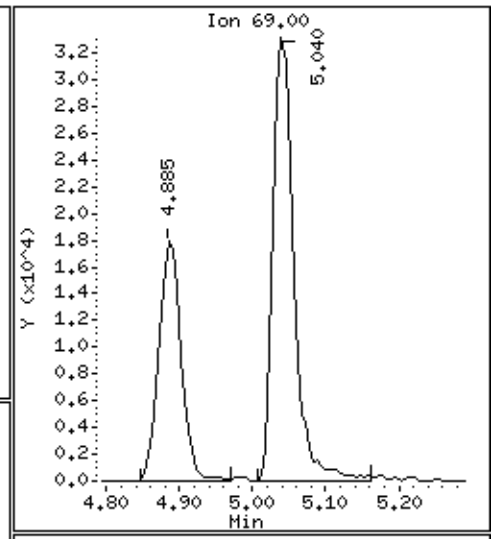
Review Code:

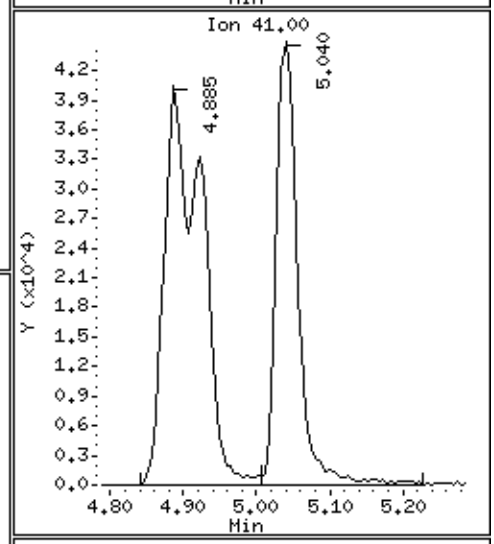


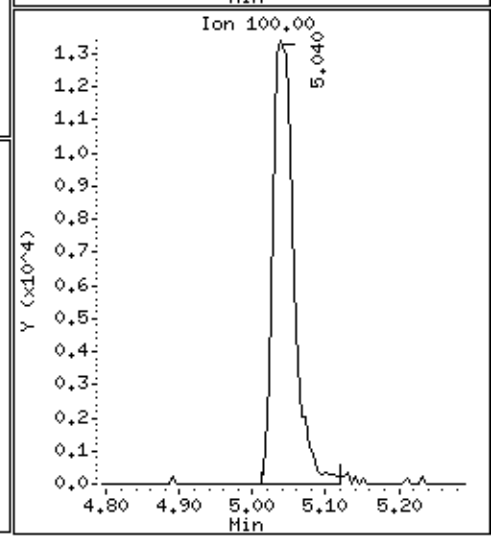












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

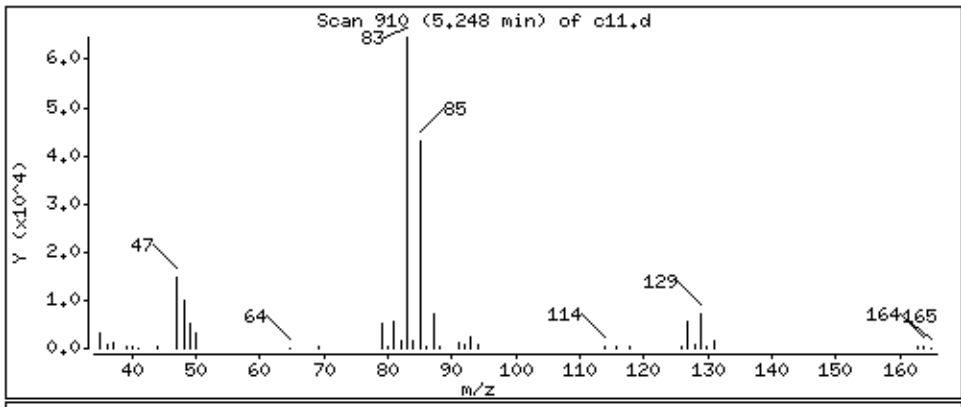
Column phase: DB-624

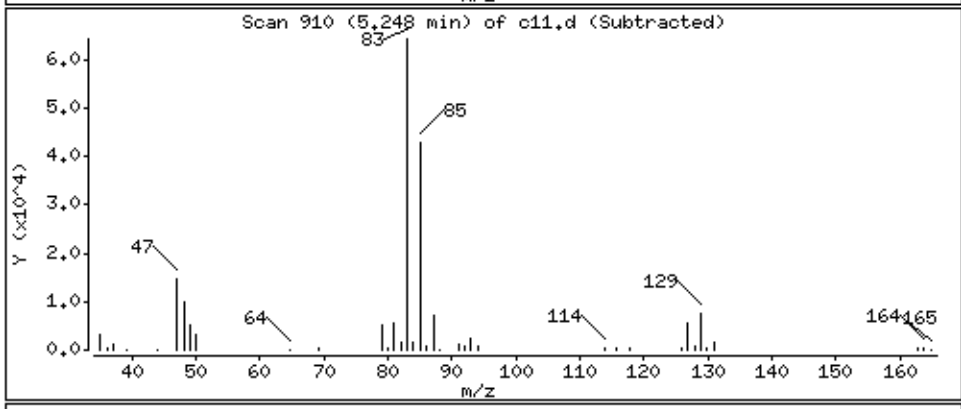
Column diameter: 0.18

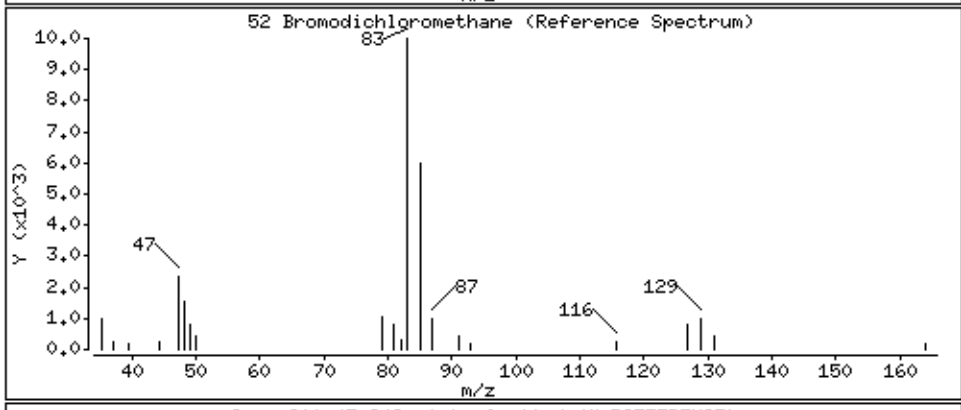
52 Bromodichloromethane

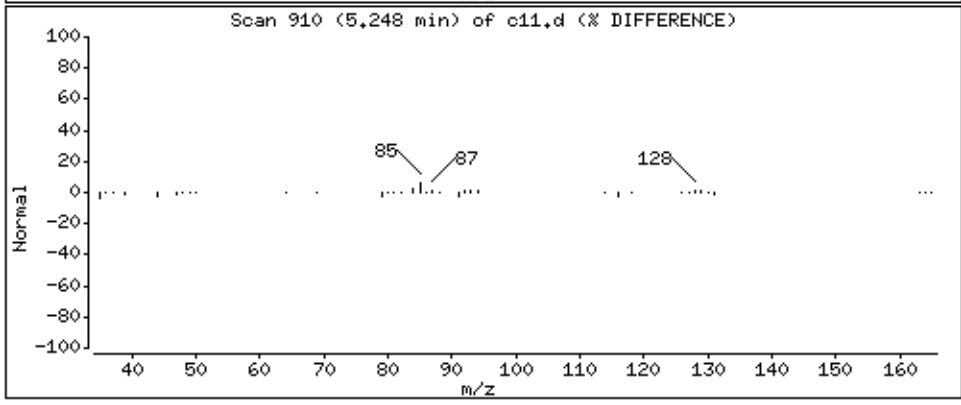
Concentration: 46.7 ppb

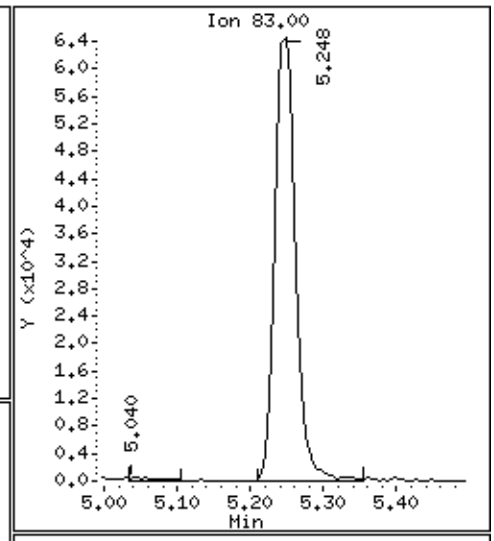
Review Code:

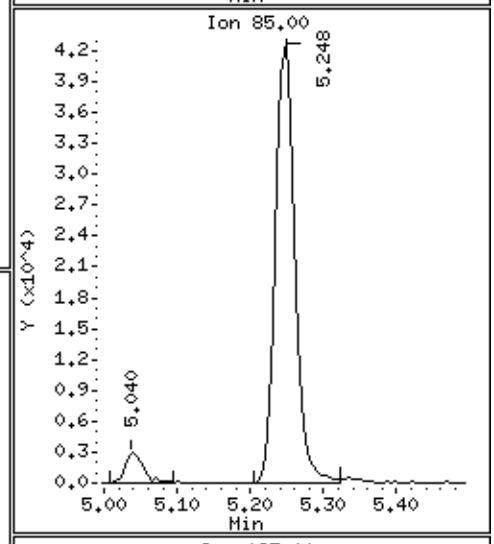


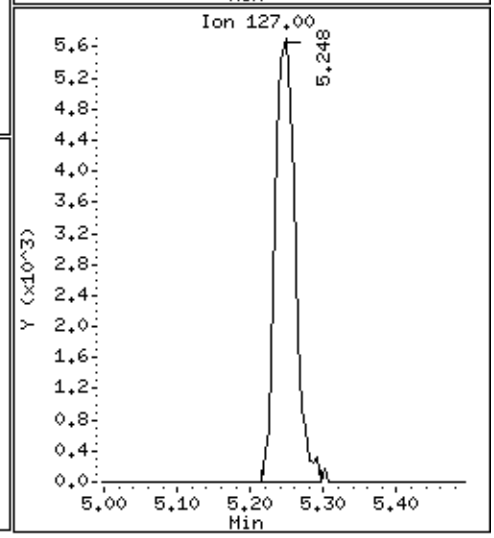












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

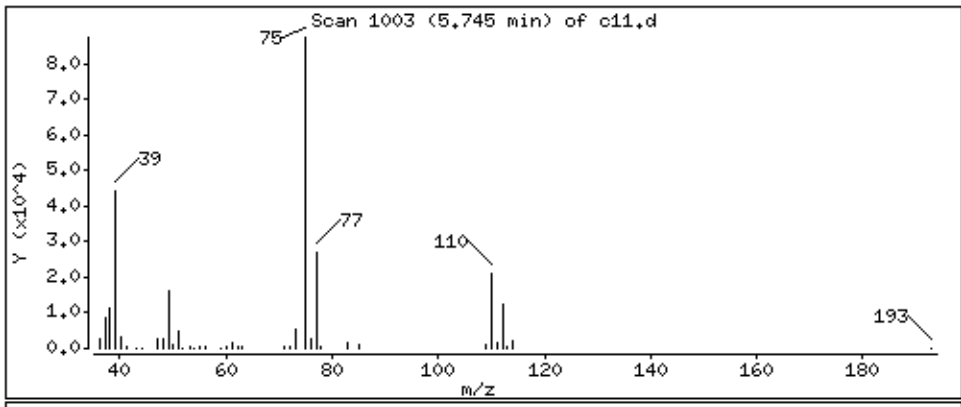
Column phase: DB-624

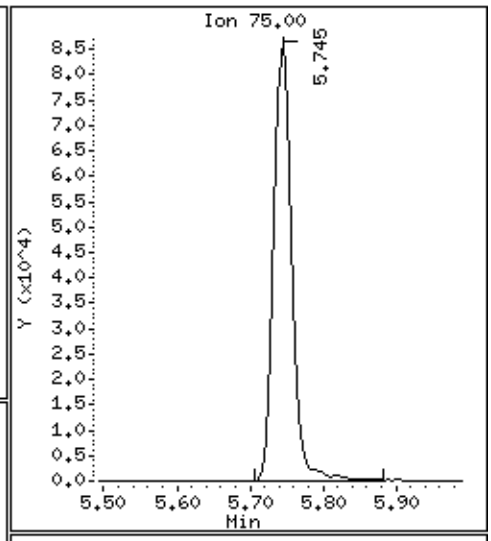
Column diameter: 0.18

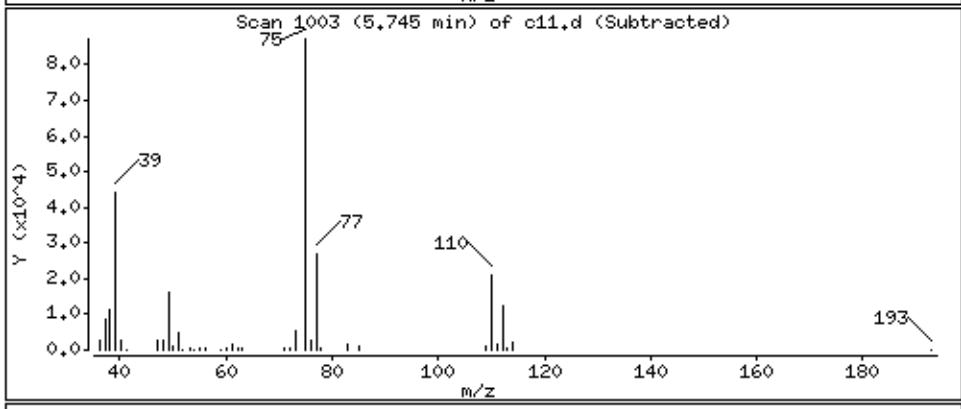
54 cis-1,3-Dichloropropene

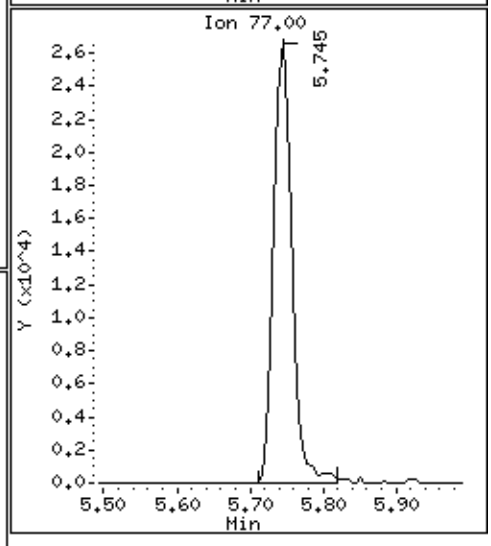
Concentration: 39.9 ppb

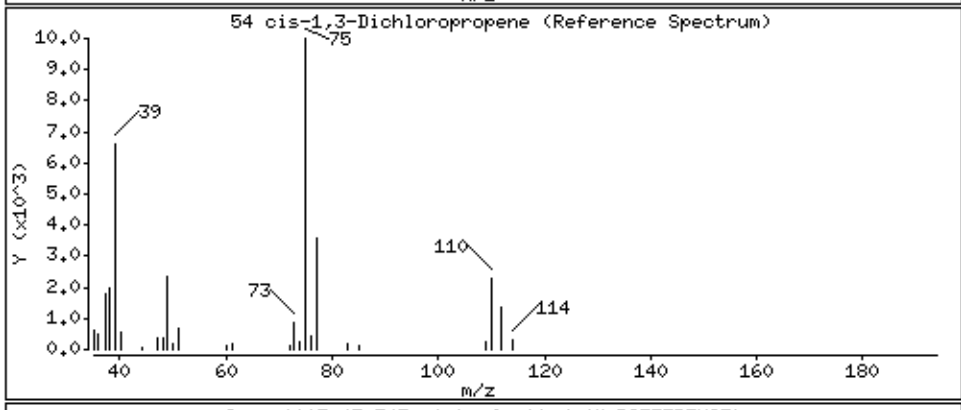
Review Code:

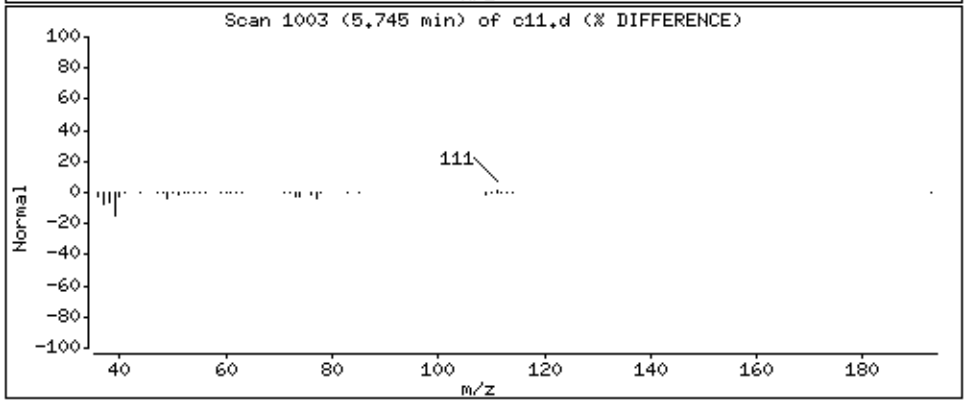












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

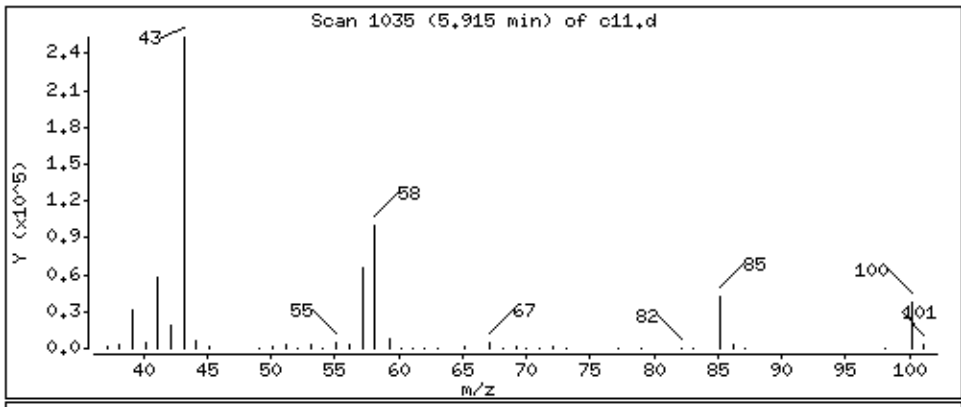
Column phase: DB-624

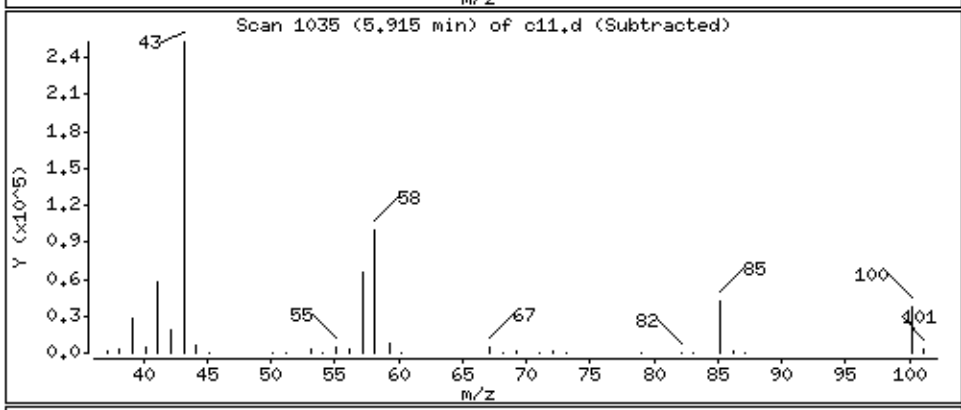
Column diameter: 0.18

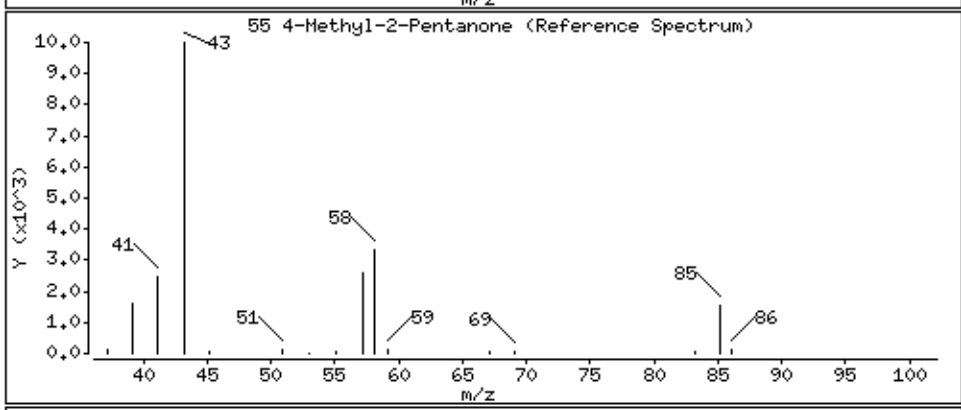
55 4-Methyl-2-Pentanone

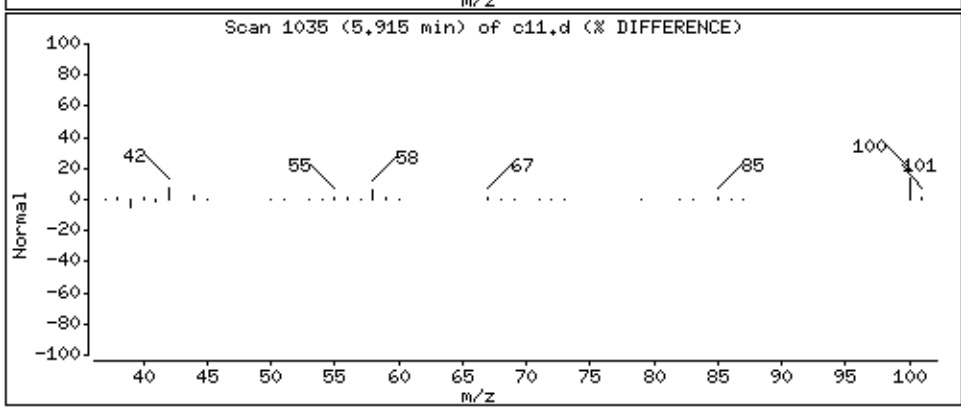
Concentration: 268 ppb

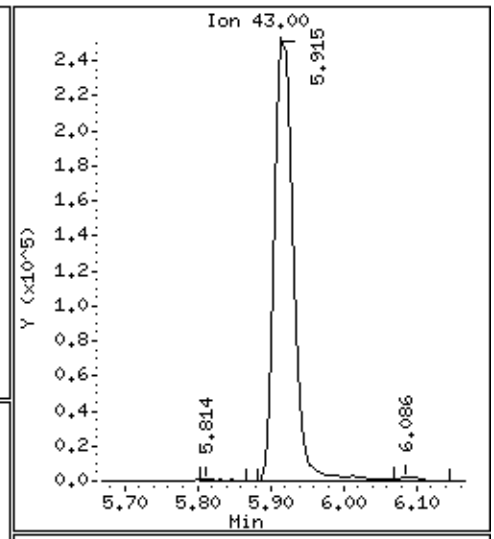
Review Code:

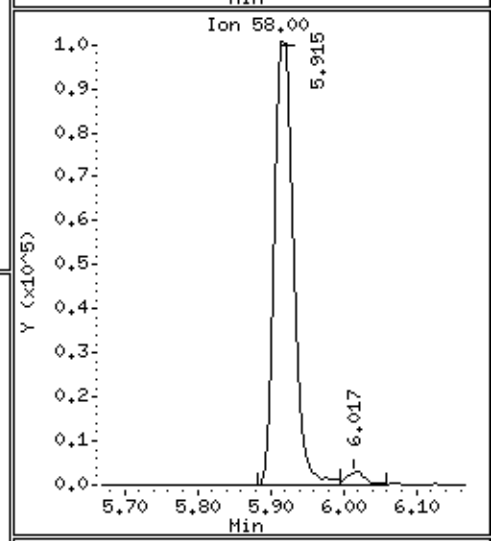


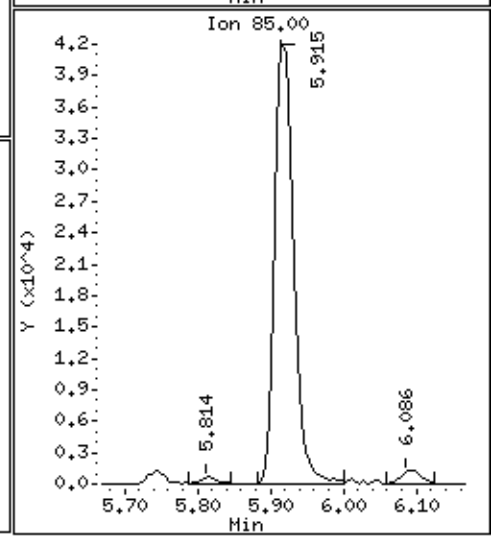












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

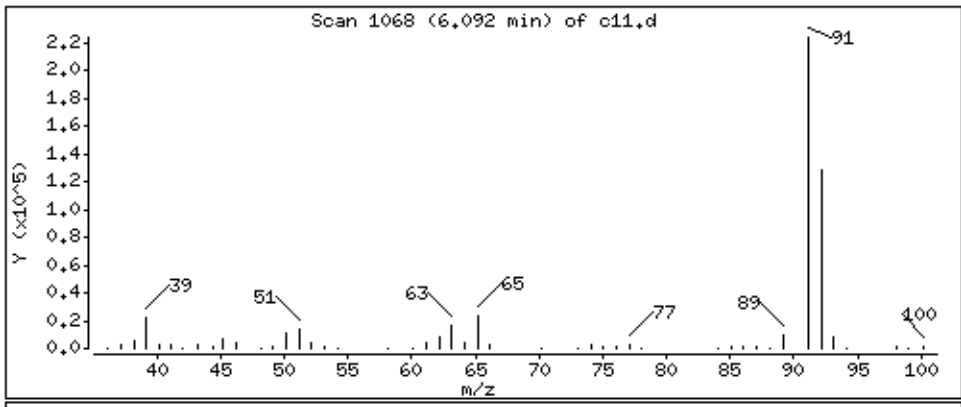
Column phase: DB-624

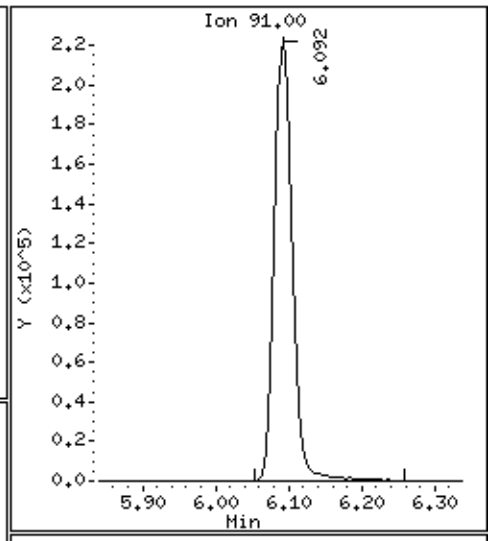
Column diameter: 0.18

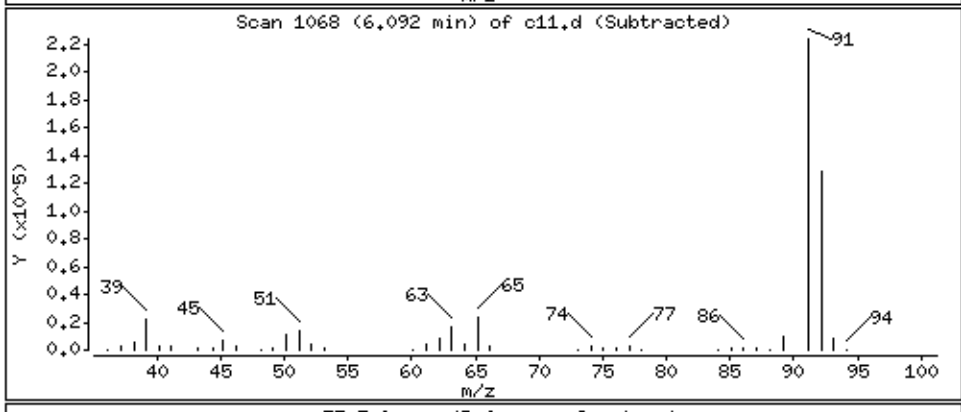
57 Toluene

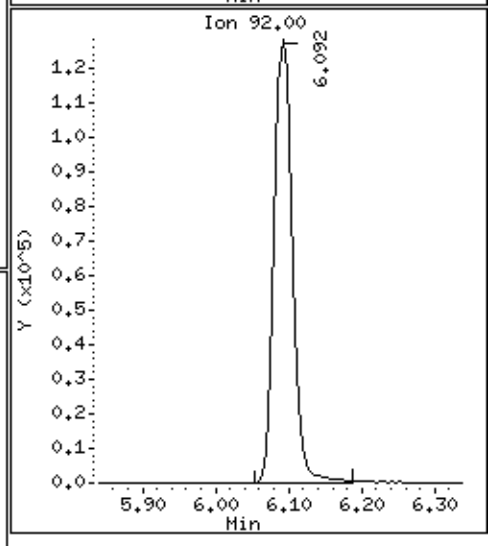
Concentration: 31.2 ppb

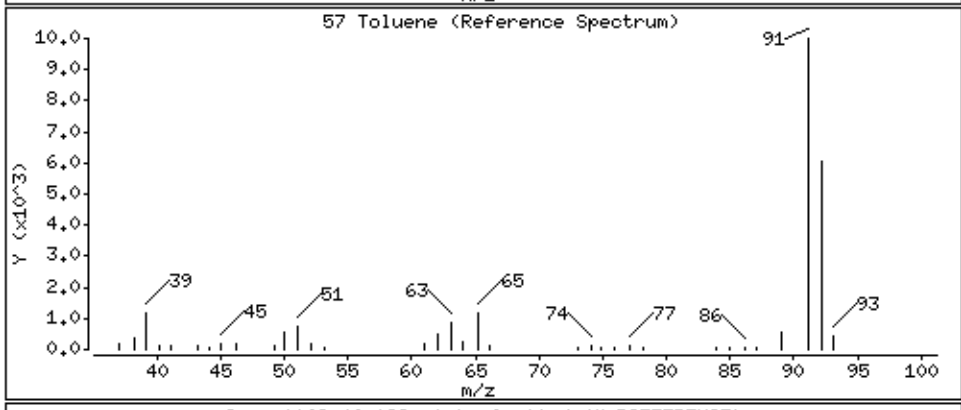
Review Code:

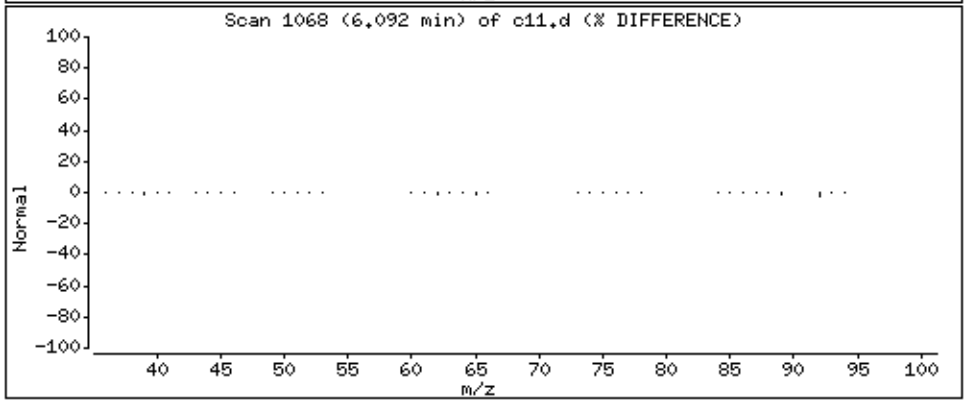












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

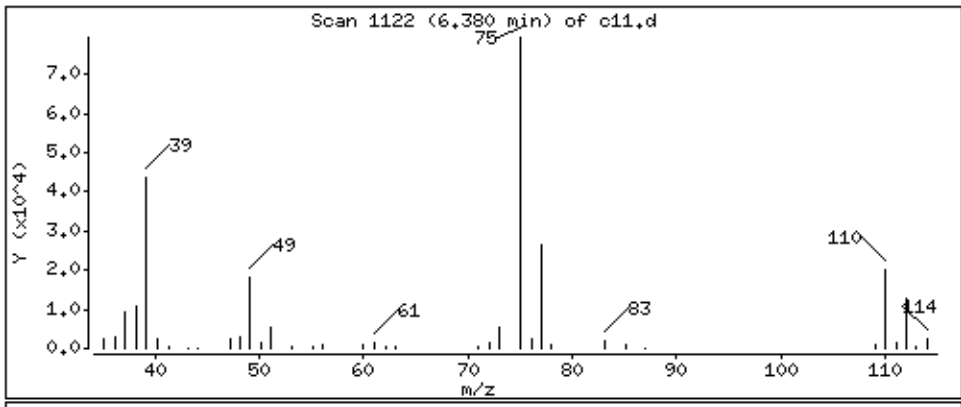
Column phase: DB-624

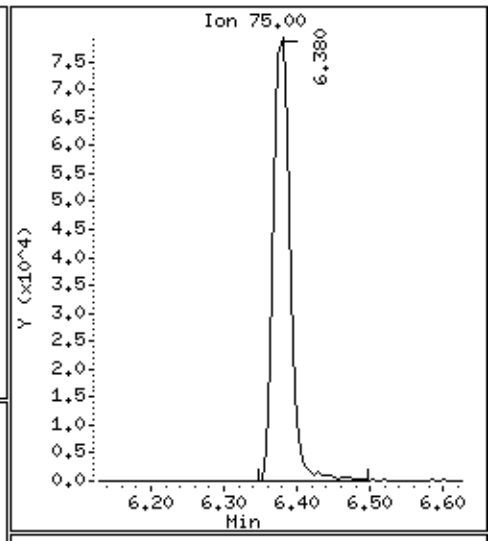
Column diameter: 0.18

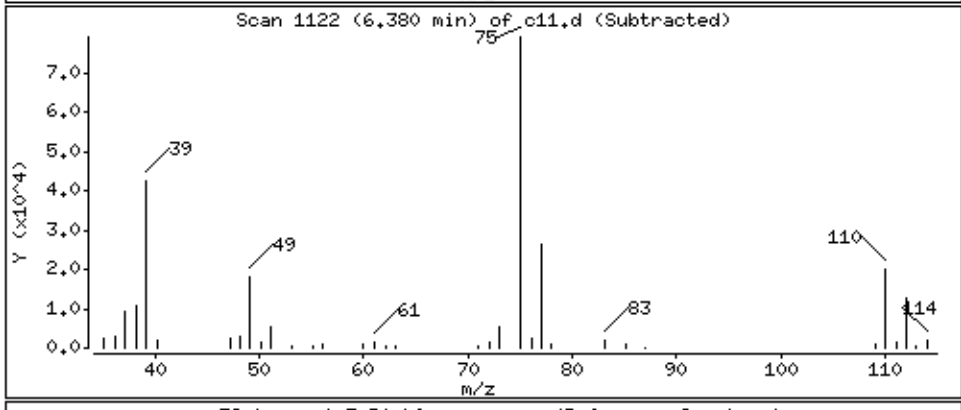
58 trans-1,3-Dichloropropene

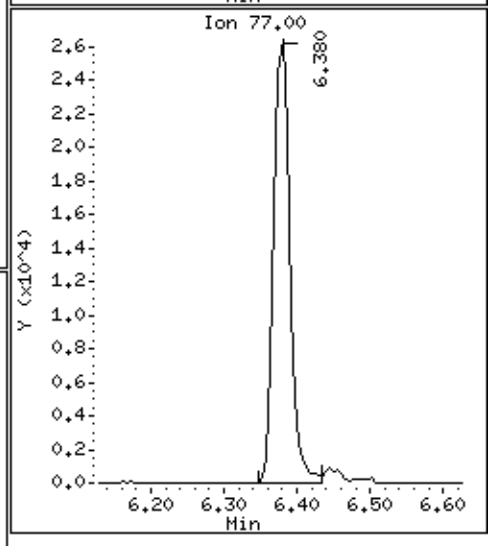
Concentration: 41.9 ppb

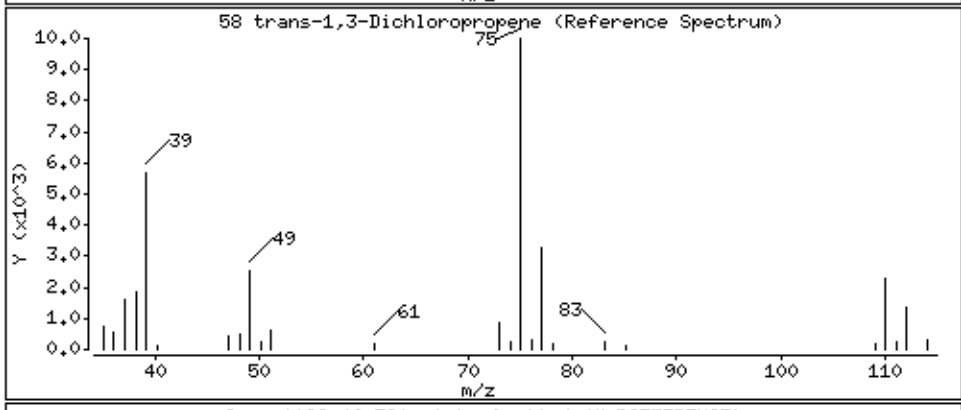
Review Code:

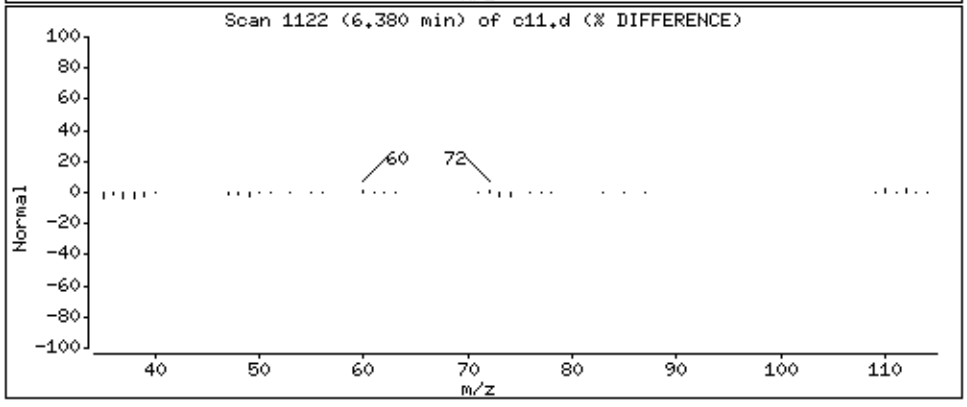












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

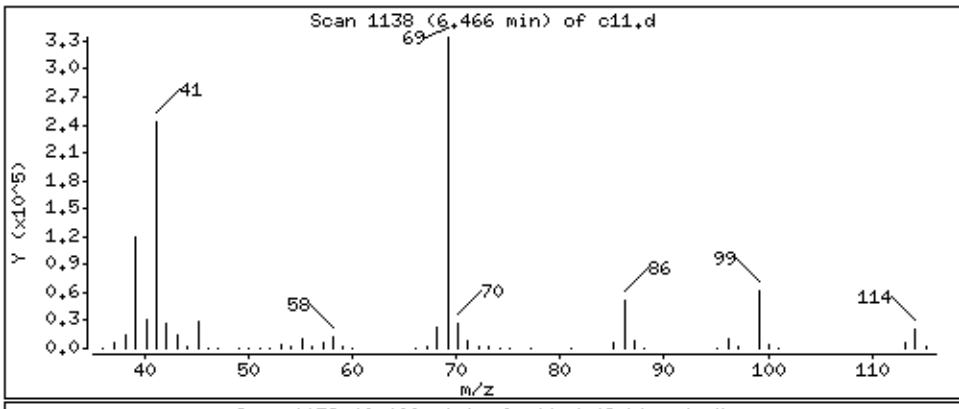
Column phase: DB-624

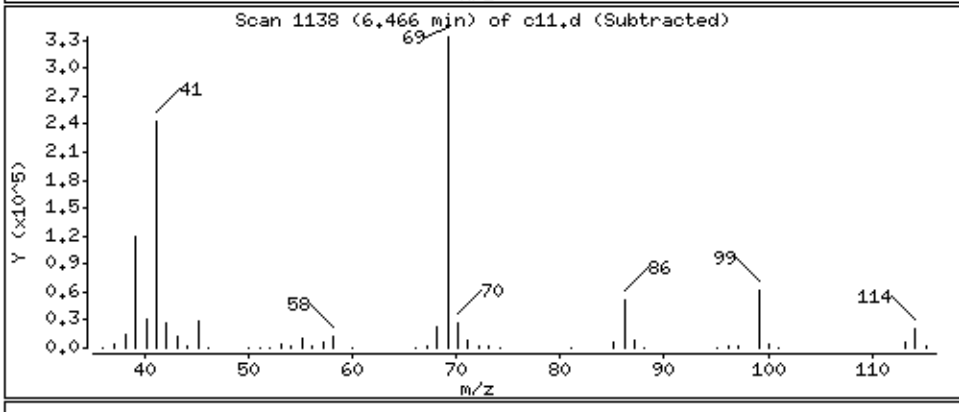
Column diameter: 0.18

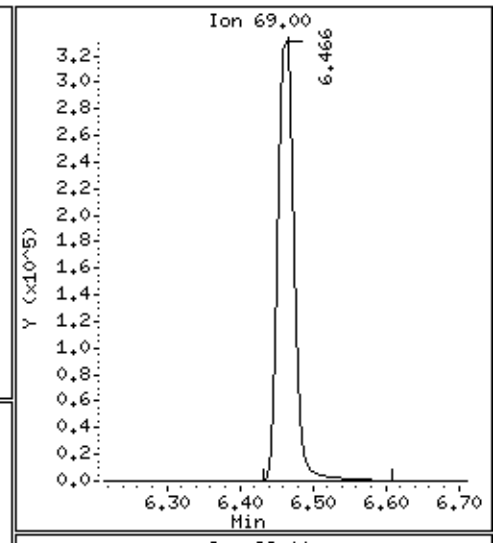
59 Ethyl Methacrylate

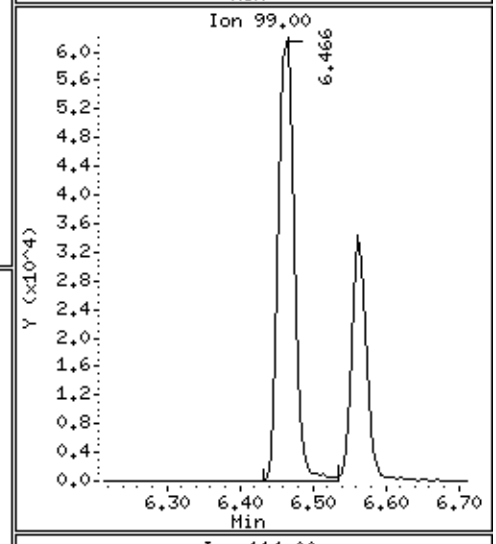
Concentration: 224 ppb

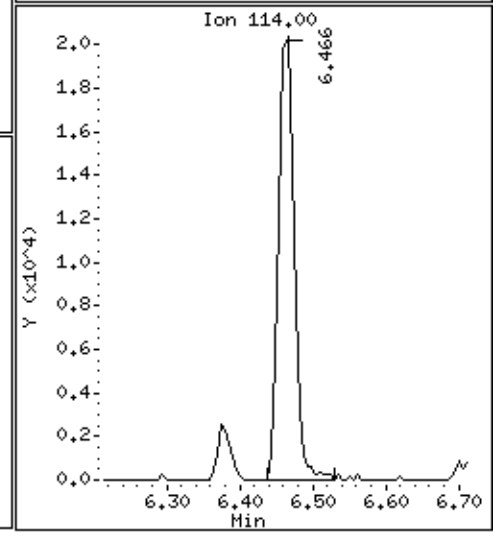
Review Code:











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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

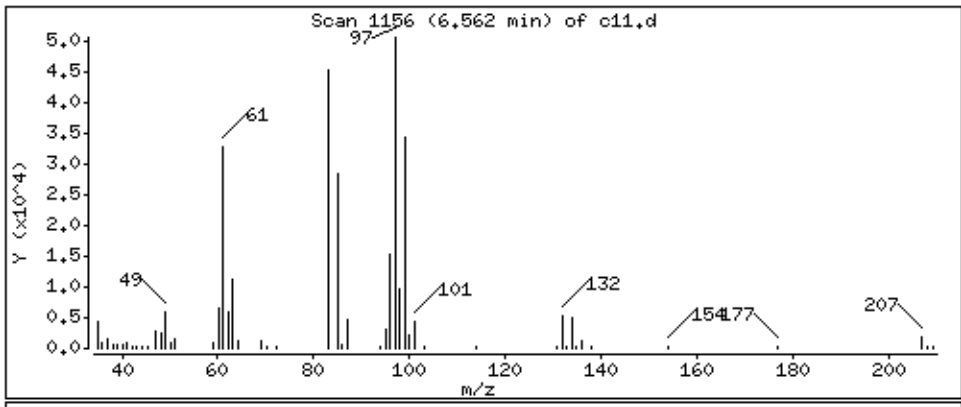
Column phase: DB-624

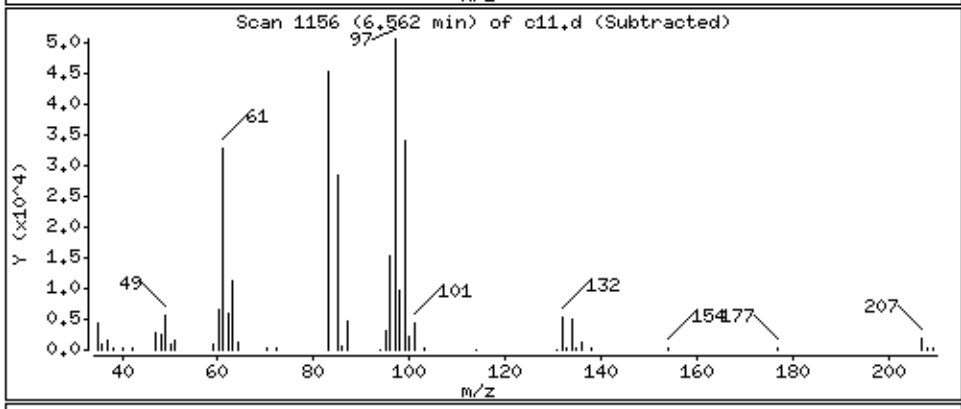
Column diameter: 0.18

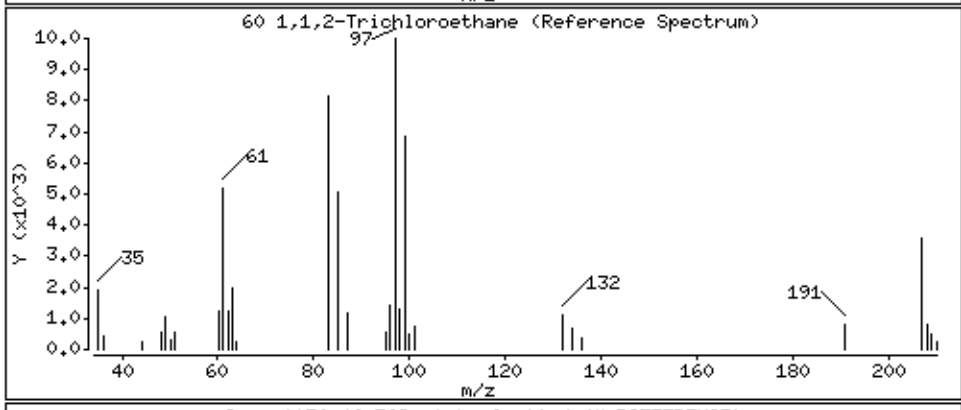
60 1,1,2-Trichloroethane

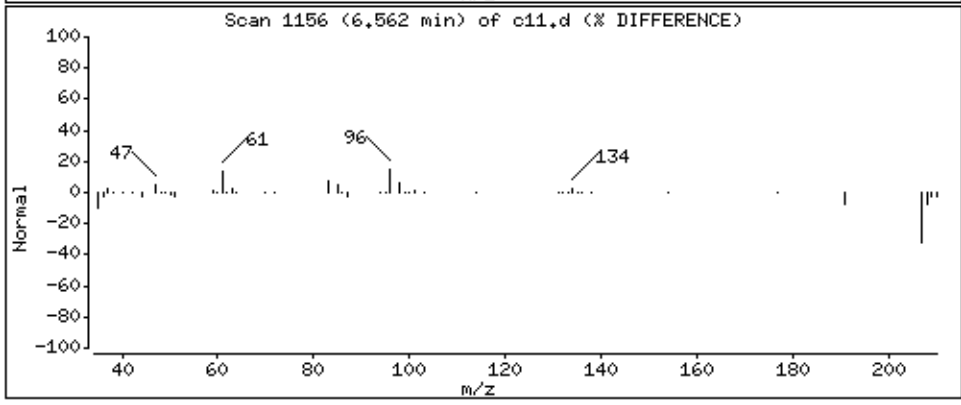
Concentration: 47.8 ppb

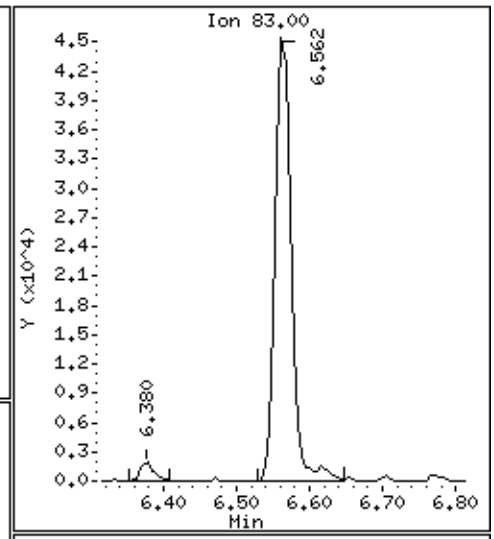
Review Code:

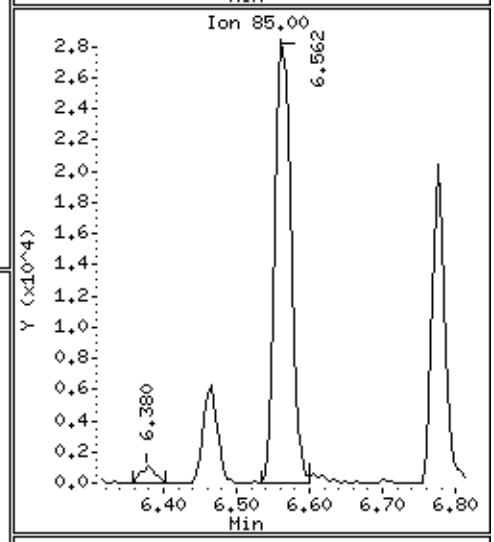


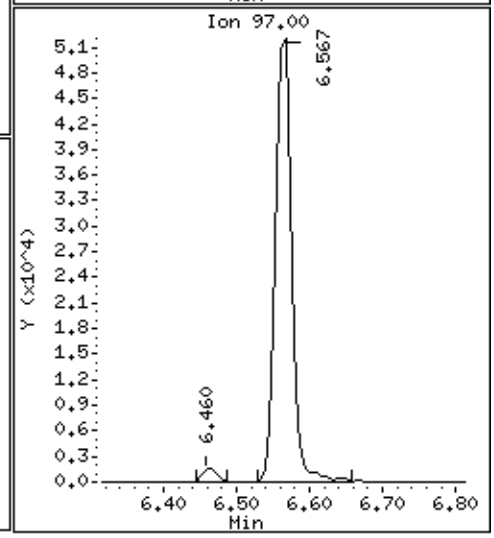












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

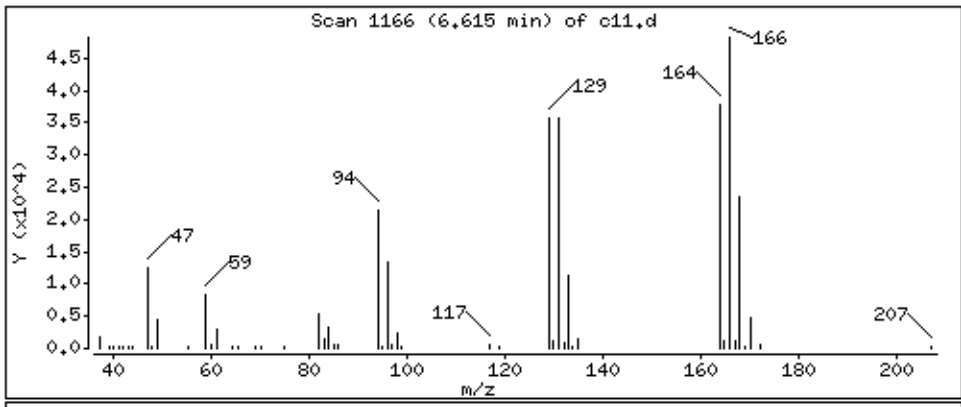
Column phase: DB-624

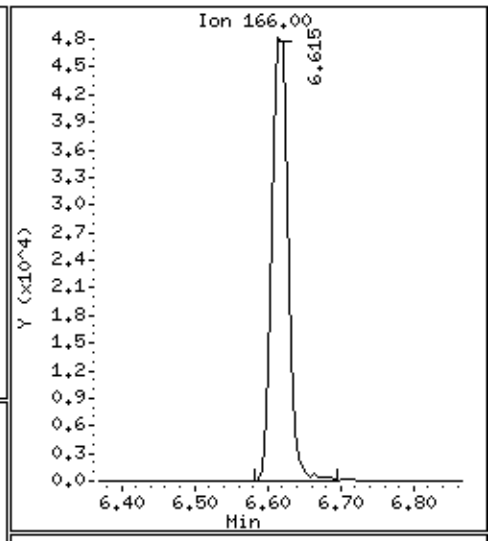
Column diameter: 0.18

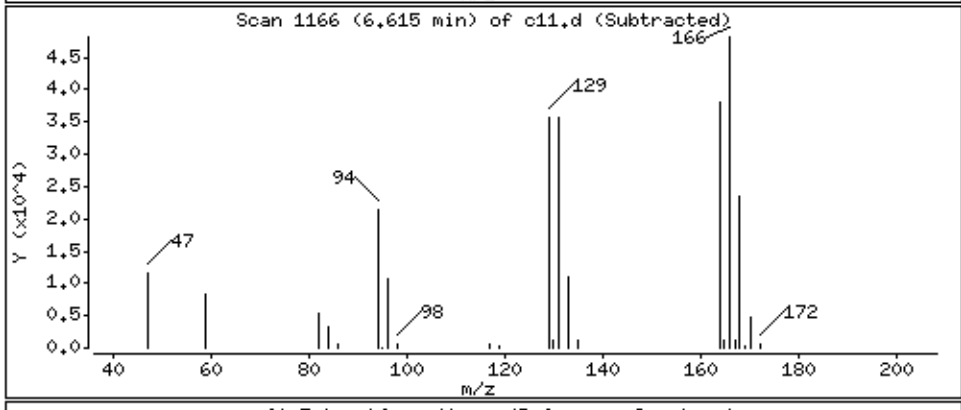
61 Tetrachloroethene

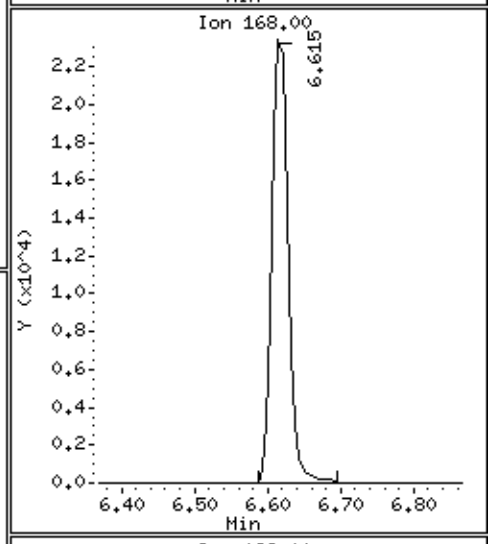
Concentration: 26.6 ppb

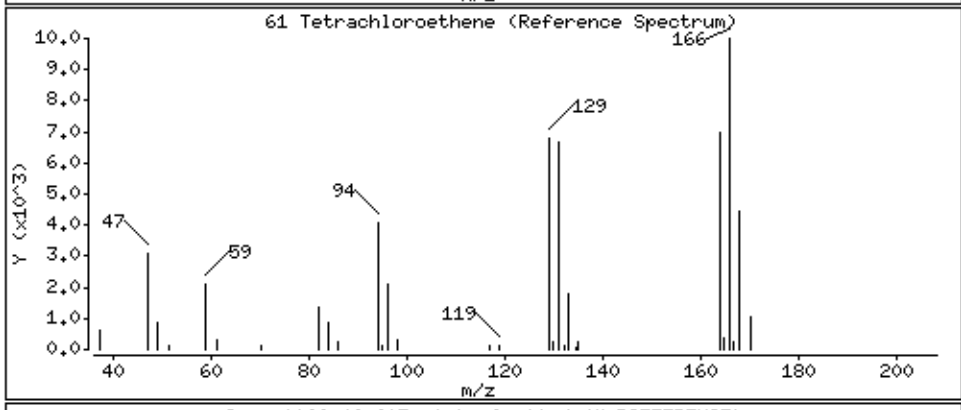
Review Code:

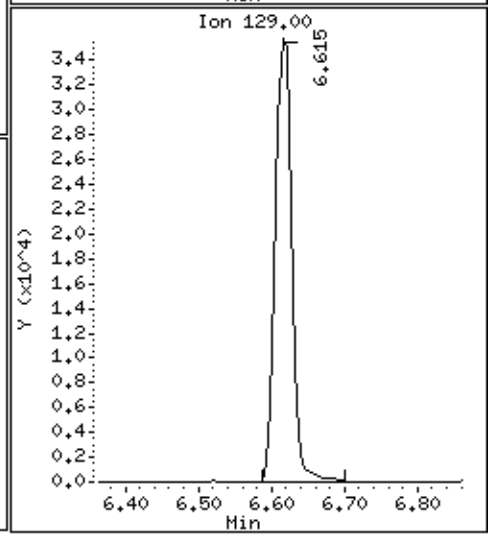


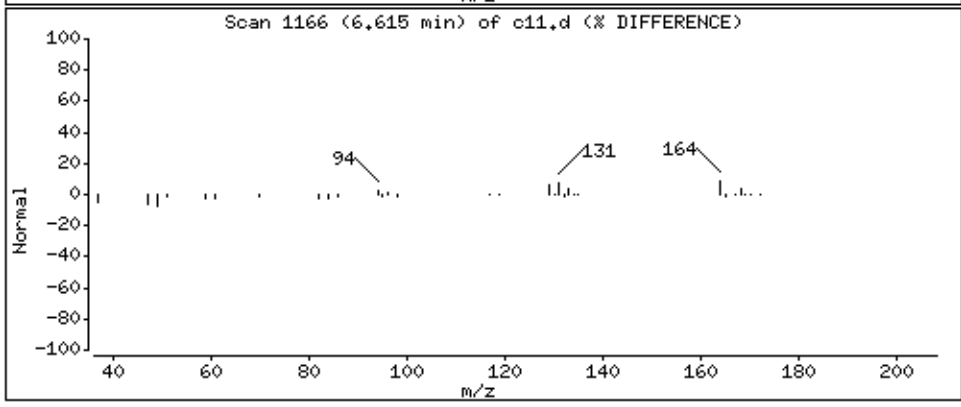












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

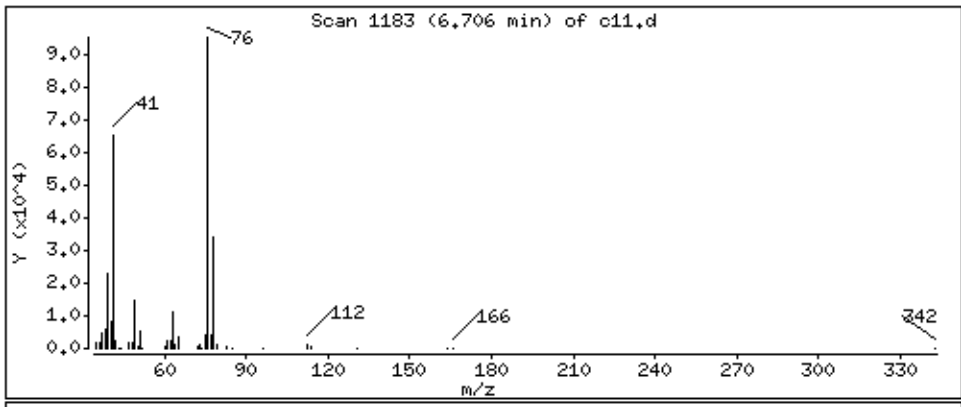
Column phase: DB-624

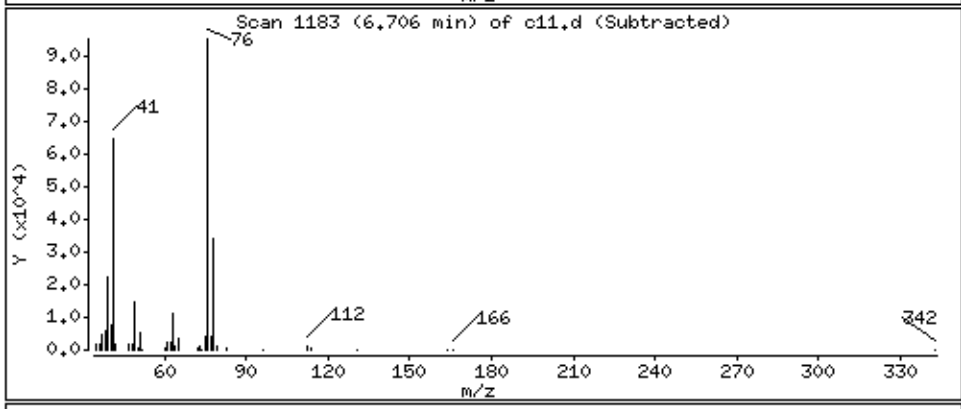
Column diameter: 0.18

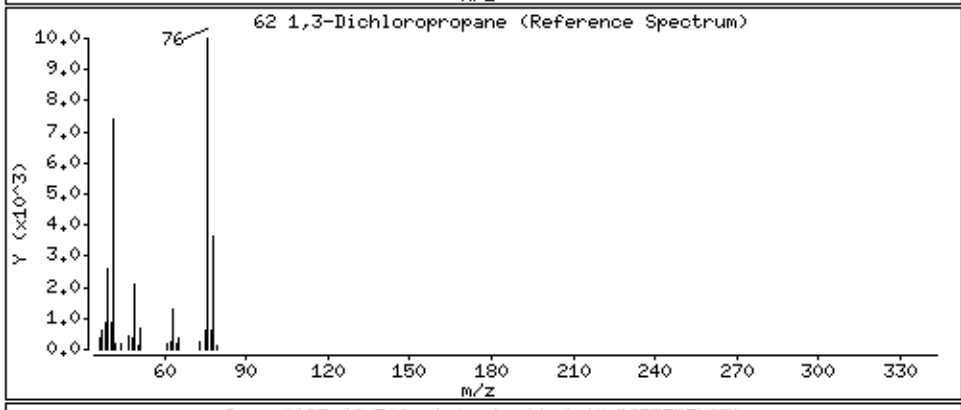
62 1,3-Dichloropropane

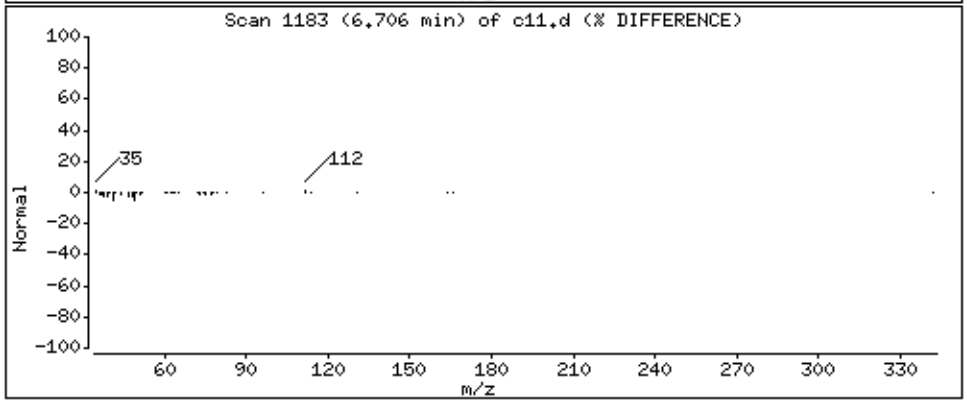
Concentration: 47.0 ppb

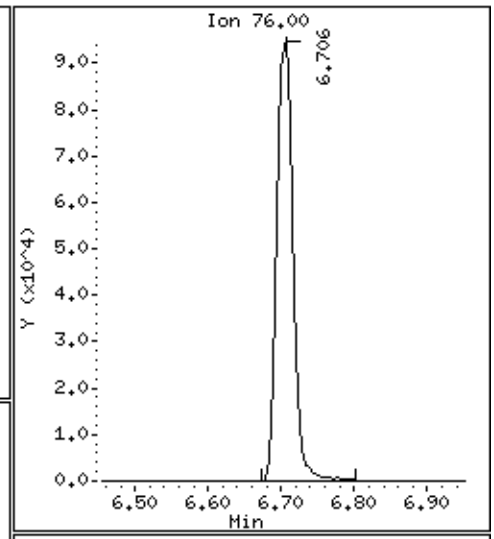
Review Code:

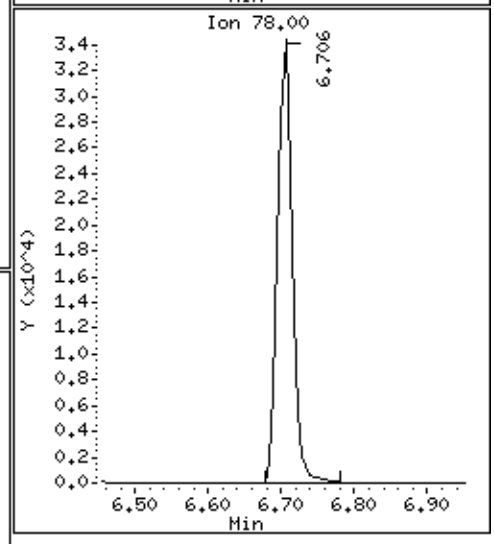












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

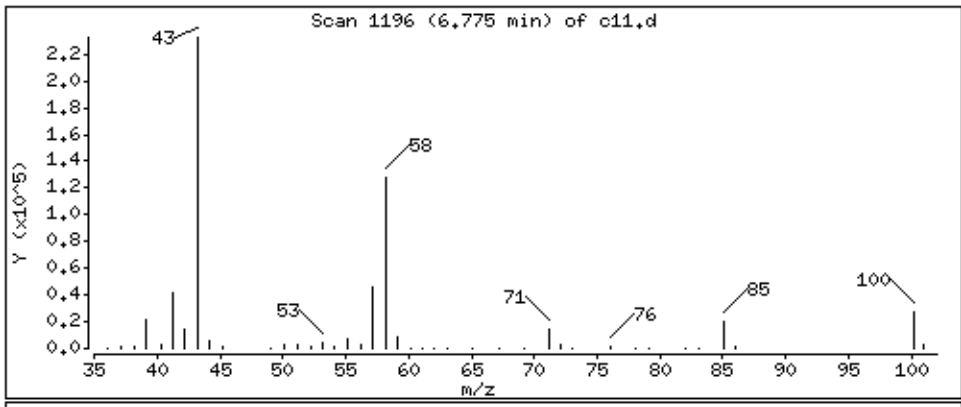
Column phase: DB-624

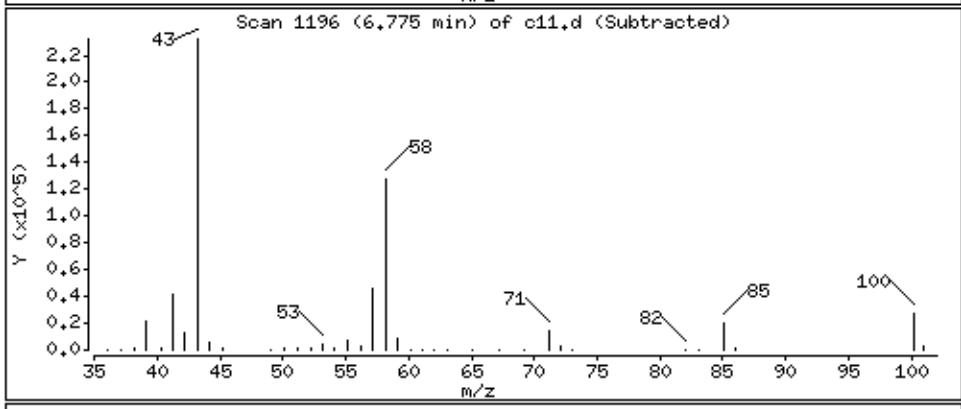
Column diameter: 0.18

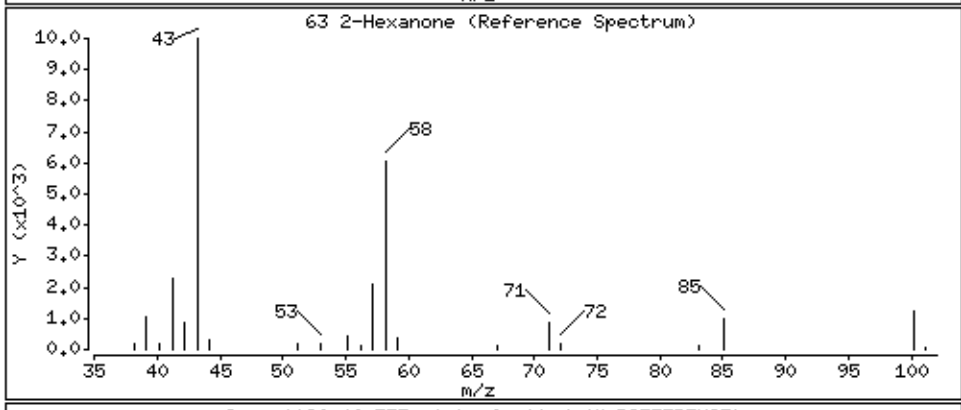
63 2-Hexanone

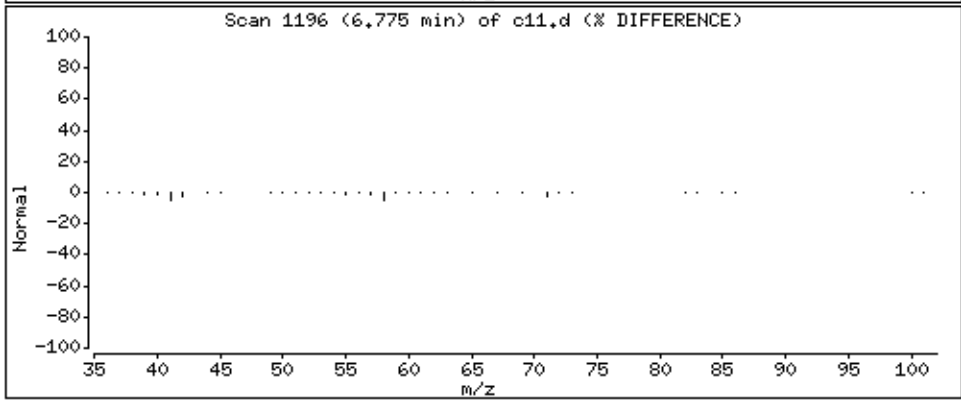
Concentration: 289 ppb

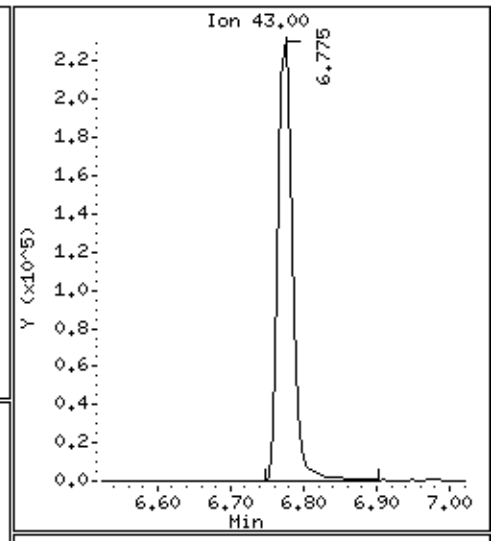
Review Code:

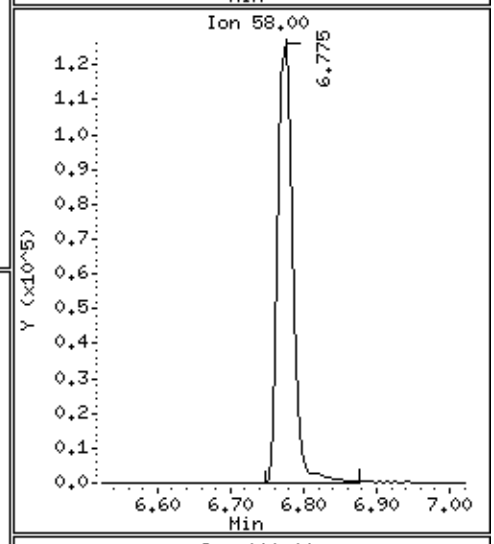


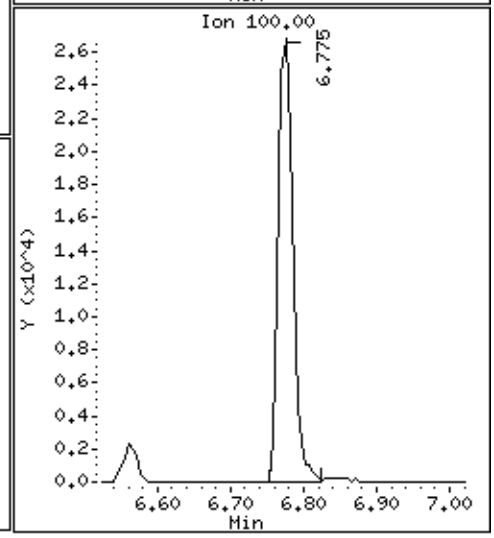












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

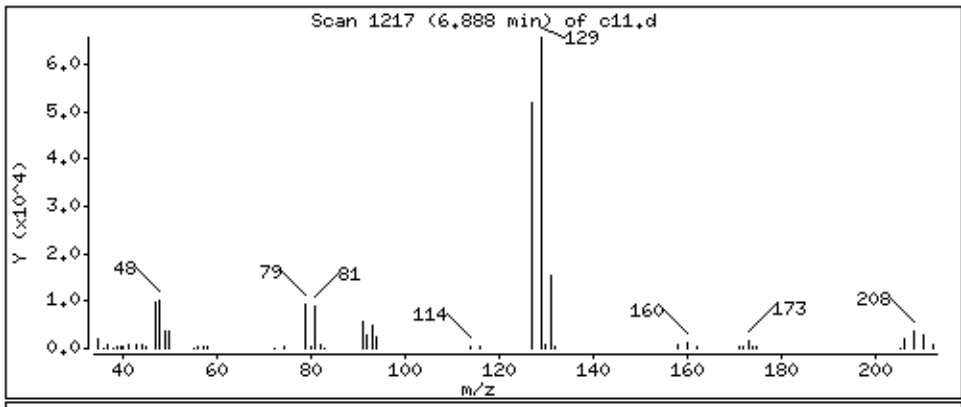
Column phase: DB-624

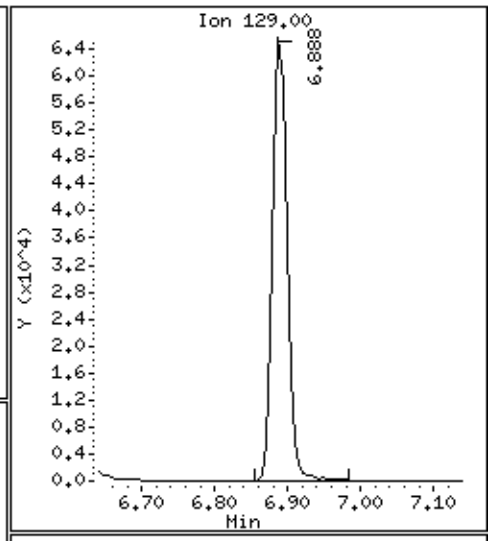
Column diameter: 0.18

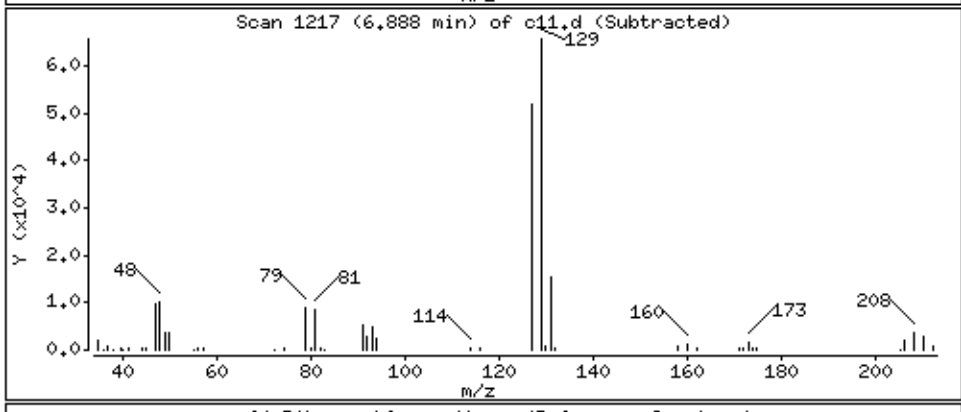
64 Dibromochloromethane

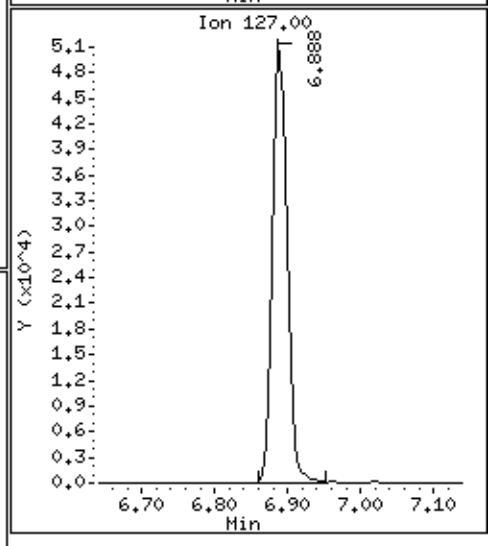
Concentration: 44.1 ppb

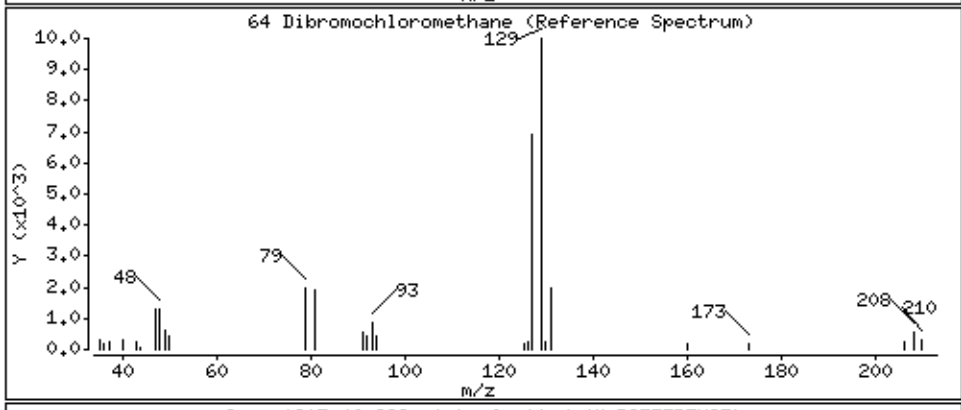
Review Code:

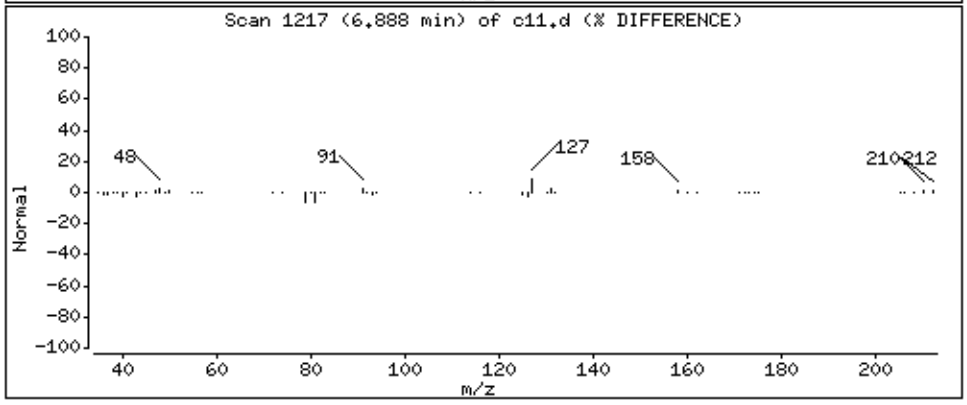












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

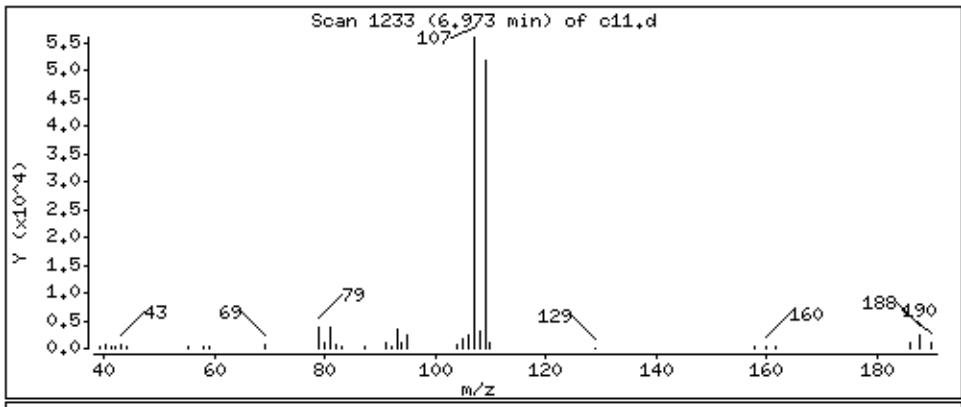
Column phase: DB-624

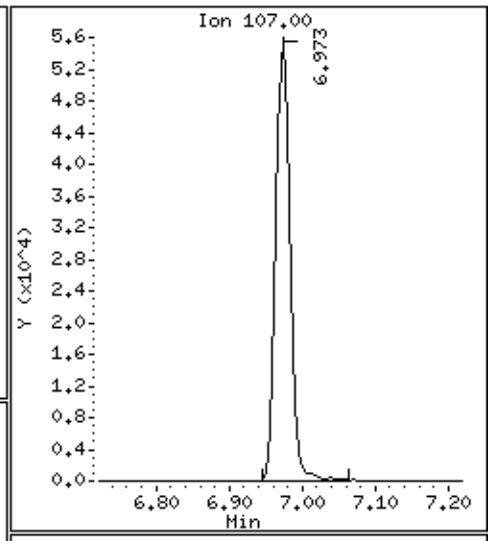
Column diameter: 0.18

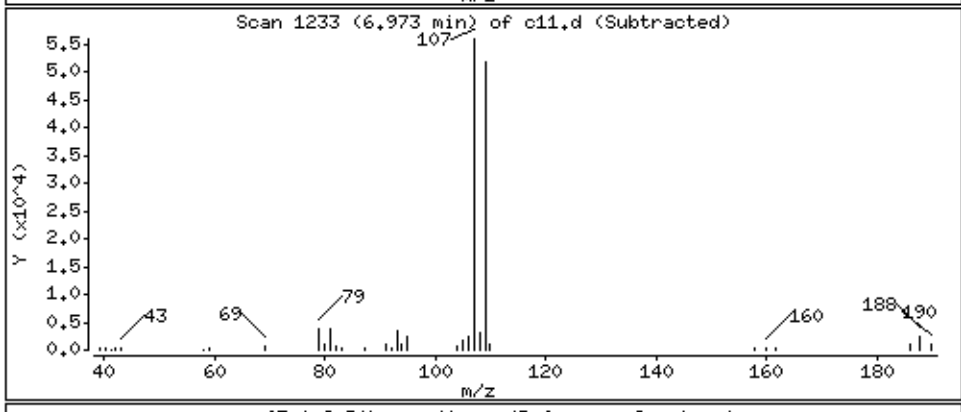
65 1,2-Dibromoethane

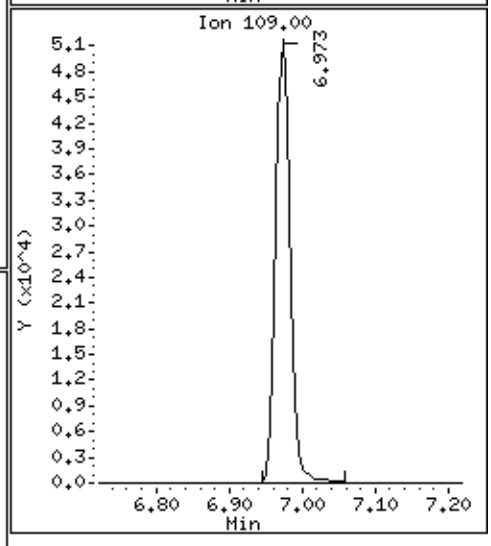
Concentration: 47.7 ppb

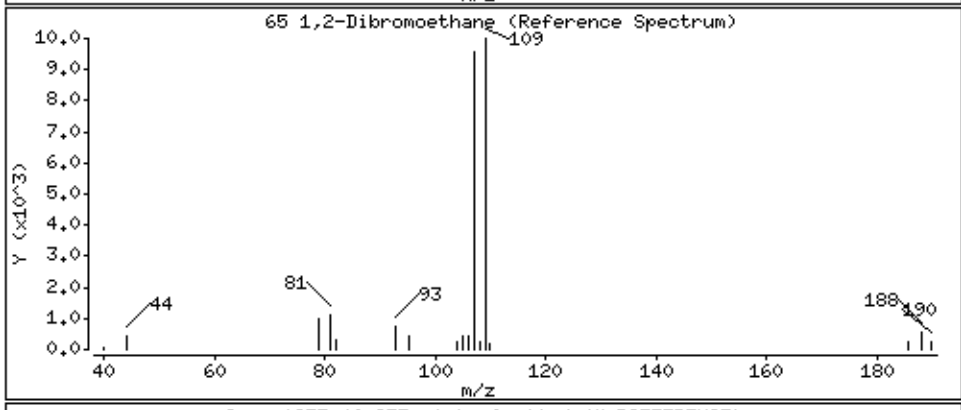
Review Code:

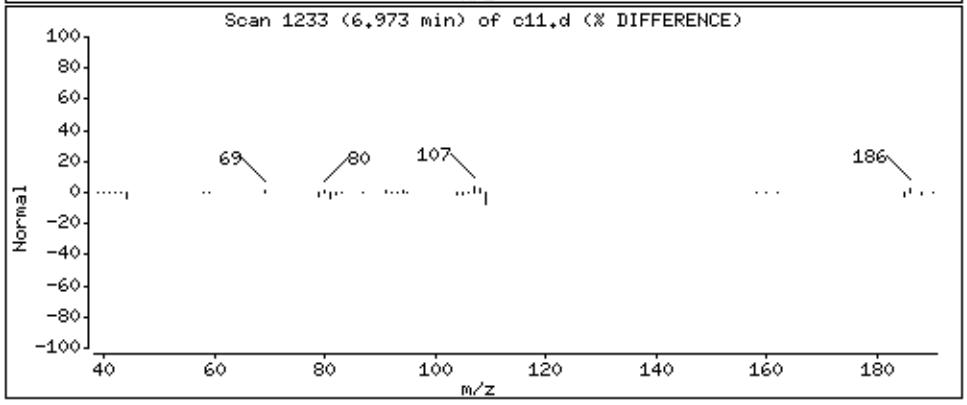












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

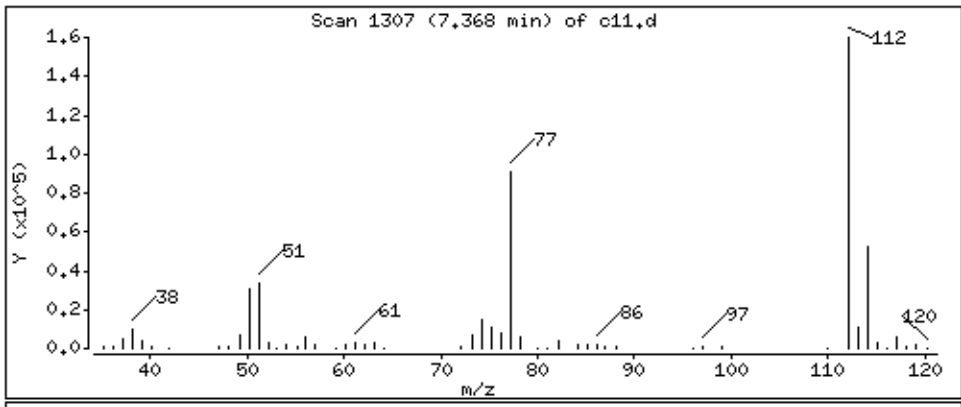
Column phase: DB-624

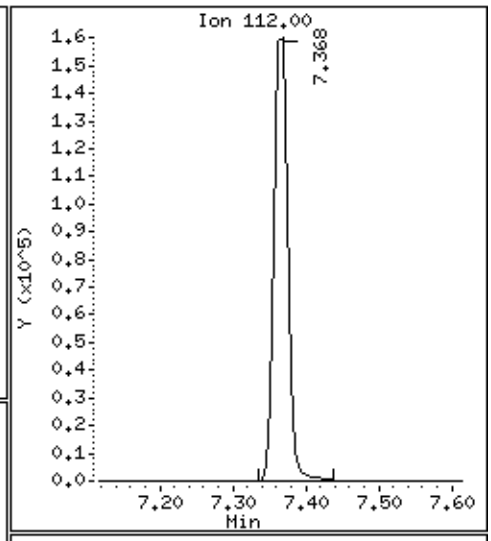
Column diameter: 0.18

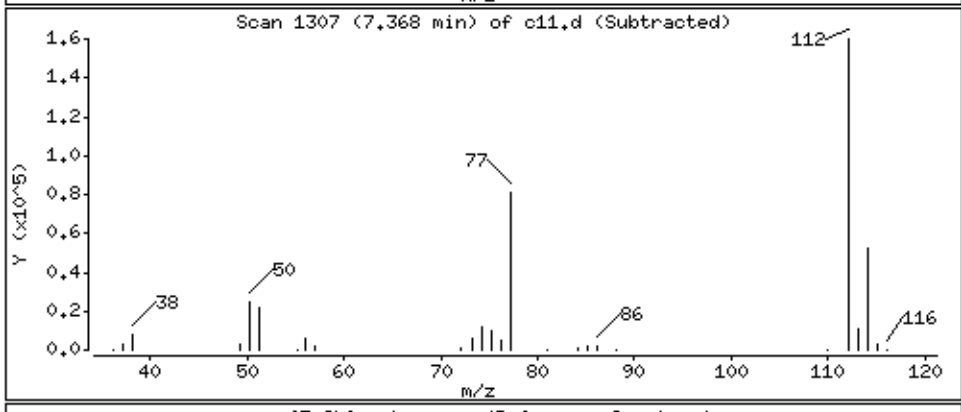
67 Chlorobenzene

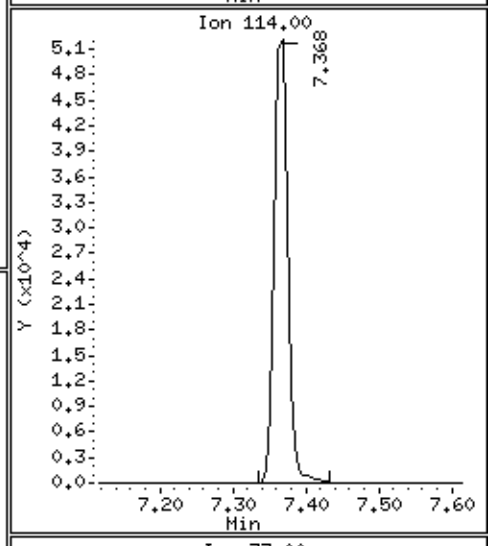
Concentration: 30.1 ppb

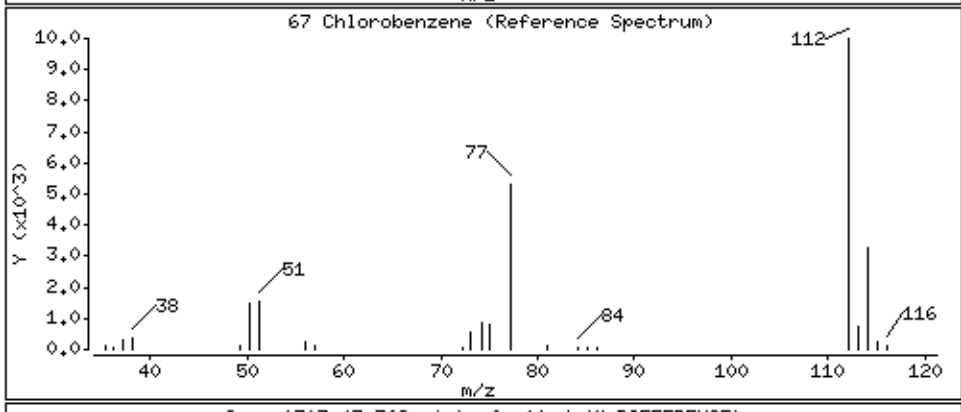
Review Code:

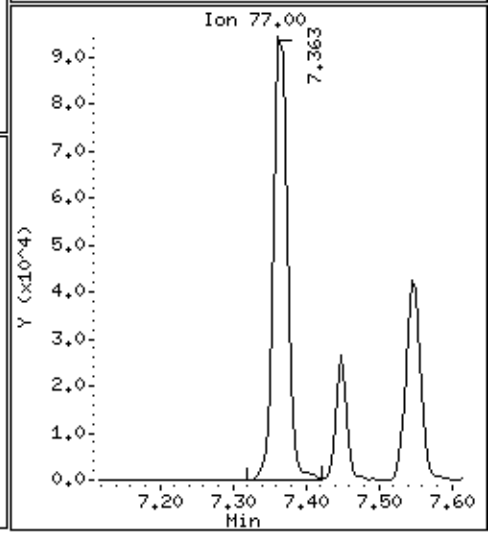


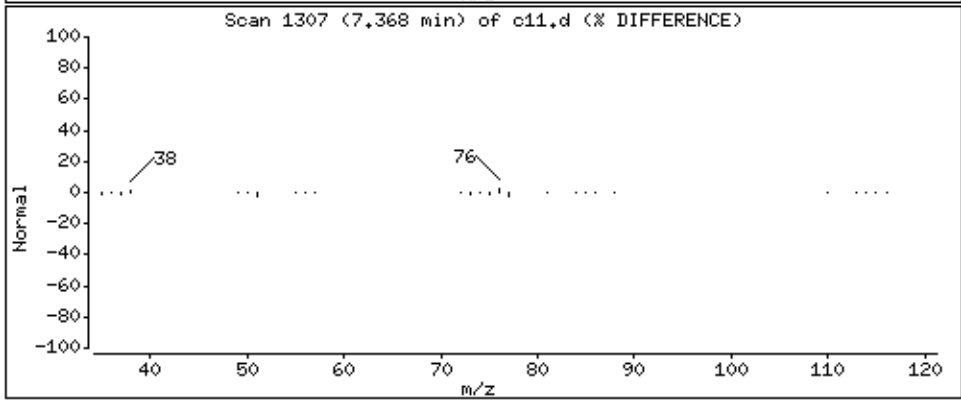












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

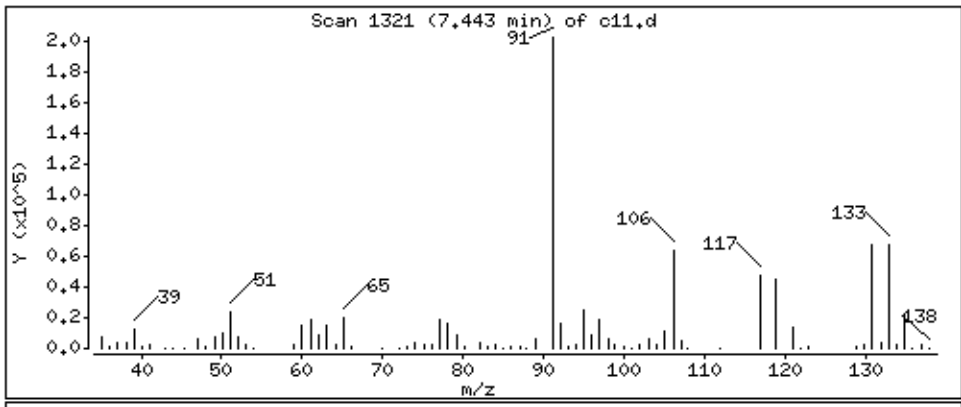
Column phase: DB-624

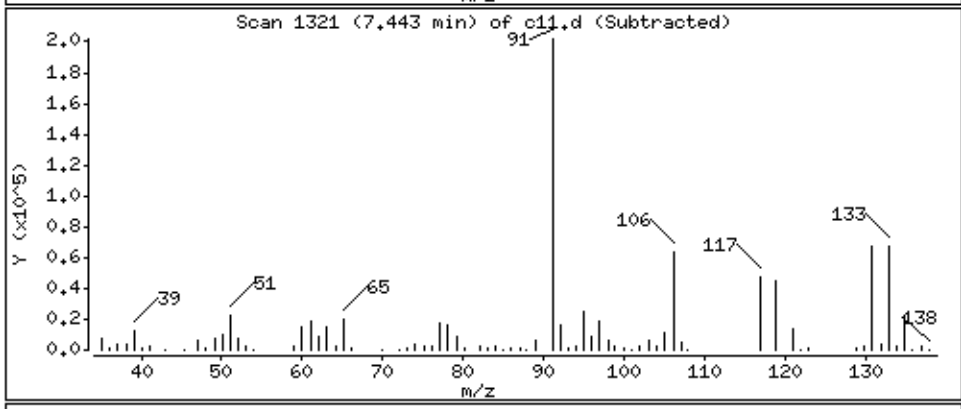
Column diameter: 0.18

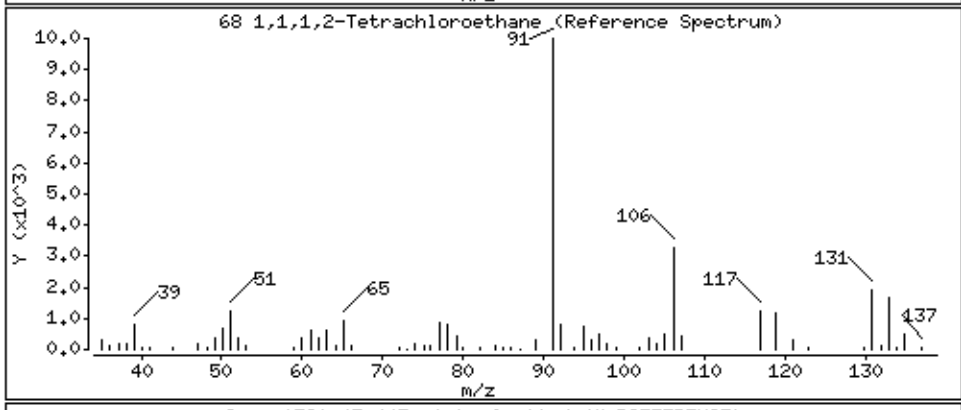
68 1,1,1,2-Tetrachloroethane

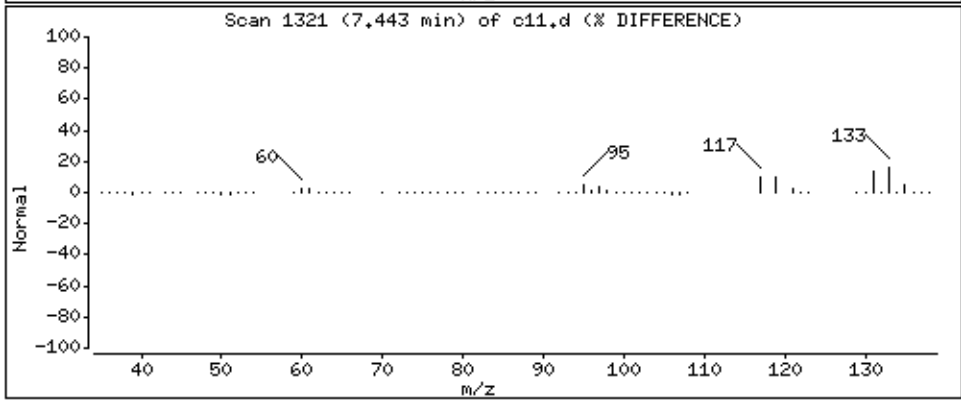
Concentration: 39.7 ppb

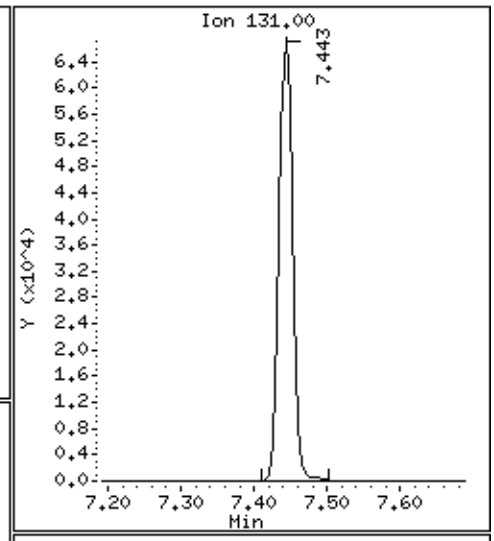
Review Code:

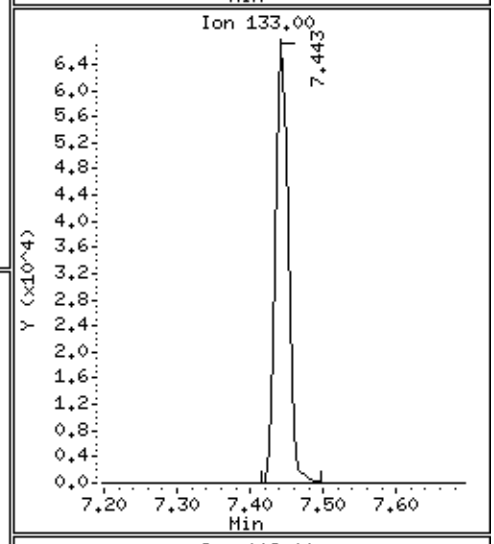


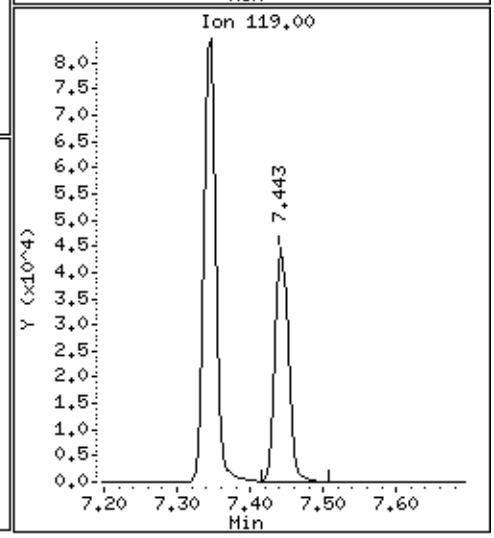












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

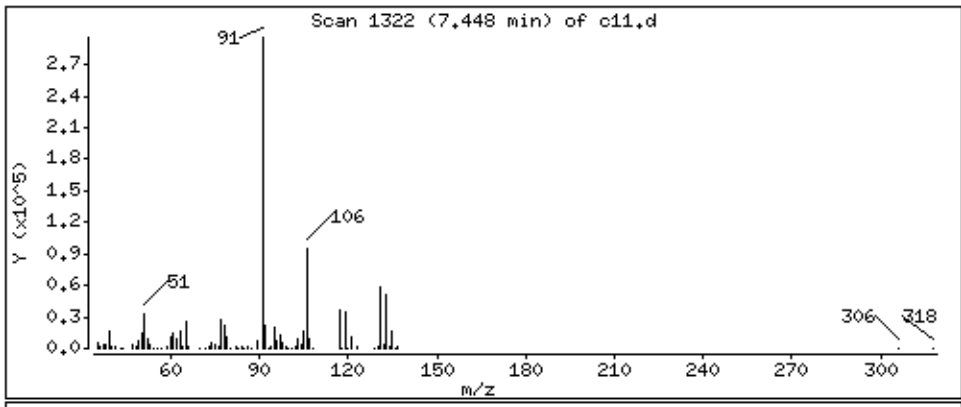
Column phase: DB-624

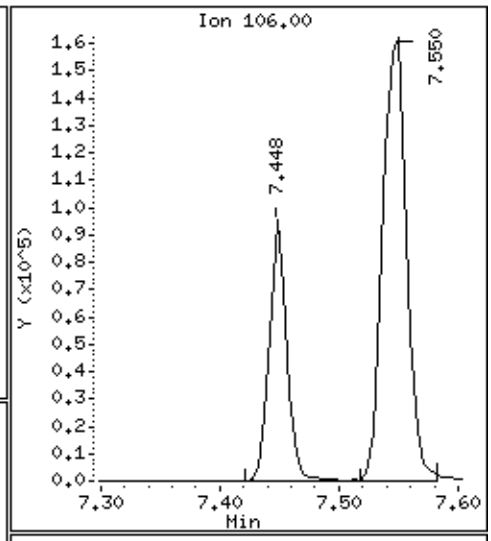
Column diameter: 0.18

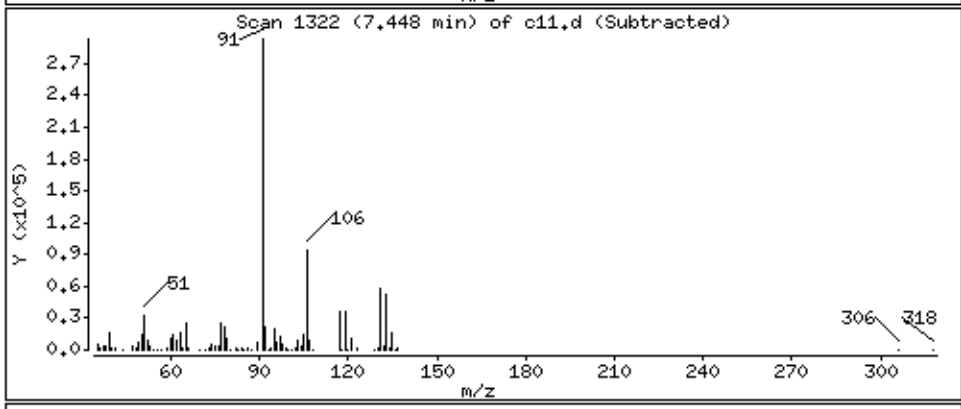
69 Ethylbenzene

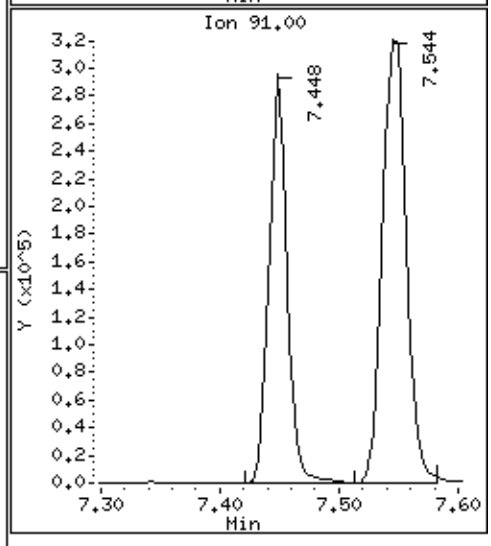
Concentration: 28.2 ppb

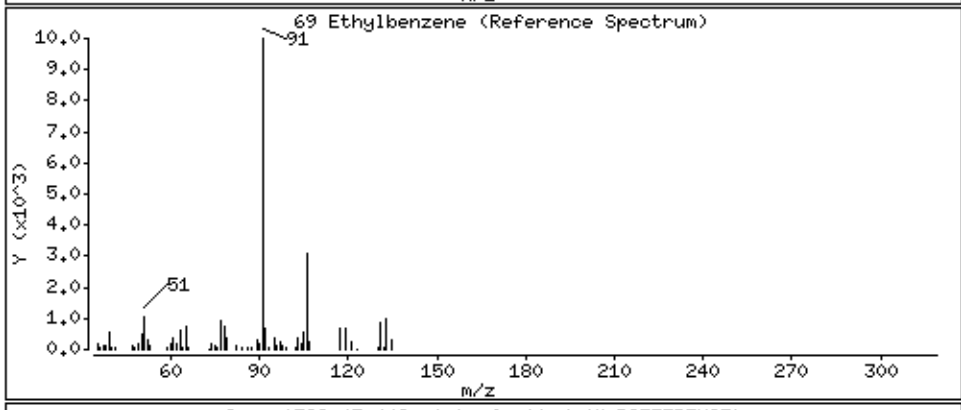
Review Code:

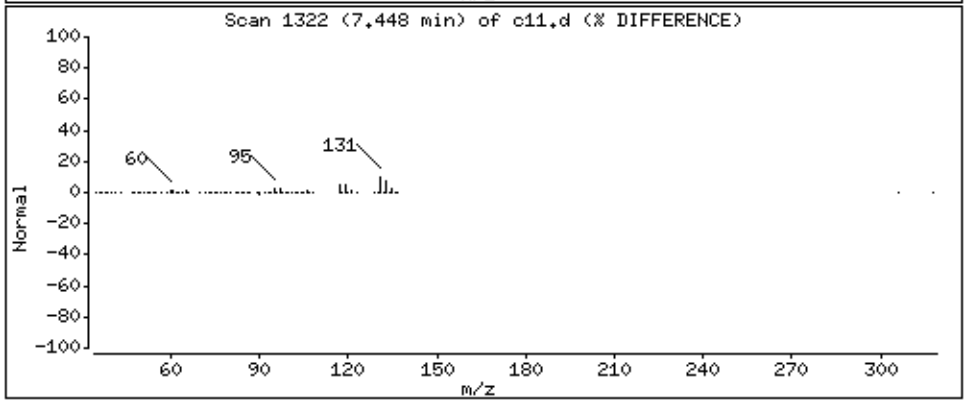












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

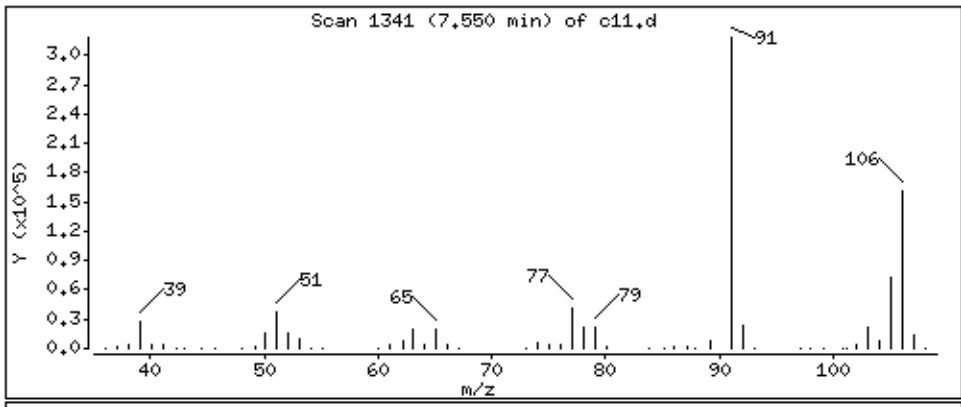
Column phase: DB-624

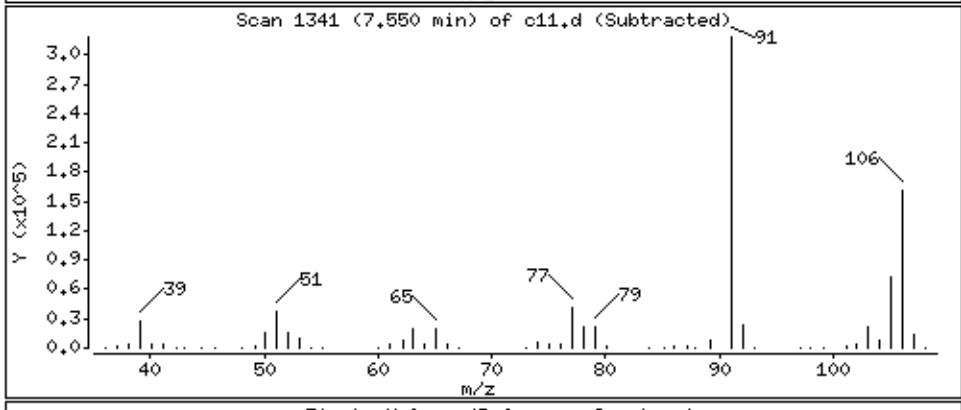
Column diameter: 0.18

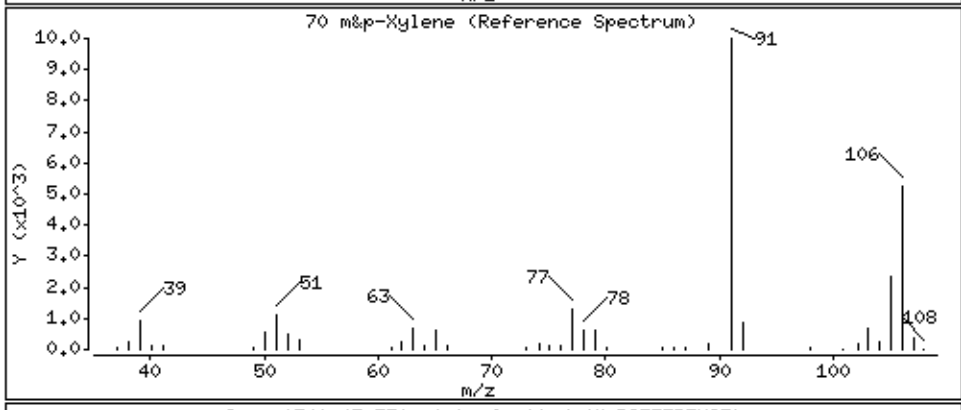
70 m&p-Xylene

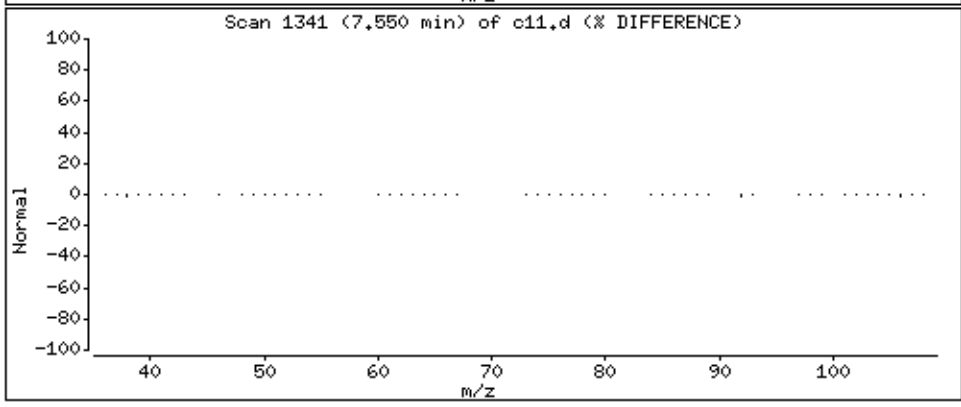
Concentration: 53.4 ppb

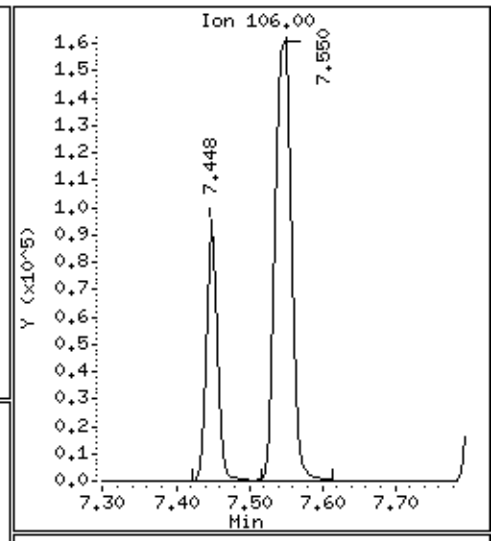
Review Code:

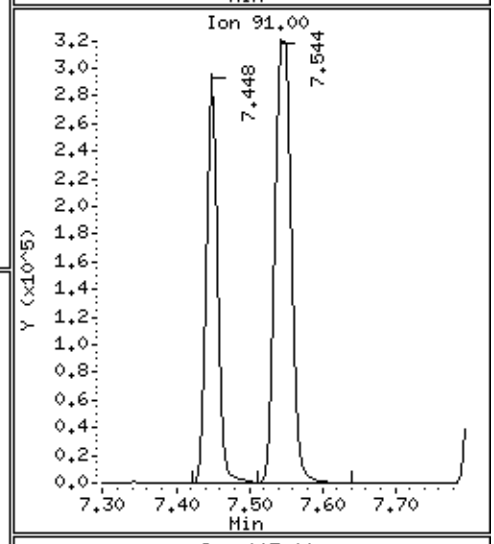


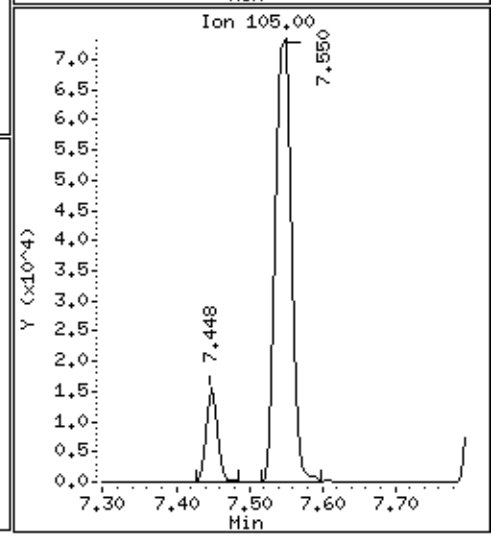












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

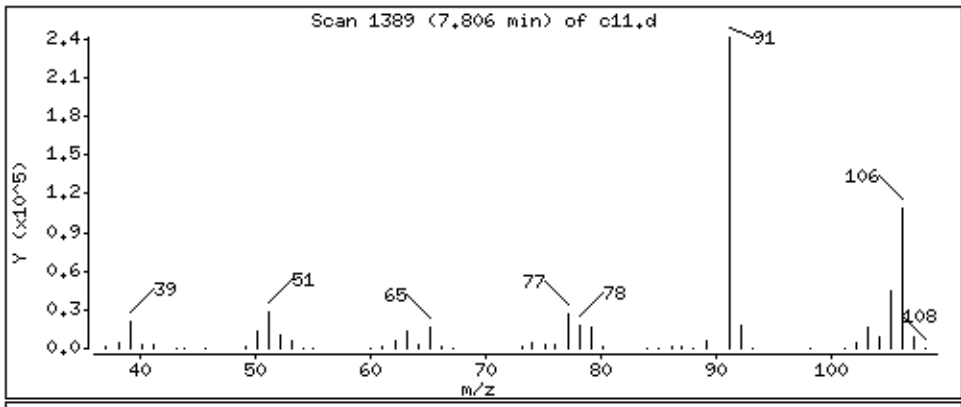
Column phase: DB-624

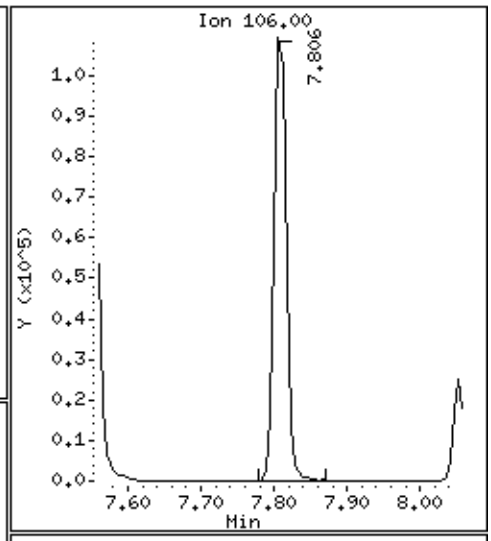
Column diameter: 0.18

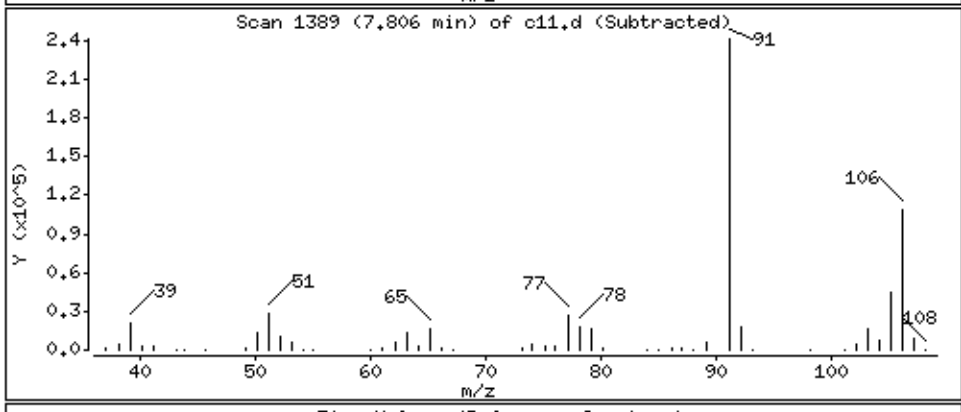
71 o-Xylene

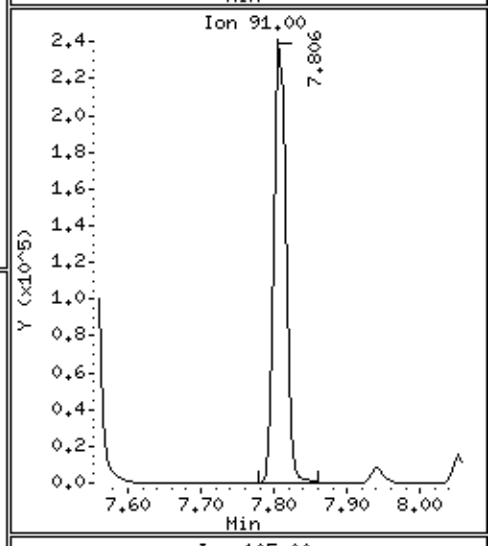
Concentration: 28.9 ppb

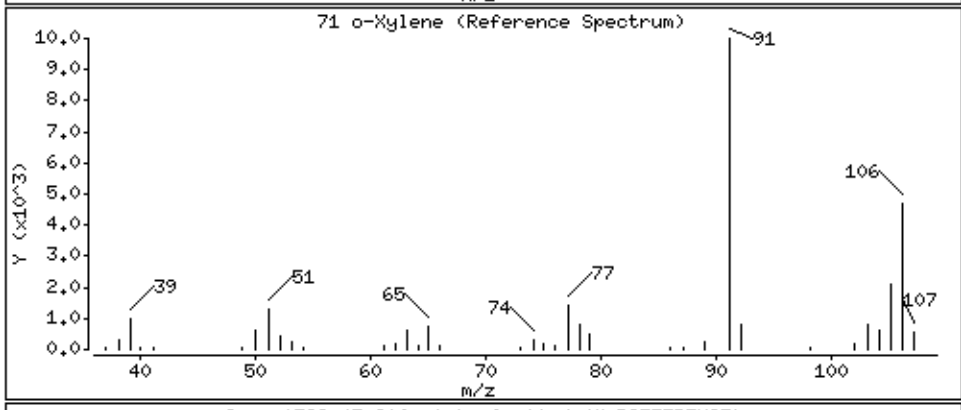
Review Code:

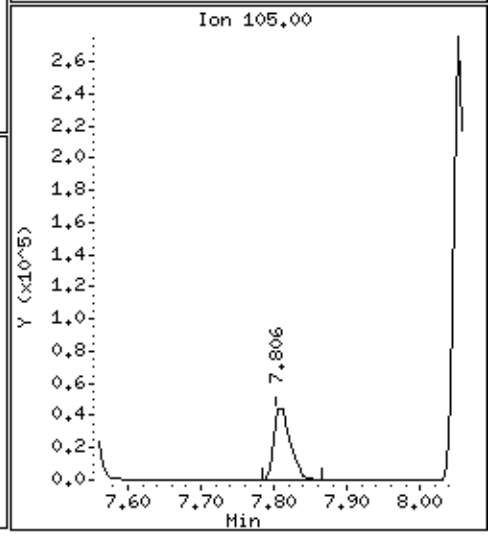


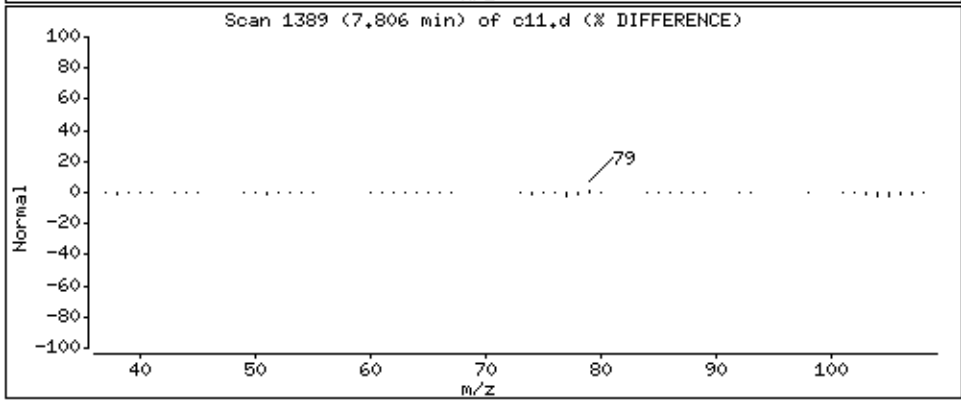












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

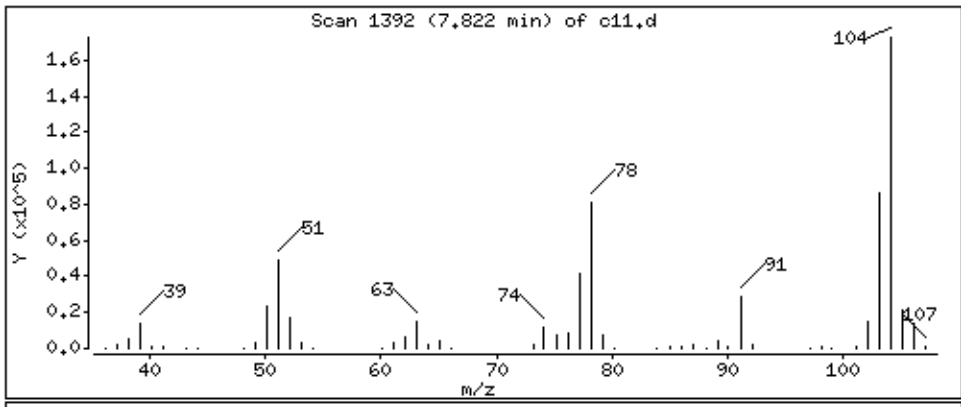
Column phase: DB-624

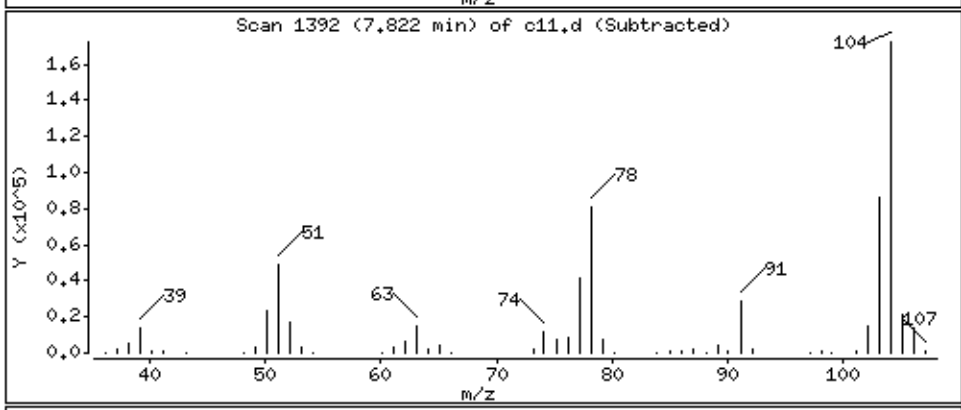
Column diameter: 0.18

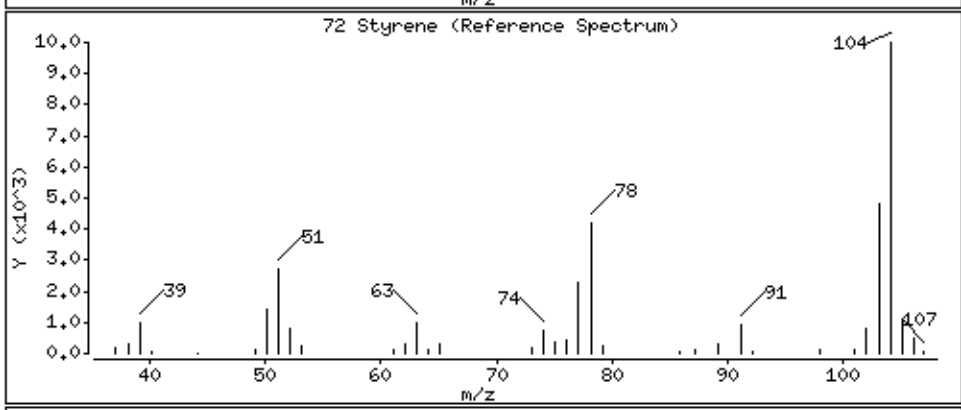
72 Styrene

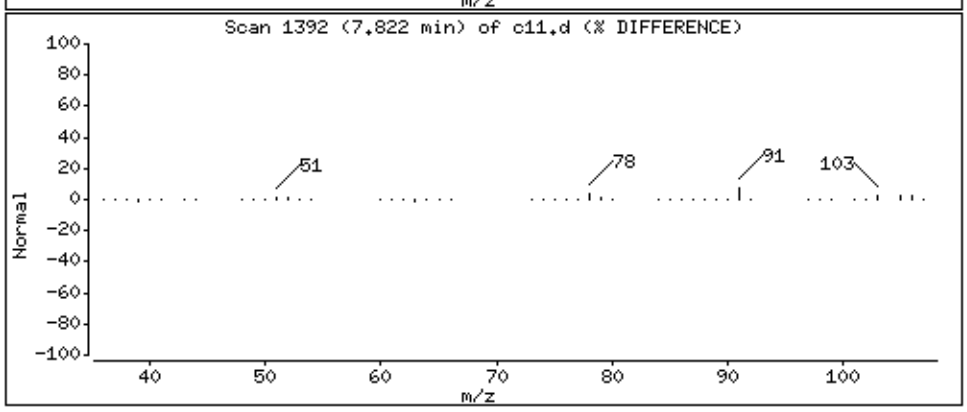
Concentration: 30.2 ppb

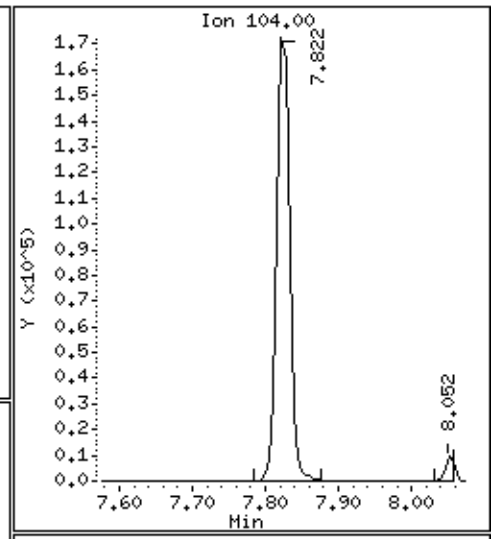
Review Code:

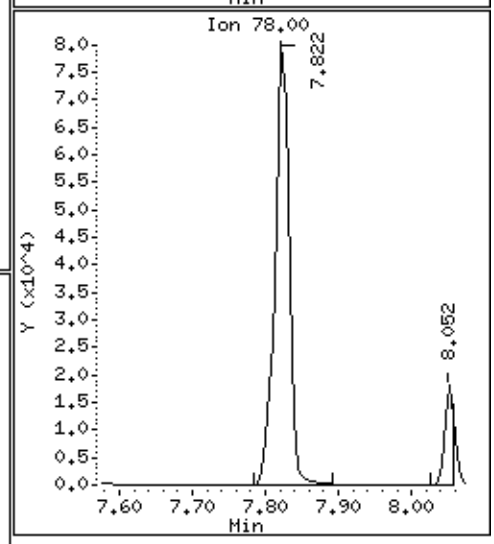












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

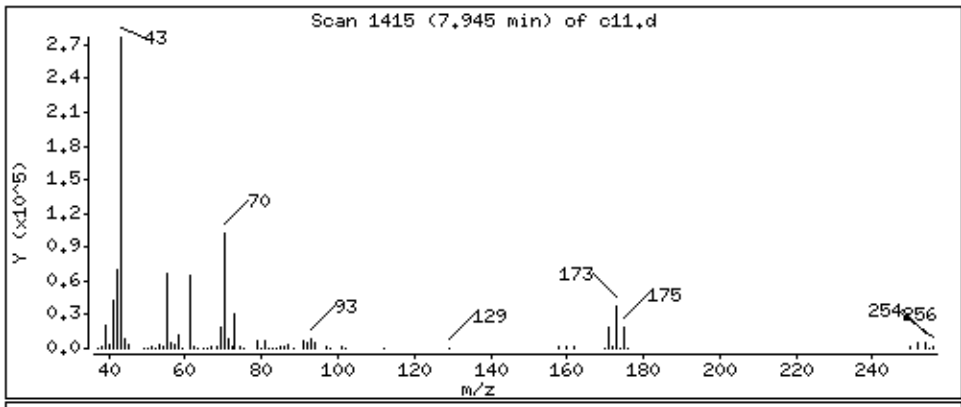
Column phase: DB-624

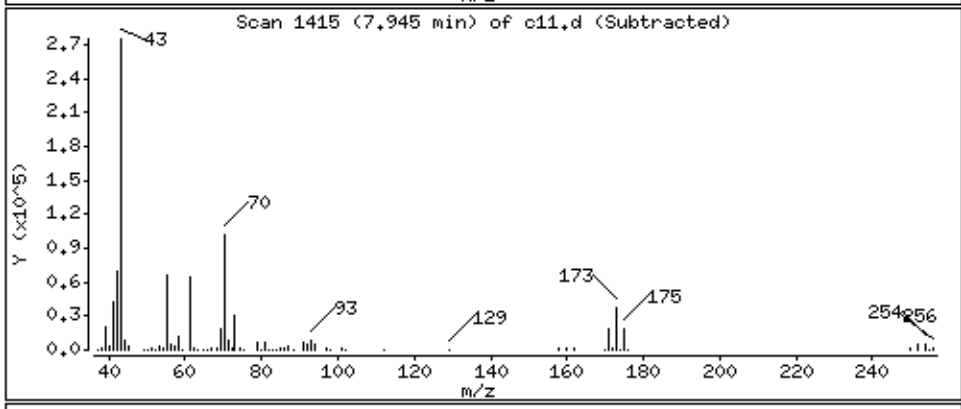
Column diameter: 0.18

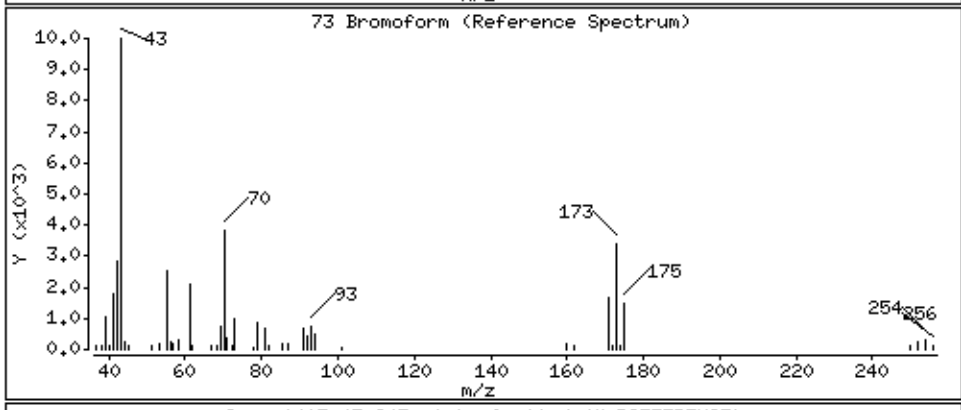
73 Bromoform

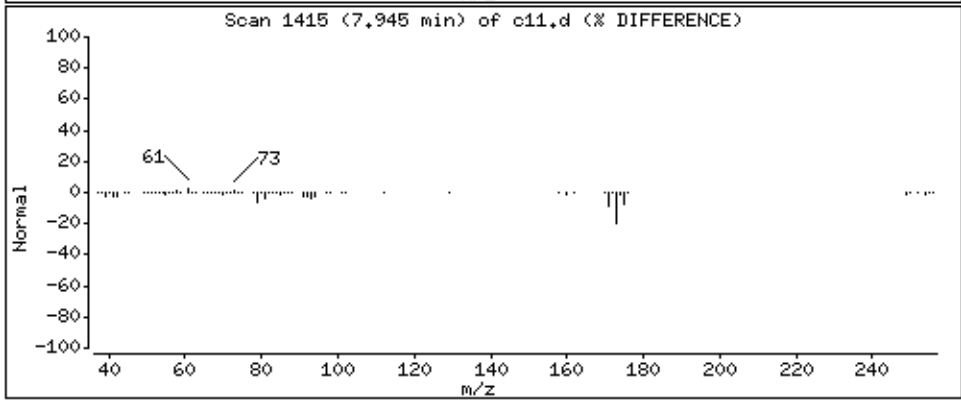
Concentration: 45.1 ppb

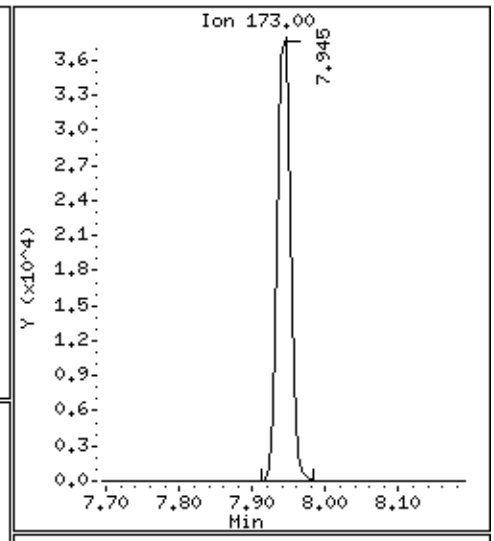
Review Code:

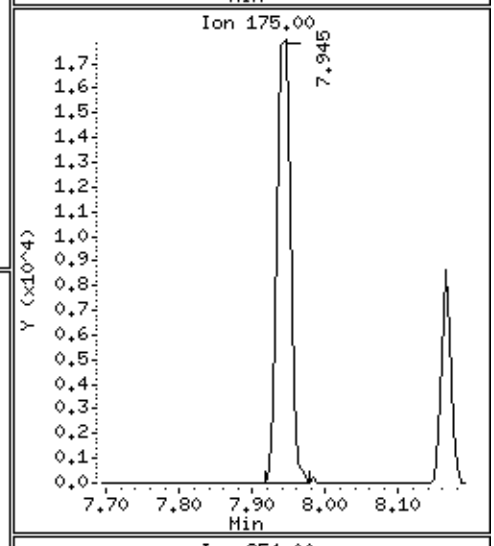


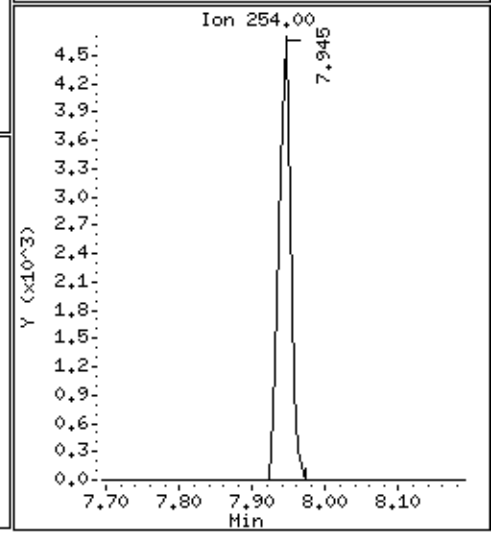












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

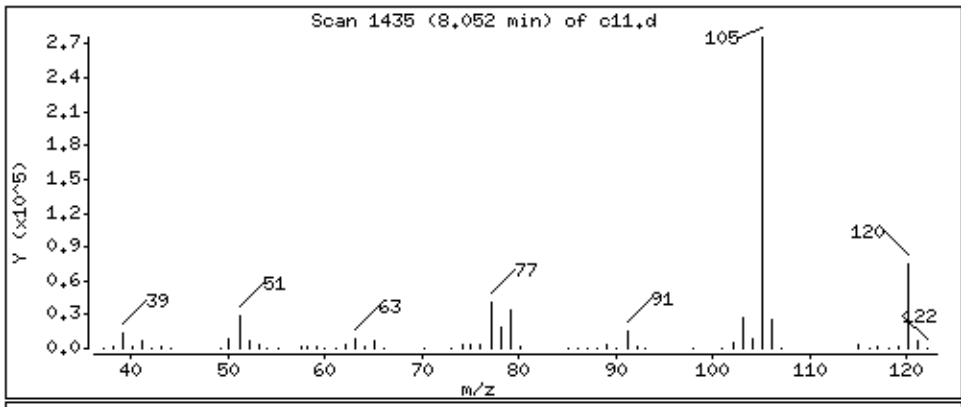
Column phase: DB-624

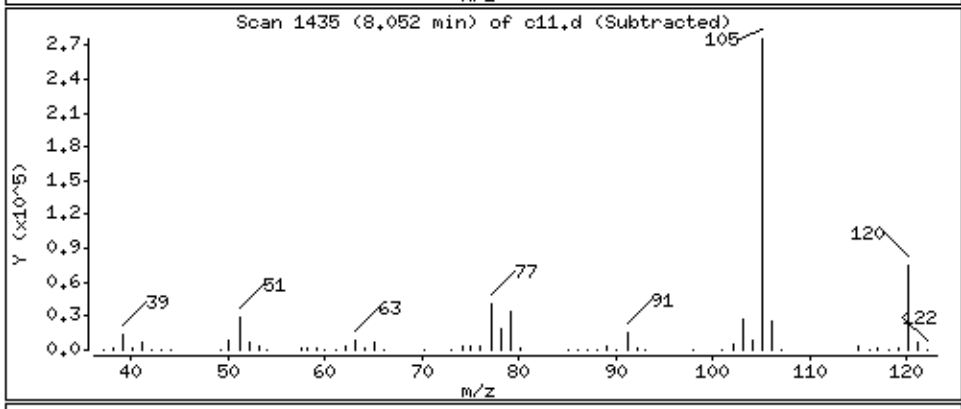
Column diameter: 0.18

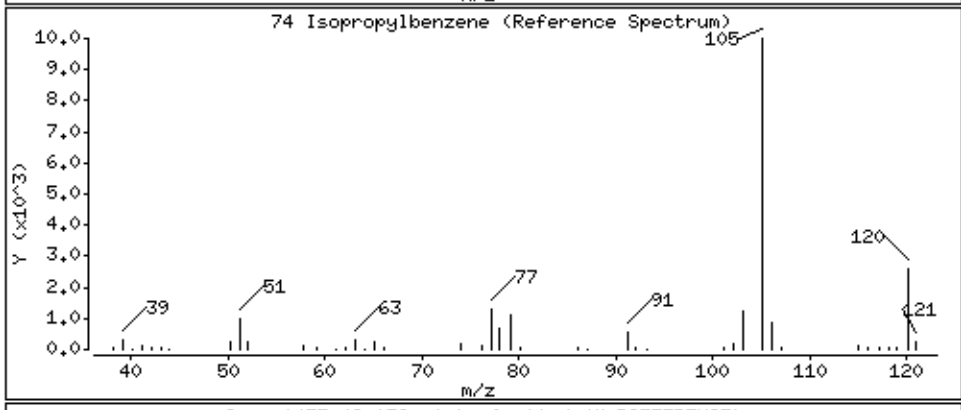
74 Isopropylbenzene

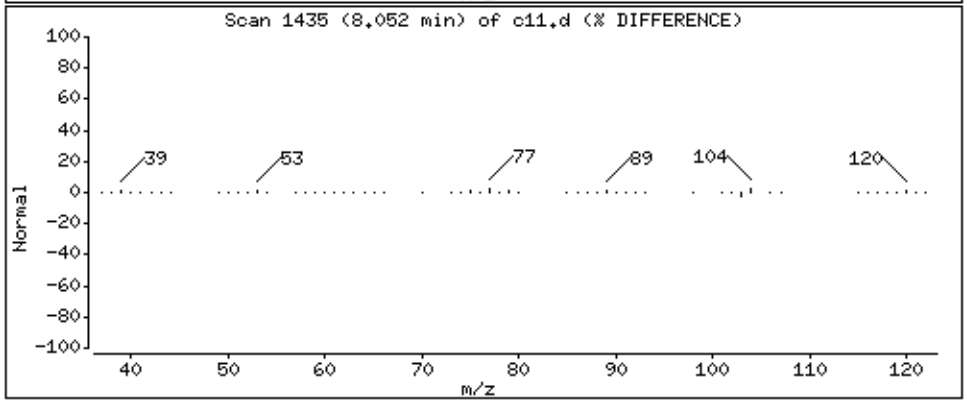
Concentration: 24.2 ppb

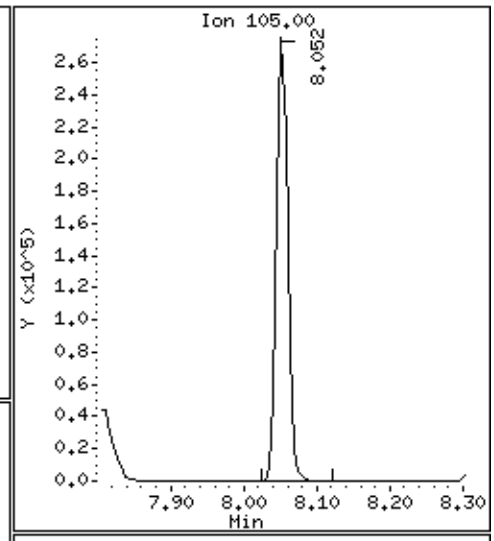
Review Code:

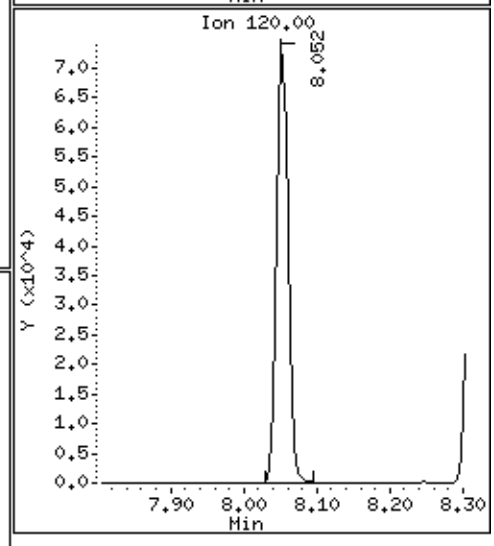












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

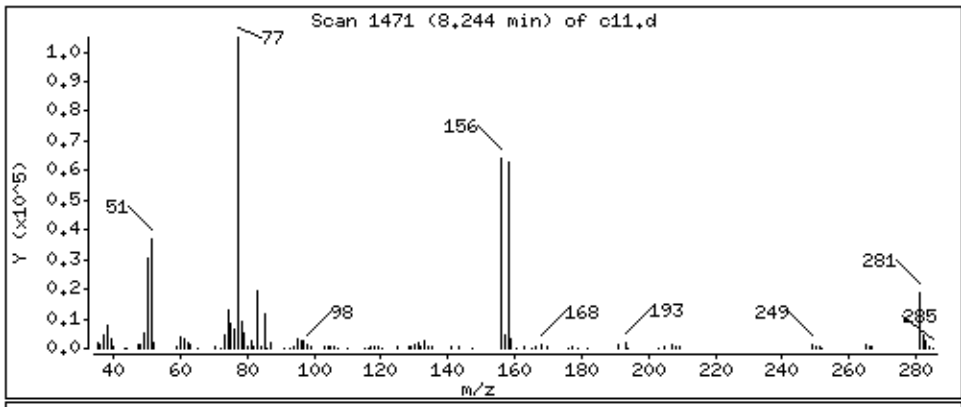
Column phase: DB-624

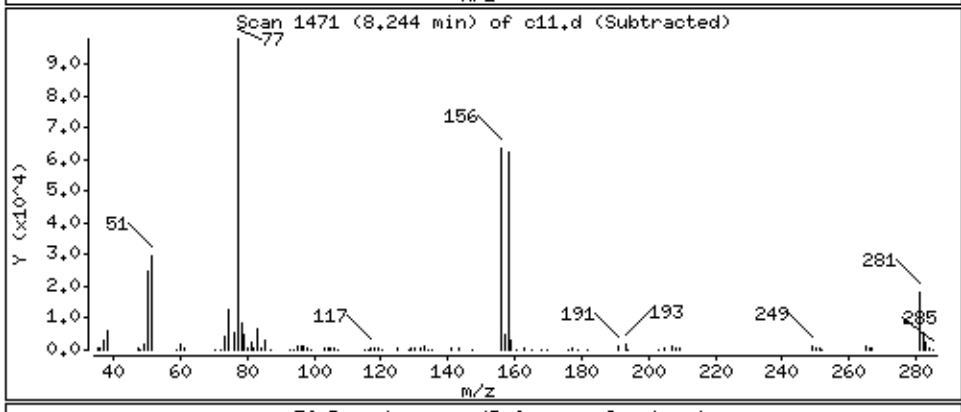
Column diameter: 0.18

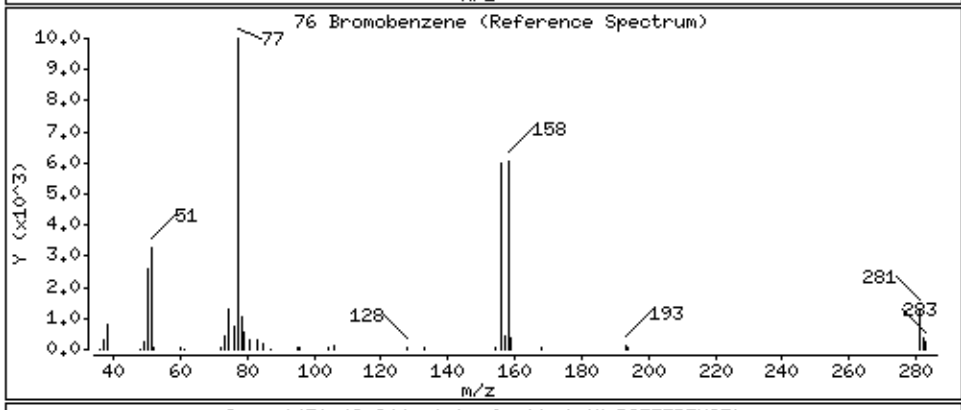
76 Bromobenzene

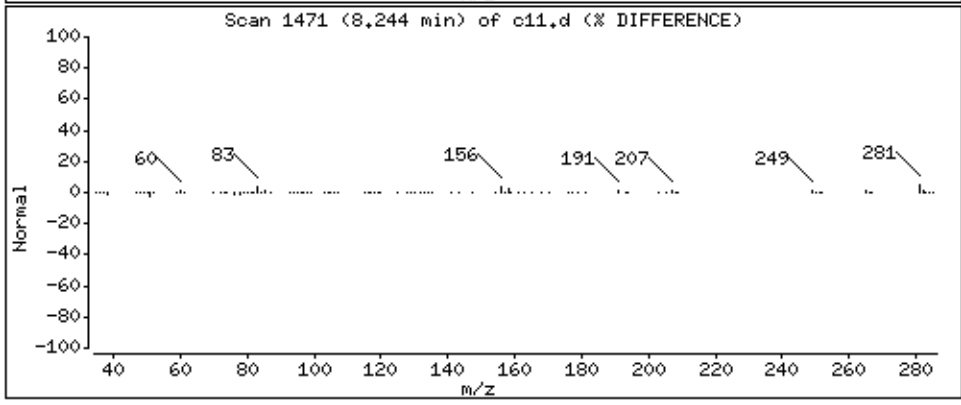
Concentration: 31.6 ppb

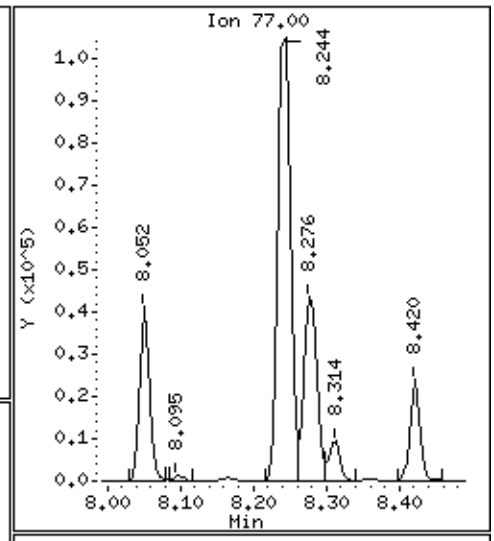
Review Code:

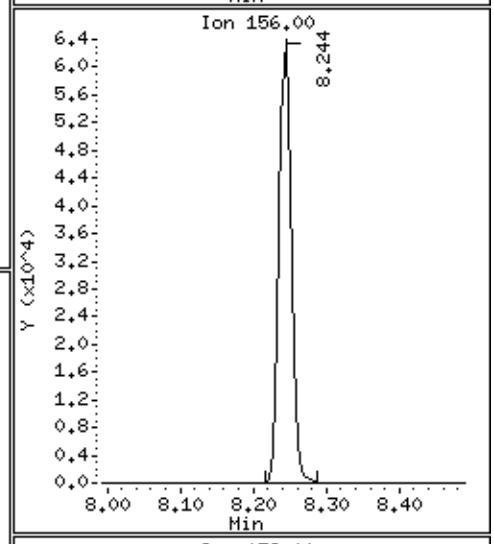


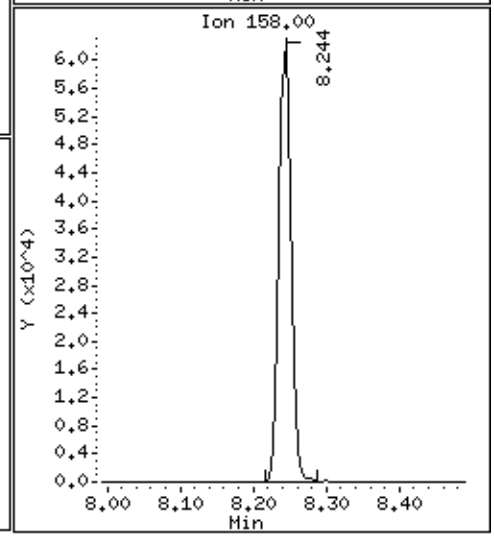












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

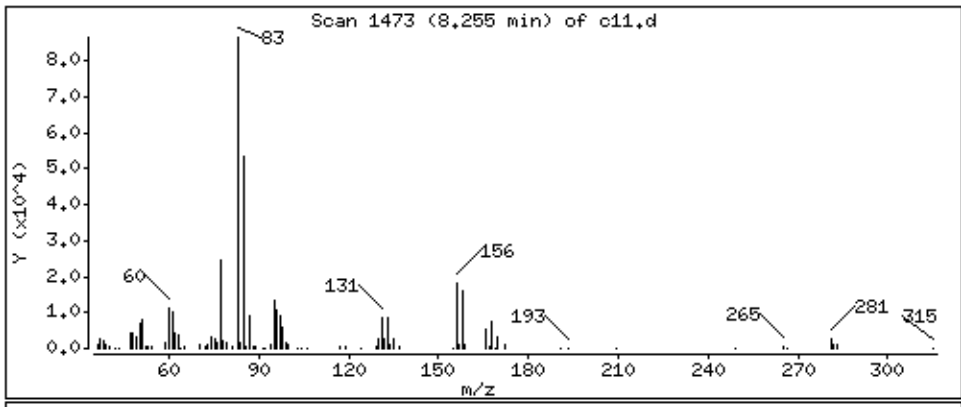
Column phase: DB-624

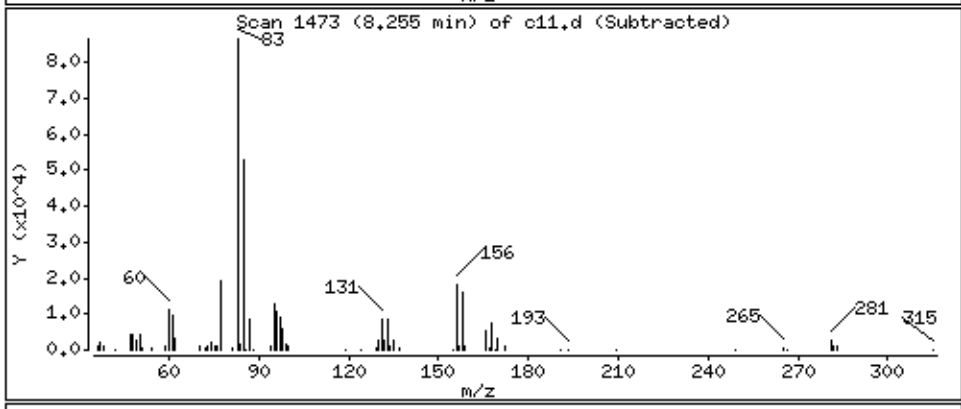
Column diameter: 0.18

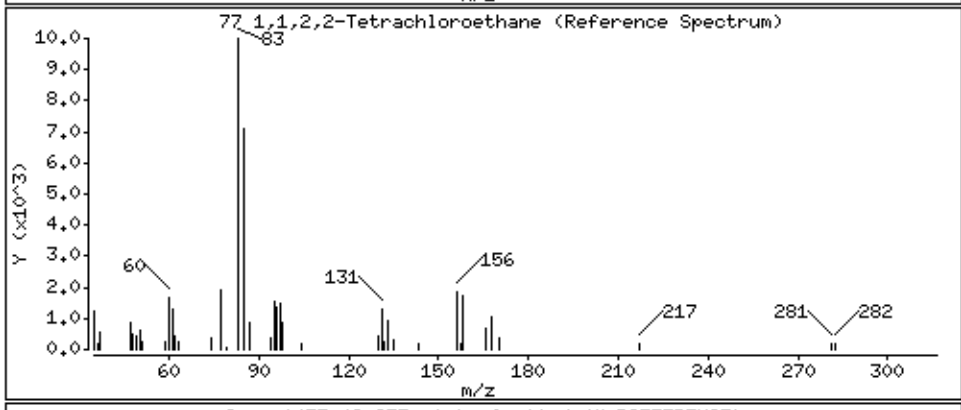
77 1,1,2,2-Tetrachloroethane

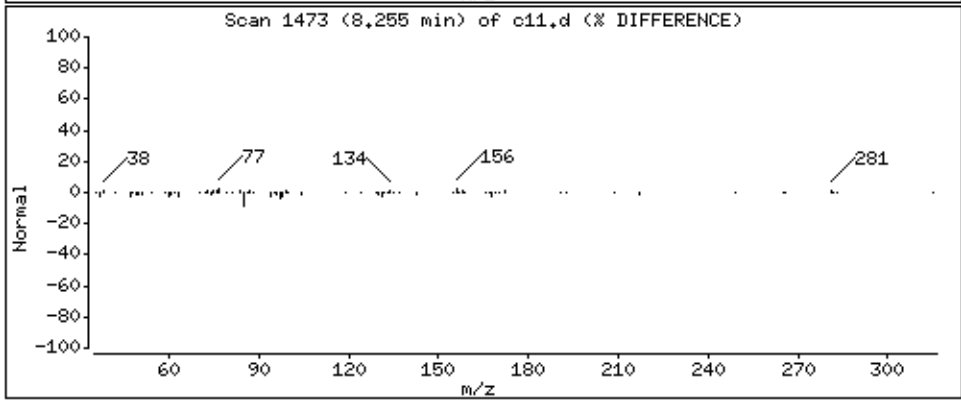
Concentration: 49.4 ppb

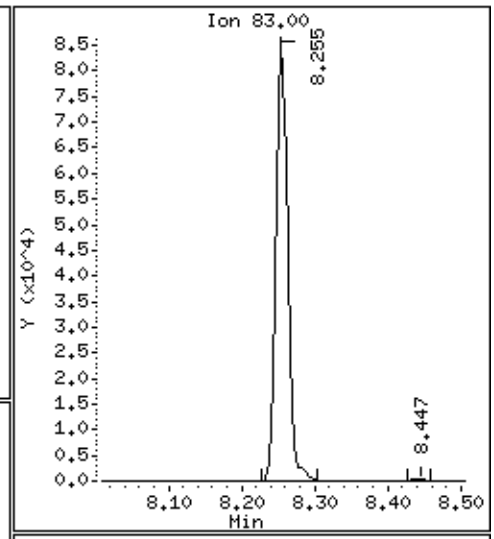
Review Code:

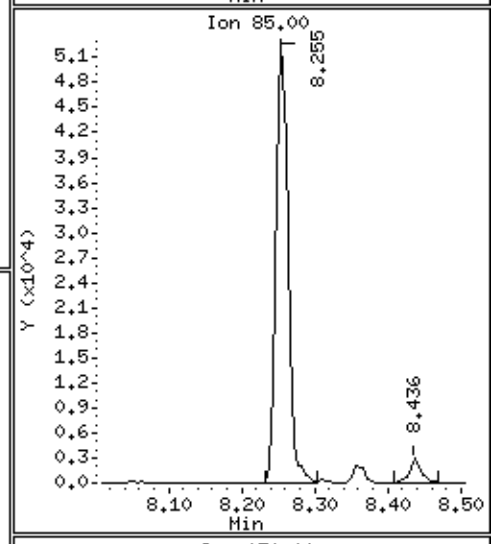


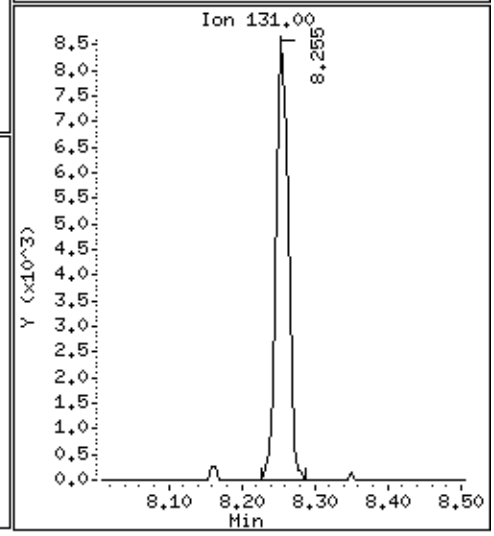












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

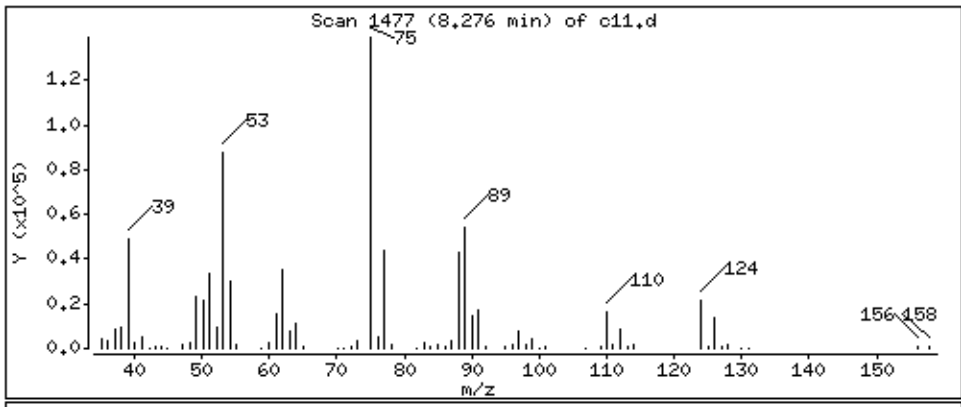
Column phase: DB-624

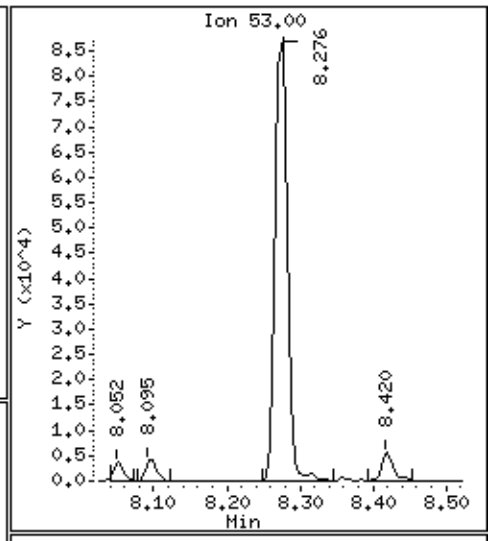
Column diameter: 0.18

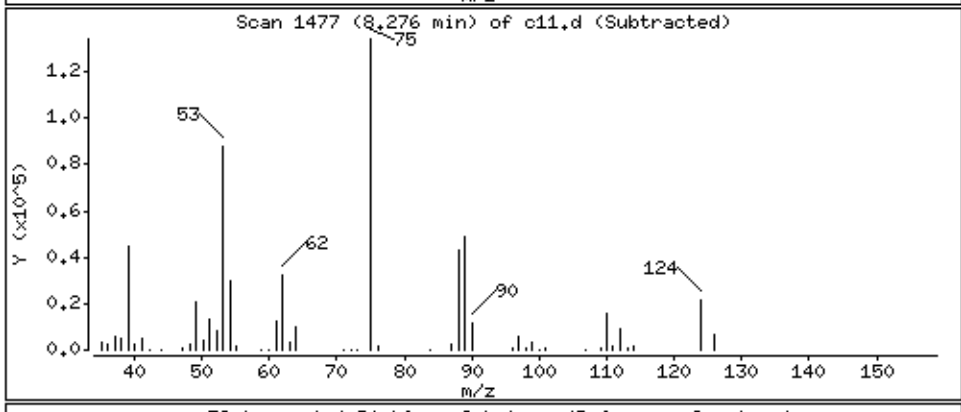
78 trans-1,4-Dichloro-2-butene

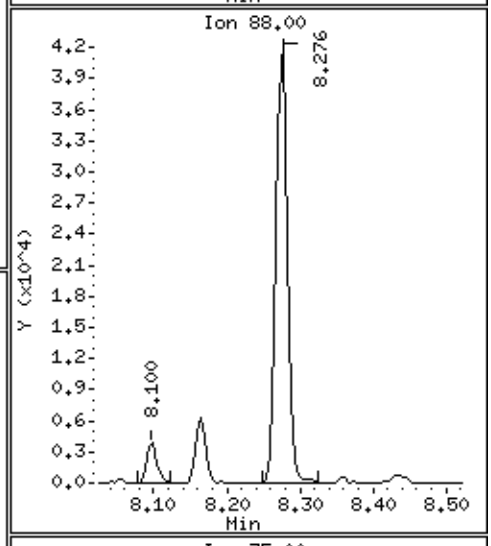
Concentration: 183 ppb

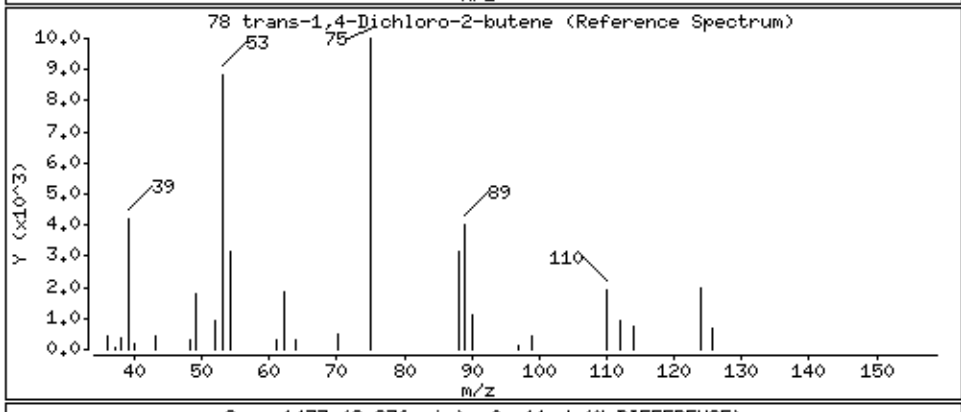
Review Code:

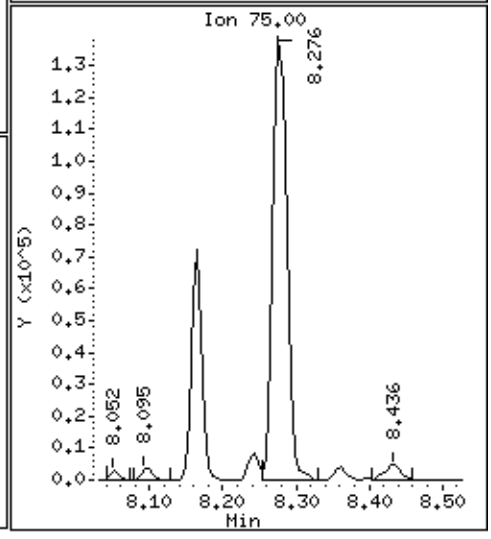


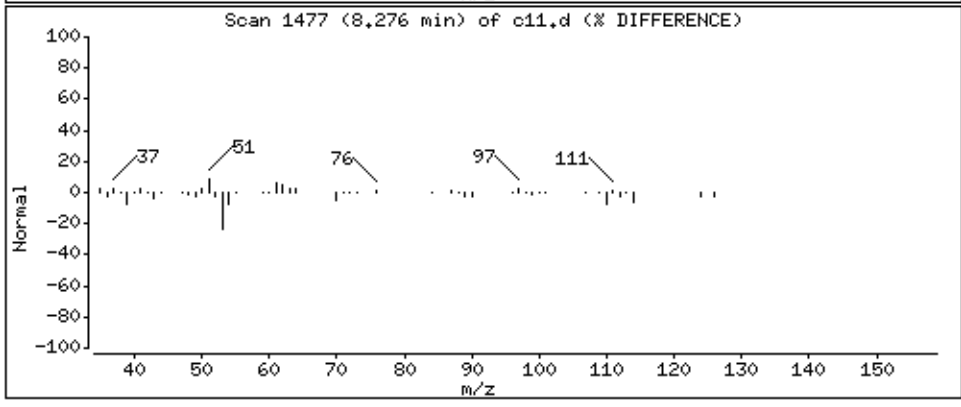












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

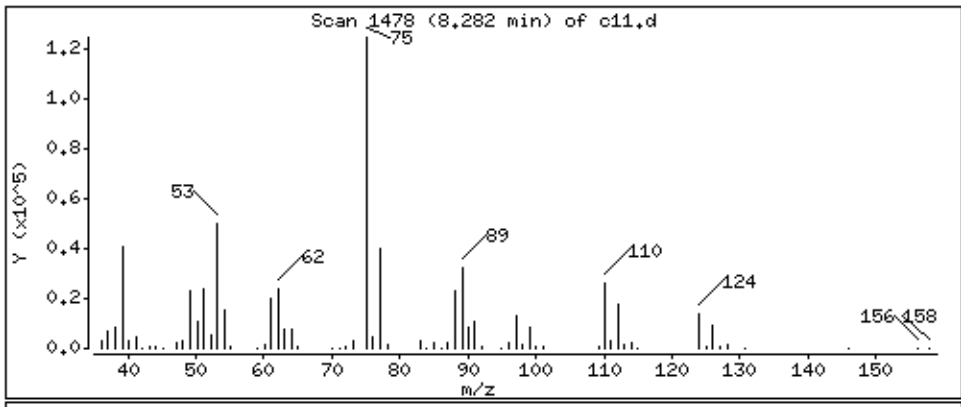
Column phase: DB-624

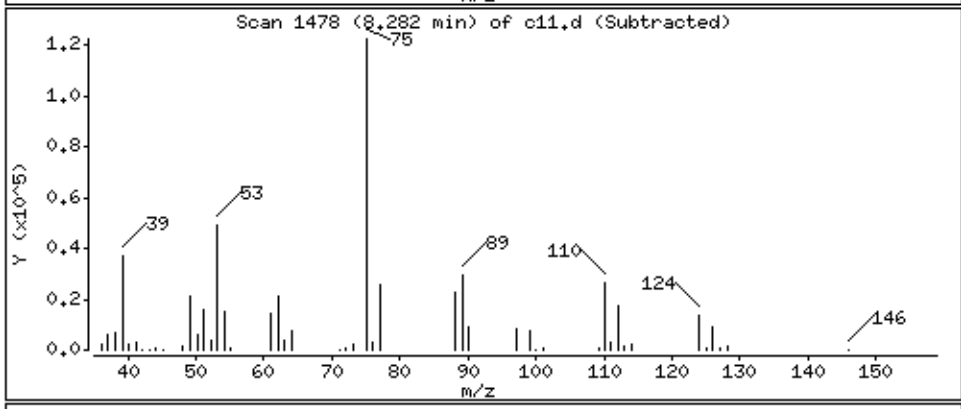
Column diameter: 0.18

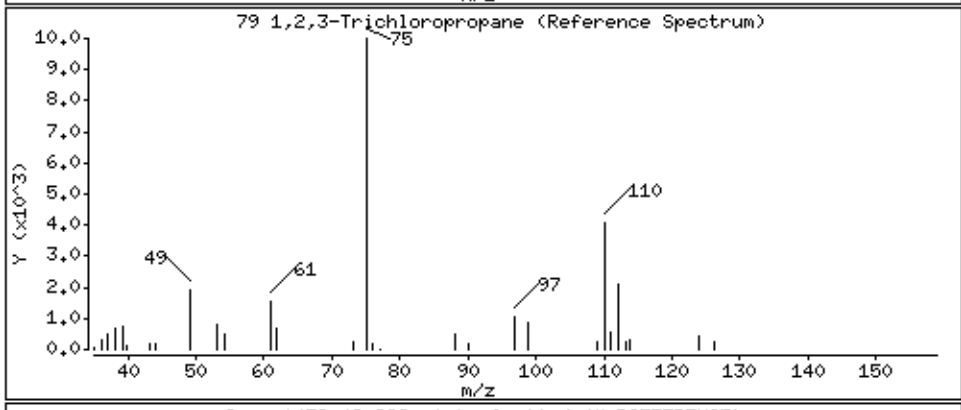
79 1,2,3-Trichloropropane

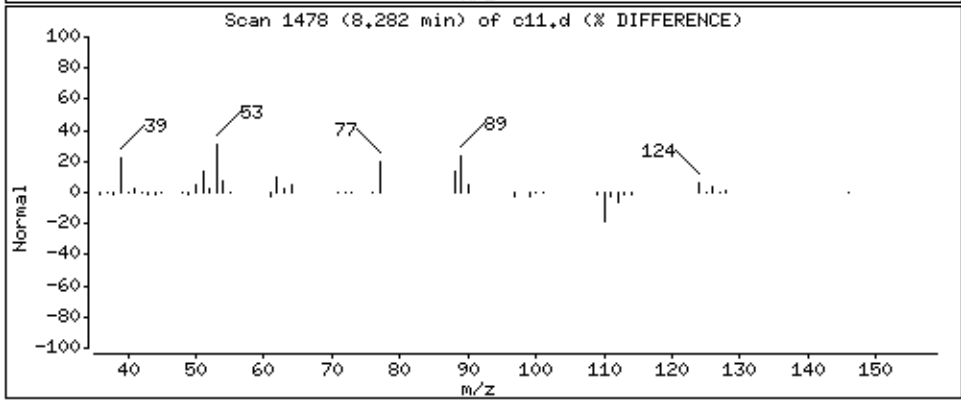
Concentration: 48.2 ppb

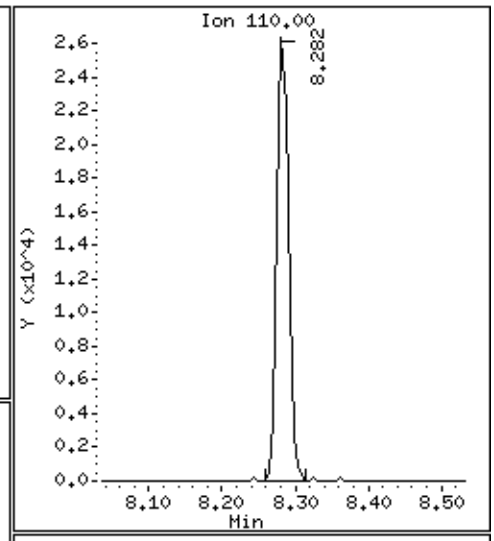
Review Code:

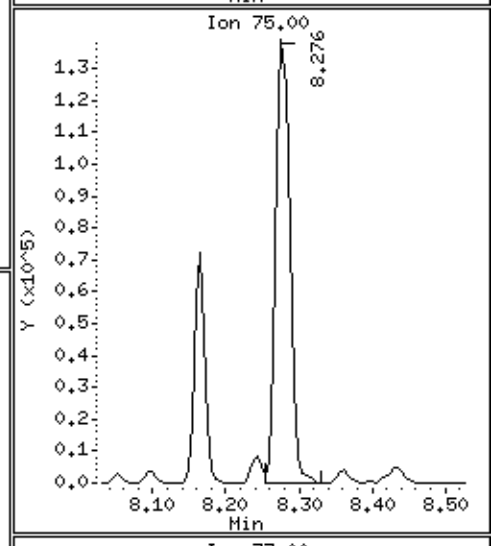


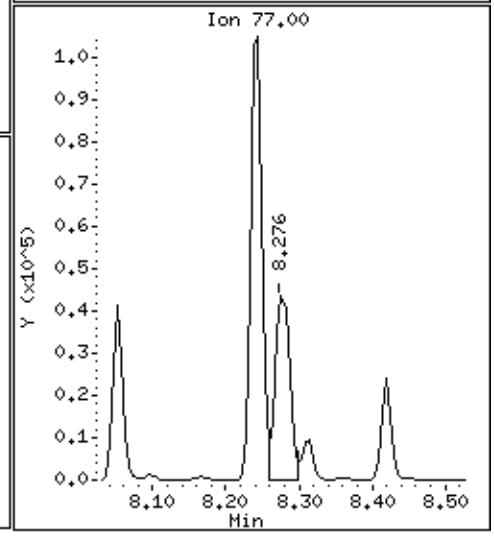












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

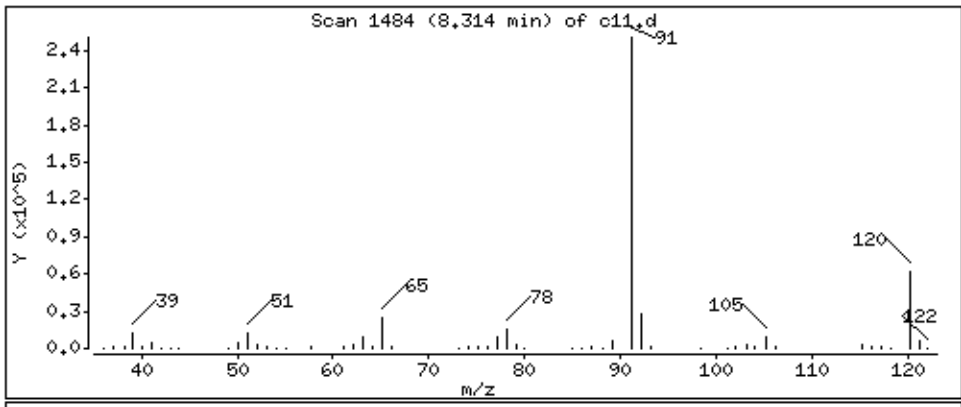
Column phase: DB-624

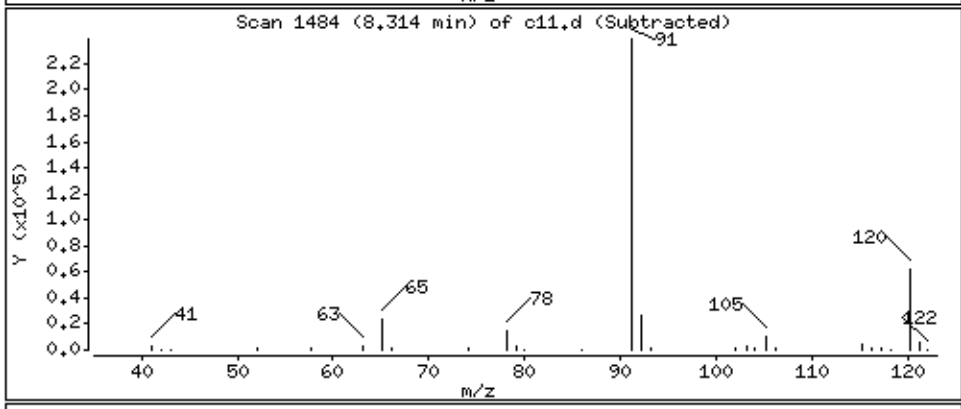
Column diameter: 0.18

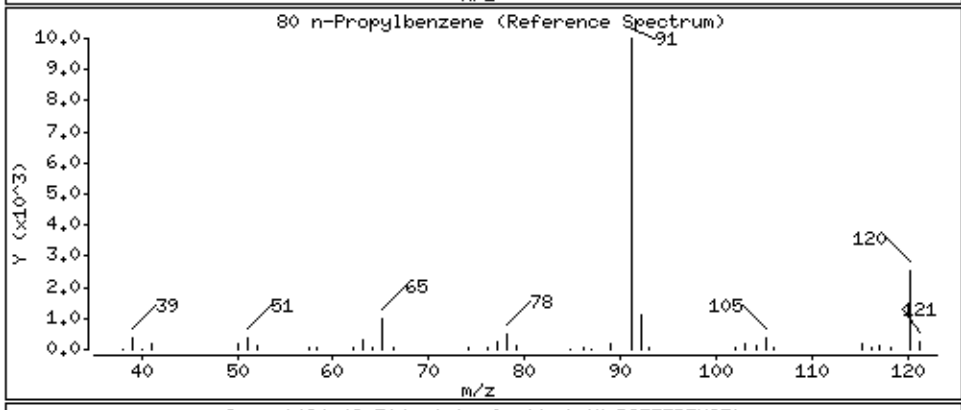
80 n-Propylbenzene

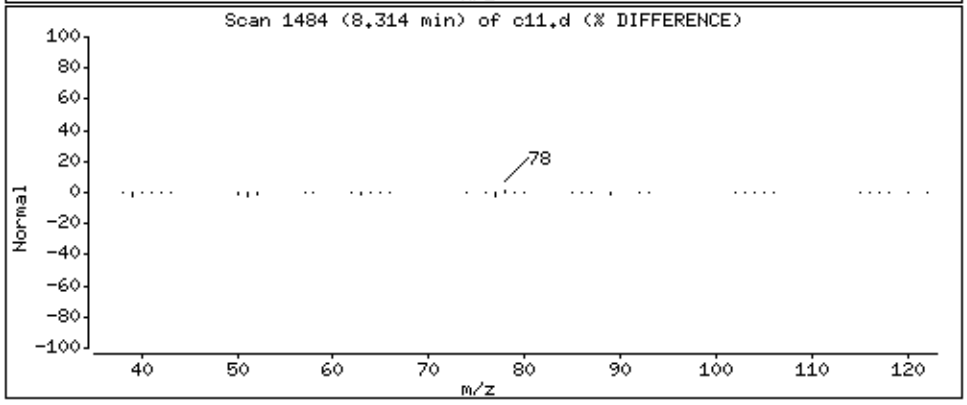
Concentration: 20.6 ppb

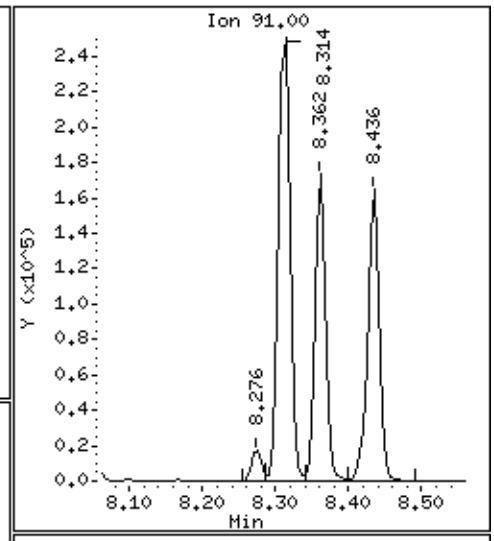
Review Code:

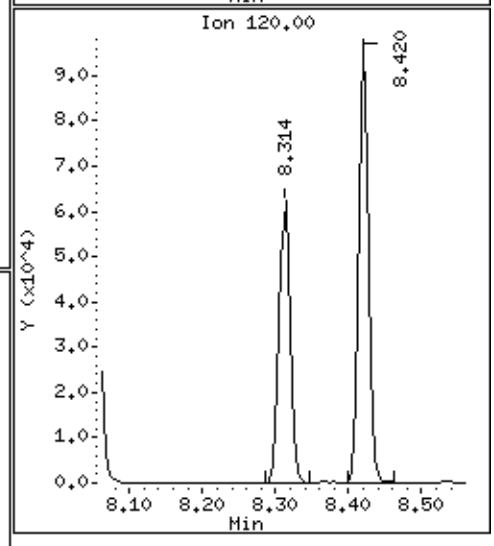












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

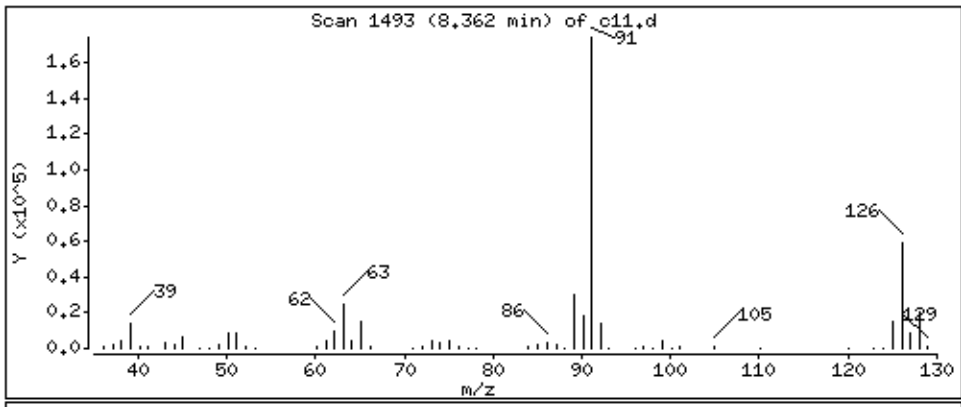
Column phase: DB-624

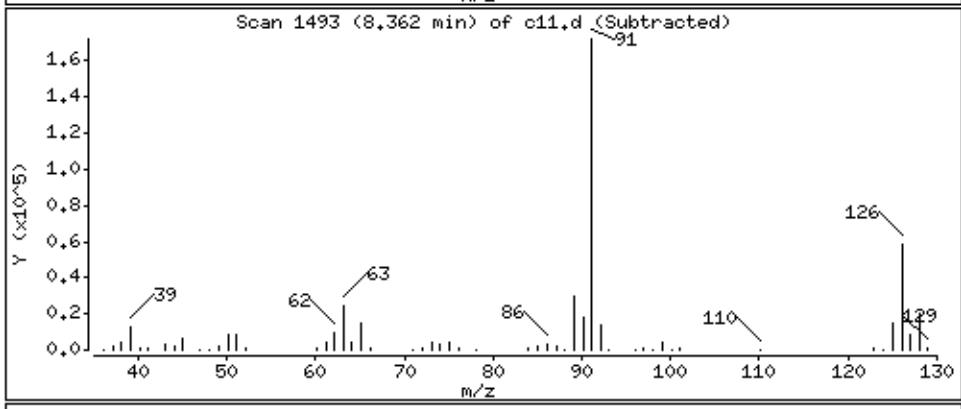
Column diameter: 0.18

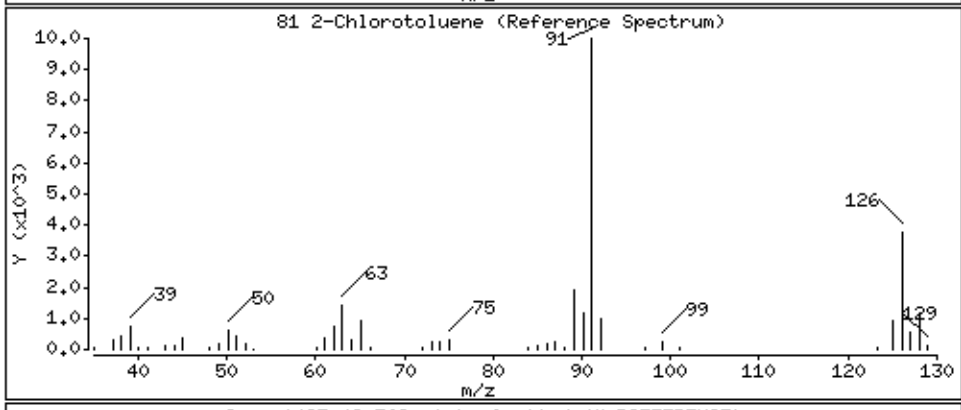
81 2-Chlorotoluene

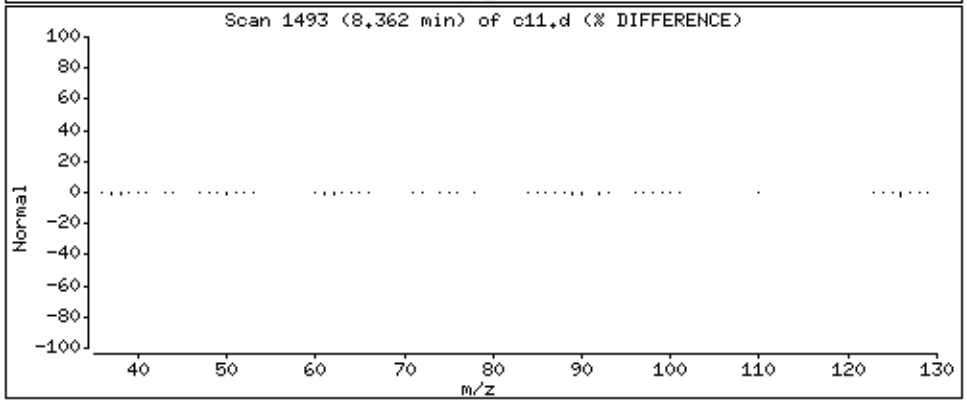
Concentration: 25.2 ppb

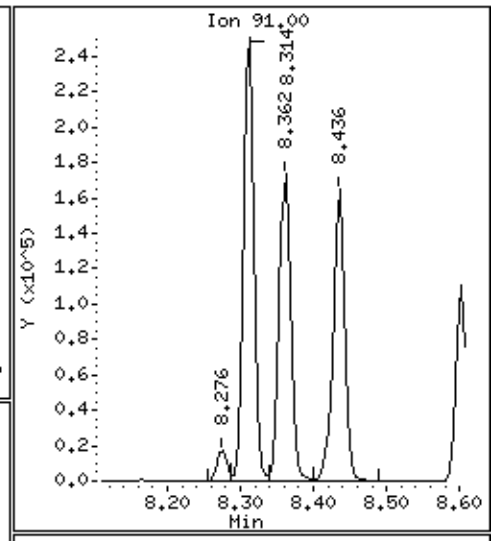
Review Code:

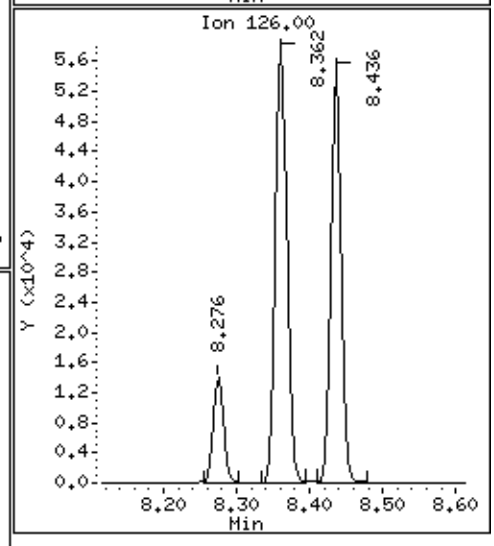












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

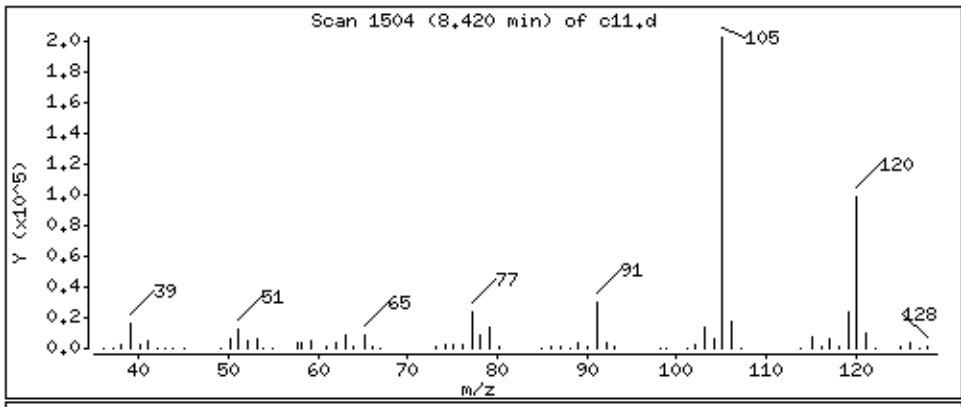
Column phase: DB-624

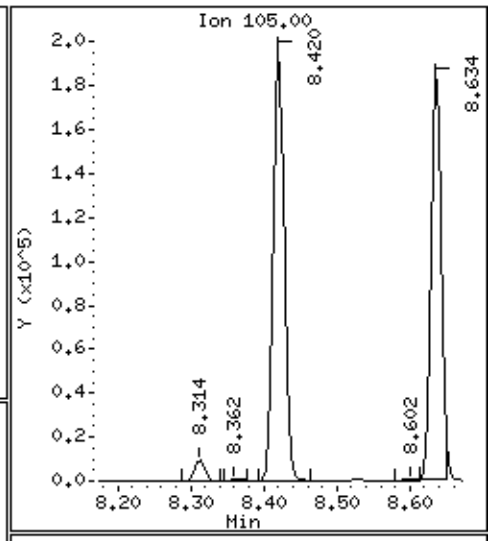
Column diameter: 0.18

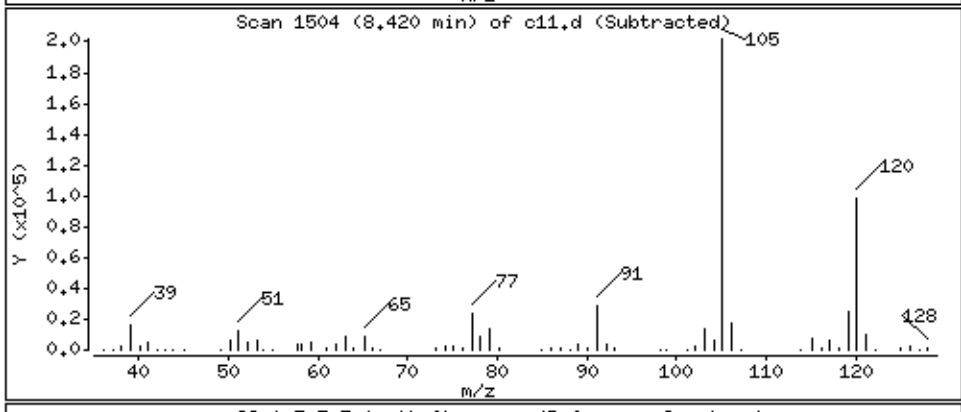
82 1,3,5-Trimethylbenzene

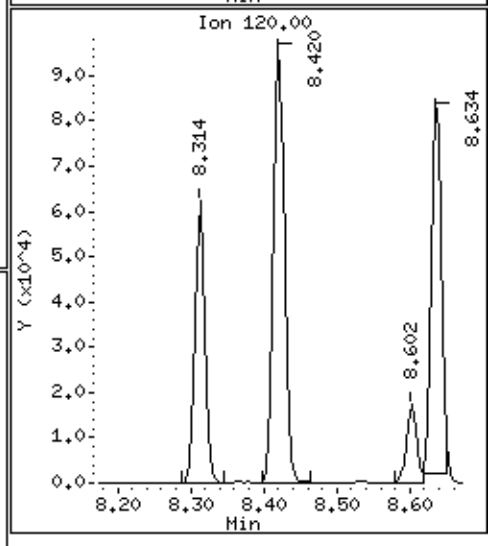
Concentration: 21.9 ppb

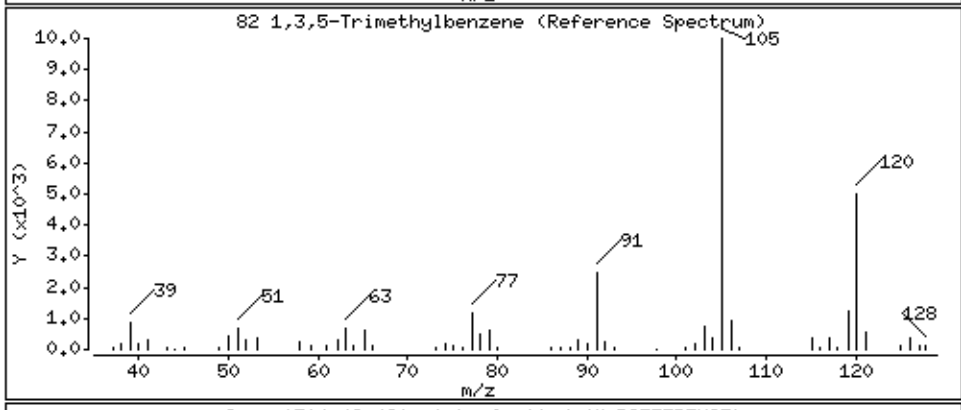
Review Code:

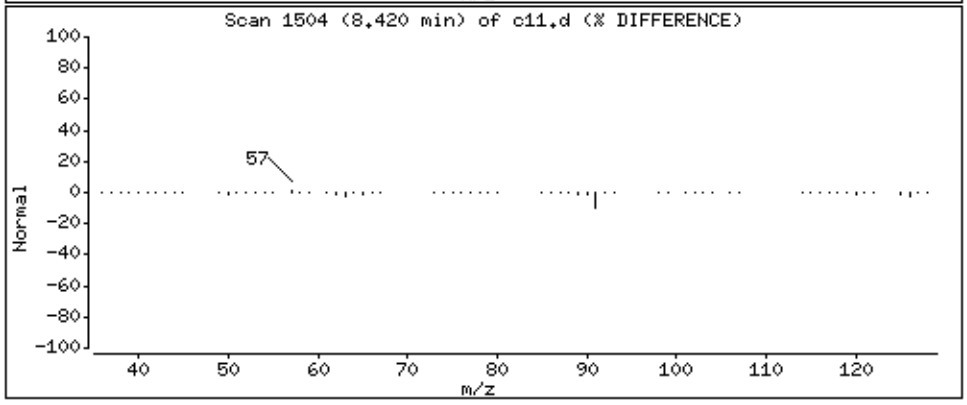












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

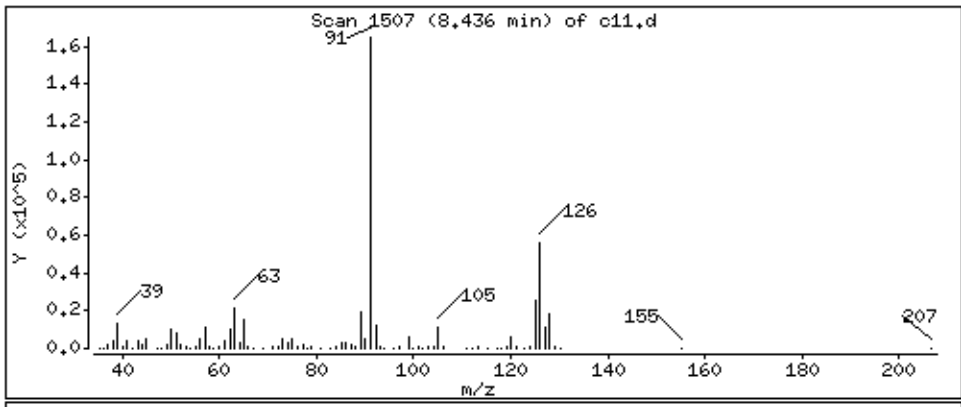
Column phase: DB-624

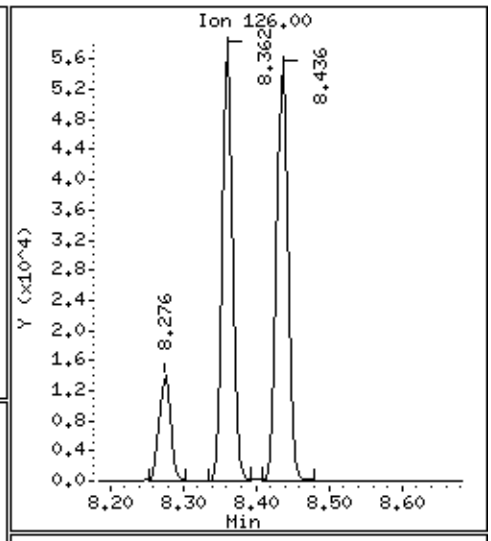
Column diameter: 0.18

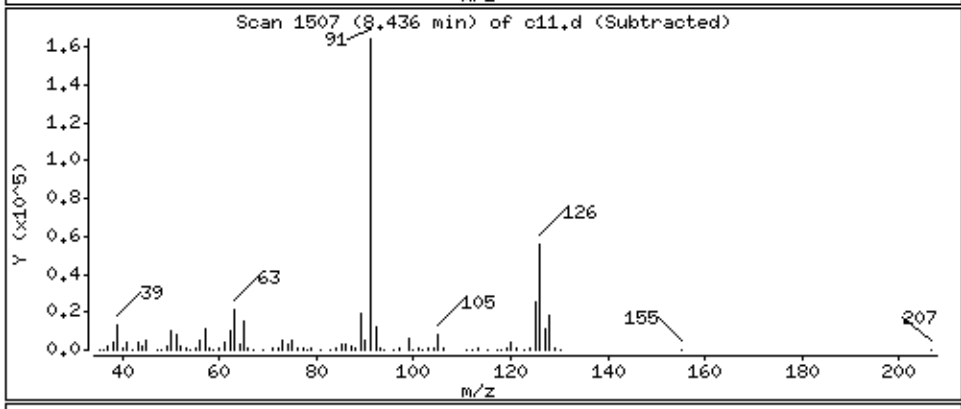
83 4-Chlorotoluene

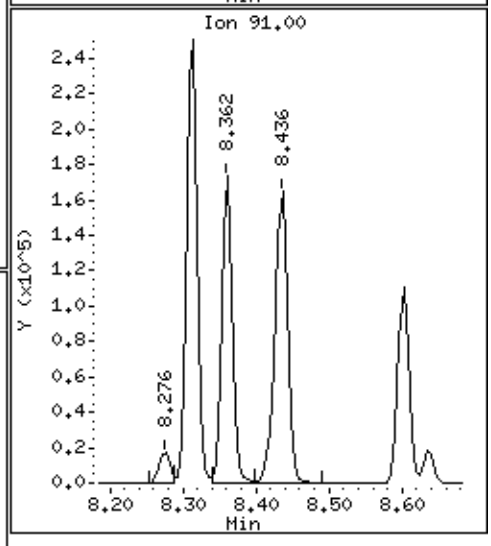
Concentration: 22.1 ppb

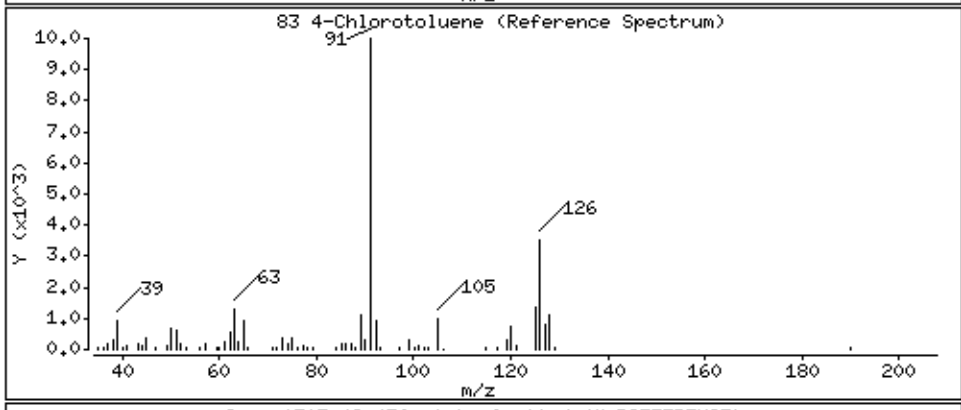
Review Code:

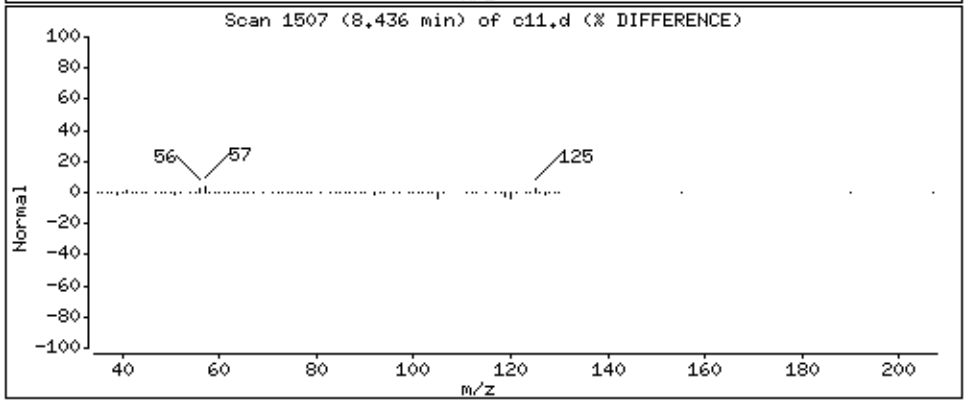












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

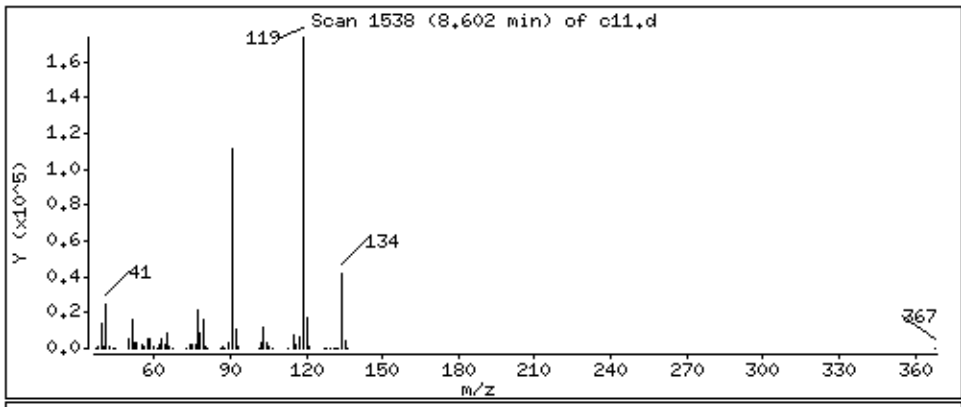
Column phase: DB-624

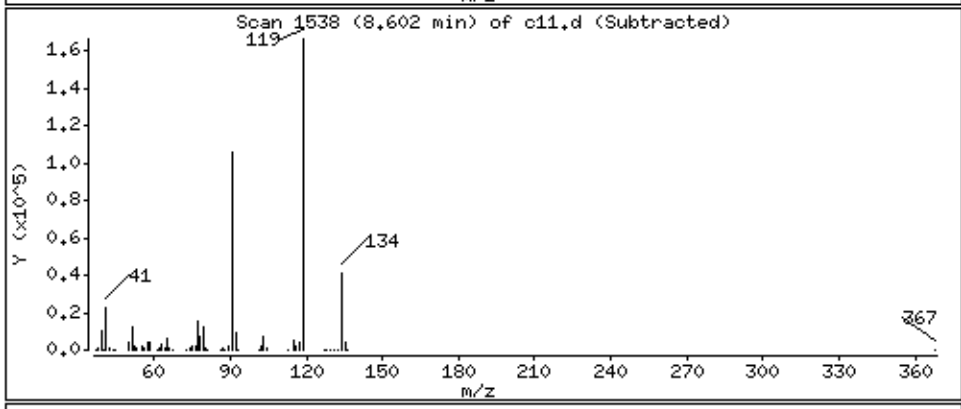
Column diameter: 0.18

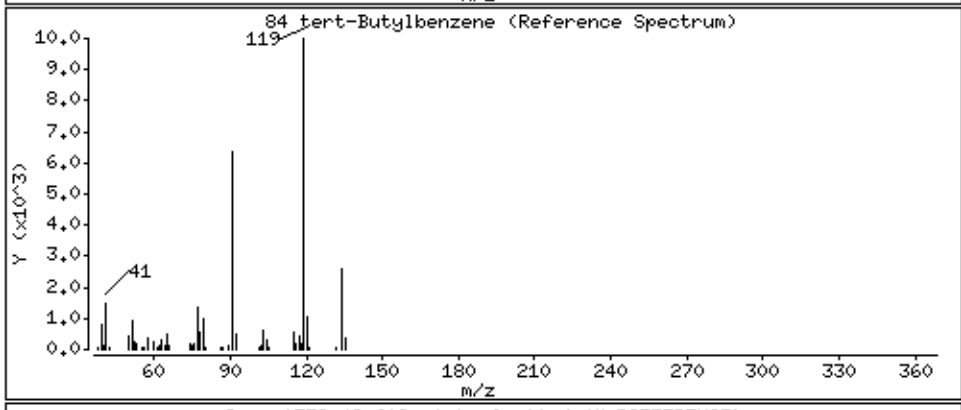
84 tert-Butylbenzene

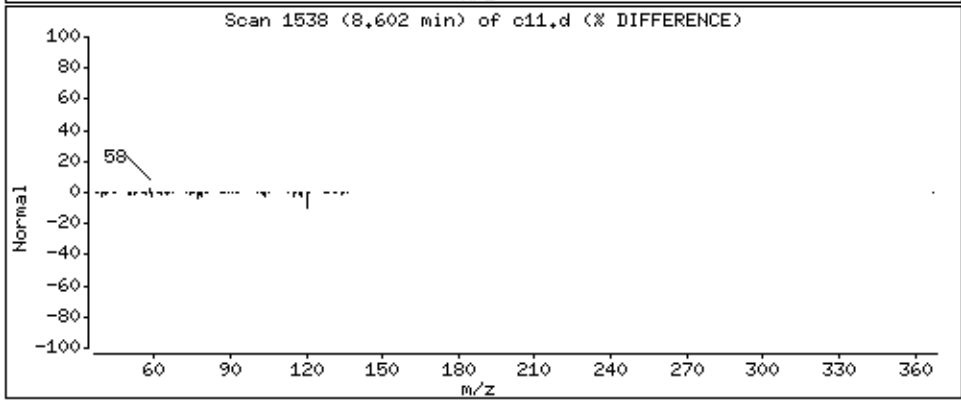
Concentration: 17.7 ppb

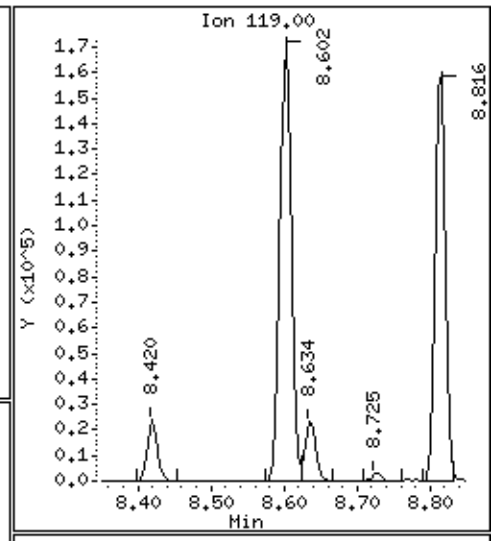
Review Code:

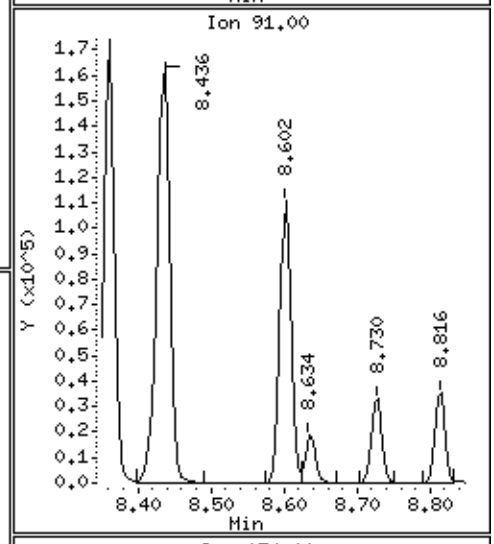


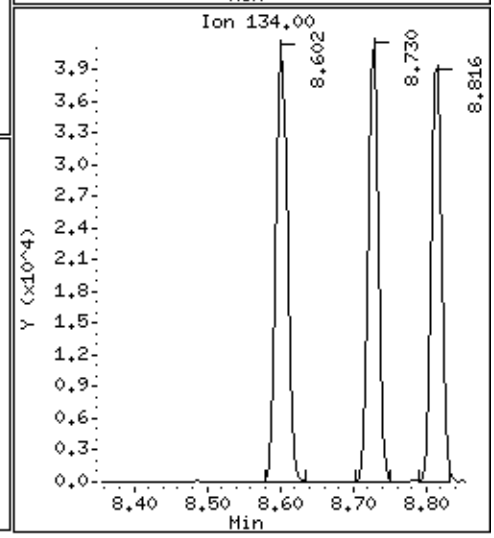












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

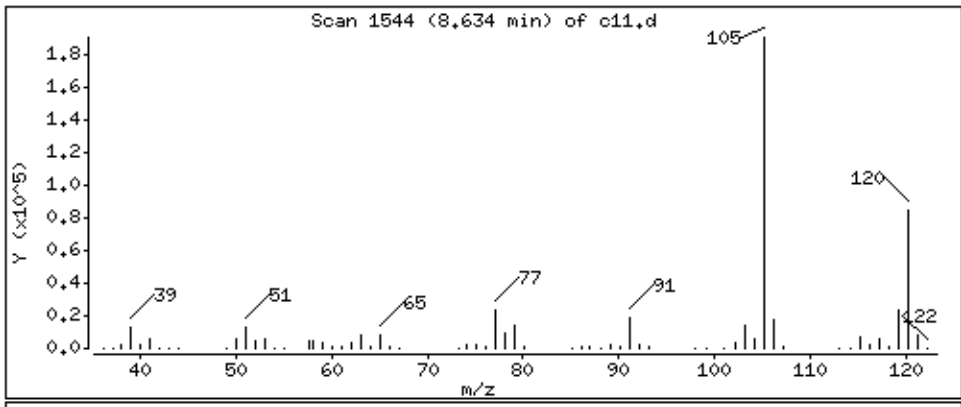
Column phase: DB-624

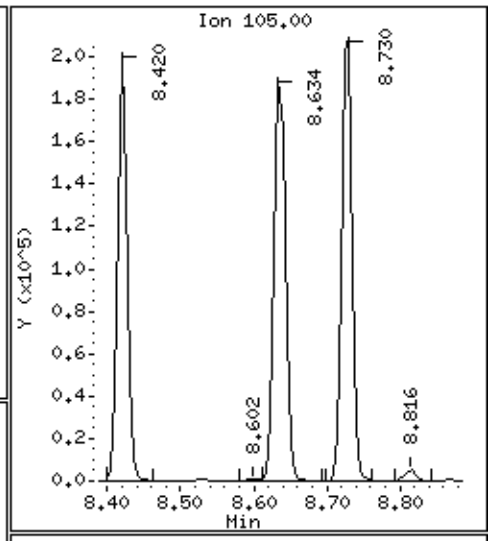
Column diameter: 0.18

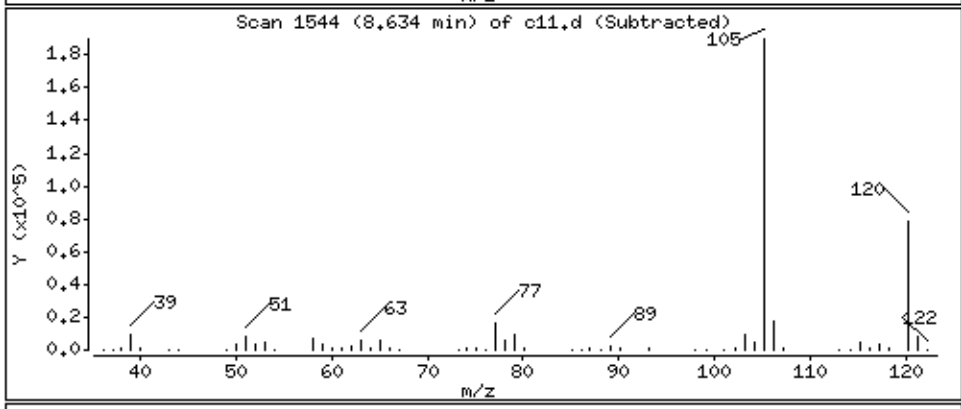
85 1,2,4-Trimethylbenzene

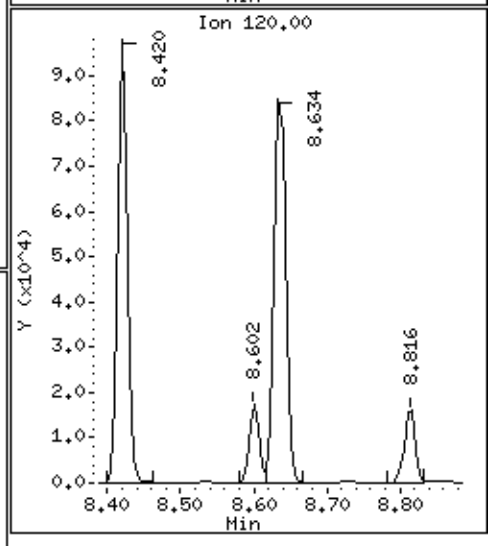
Concentration: 22.1 ppb

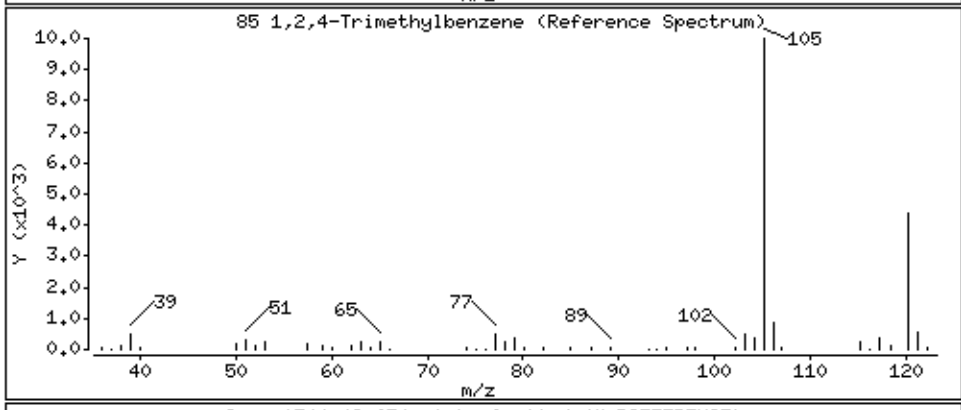
Review Code:

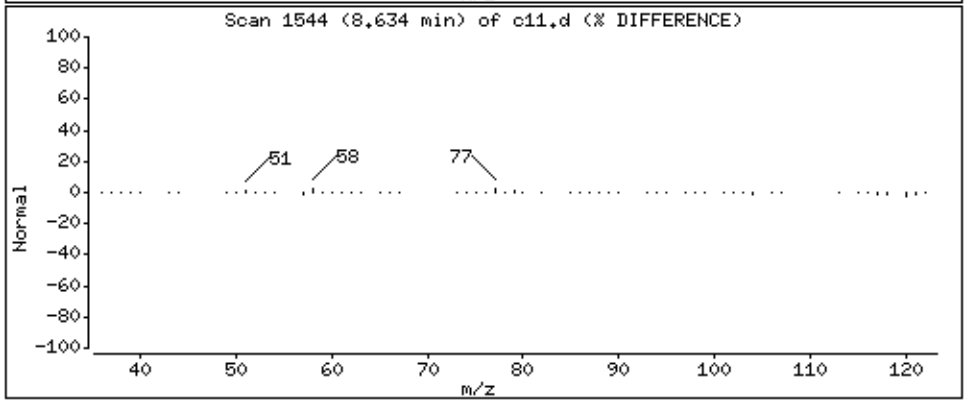












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

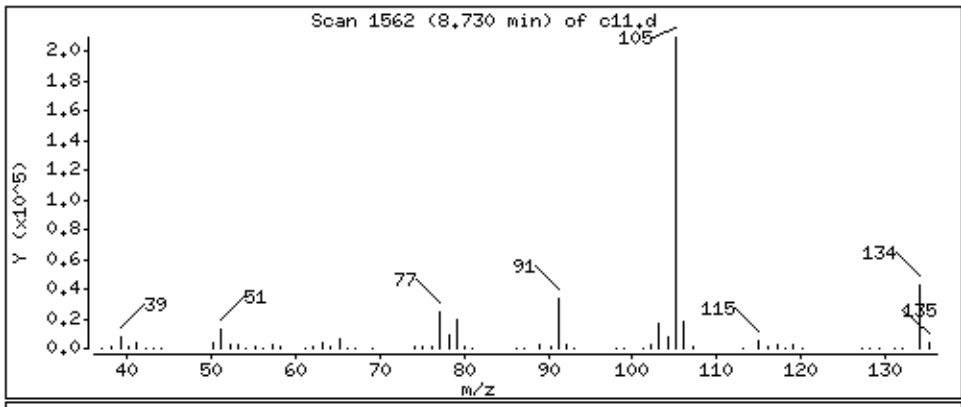
Column phase: DB-624

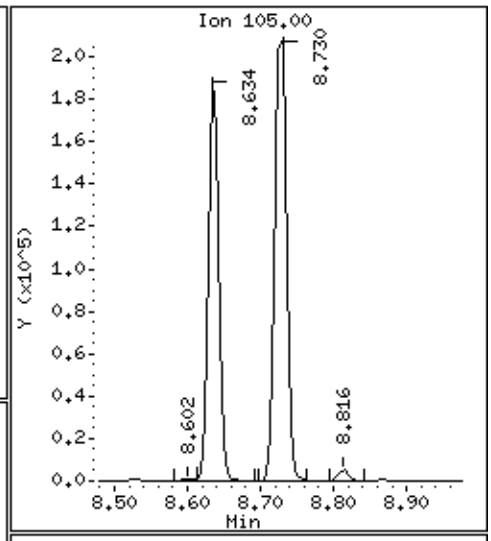
Column diameter: 0.18

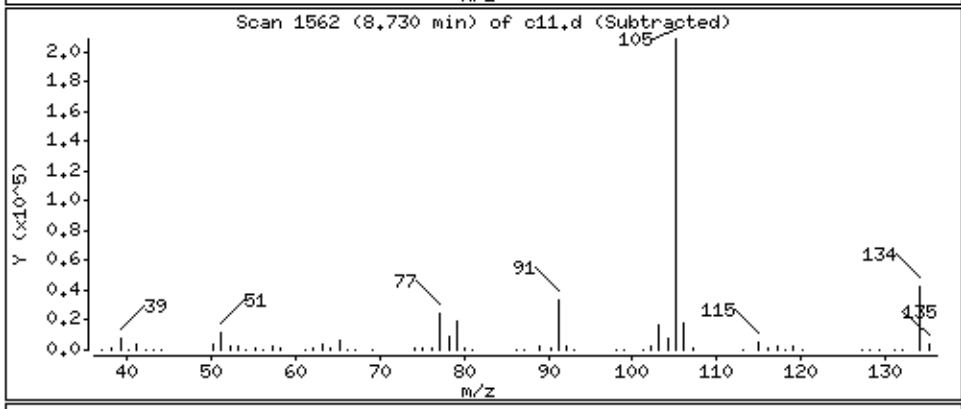
86 sec-Butylbenzene

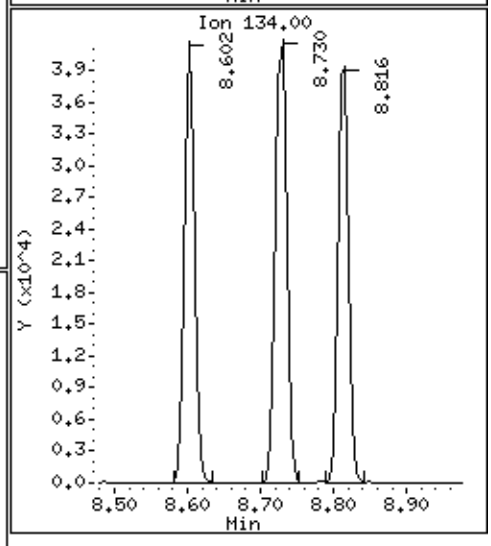
Concentration: 18.4 ppb

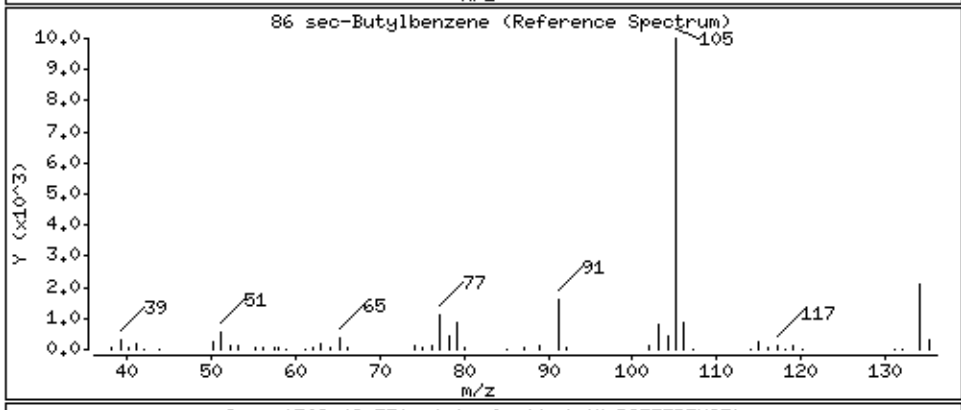
Review Code:

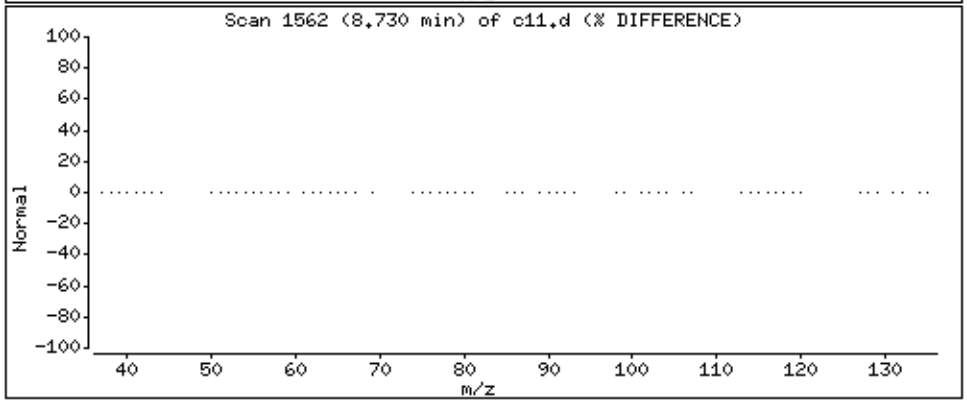












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

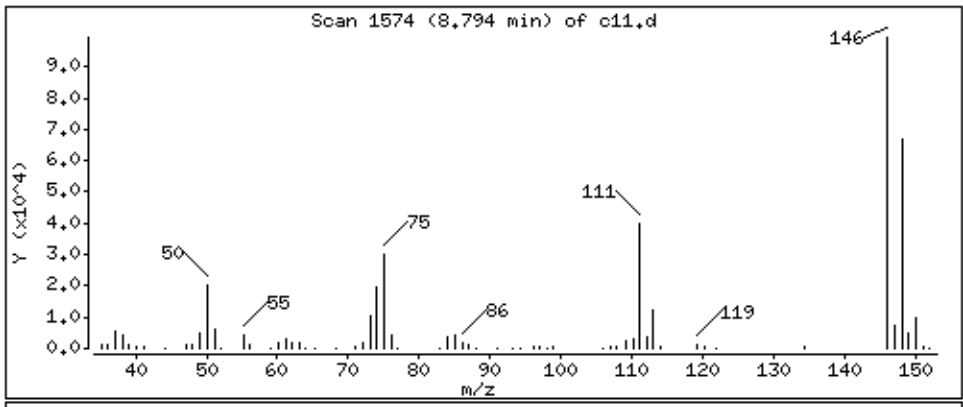
Column phase: DB-624

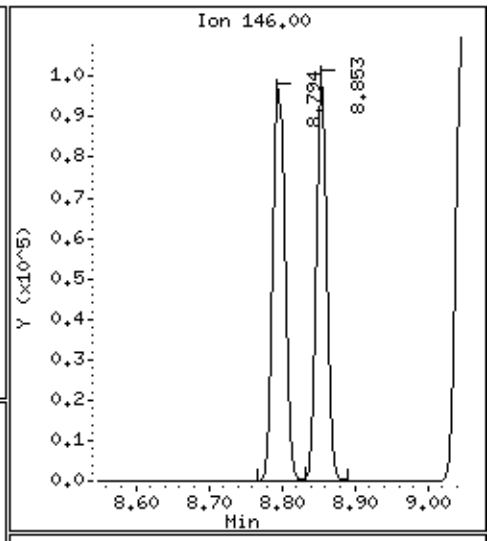
Column diameter: 0.18

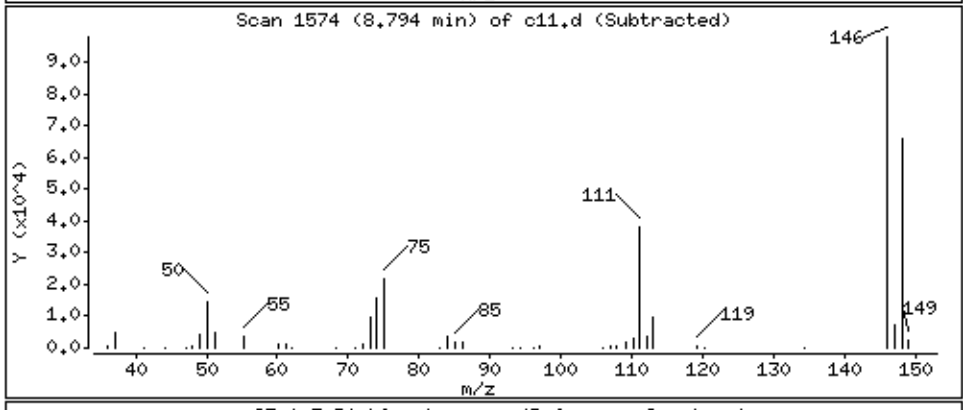
87 1,3-Dichlorobenzene

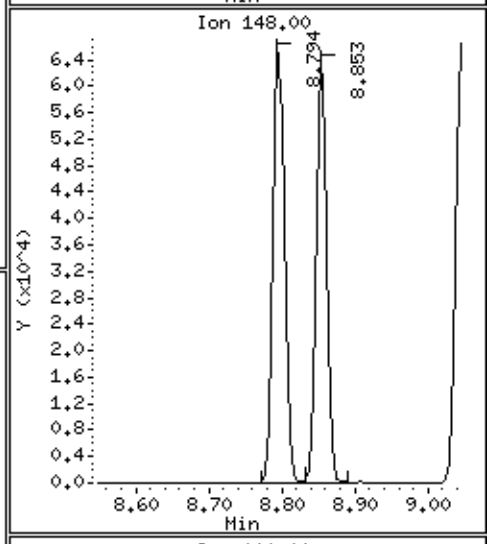
Concentration: 23.0 ppb

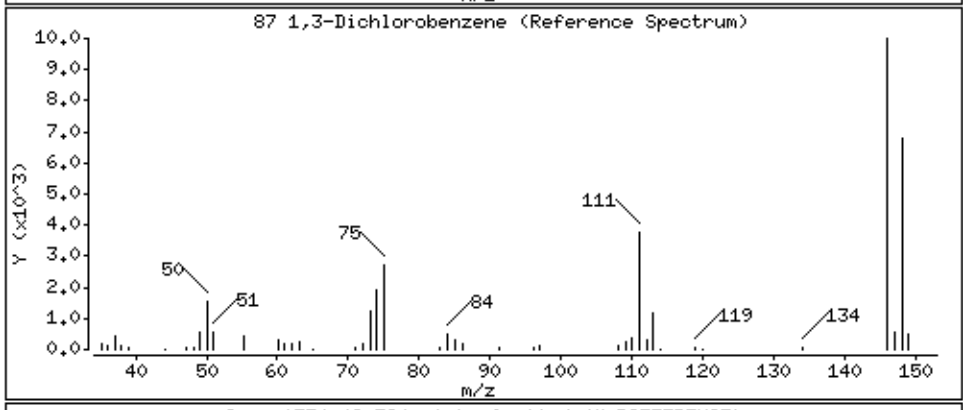
Review Code:

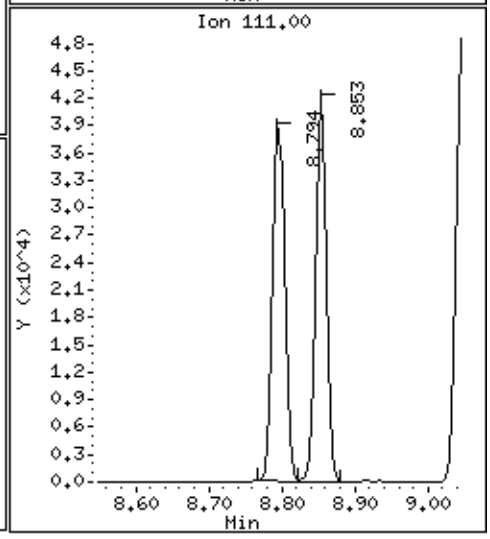


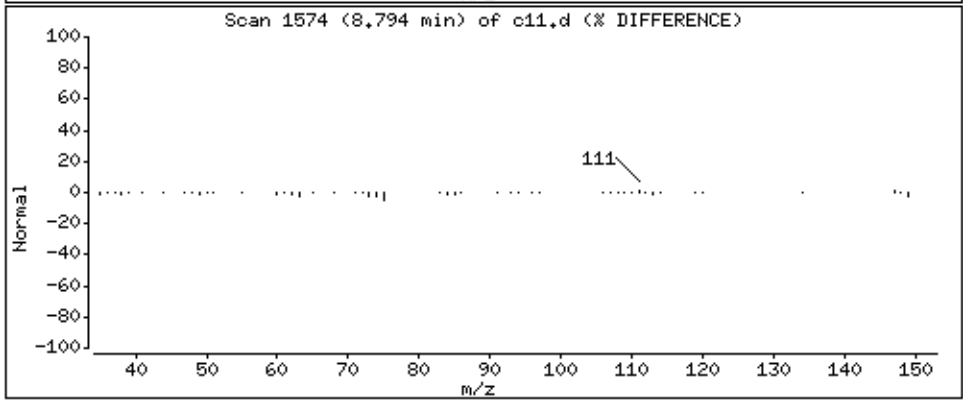












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

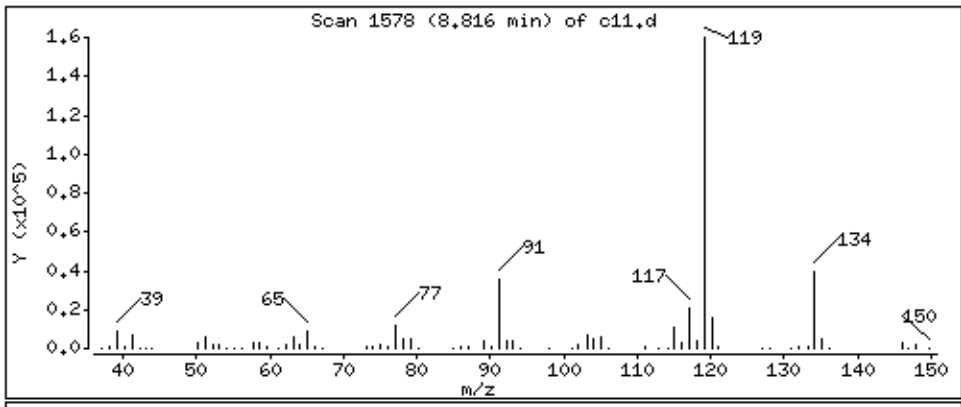
Column phase: DB-624

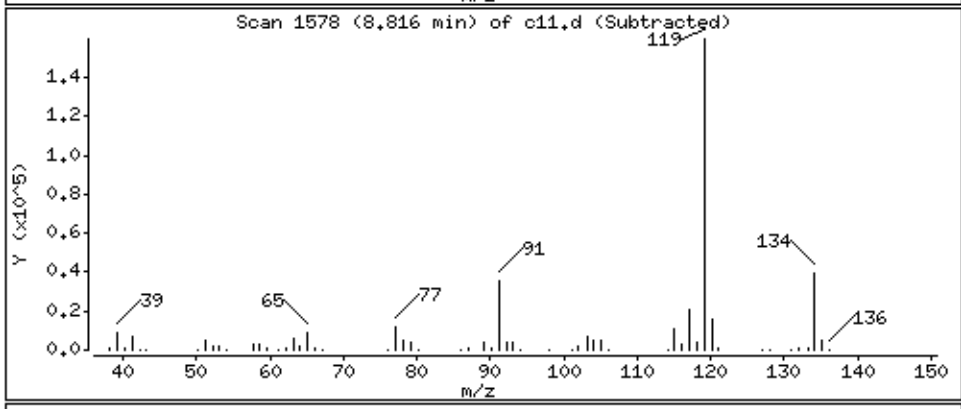
Column diameter: 0.18

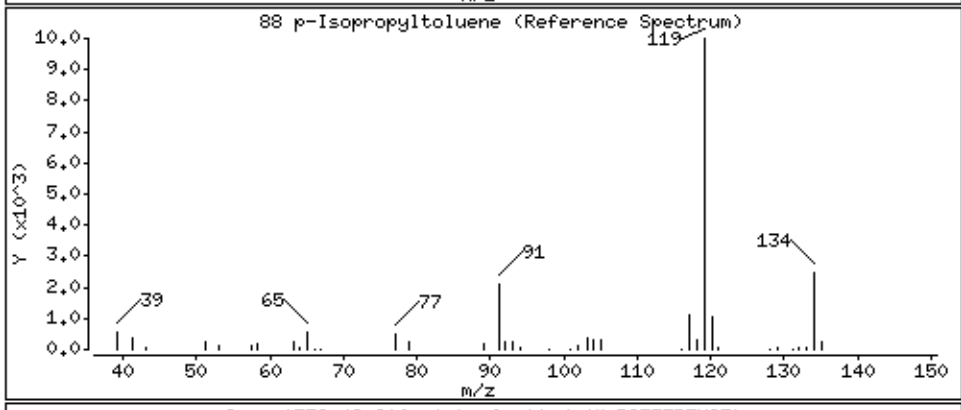
88 p-Isopropyltoluene

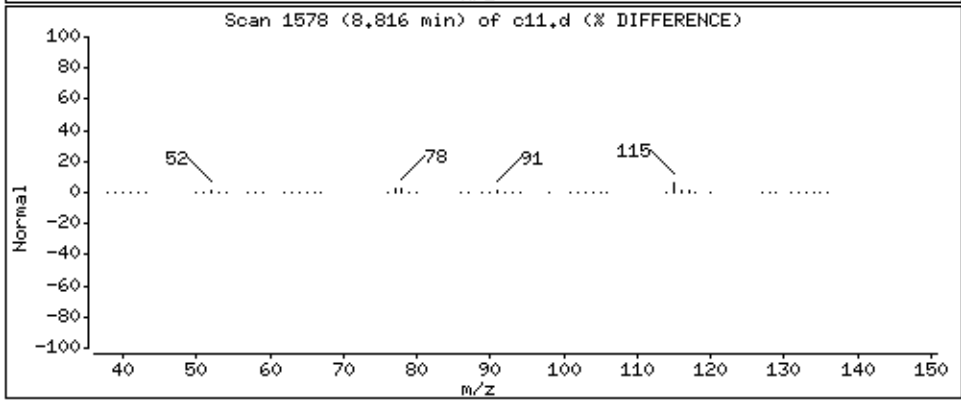
Concentration: 16.7 ppb

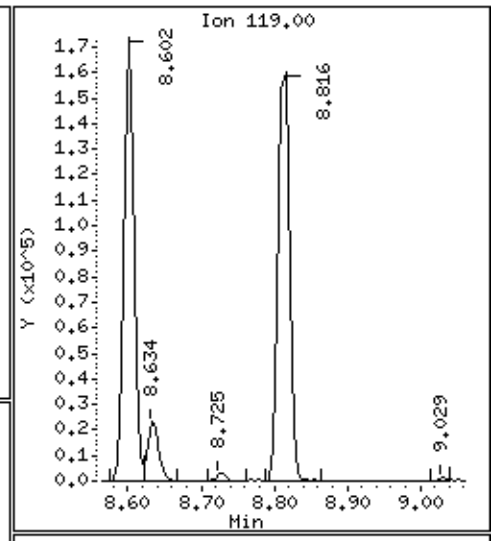
Review Code:

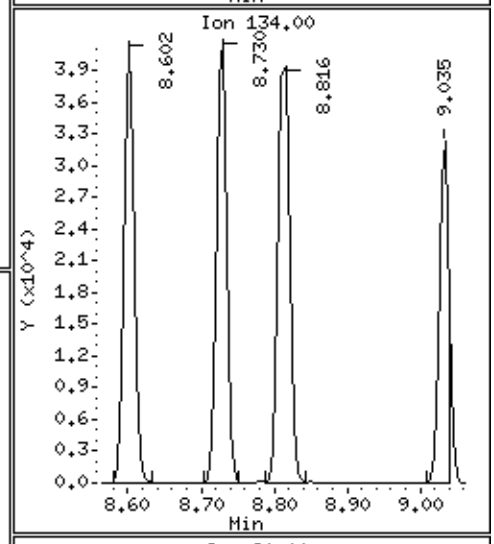


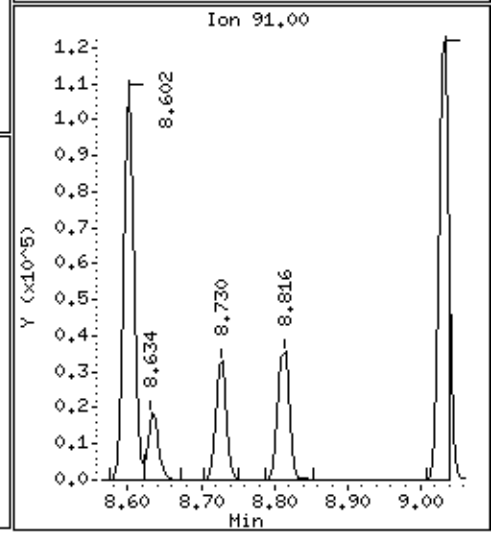












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

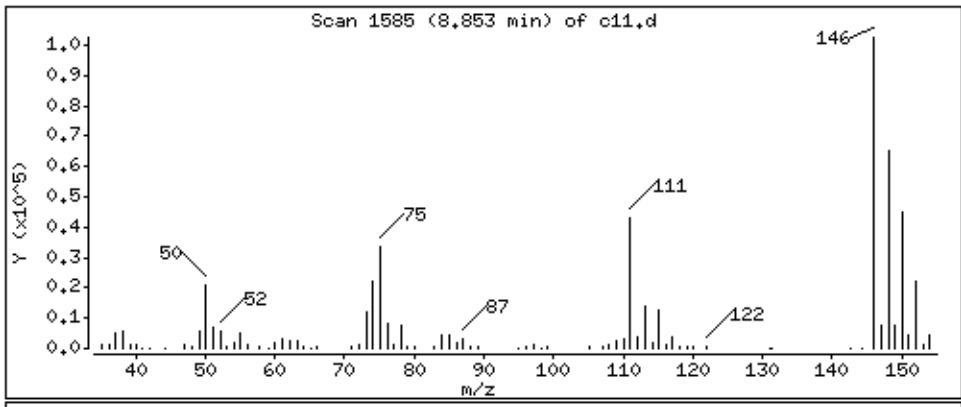
Column phase: DB-624

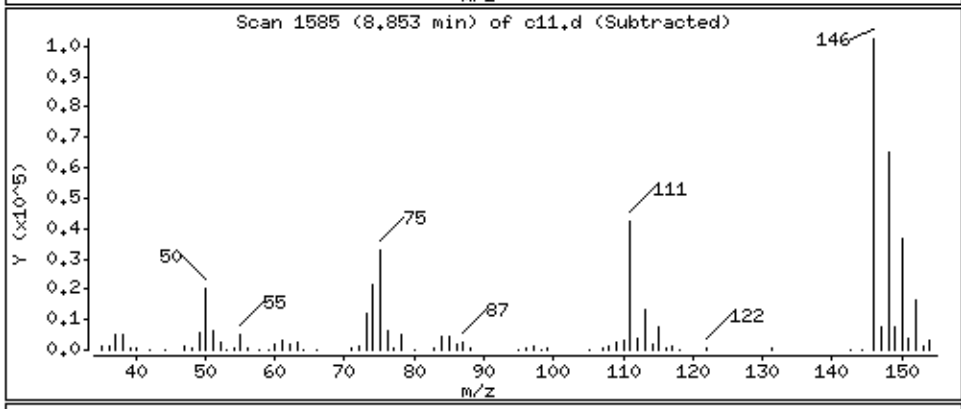
Column diameter: 0.18

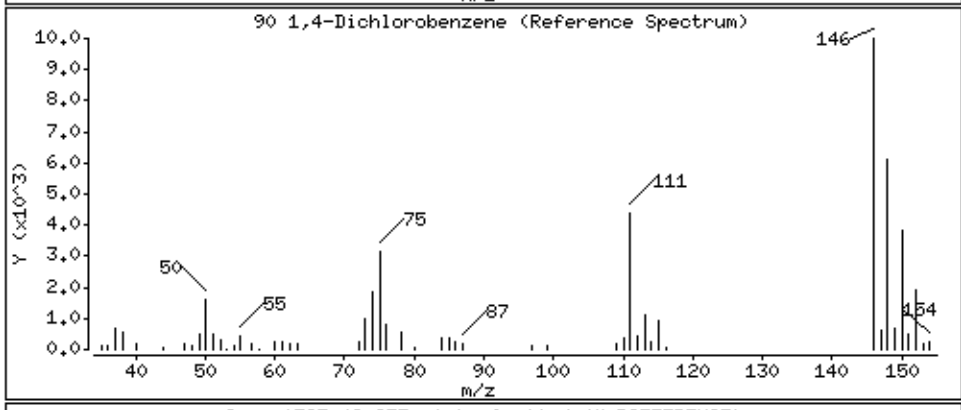
90 1,4-Dichlorobenzene

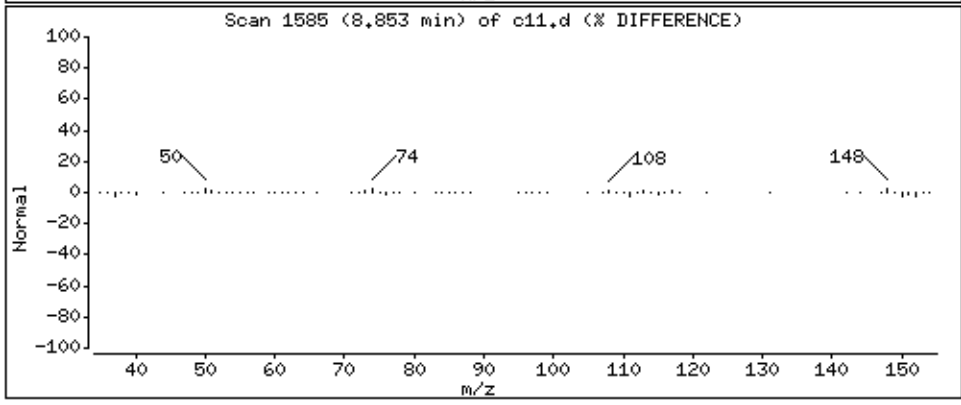
Concentration: 22.1 ppb

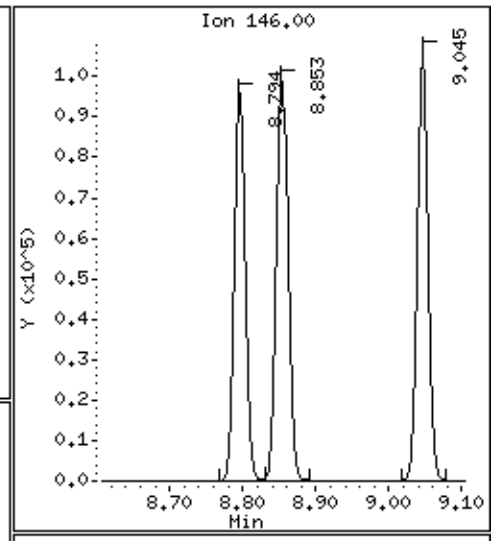
Review Code:

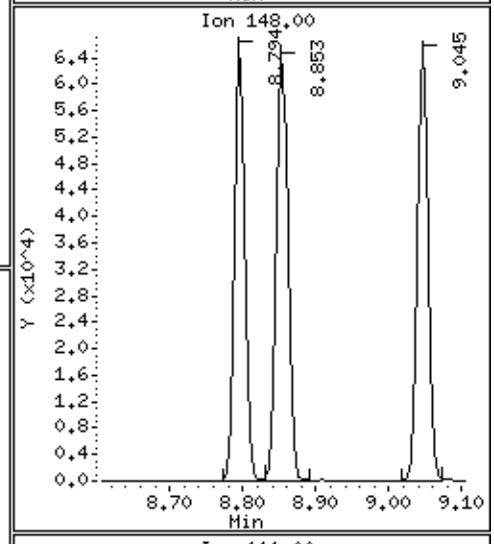


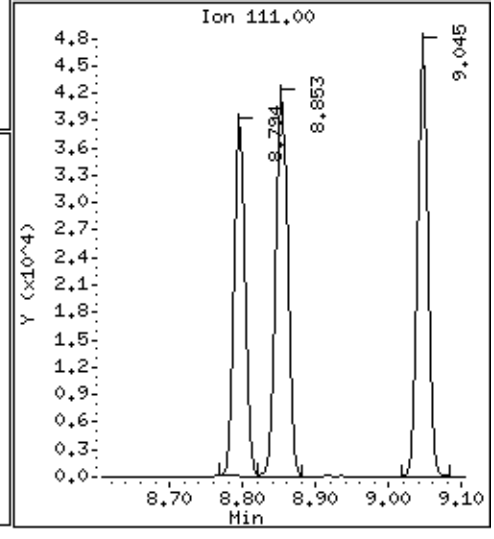












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

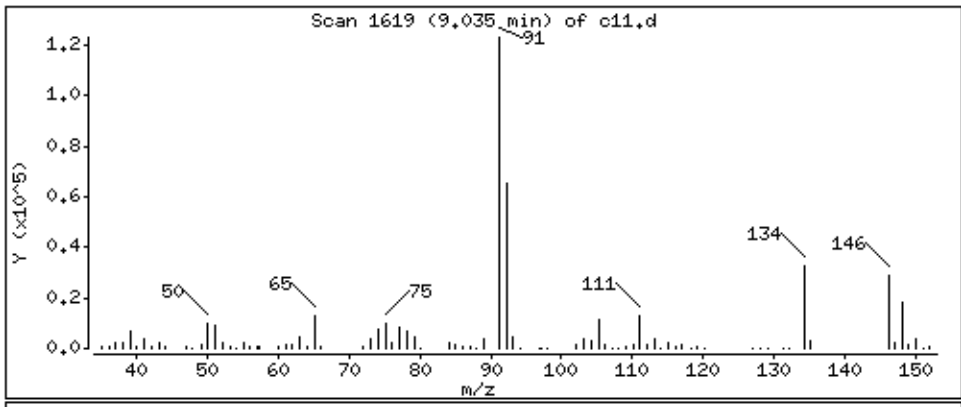
Column phase: DB-624

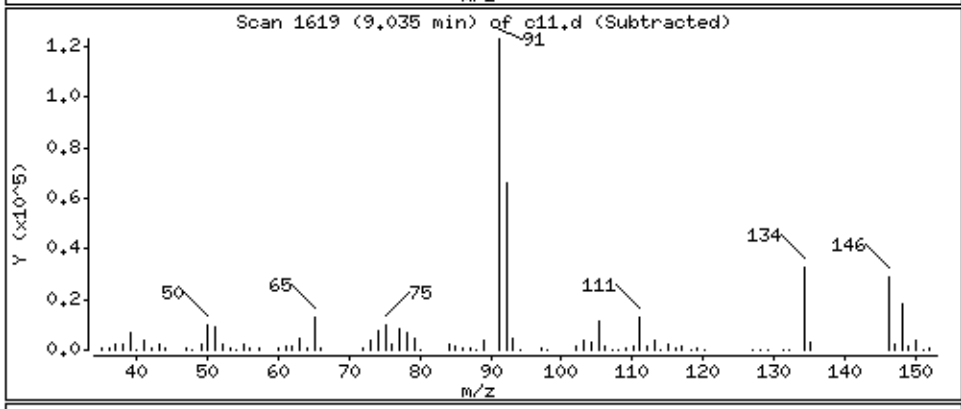
Column diameter: 0.18

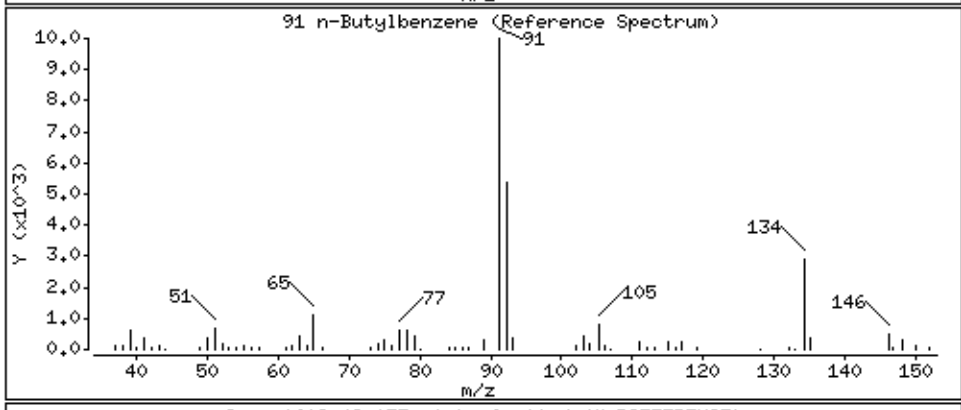
91 n-Butylbenzene

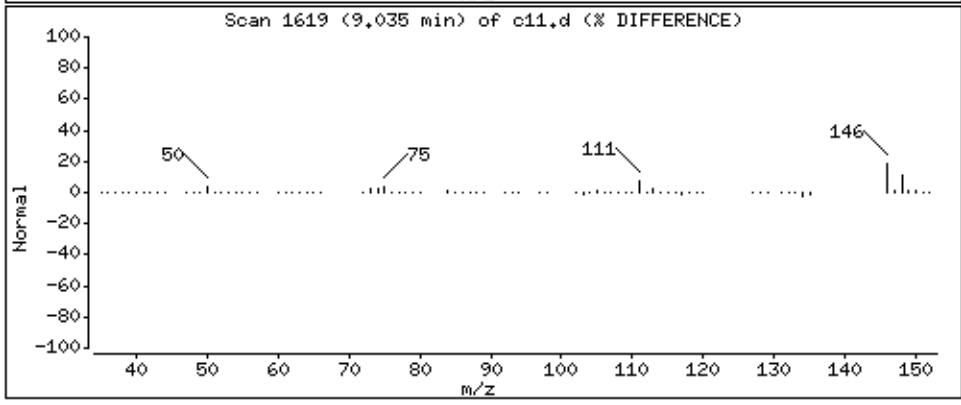
Concentration: 14.0 ppb

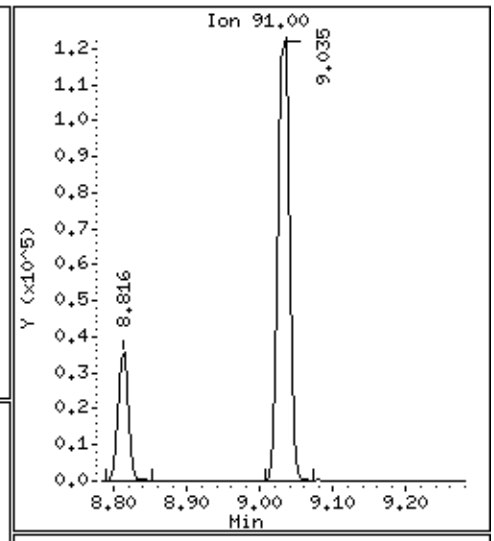
Review Code:

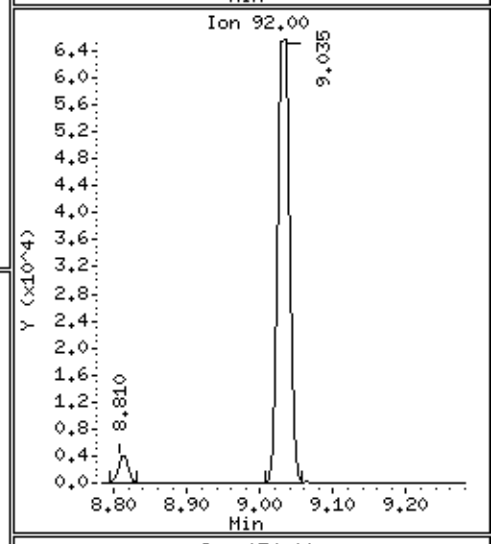


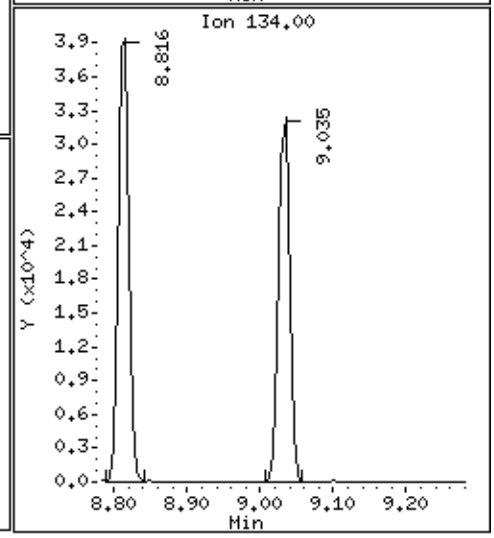












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

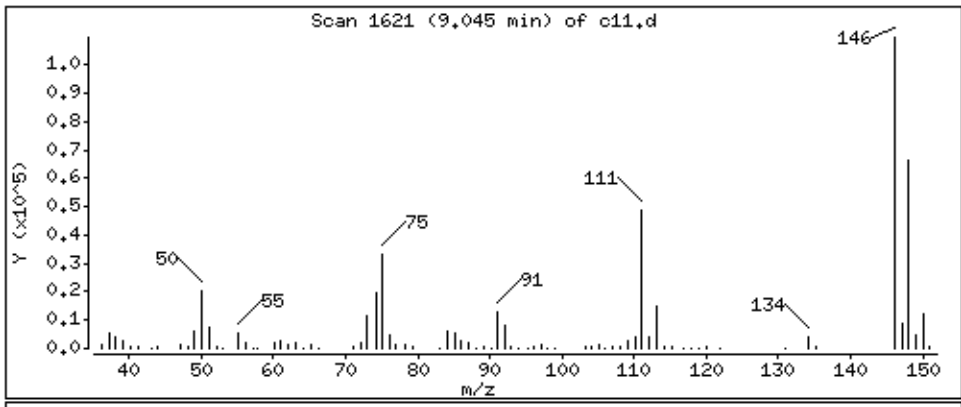
Column phase: DB-624

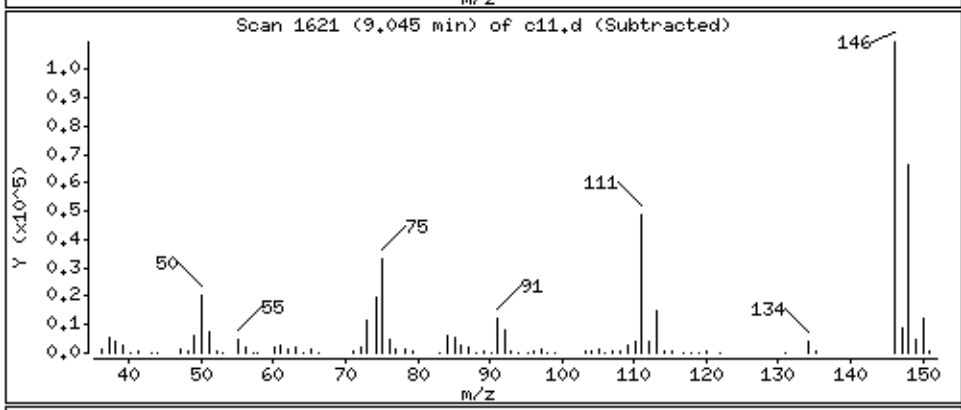
Column diameter: 0.18

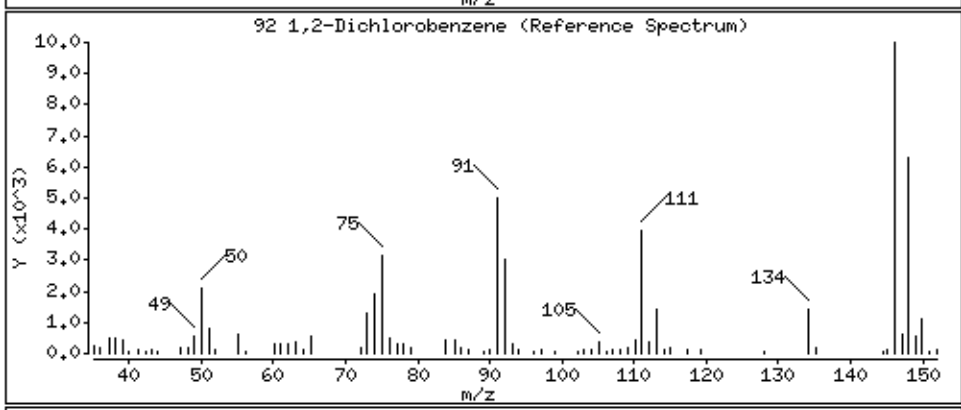
92 1,2-Dichlorobenzene

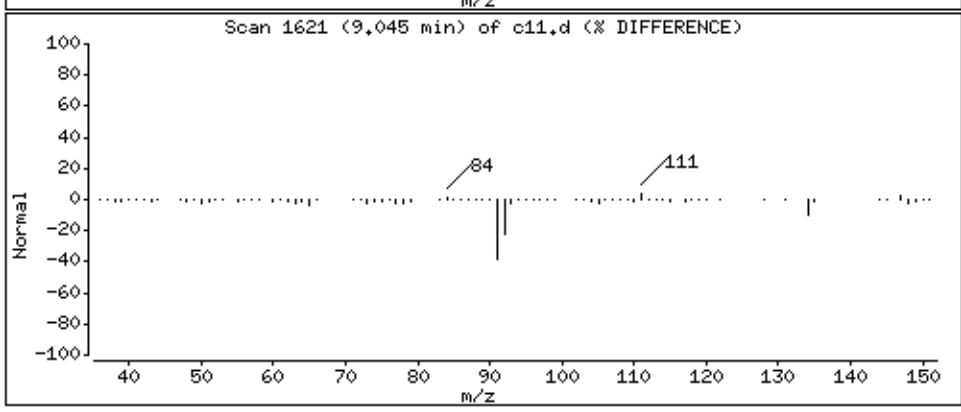
Concentration: 27.3 ppb

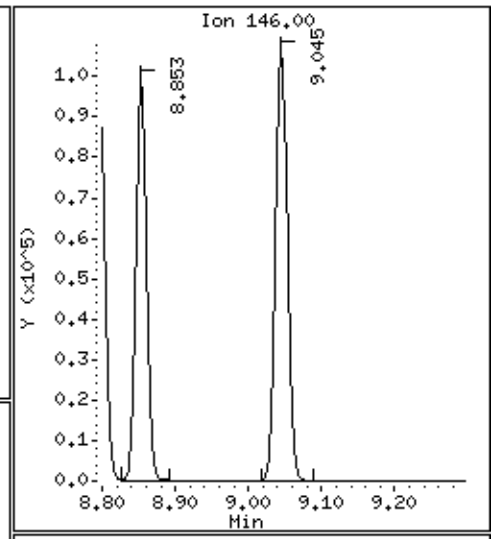
Review Code:

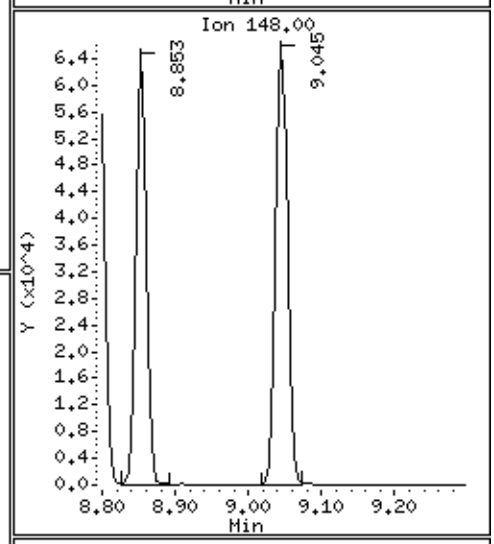


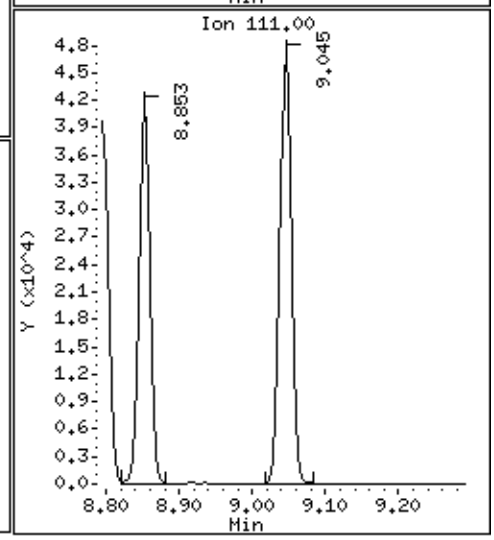












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

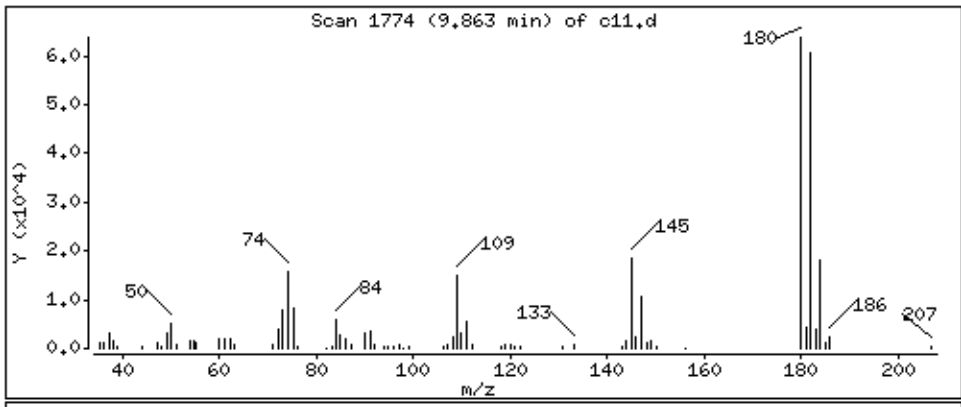
Column phase: DB-624

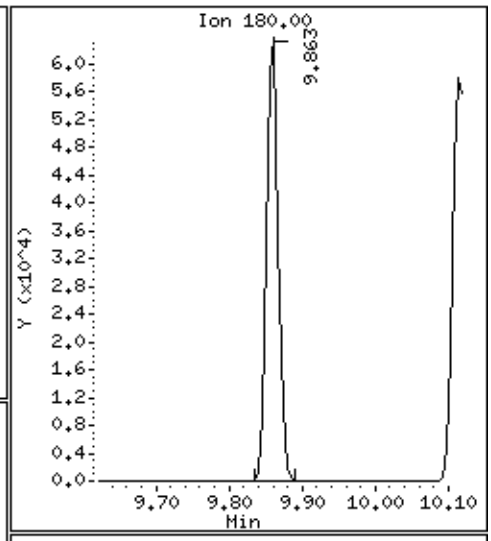
Column diameter: 0.18

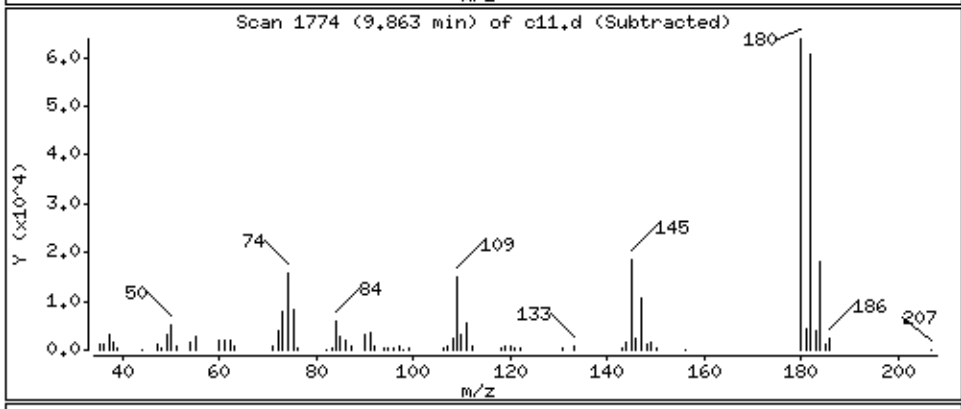
93 1,2,4-Trichlorobenzene

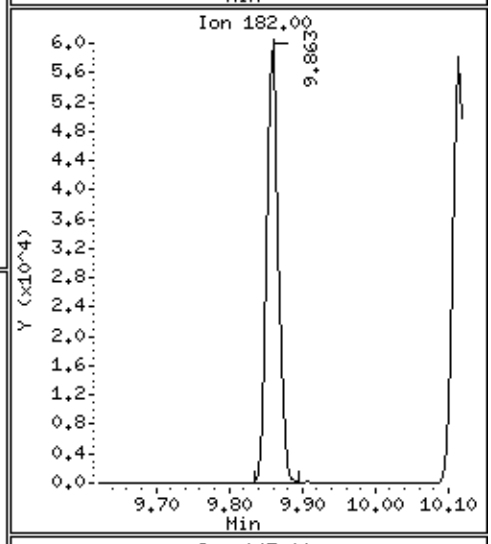
Concentration: 25.6 ppb

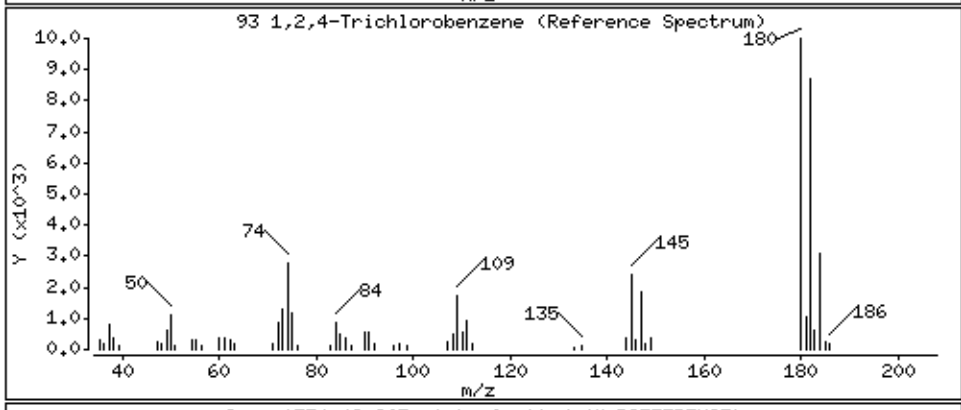
Review Code:

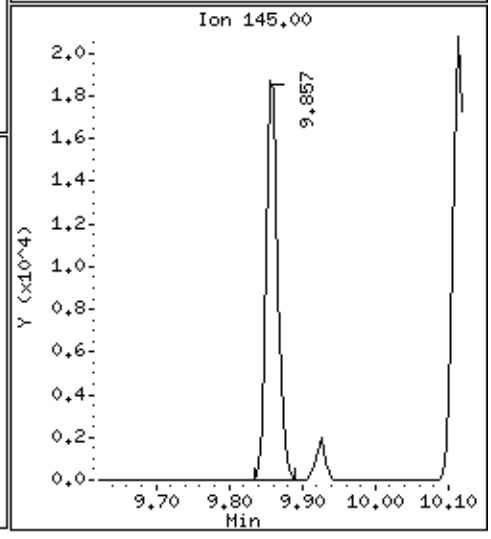


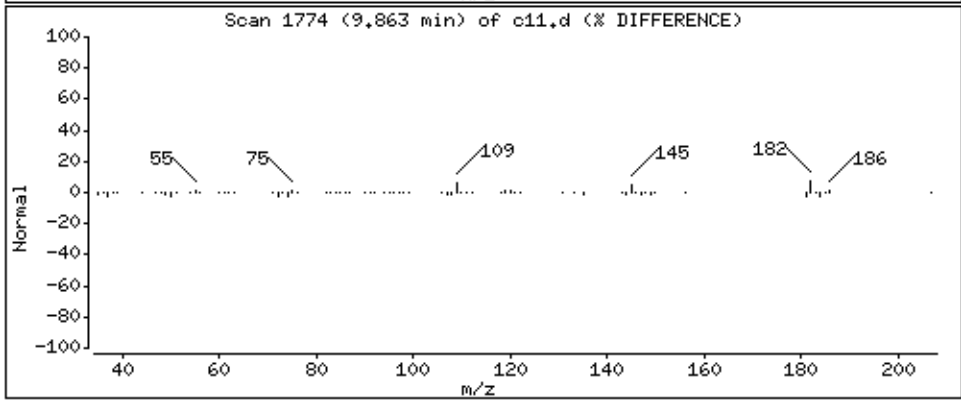












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

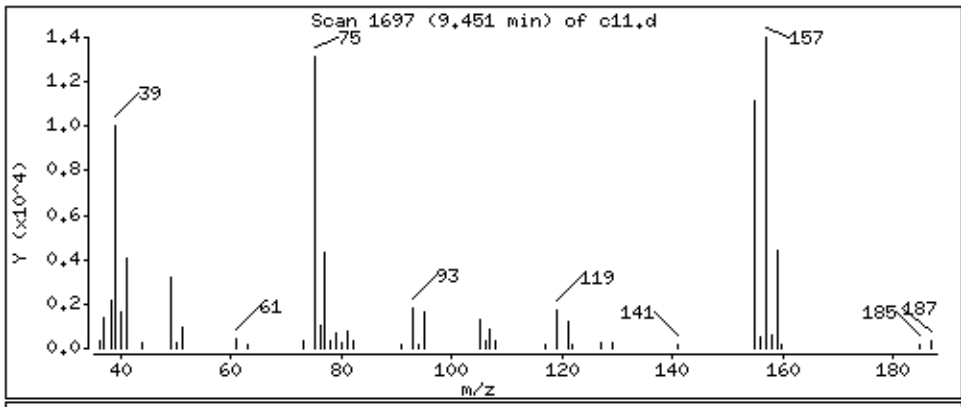
Column phase: DB-624

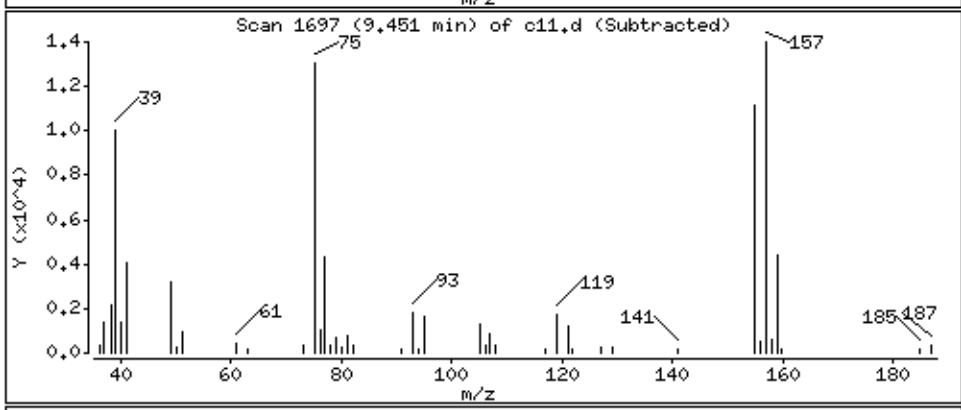
Column diameter: 0.18

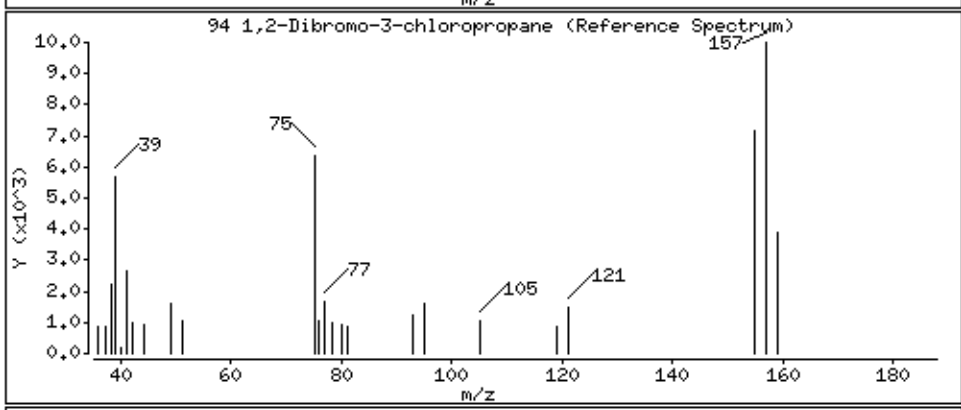
94 1,2-Dibromo-3-chloropropane

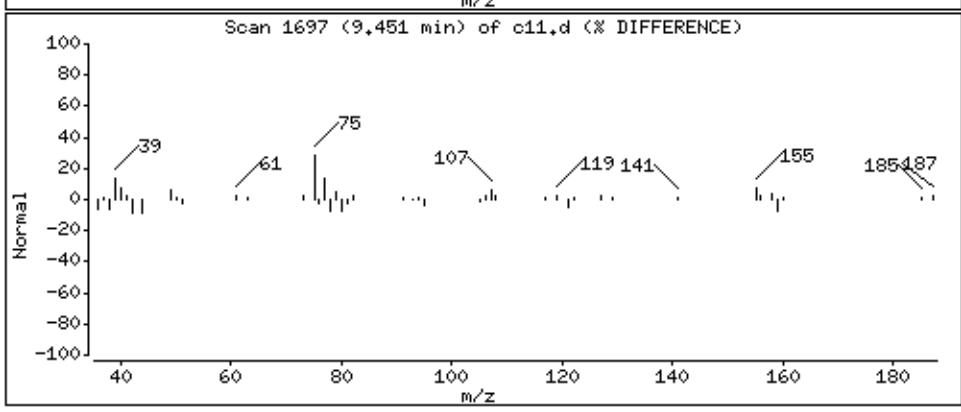
Concentration: 54.1 ppb

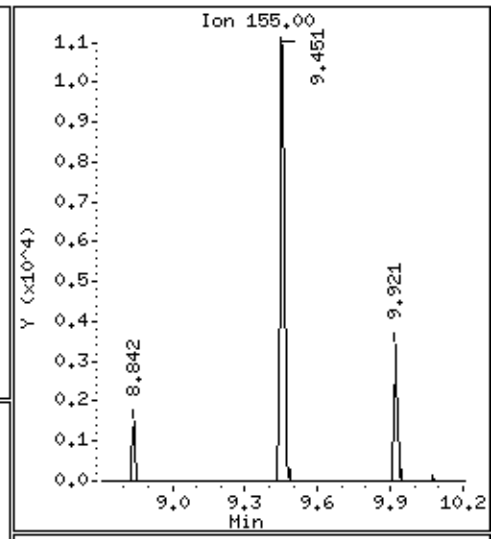
Review Code:

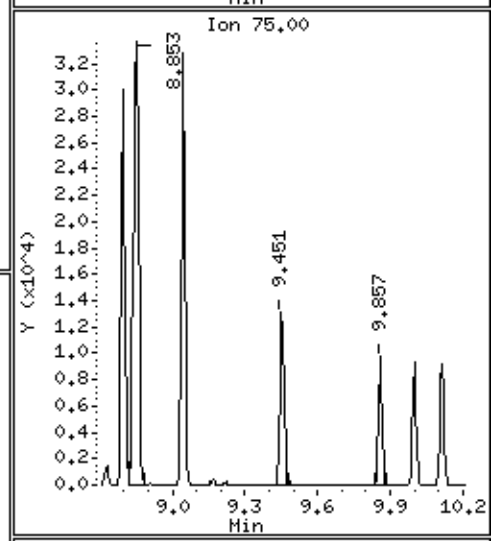


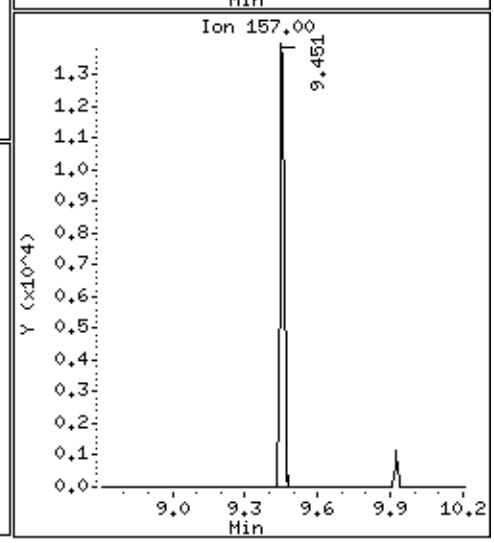












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

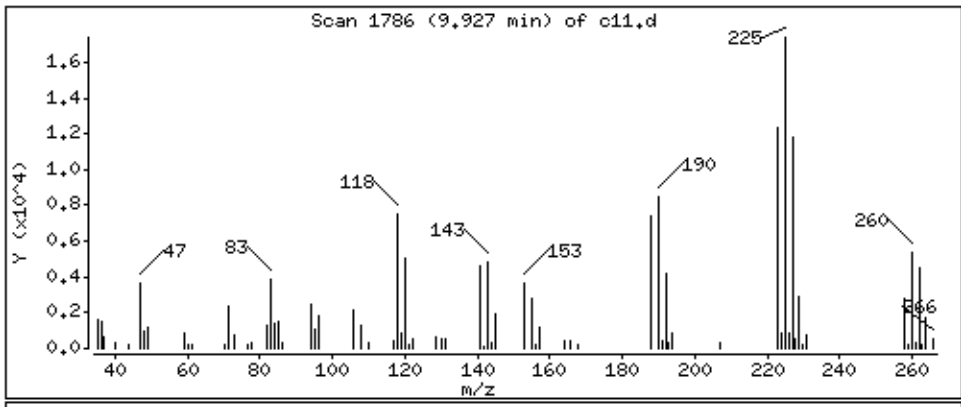
Column phase: DB-624

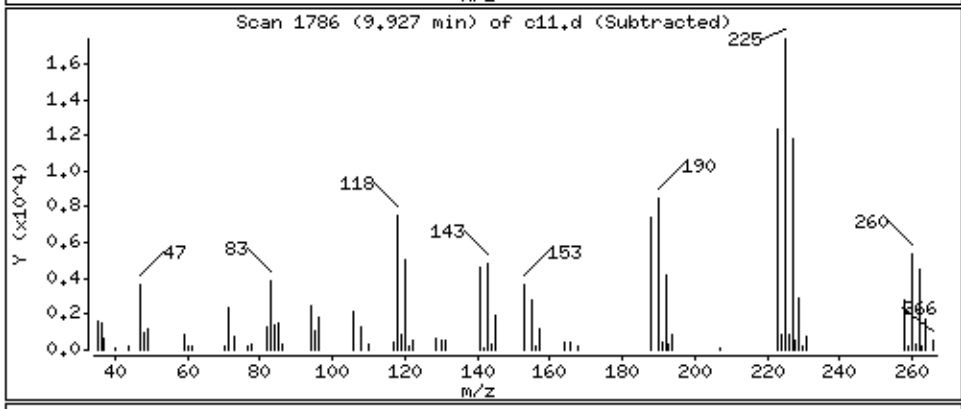
Column diameter: 0.18

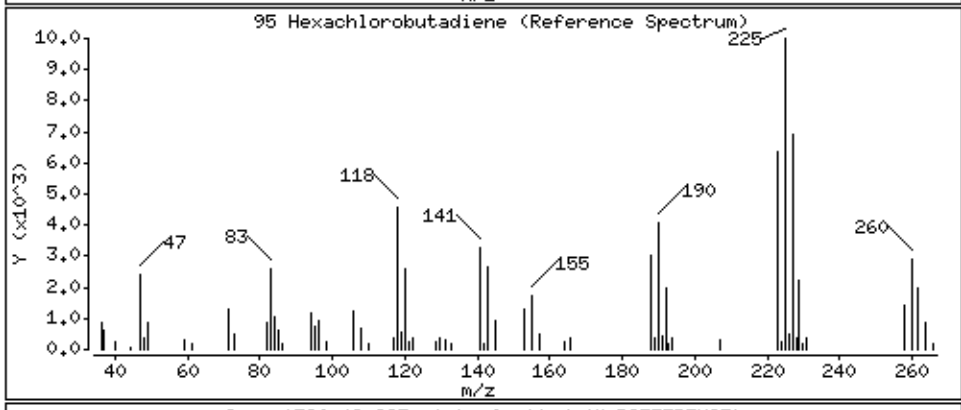
95 Hexachlorobutadiene

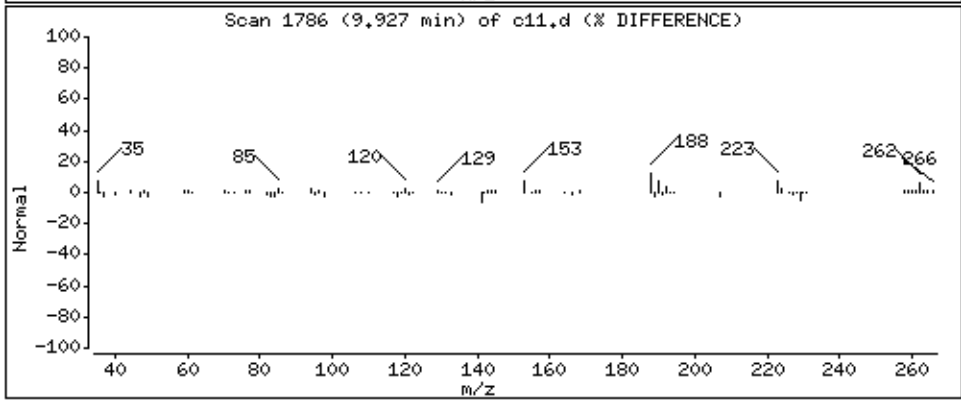
Concentration: 12.0 ppb

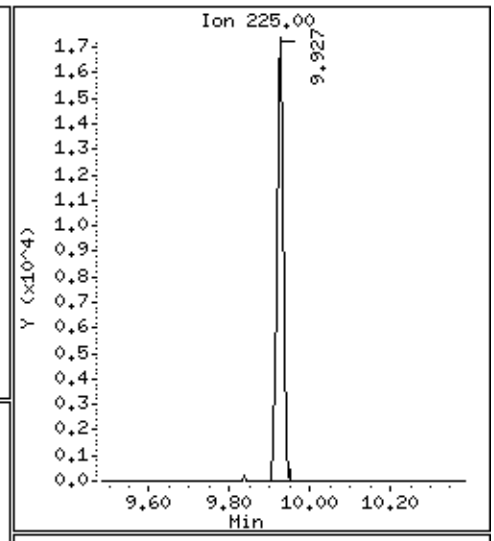
Review Code:

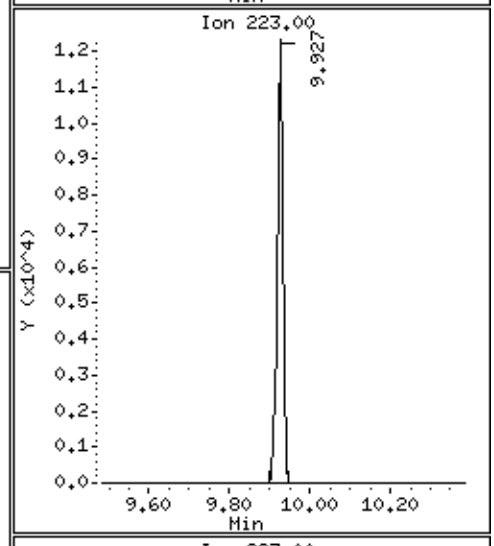


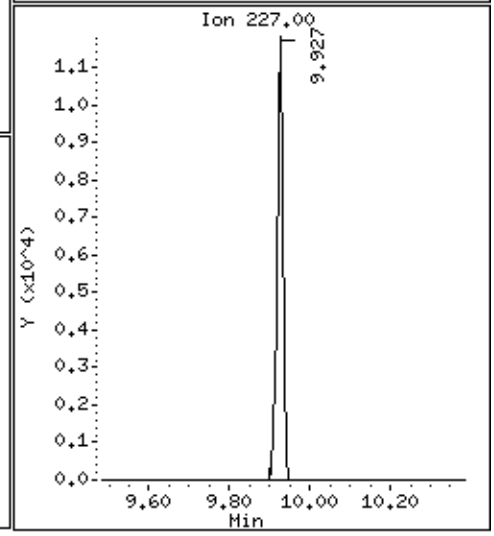












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

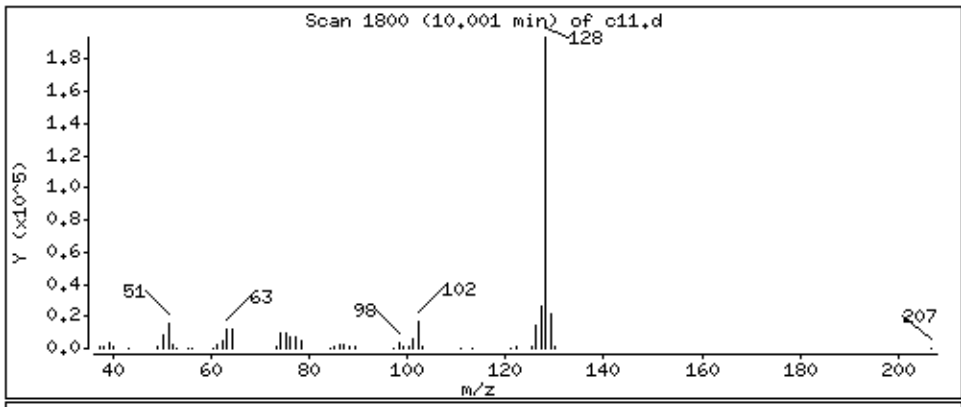
Column phase: DB-624

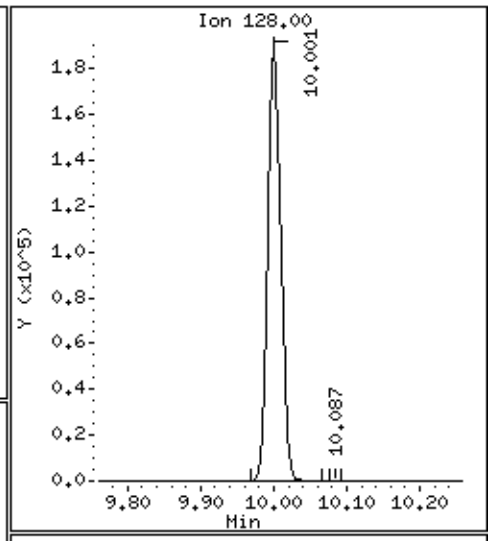
Column diameter: 0.18

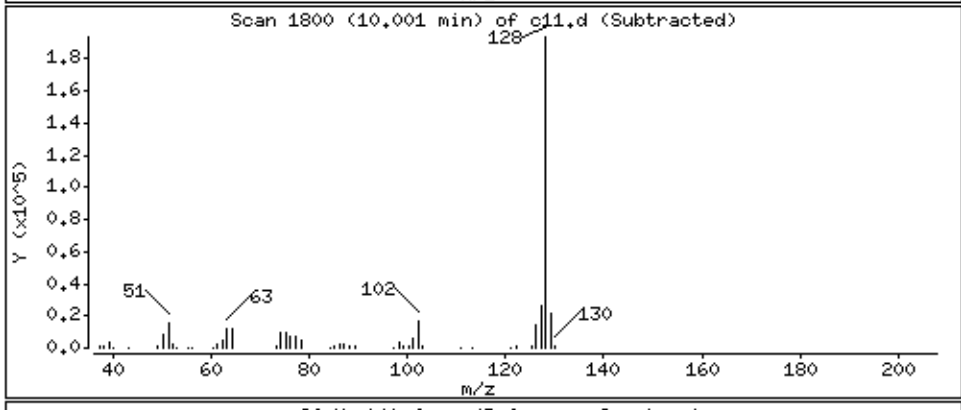
96 Naphthalene

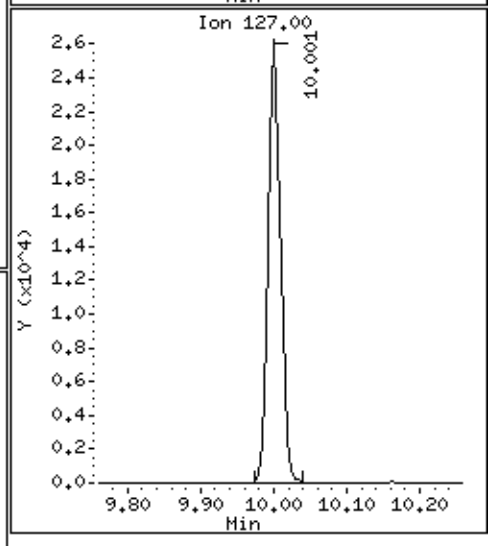
Concentration: 40.8 ppb

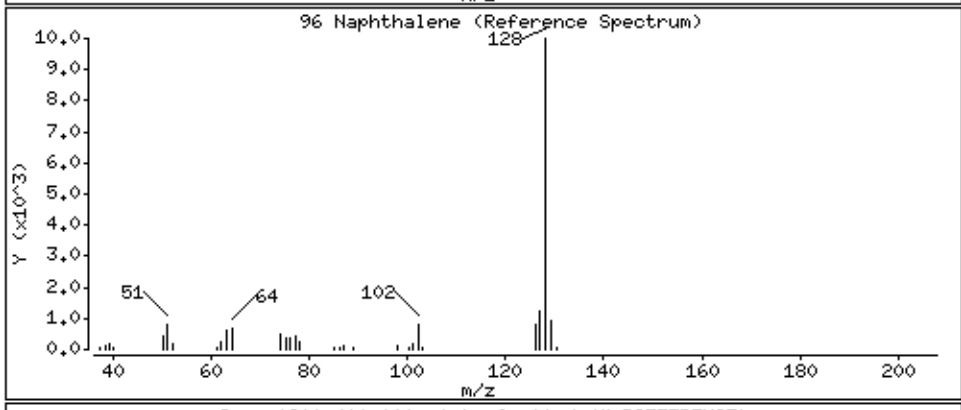
Review Code:

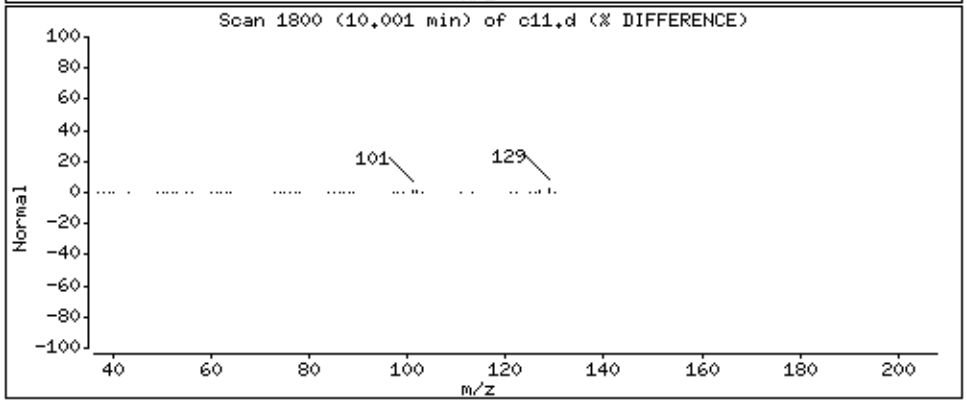












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

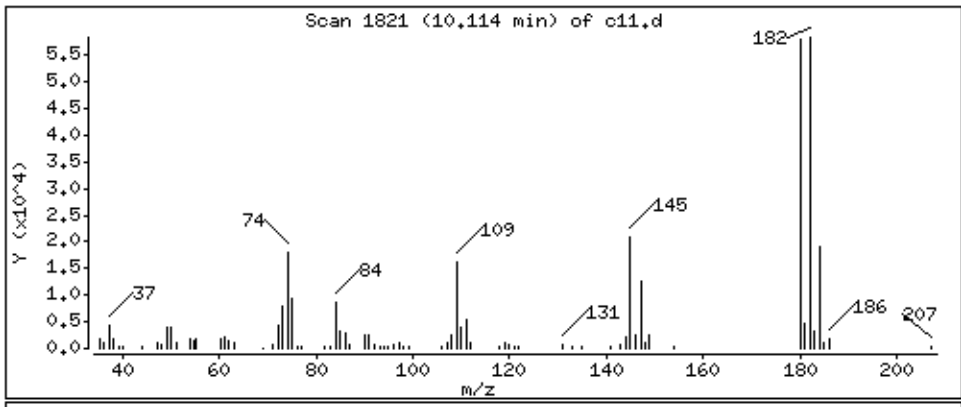
Column phase: DB-624

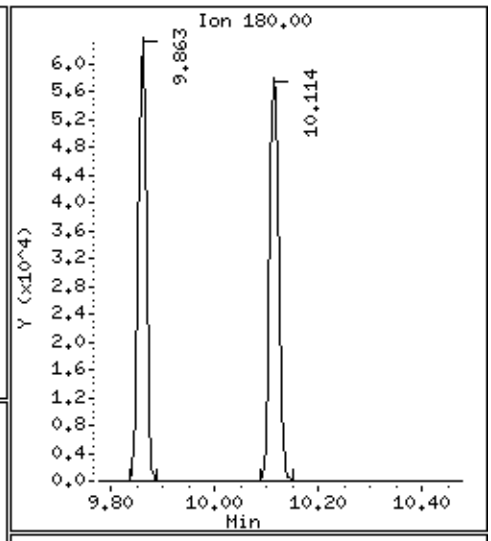
Column diameter: 0.18

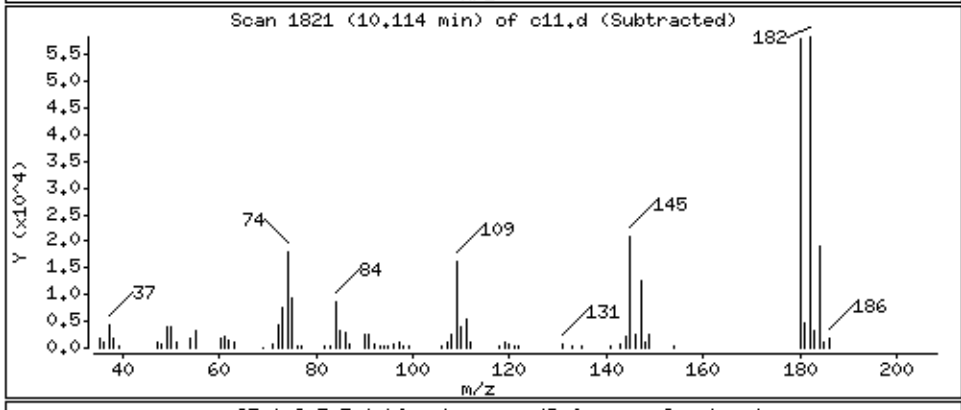
97 1,2,3-Trichlorobenzene

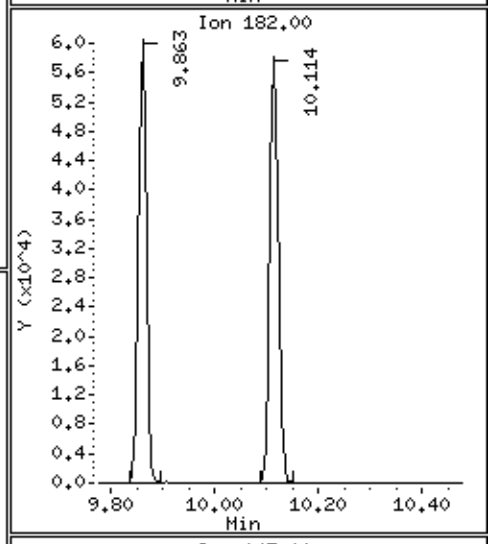
Concentration: 28.4 ppb

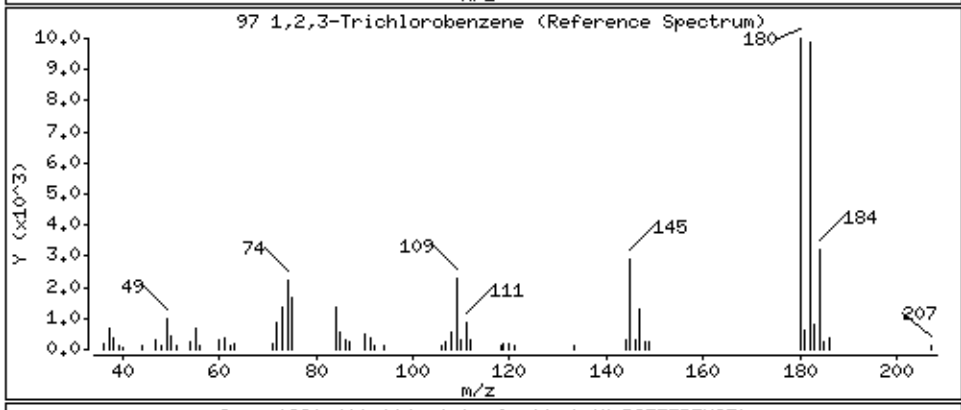
Review Code:

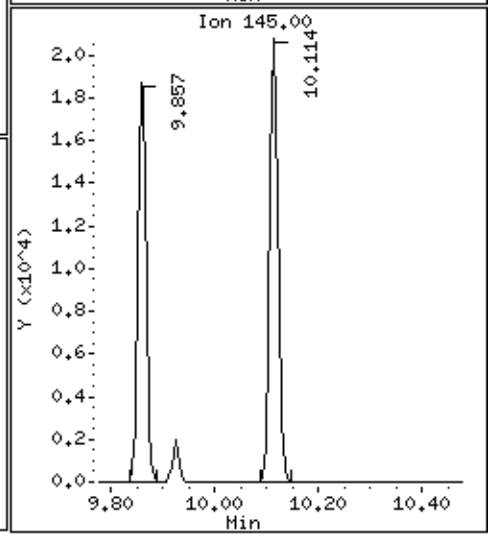


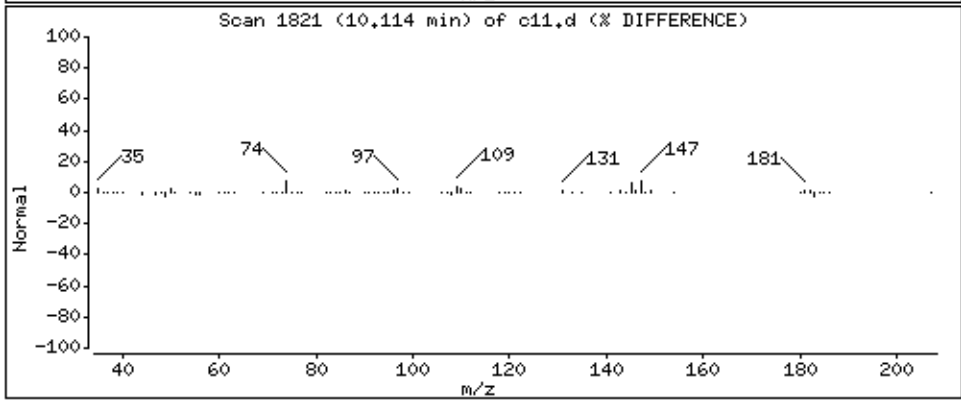












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c11.d

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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

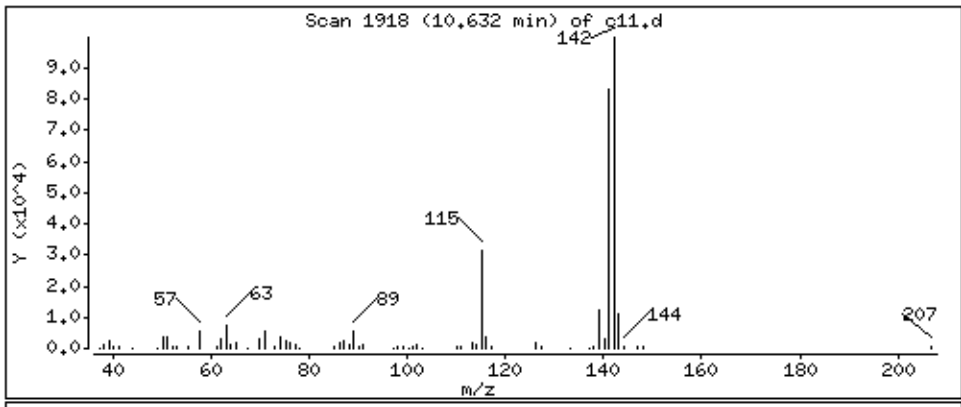
Column phase: DB-624

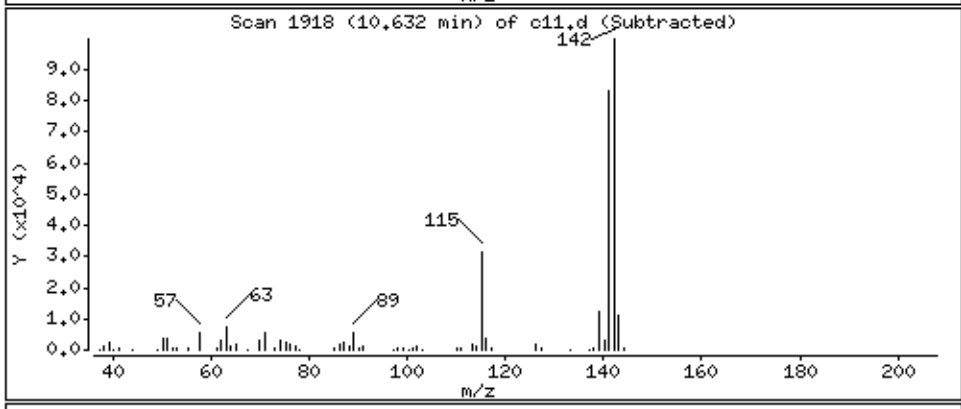
Column diameter: 0.18

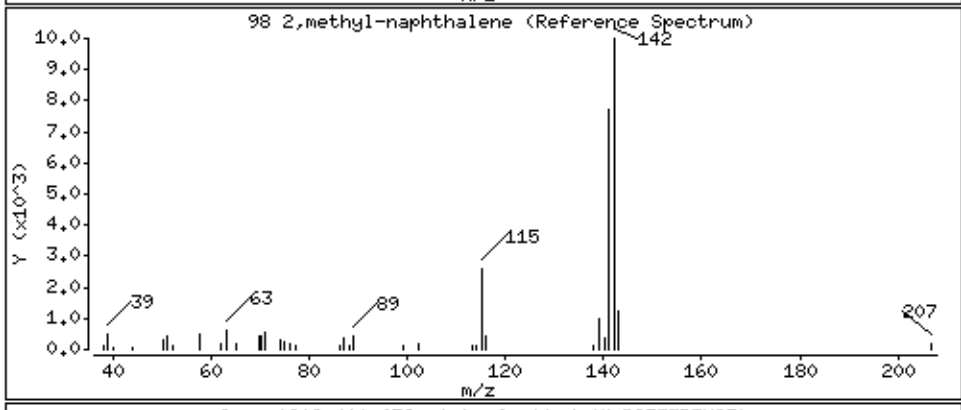
98 2,methyl-naphthalene

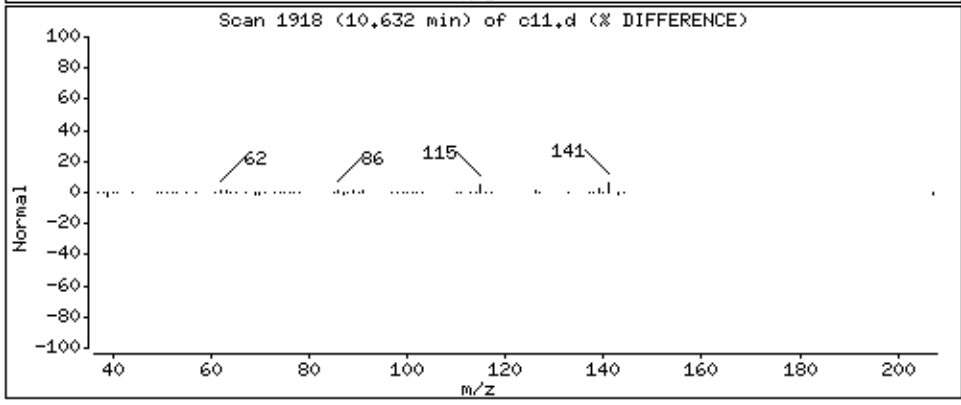
Concentration: 36.2 ppb

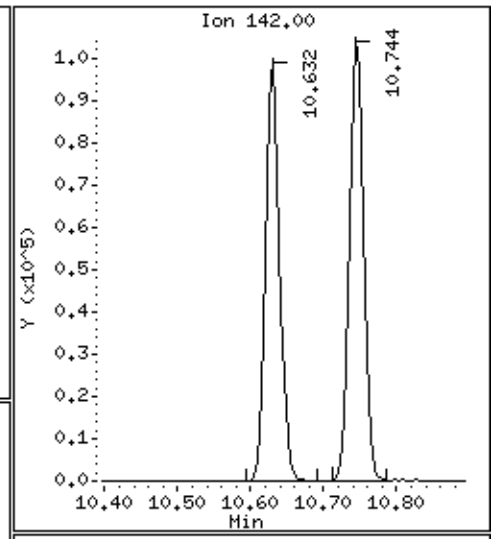
Review Code:

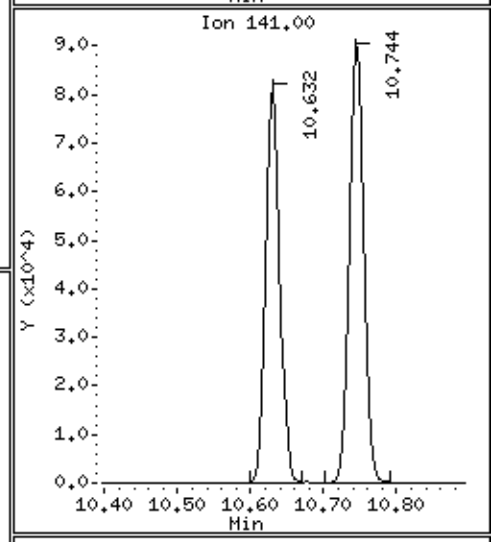


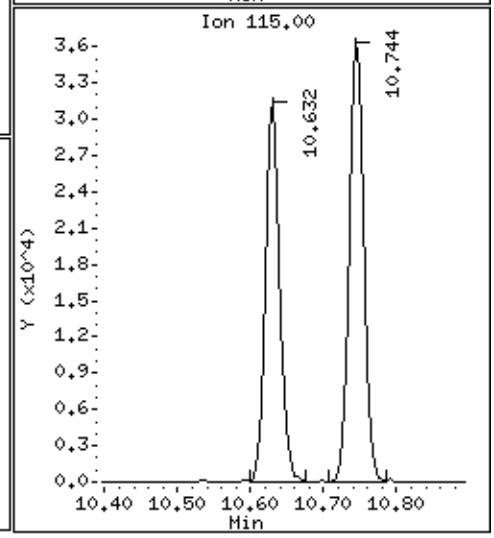












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Date : 07-OCT-2016 06:05

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642766,132007:5

Purge Volume: 5.0

Operator: jlz

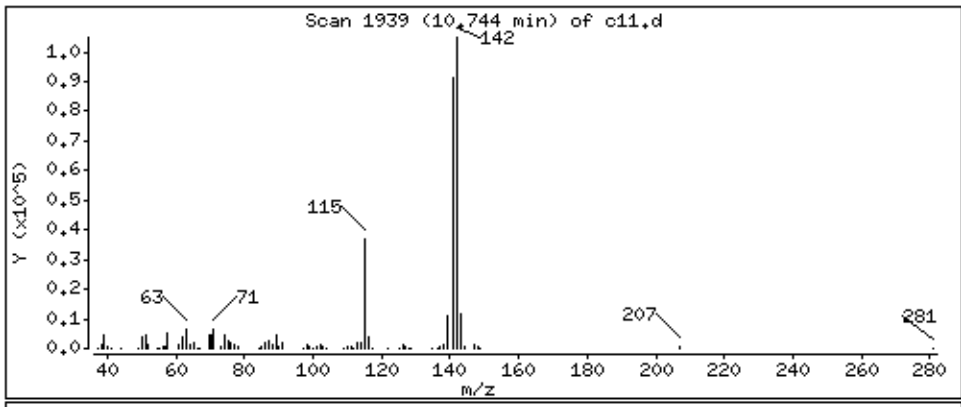
Column phase: DB-624

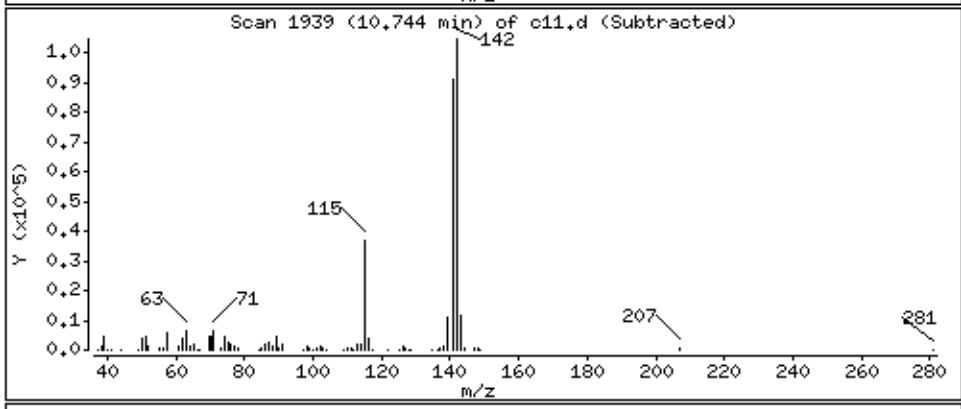
Column diameter: 0.18

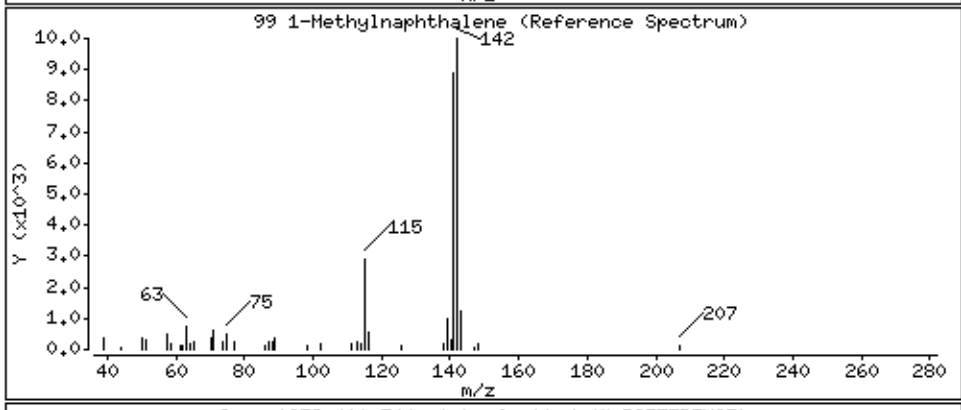
99 1-Methylnaphthalene

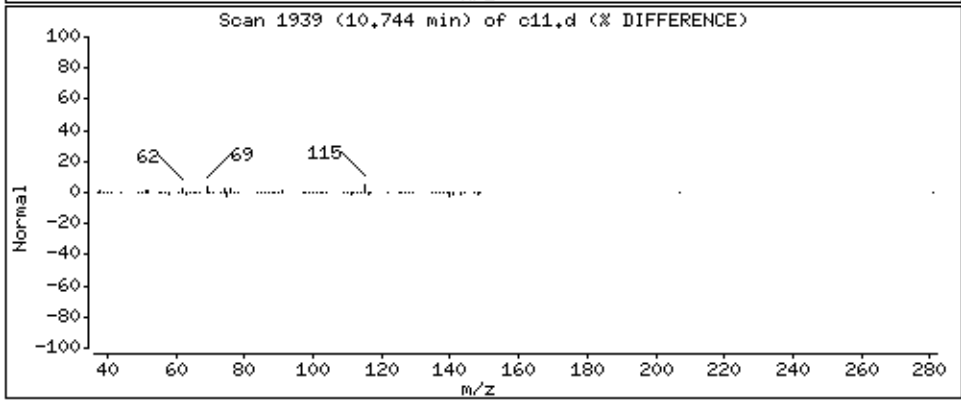
Concentration: 46.8 ppb

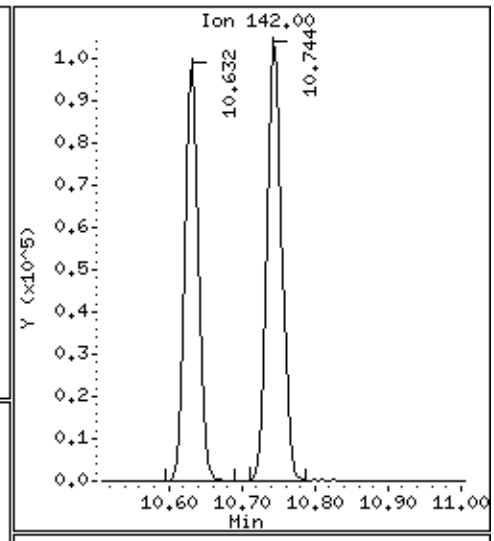
Review Code:

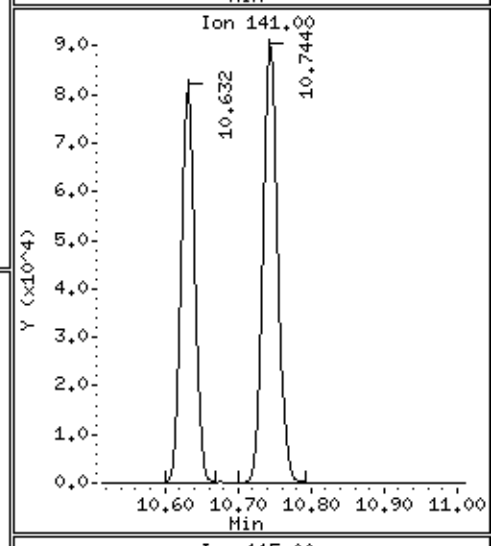


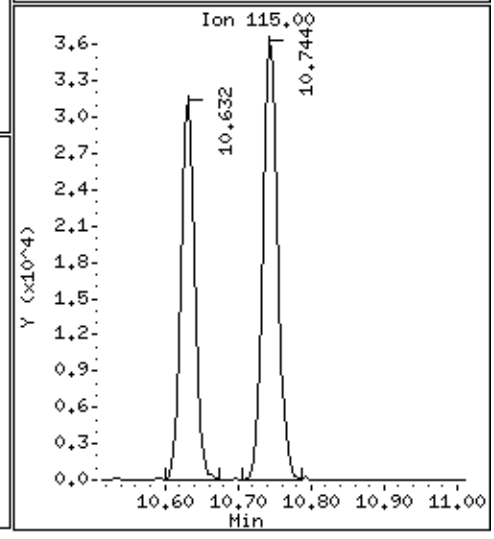












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Injection Date: 07-OCT-2016 06:05
Instrument: 50mv3a.i
Lab Sample ID: 1642766
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSD

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:37 Lab Sample ID: 1642767

Date Analyzed: 10/07/2016 06:37 Lab File ID: A100616.B\C12.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	458	
71-43-2	Benzene	42.9	
75-27-4	Bromodichloromethane	48.8	
75-25-2	Bromoform	46.3	
74-83-9	Bromomethane	46.0	
78-93-3	2-Butanone (MEK)	305	
75-15-0	Carbon disulfide	44.9	
56-23-5	Carbon tetrachloride	41.3	
108-90-7	Chlorobenzene	30.5	
75-00-3	Chloroethane	45.7	
67-66-3	Chloroform	43.1	
74-87-3	Chloromethane	46.6	
110-82-7	Cyclohexane	45.3	J
96-12-8	1,2-Dibromo-3-chloropropane	57.8	
124-48-1	Dibromochloromethane	45.0	
106-93-4	1,2-Dibromoethane (EDB)	48.6	
95-50-1	1,2-Dichlorobenzene	27.7	
541-73-1	1,3-Dichlorobenzene	23.5	
106-46-7	1,4-Dichlorobenzene	22.7	
75-71-8	Dichlorodifluoromethane	53.1	
75-34-3	1,1-Dichloroethane	46.5	
107-06-2	1,2-Dichloroethane	43.4	
75-35-4	1,1-Dichloroethene	45.5	
156-59-2	cis-1,2-Dichloroethene	45.6	
156-60-5	trans-1,2-Dichloroethene	45.0	
78-87-5	1,2-Dichloropropane	49.7	
10061-01-5	cis-1,3-Dichloropropene	41.0	
10061-02-6	trans-1,3-Dichloropropene	42.6	
100-41-4	Ethylbenzene	29.7	
591-78-6	2-Hexanone	303	
98-82-8	Isopropylbenzene (Cumene)	25.0	
79-20-9	Methyl acetate	50.6	
108-87-2	Methylcyclohexane	43.2	J
75-09-2	Methylene Chloride	58.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	278	
1634-04-4	Methyl-tert-butyl ether	53.9	
100-42-5	Styrene	31.9	

SAMPLE NO.

MSD

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 06:37 Lab Sample ID: 1642767

Date Analyzed: 10/07/2016 06:37 Lab File ID: A100616.B\C12.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	51.8	
127-18-4	Tetrachloroethene	27.9	
108-88-3	Toluene	32.1	
120-82-1	1,2,4-Trichlorobenzene	25.9	
71-55-6	1,1,1-Trichloroethane	40.6	
79-00-5	1,1,2-Trichloroethane	47.5	
79-01-6	Trichloroethene	36.2	
75-69-4	Trichlorofluoromethane	46.1	
76-13-1	1,1,2-Trichlorotrifluoroethane	44.1	
75-01-4	Vinyl chloride	50.2	
1330-20-7	Xylene (Total)	85.0	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d
Lab Smp Id: 1642767 Client Smp ID: MW-0503-S1(092716)P
Inj Date : 07-OCT-2016 06:37
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1642767,132007:5
Misc Info : 95584
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a100616.b\-a8260_a_c.m
Meth Date : 07-Oct-2016 12:23 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 71 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.907	0.908	(0.218)	124480	53.1203	53.1	
2 Chloromethane	50	0.992	0.994	(0.238)	133888	46.5554	46.6	
3 Vinyl Chloride	62	1.035	1.036	(0.249)	151758	50.2266	50.2	
4 Bromomethane	94	1.179	1.181	(0.283)	64301	45.9799	46.0	
5 Chloroethane	64	1.227	1.229	(0.295)	81526	45.6876	45.7	
6 Trichlorofluoromethane	101	1.345	1.341	(0.323)	154976	46.0559	46.0	
7 Diethyl ether	74	1.468	1.464	(0.352)	62495	48.0487	48.0	
8 1,2-dichlorotrifluoroethane	67	1.484	1.480	(0.356)	125435	43.0841	43.1	
9 Acrolein	56	1.537	1.538	(0.369)	252535	1090.43	1090	
10 1,1,2trichlorotrifluoroethane	101	1.590	1.592	(0.382)	109687	44.0928	44.1	
11 1,1-Dichloroethene	96	1.596	1.592	(0.383)	92700	45.5345	45.5	
12 Acetone	43	1.606	1.602	(0.386)	188844	457.982	458(R)	
13 Iodomethane	142	1.681	1.683	(0.404)	203988	106.269	106	
14 Carbon Disulfide	76	1.729	1.731	(0.415)	282536	44.9073	44.9	
15 Methyl Acetate	43	1.772	1.773	(0.426)	62936	50.5760	50.6	
16 allyl chloride	41	1.788	1.789	(0.429)	364687	91.3723	91.4	
17 Acetonitrile	39	1.788	1.789	(0.429)	229419	39.8792	39.9	
18 Methylene Chloride	84	1.863	1.864	(0.447)	120444	58.8519	58.8	
19 Acrylonitrile	53	1.996	1.998	(0.479)	120887	229.657	230	
20 Methyl-tert-butyl ether	73	2.023	2.024	(0.486)	296607	53.8883	53.9	
21 tert-Butyl Alcohol	59	1.900	1.902	(0.456)	20940	132.327	132(Q)	
22 1,2-Dichloroethene (trans)	96	2.039	2.035	(0.490)	103183	45.0031	45.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 n-Hexane	57	2.221	2.222	(0.533)	215534	47.3353	47.3	
	24 Vinyl Acetate	43	2.327	2.329	(0.559)	543743	151.047	151	
	25 1,1-Dichloroethane	63	2.338	2.340	(0.561)	199914	46.4685	46.5	
	26 Chloroprene	53	2.397	2.398	(0.576)	182842	41.0163	41.0	
	27 2-Butanone	72	2.798	2.799	(0.672)	46916	305.036	305(Q)	
	28 1,2-Dichloroethene (cis)	96	2.814	2.815	(0.676)	112044	45.6128	45.6(Q)	
	29 2,2-Dichloropropane	77	2.819	2.820	(0.677)	144656	42.4241	42.4	
	30 Propionitrile	54	2.867	2.863	(0.688)	10811	49.3169	49.3(Q)	
	31 Methacrylonitrile	41	3.000	3.002	(0.720)	234802	230.195	230	
	32 Bromochloromethane	49	3.049	3.045	(0.732)	84783	48.1246	48.1	
	33 Tetrahydrofuran	42	3.070	3.066	(0.737)	24894	53.7588	53.8	
	34 Chloroform	83	3.155	3.157	(0.758)	171183	43.1128	43.1	
$	35 Dibromofluoromethane (S)	113	3.332	3.328	(0.800)	99532	47.9407	47.9	
	36 1,1,1-Trichloroethane	97	3.337	3.333	(0.801)	152480	40.5515	40.6	
	37 Cyclohexane	56	3.417	3.418	(0.820)	204368	45.3222	45.3	
	38 n-Butyl chloride	56	3.481	3.483	(0.836)	241598	42.9109	42.9	
	39 Carbon Tetrachloride	117	3.519	3.520	(0.845)	129847	41.2578	41.2	
	40 1,1-Dichloropropene	75	3.524	3.525	(0.846)	137238	40.4394	40.4(R)	
	41 Benzene	78	3.764	3.766	(0.904)	405132	42.8866	42.9	
	42 1,2-Dichloroethane	62	3.850	3.851	(0.924)	124448	43.4156	43.4	
	43 2,2,4-Trimethylpentane	57	3.946	3.942	(0.947)	525957	46.2809	46.3	
	44 Isobutyl alcohol	43	3.876	3.878	(0.931)	801972	52.0288	52.0	
*	45 Fluorobenzene (IS)	96	4.165	4.166	(1.000)	459138	50.0000		
	46 Trichloroethene	95	4.619	4.620	(1.109)	86492	36.1676	36.2(R)	
	47 Methylcyclohexane	55	4.886	4.887	(1.173)	158766	43.2487	43.2(R)	
	48 1,2-Dichloropropane	63	4.923	4.925	(1.182)	110253	49.7443	49.7	
	49 Dibromomethane	93	5.019	5.021	(1.205)	49857	49.2112	49.2	
	50 1,4-Dioxane	88	5.030	5.031	(1.208)	17318	1251.17	1250	
	51 Methyl methacrylate	69	5.041	5.042	(1.210)	64328	64.8694	64.9	
	52 Bromodichloromethane	83	5.244	5.245	(1.259)	124721	48.8089	48.8	
	54 cis-1,3-Dichloropropene	75	5.746	5.742	(0.783)	143037	40.9688	41.0	
	55 4-Methyl-2-Pentanone	43	5.917	5.918	(0.806)	446128	278.380	278	
$	56 Toluene-d8 (S)	98	6.018	6.020	(0.820)	445057	46.2469	46.2	
	57 Toluene	91	6.093	6.089	(0.830)	366740	32.0993	32.1(R)	
	58 trans-1,3-Dichloropropene	75	6.376	6.377	(0.868)	120534	42.6144	42.6	
	59 Ethyl Methacrylate	69	6.461	6.463	(0.880)	484907	230.828	231	
	60 1,1,2-Trichloroethane	83	6.563	6.564	(0.894)	64595	47.4983	47.5	
	61 Tetrachloroethene	166	6.616	6.618	(0.901)	72485	27.9322	27.9(R)	
	62 1,3-Dichloropropane	76	6.702	6.703	(0.913)	139159	48.6171	48.6	
	63 2-Hexanone	43	6.771	6.773	(0.922)	307905	302.825	303	
	64 Dibromochloromethane	129	6.889	6.890	(0.938)	85779	45.0104	45.0	
	65 1,2-Dibromoethane	107	6.974	6.970	(0.950)	71289	48.6420	48.6	
*	66 Chlorobenzene-D5 (IS)	117	7.343	7.344	(1.000)	310364	50.0000		
	67 Chlorobenzene	112	7.364	7.365	(1.003)	194482	30.4540	30.4(R)	
	68 1,1,1,2-Tetrachloroethane	131	7.444	7.440	(1.014)	83046	41.2255	41.2	
	69 Ethylbenzene	106	7.450	7.451	(1.015)	104211	29.7433	29.7(R)	
	70 m&p-Xylene	106	7.546	7.547	(1.028)	233615	54.3140	54.3(R)	
	71 o-Xylene	106	7.807	7.809	(1.063)	122050	30.6490	30.6(R)	
	72 Styrene	104	7.823	7.825	(1.065)	205740	31.9175	31.9(R)	
	73 Bromoform	173	7.941	7.942	(0.898)	44685	46.3067	46.3	
	74 Isopropylbenzene	105	8.053	8.054	(1.097)	275524	24.9792	25.0(R)	
$	75 4-Bromofluorobenzene (S)	95	8.165	8.161	(1.112)	146718	53.0198	53.0	
	76 Bromobenzene	77	8.240	8.241	(1.122)	117627	32.4601	32.5(R)	
	77 1,1,2,2-Tetrachloroethane	83	8.256	8.257	(0.934)	90071	51.8091	51.8	

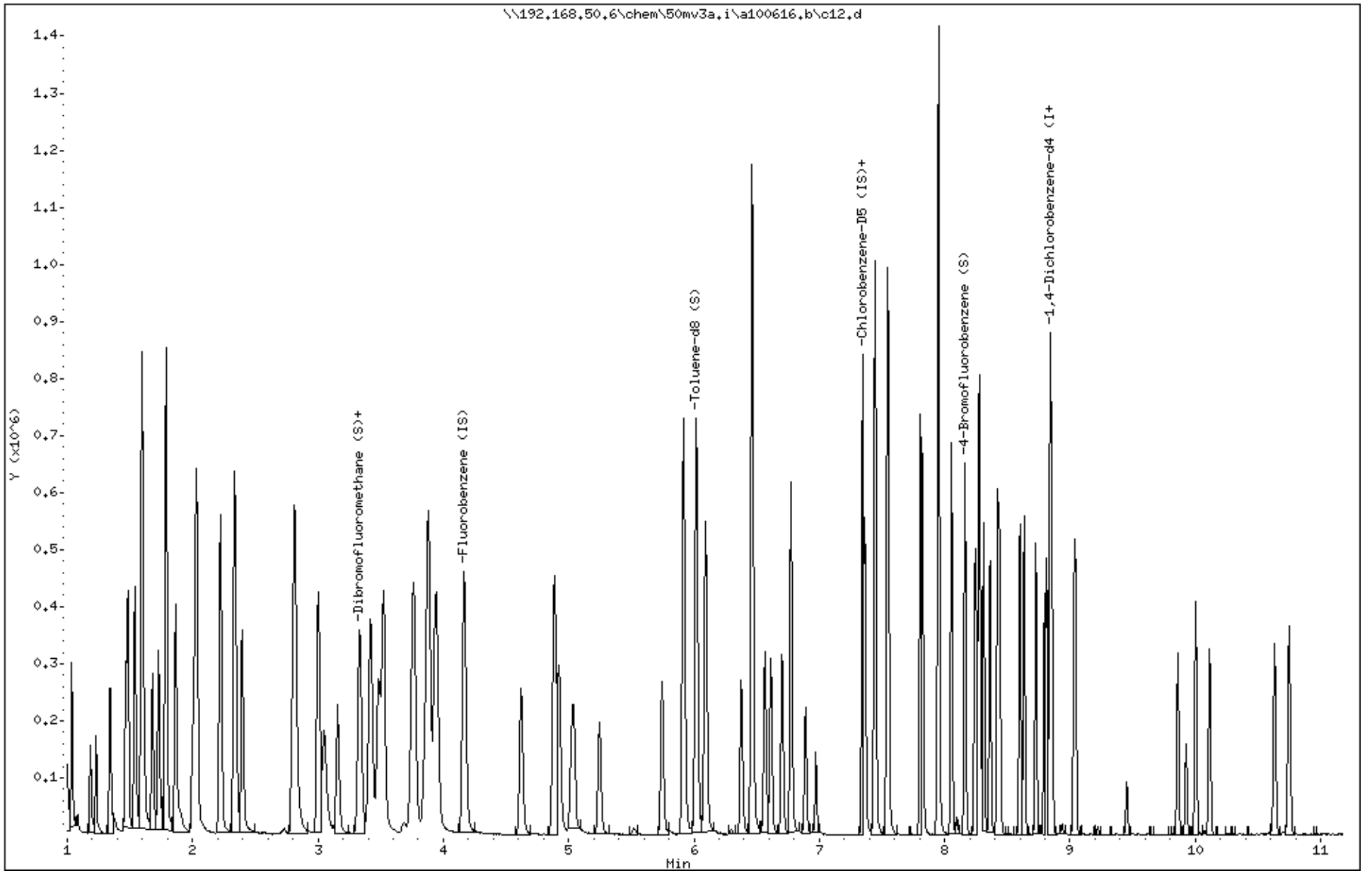
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.272	8.273	(1.127)	97202	192.401	192(Q)	
79	1,2,3-Trichloropropane	110	8.283	8.284	(0.937)	28458	51.5919	51.6(Q)	
80	n-Propylbenzene	91	8.309	8.311	(0.940)	262206	21.1381	21.1(R)	
81	2-Chlorotoluene	91	8.363	8.359	(0.946)	178722	25.7523	25.8(R)	
82	1,3,5-Trimethylbenzene	105	8.422	8.423	(0.953)	190677	22.7394	22.7(R)	
83	4-Chlorotoluene	126	8.432	8.434	(0.954)	56216	22.8952	22.9(R)	
84	tert-Butylbenzene	119	8.603	8.599	(0.973)	173929	18.1706	18.2(R)	
85	1,2,4-Trimethylbenzene	105	8.635	8.637	(0.977)	193764	22.9118	22.9(R)	
86	sec-Butylbenzene	105	8.726	8.727	(0.987)	215837	18.9708	19.0(R)	
87	1,3-Dichlorobenzene	146	8.796	8.797	(0.995)	104088	23.4810	23.5(R)	
88	p-Isopropyltoluene	119	8.812	8.813	(0.997)	166847	17.5893	17.6(R)	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.840	(1.000)	138227	50.0000		
90	1,4-Dichlorobenzene	146	8.854	8.856	(1.002)	104210	22.6908	22.7(R)	
91	n-Butylbenzene	91	9.031	9.032	(1.022)	122933	14.3429	14.3(R)	
92	1,2-Dichlorobenzene	146	9.047	9.048	(1.024)	111311	27.7237	27.7(R)	
93	1,2,4-Trichlorobenzene	180	9.858	9.870	(1.115)	68802	25.8517	25.8(R)	
94	1,2-Dibromo-3-chloropropane	155	9.452	9.459	(1.069)	12936	57.8158	57.8	
95	Hexachlorobutadiene	225	9.922	9.935	(1.123)	20829	12.7543	12.8(R)	
96	Naphthalene	128	10.003	10.009	(1.132)	233525	42.9028	42.9	
97	1,2,3-Trichlorobenzene	180	10.115	10.127	(1.144)	74314	29.5063	29.5(R)	
98	2,methyl-naphthalene	142	10.633	10.645	(1.203)	134933	37.9753	38.0	
99	1-Methylnaphthalene	142	10.745	10.757	(1.216)	149896	49.3224	49.3	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d
Date : 07-OCT-2016 06:37
Client ID: MW-0503-S1(092716)P
Sample Info: 1642767,132007:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

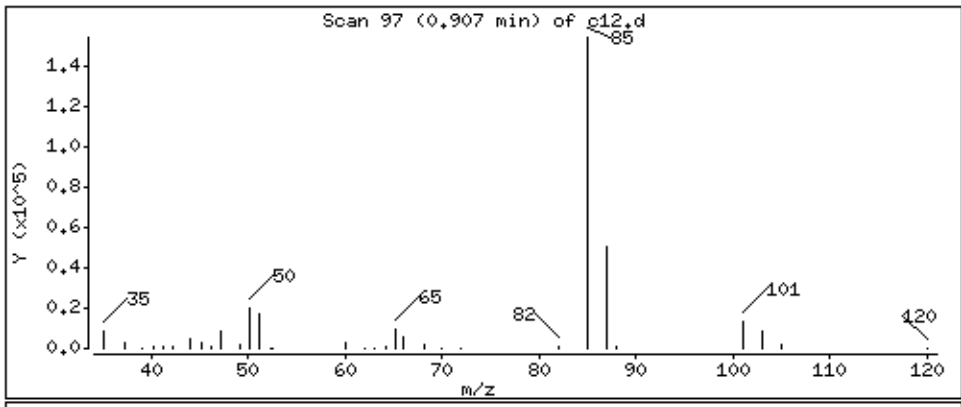
Column phase: DB-624

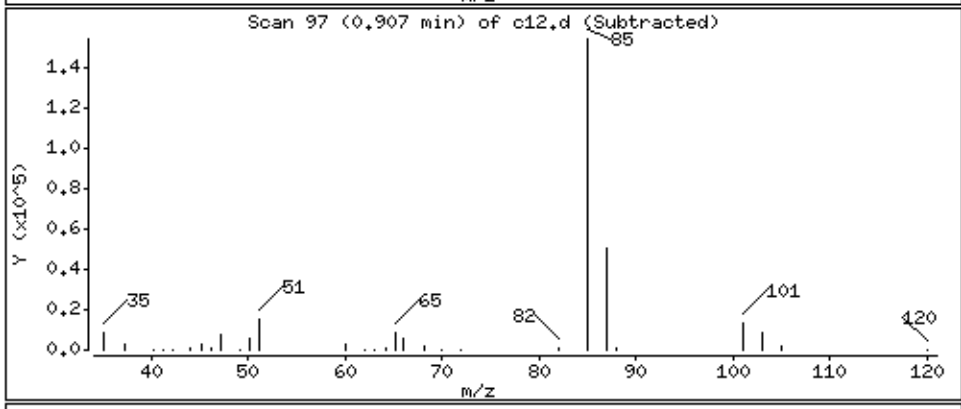
Column diameter: 0.18

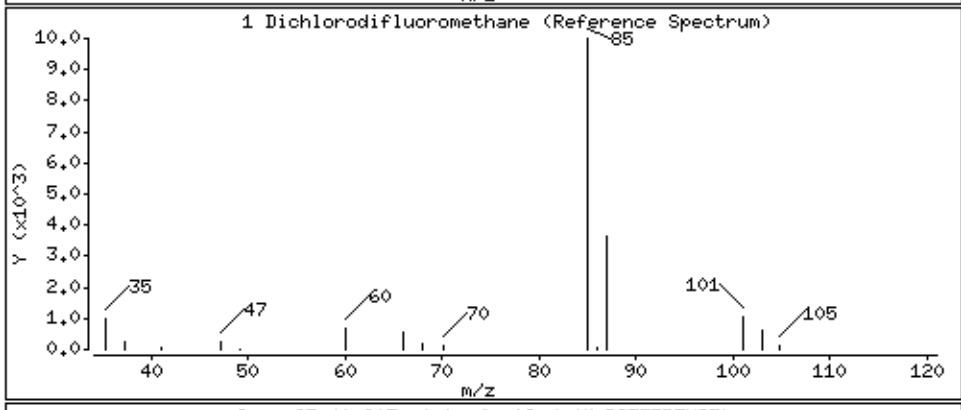
1 Dichlorodifluoromethane

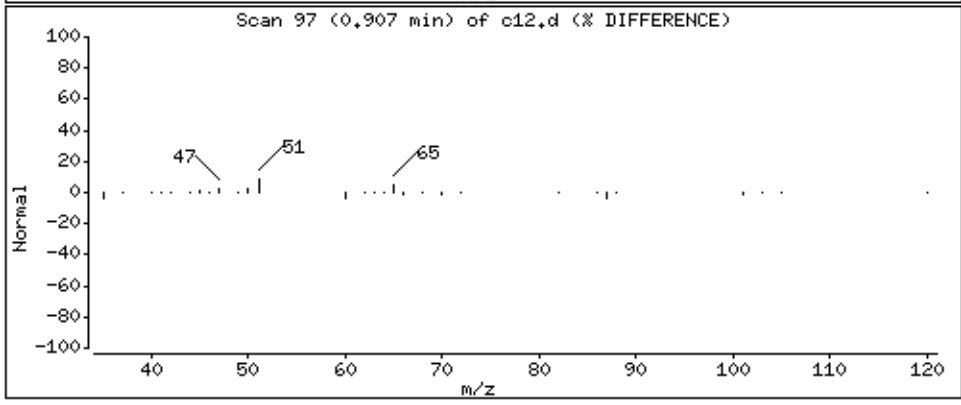
Concentration: 53.1 ppb

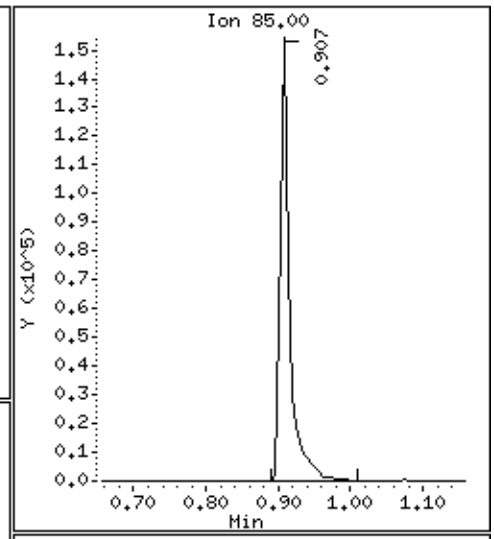
Review Code:

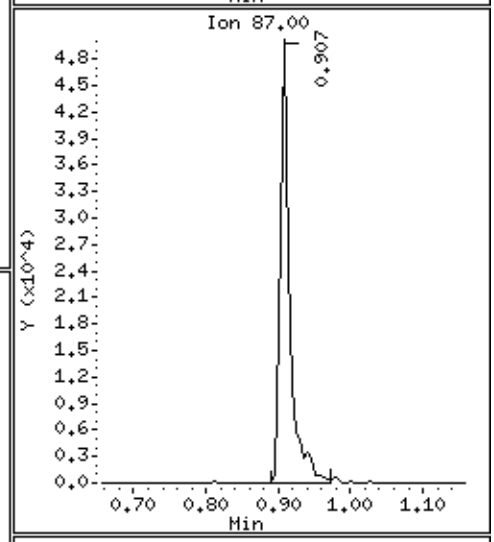


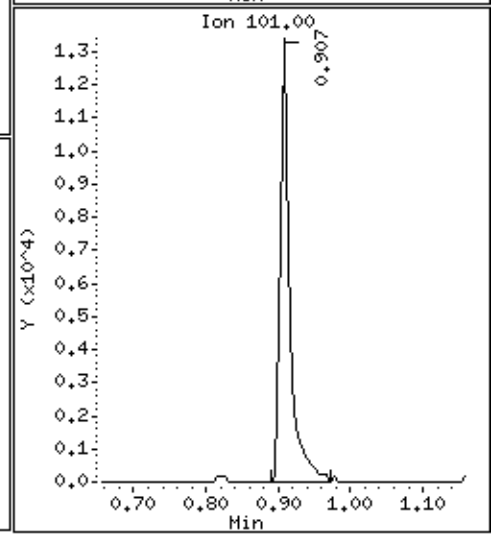












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

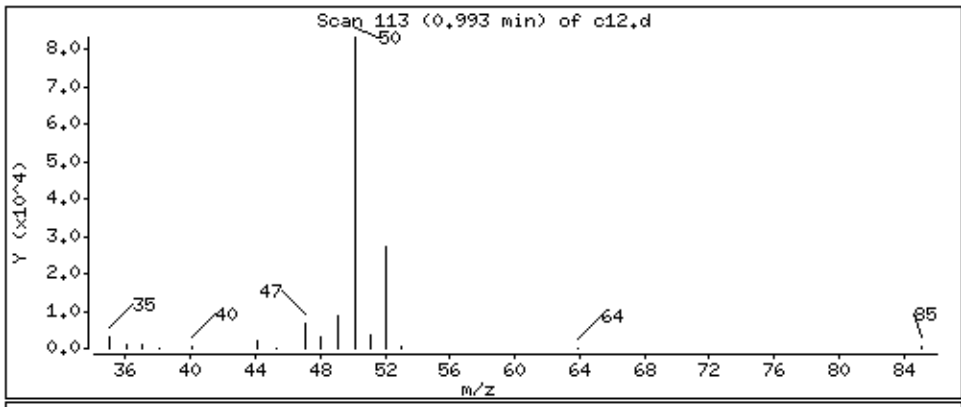
Column phase: DB-624

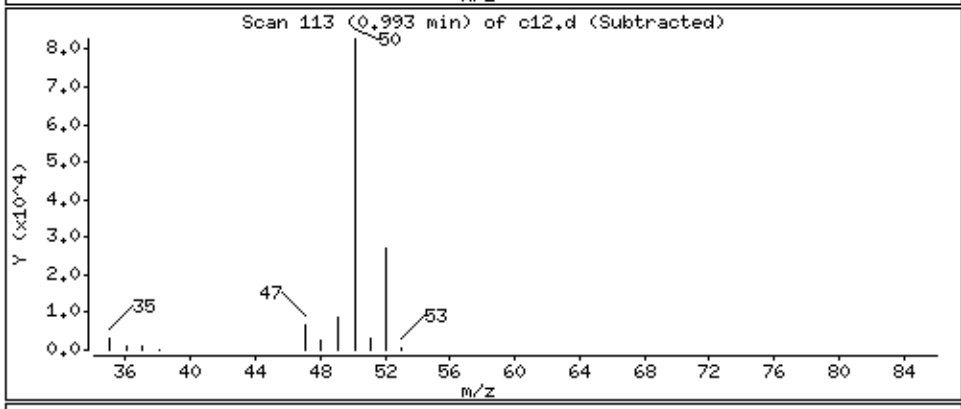
Column diameter: 0.18

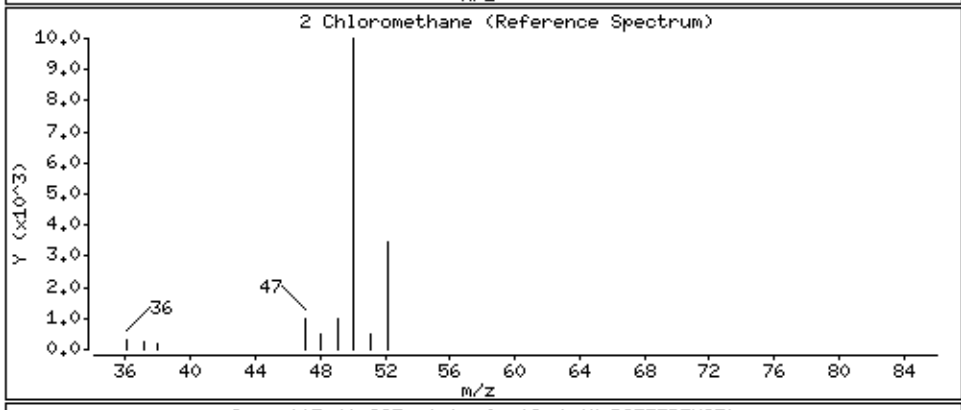
2 Chloromethane

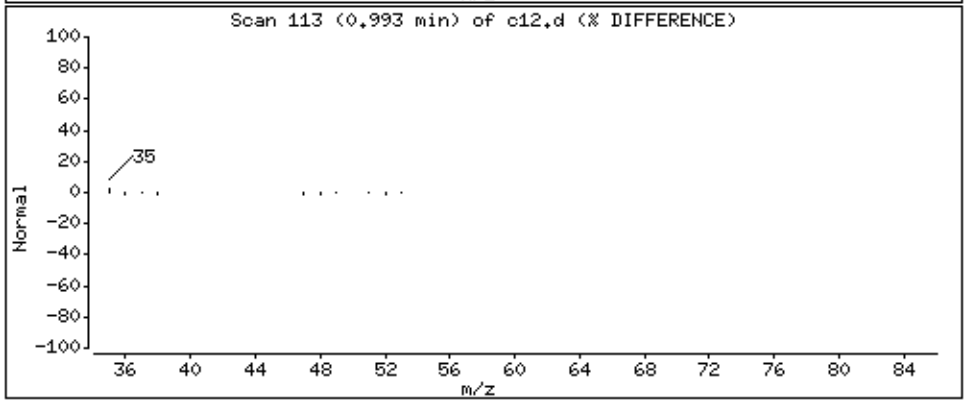
Concentration: 46.6 ppb

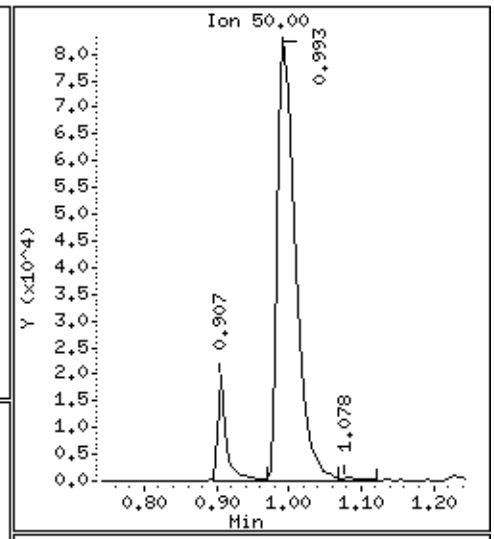
Review Code:

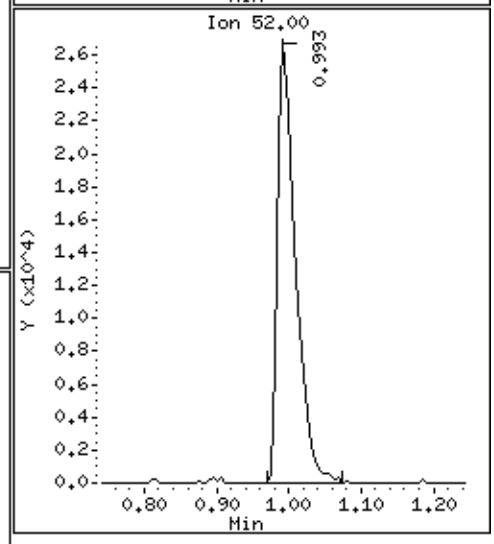












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

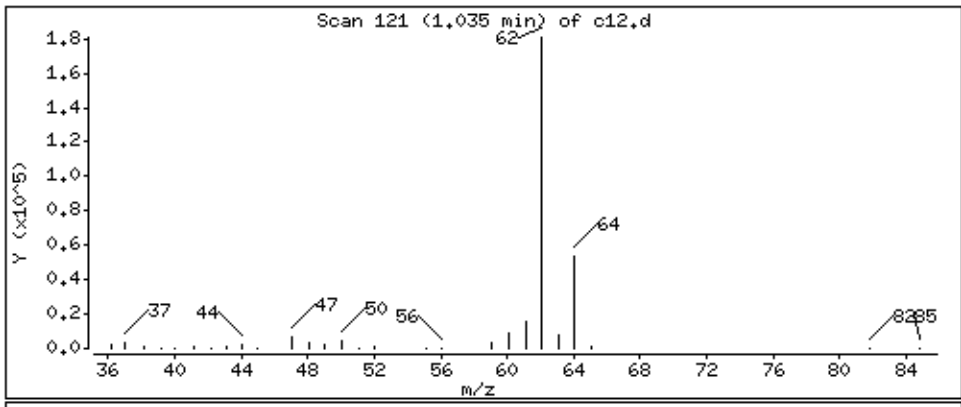
Column phase: DB-624

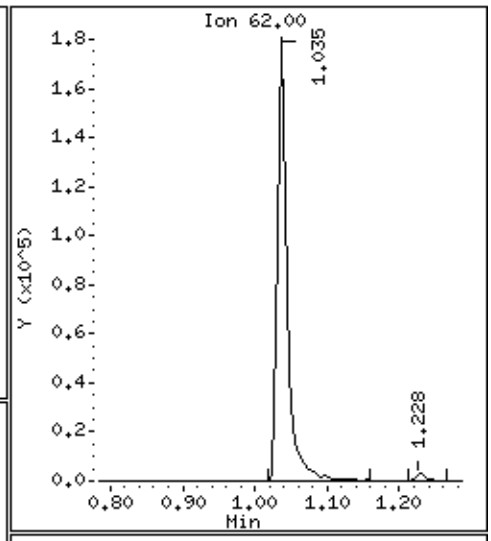
Column diameter: 0.18

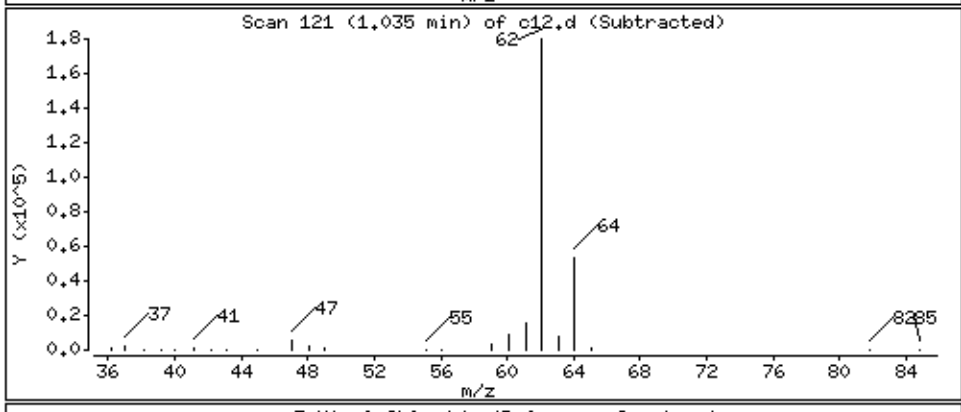
3 Vinyl Chloride

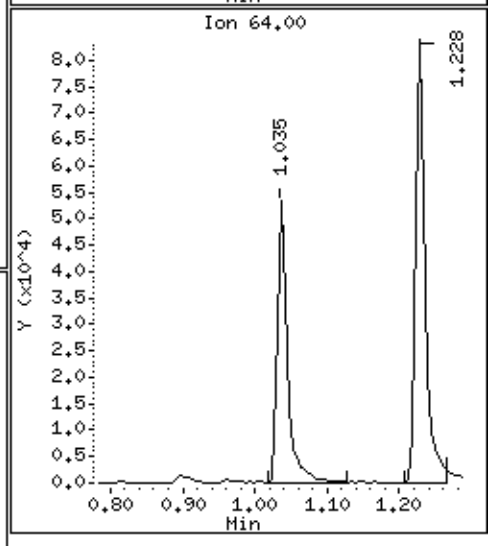
Concentration: 50.2 ppb

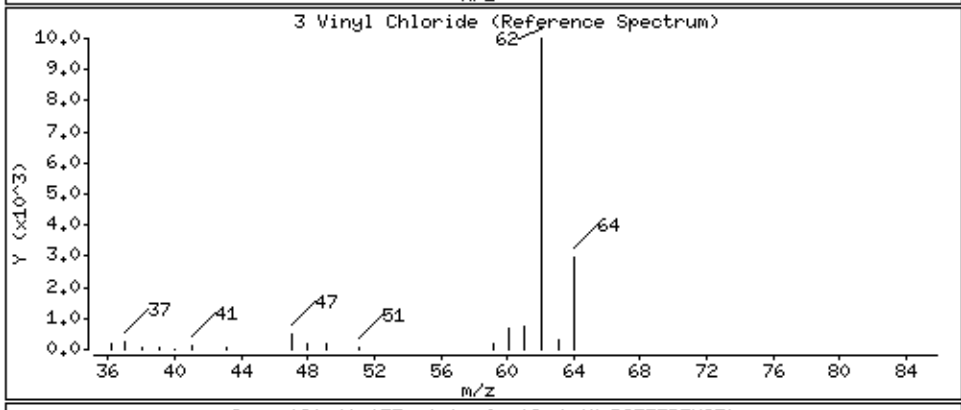
Review Code:

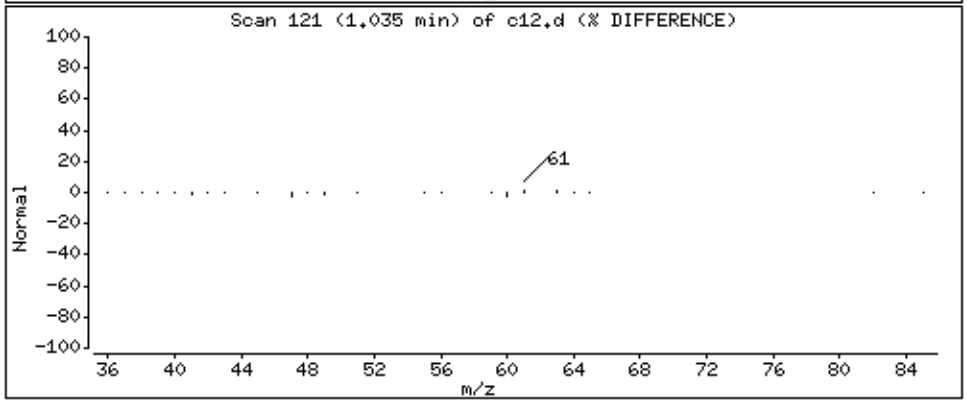












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

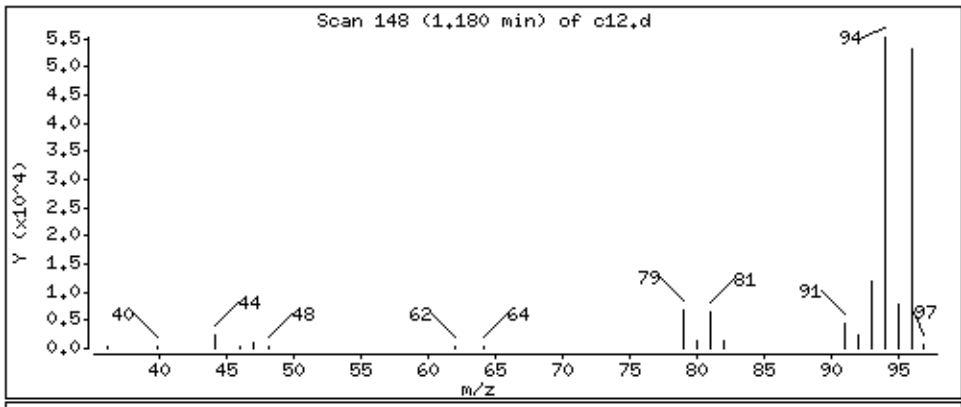
Column phase: DB-624

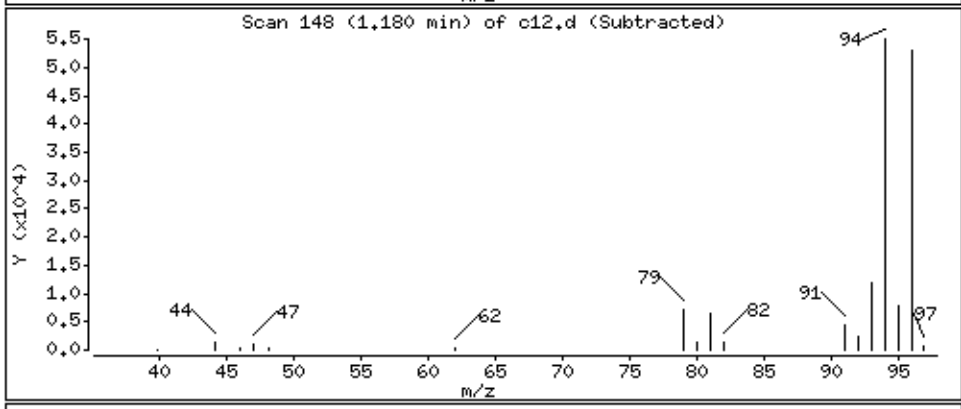
Column diameter: 0.18

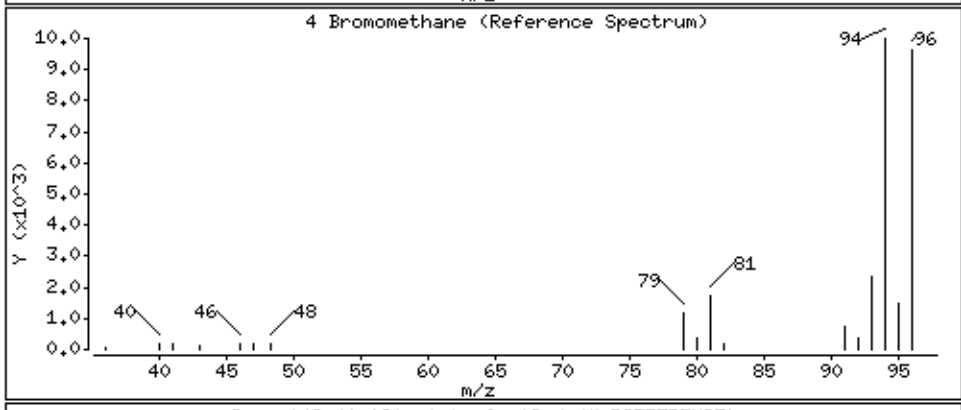
4 Bromomethane

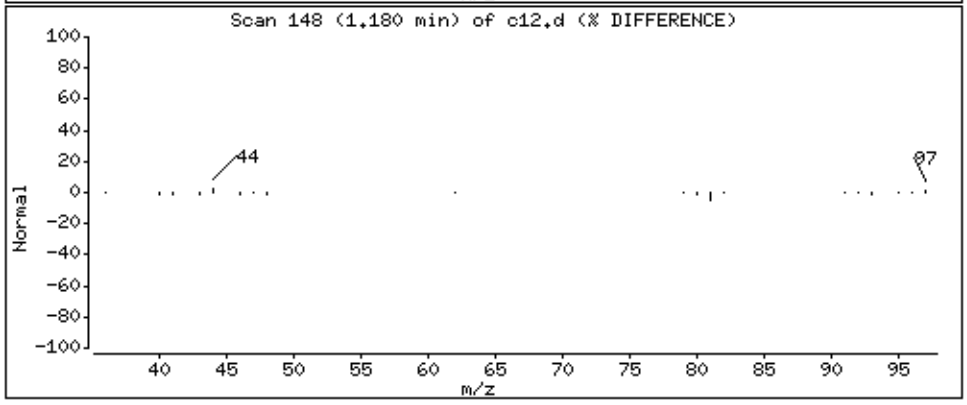
Concentration: 46.0 ppb

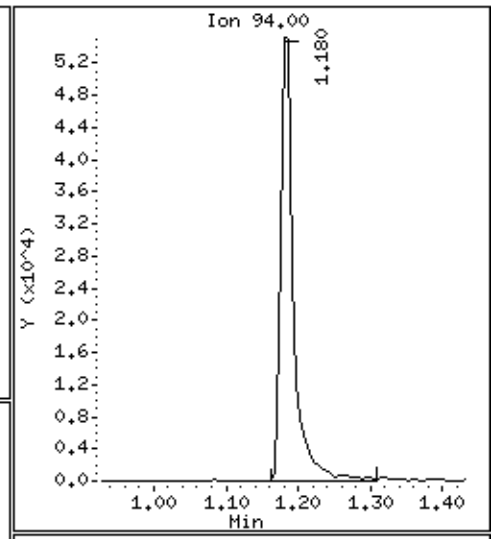
Review Code:

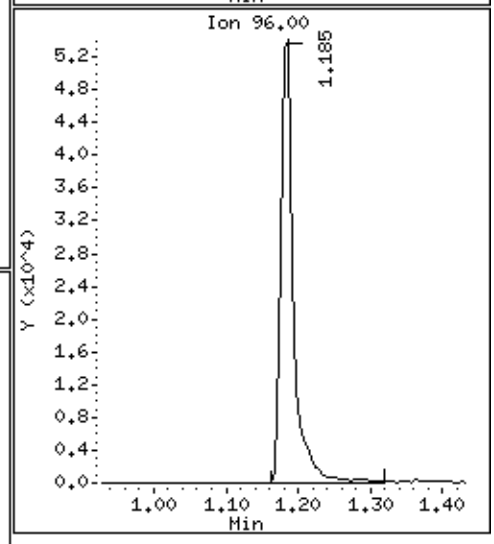












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

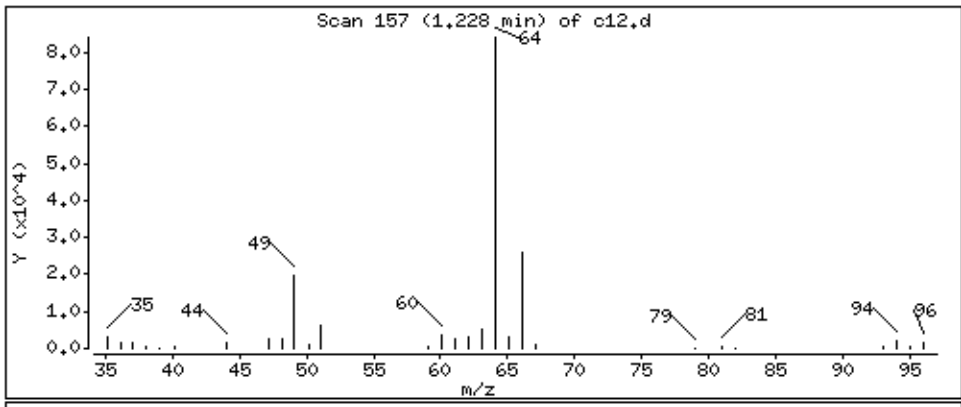
Column phase: DB-624

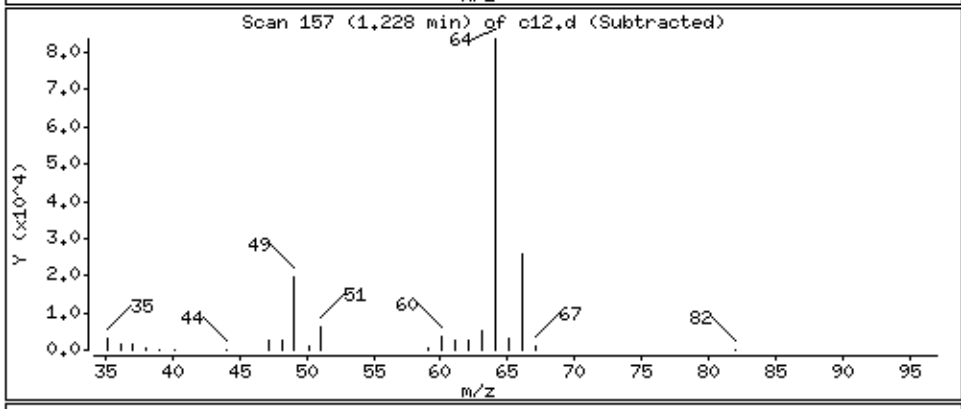
Column diameter: 0.18

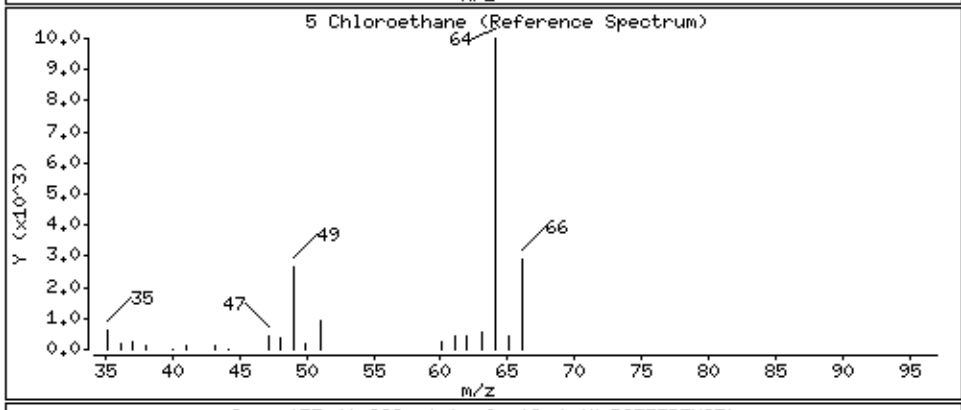
5 Chloroethane

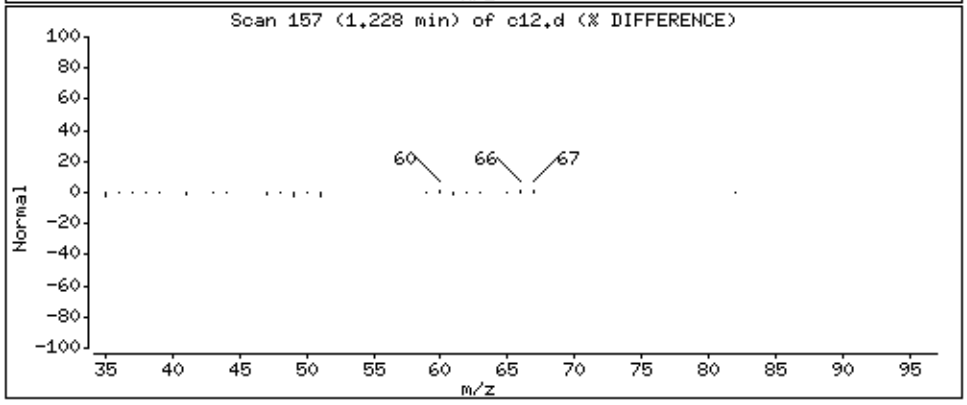
Concentration: 45.7 ppb

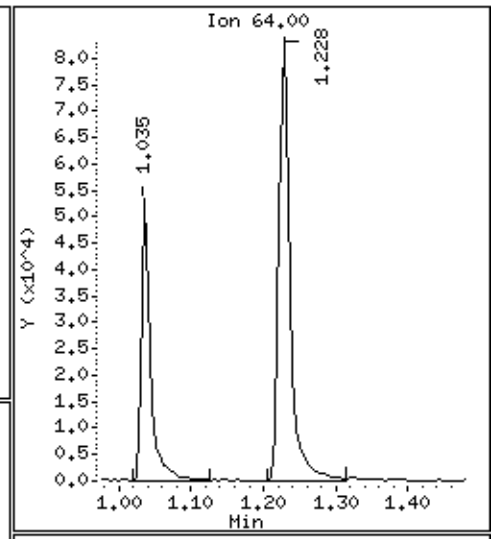
Review Code:

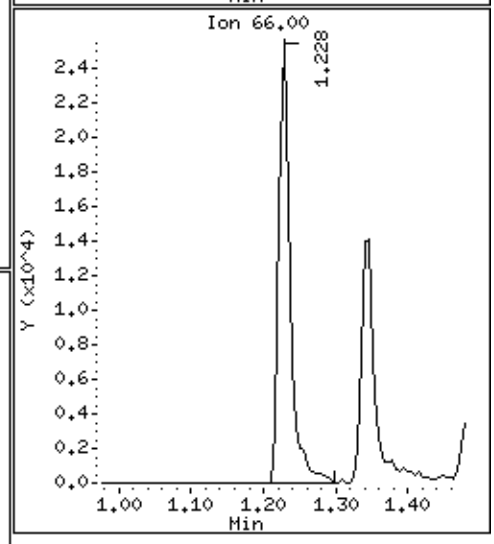












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

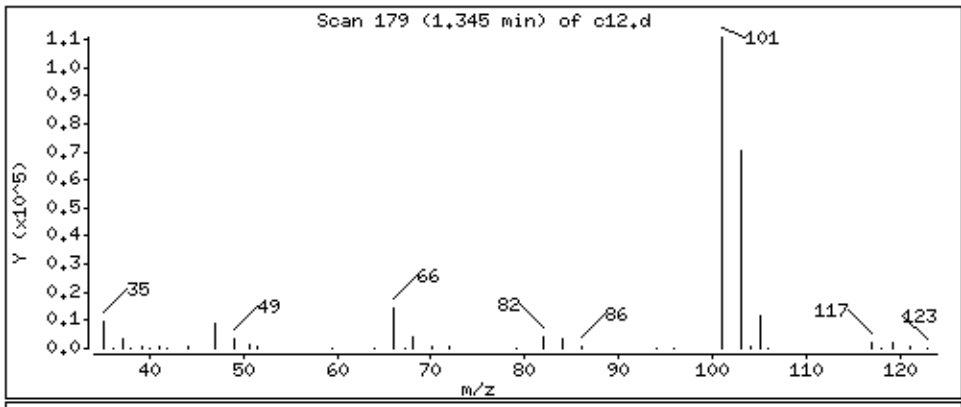
Column phase: DB-624

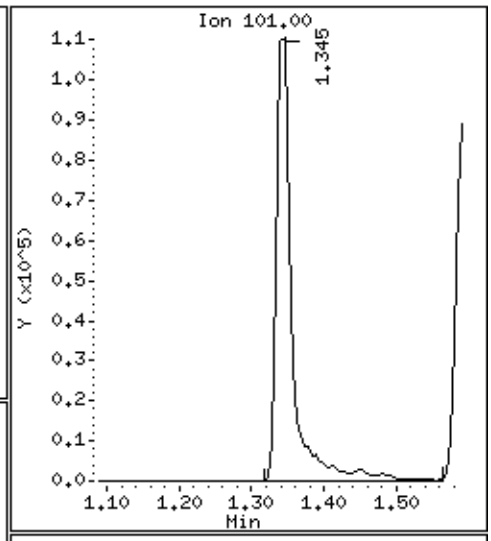
Column diameter: 0.18

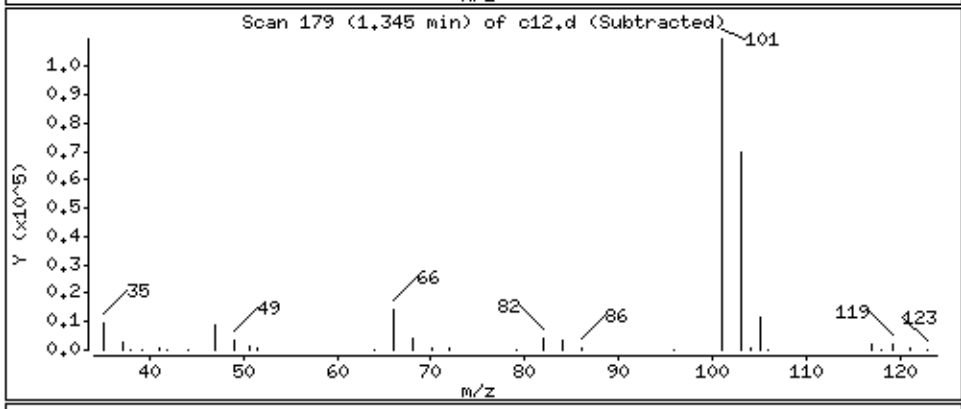
6 Trichlorofluoromethane

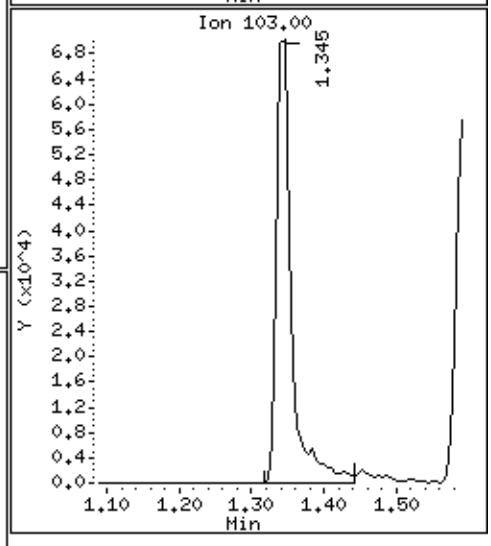
Concentration: 46.0 ppb

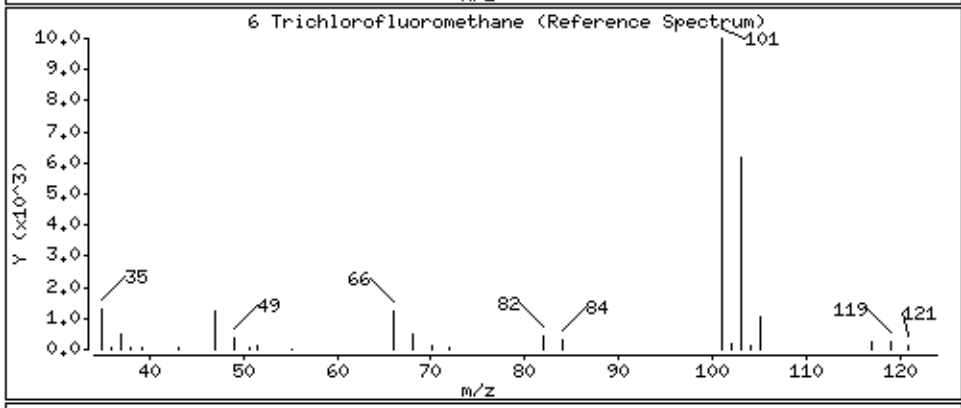
Review Code:

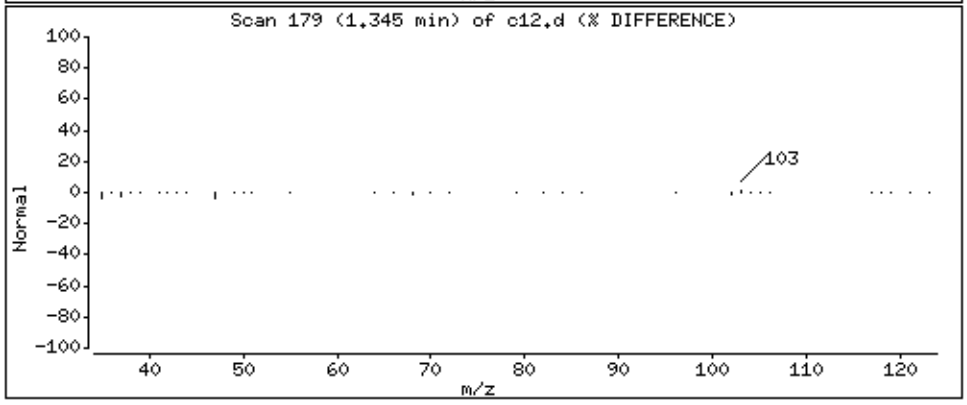












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

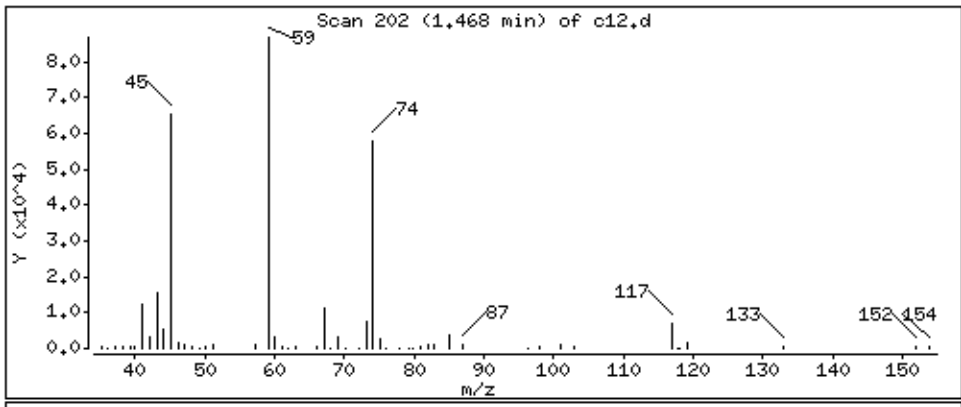
Column phase: DB-624

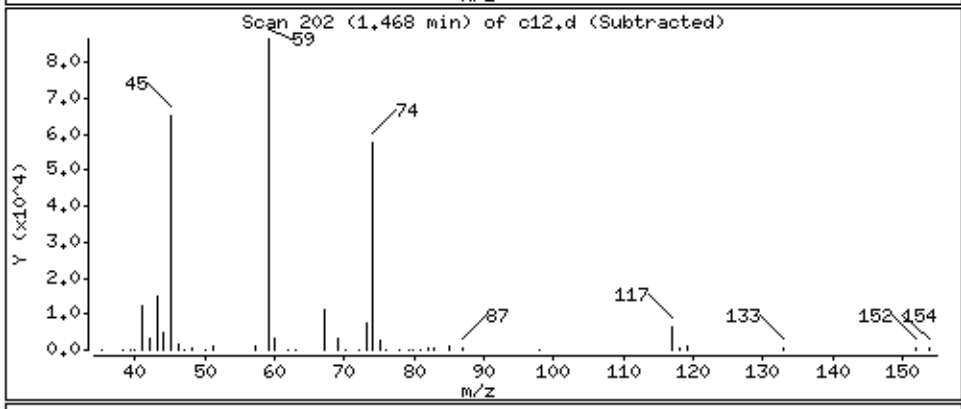
Column diameter: 0.18

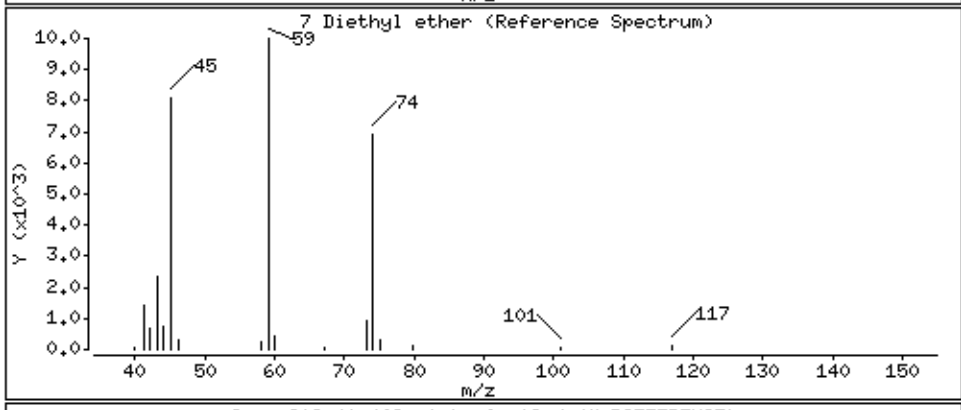
7 Diethyl ether

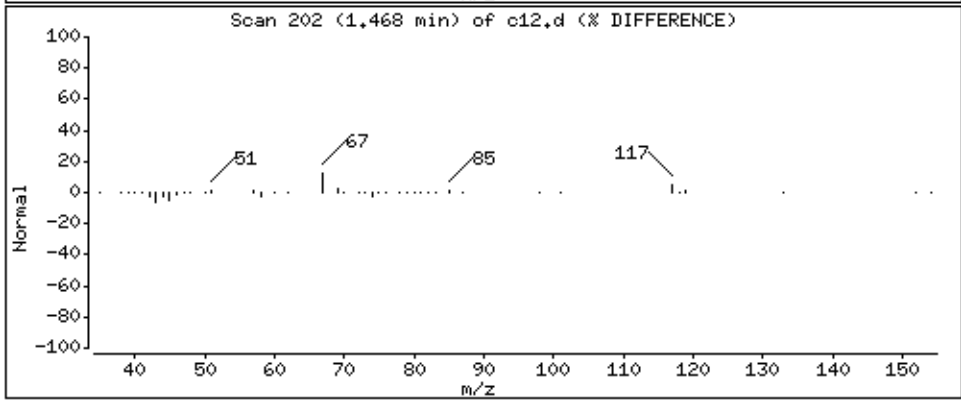
Concentration: 48.0 ppb

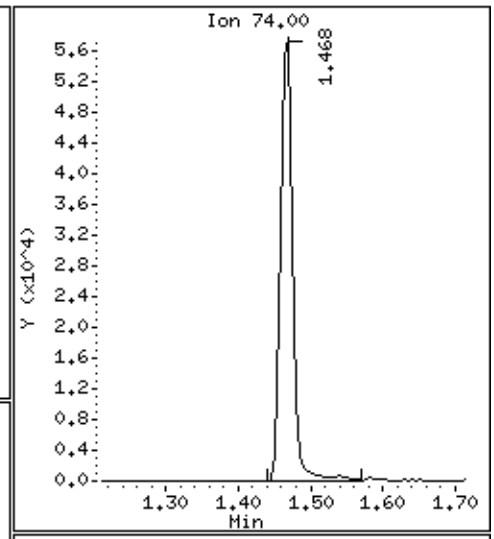
Review Code:

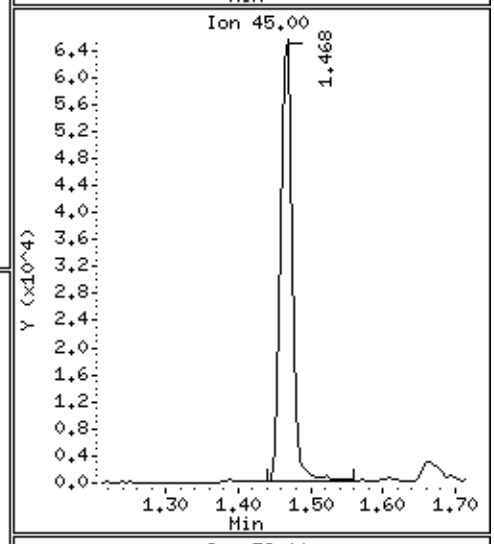


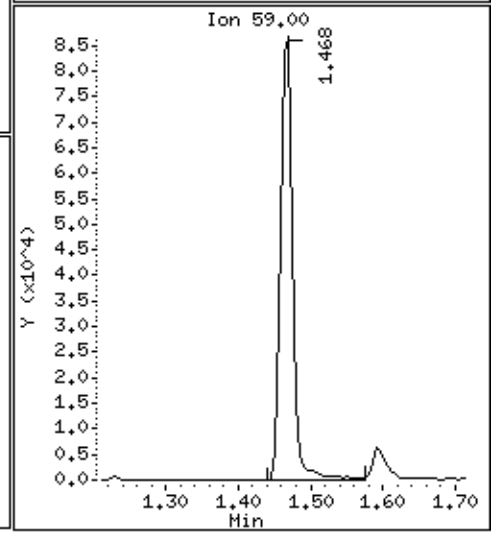












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

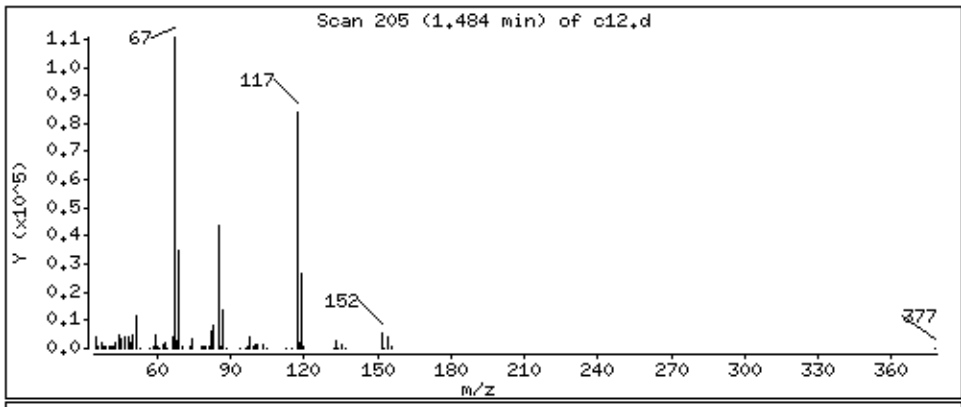
Column phase: DB-624

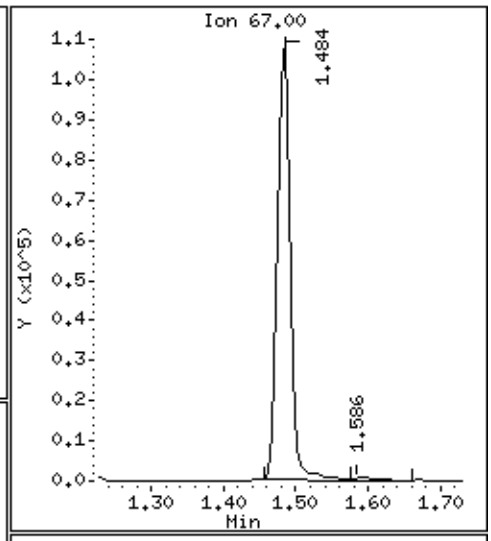
Column diameter: 0.18

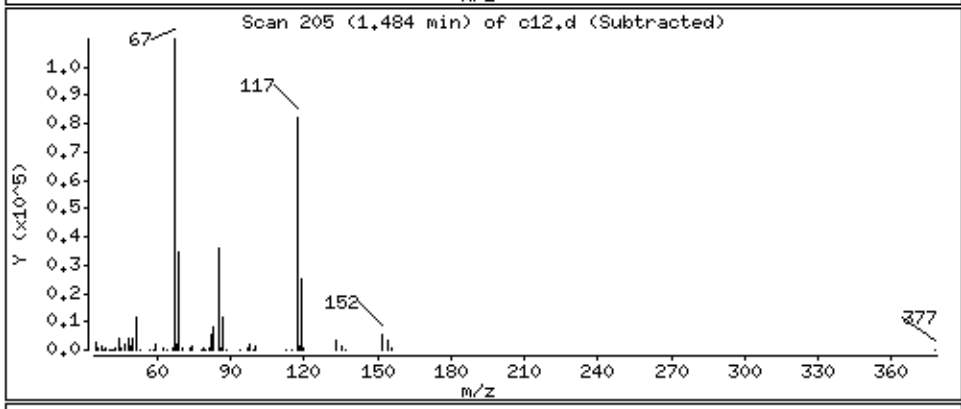
8 1,2-dichlorotrifluoroethane

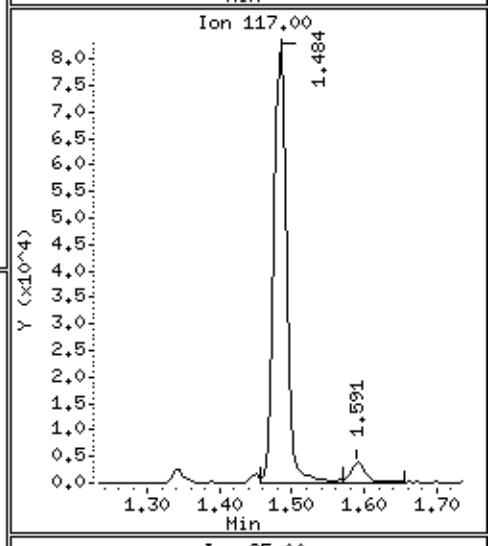
Concentration: 43.1 ppb

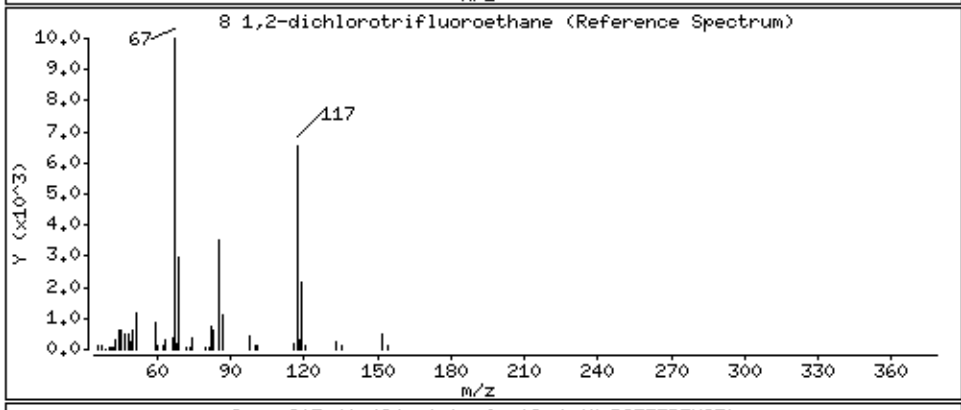
Review Code:

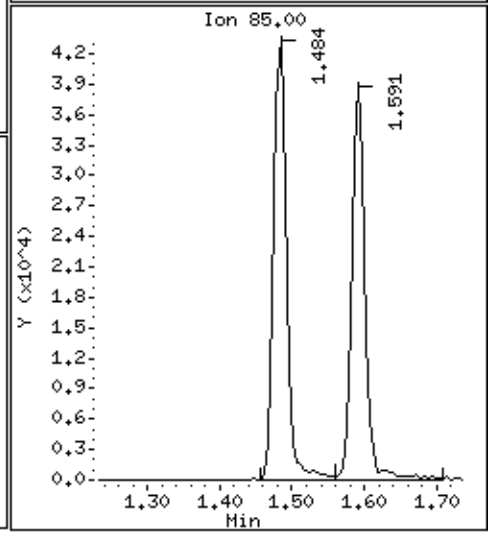


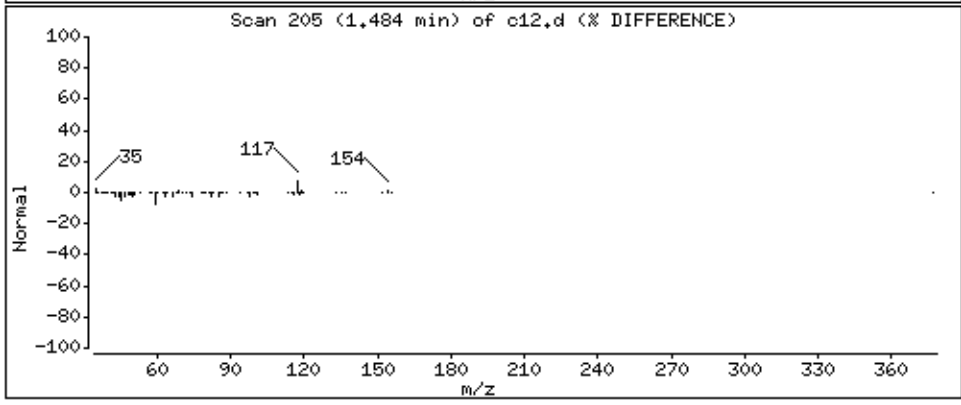












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

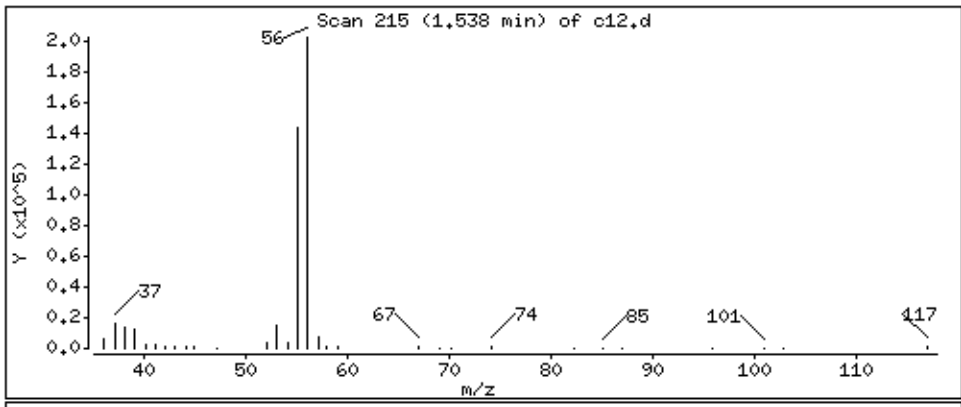
Column phase: DB-624

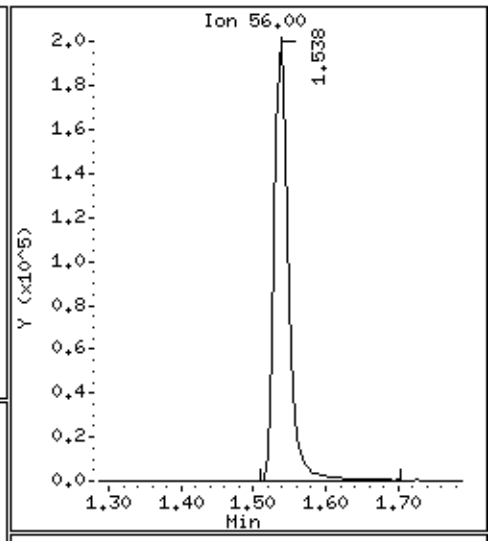
Column diameter: 0.18

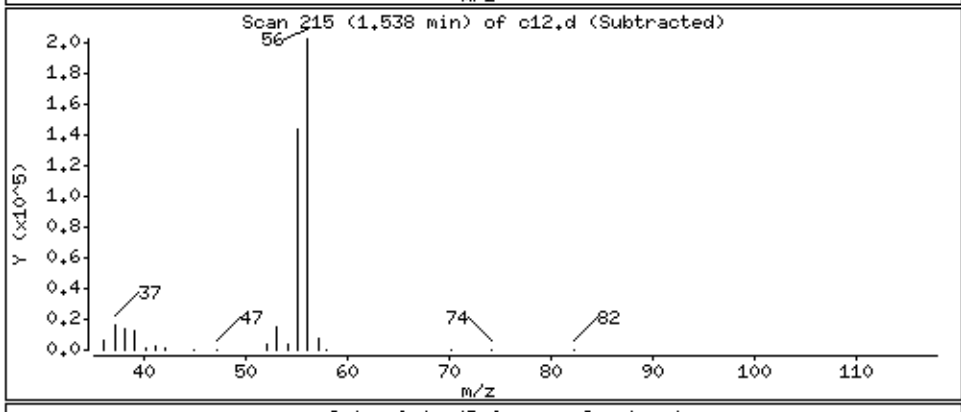
9 Acrolein

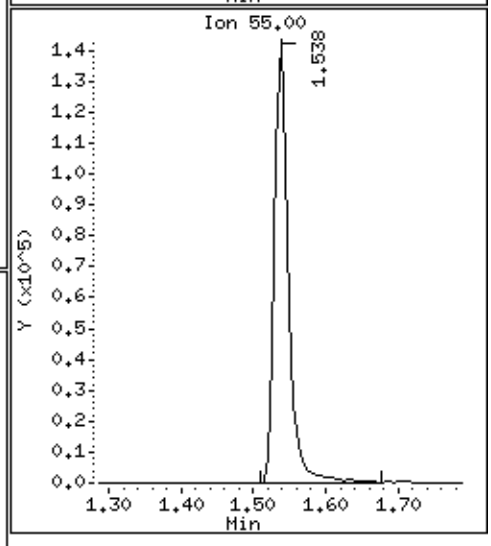
Concentration: 1090 ppb

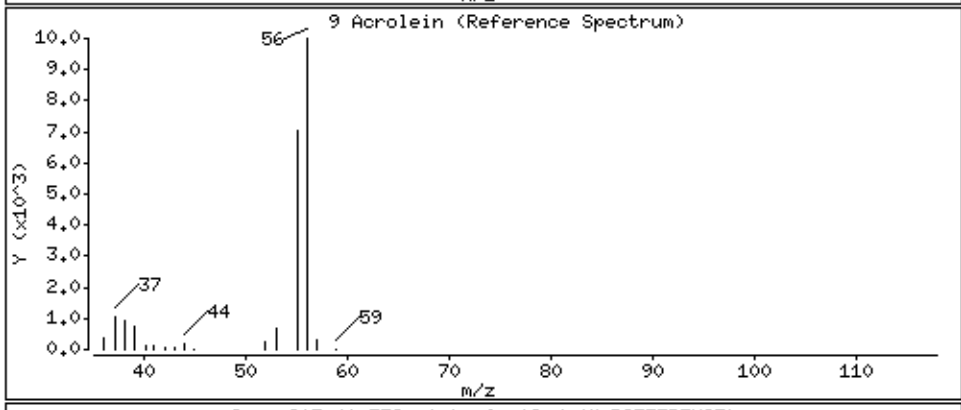
Review Code:

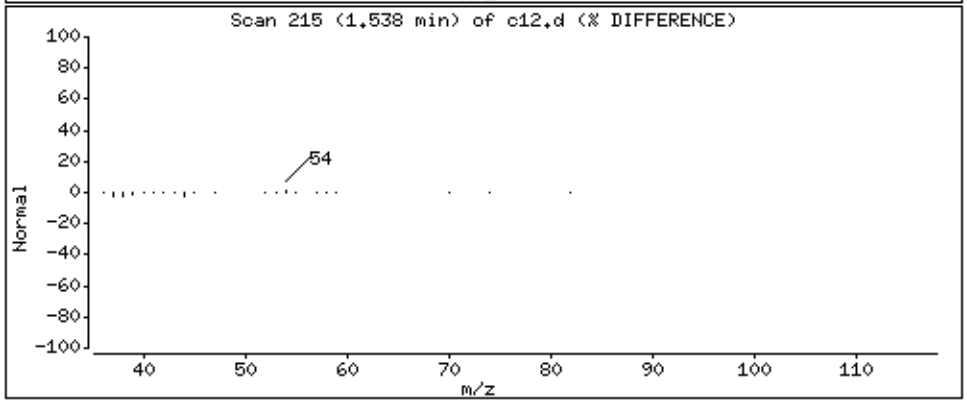












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

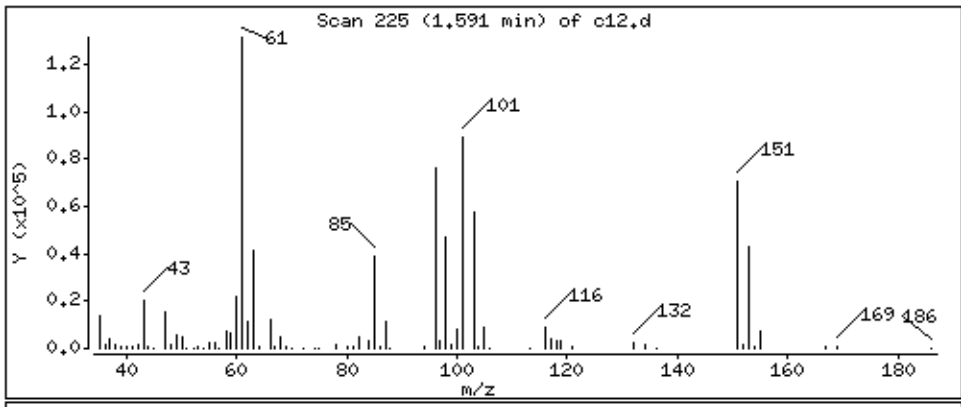
Column phase: DB-624

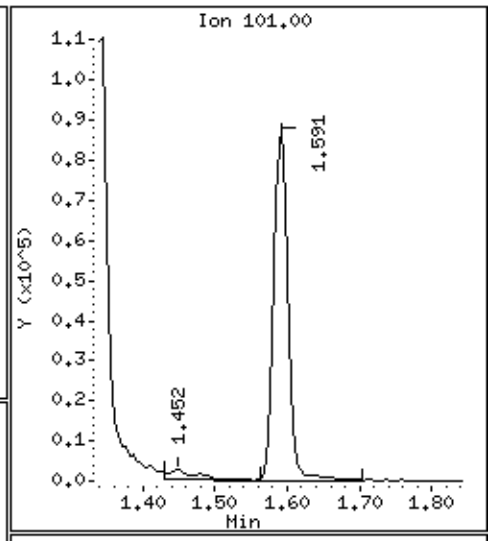
Column diameter: 0.18

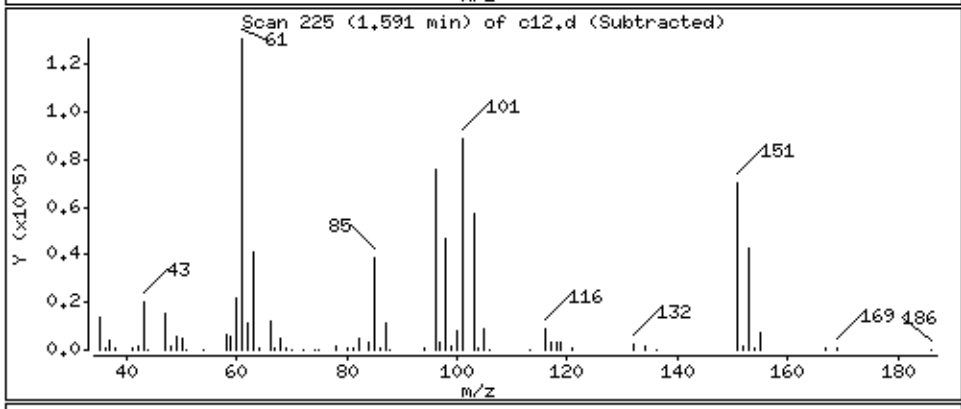
10 1,1,2trichlorotrifluoroethane

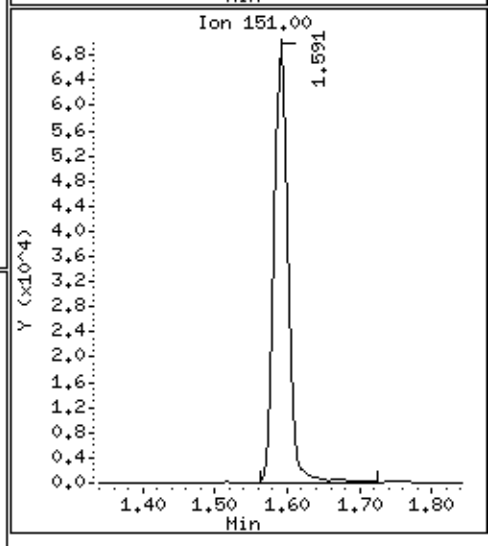
Concentration: 44.1 ppb

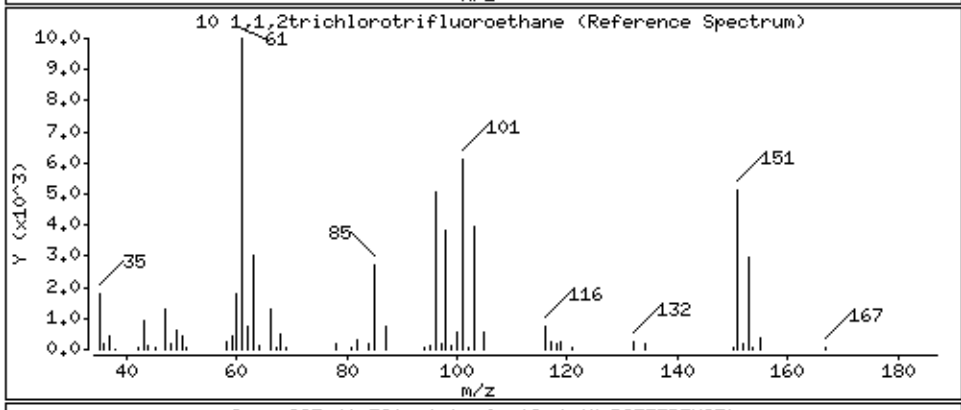
Review Code:

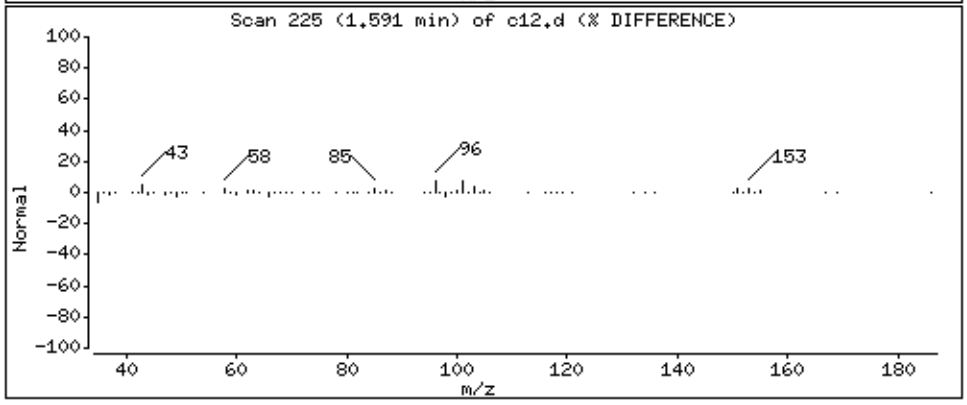












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

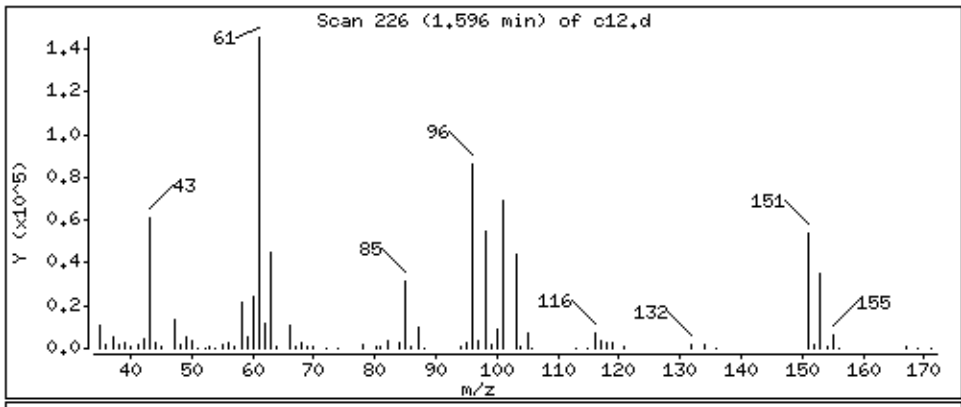
Column phase: DB-624

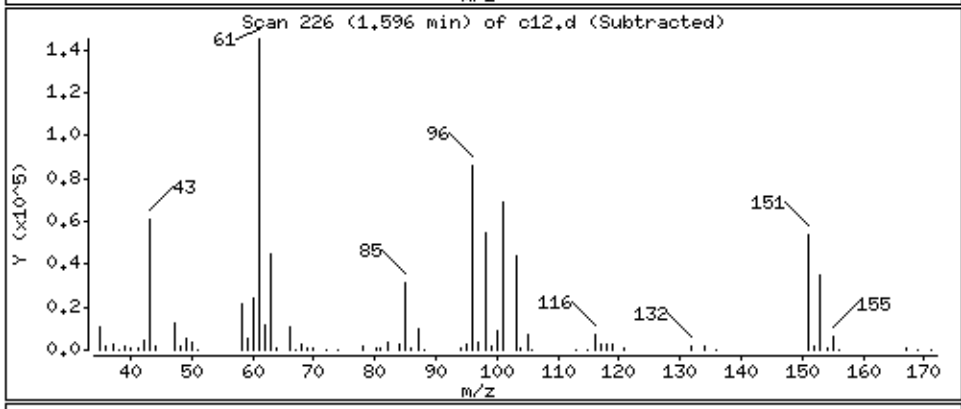
Column diameter: 0.18

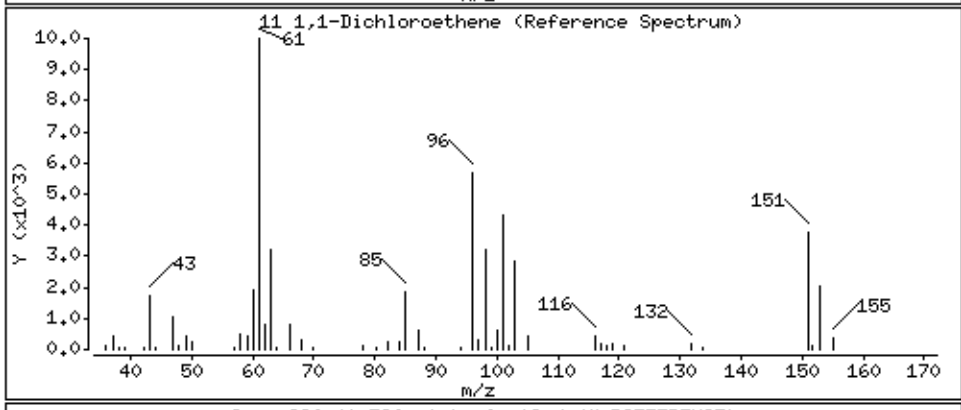
11 1,1-Dichloroethene

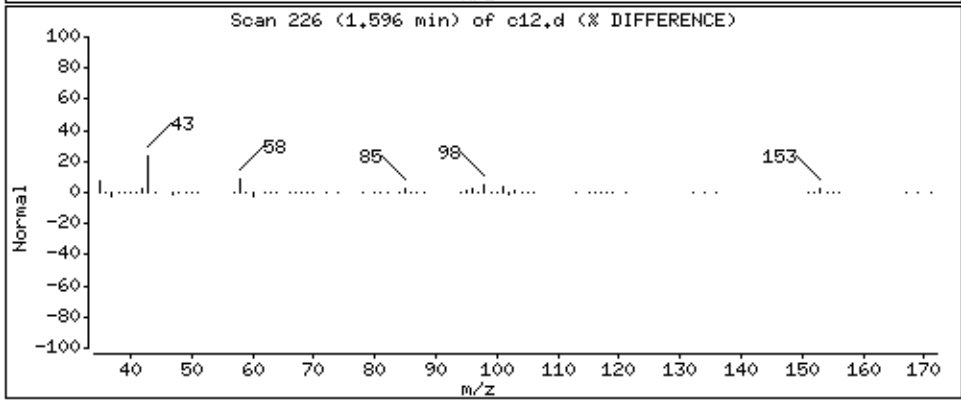
Concentration: 45.5 ppb

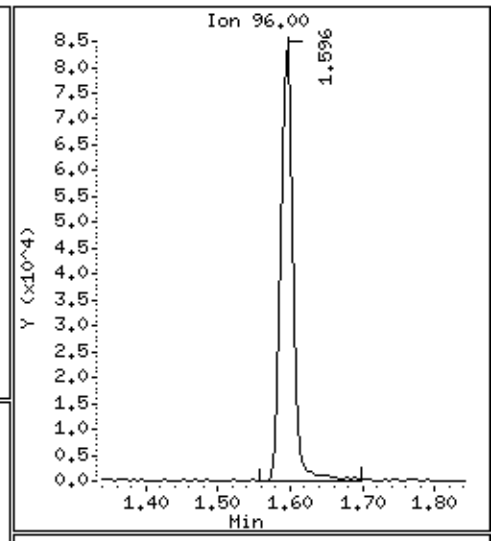
Review Code:

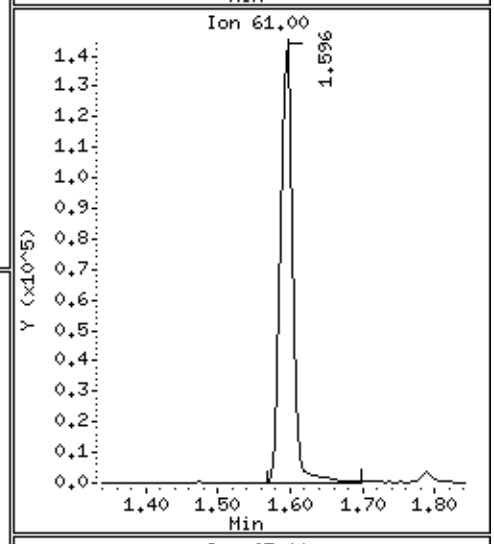


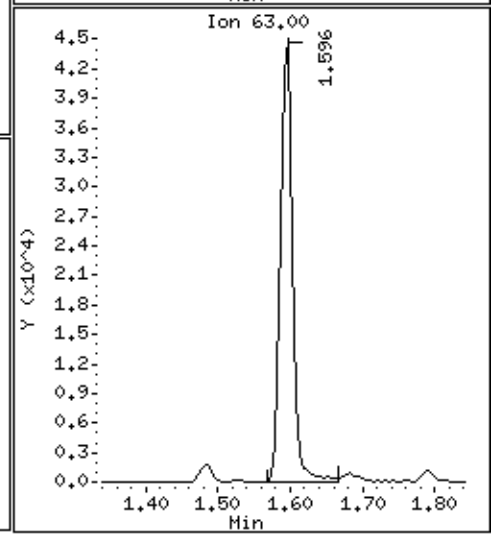












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

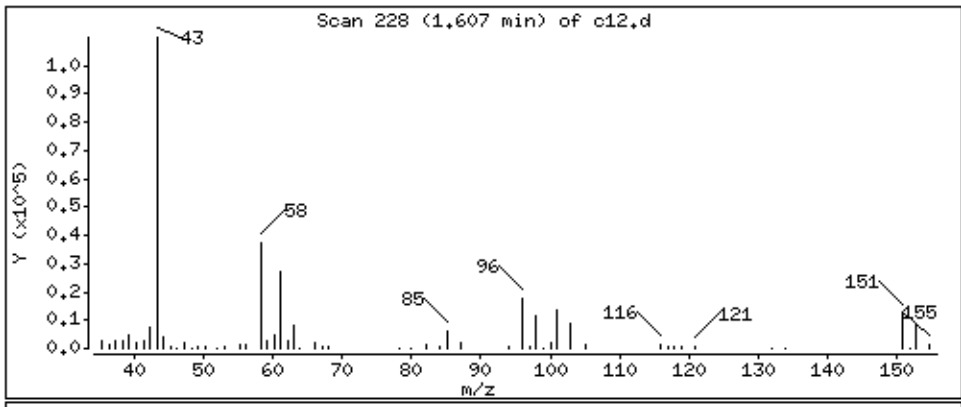
Column phase: DB-624

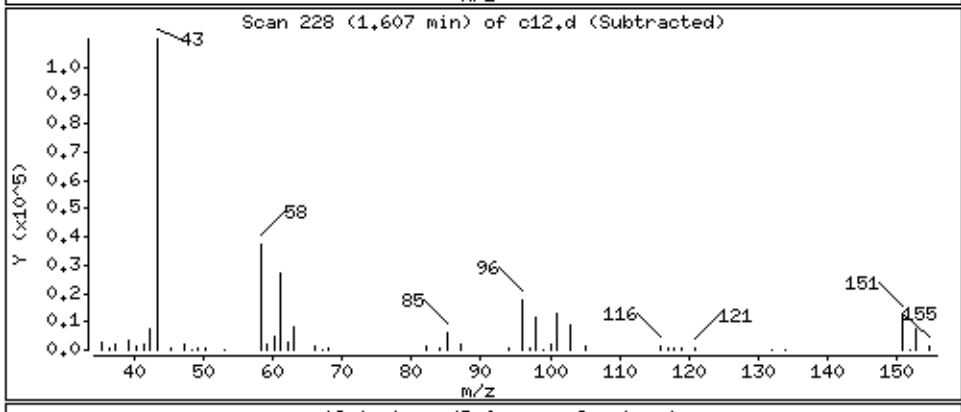
Column diameter: 0.18

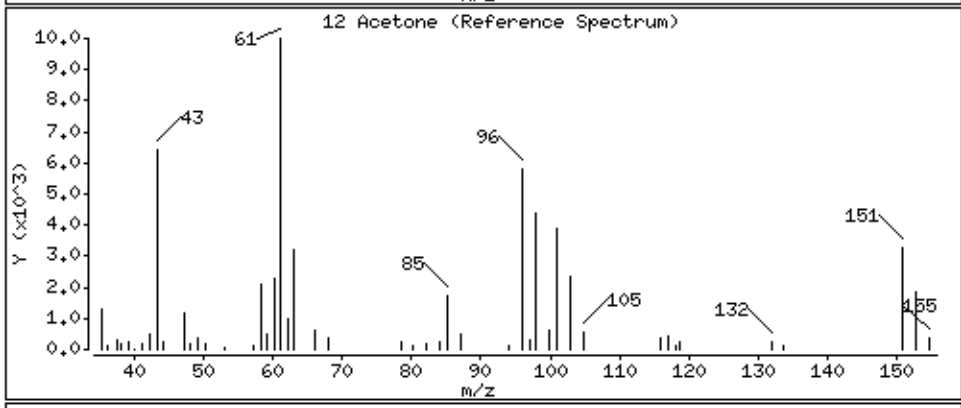
12 Acetone

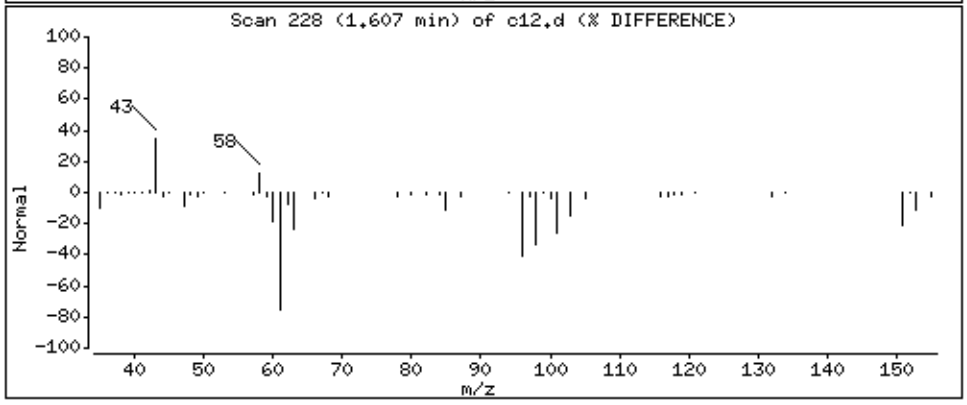
Concentration: 458 ppb

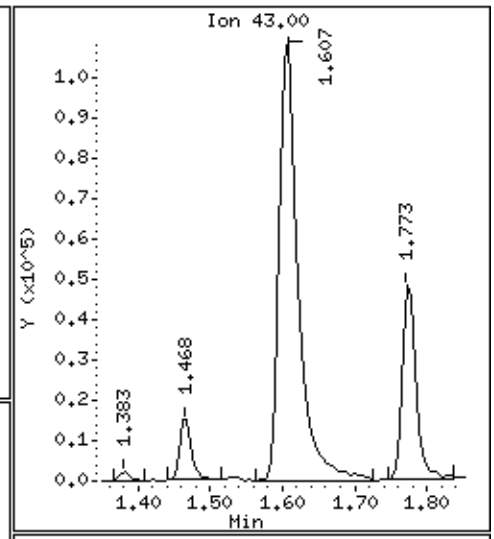
Review Code:

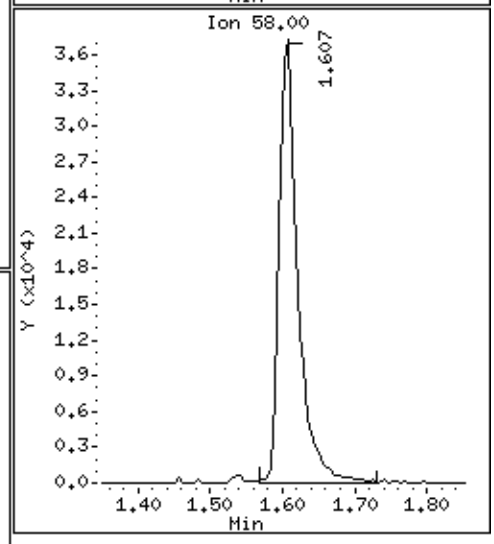












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

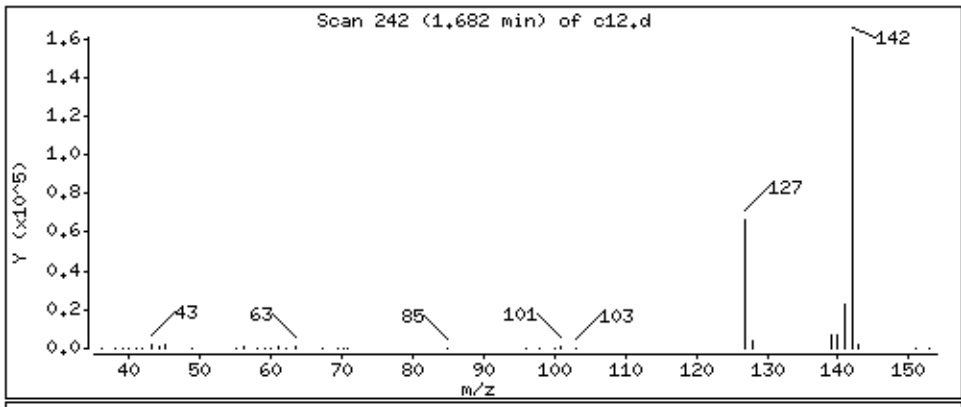
Column phase: DB-624

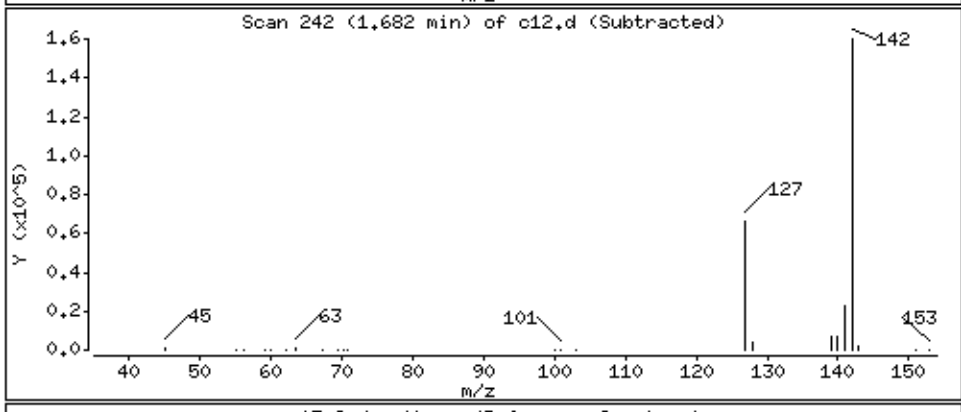
Column diameter: 0.18

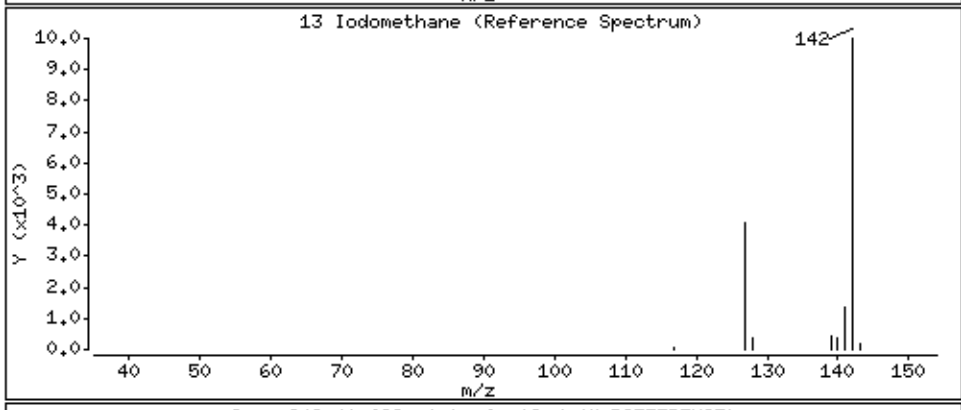
13 Iodomethane

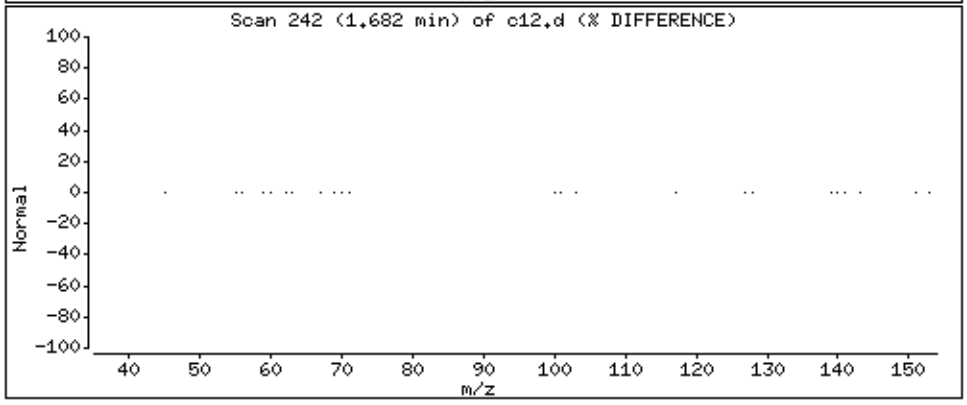
Concentration: 106 ppb

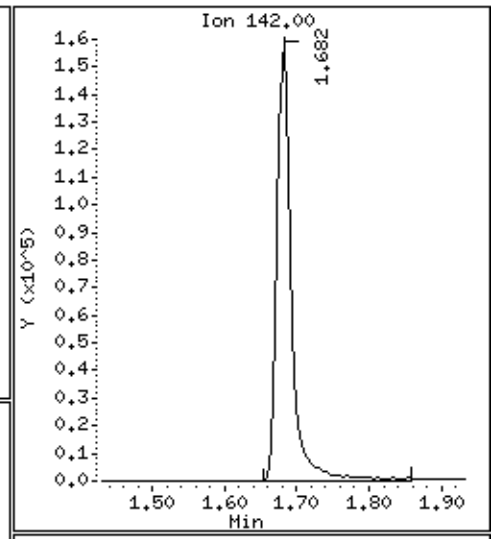
Review Code:

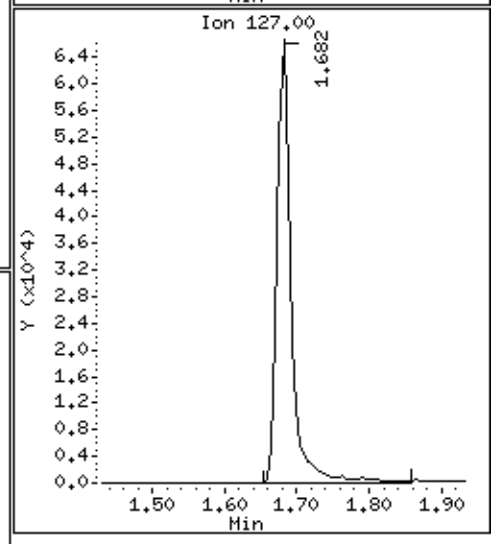












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

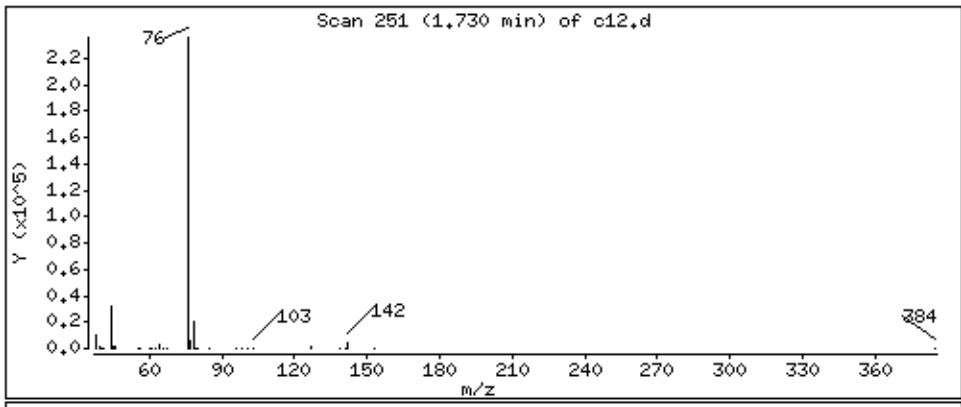
Column phase: DB-624

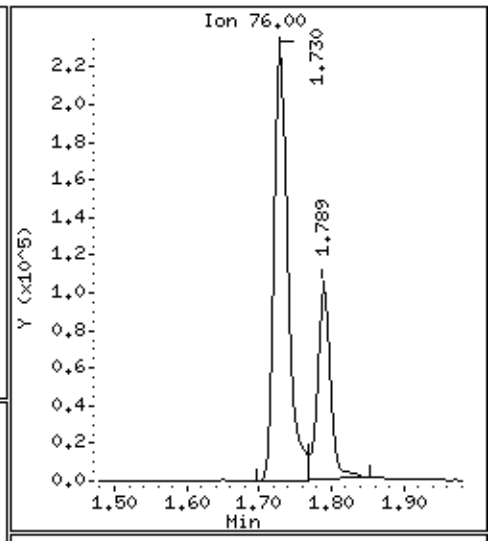
Column diameter: 0.18

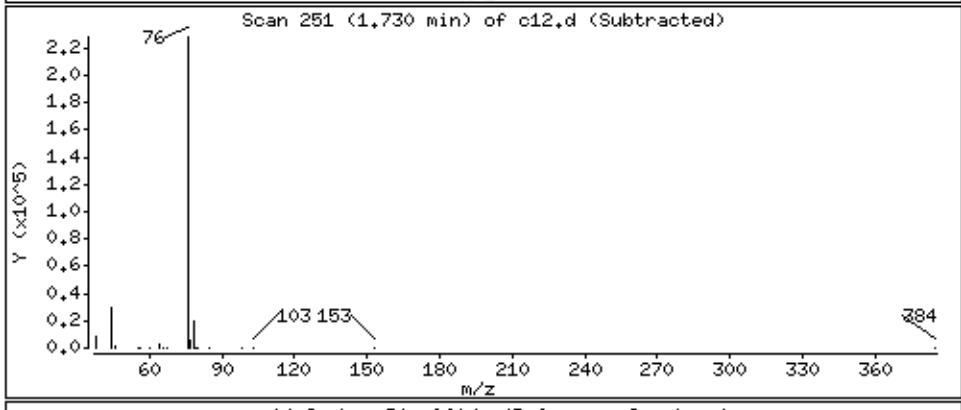
14 Carbon Disulfide

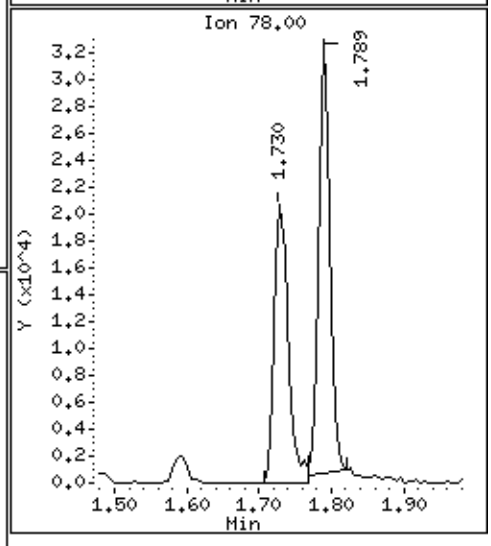
Concentration: 44.9 ppb

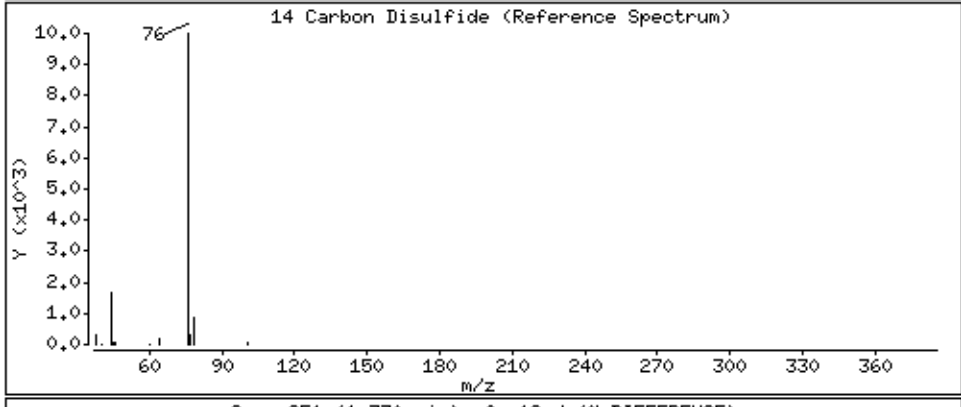
Review Code:

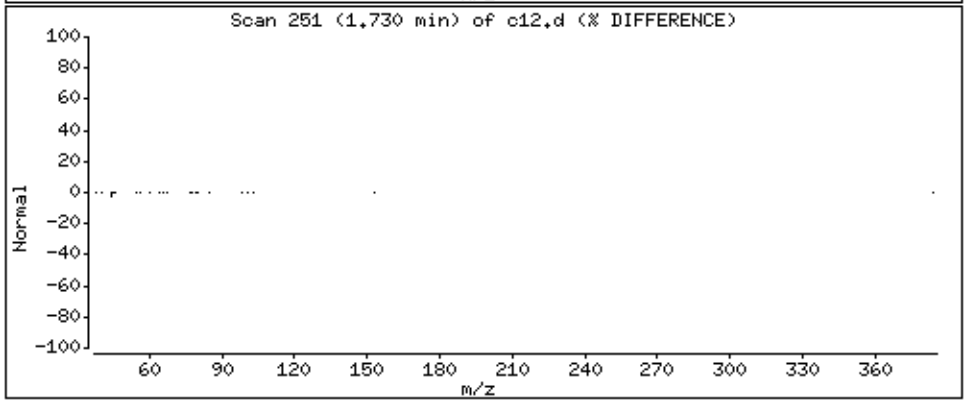












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

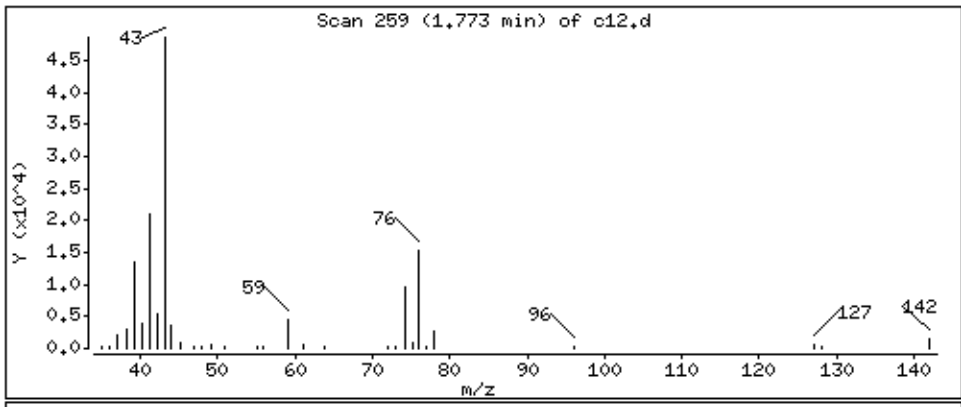
Column phase: DB-624

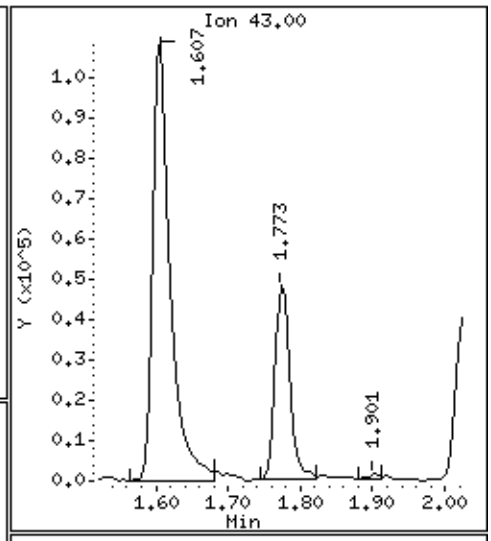
Column diameter: 0.18

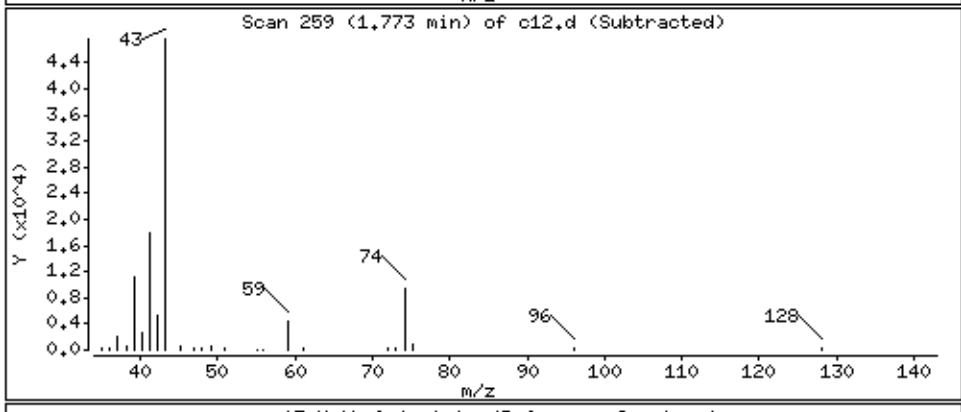
15 Methyl Acetate

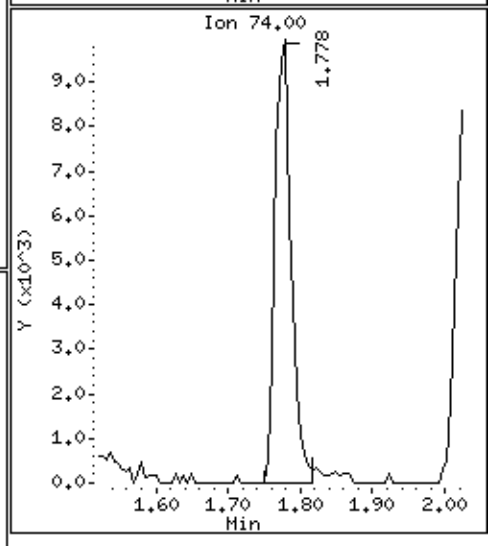
Concentration: 50.6 ppb

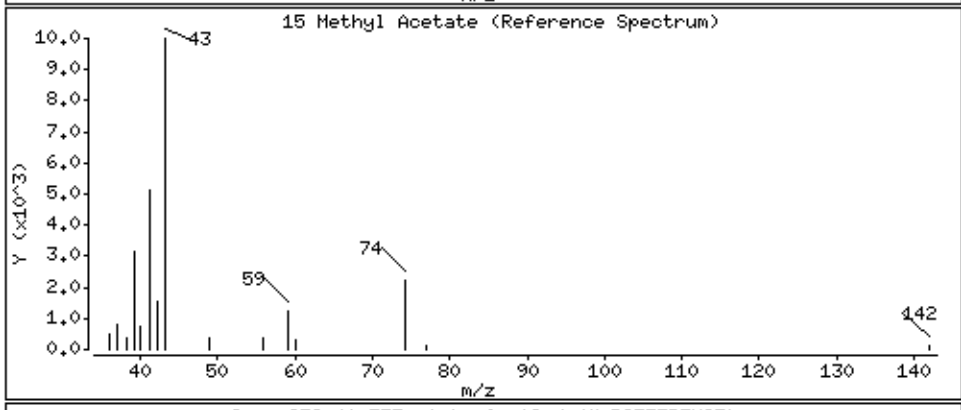
Review Code:

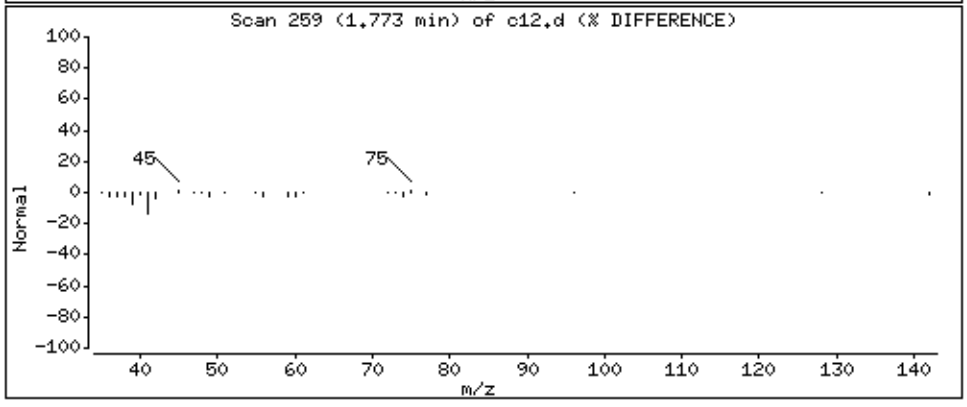












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

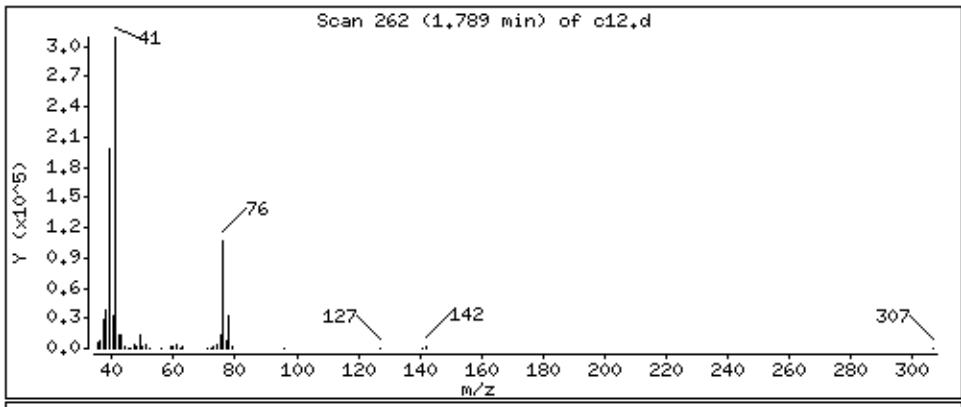
Column phase: DB-624

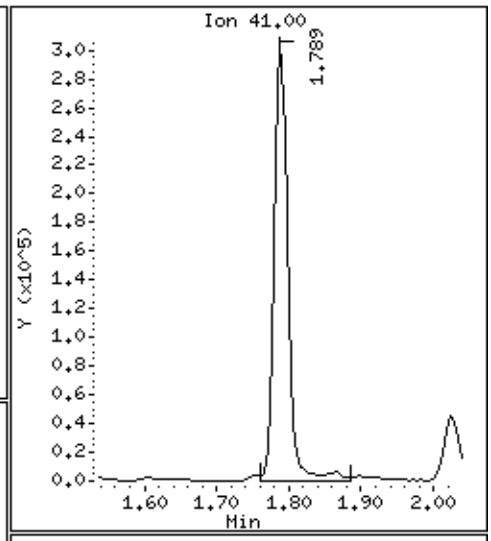
Column diameter: 0.18

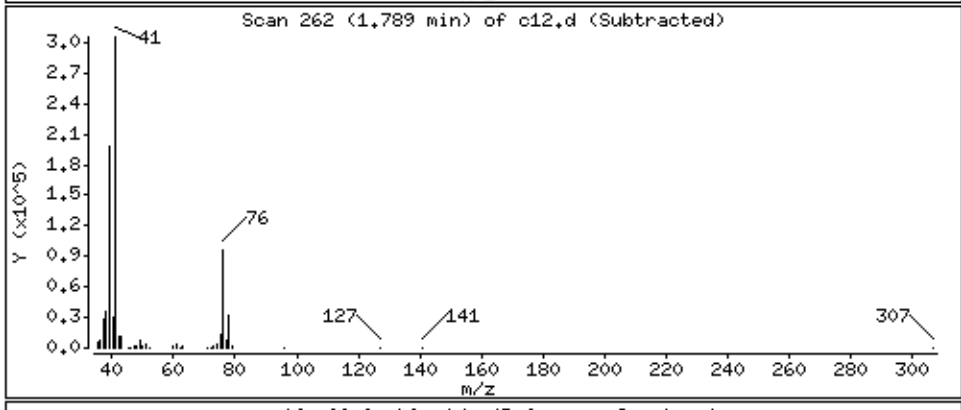
16 allyl chloride

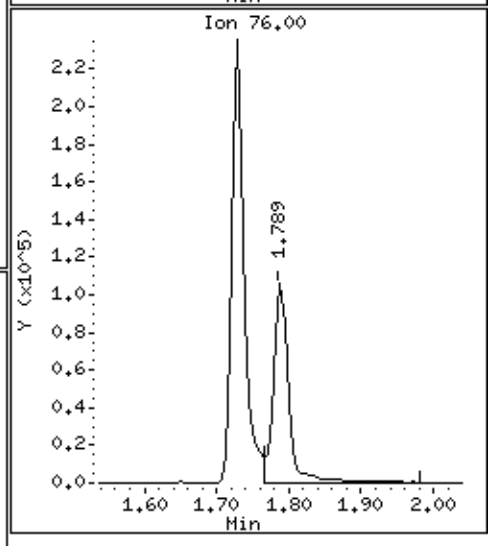
Concentration: 91.4 ppb

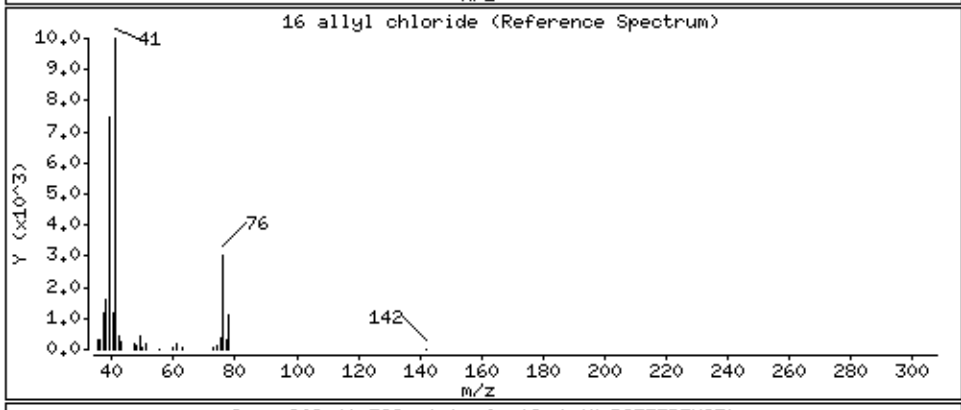
Review Code:

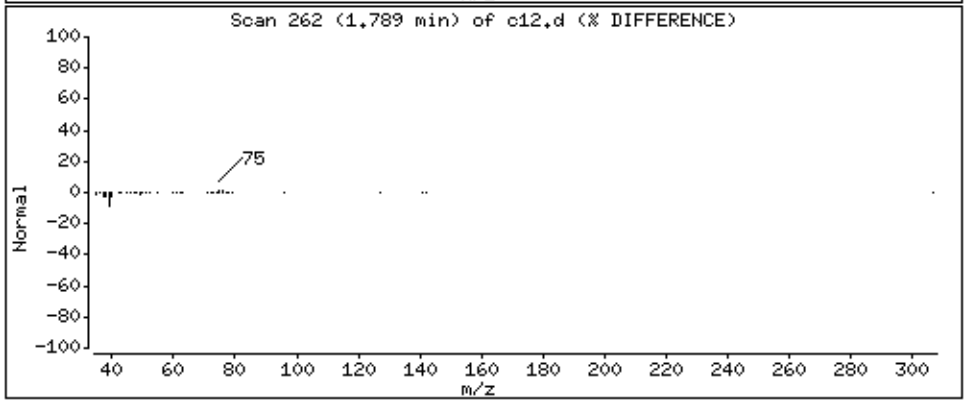












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

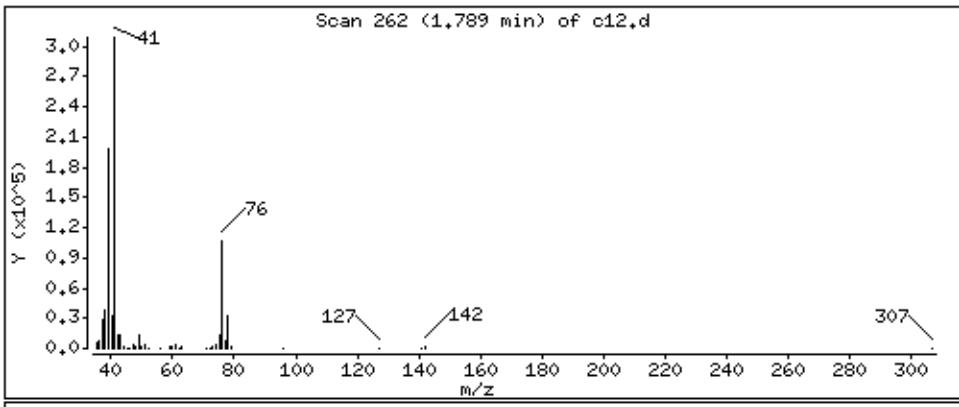
Column phase: DB-624

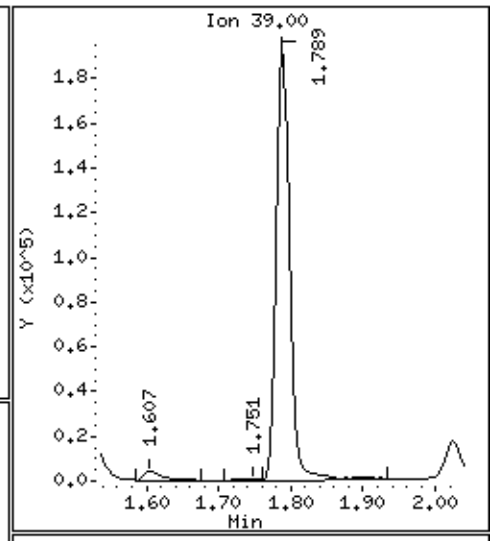
Column diameter: 0.18

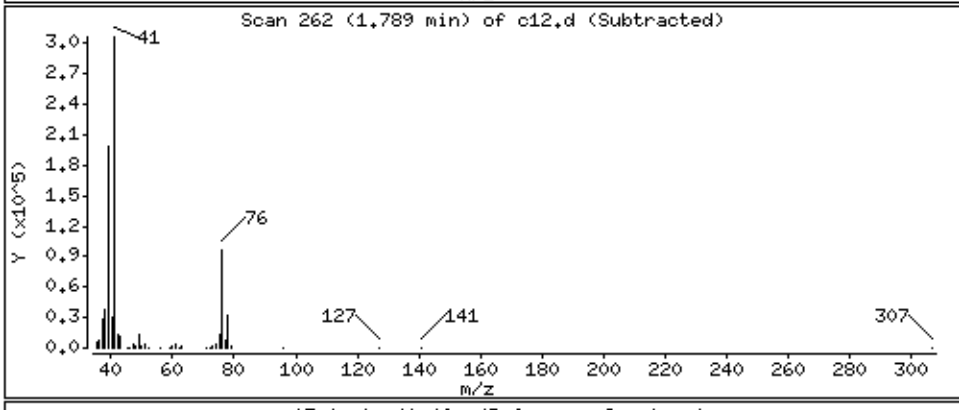
17 Acetonitrile

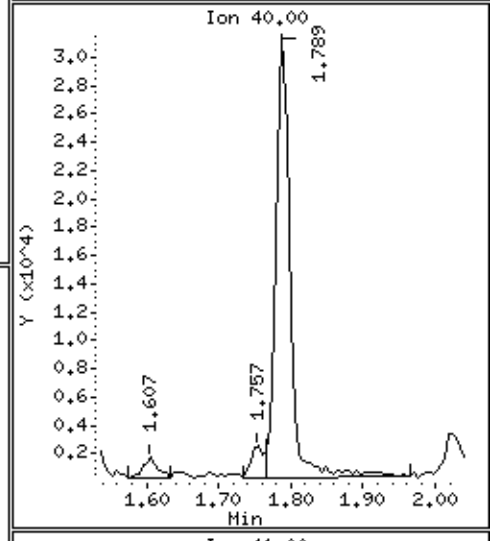
Concentration: 39.9 ppb

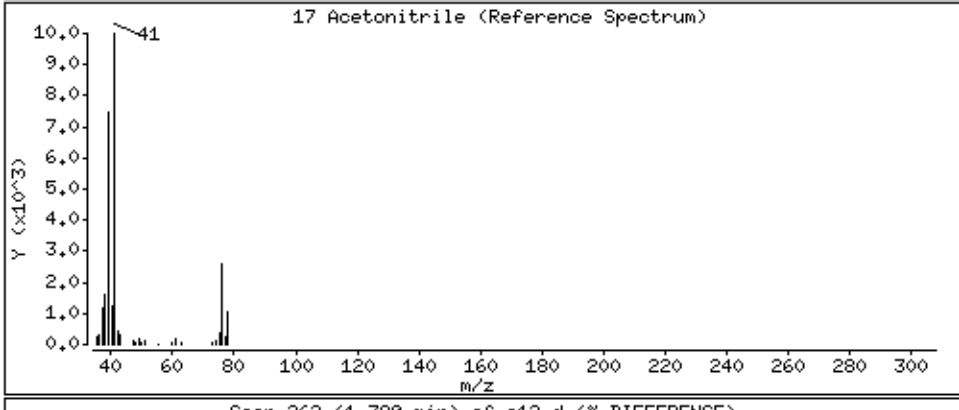
Review Code:

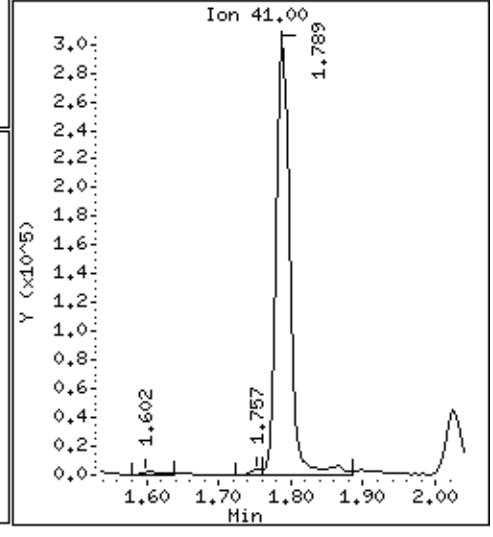


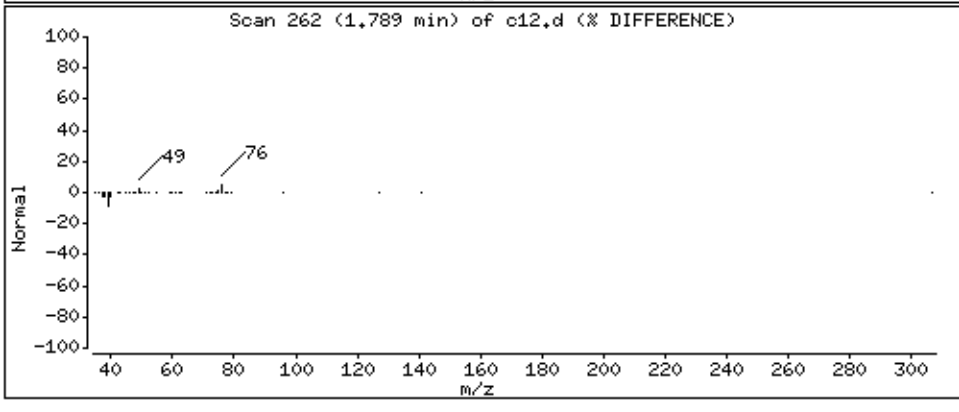












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

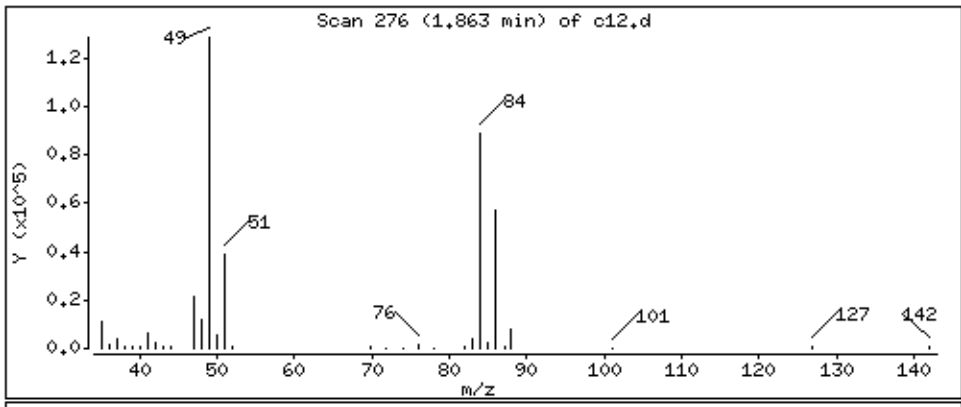
Column phase: DB-624

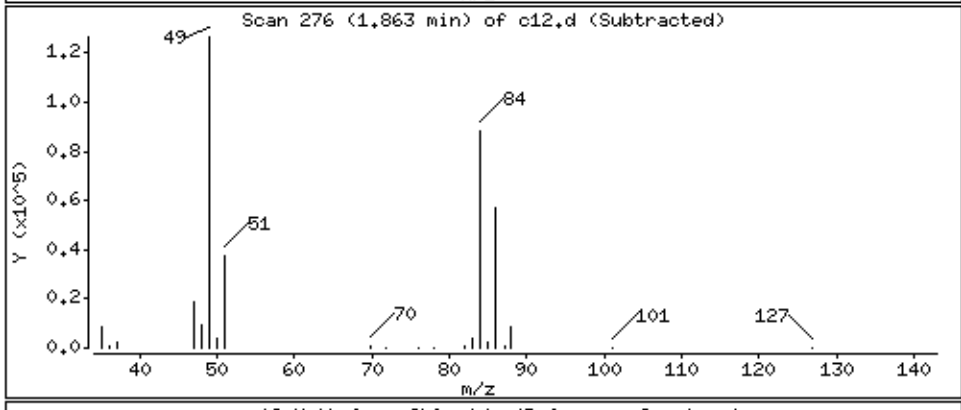
Column diameter: 0.18

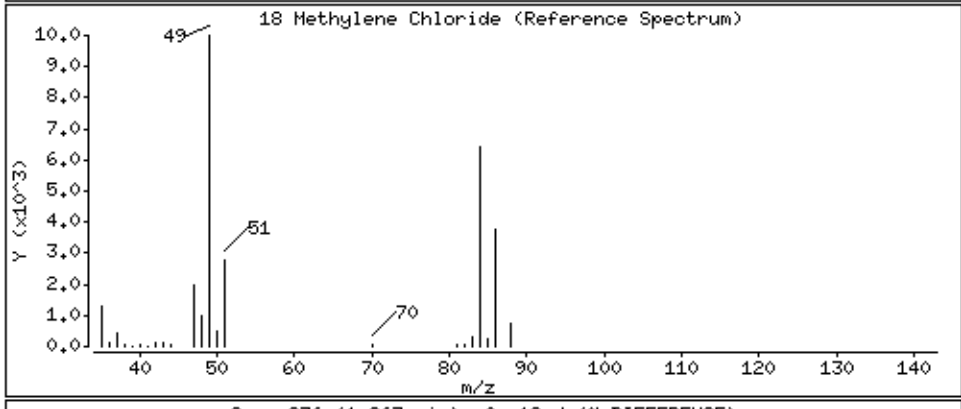
18 Methylene Chloride

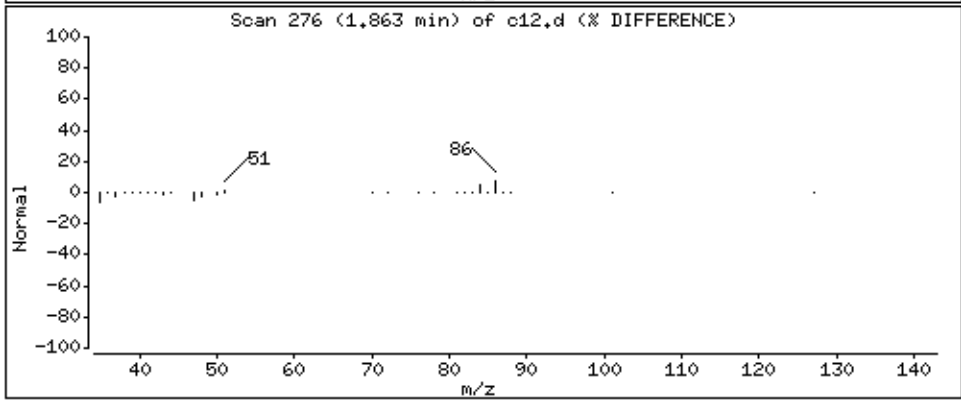
Concentration: 58.8 ppb

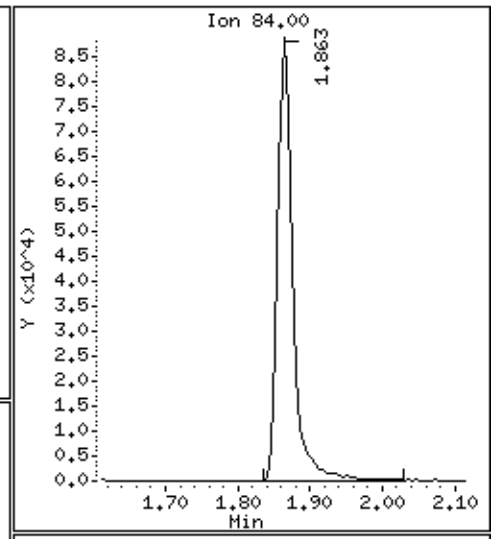
Review Code:

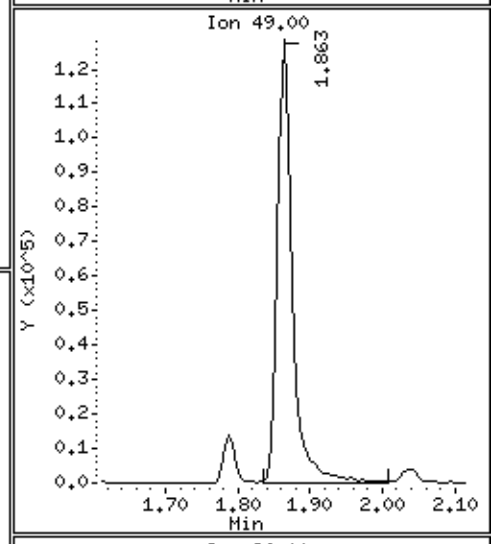


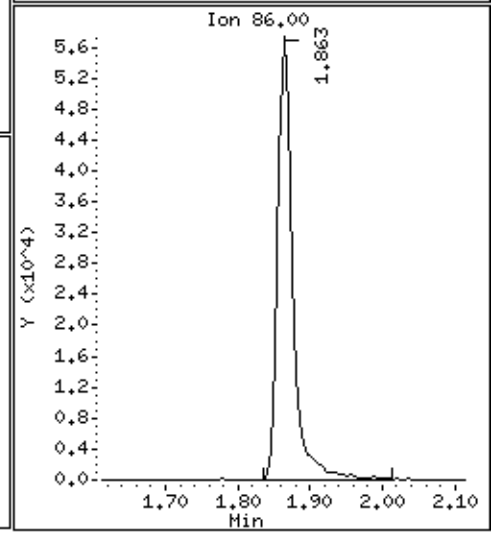












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

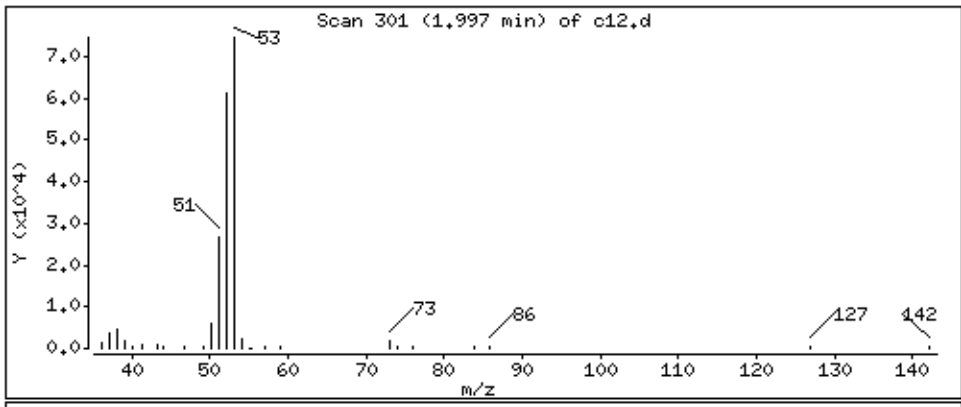
Column phase: DB-624

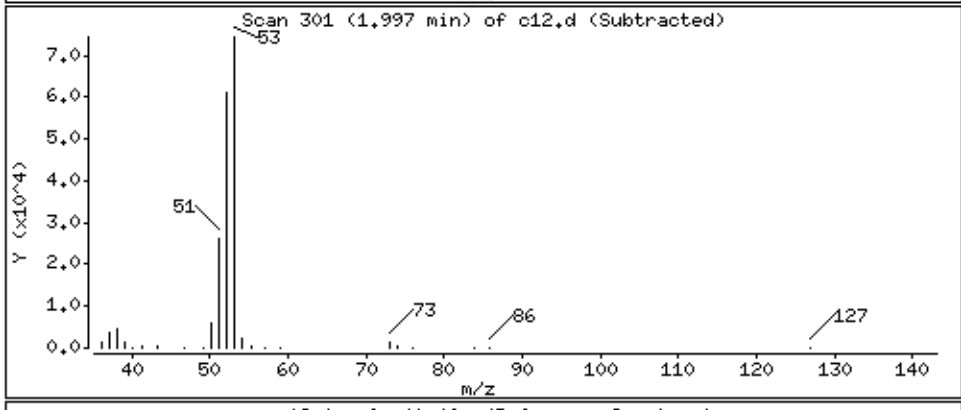
Column diameter: 0.18

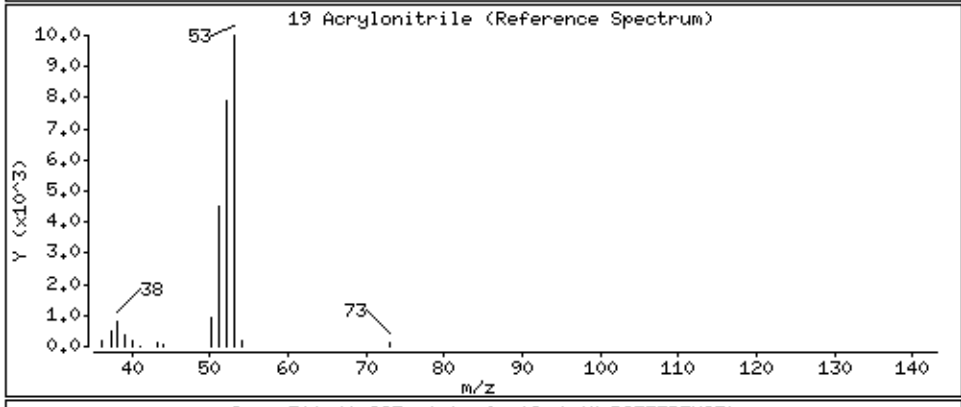
19 Acrylonitrile

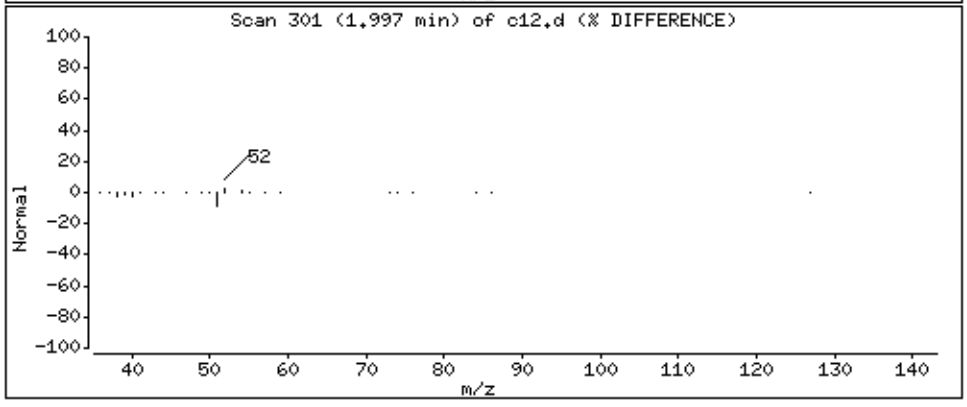
Concentration: 230 ppb

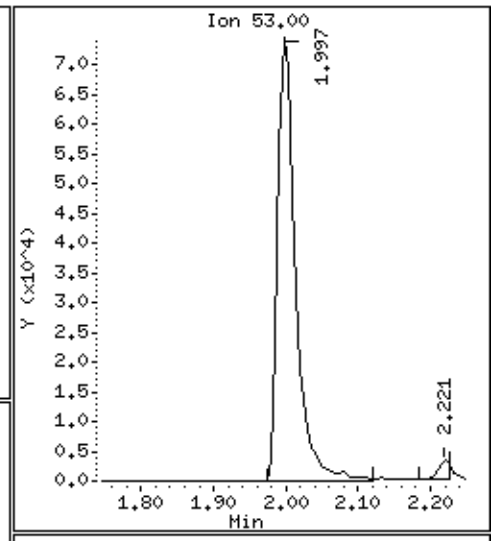
Review Code:

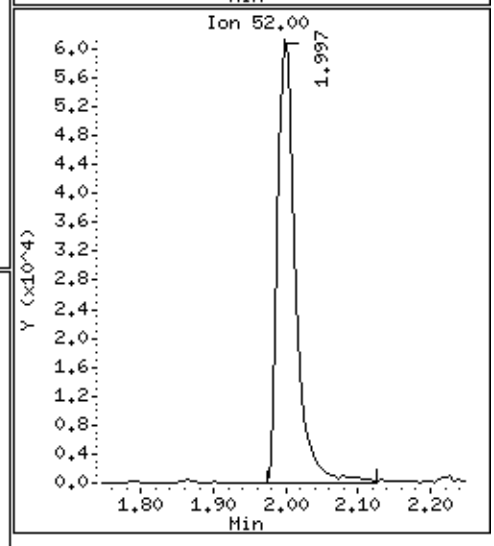












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

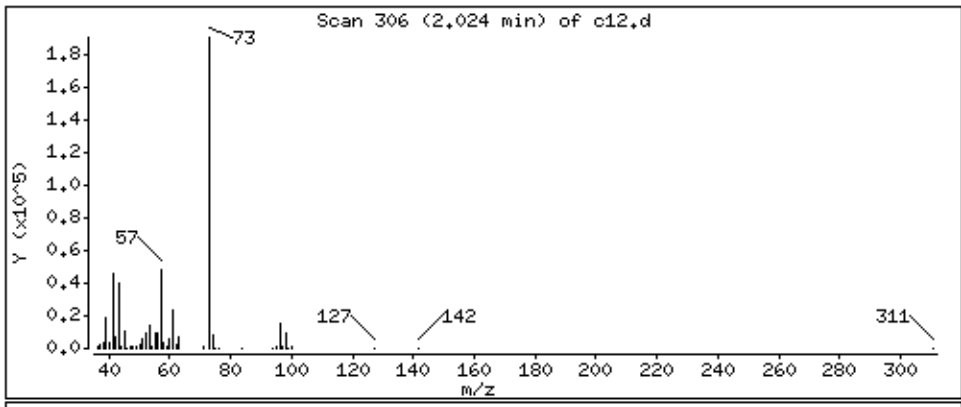
Column phase: DB-624

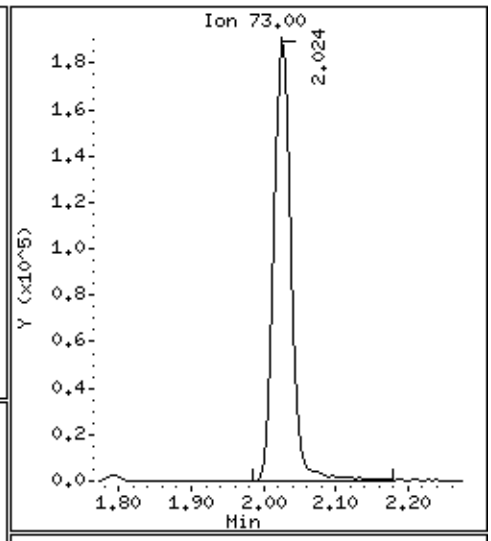
Column diameter: 0.18

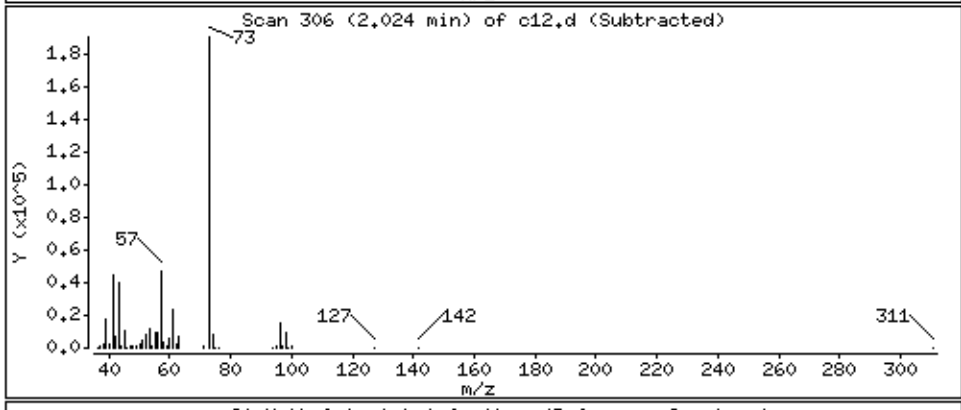
20 Methyl-tert-butyl ether

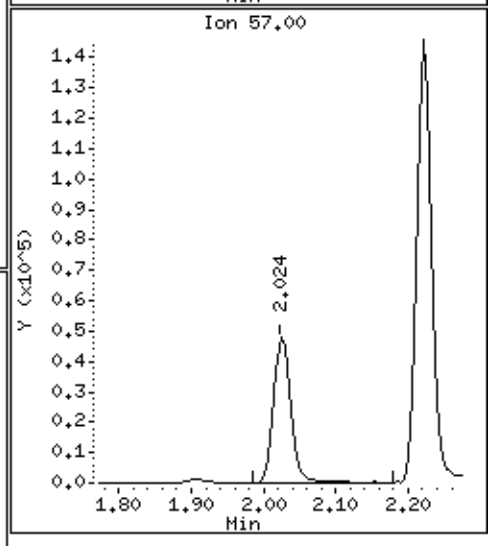
Concentration: 53.9 ppb

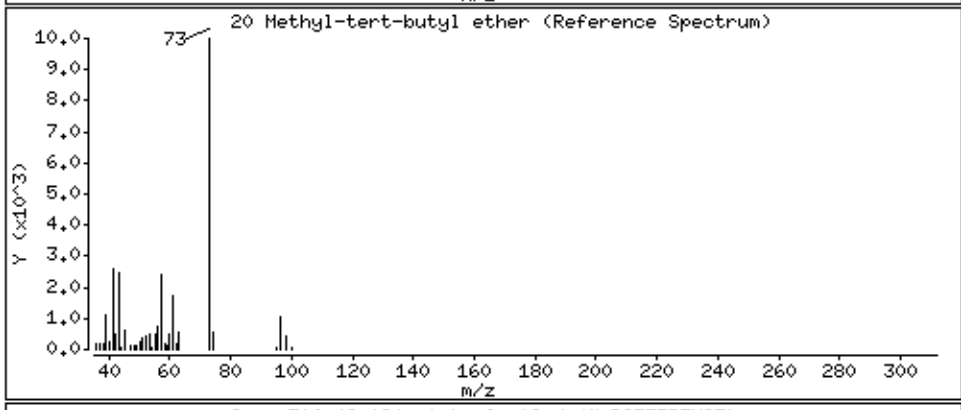
Review Code:

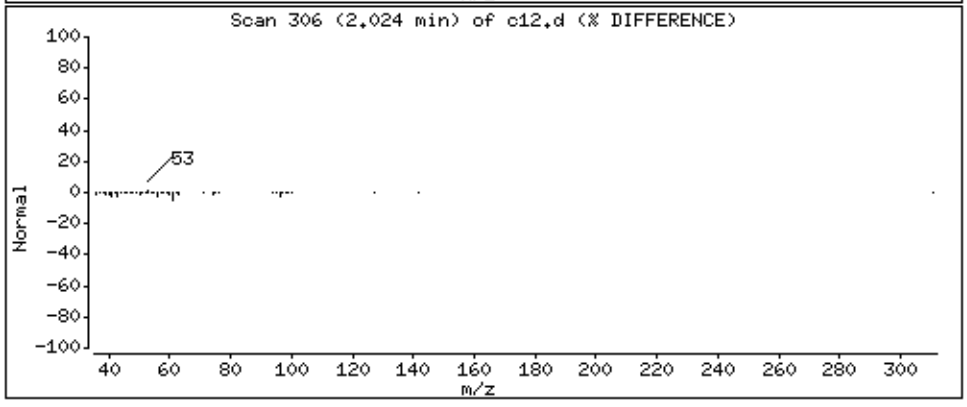












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

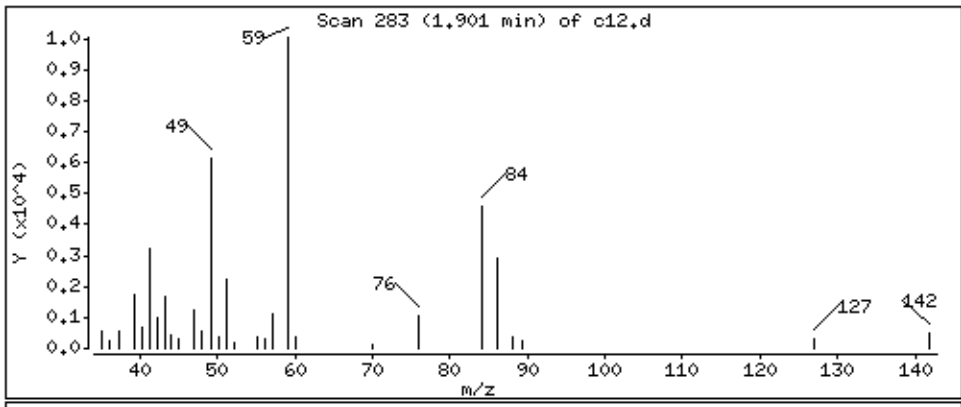
Column phase: DB-624

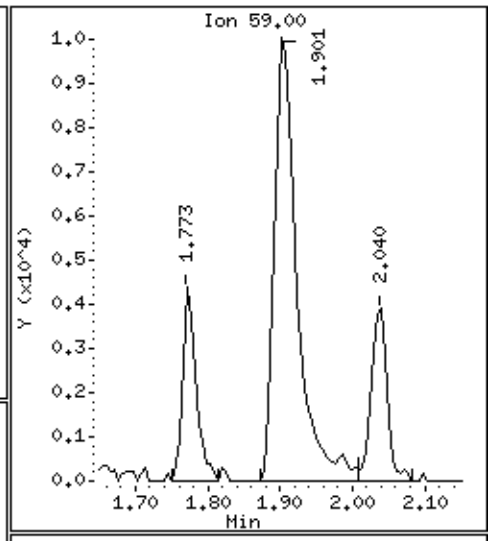
Column diameter: 0.18

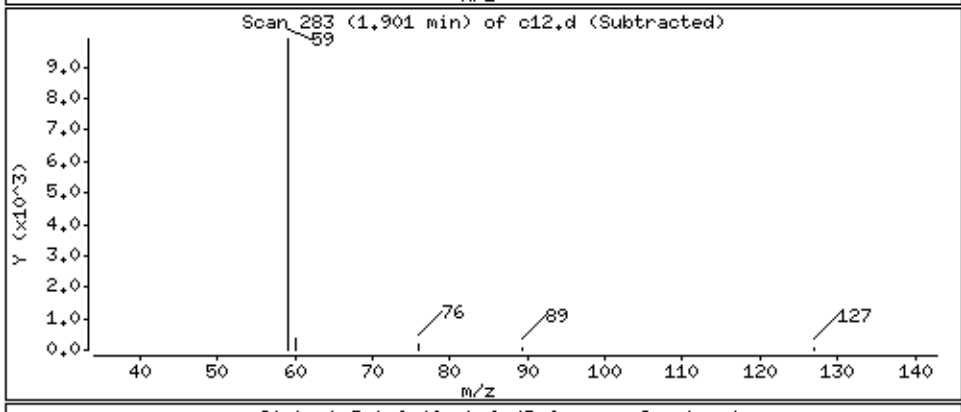
21 tert-Butyl Alcohol

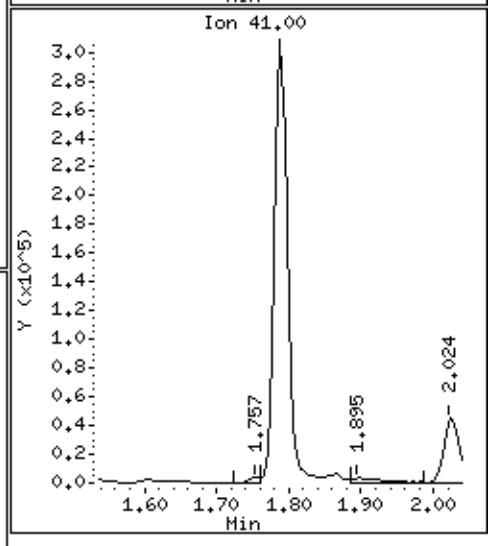
Concentration: 132 ppb

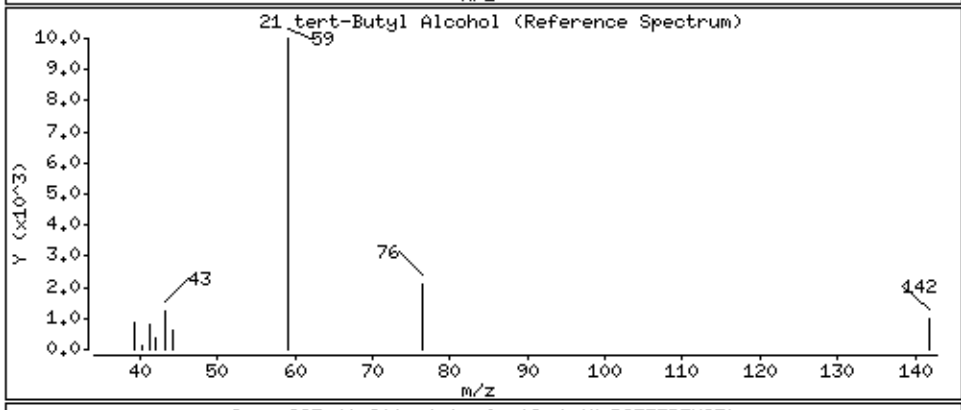
Review Code:

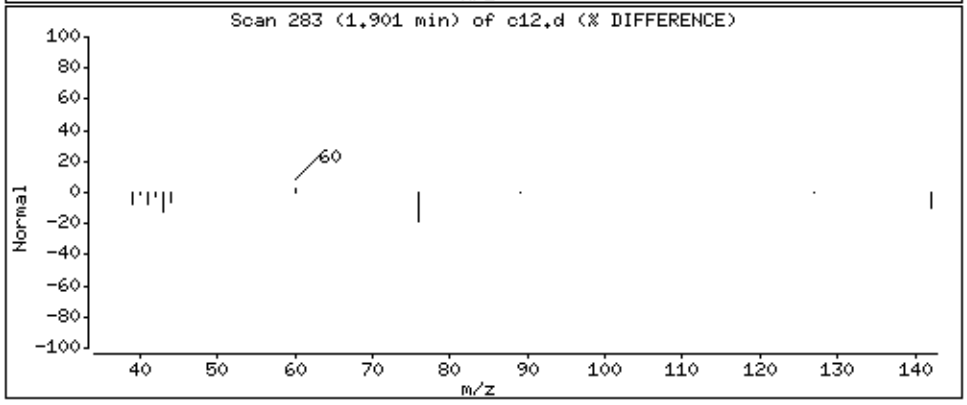












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

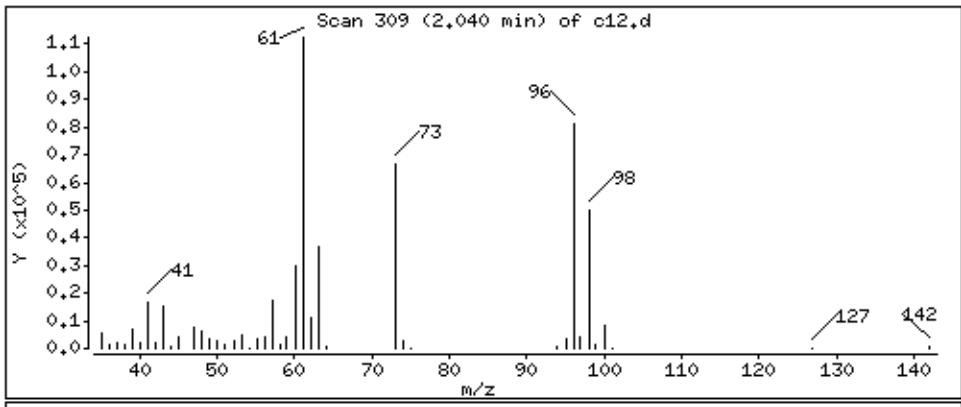
Column phase: DB-624

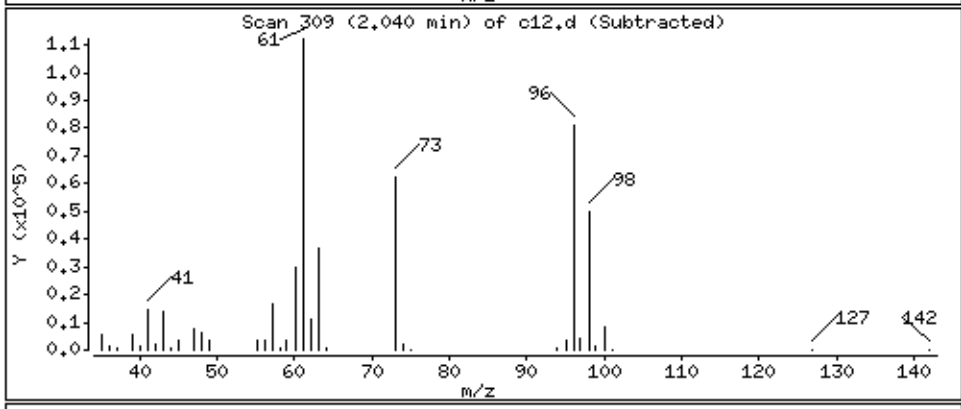
Column diameter: 0.18

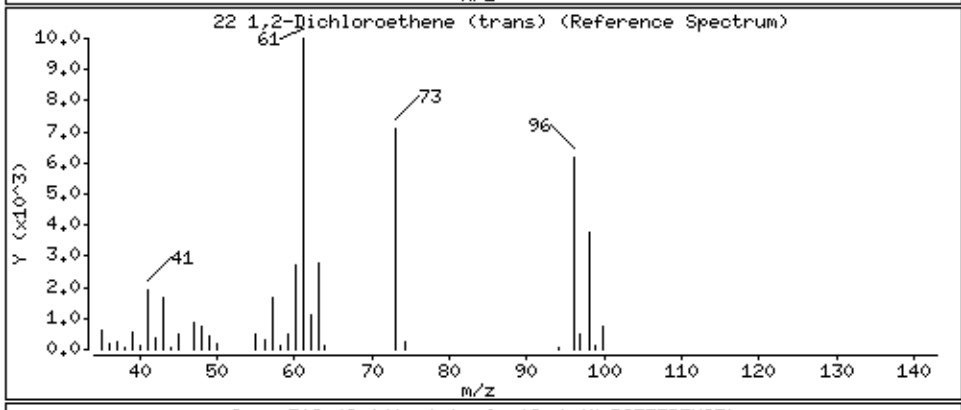
22 1,2-Dichloroethene (trans)

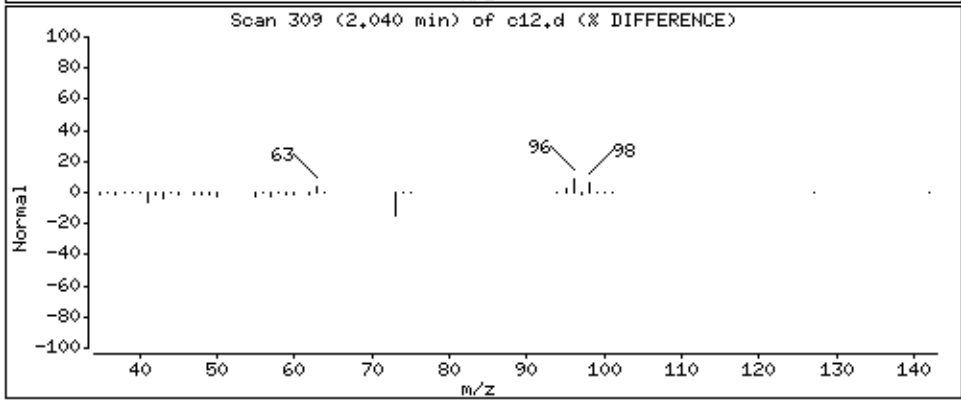
Concentration: 45.0 ppb

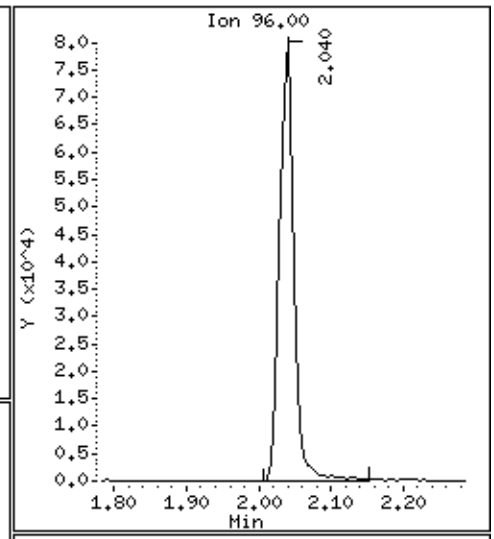
Review Code:

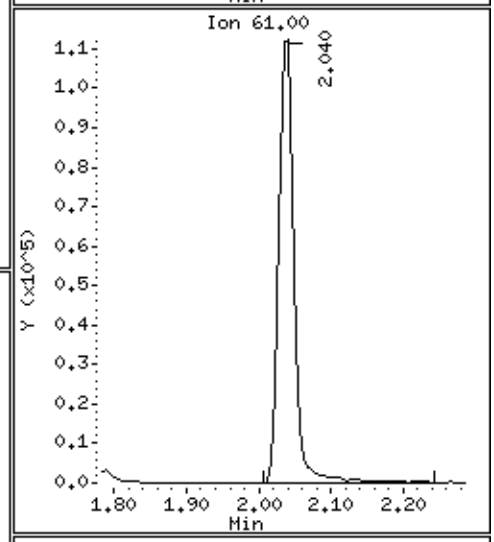


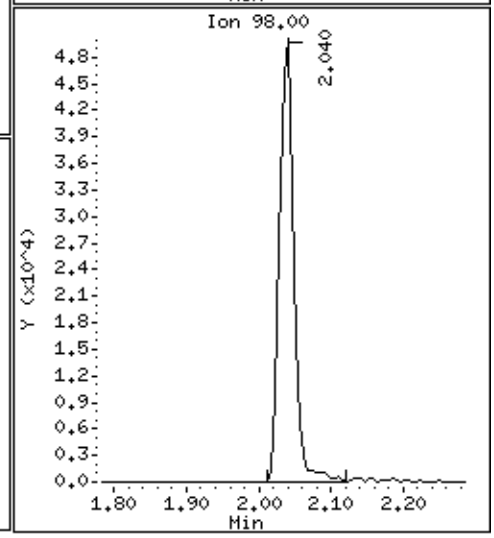












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

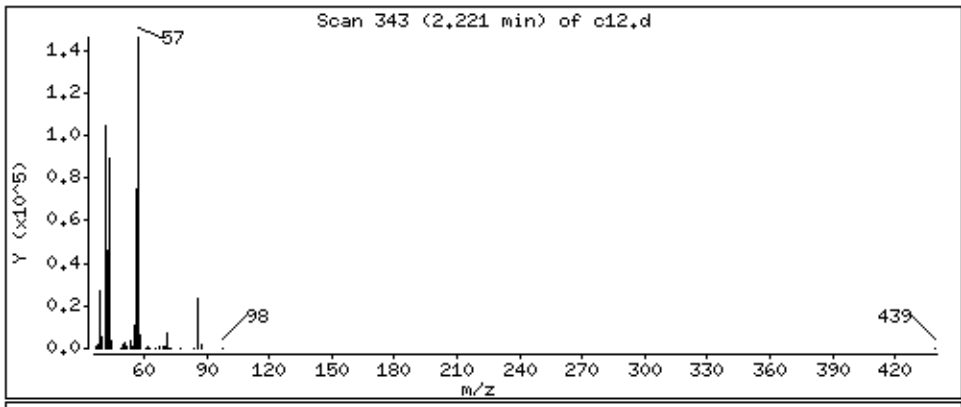
Column phase: DB-624

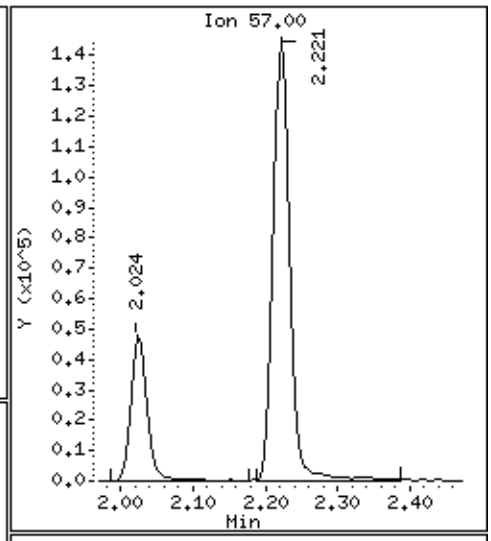
Column diameter: 0.18

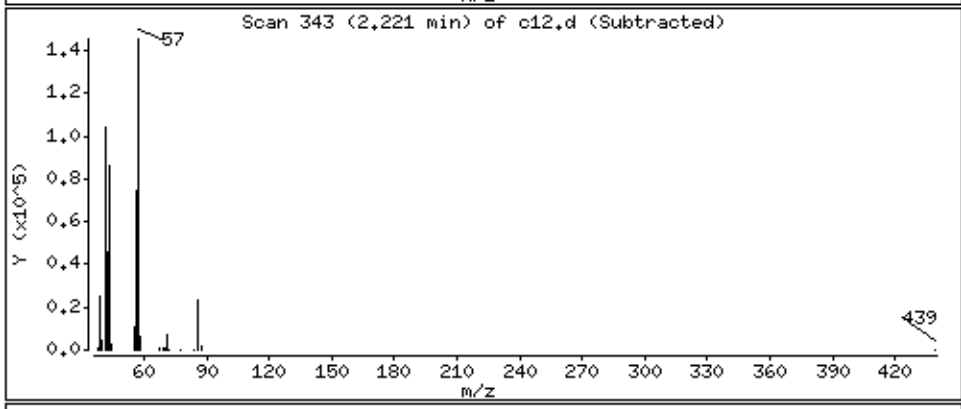
23 n-Hexane

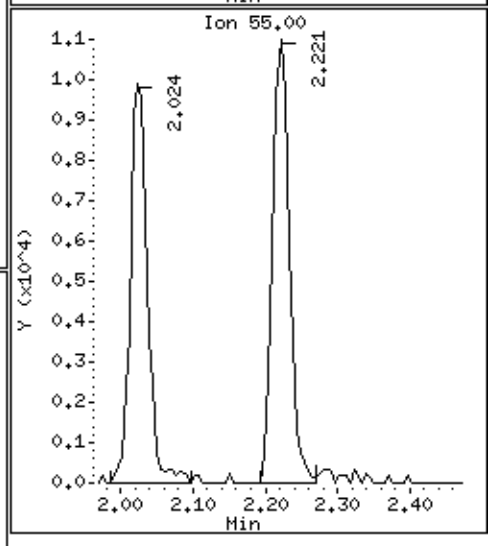
Concentration: 47.3 ppb

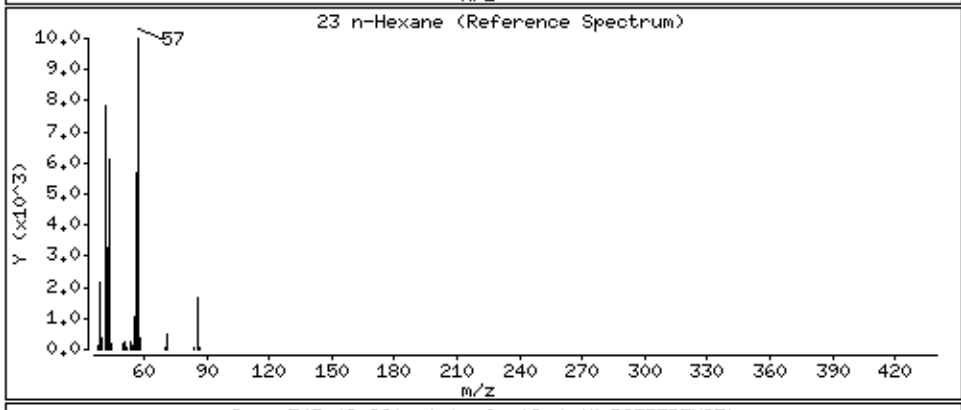
Review Code:

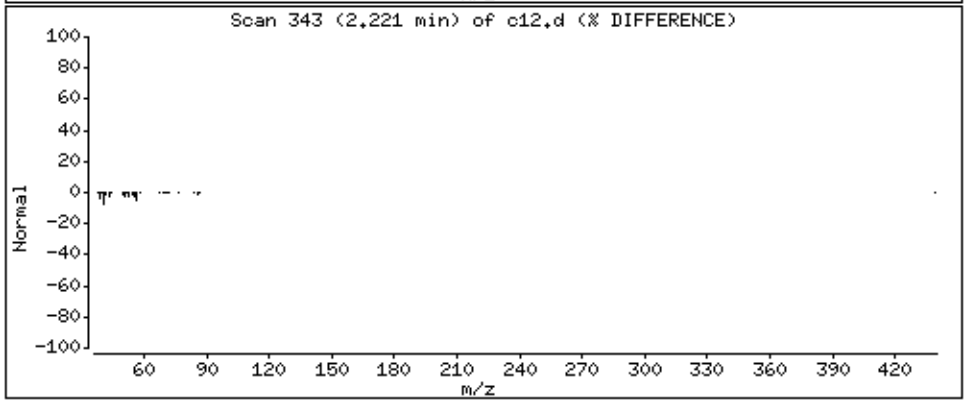












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

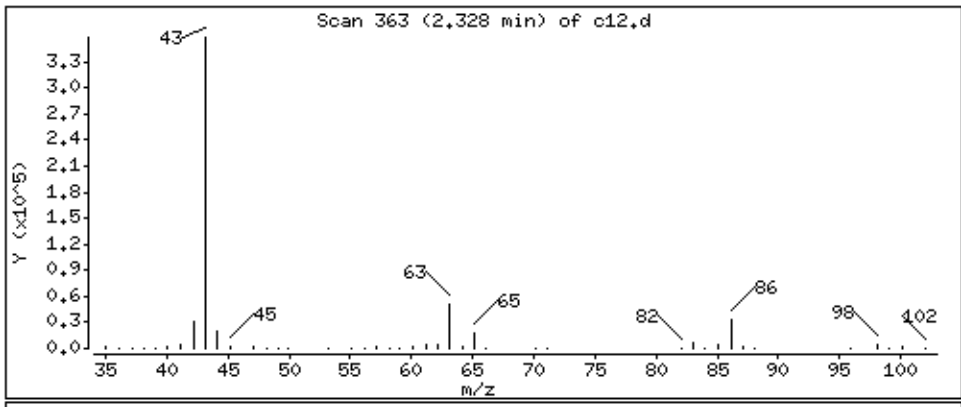
Column phase: DB-624

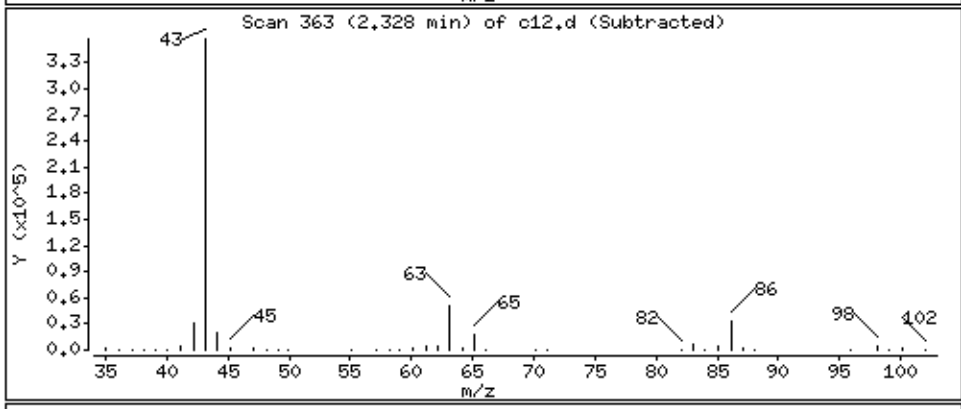
Column diameter: 0.18

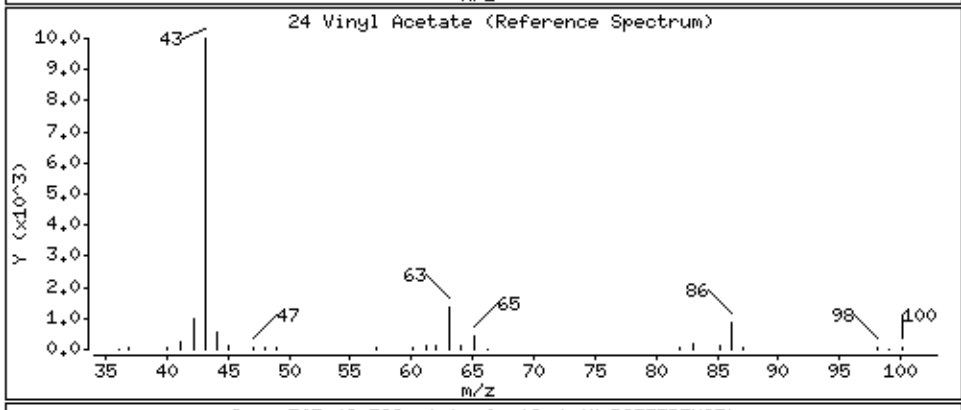
24 Vinyl Acetate

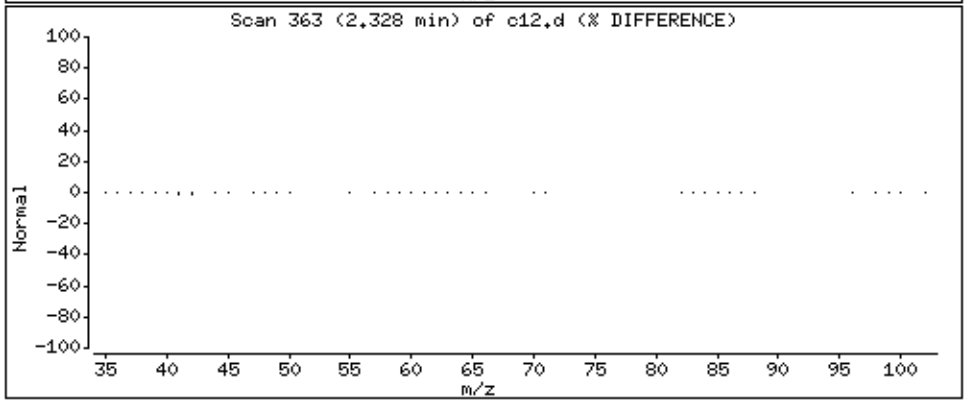
Concentration: 151 ppb

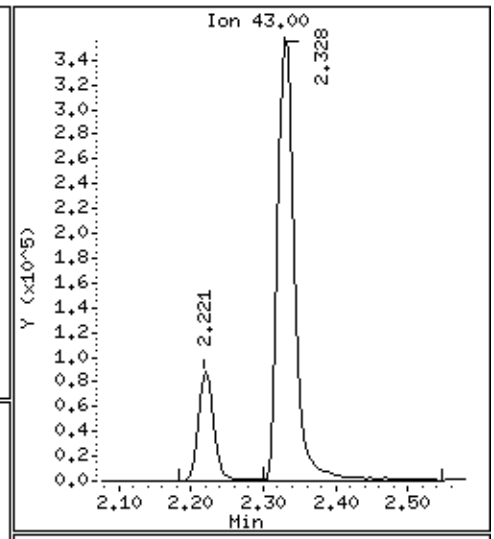
Review Code:

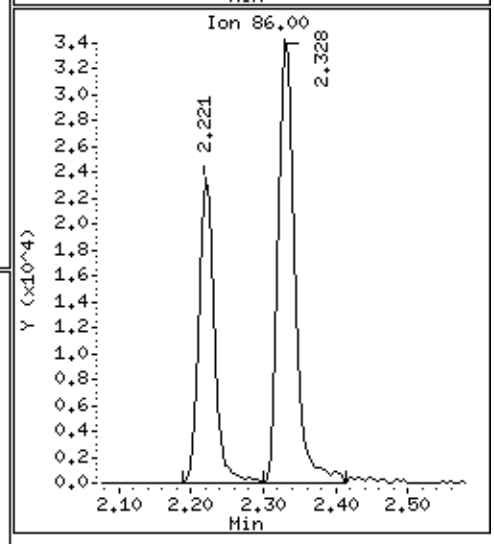












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

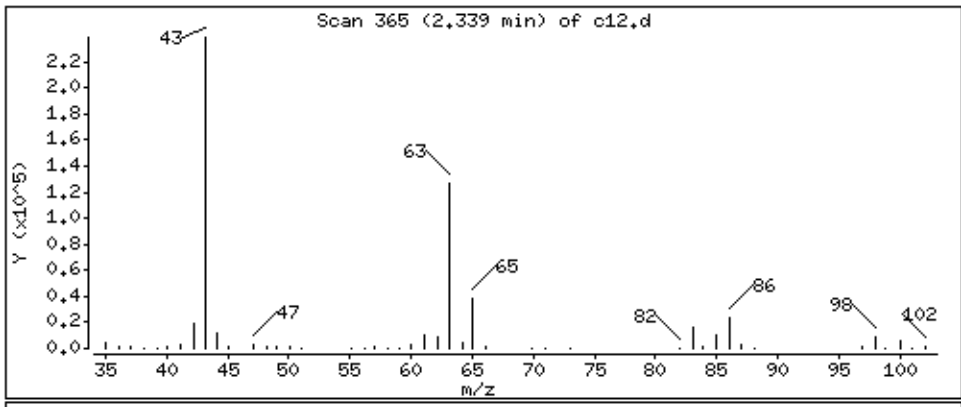
Column phase: DB-624

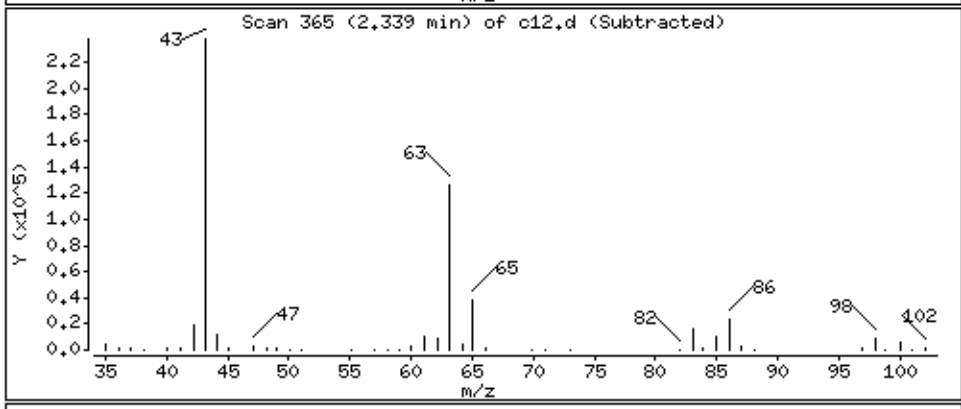
Column diameter: 0.18

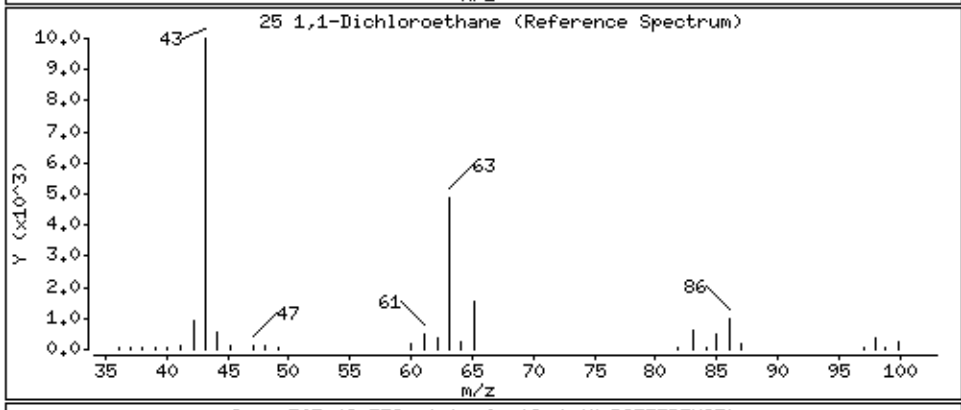
25 1,1-Dichloroethane

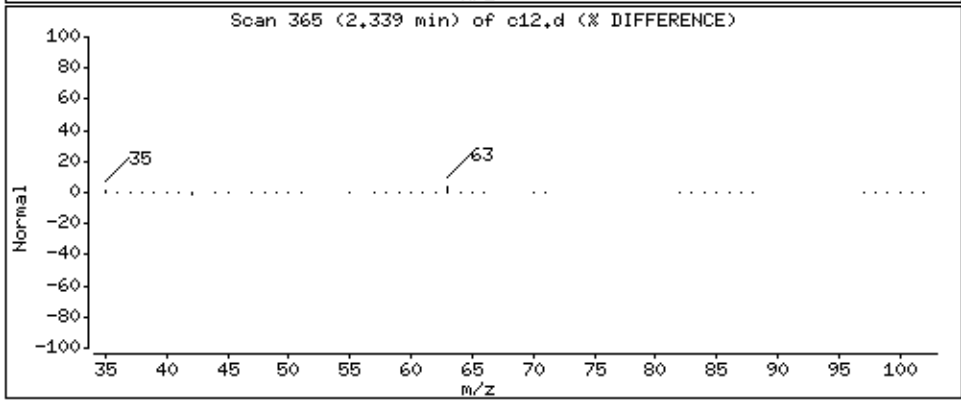
Concentration: 46.5 ppb

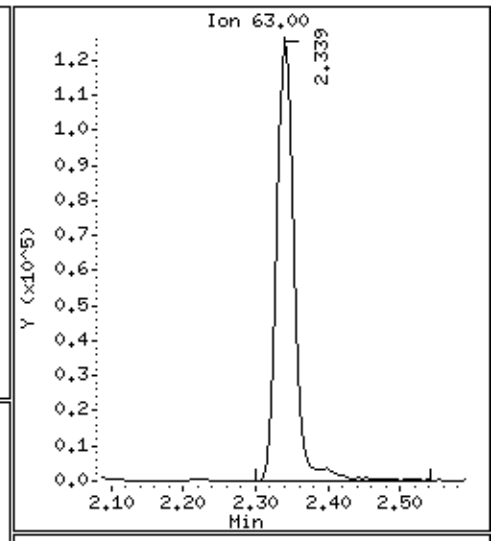
Review Code:

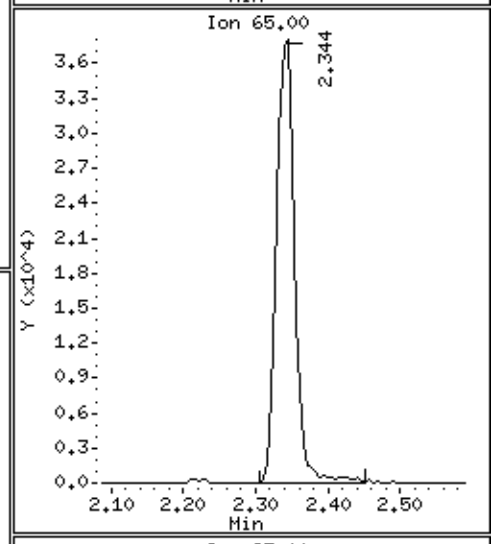


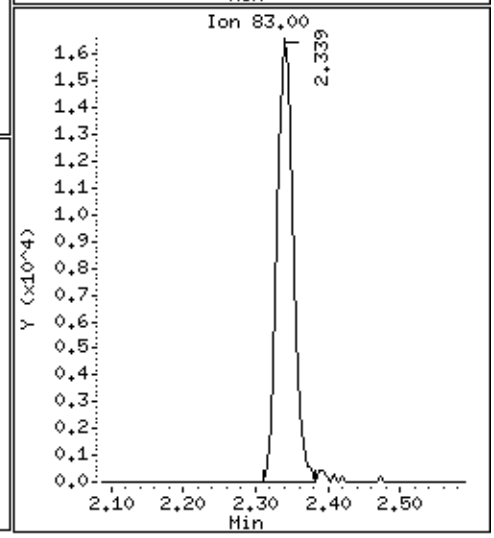












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

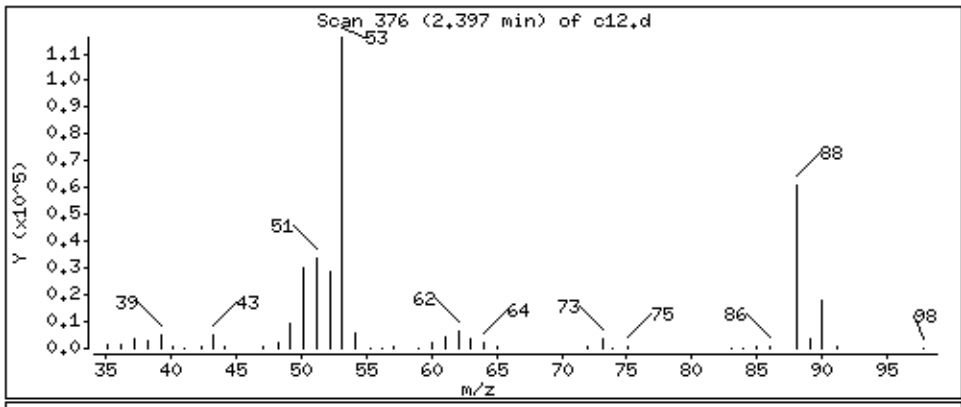
Column phase: DB-624

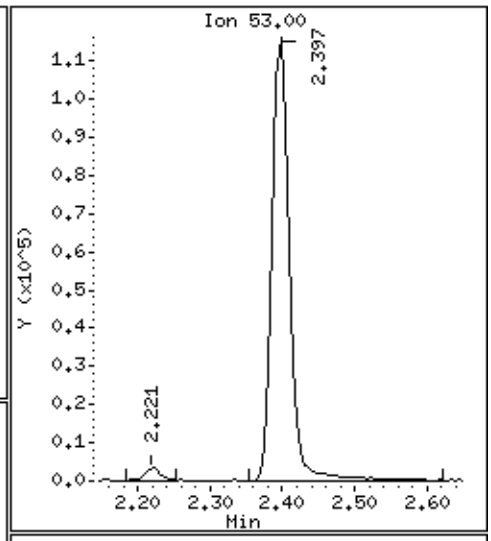
Column diameter: 0.18

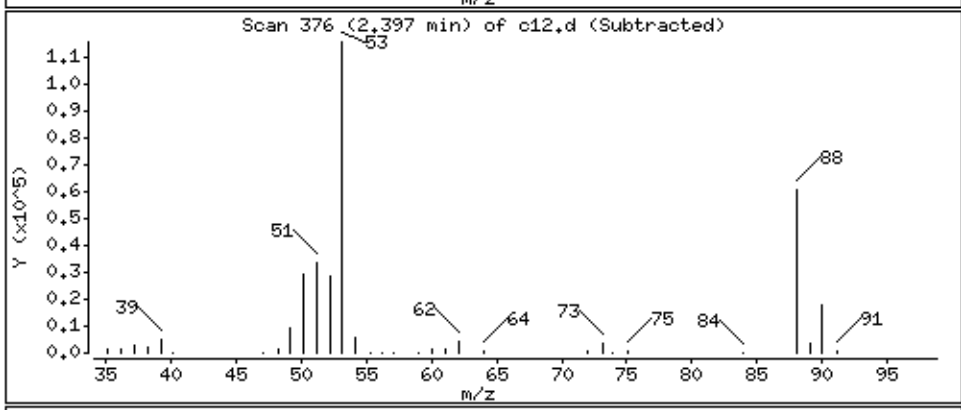
26 Chloroprene

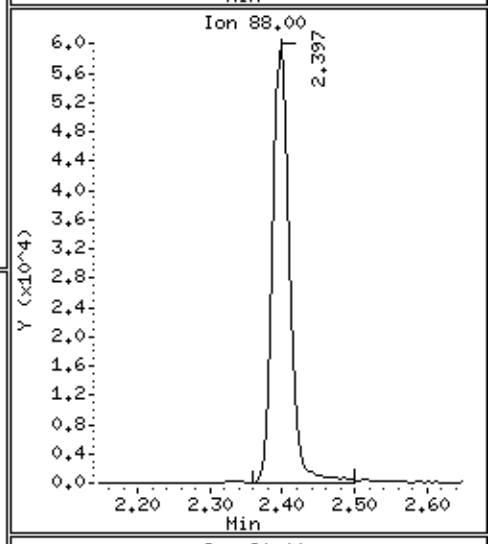
Concentration: 41.0 ppb

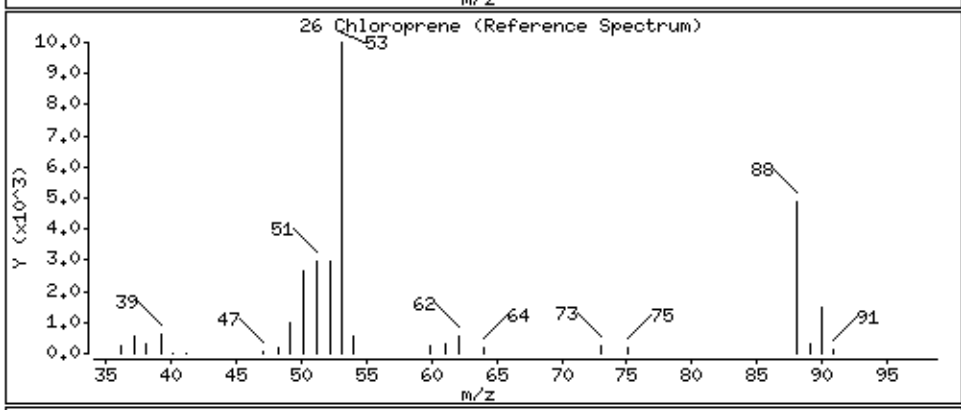
Review Code:

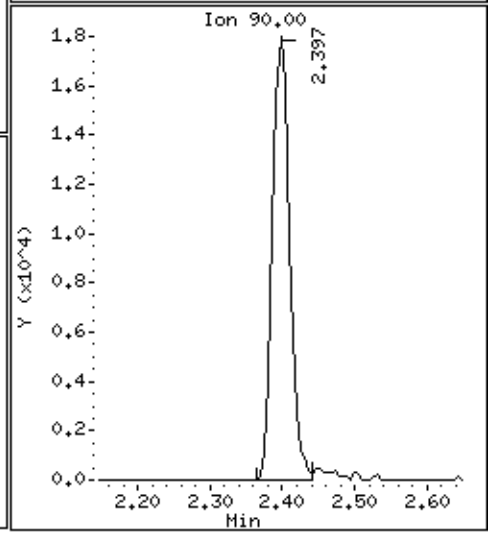


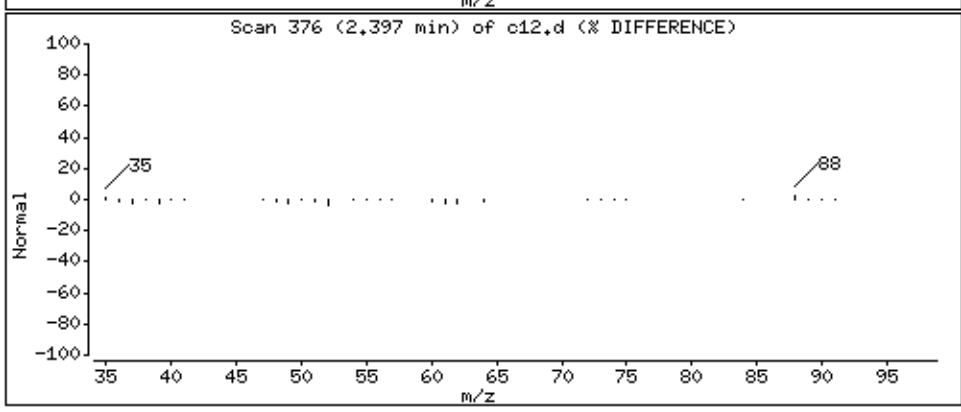












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

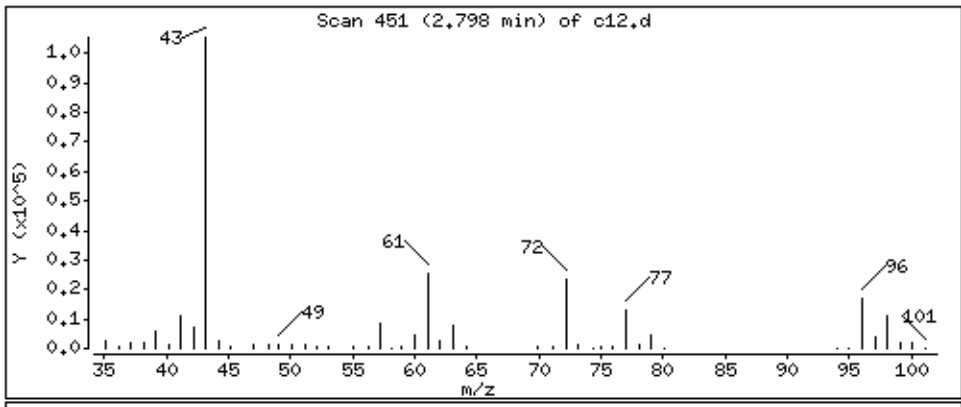
Column phase: DB-624

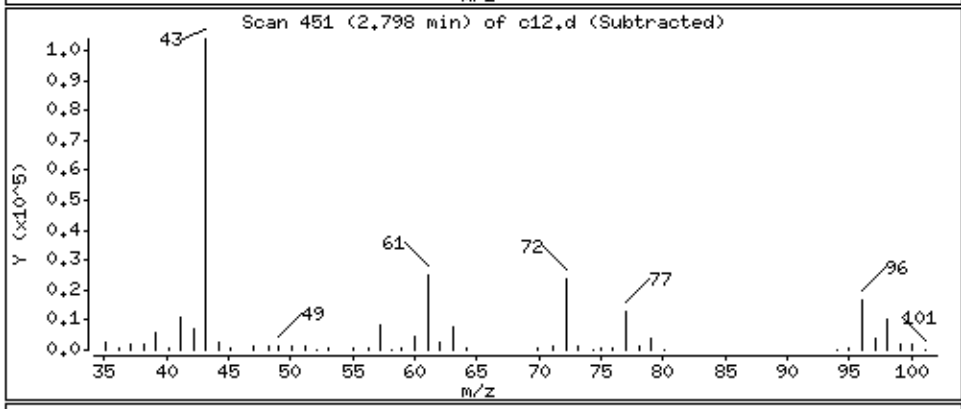
Column diameter: 0.18

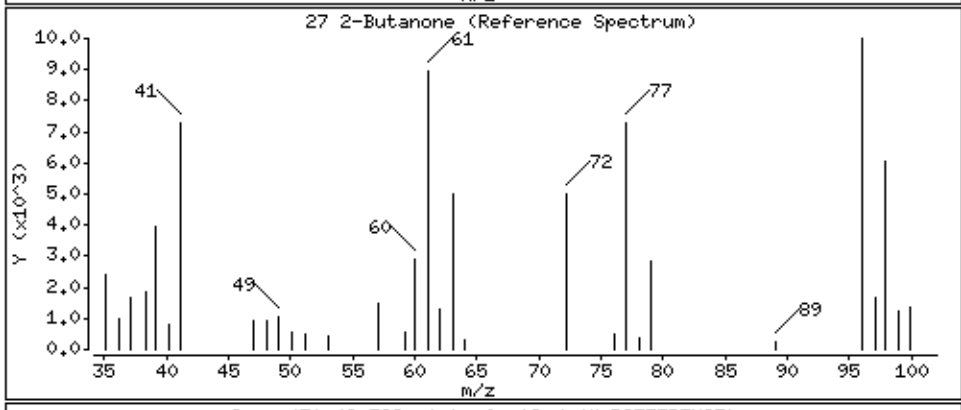
27 2-Butanone

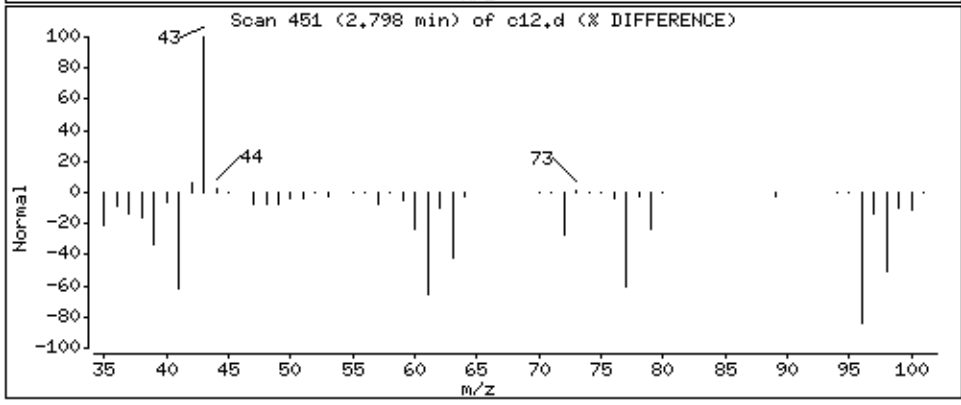
Concentration: 305 ppb

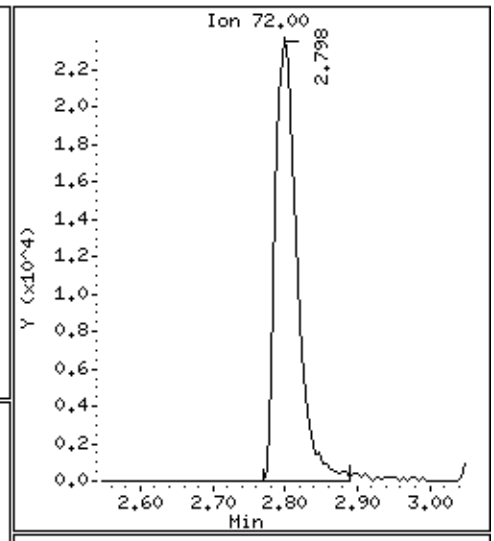
Review Code:

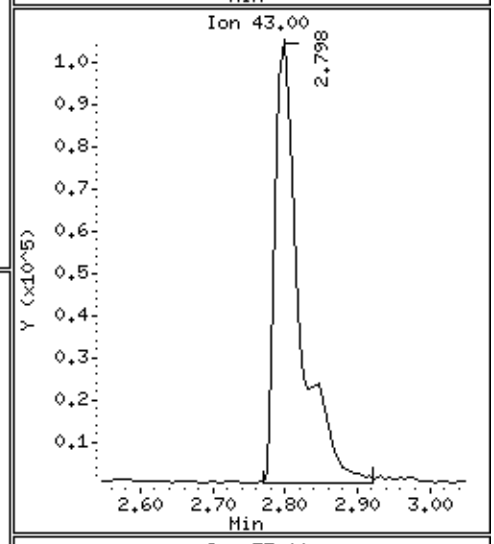


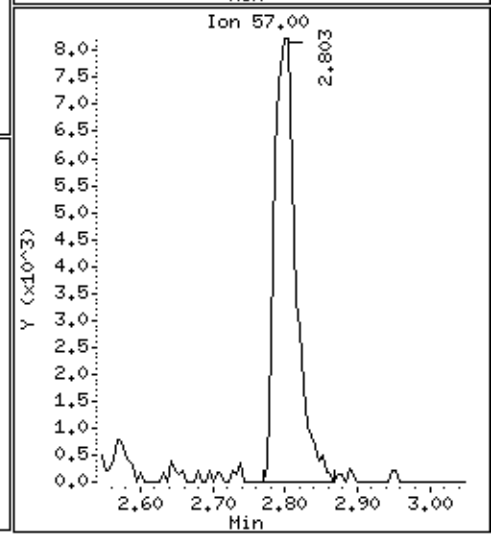












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

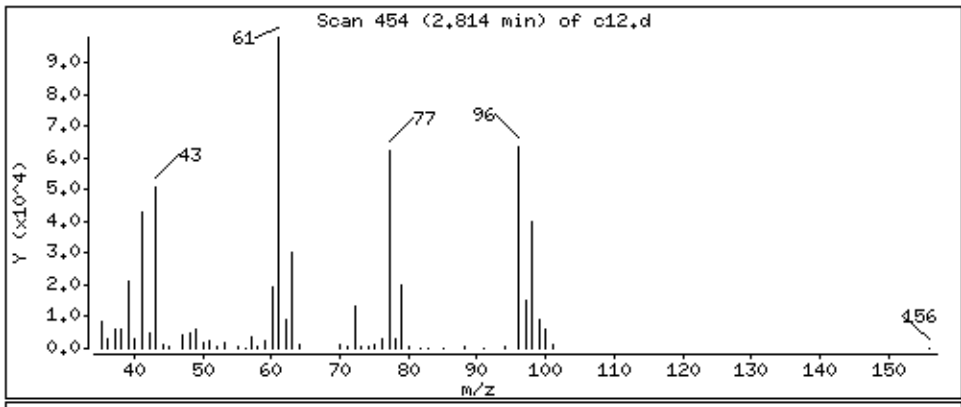
Column phase: DB-624

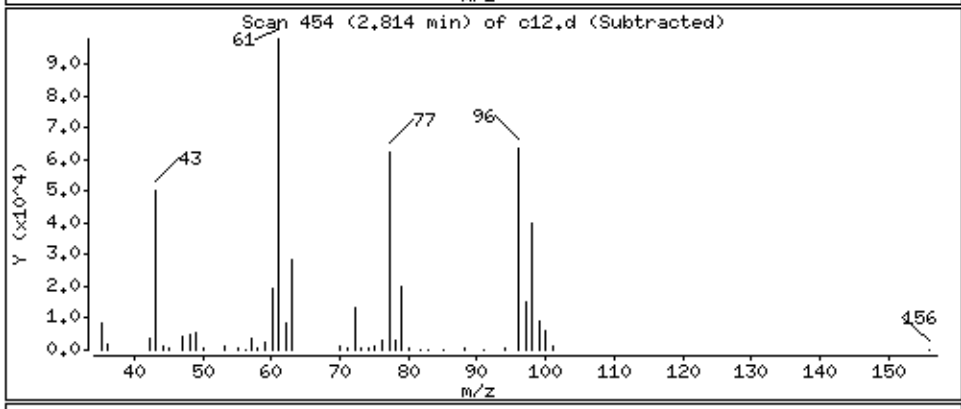
Column diameter: 0.18

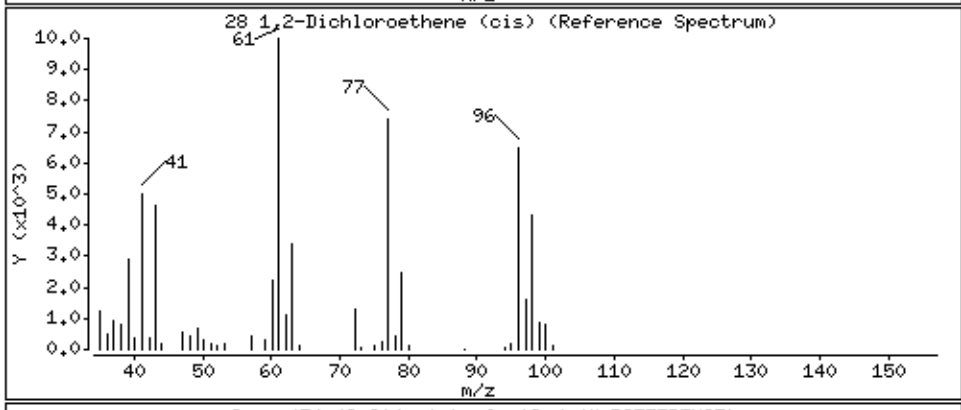
28 1,2-Dichloroethene (cis)

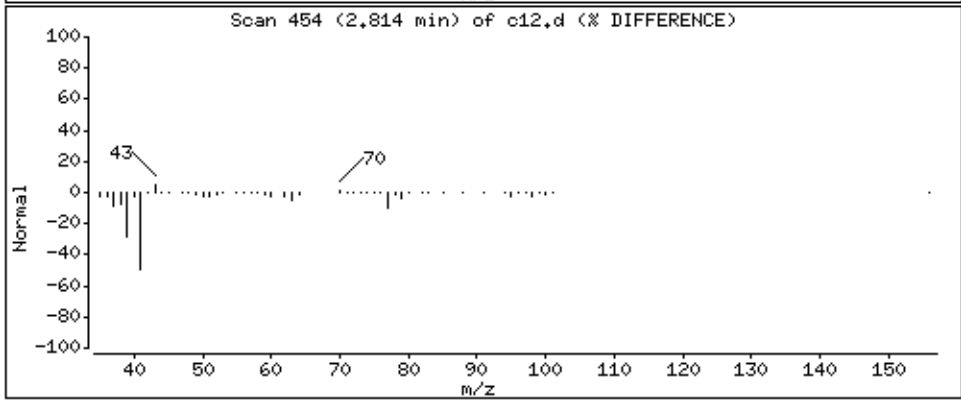
Concentration: 45.6 ppb

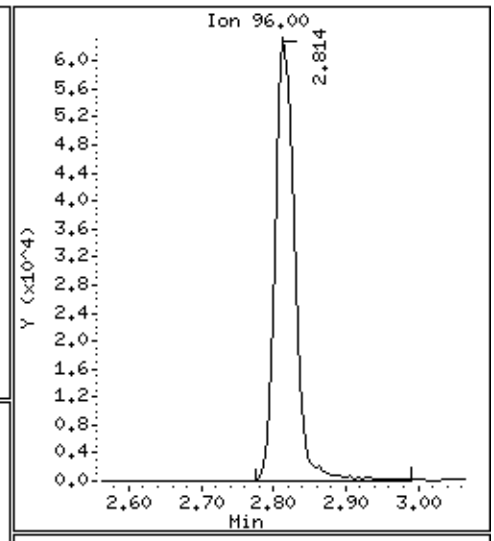
Review Code:

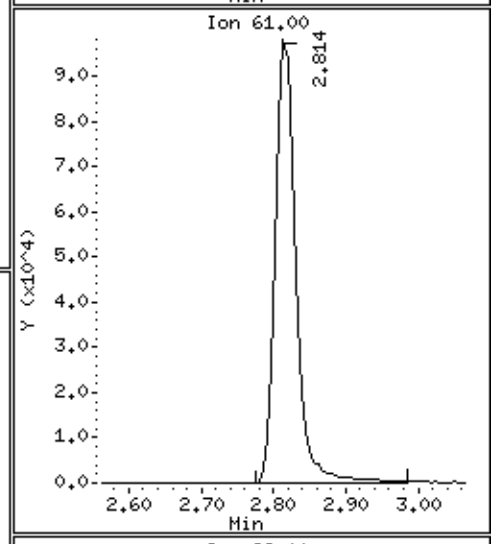


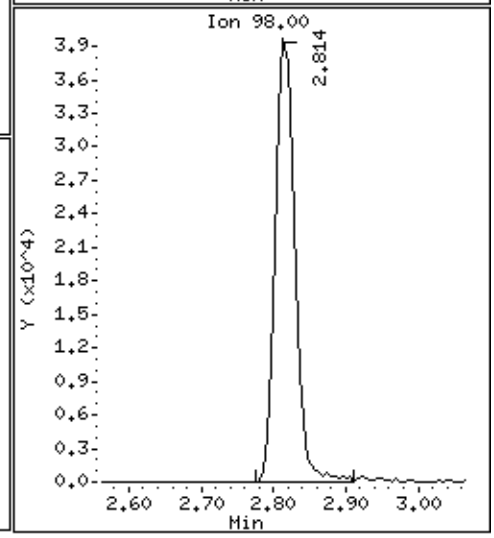












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

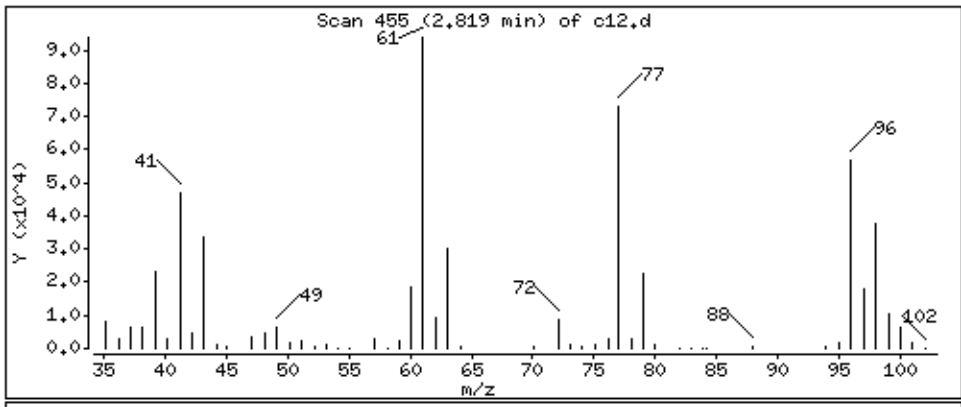
Column phase: DB-624

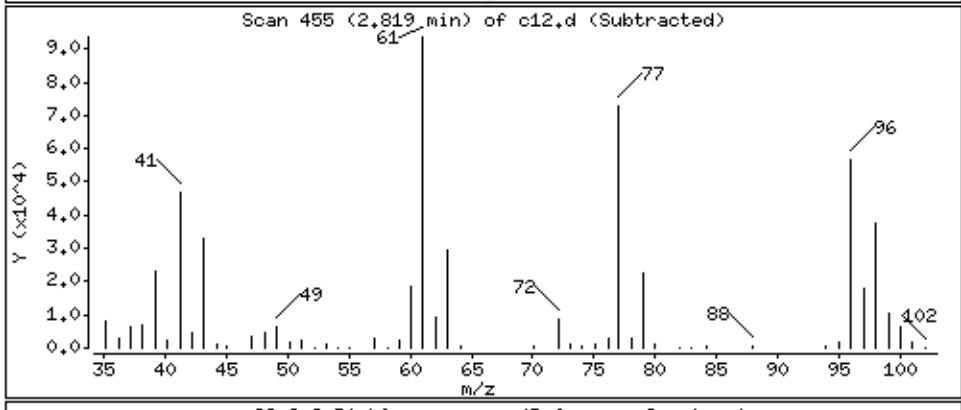
Column diameter: 0.18

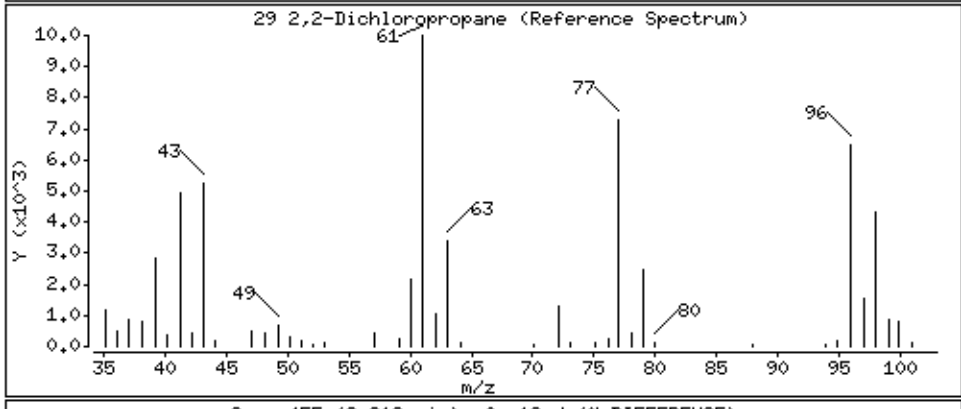
29 2,2-Dichloropropane

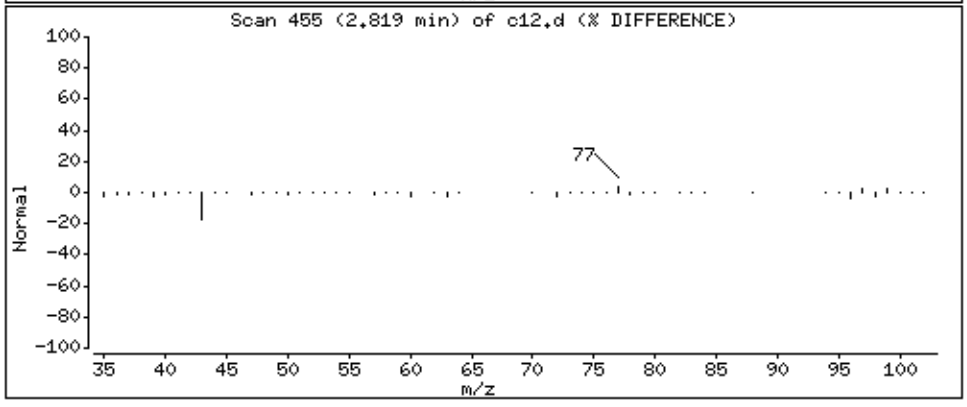
Concentration: 42.4 ppb

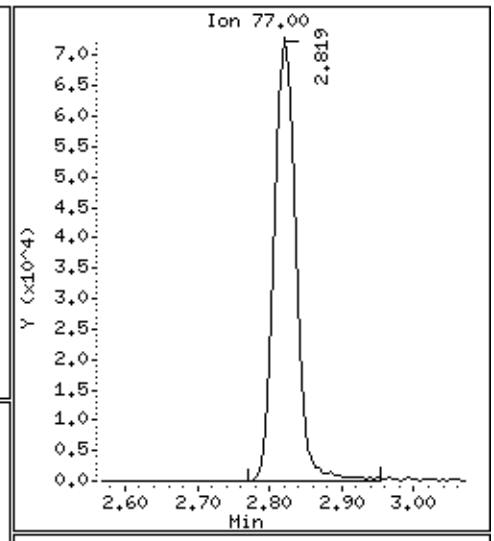
Review Code:

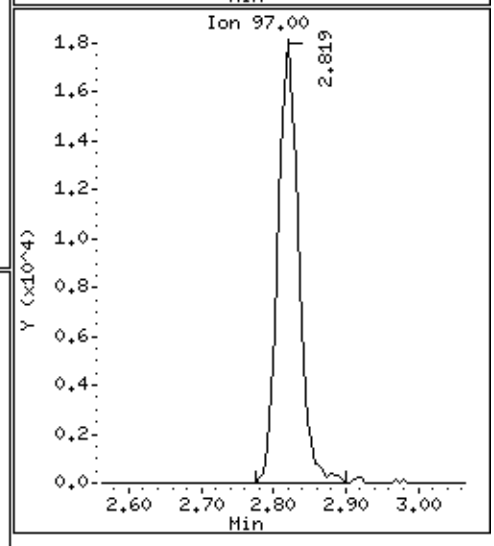












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

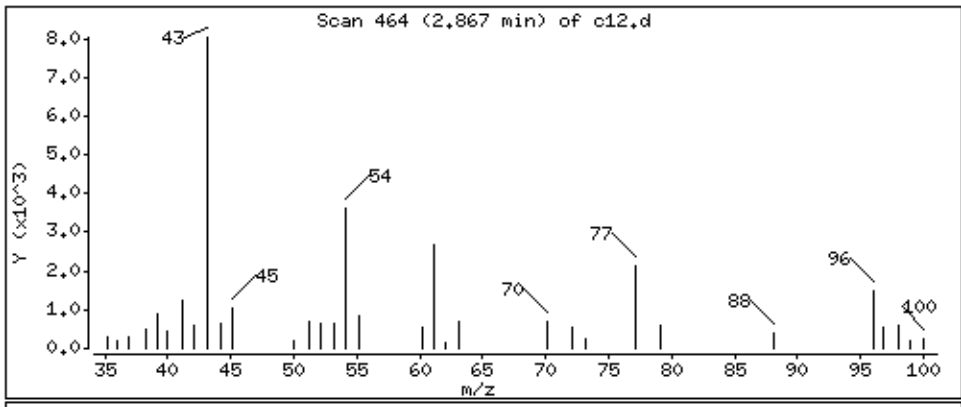
Column phase: DB-624

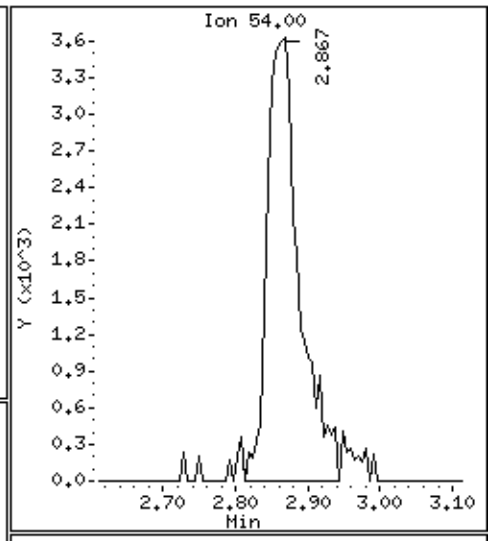
Column diameter: 0.18

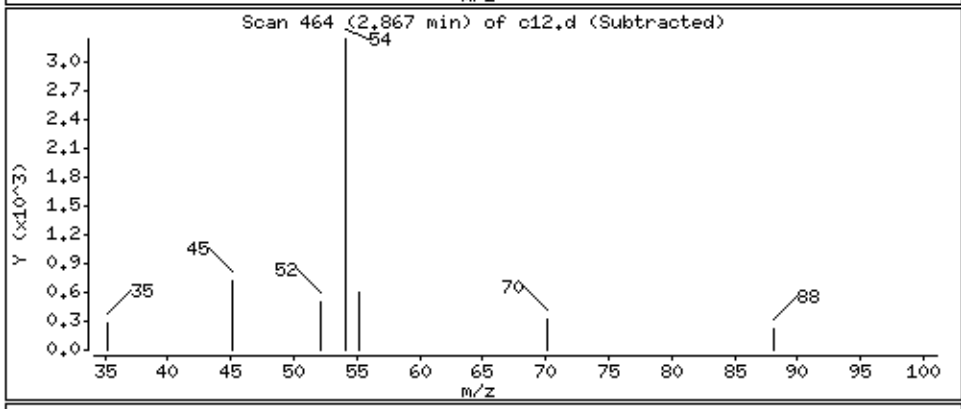
30 Propionitrile

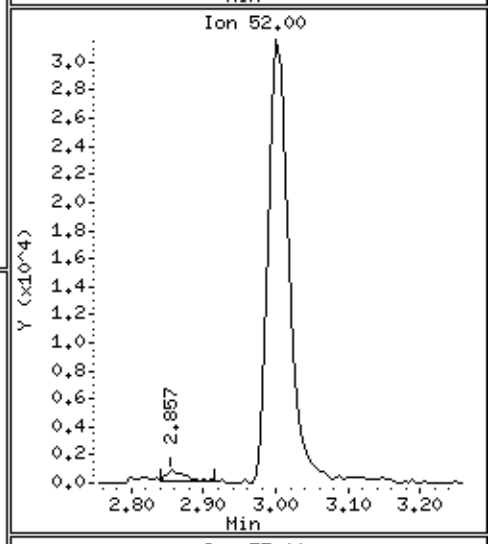
Concentration: 49.3 ppb

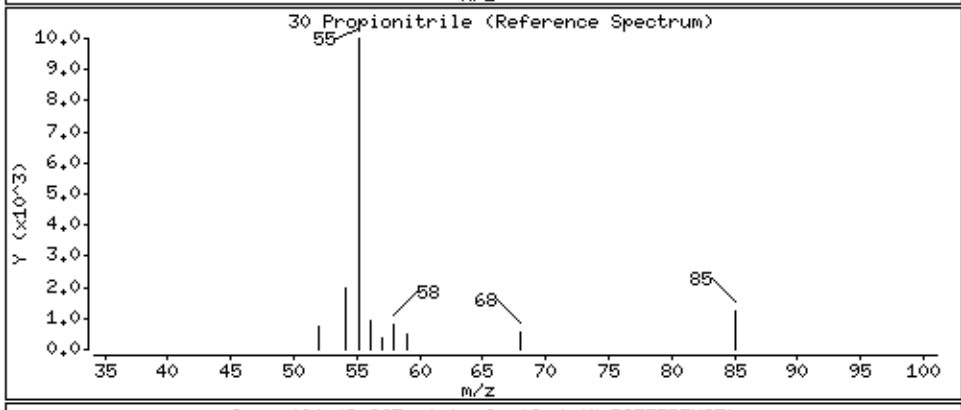
Review Code:

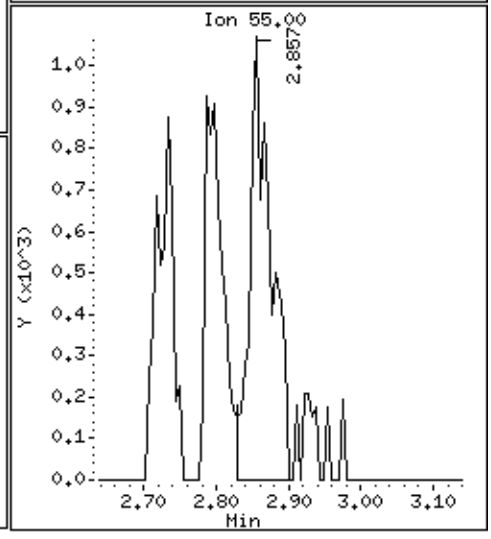


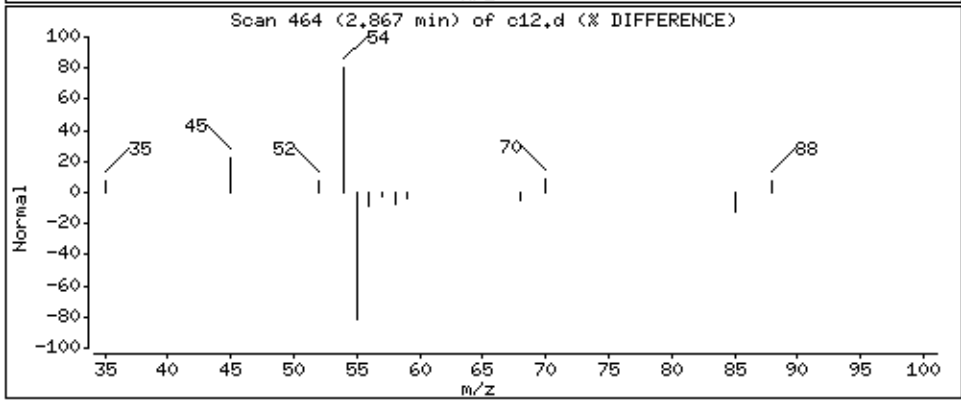












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

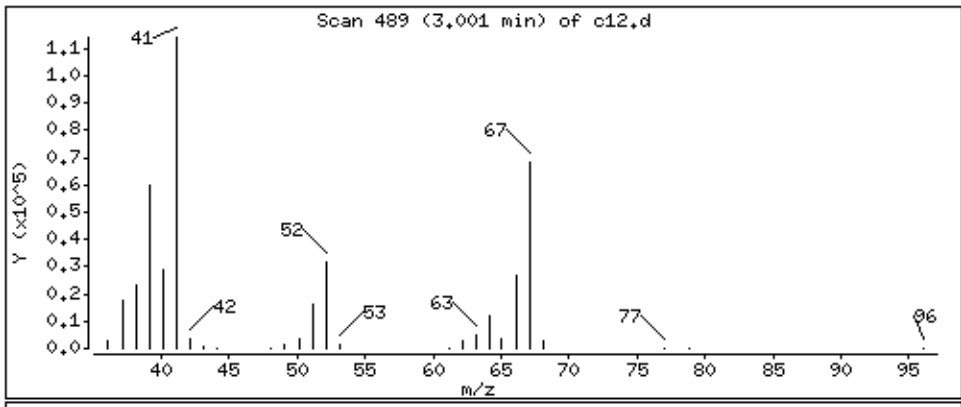
Column phase: DB-624

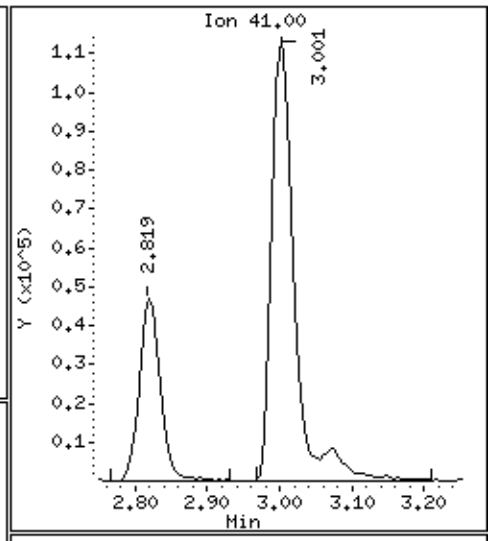
Column diameter: 0.18

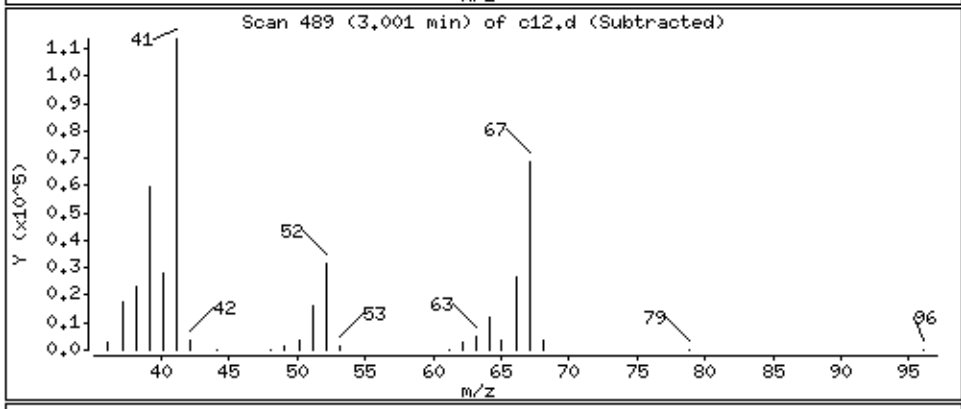
31 Methacrylonitrile

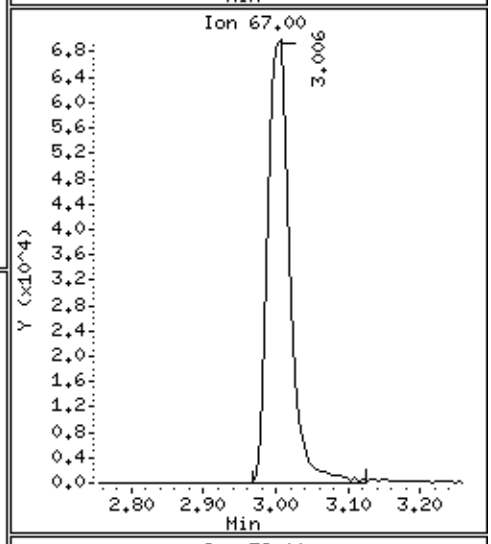
Concentration: 230 ppb

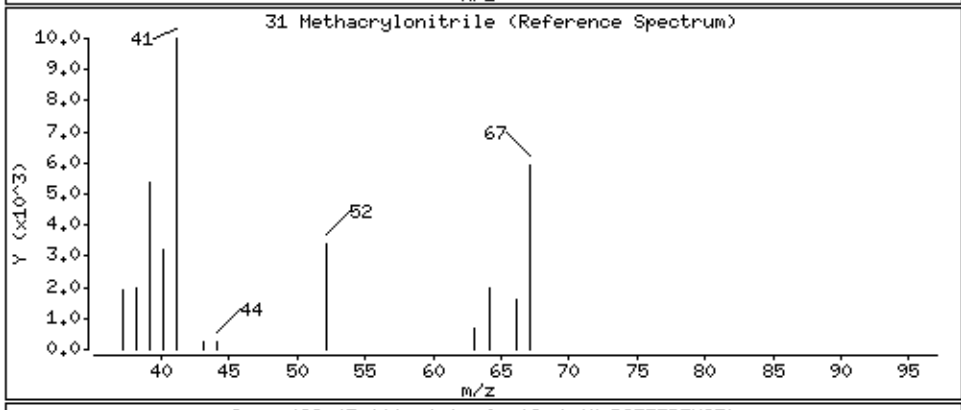
Review Code:

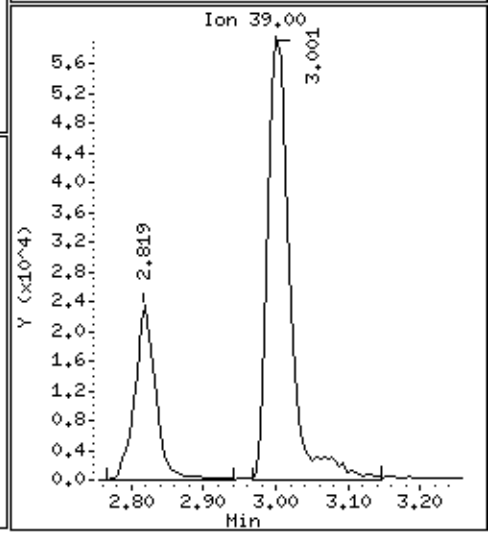


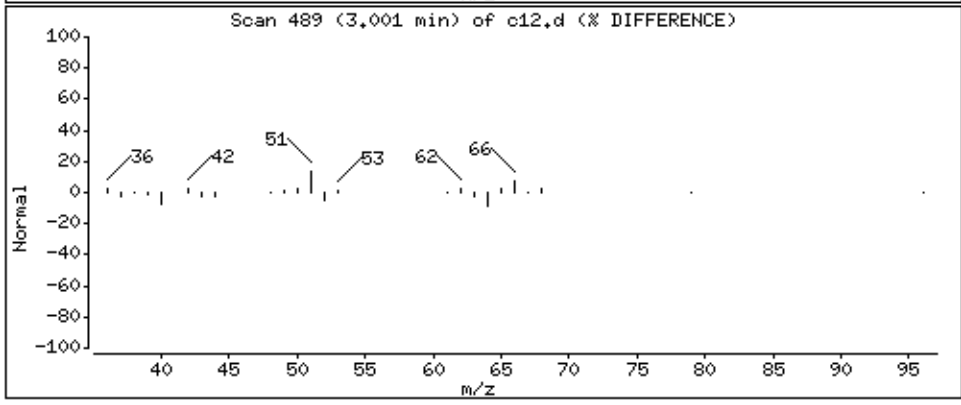












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

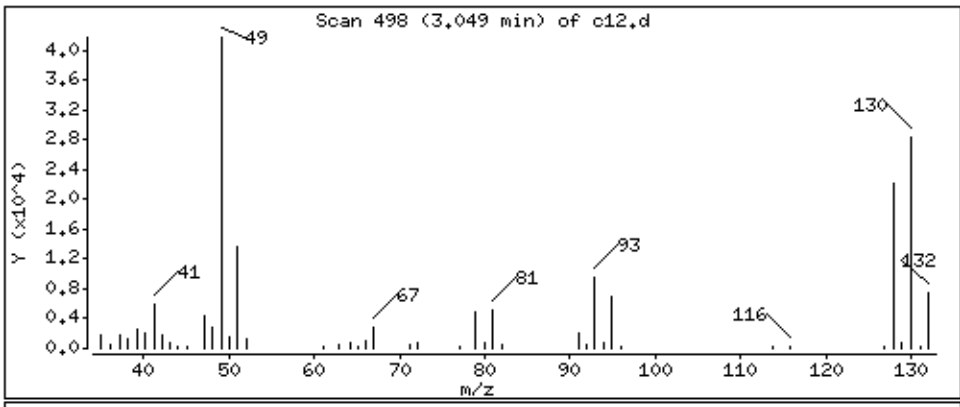
Column phase: DB-624

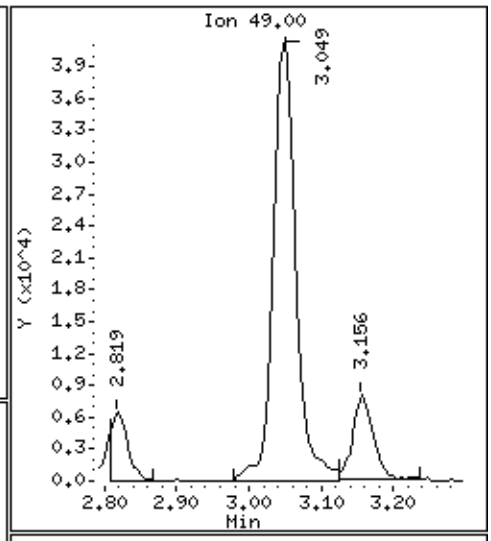
Column diameter: 0.18

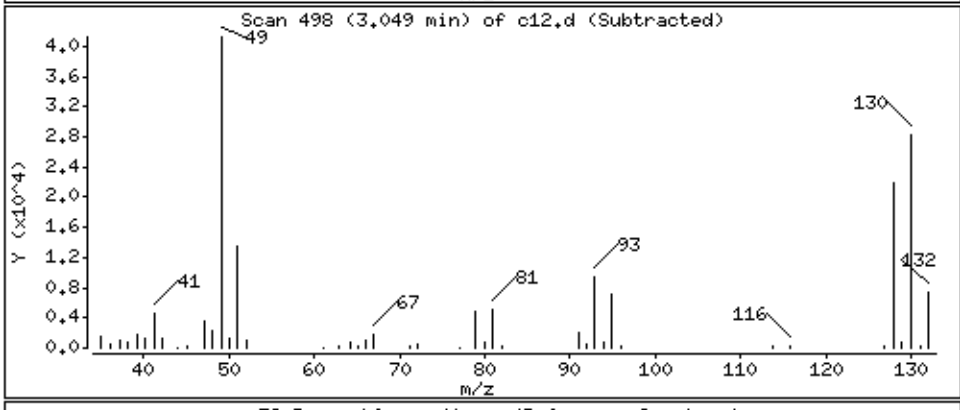
32 Bromochloromethane

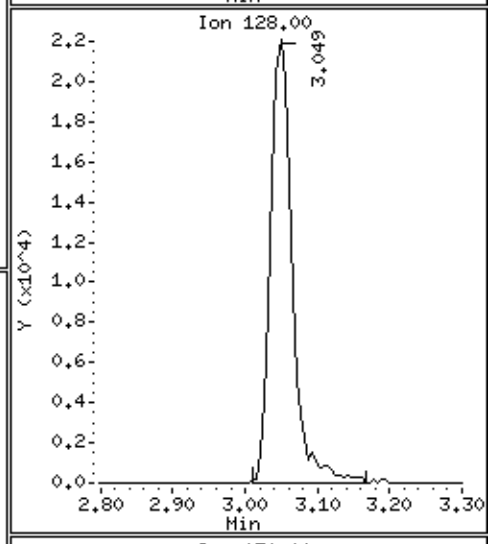
Concentration: 48.1 ppb

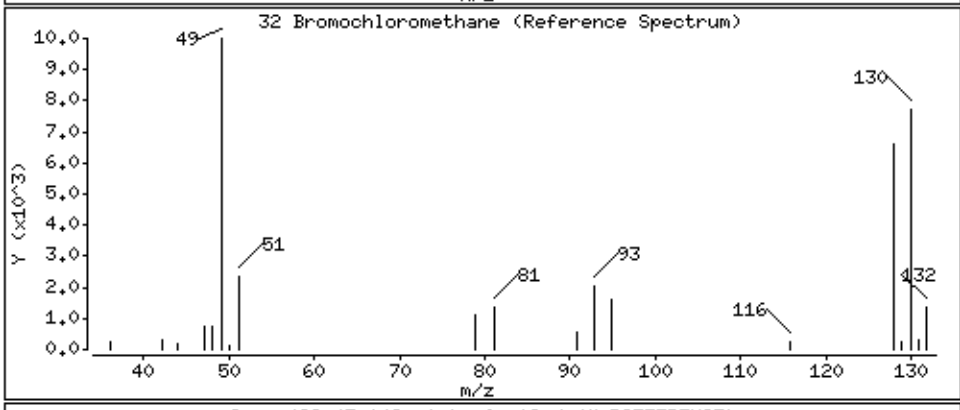
Review Code:

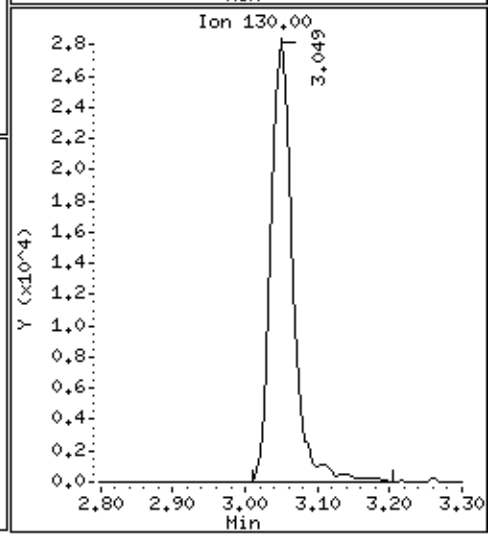


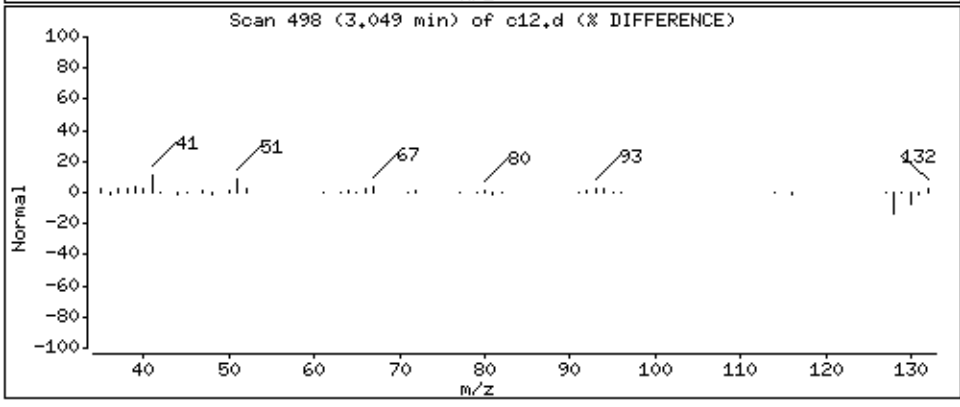












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

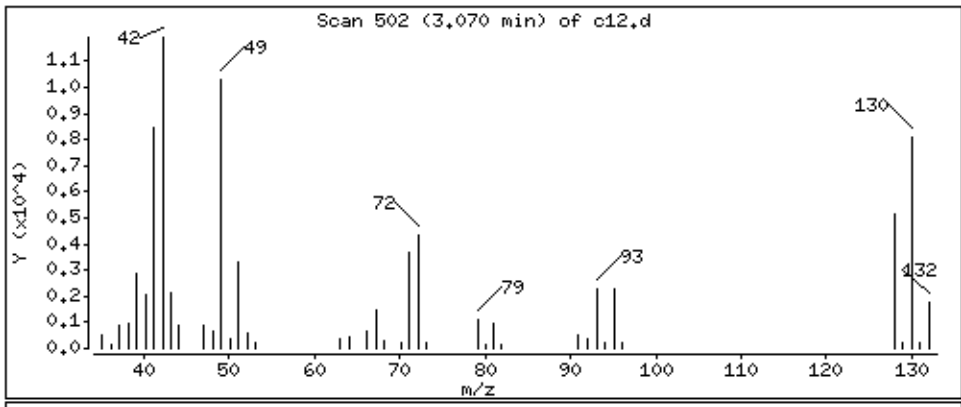
Column phase: DB-624

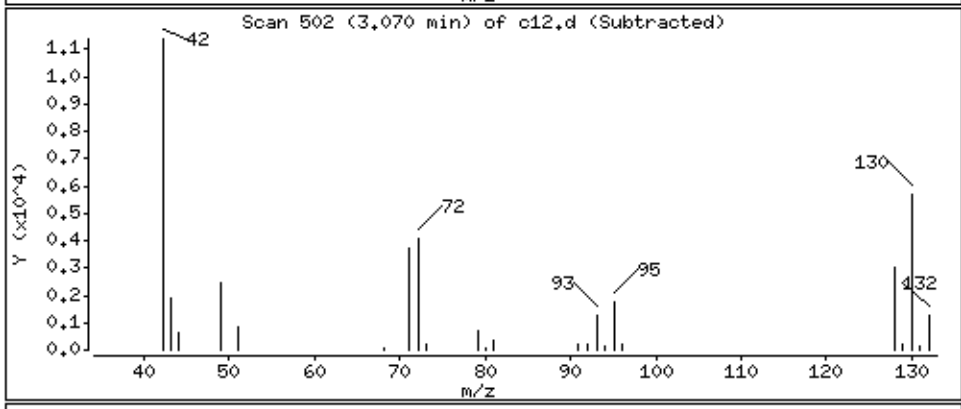
Column diameter: 0.18

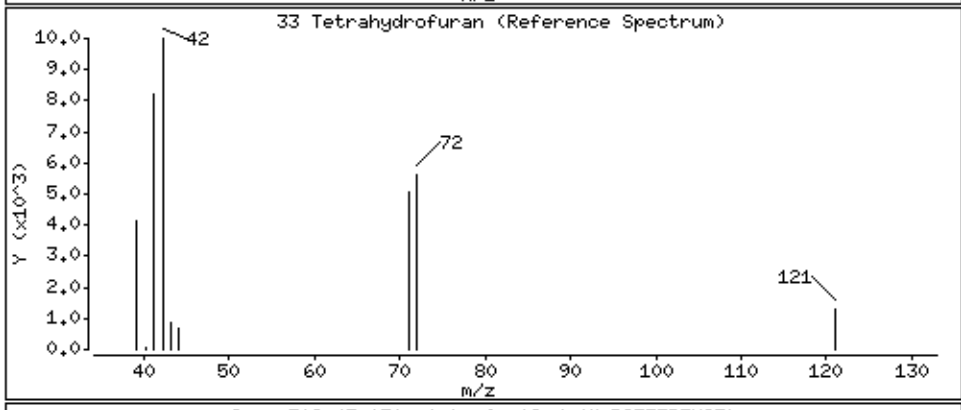
33 Tetrahydrofuran

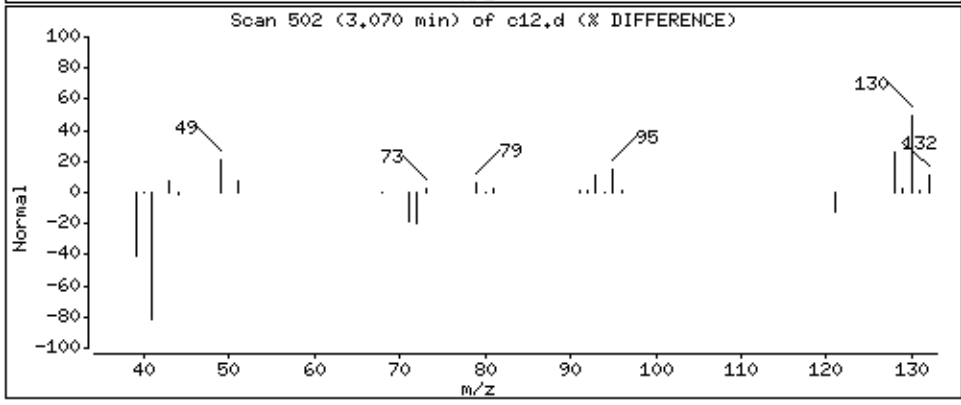
Concentration: 53.8 ppb

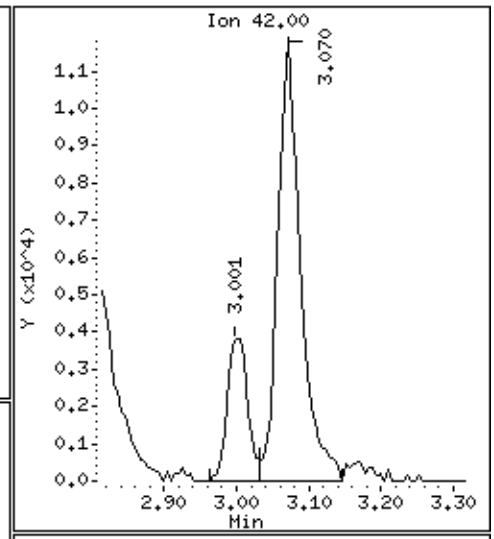
Review Code:

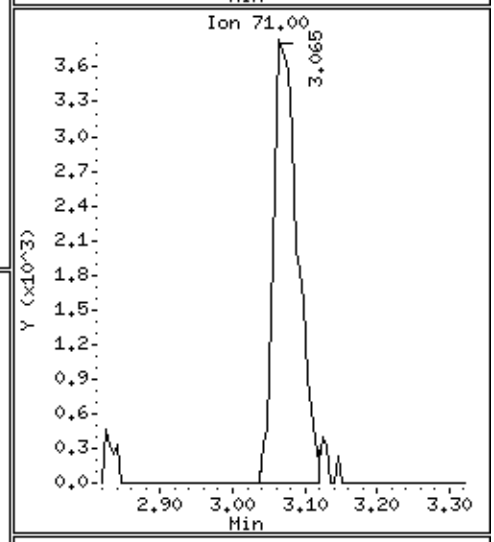


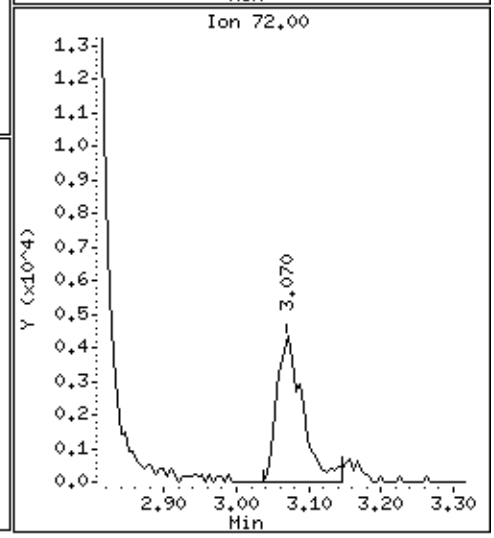












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

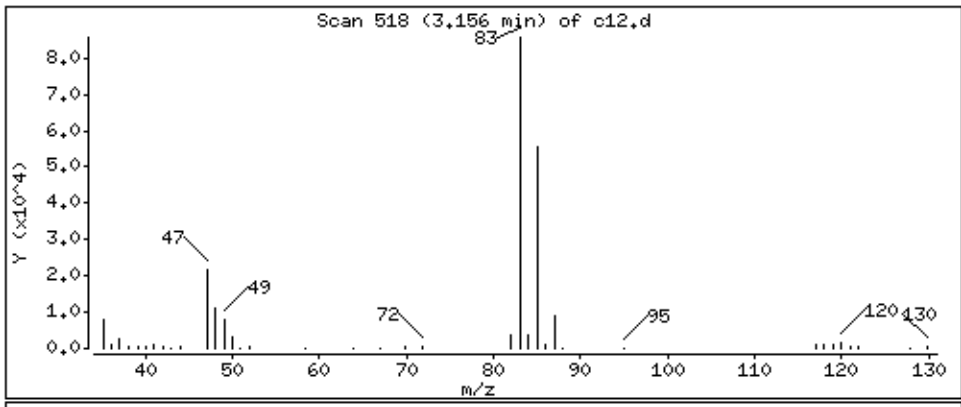
Column phase: DB-624

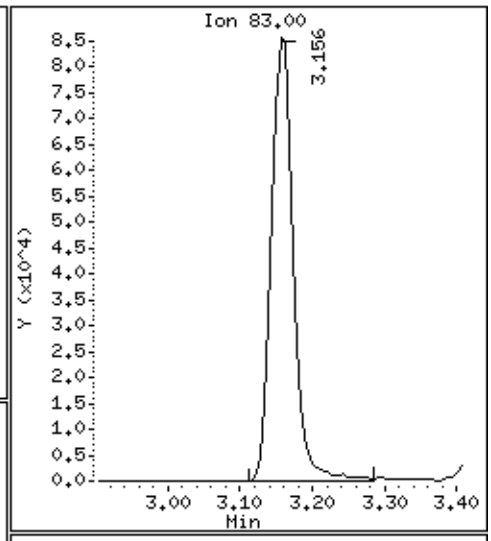
Column diameter: 0.18

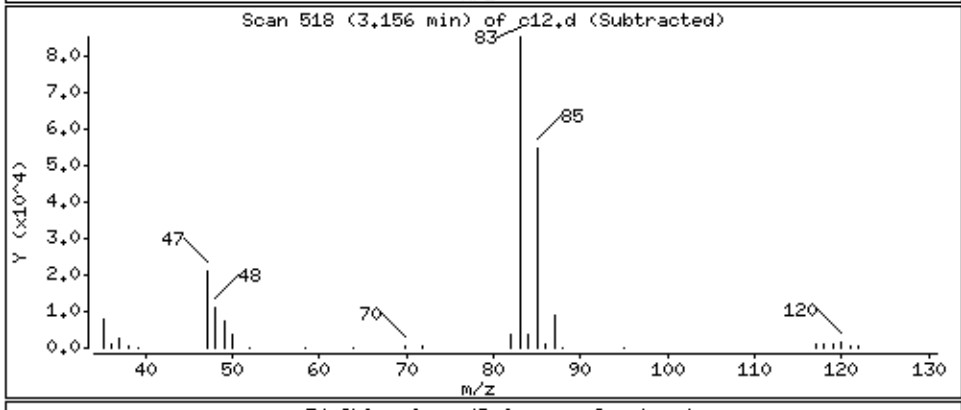
34 Chloroform

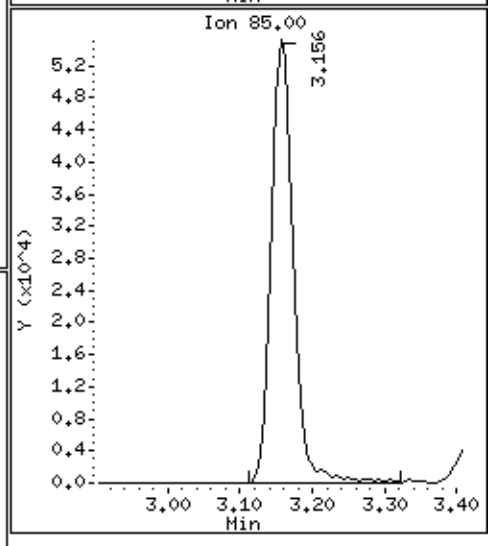
Concentration: 43.1 ppb

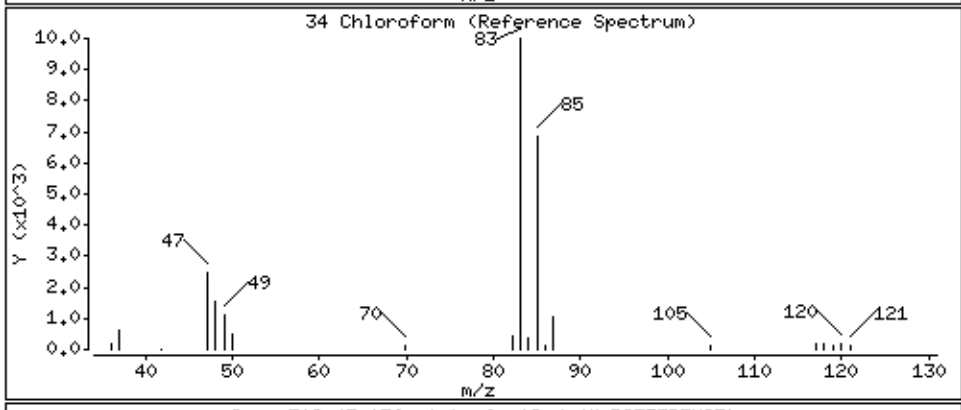
Review Code:

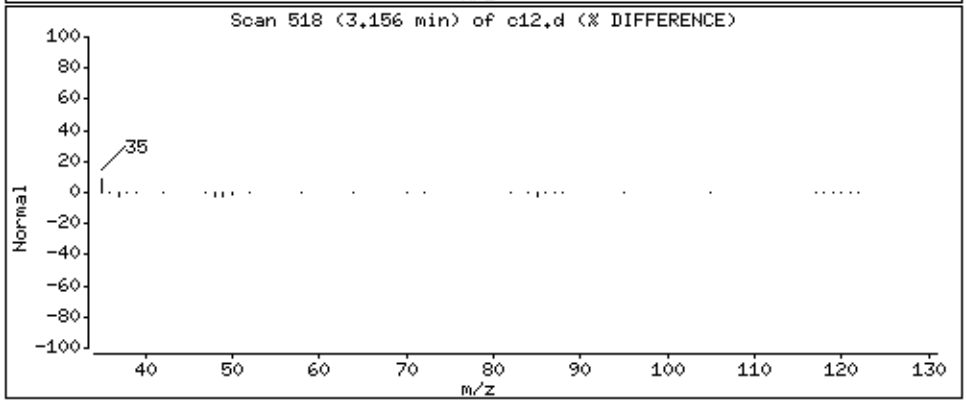












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

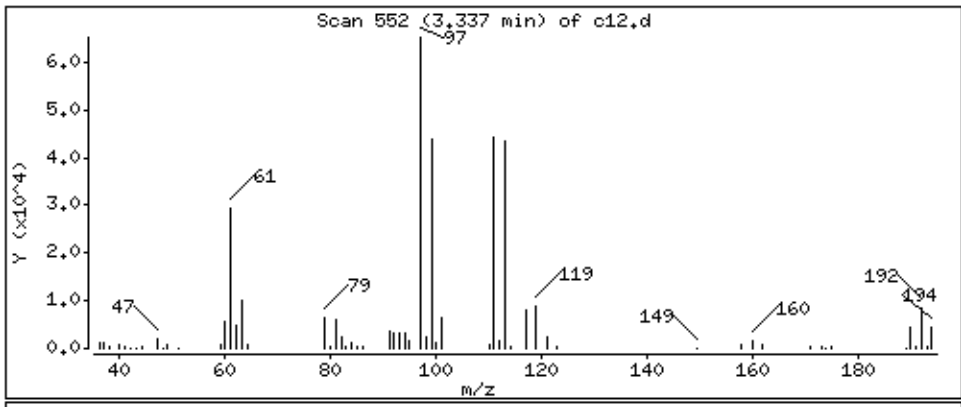
Column phase: DB-624

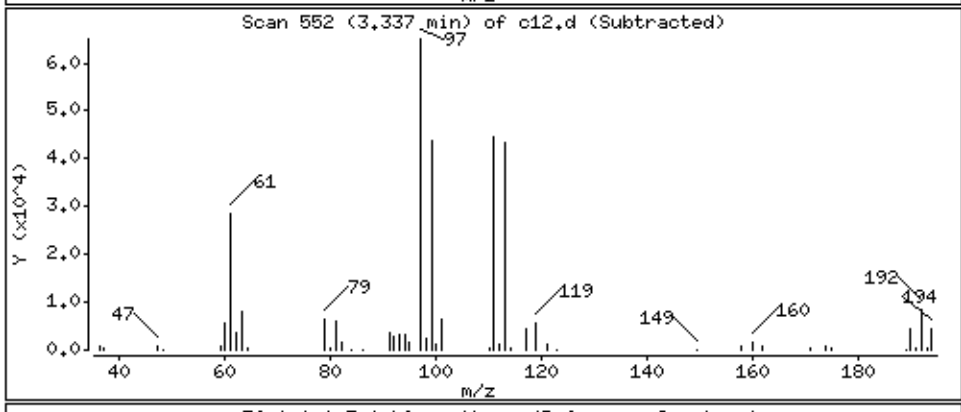
Column diameter: 0.18

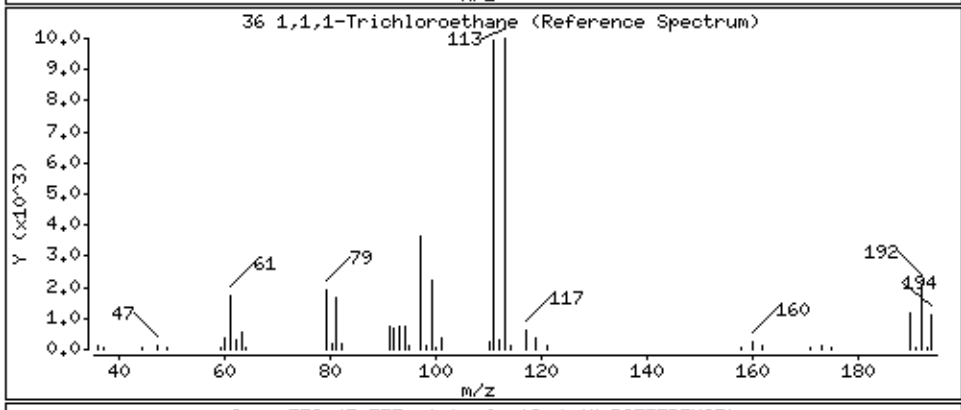
36 1,1,1-Trichloroethane

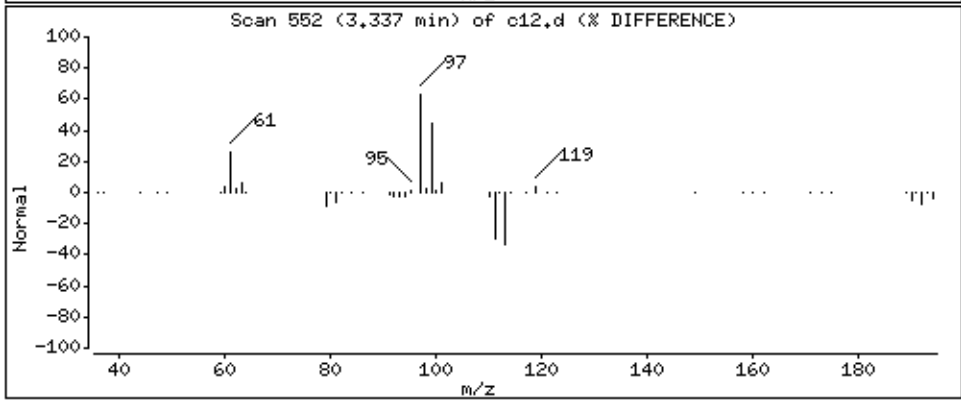
Concentration: 40.6 ppb

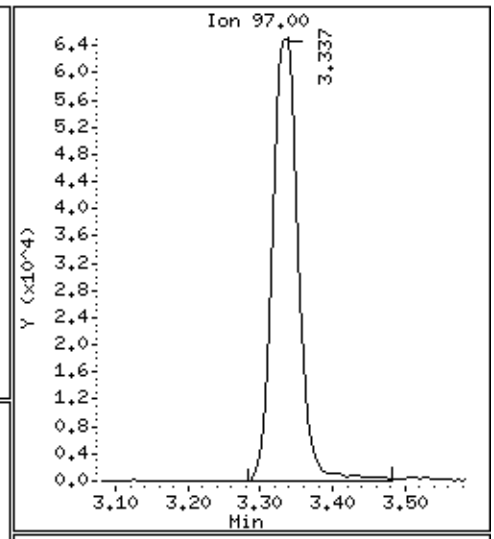
Review Code:

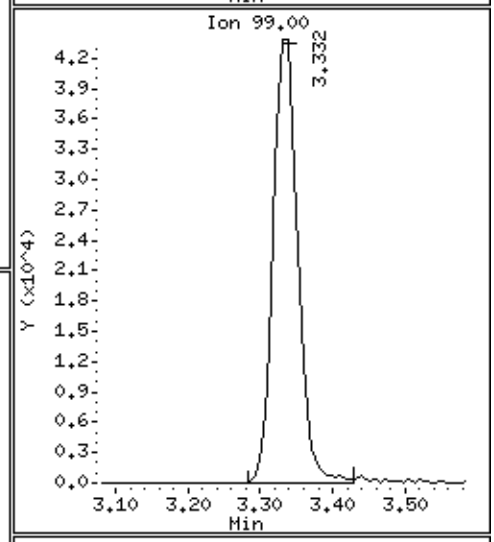


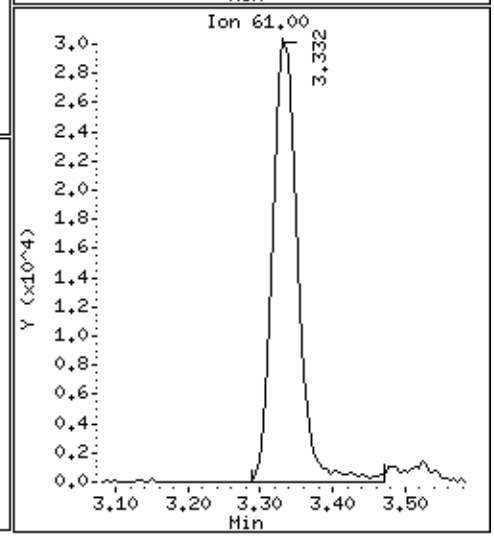












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

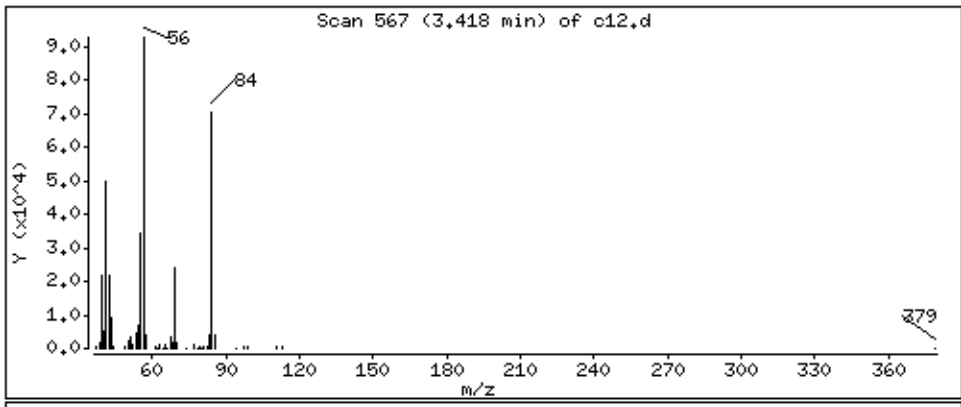
Column phase: DB-624

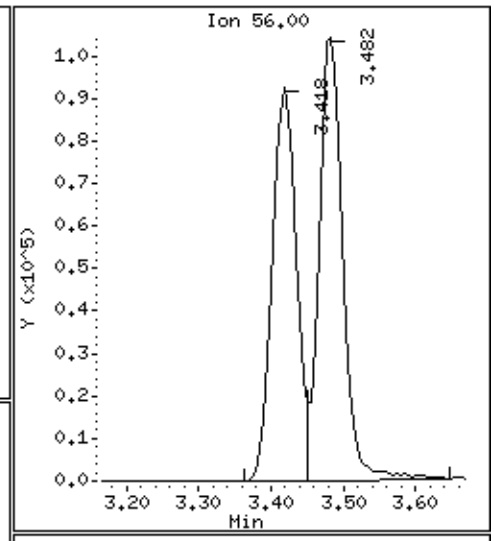
Column diameter: 0.18

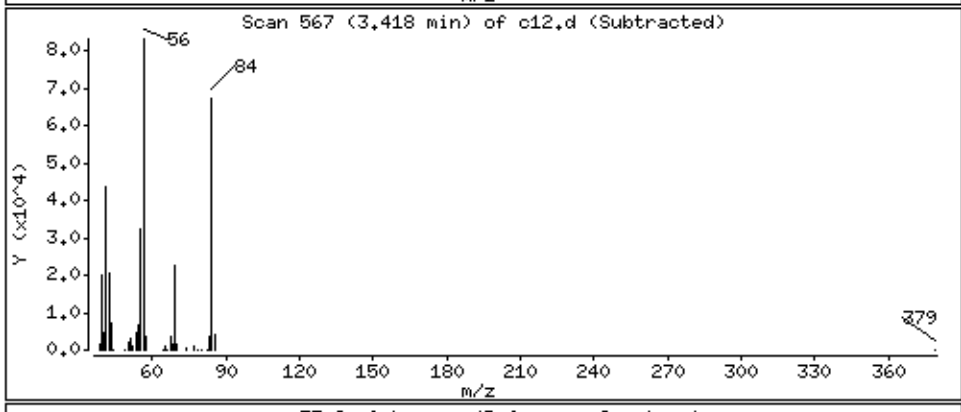
37 Cyclohexane

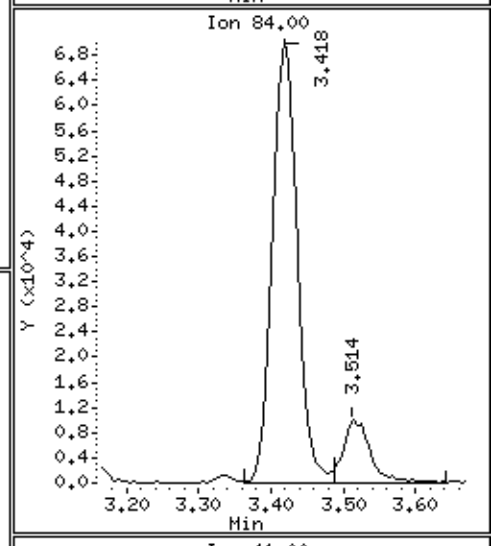
Concentration: 45.3 ppb

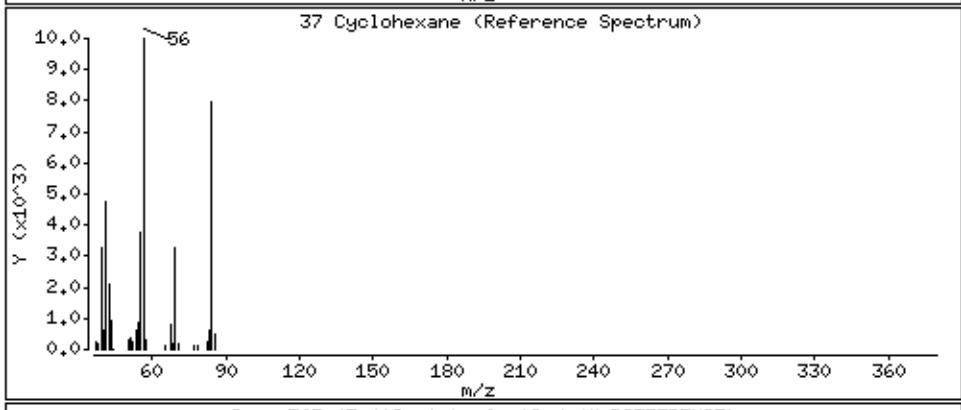
Review Code:

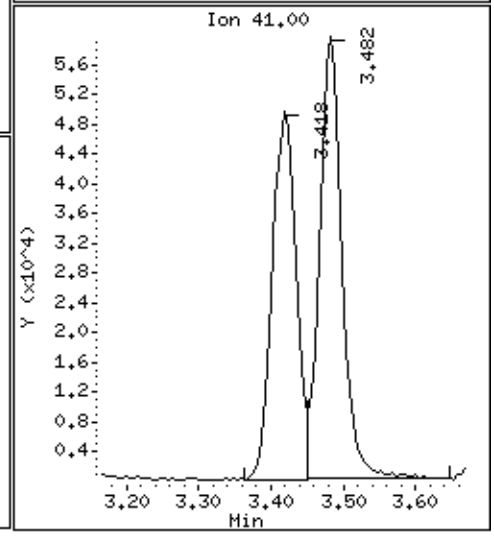


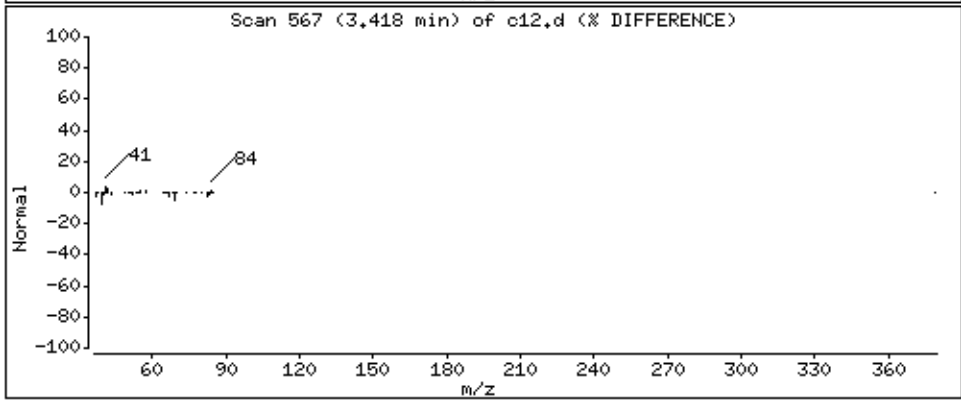












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

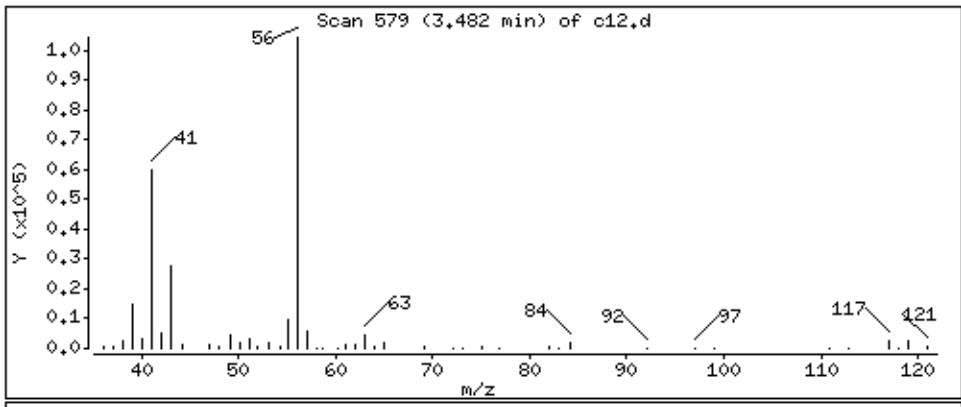
Column phase: DB-624

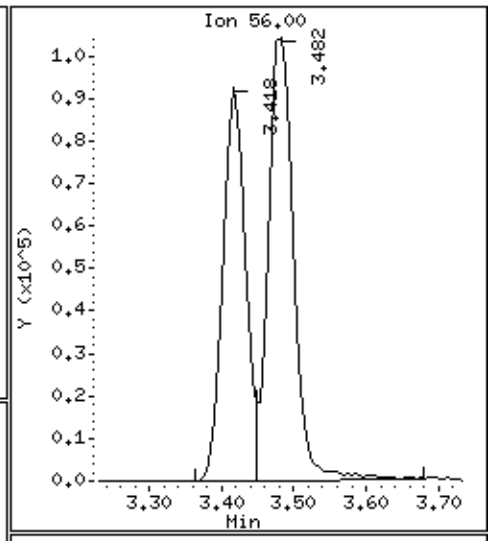
Column diameter: 0.18

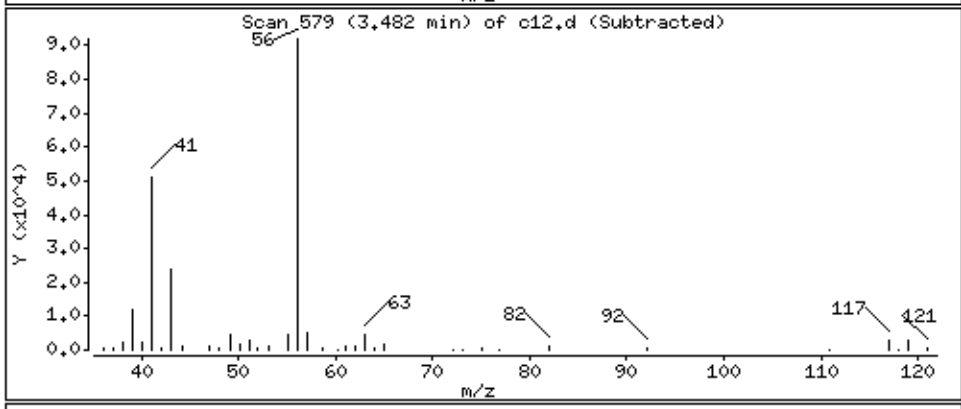
38 n-Butyl chloride

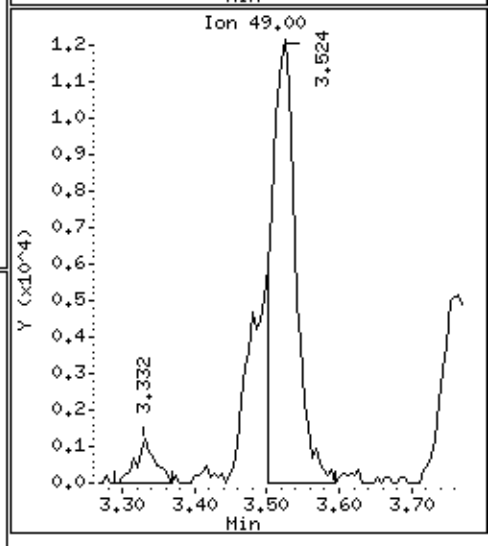
Concentration: 42.9 ppb

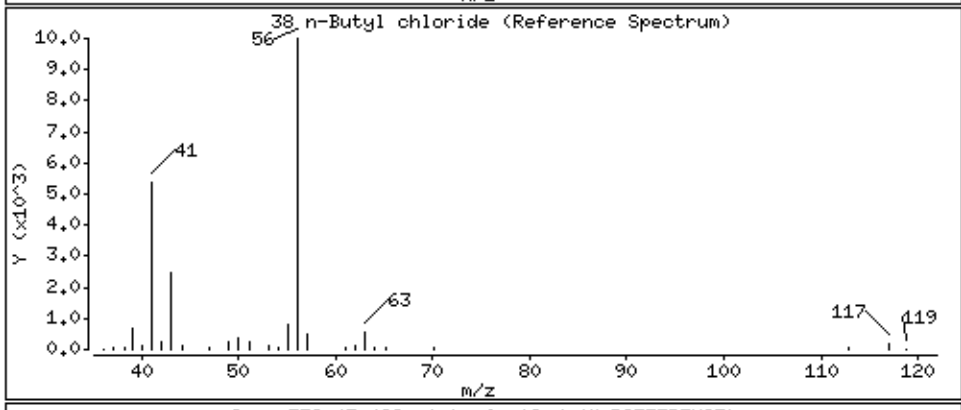
Review Code:

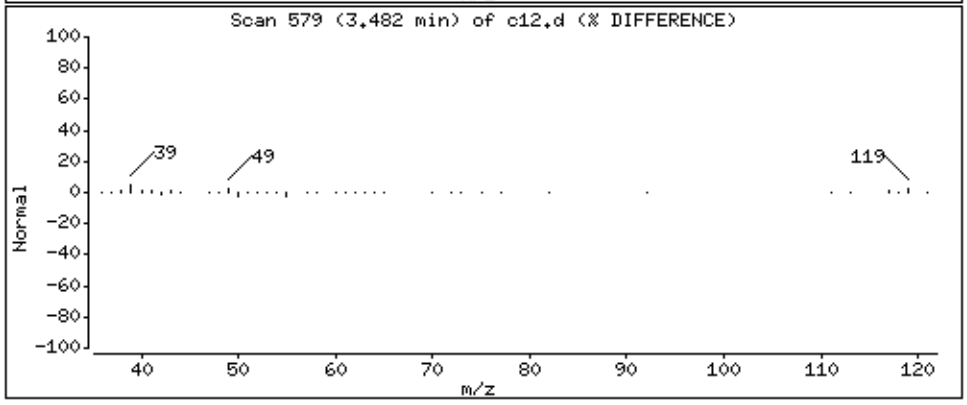












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

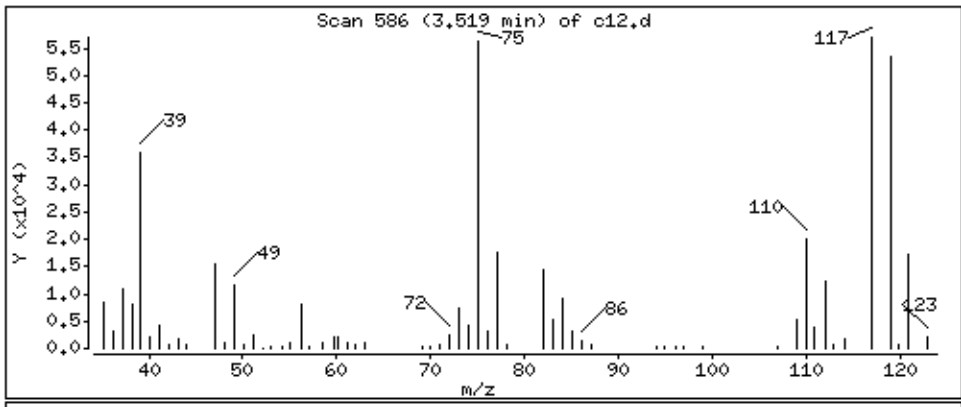
Column phase: DB-624

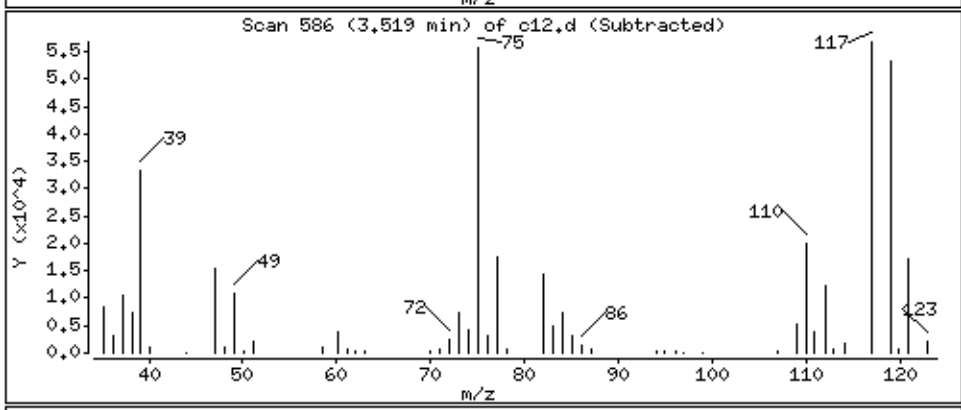
Column diameter: 0.18

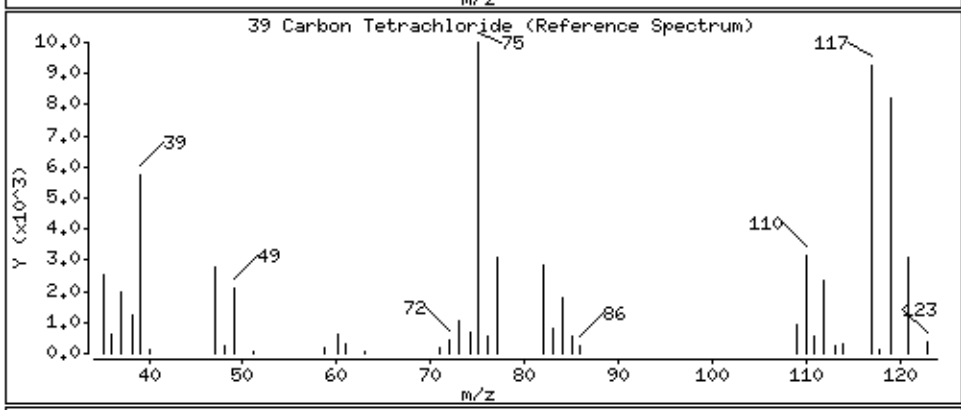
39 Carbon Tetrachloride

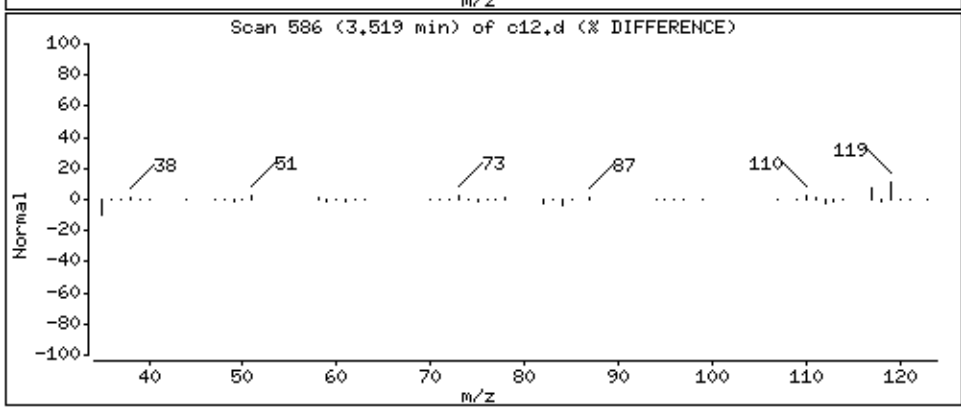
Concentration: 41.2 ppb

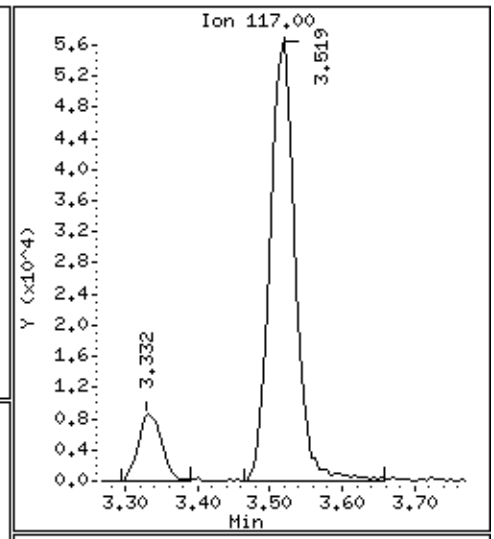
Review Code:

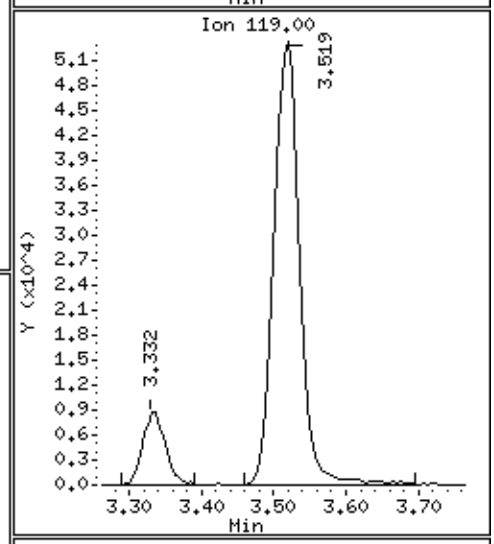


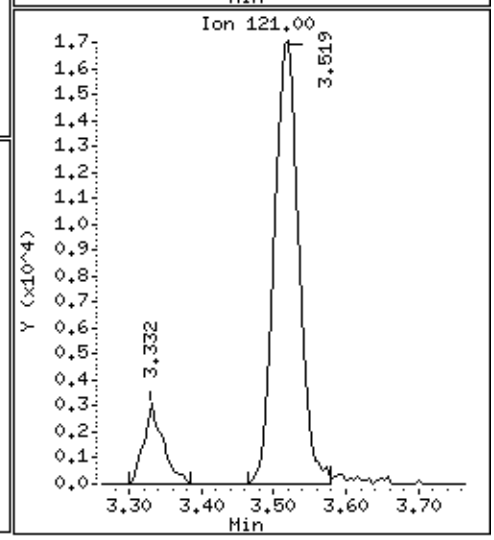












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

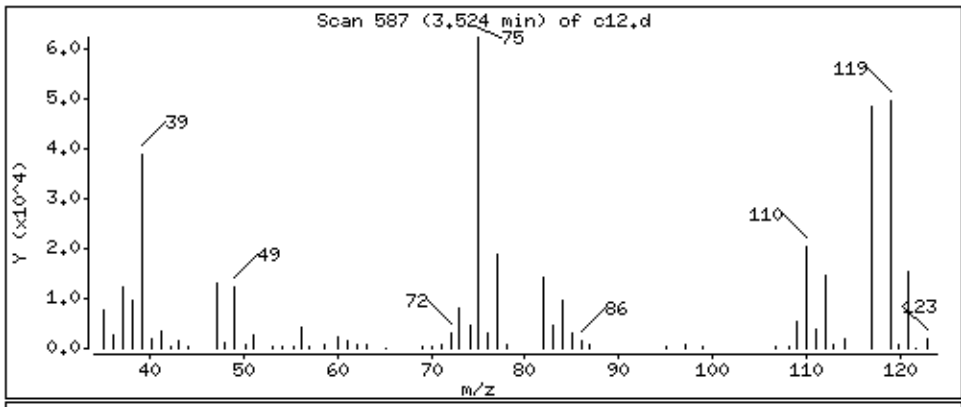
Column phase: DB-624

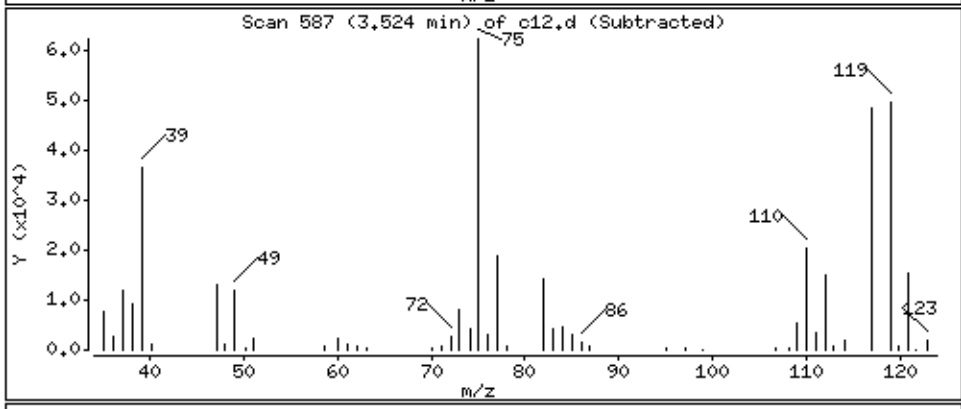
Column diameter: 0.18

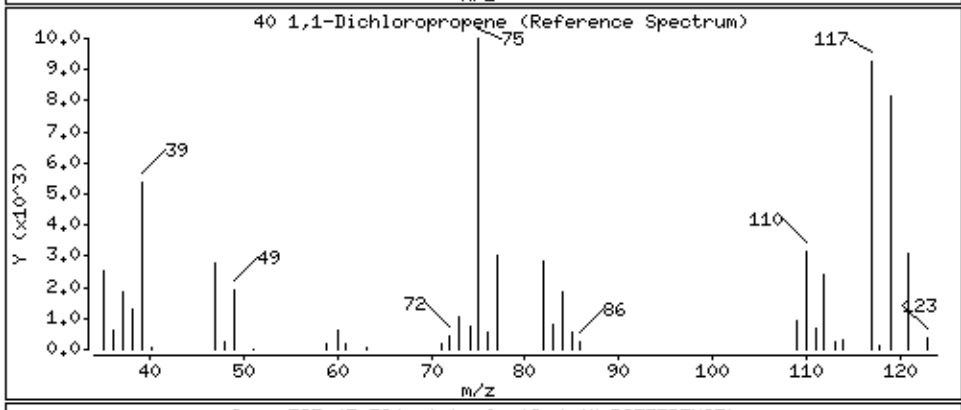
40 1,1-Dichloropropene

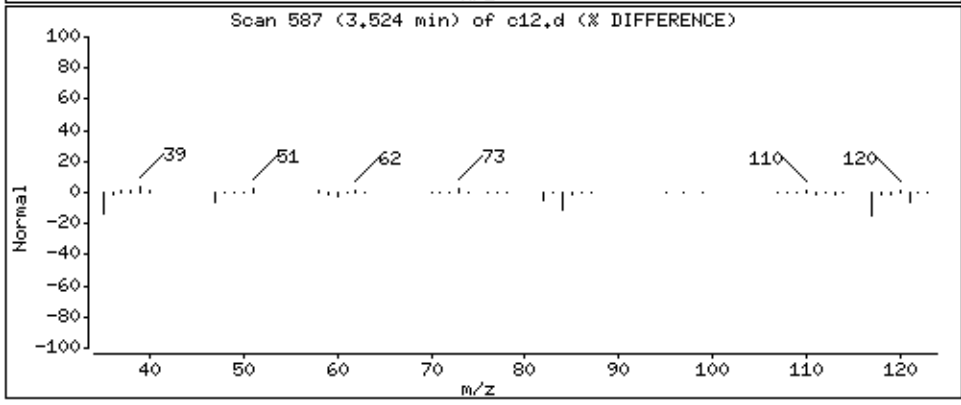
Concentration: 40.4 ppb

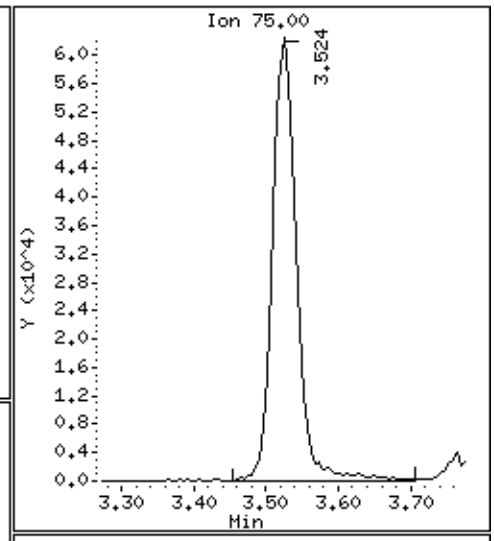
Review Code:

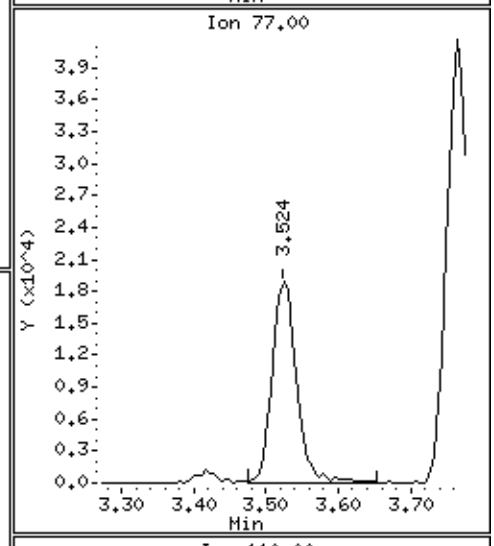


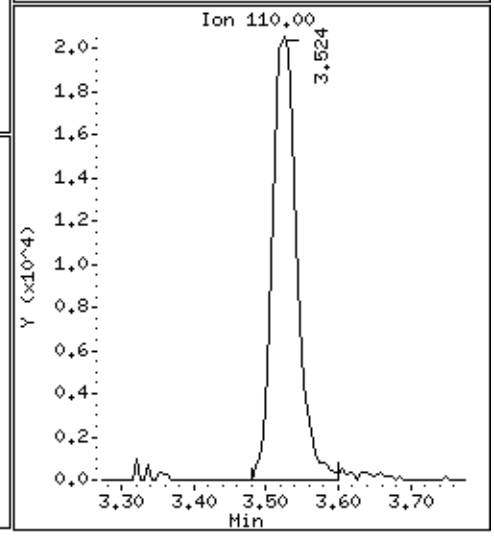












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

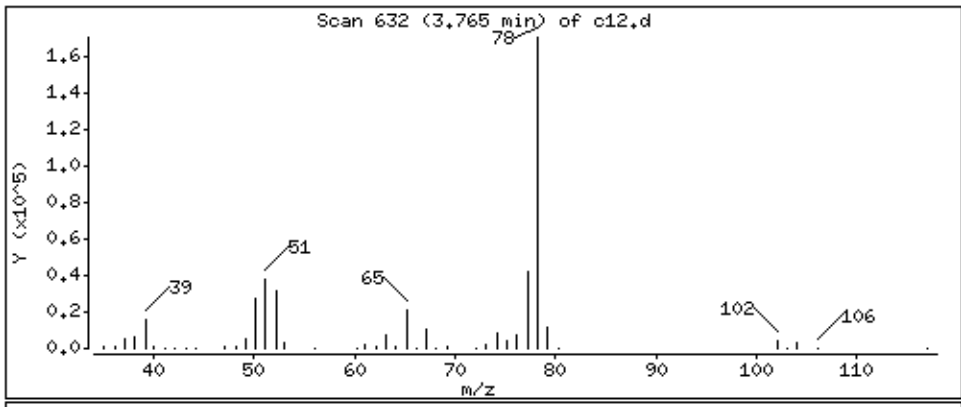
Column phase: DB-624

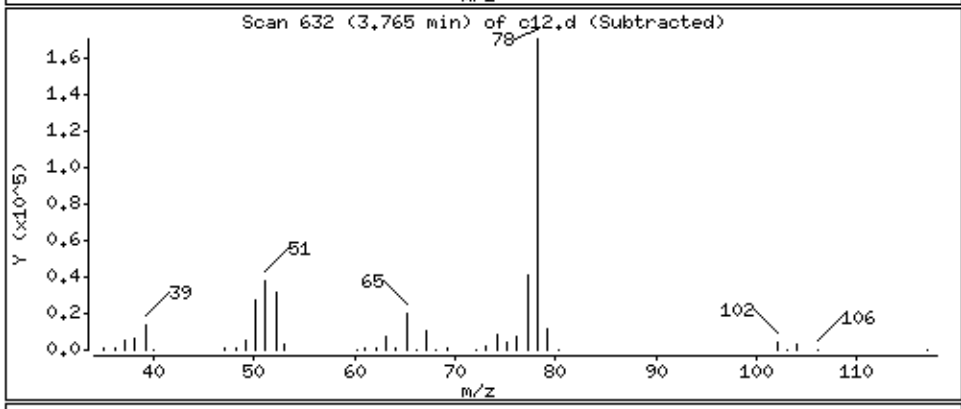
Column diameter: 0.18

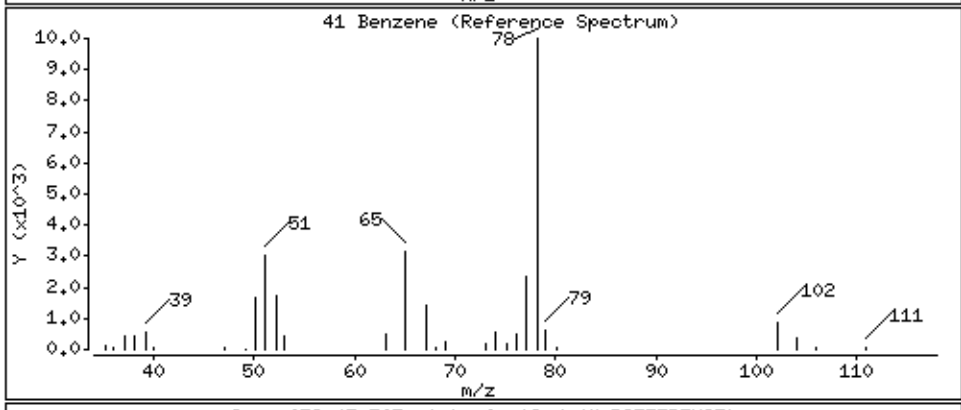
41 Benzene

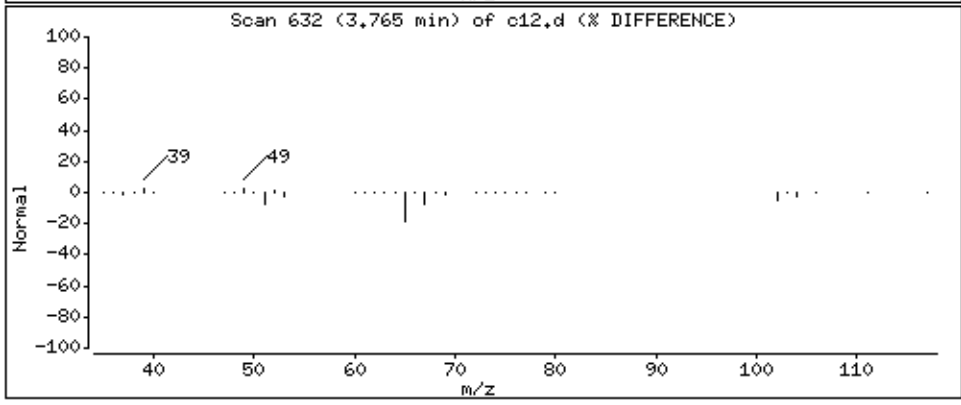
Concentration: 42.9 ppb

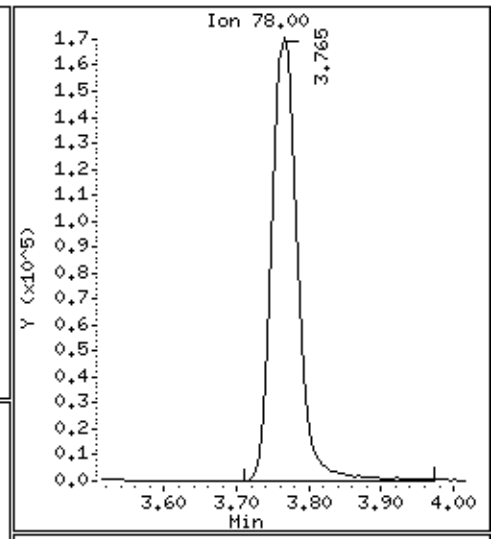
Review Code:

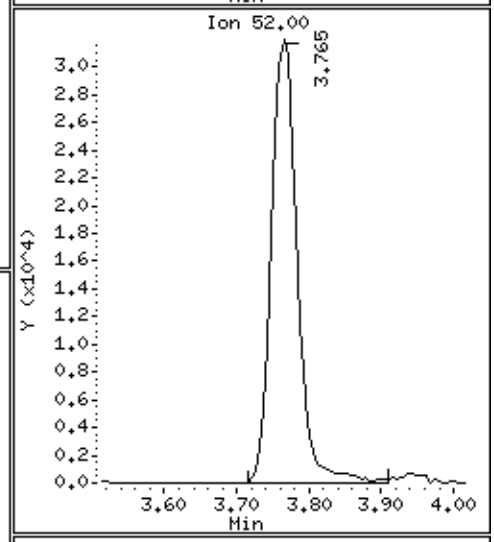


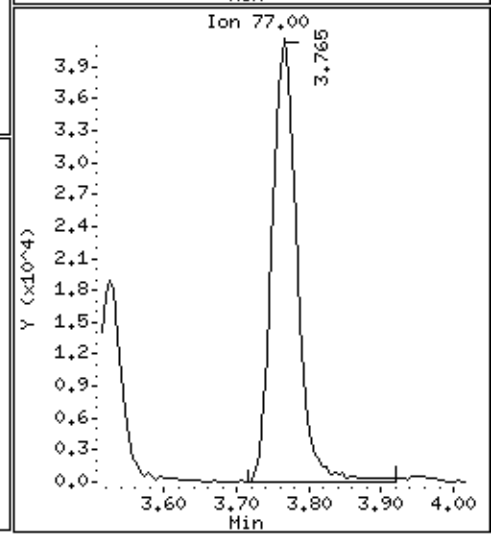












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

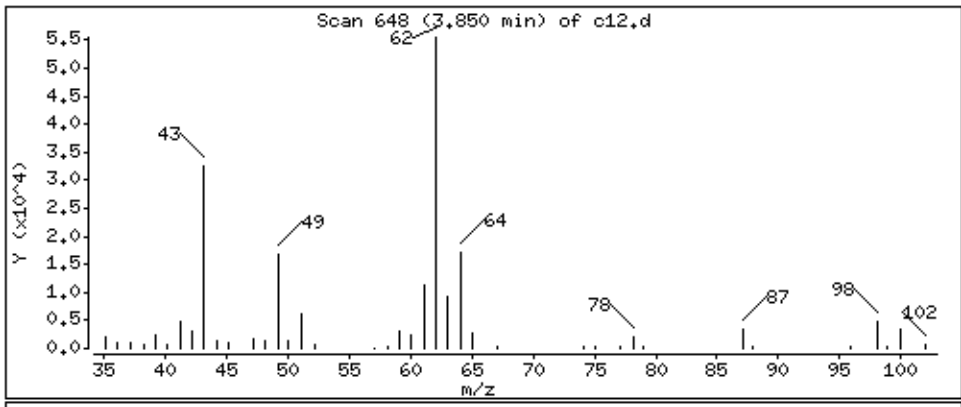
Column phase: DB-624

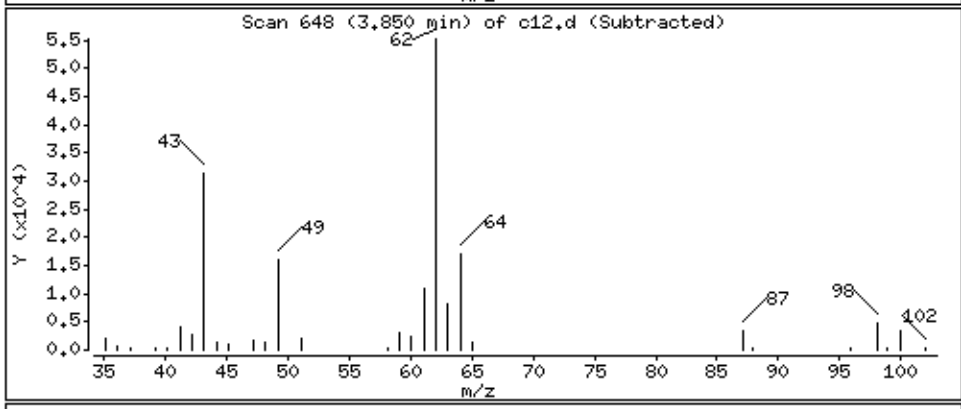
Column diameter: 0.18

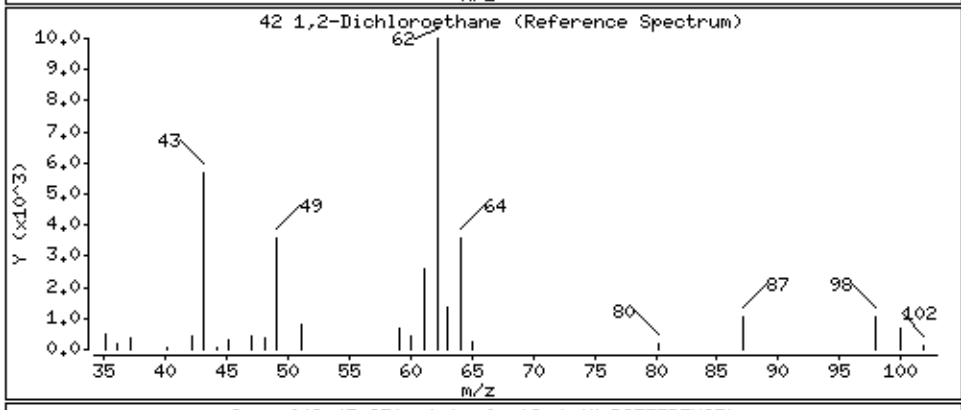
42 1,2-Dichloroethane

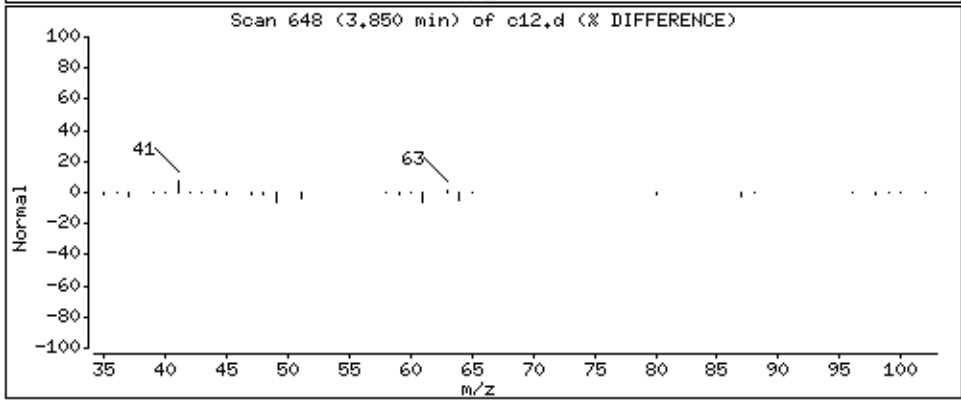
Concentration: 43.4 ppb

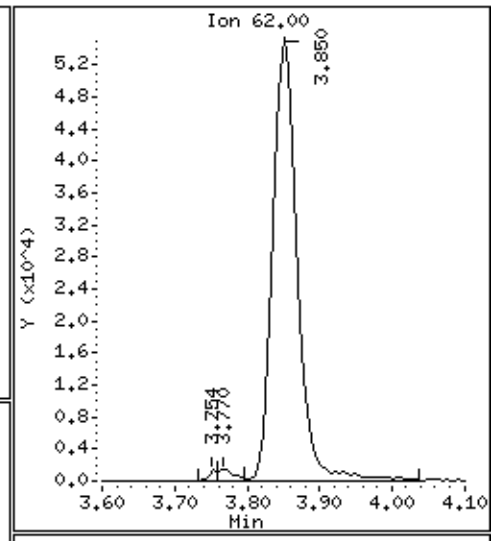
Review Code:

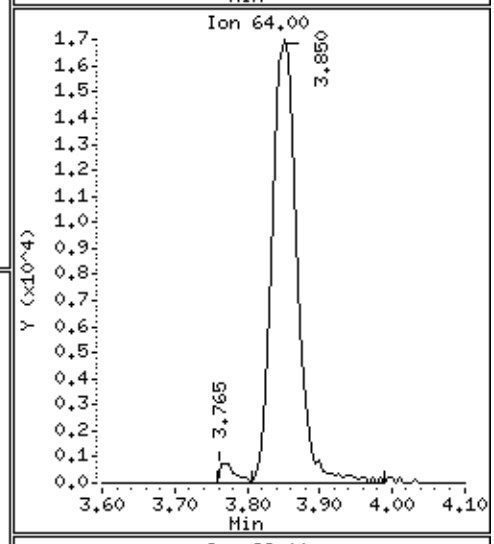


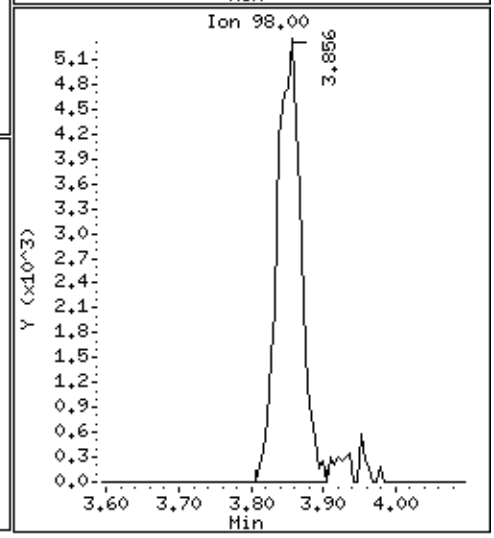












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

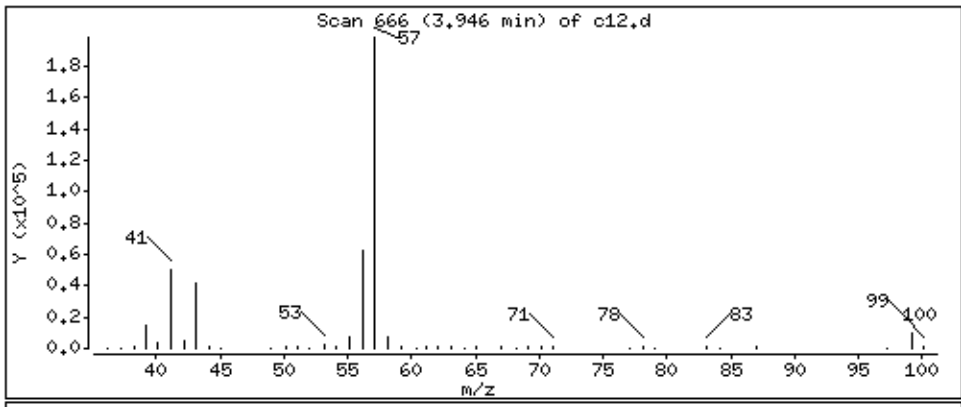
Column phase: DB-624

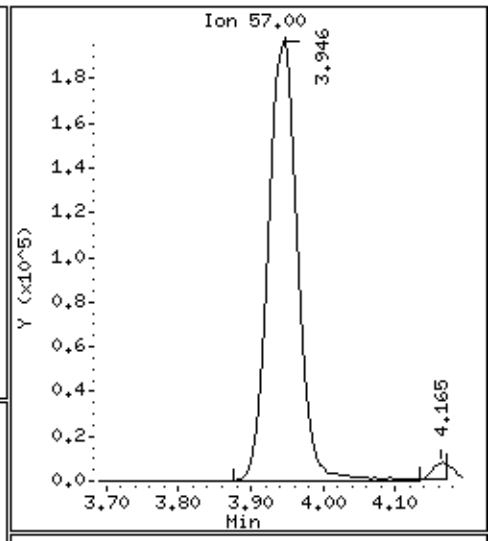
Column diameter: 0.18

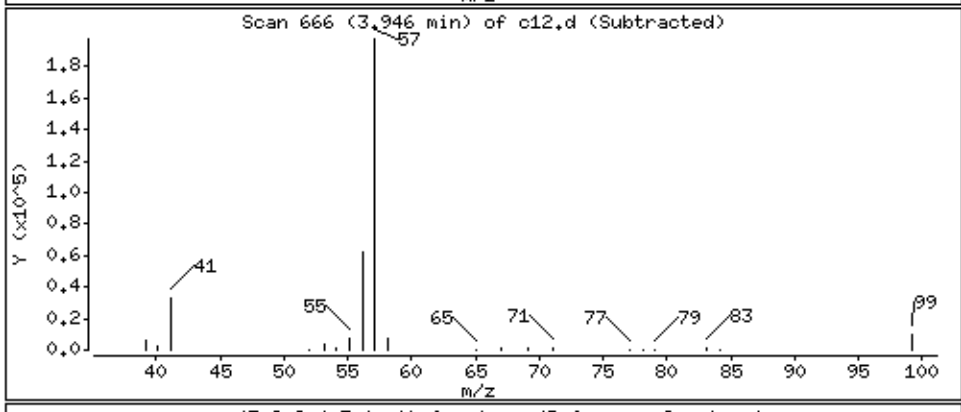
43 2,2,4-Trimethylpentane

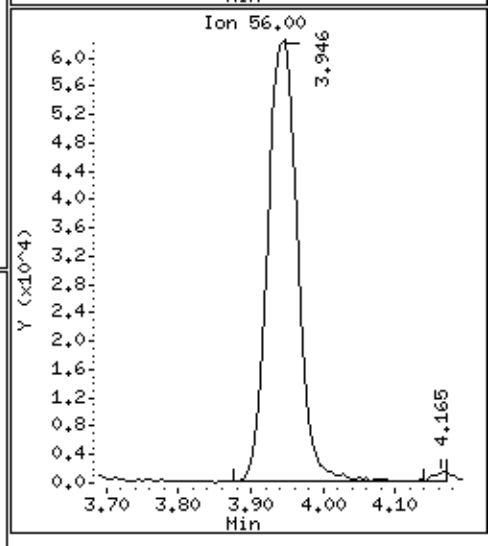
Concentration: 46.3 ppb

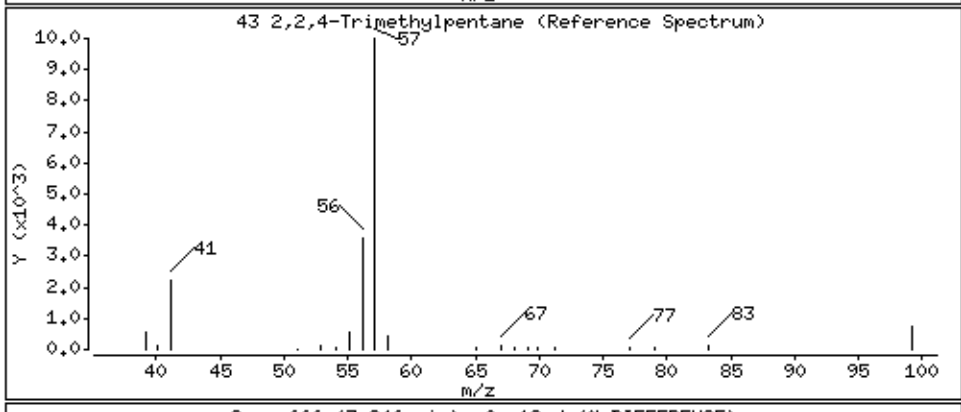
Review Code:

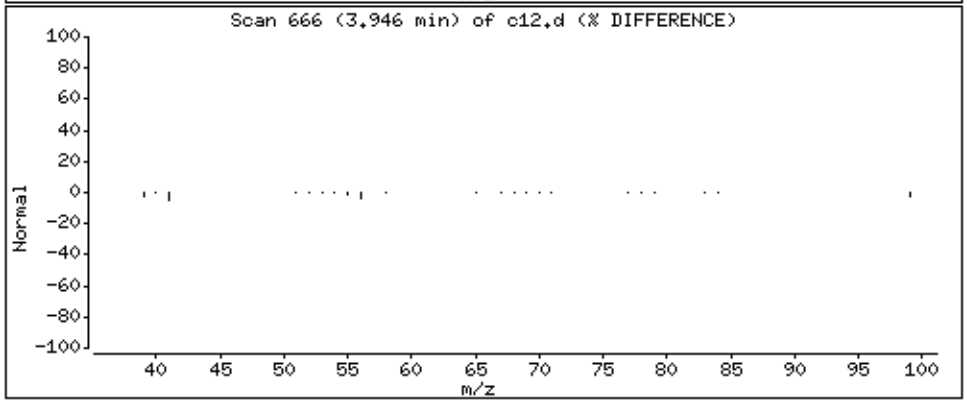












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

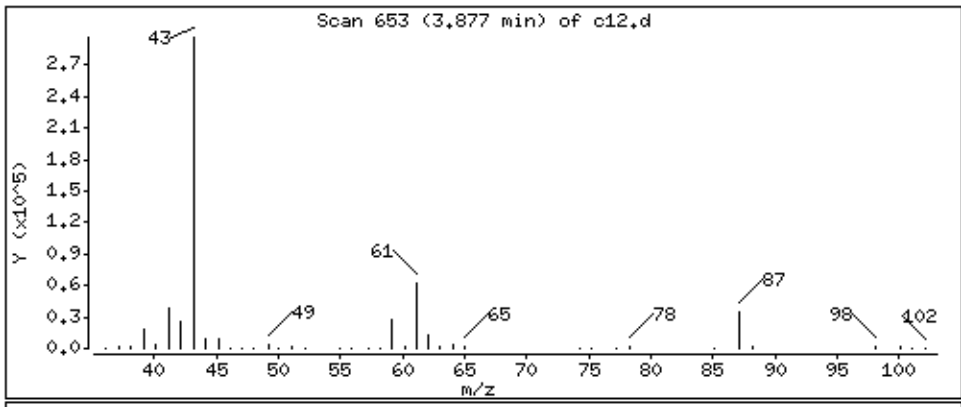
Column phase: DB-624

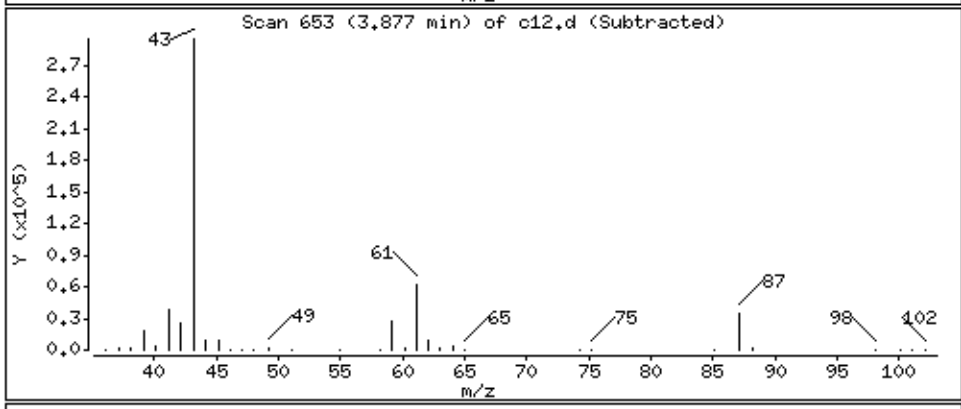
Column diameter: 0.18

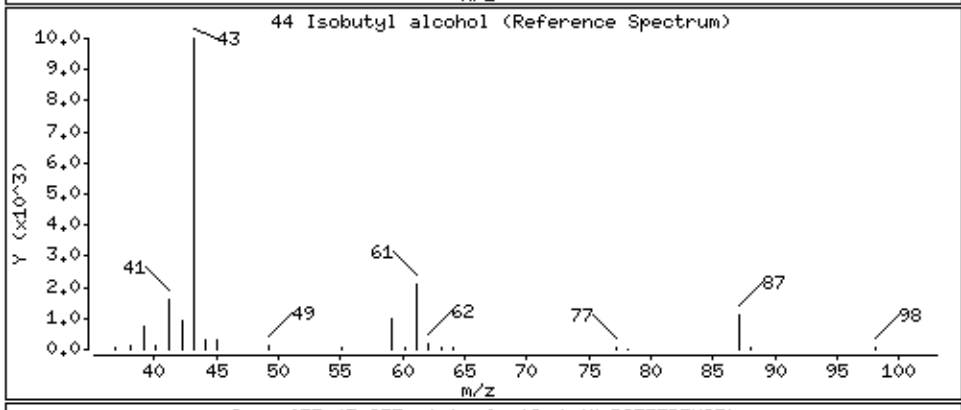
44 Isobutyl alcohol

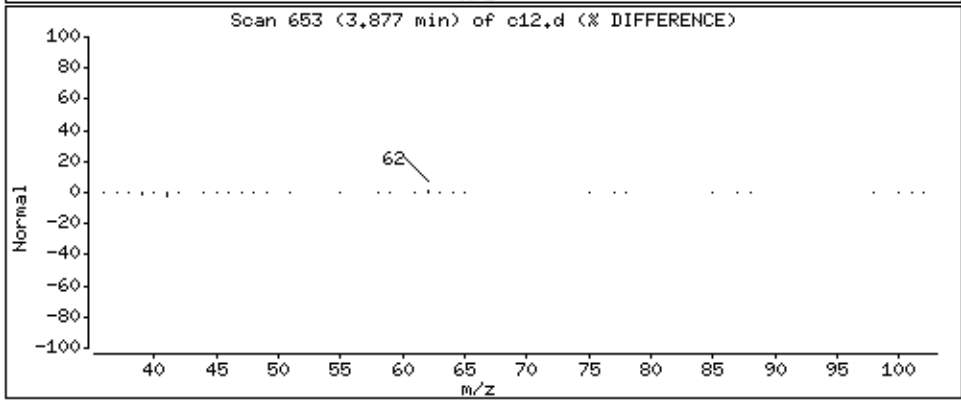
Concentration: 52.0 ppb

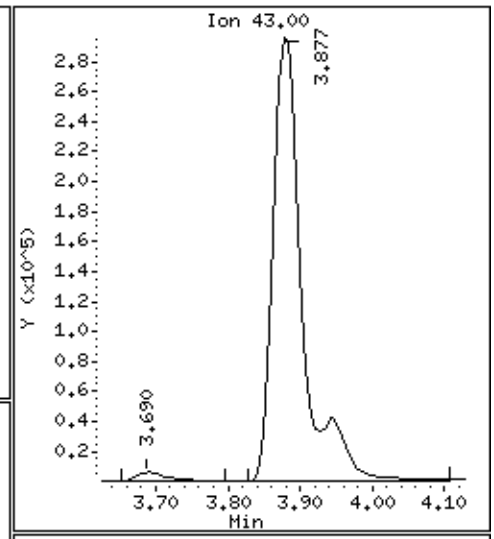
Review Code:

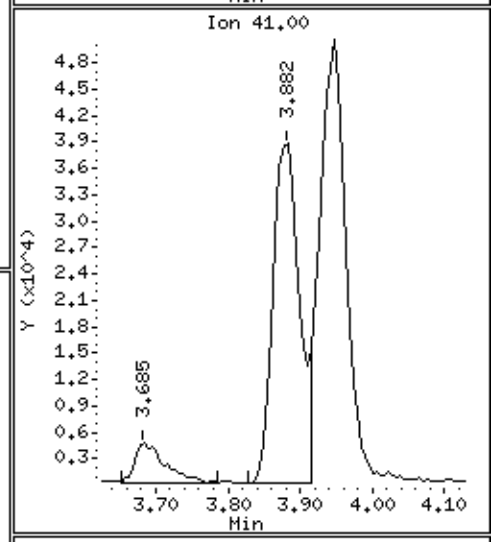


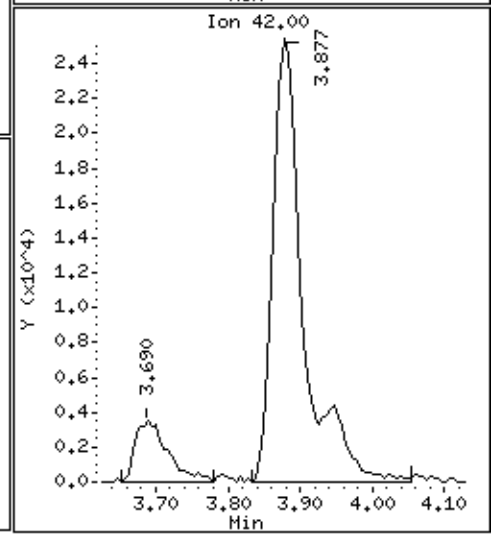












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

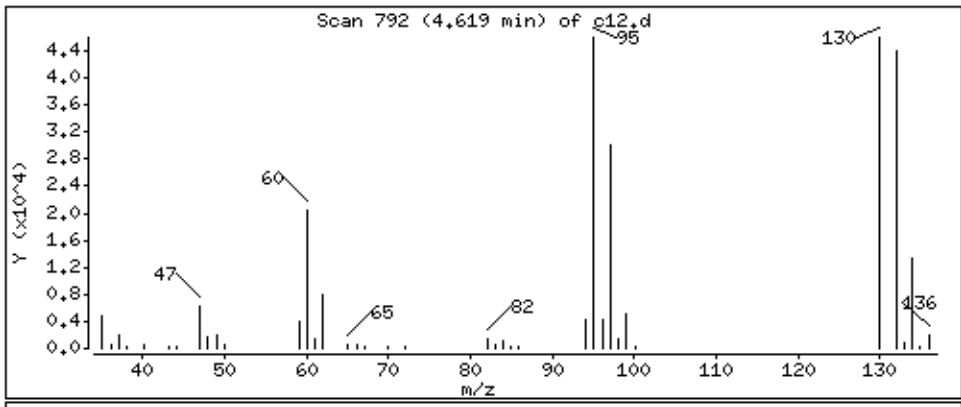
Column phase: DB-624

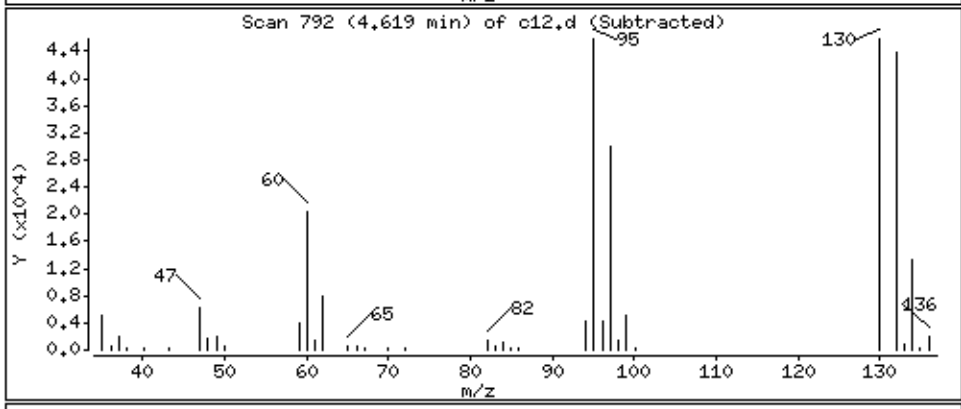
Column diameter: 0.18

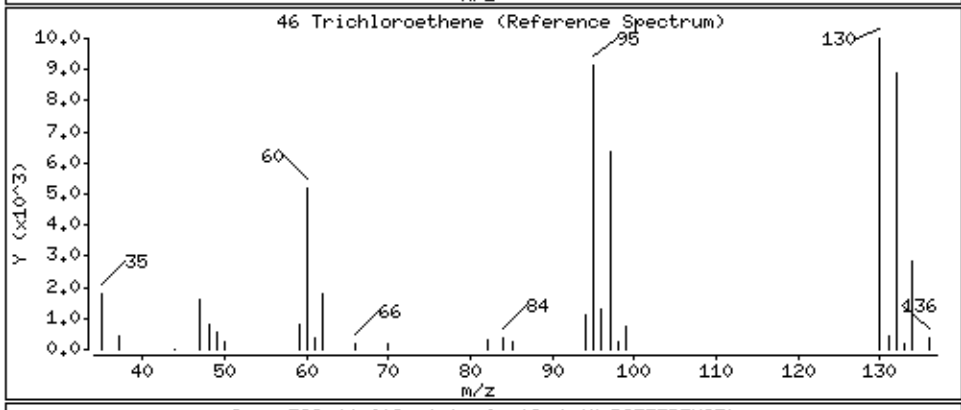
46 Trichloroethene

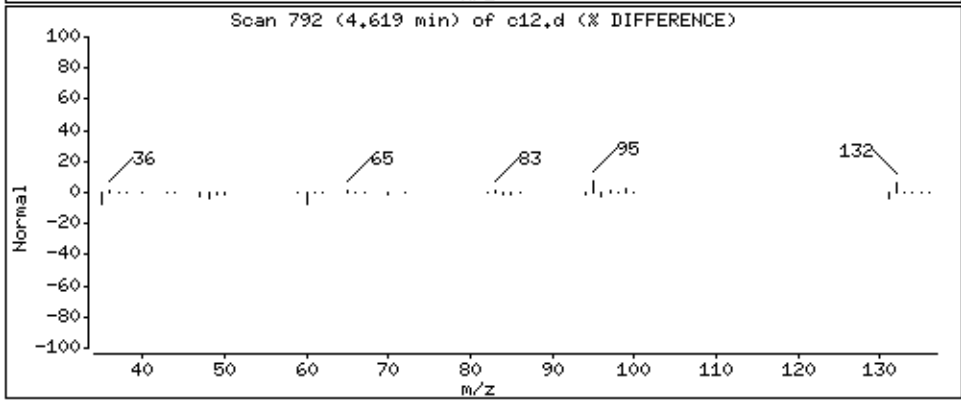
Concentration: 36.2 ppb

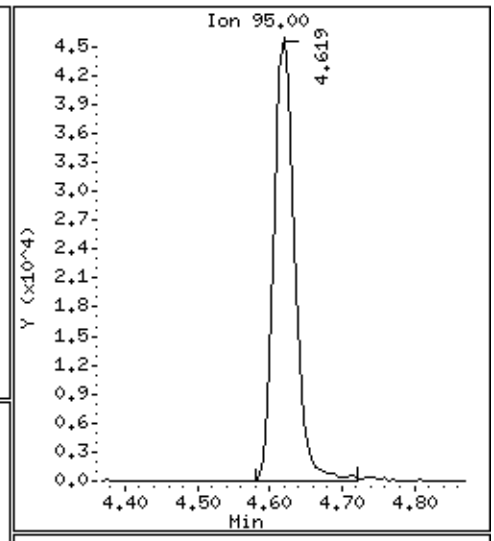
Review Code:

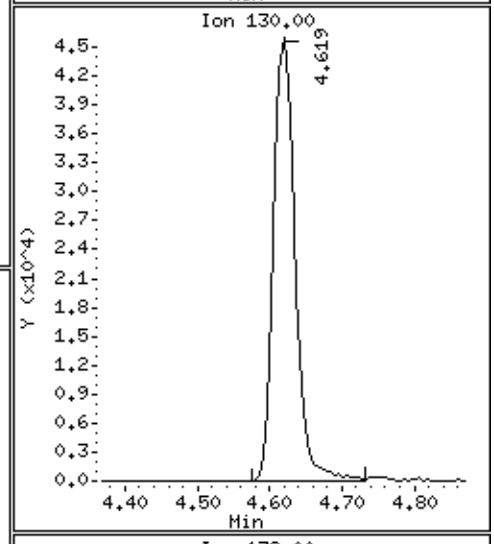


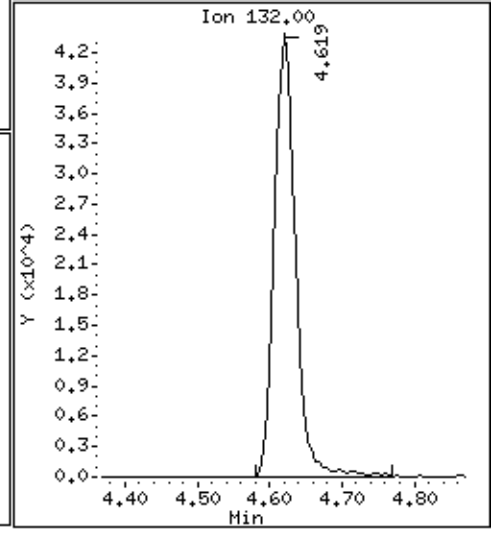












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

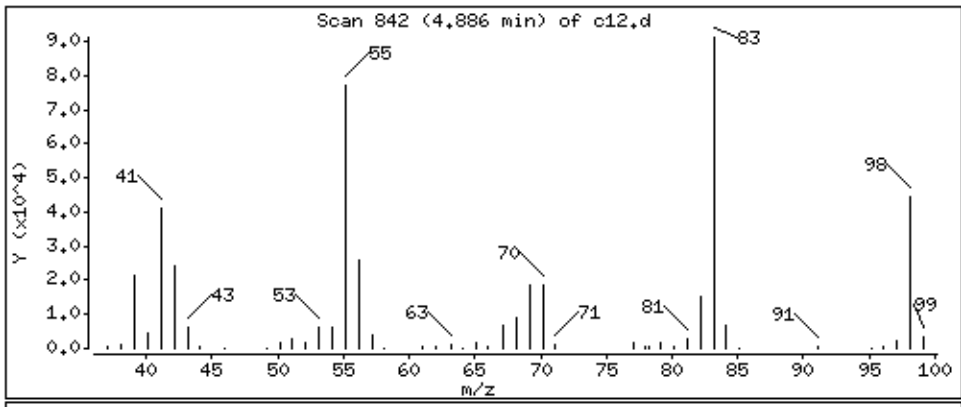
Column phase: DB-624

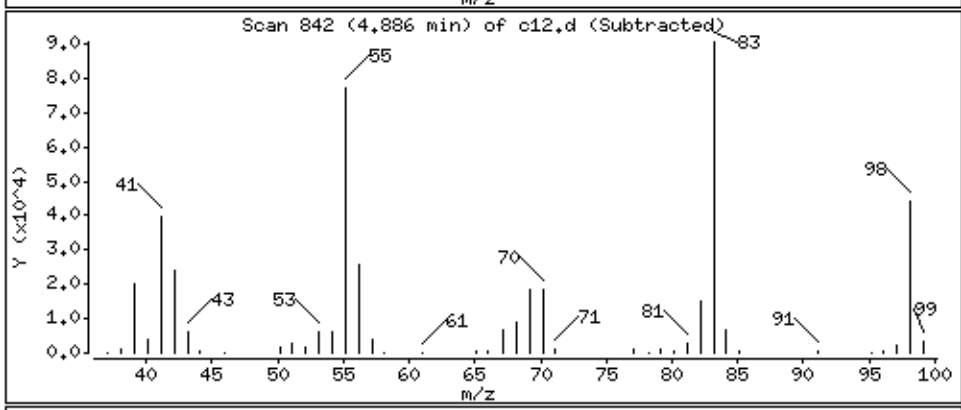
Column diameter: 0.18

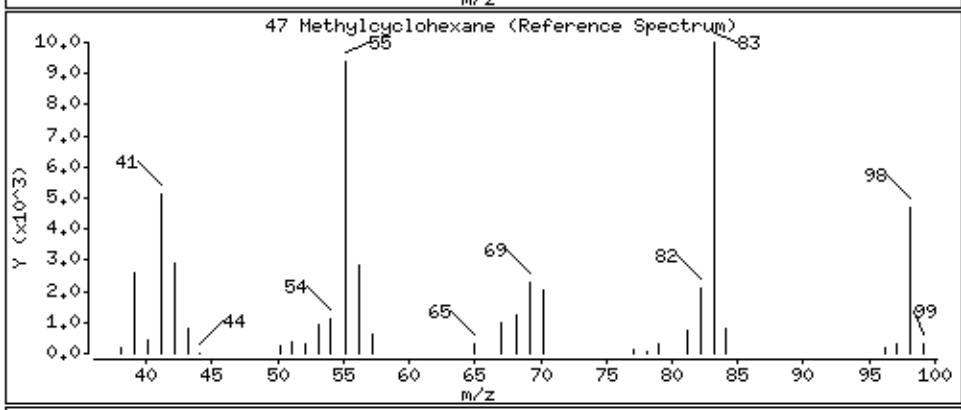
47 Methylcyclohexane

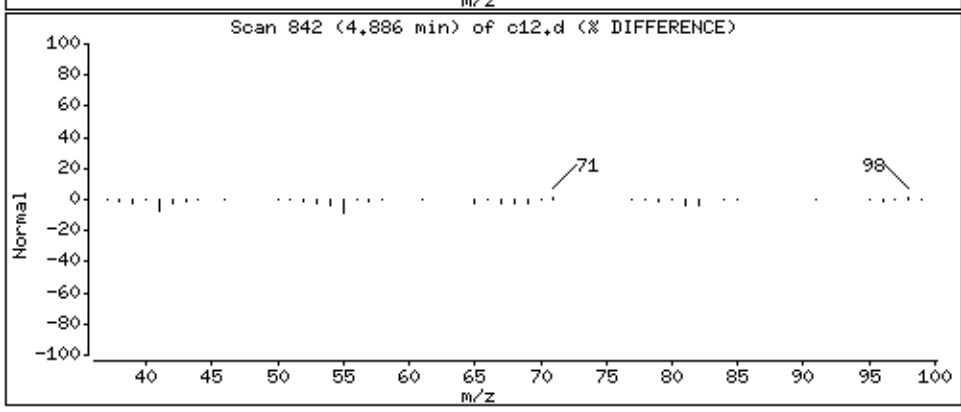
Concentration: 43.2 ppb

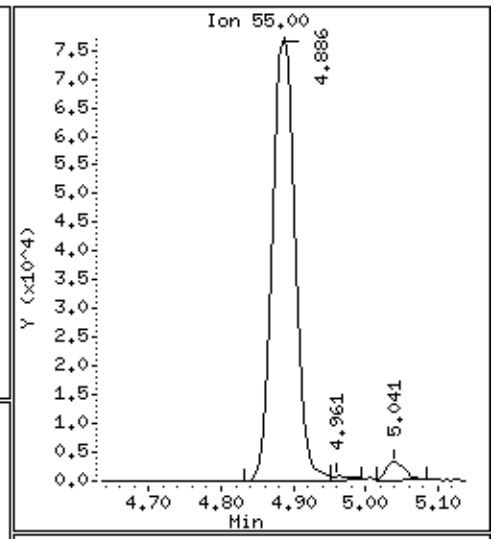
Review Code:

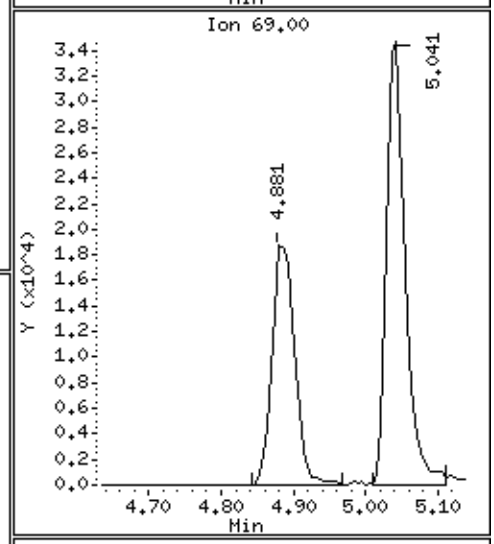


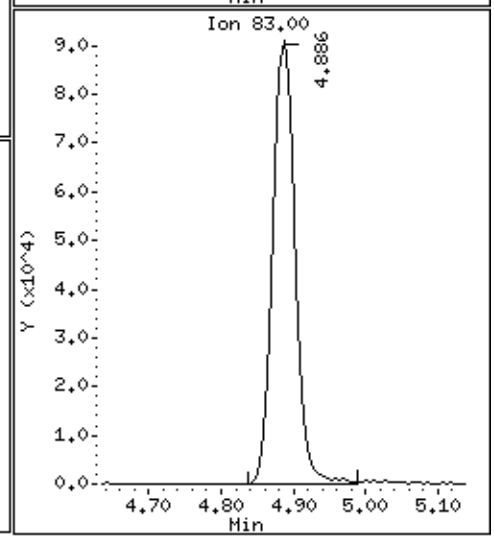












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

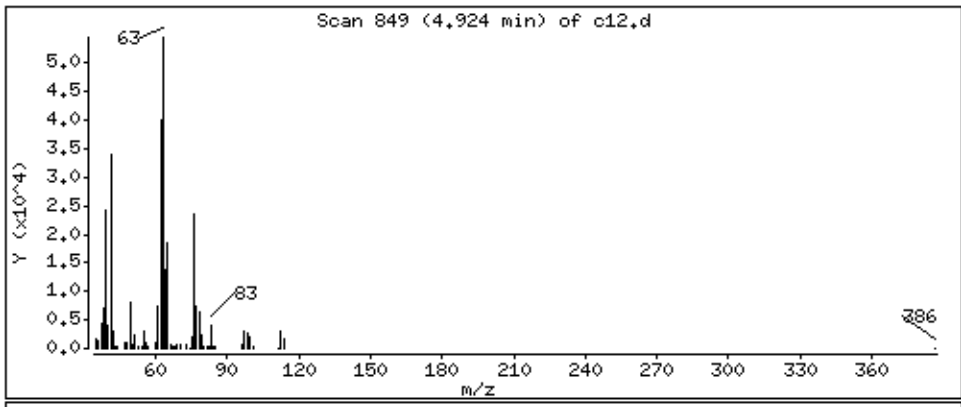
Column phase: DB-624

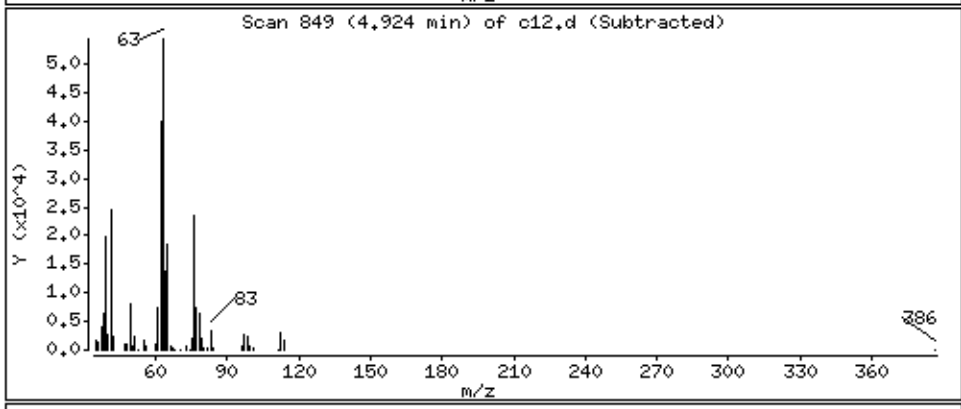
Column diameter: 0.18

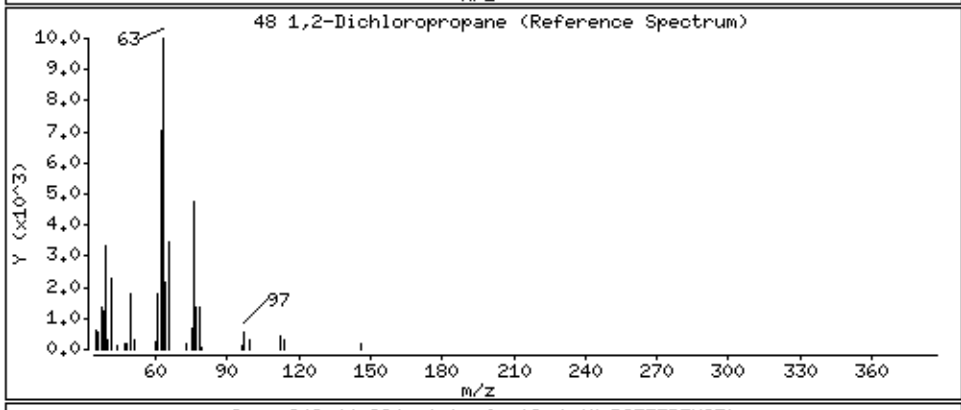
48 1,2-Dichloropropane

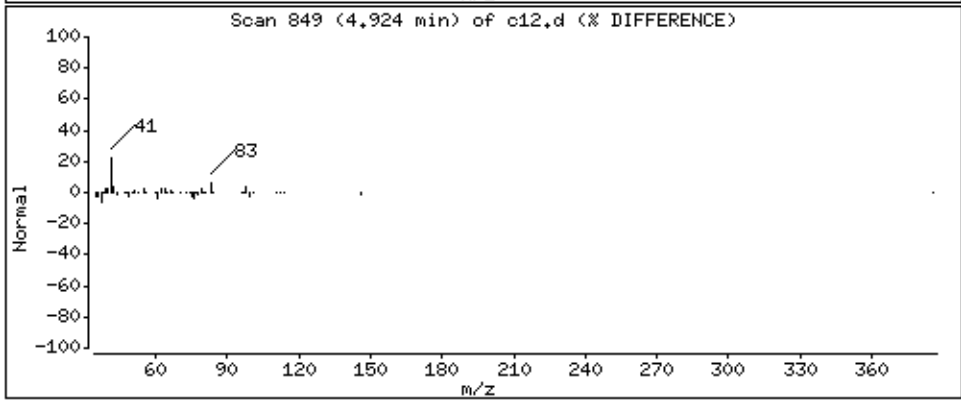
Concentration: 49.7 ppb

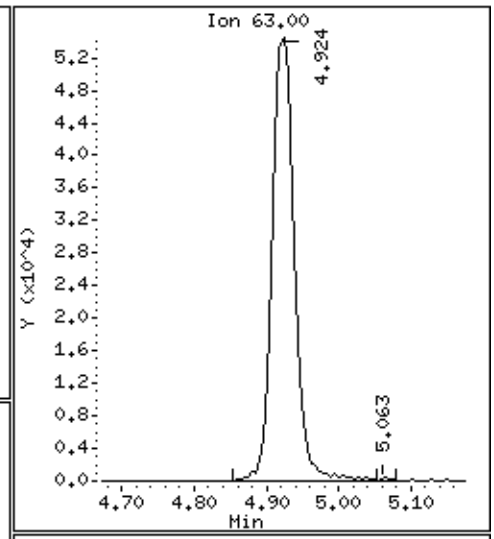
Review Code:

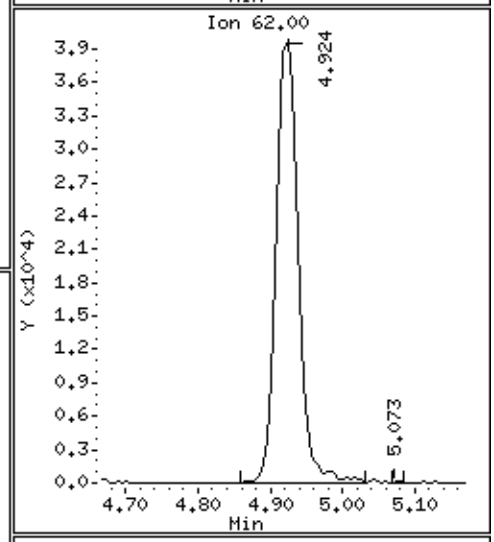


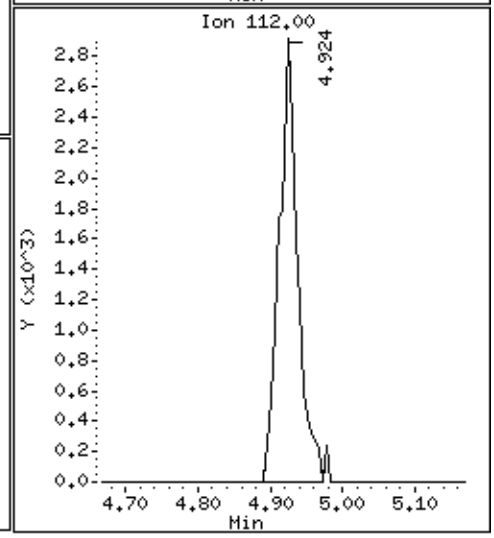












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

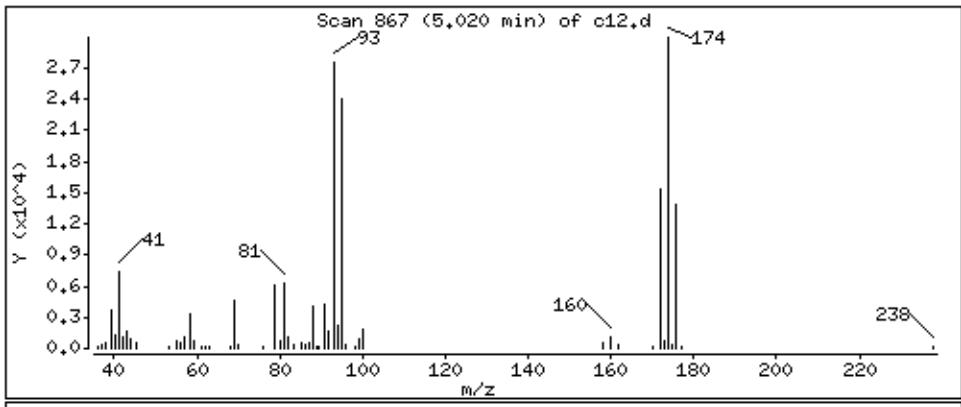
Column phase: DB-624

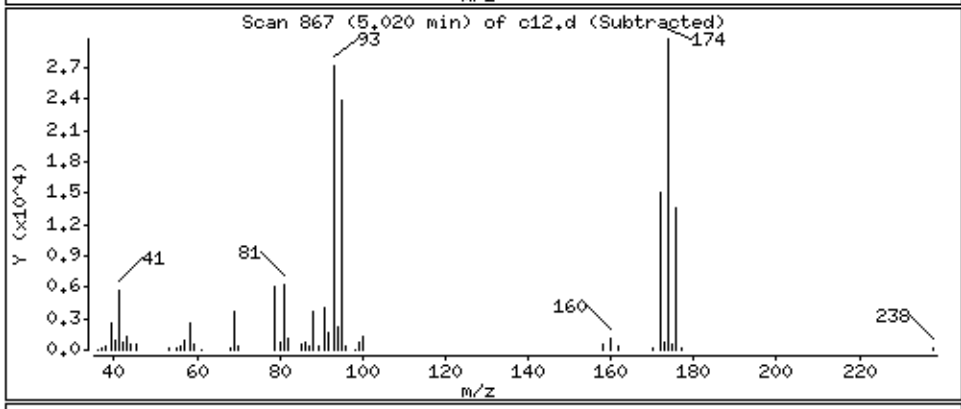
Column diameter: 0.18

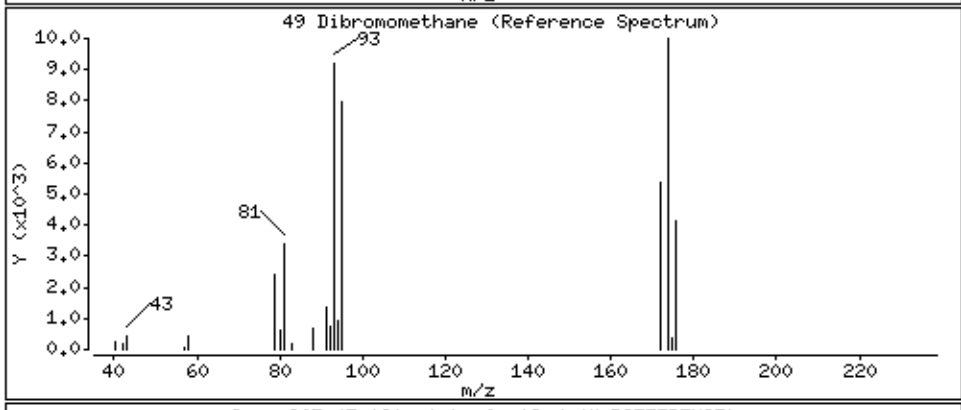
49 Dibromomethane

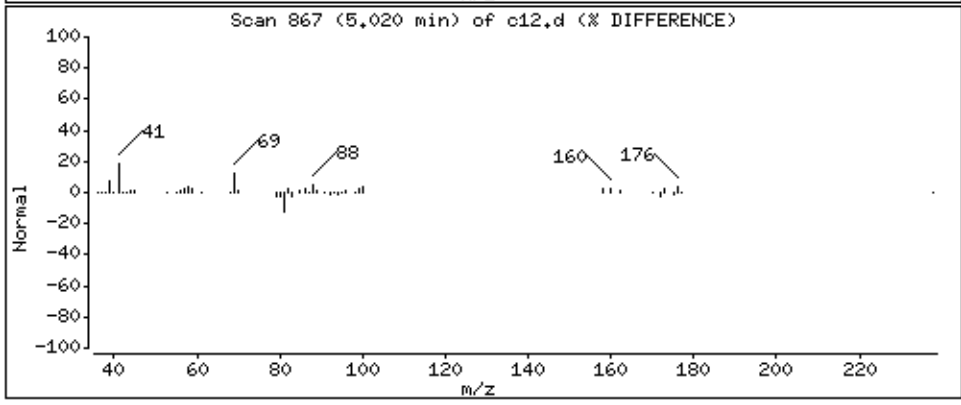
Concentration: 49.2 ppb

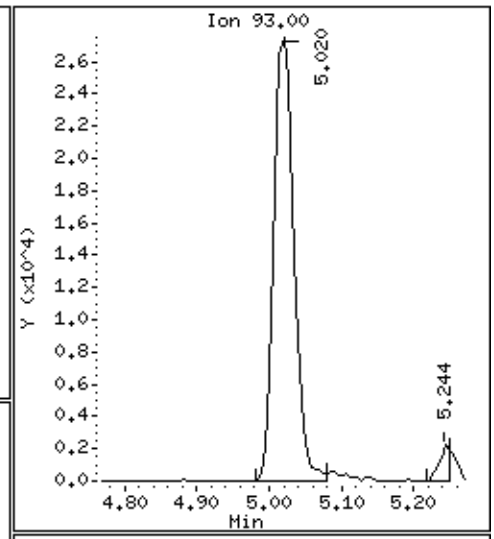
Review Code:

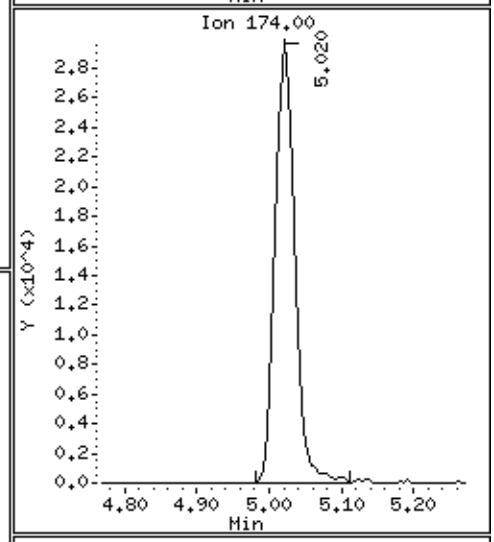


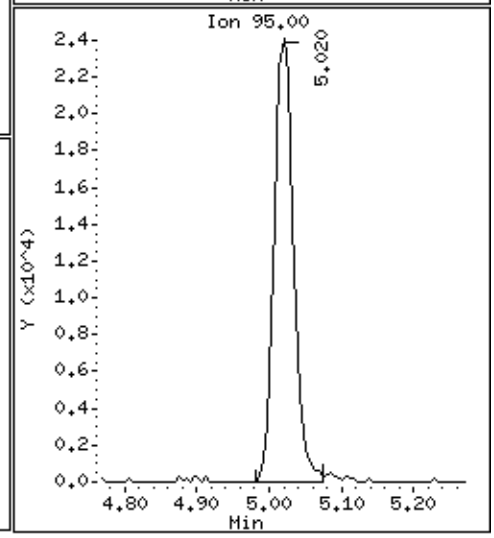












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

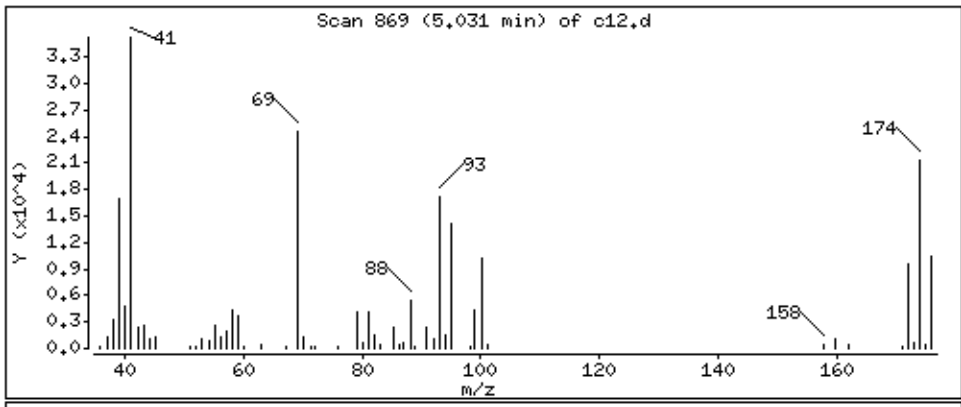
Column phase: DB-624

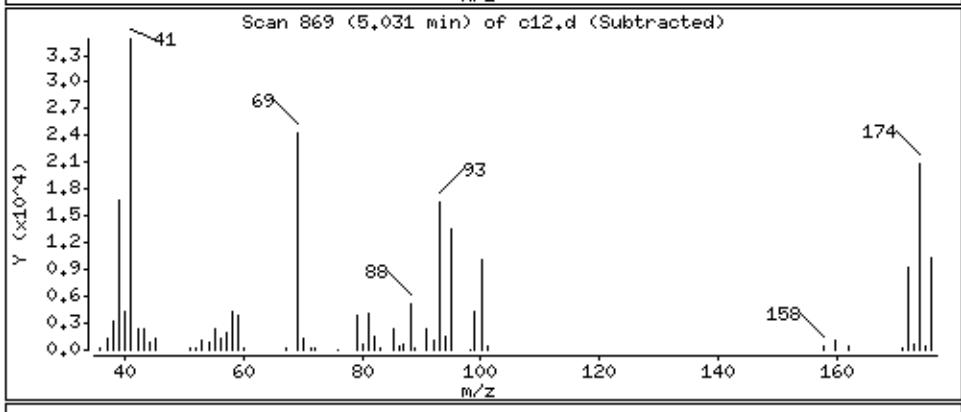
Column diameter: 0.18

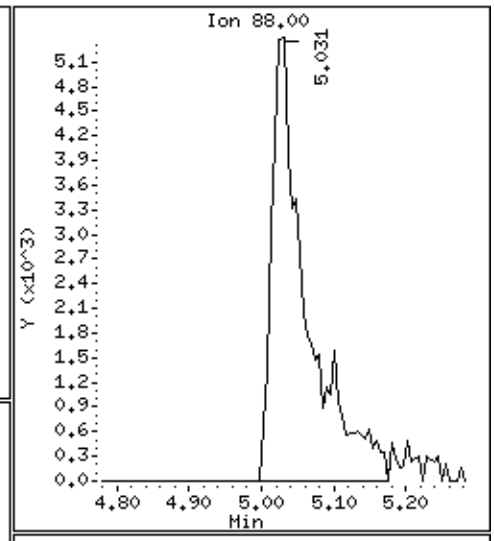
50 1,4-Dioxane

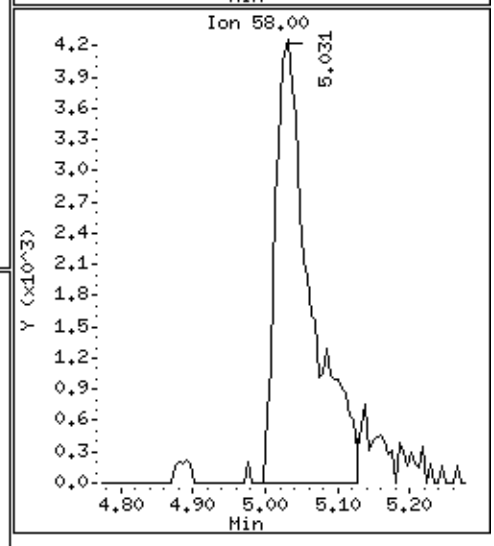
Concentration: 1250 ppb

Review Code:









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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

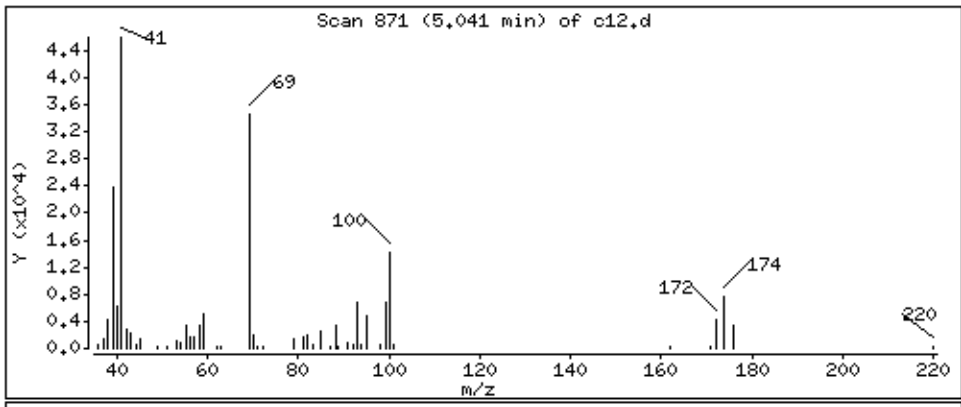
Column phase: DB-624

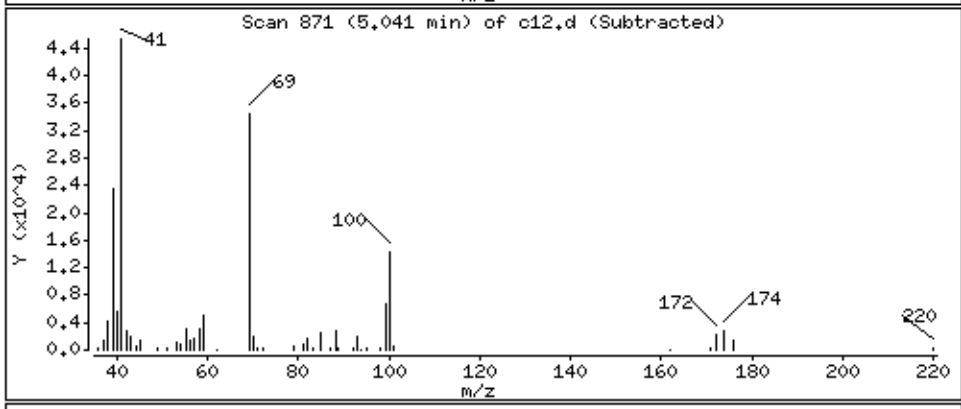
Column diameter: 0.18

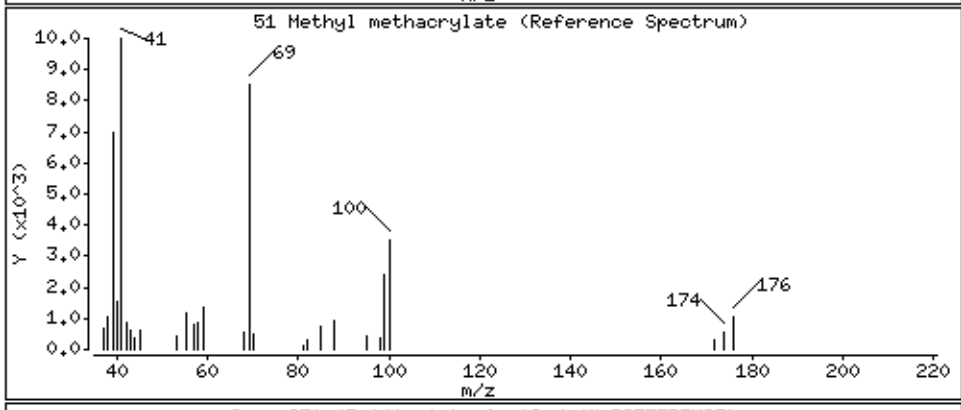
51 Methyl methacrylate

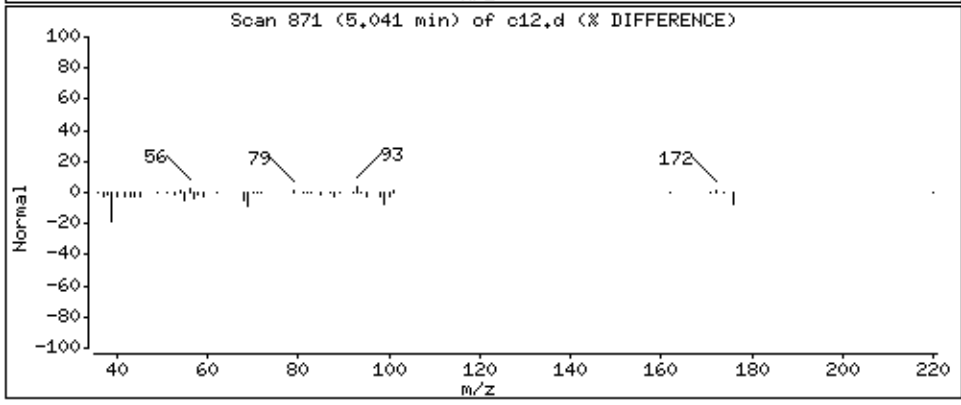
Concentration: 64.9 ppb

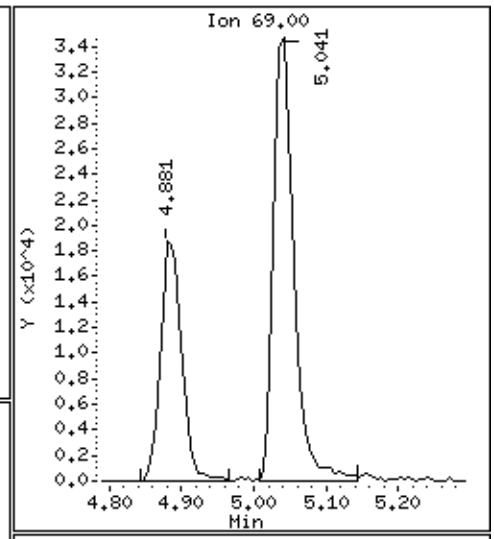
Review Code:

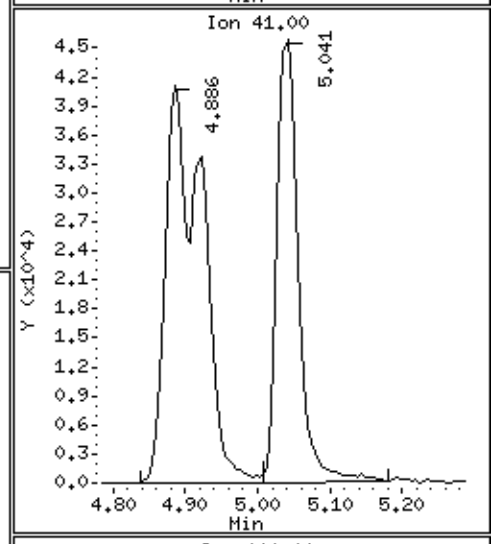


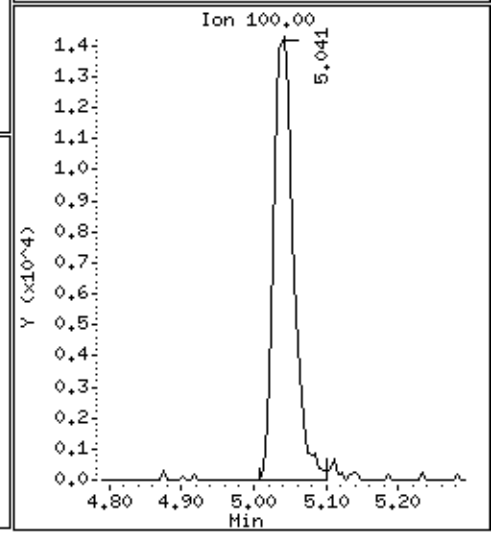












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

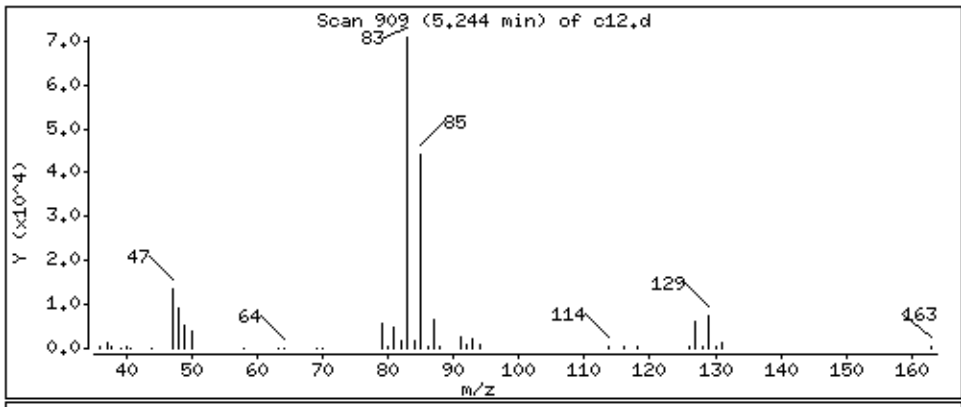
Column phase: DB-624

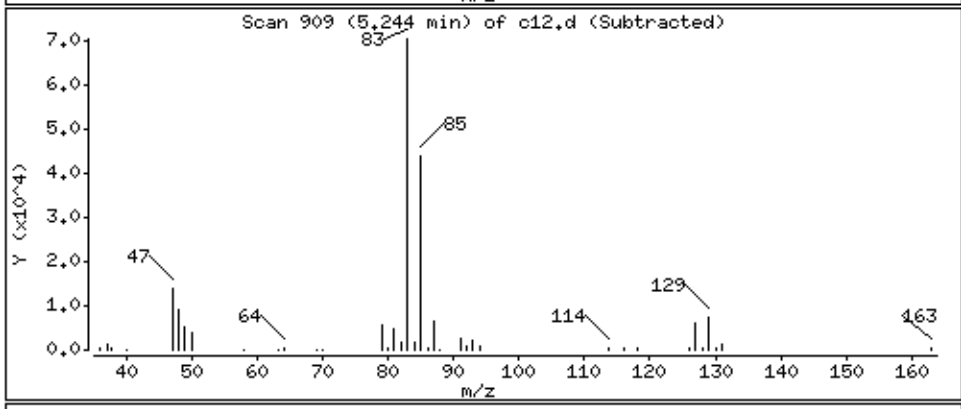
Column diameter: 0.18

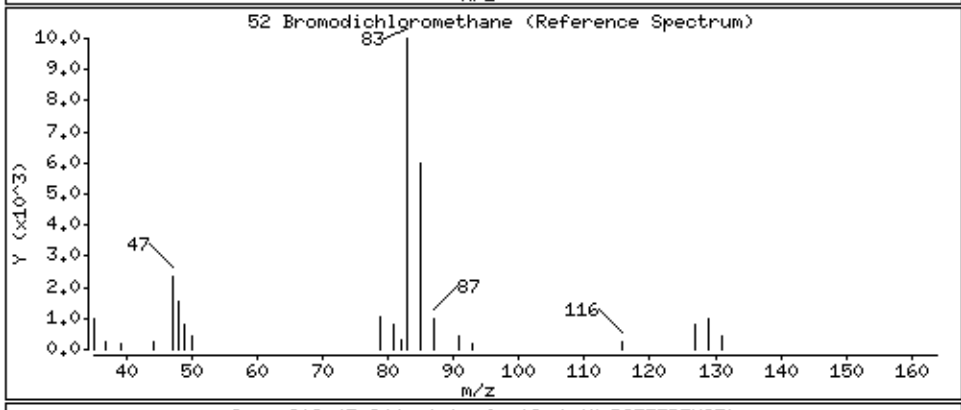
52 Bromodichloromethane

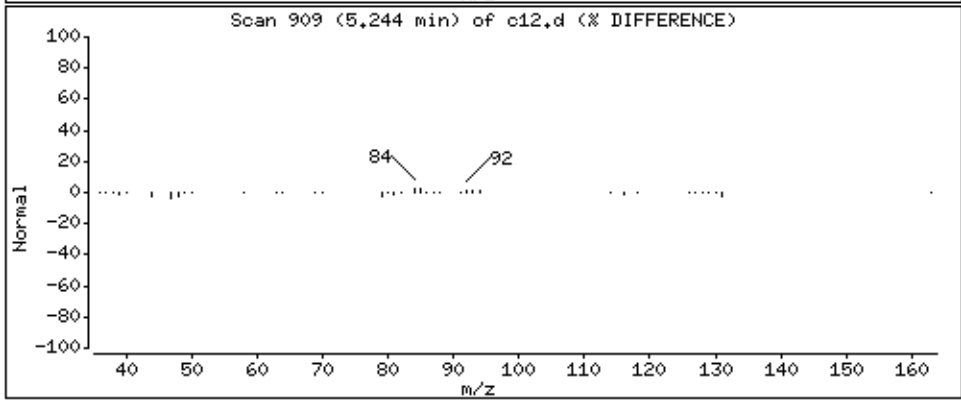
Concentration: 48.8 ppb

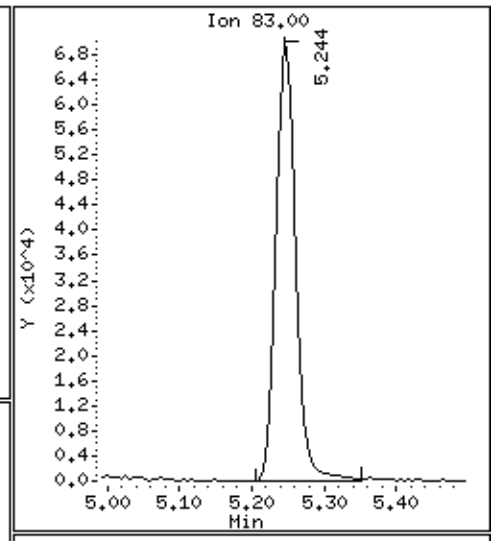
Review Code:

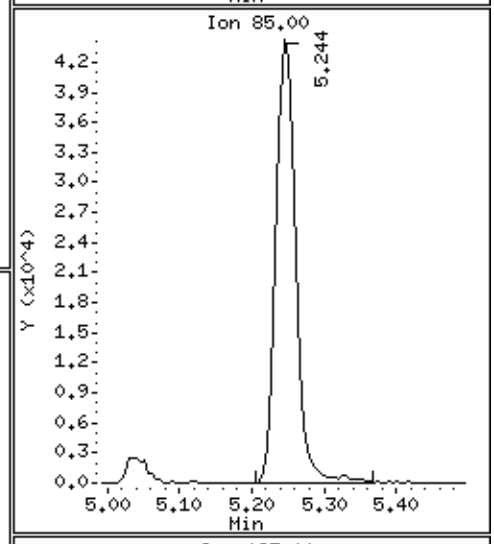


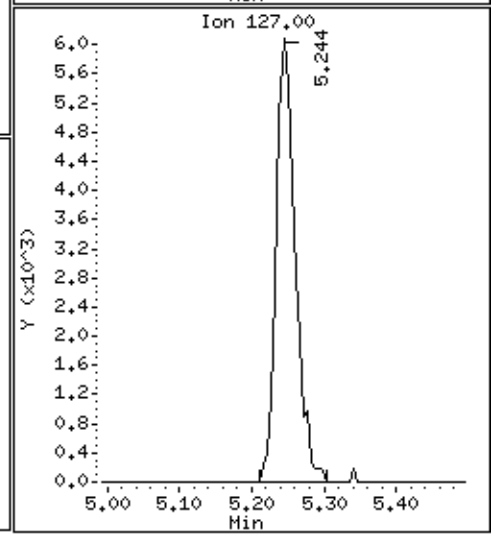












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

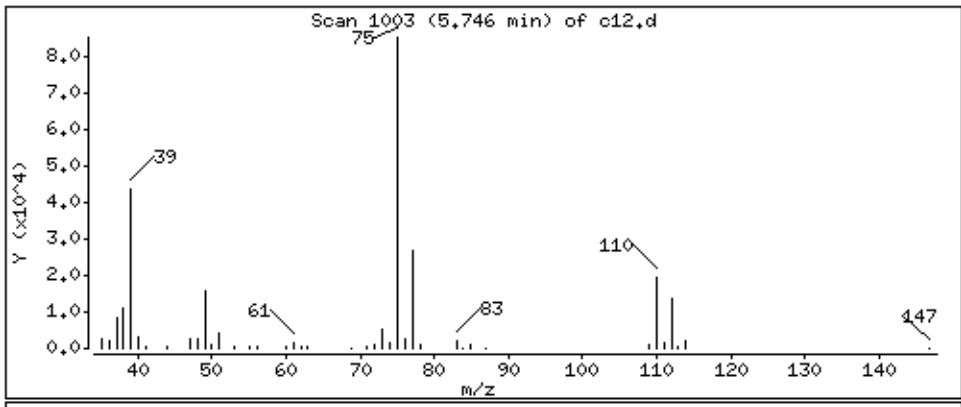
Column phase: DB-624

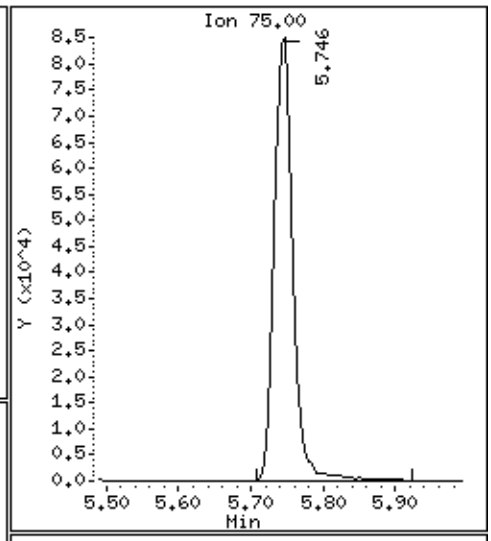
Column diameter: 0.18

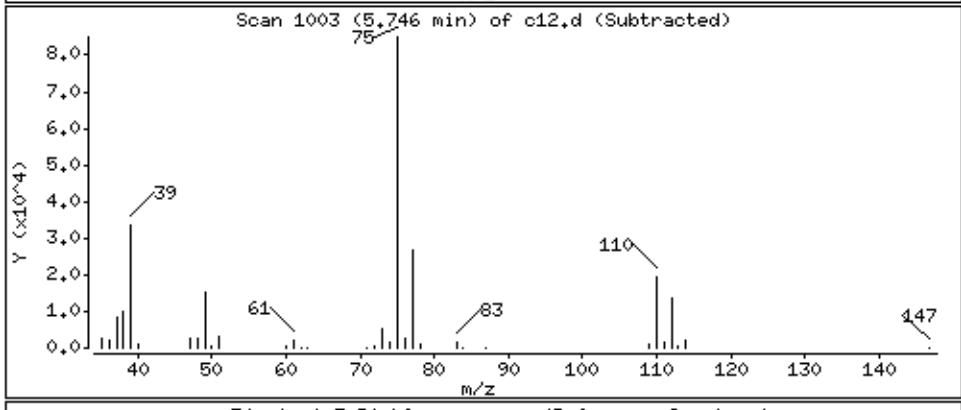
54 cis-1,3-Dichloropropene

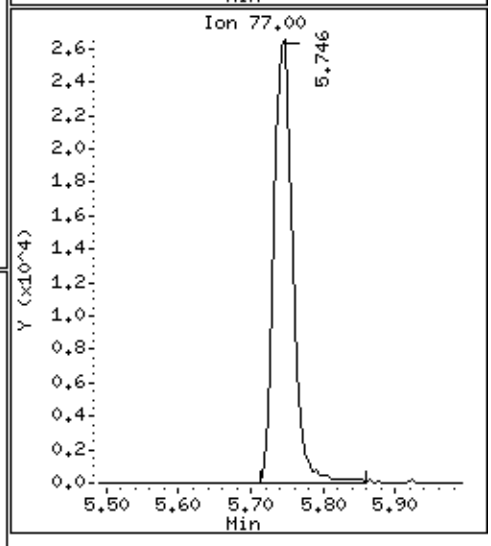
Concentration: 41.0 ppb

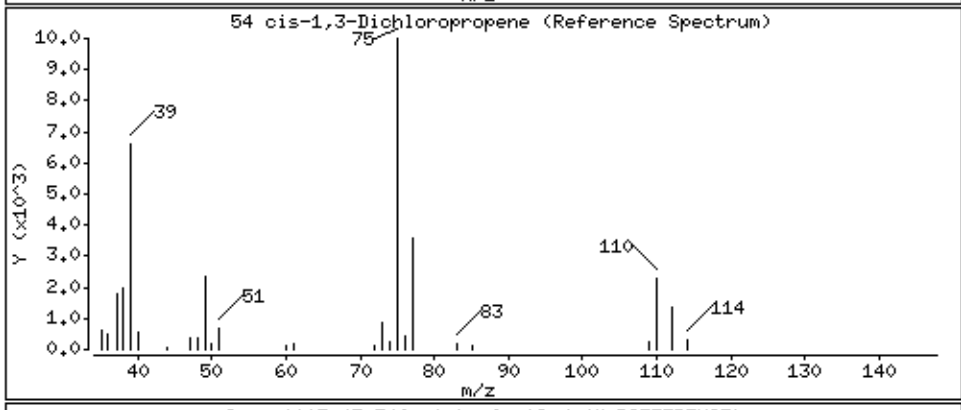
Review Code:

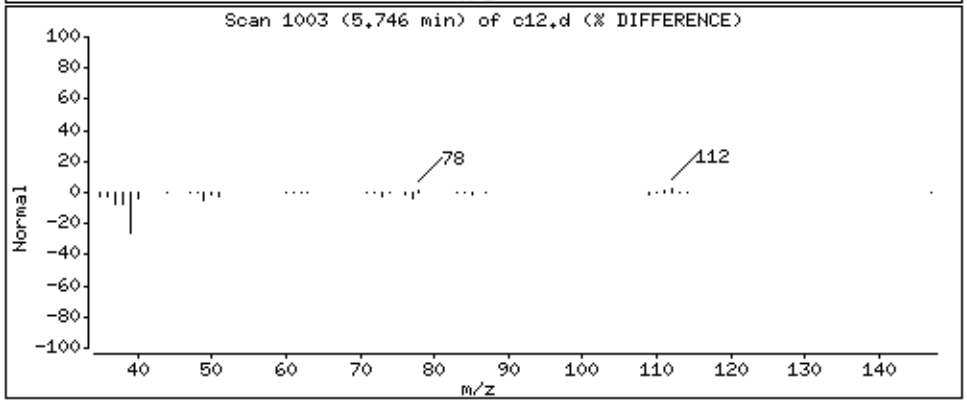












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

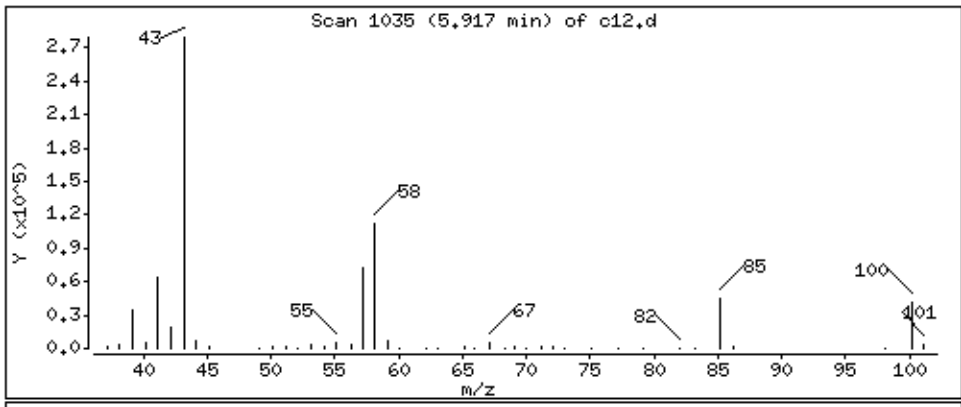
Column phase: DB-624

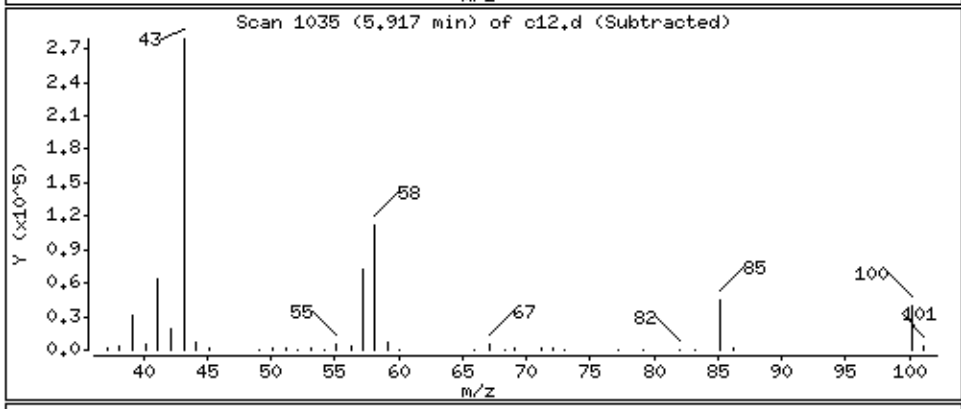
Column diameter: 0.18

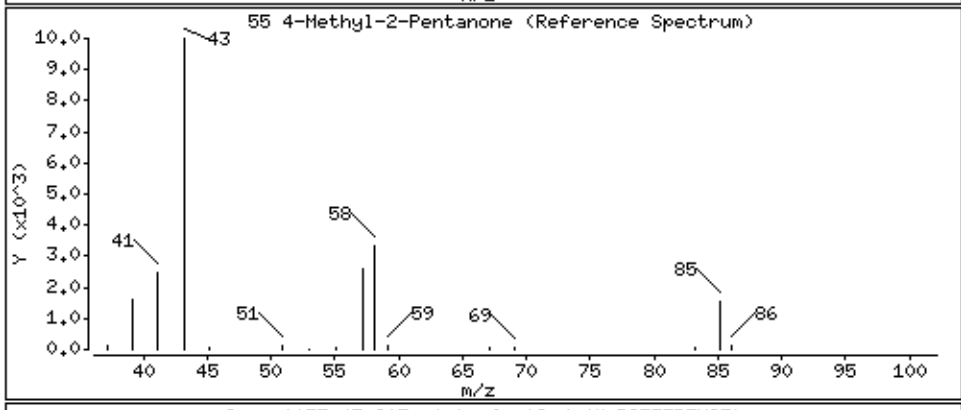
55 4-Methyl-2-Pentanone

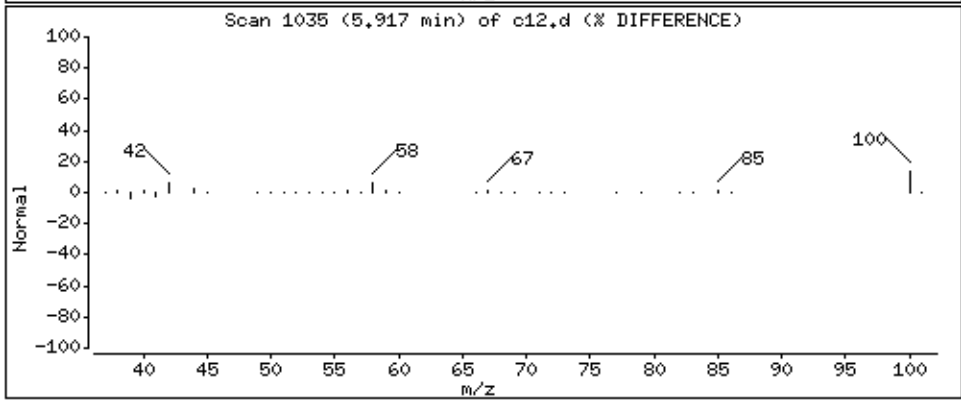
Concentration: 278 ppb

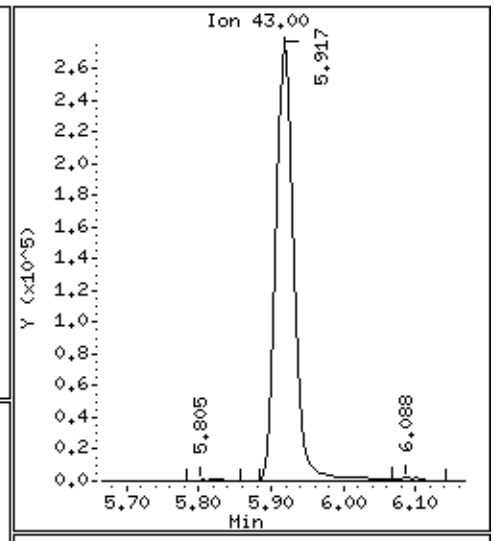
Review Code:

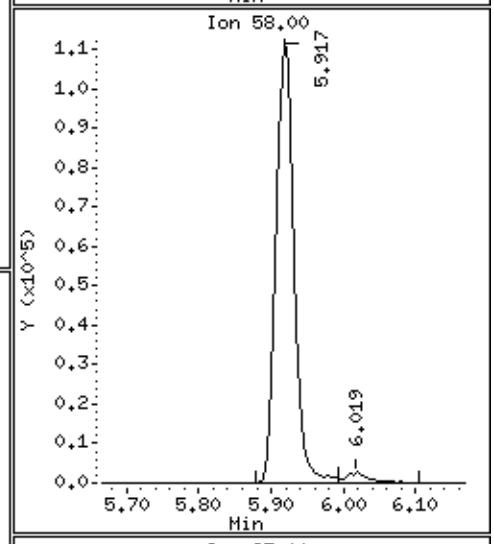


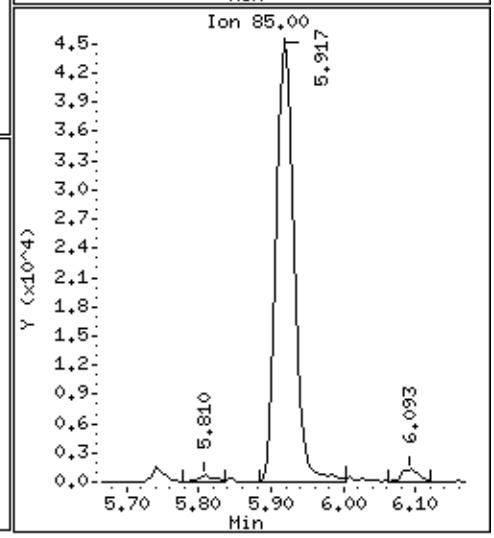












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

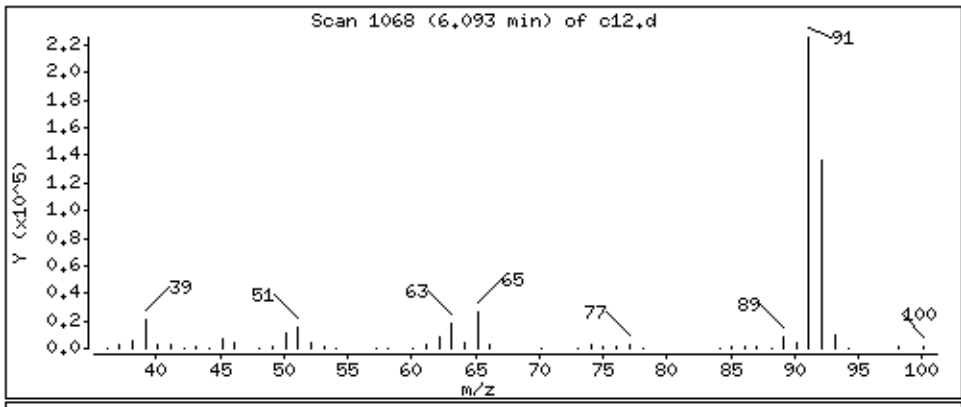
Column phase: DB-624

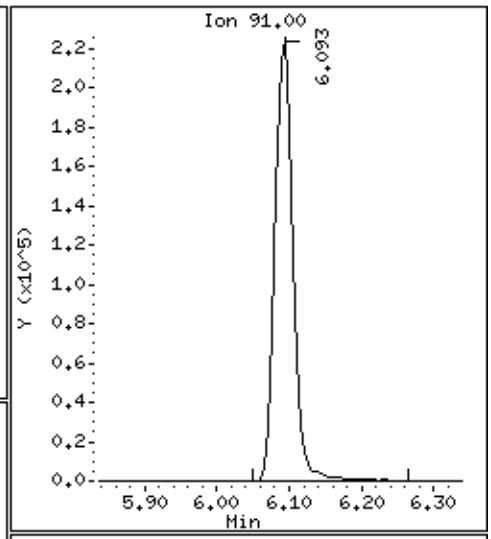
Column diameter: 0.18

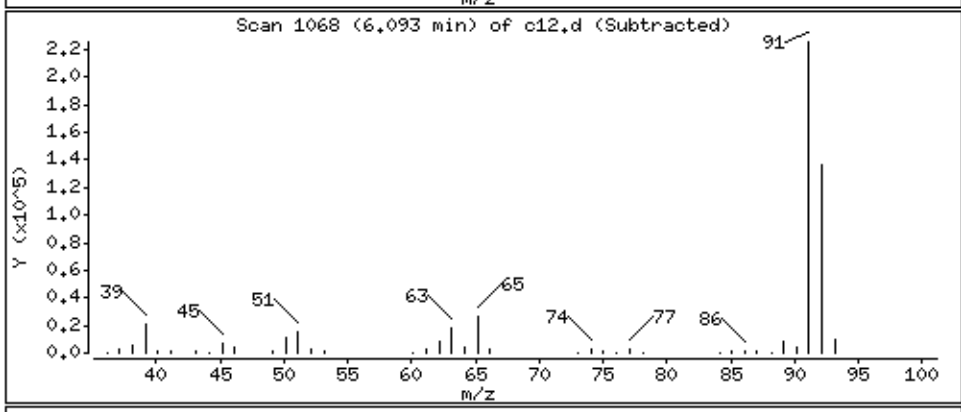
57 Toluene

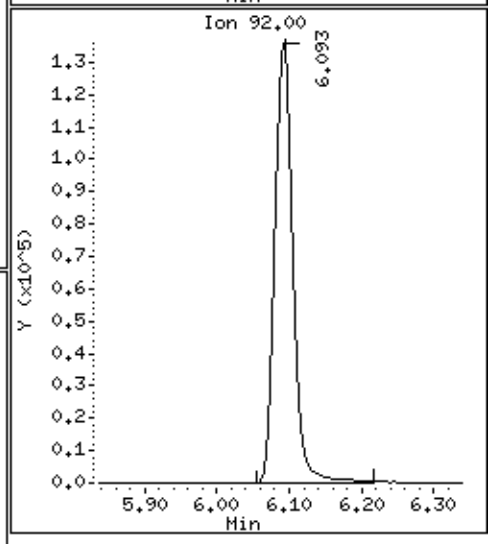
Concentration: 32.1 ppb

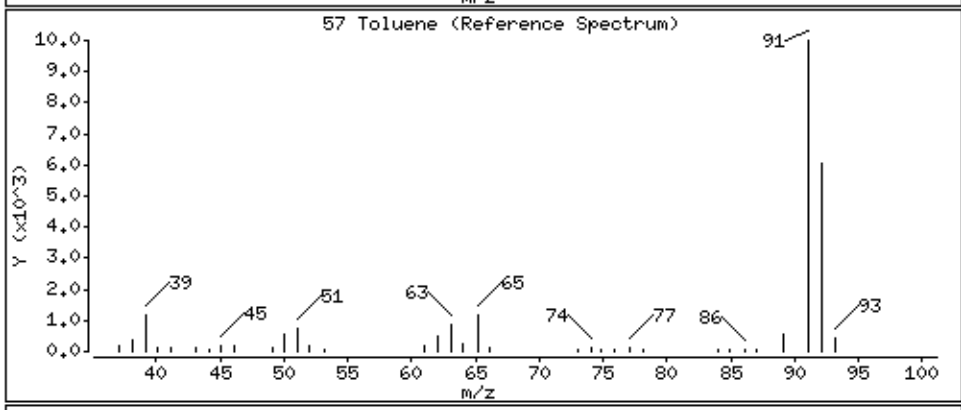
Review Code:

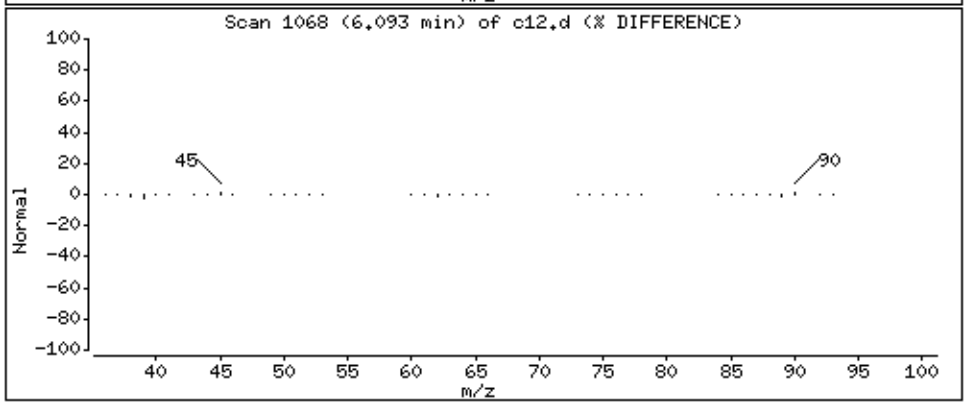












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

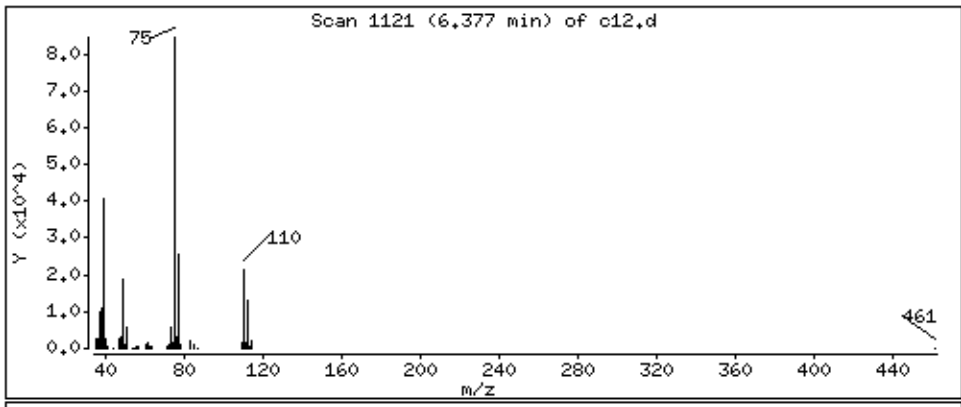
Column phase: DB-624

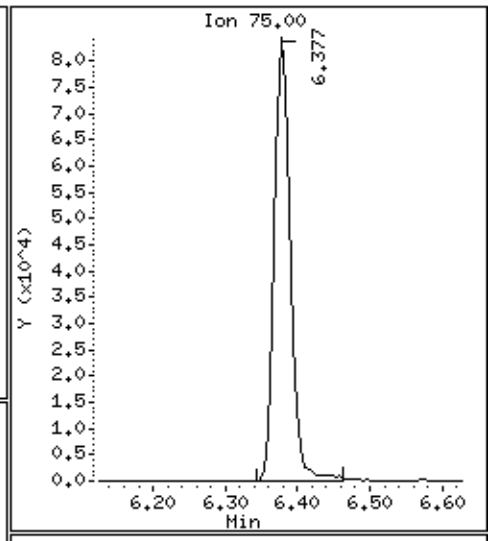
Column diameter: 0.18

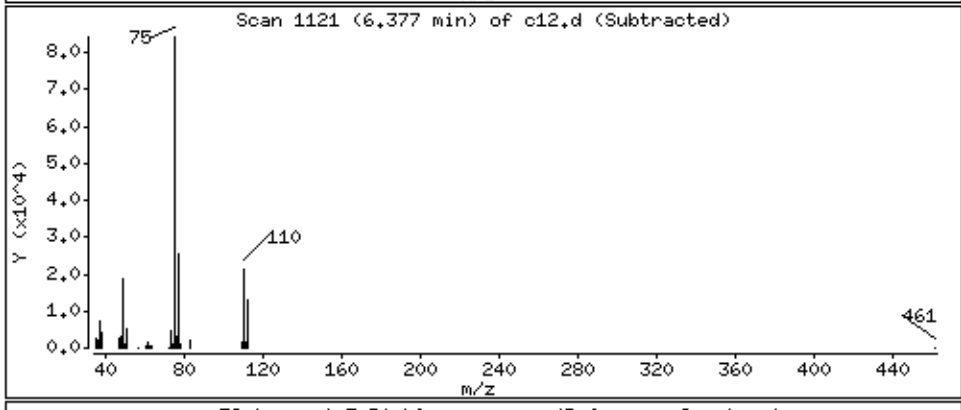
58 trans-1,3-Dichloropropene

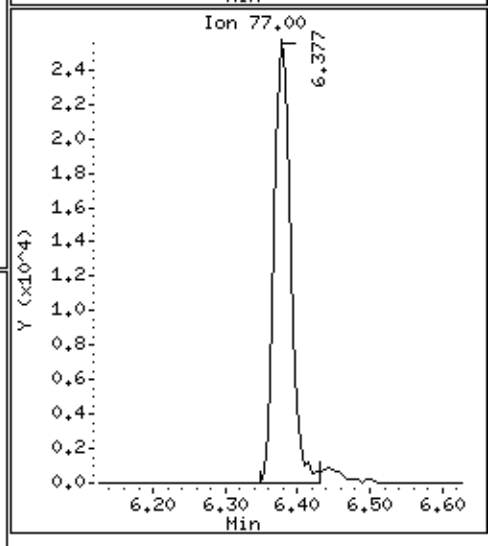
Concentration: 42.6 ppb

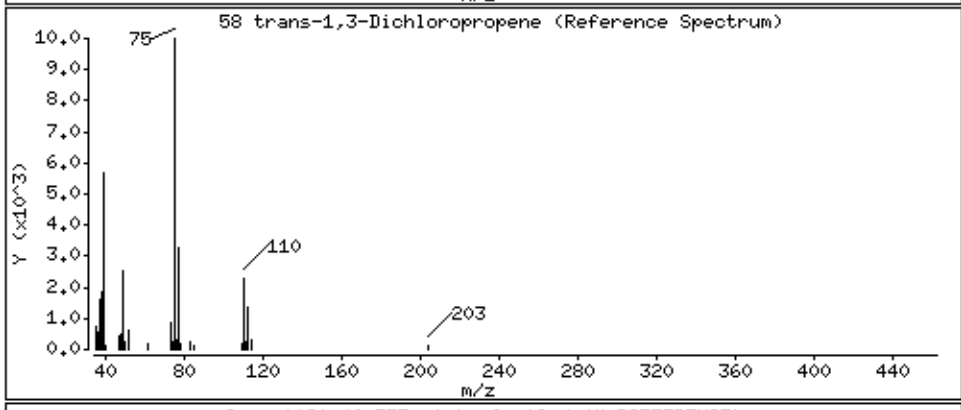
Review Code:

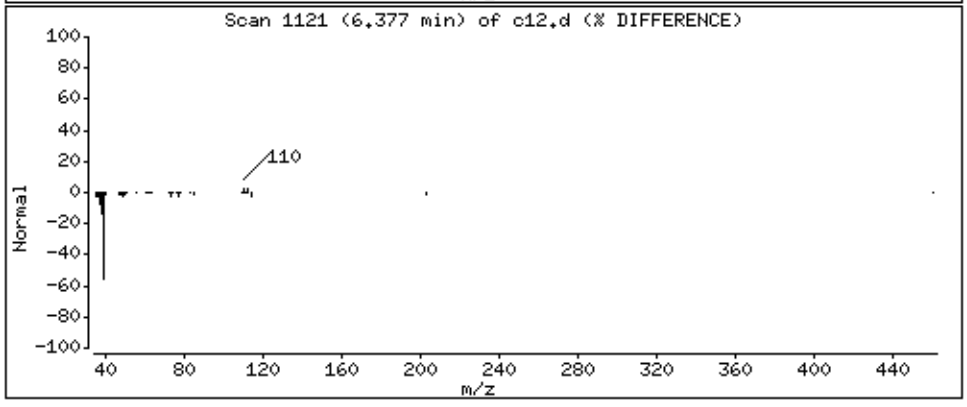












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

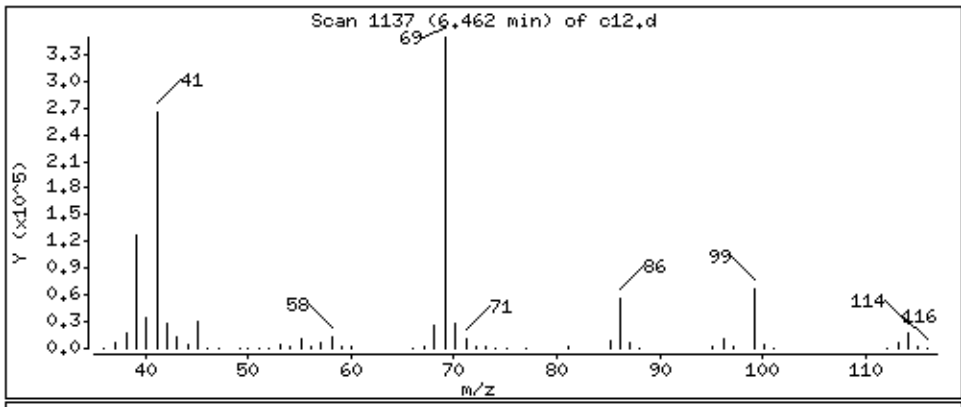
Column phase: DB-624

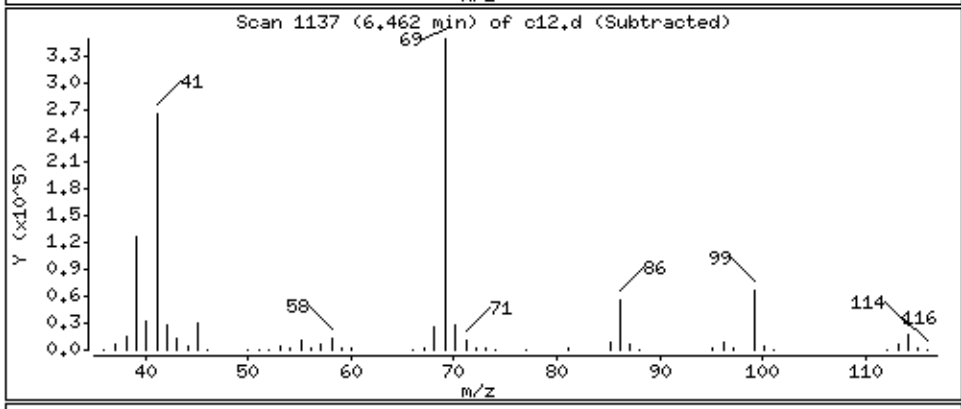
Column diameter: 0.18

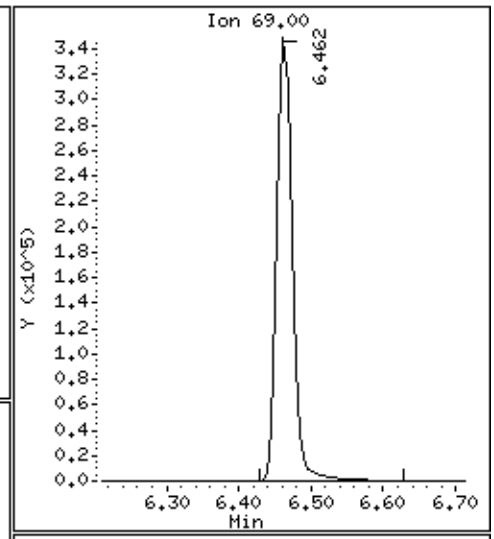
59 Ethyl Methacrylate

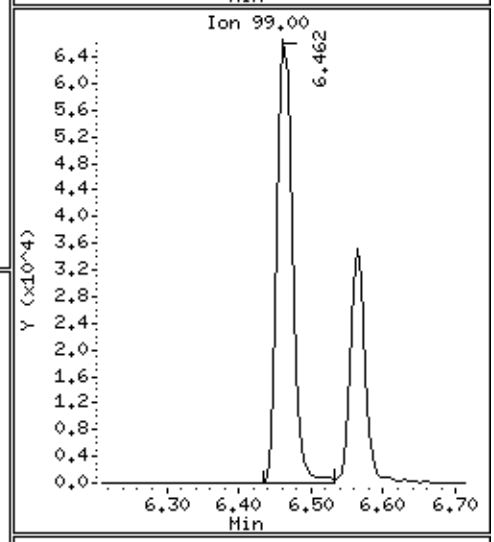
Concentration: 231 ppb

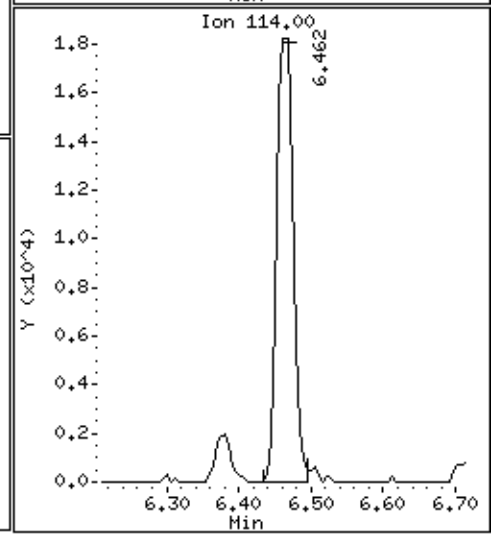
Review Code:











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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

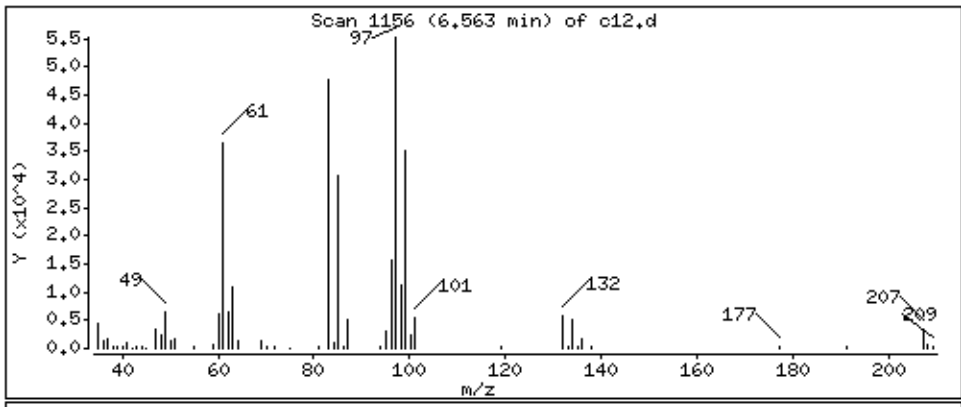
Column phase: DB-624

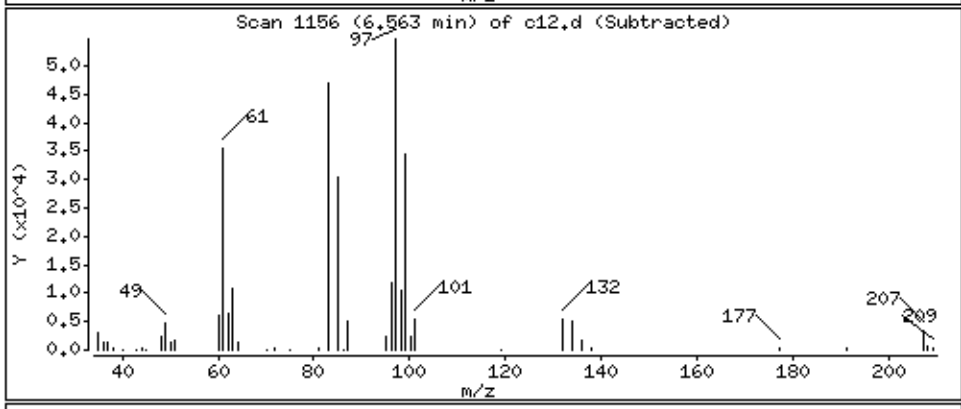
Column diameter: 0.18

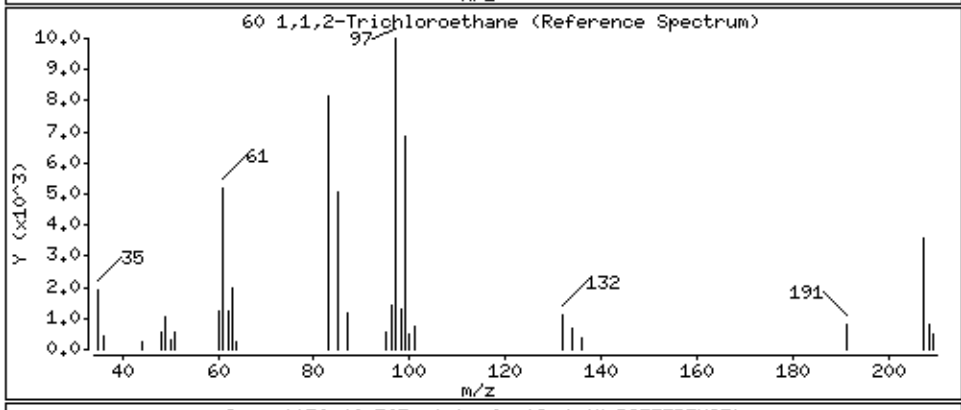
60 1,1,2-Trichloroethane

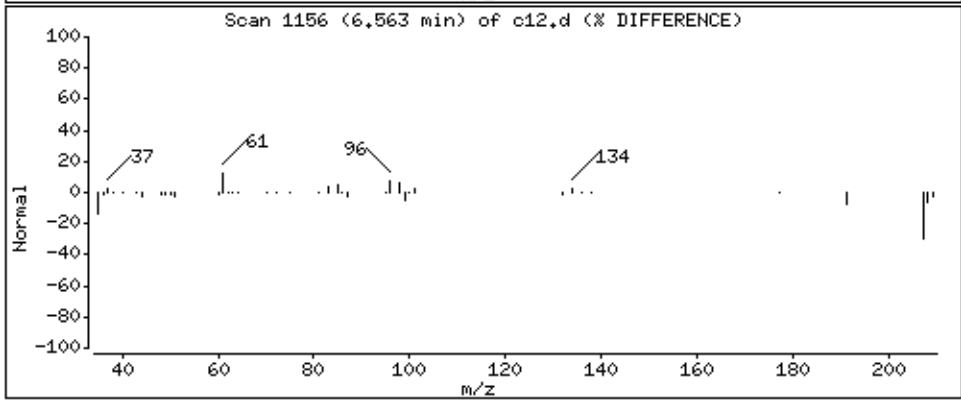
Concentration: 47.5 ppb

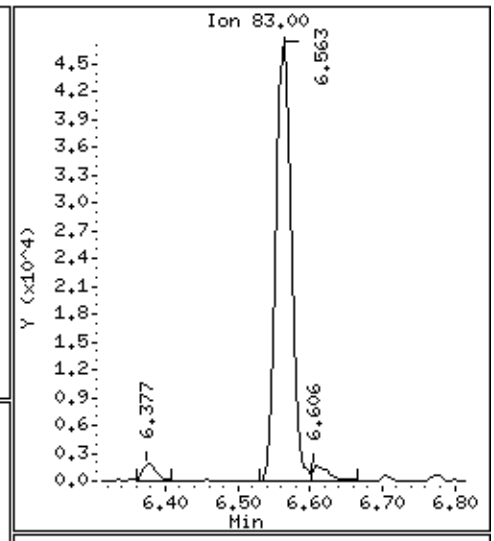
Review Code:

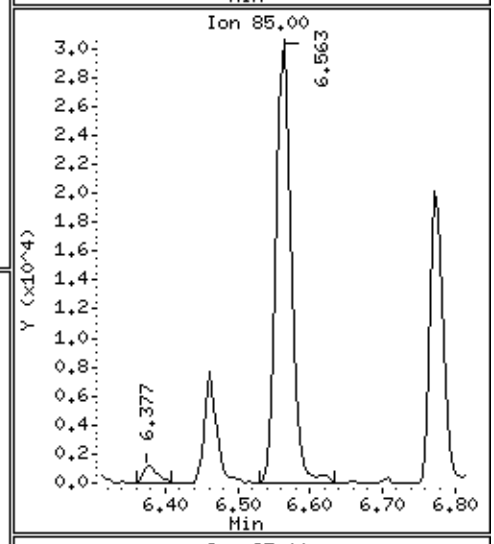


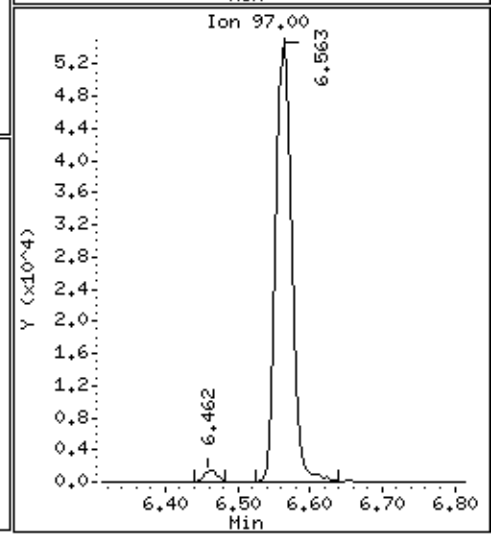












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

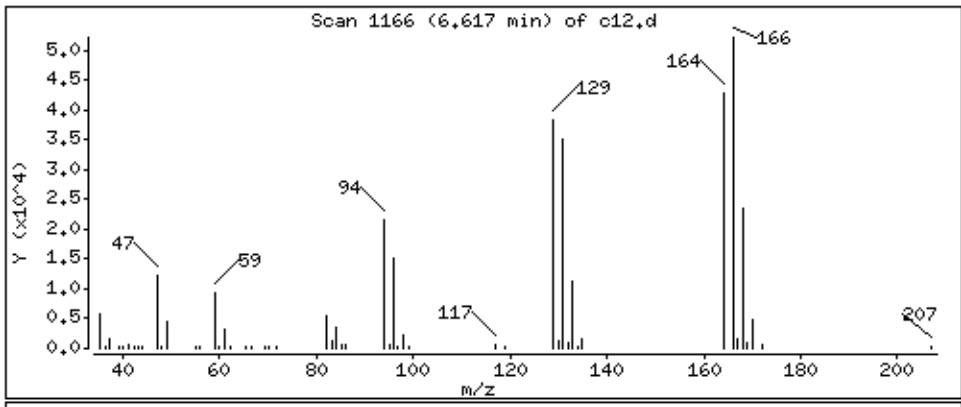
Column phase: DB-624

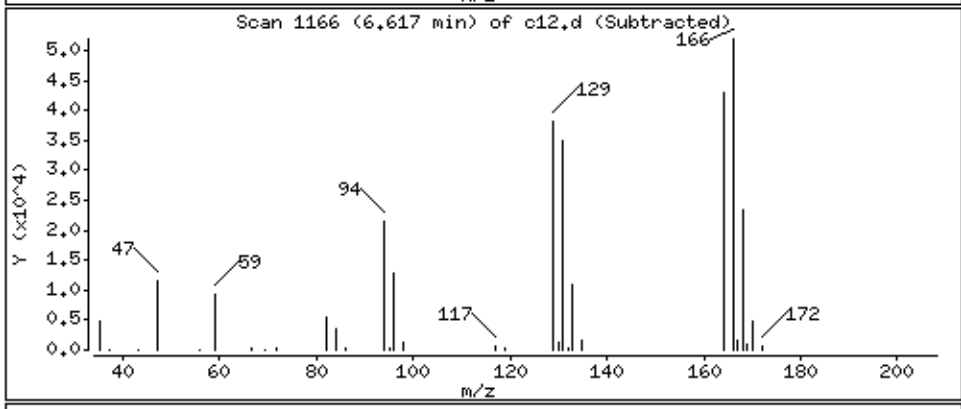
Column diameter: 0.18

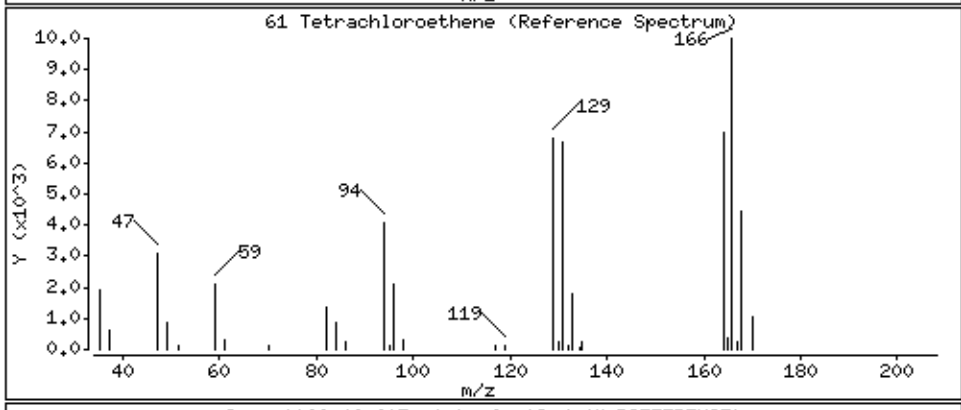
61 Tetrachloroethene

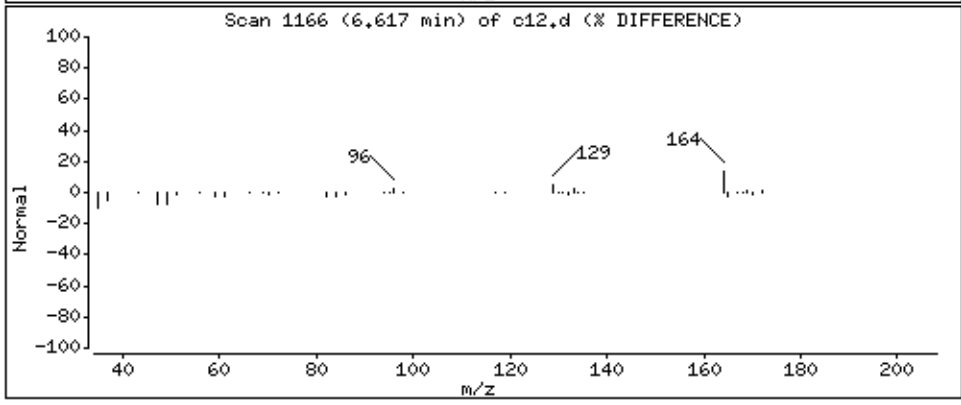
Concentration: 27.9 ppb

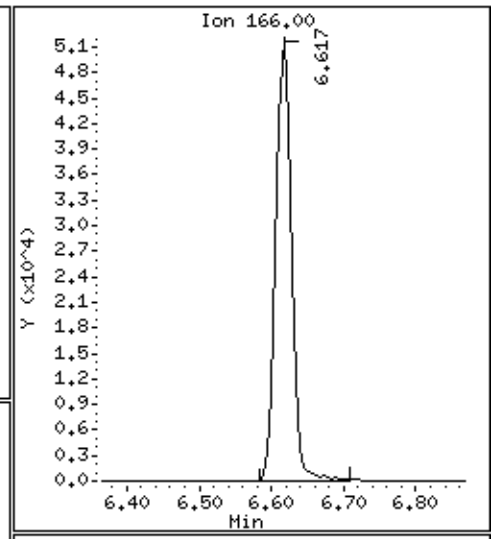
Review Code:

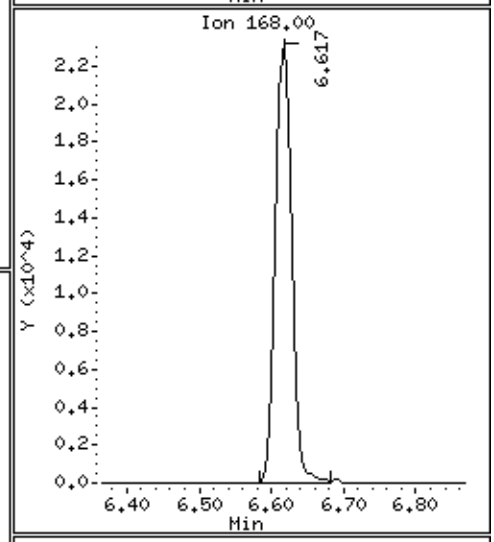


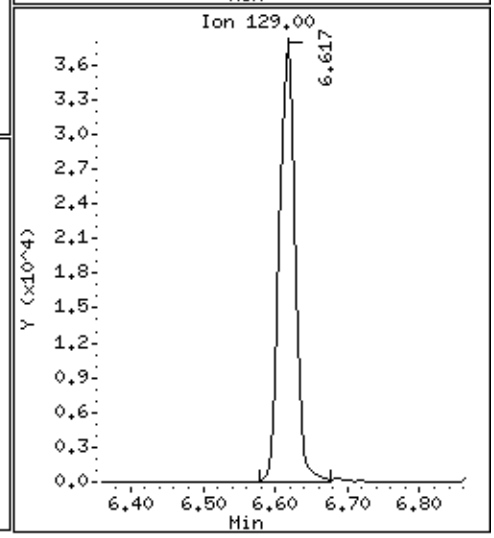












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

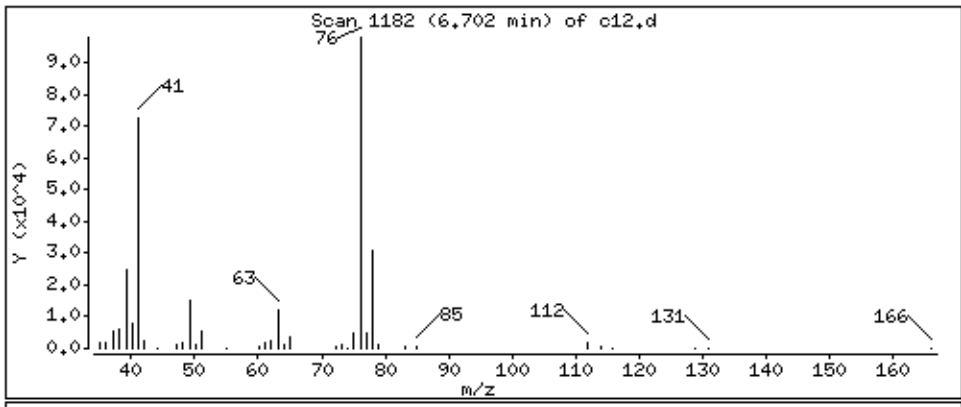
Column phase: DB-624

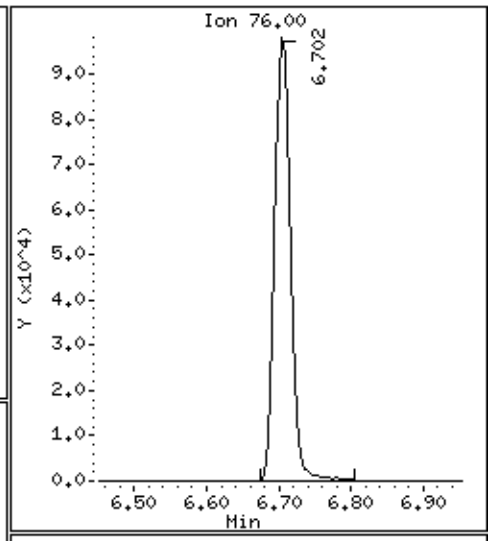
Column diameter: 0.18

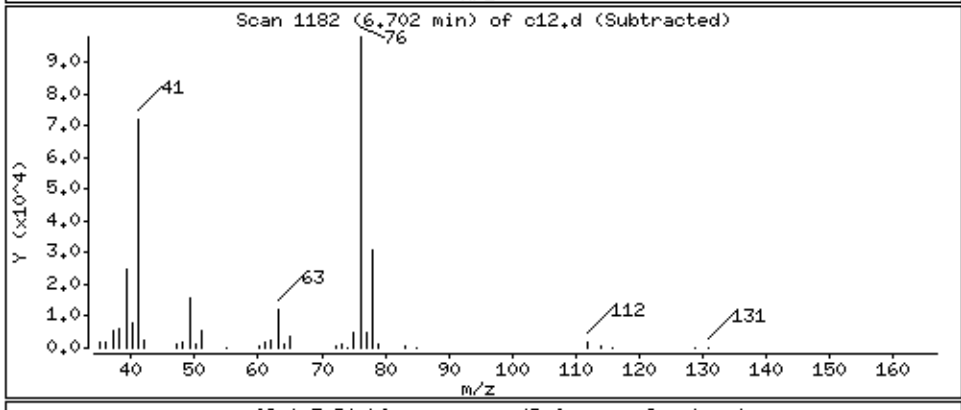
62 1,3-Dichloropropane

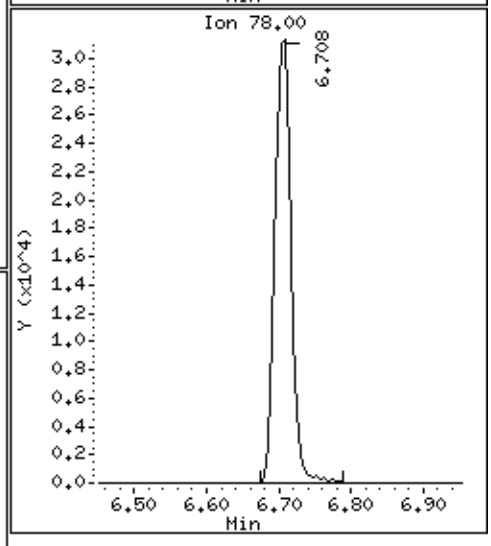
Concentration: 48.6 ppb

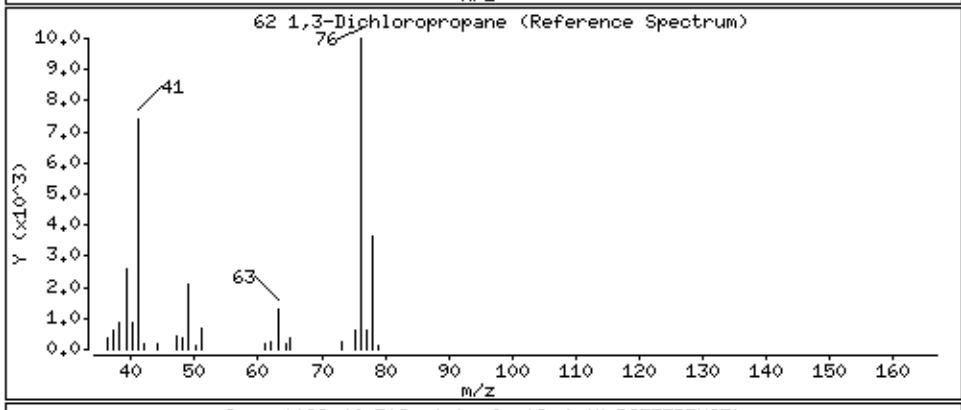
Review Code:

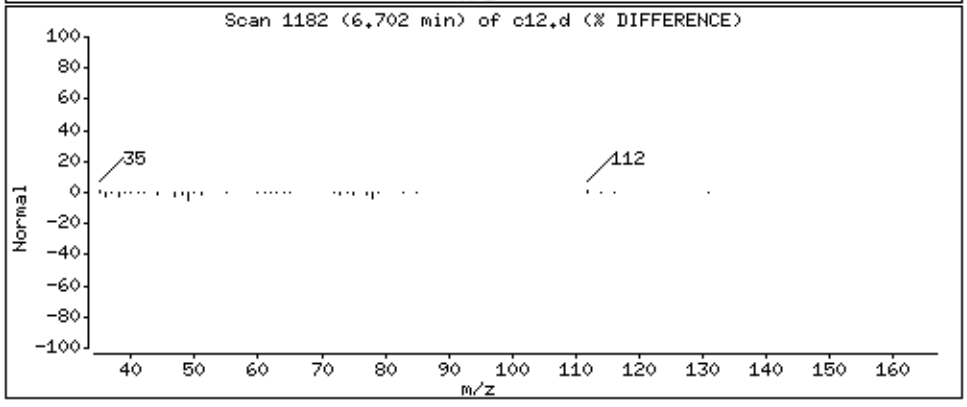












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

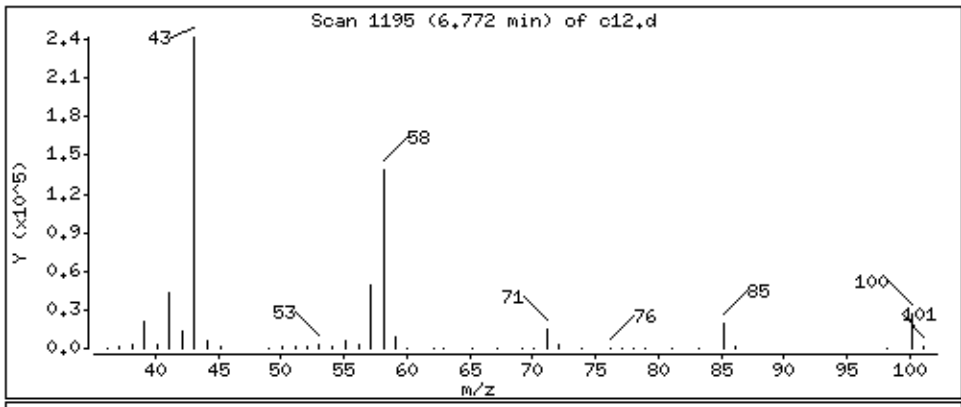
Column phase: DB-624

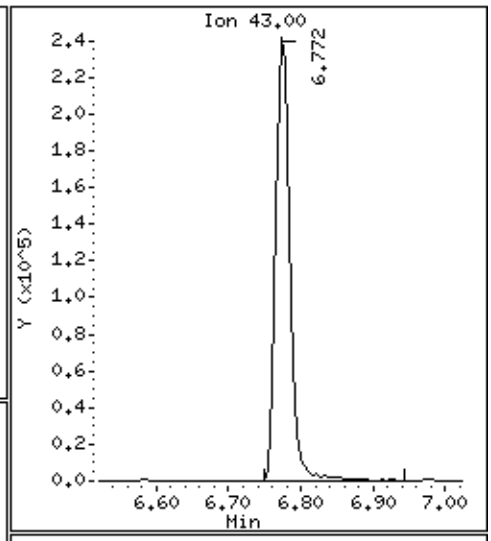
Column diameter: 0.18

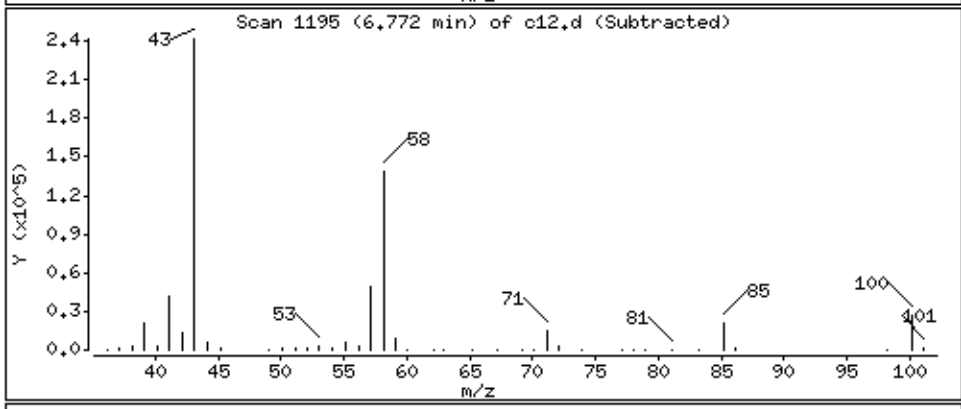
63 2-Hexanone

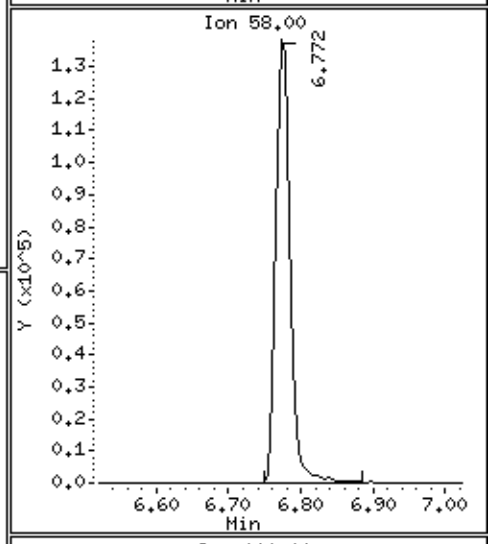
Concentration: 303 ppb

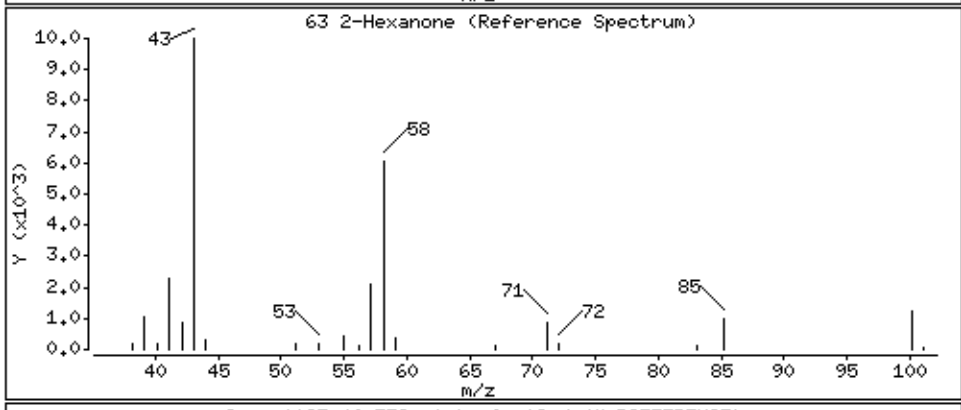
Review Code:

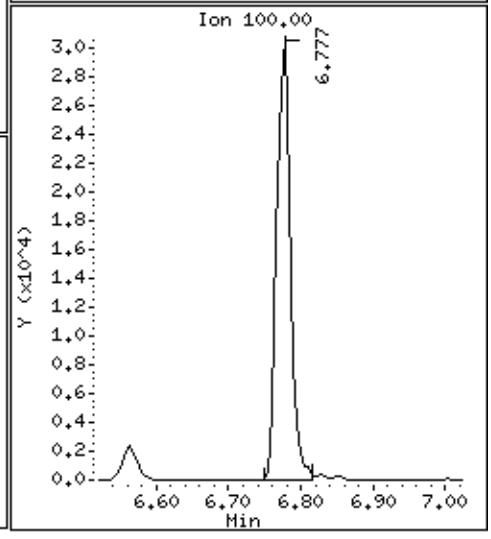


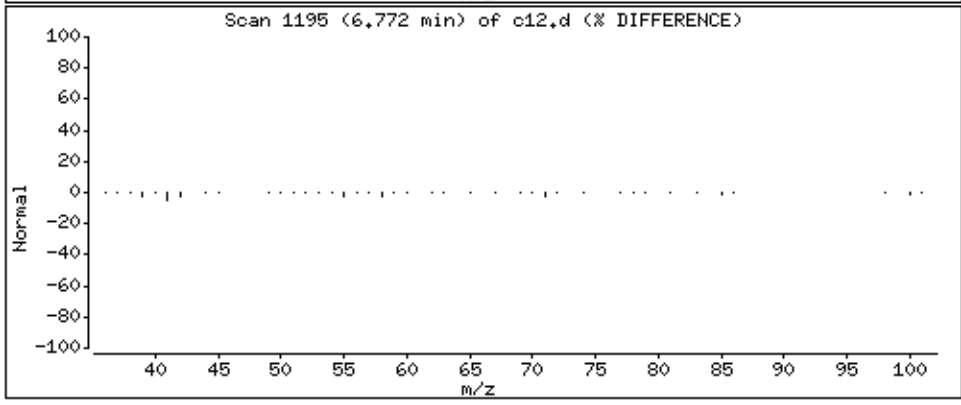












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

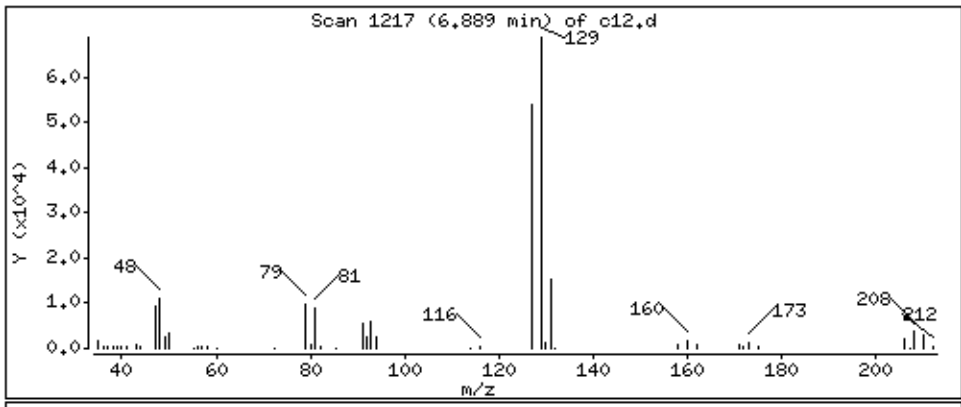
Column phase: DB-624

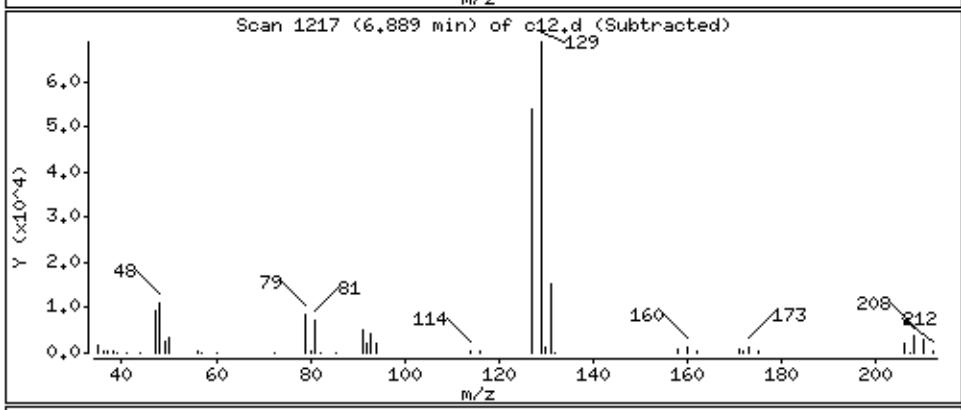
Column diameter: 0.18

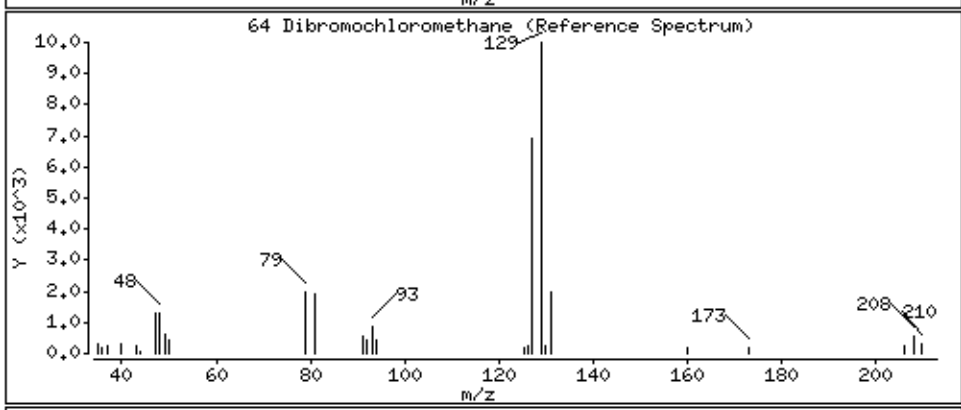
64 Dibromochloromethane

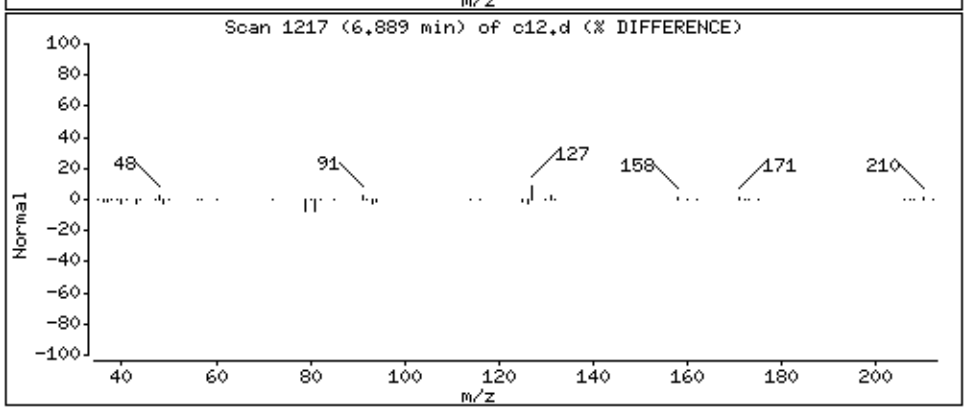
Concentration: 45.0 ppb

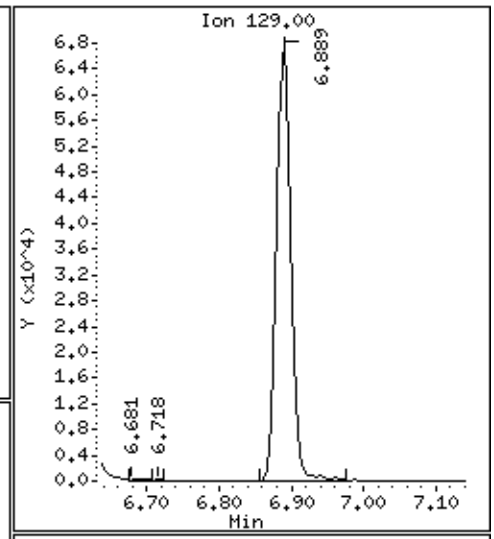
Review Code:

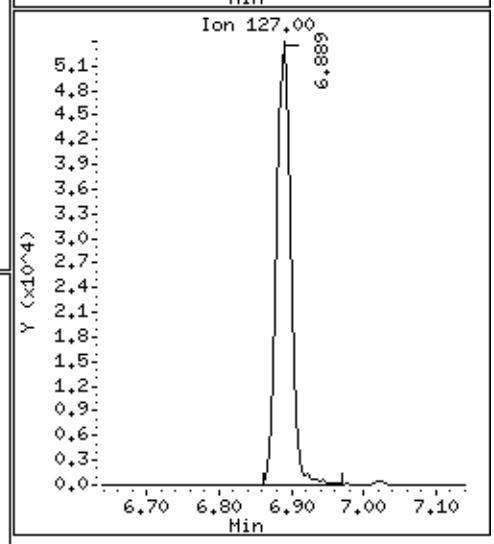












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

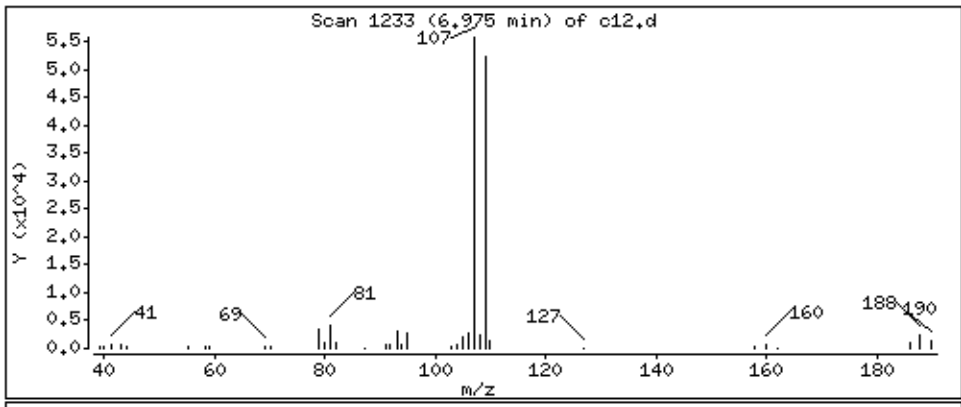
Column phase: DB-624

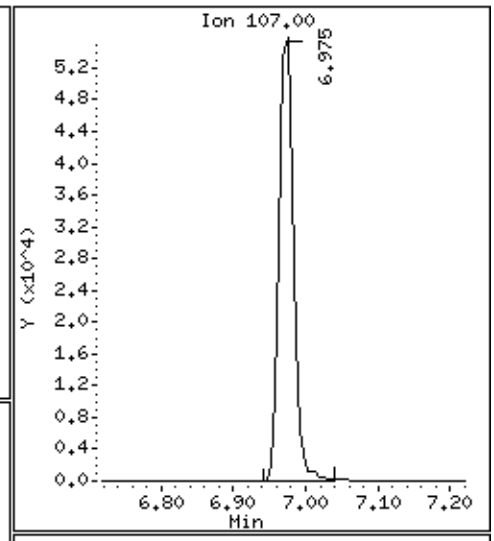
Column diameter: 0.18

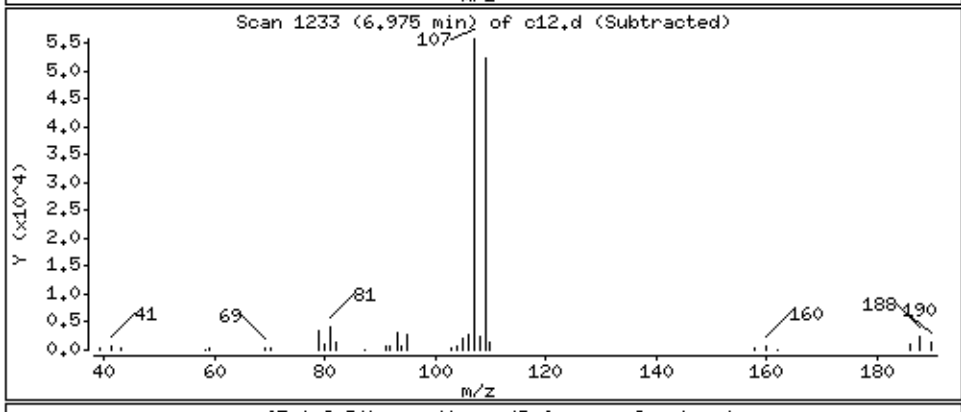
65 1,2-Dibromoethane

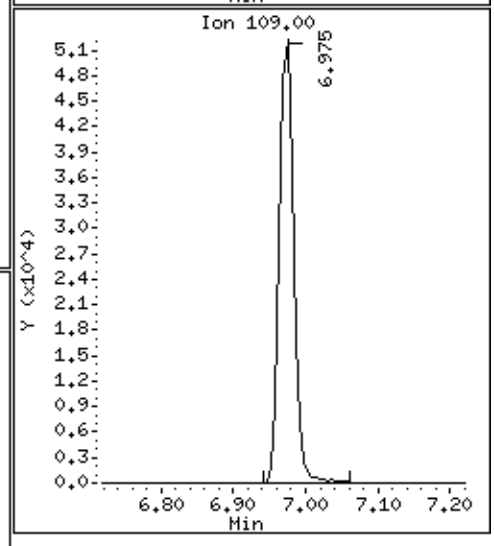
Concentration: 48.6 ppb

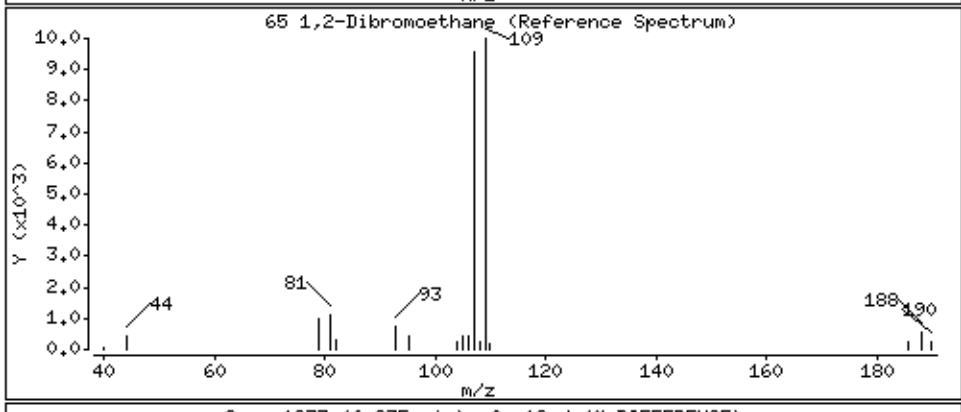
Review Code:

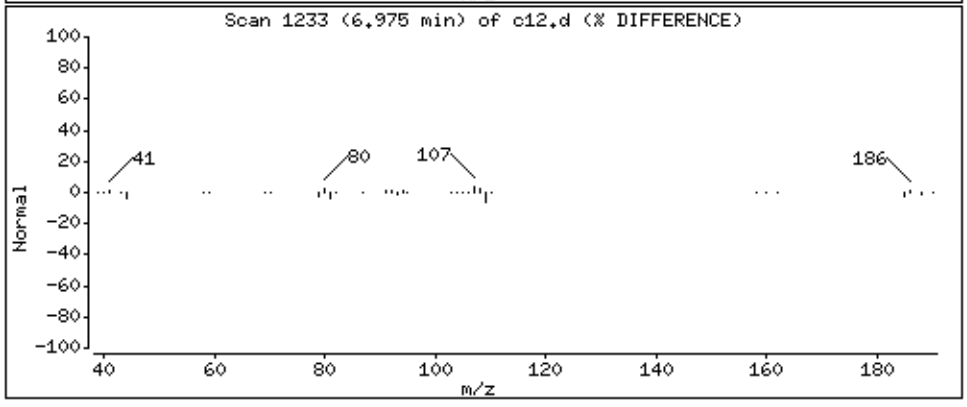












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

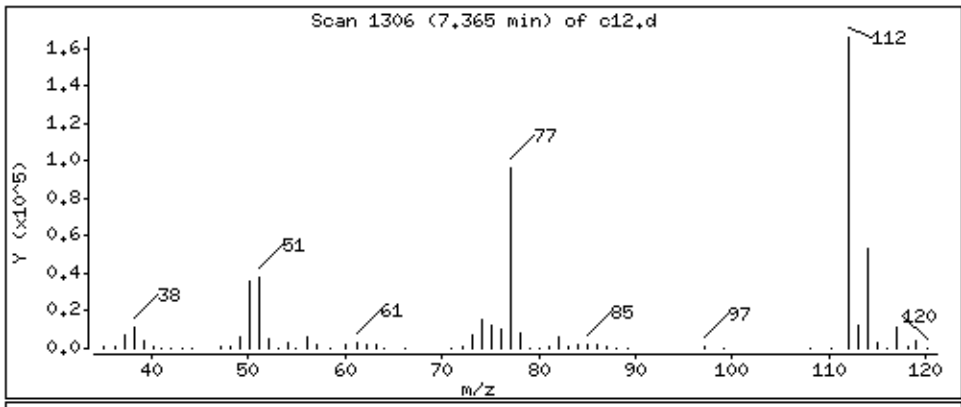
Column phase: DB-624

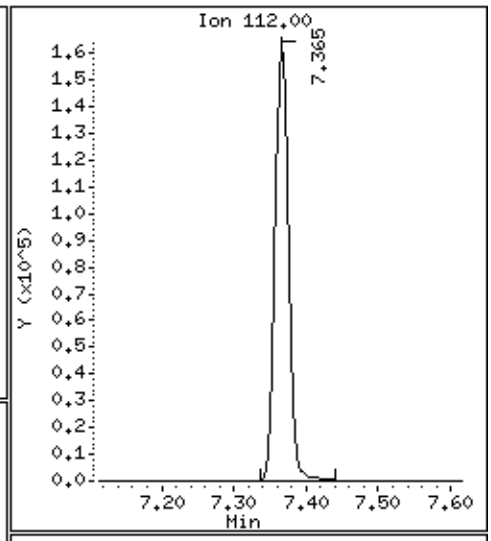
Column diameter: 0.18

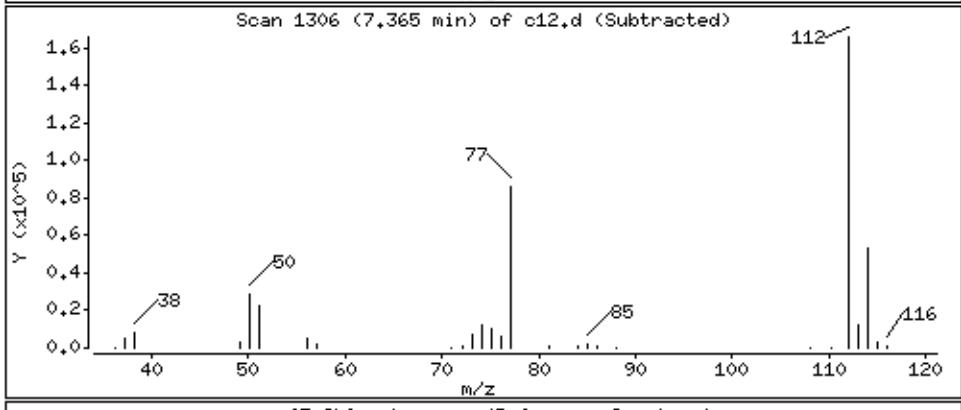
67 Chlorobenzene

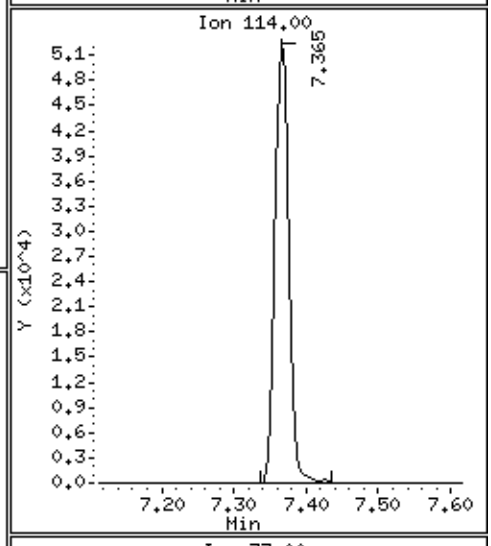
Concentration: 30.4 ppb

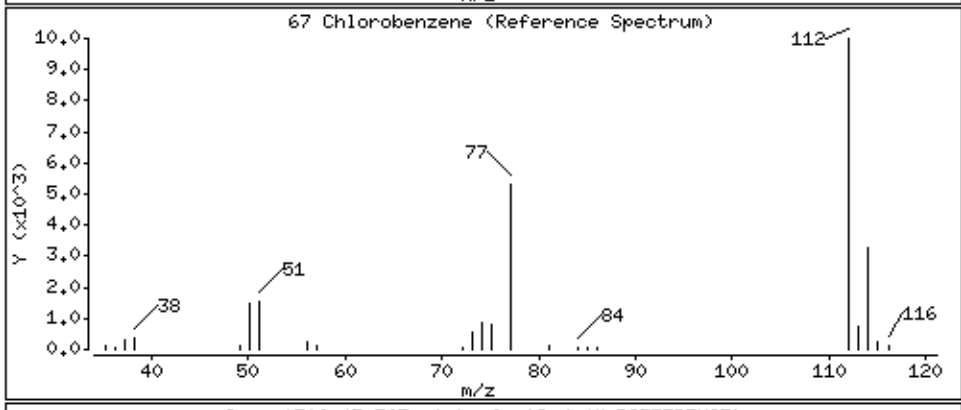
Review Code:

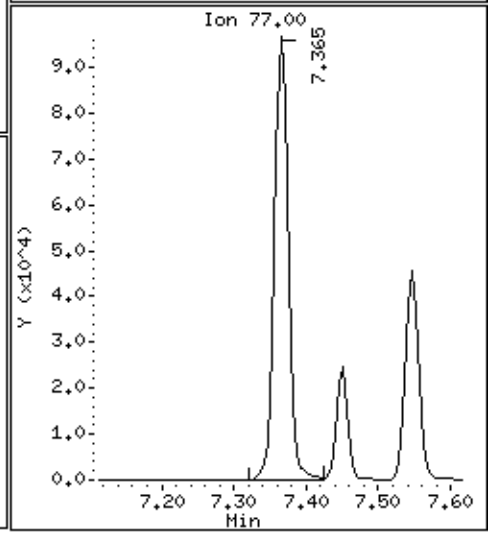


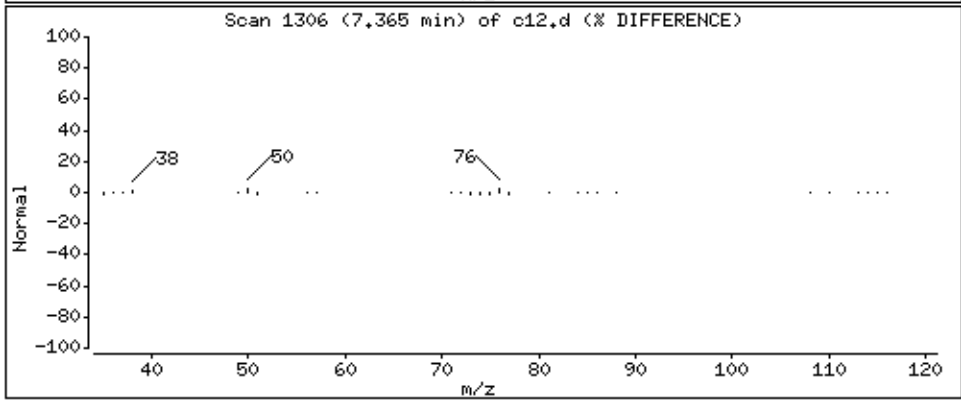












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

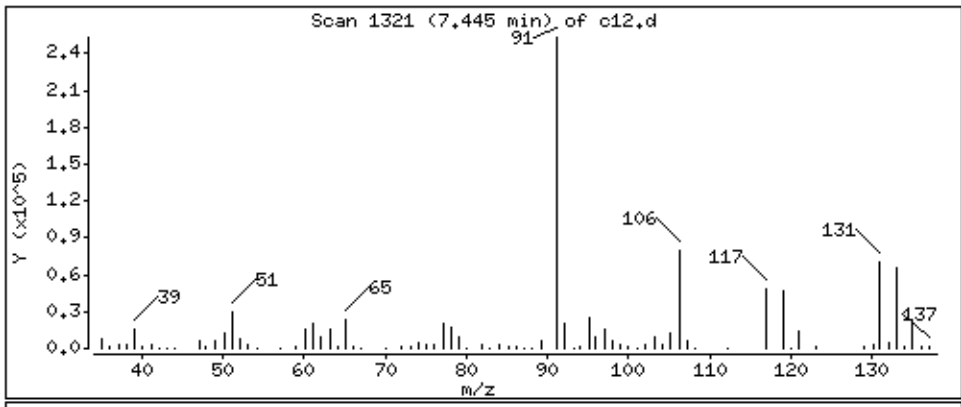
Column phase: DB-624

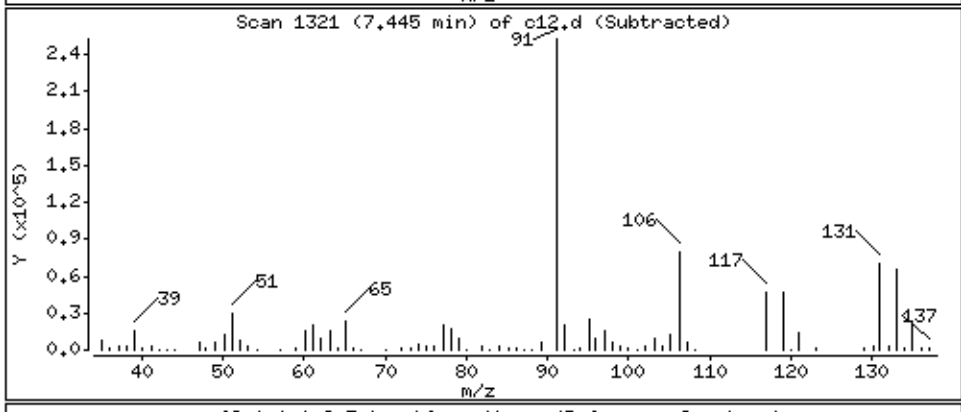
Column diameter: 0.18

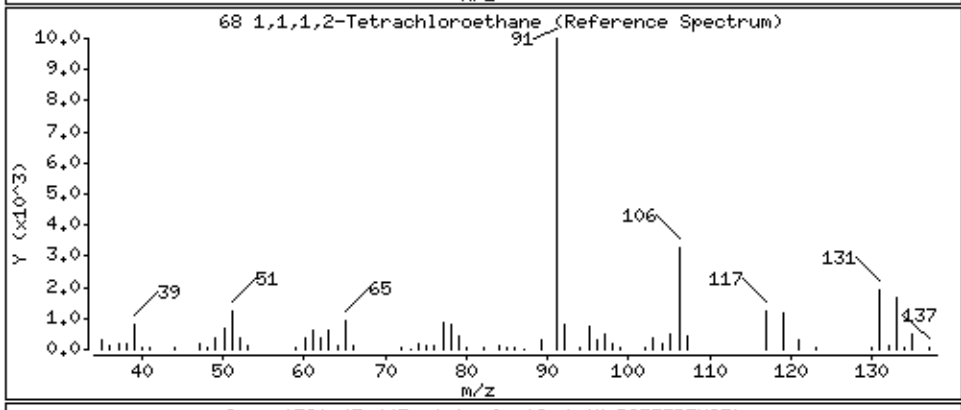
68 1,1,1,2-Tetrachloroethane

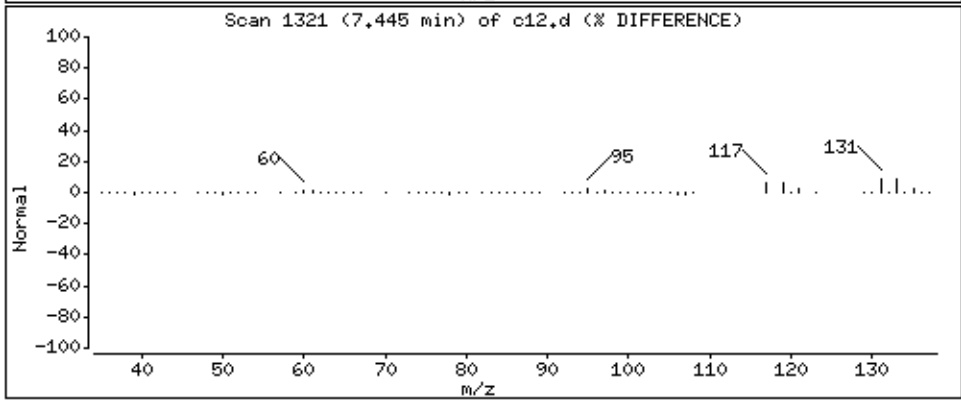
Concentration: 41.2 ppb

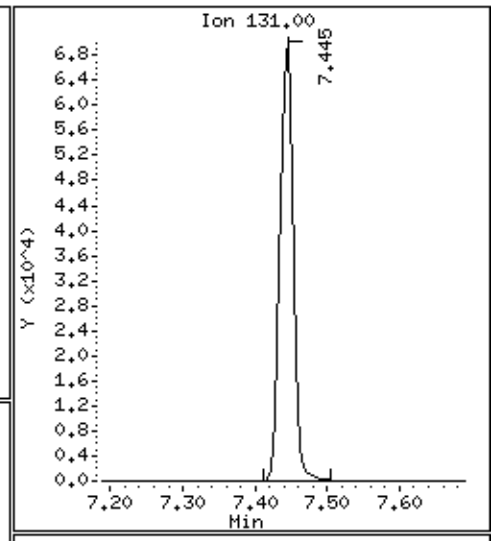
Review Code:

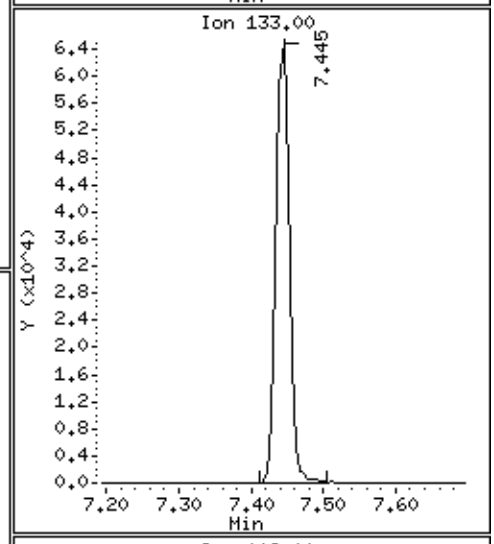


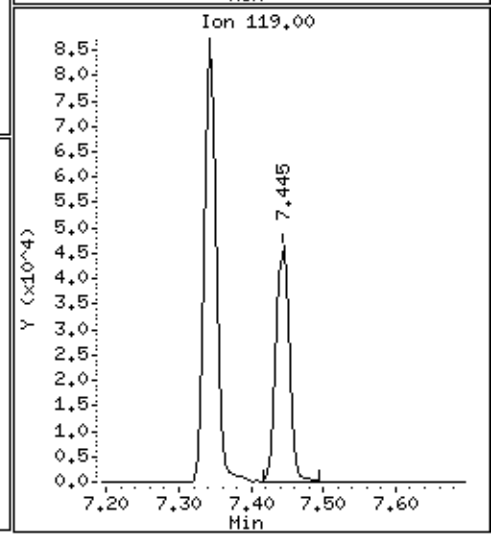












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

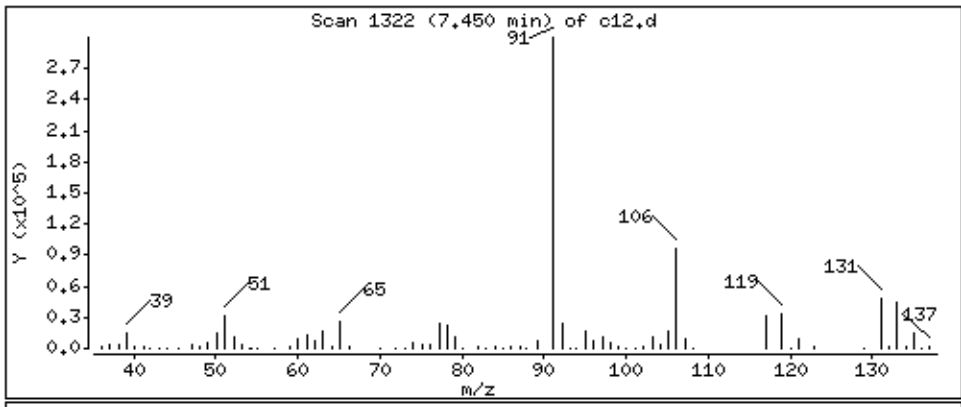
Column phase: DB-624

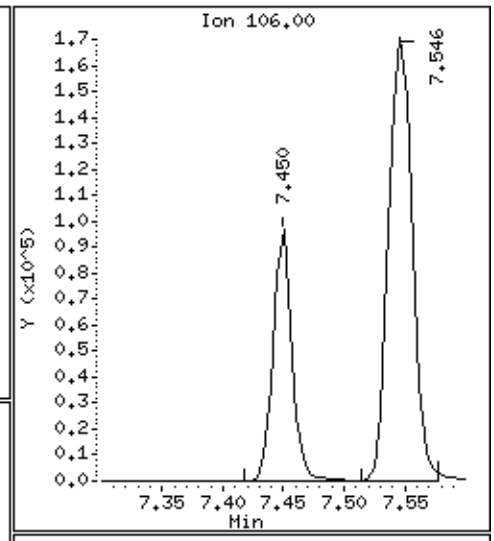
Column diameter: 0.18

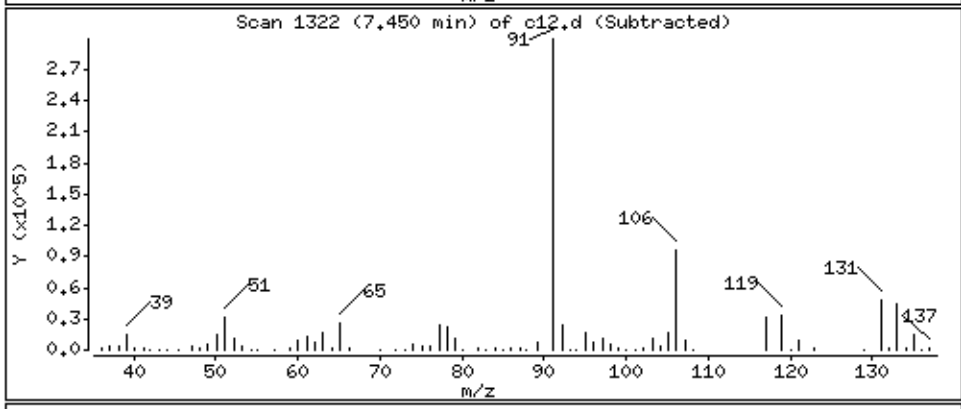
69 Ethylbenzene

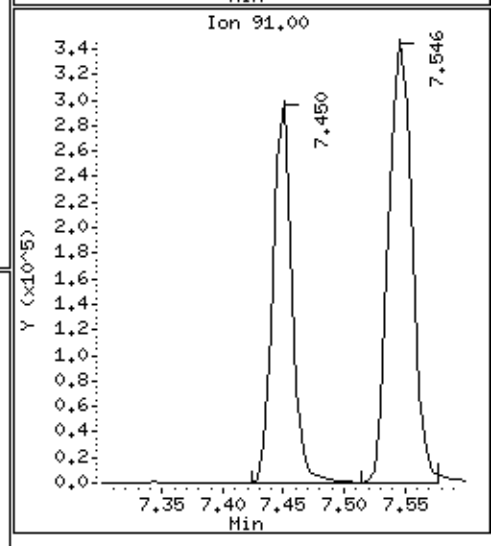
Concentration: 29.7 ppb

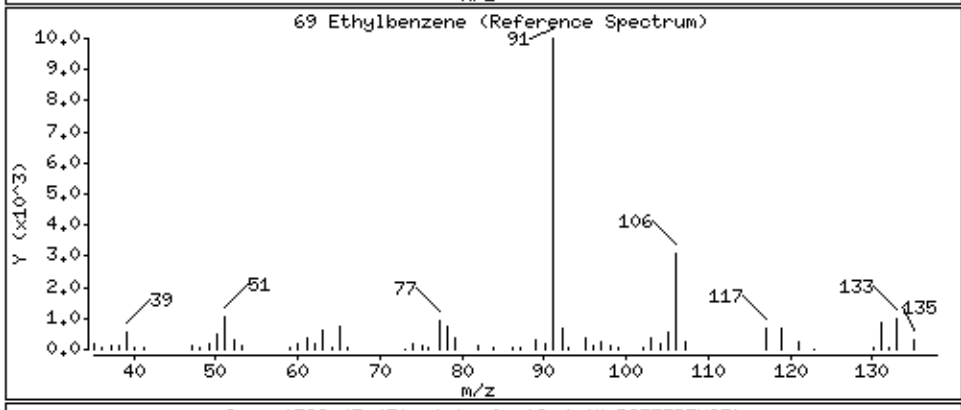
Review Code:

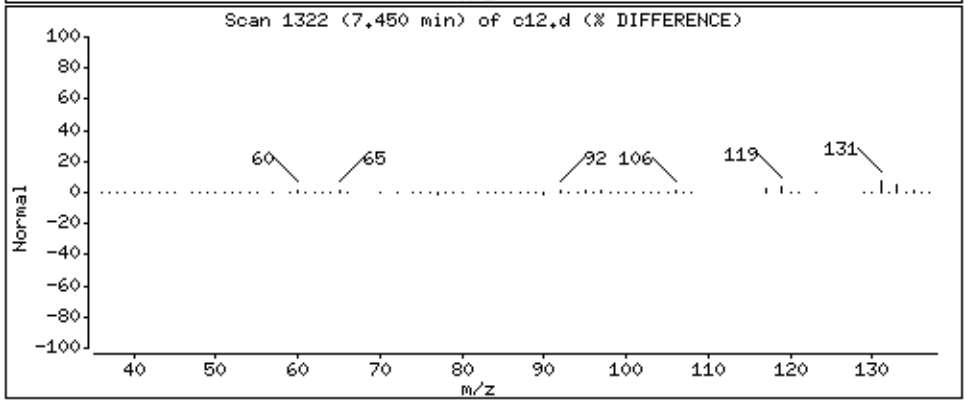












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

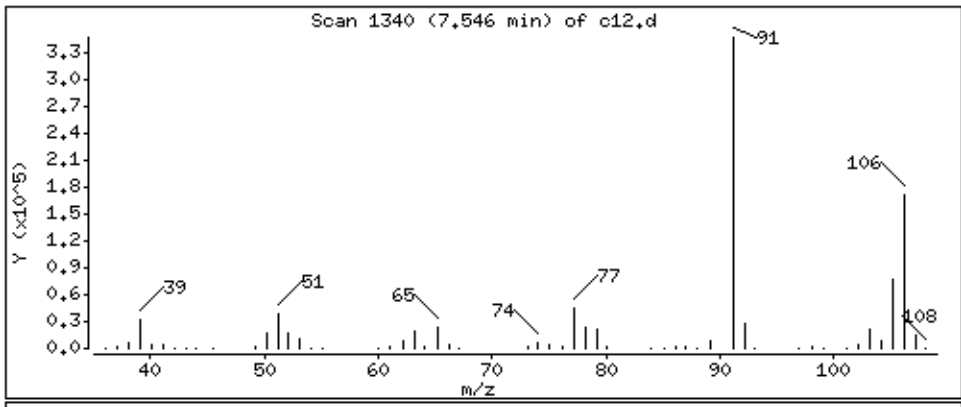
Column phase: DB-624

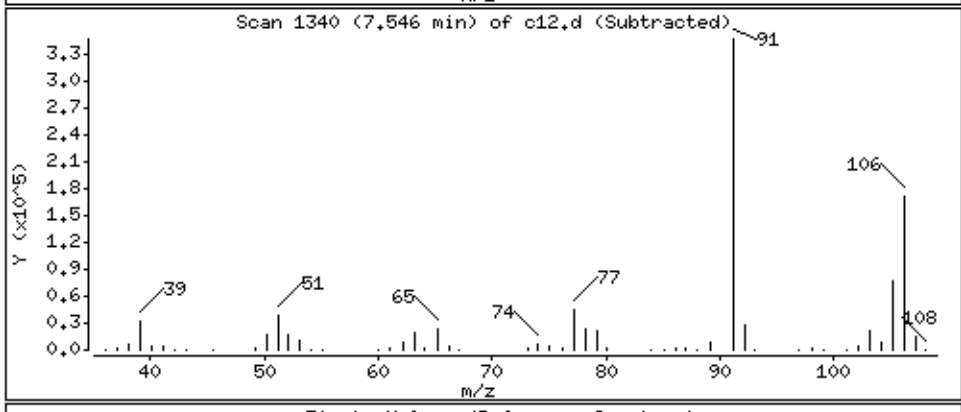
Column diameter: 0.18

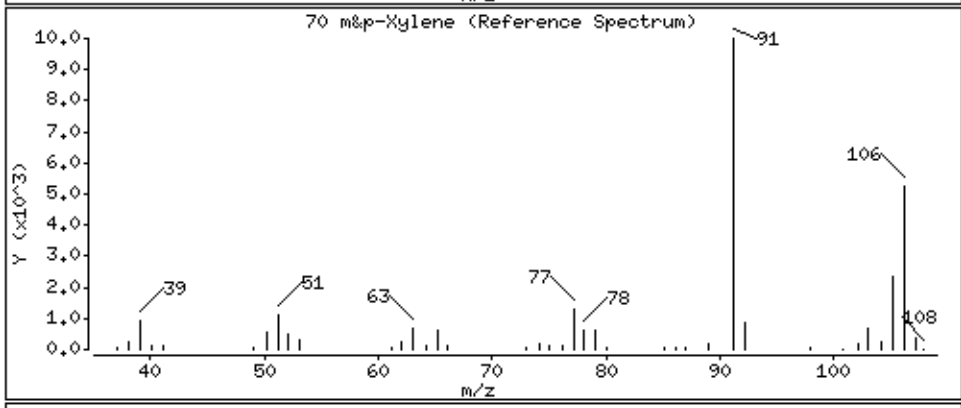
70 m&p-Xylene

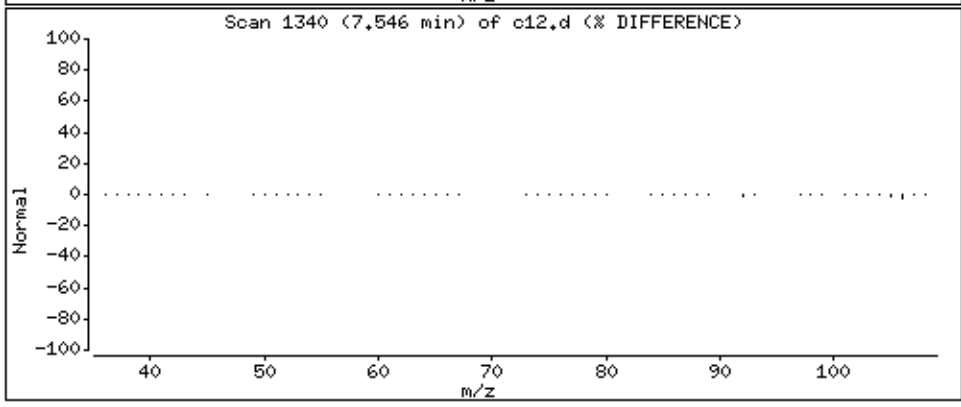
Concentration: 54.3 ppb

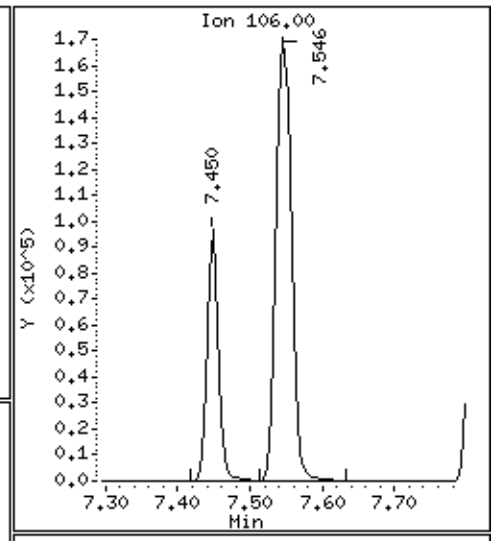
Review Code:

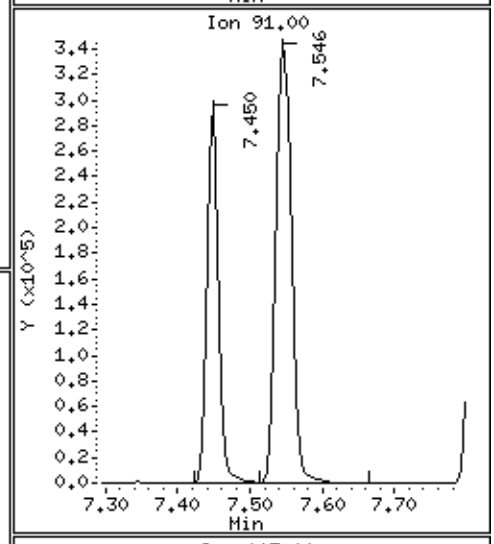


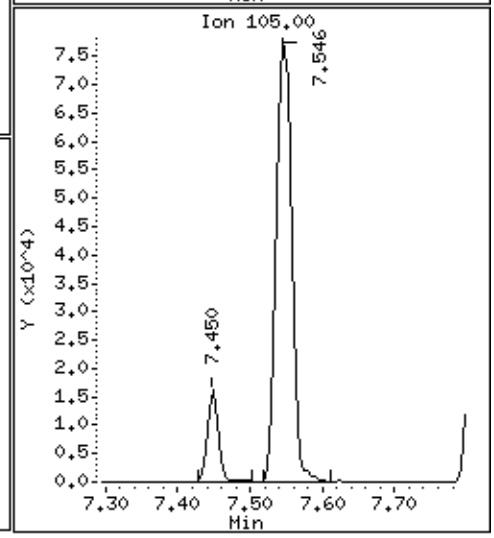












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

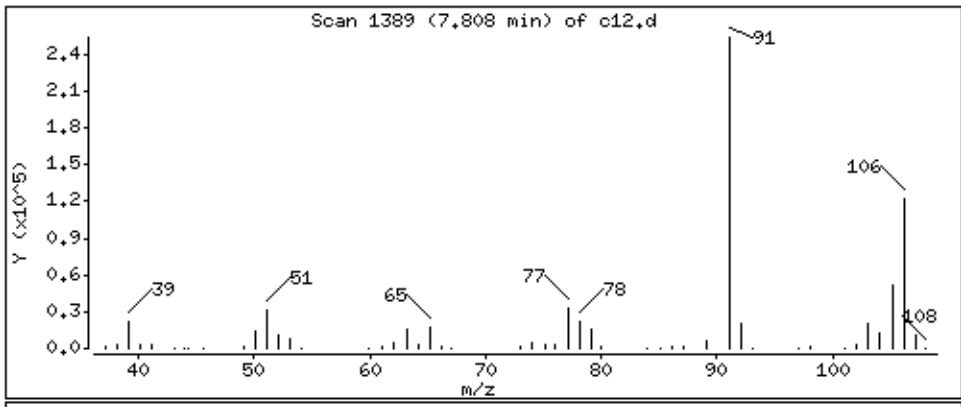
Column phase: DB-624

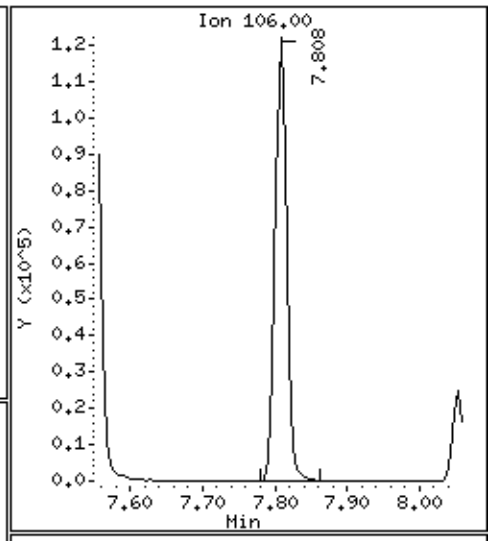
Column diameter: 0.18

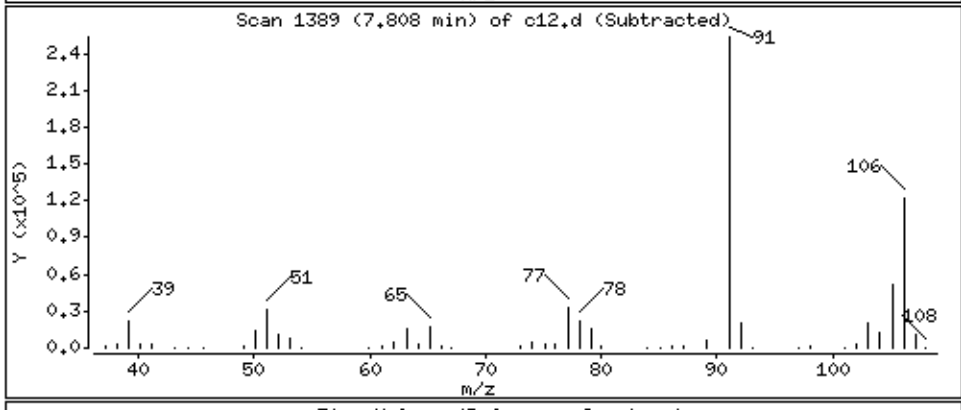
71 o-Xylene

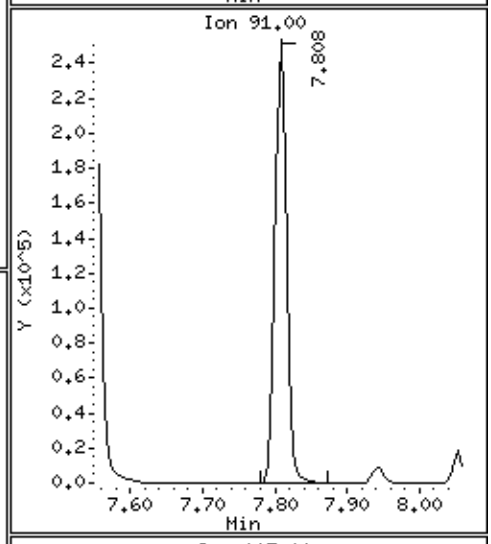
Concentration: 30.6 ppb

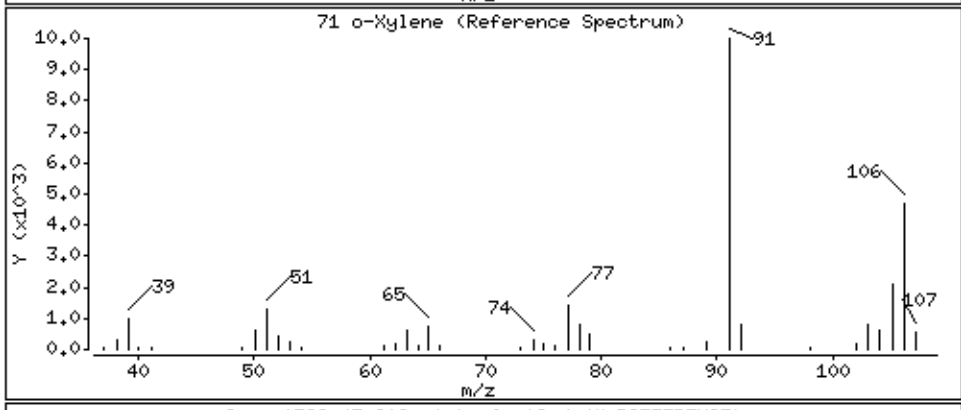
Review Code:

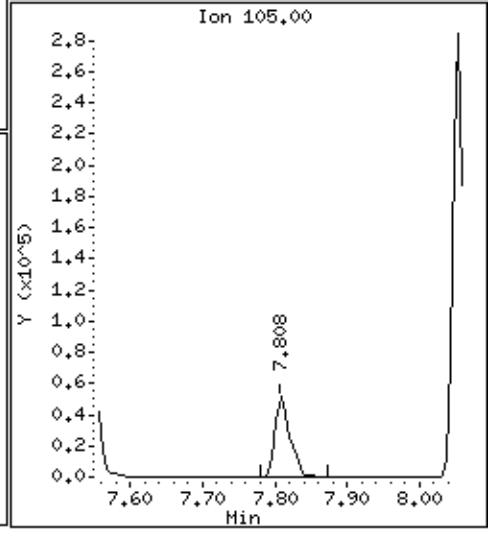


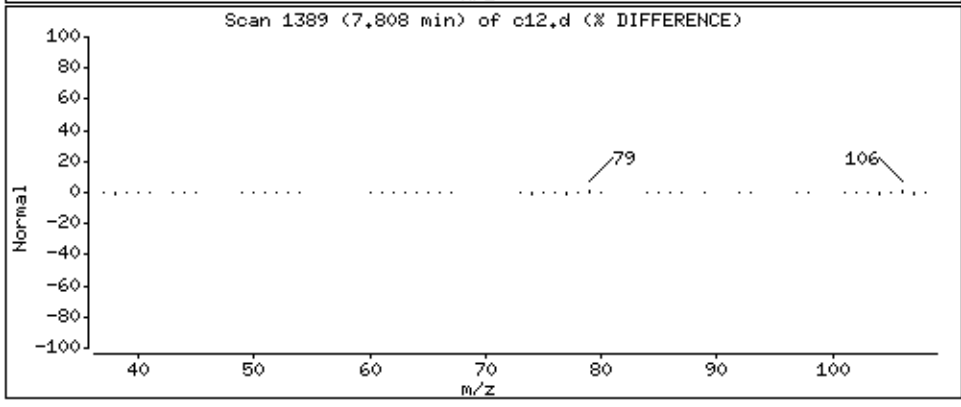












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

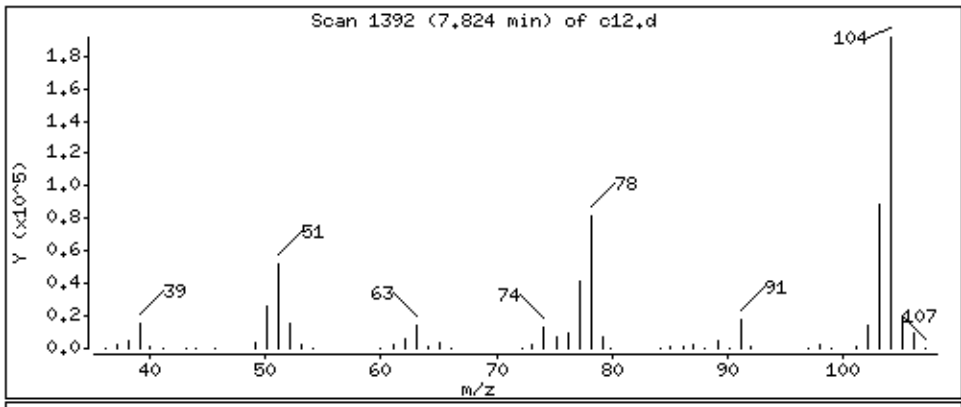
Column phase: DB-624

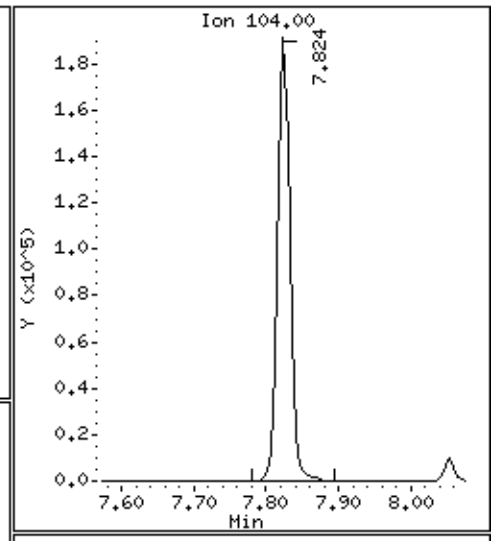
Column diameter: 0.18

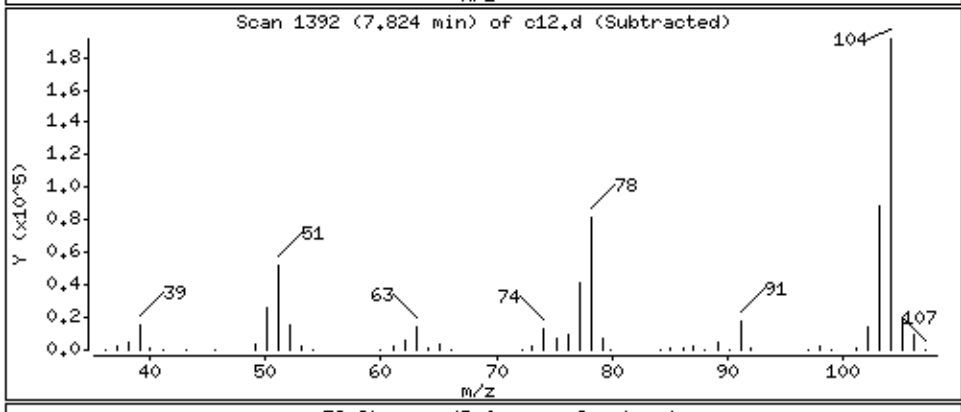
72 Styrene

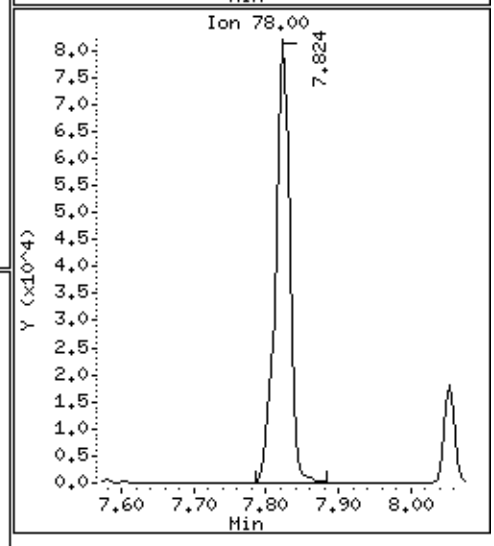
Concentration: 31.9 ppb

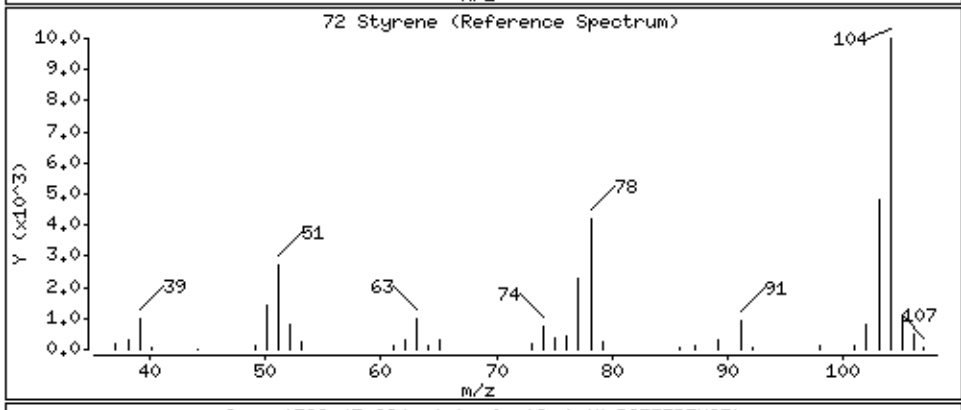
Review Code:

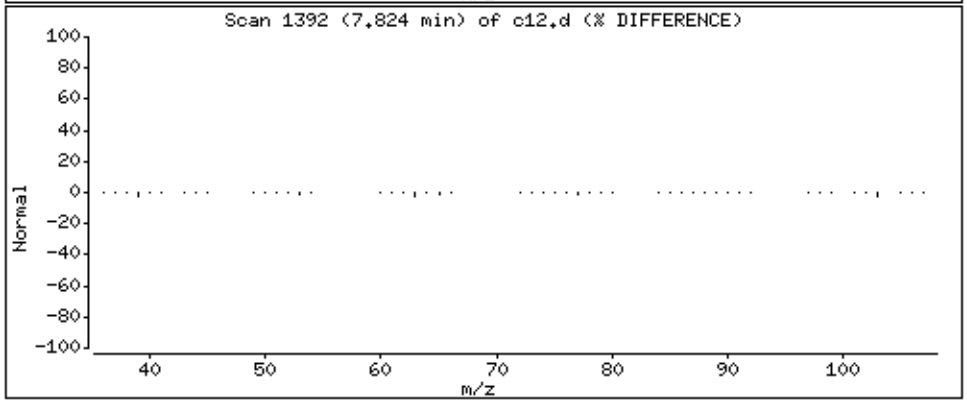












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

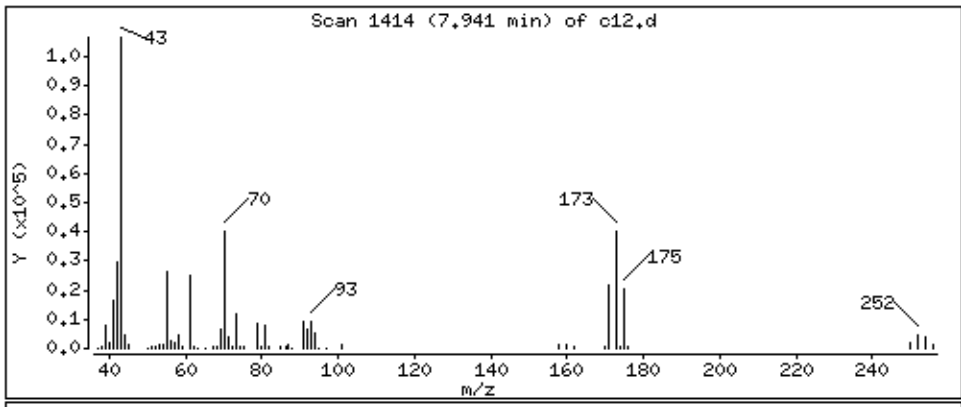
Column phase: DB-624

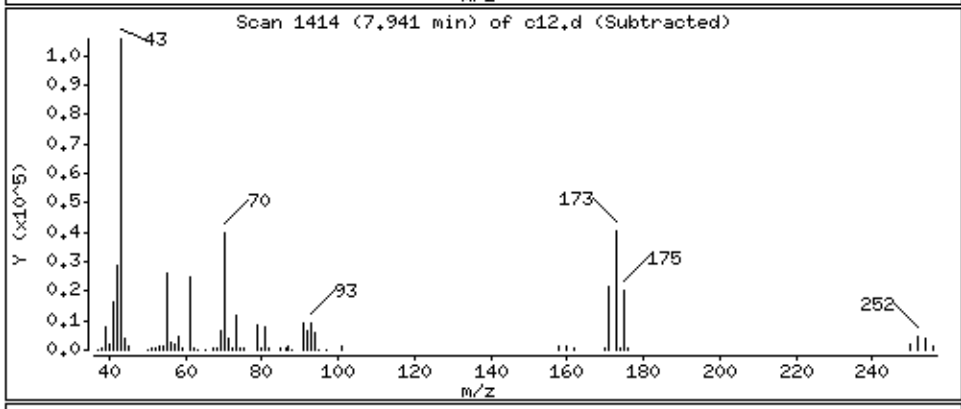
Column diameter: 0.18

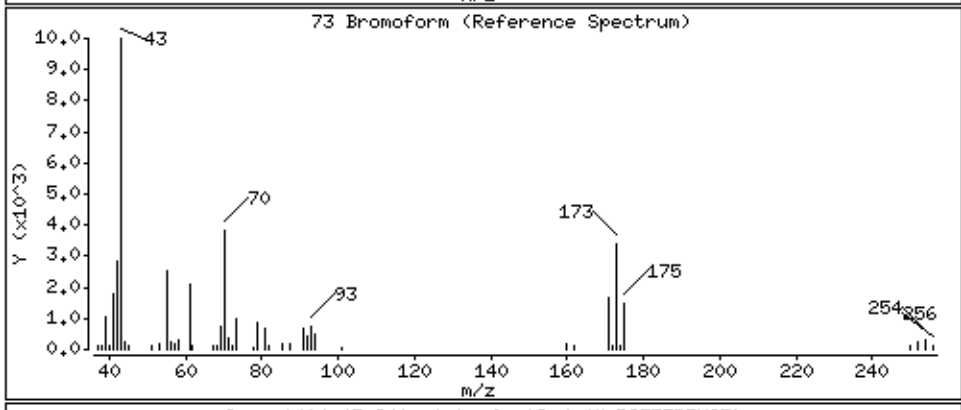
73 Bromoform

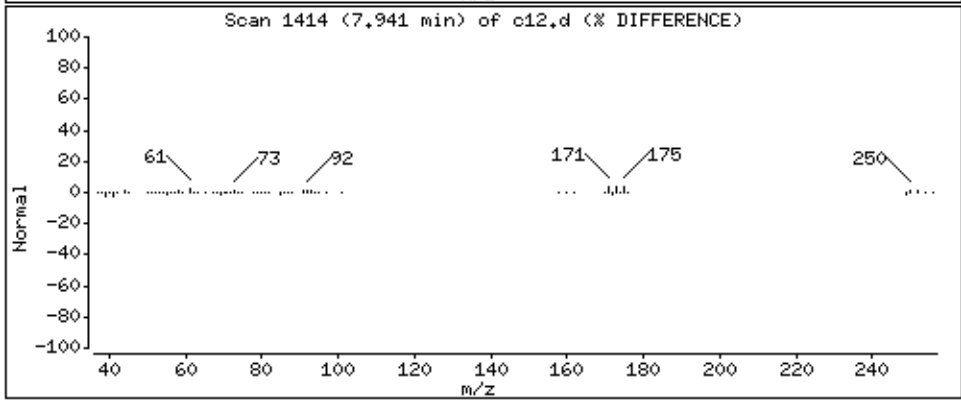
Concentration: 46.3 ppb

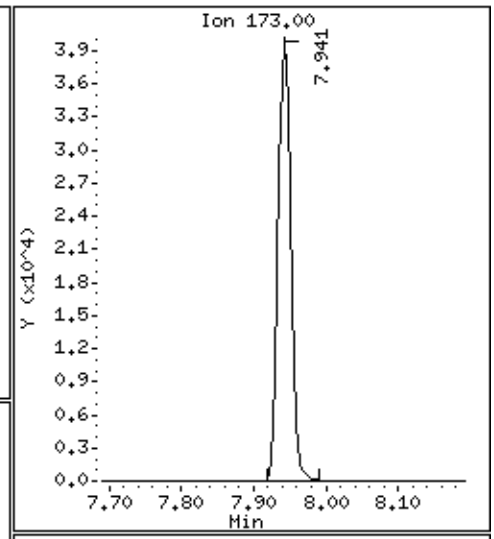
Review Code:

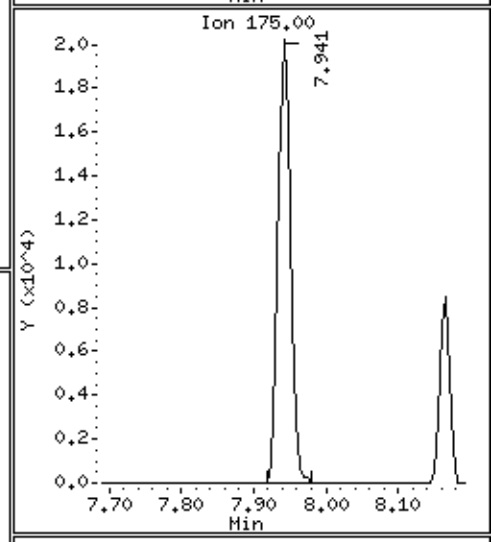


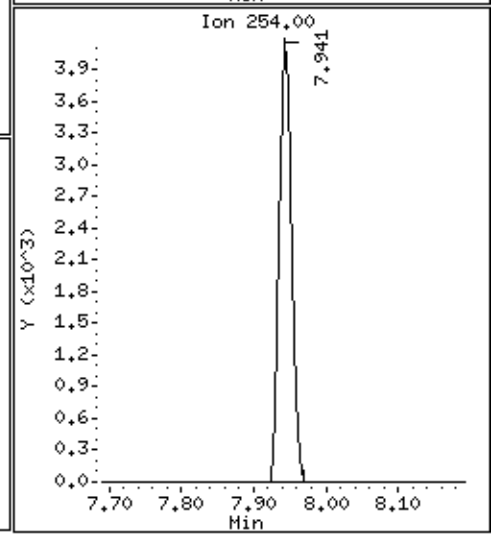












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

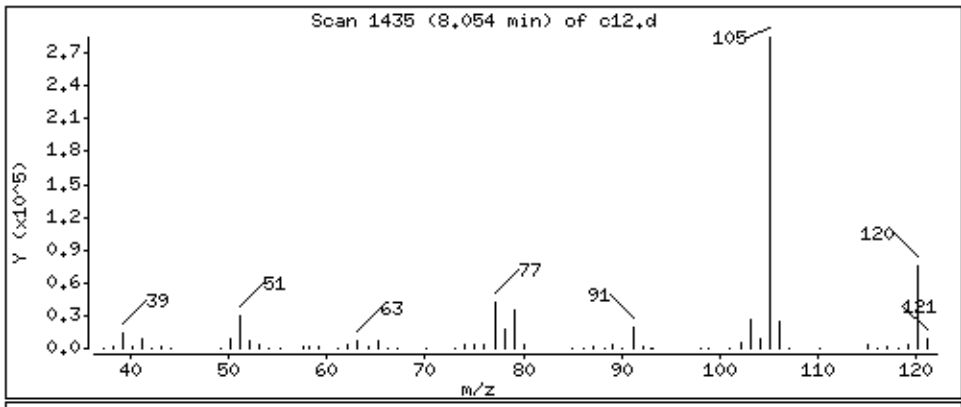
Column phase: DB-624

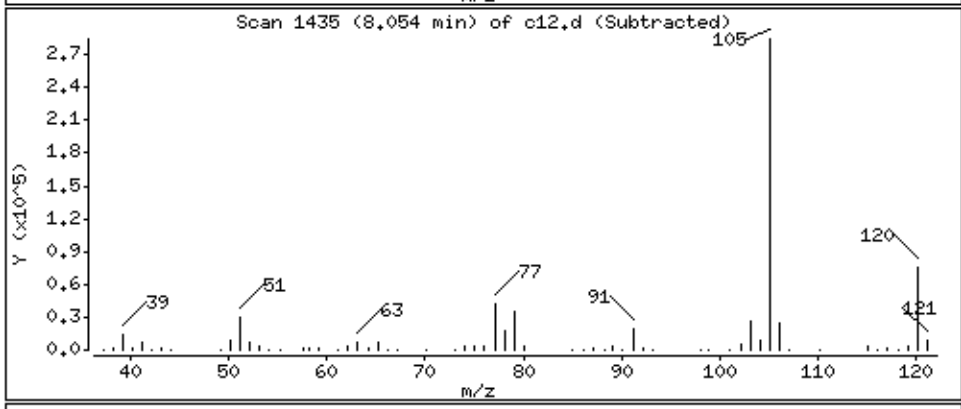
Column diameter: 0.18

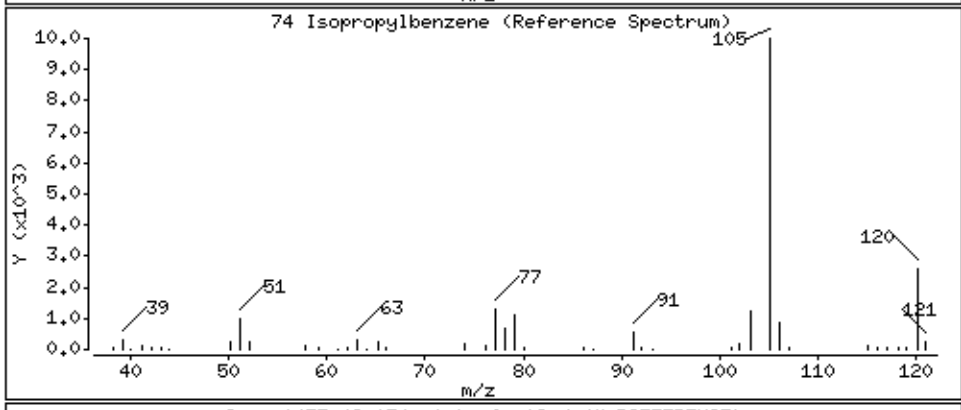
74 Isopropylbenzene

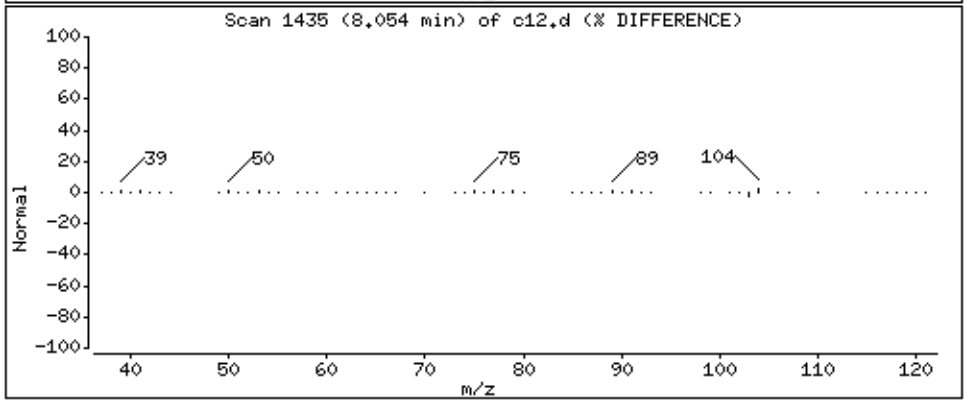
Concentration: 25.0 ppb

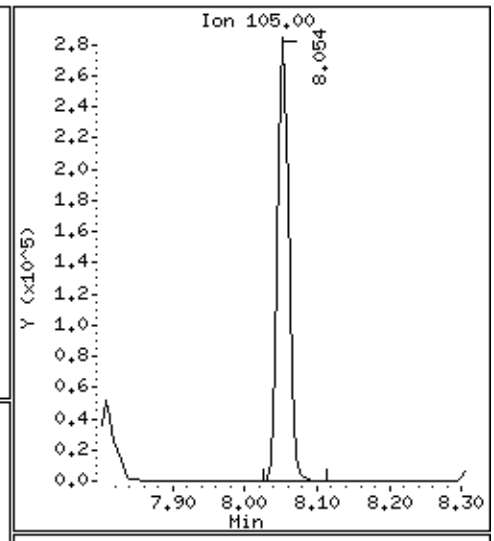
Review Code:

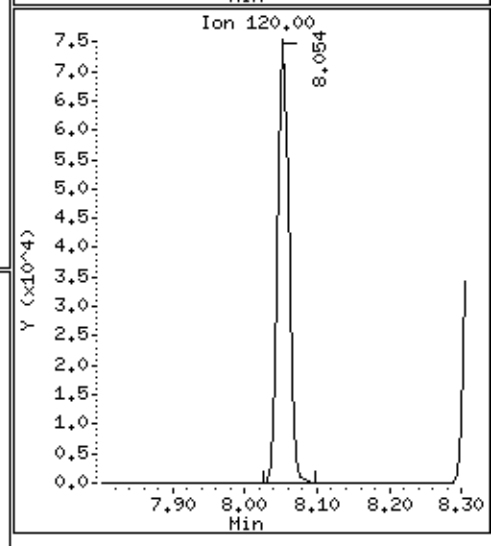












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

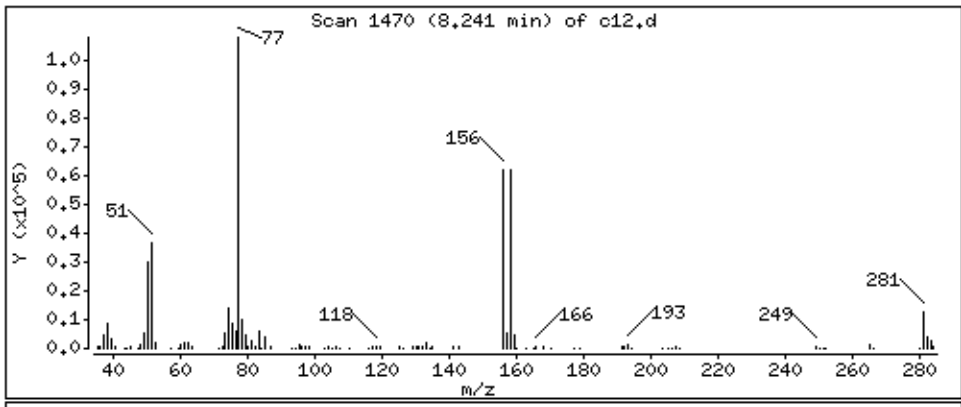
Column phase: DB-624

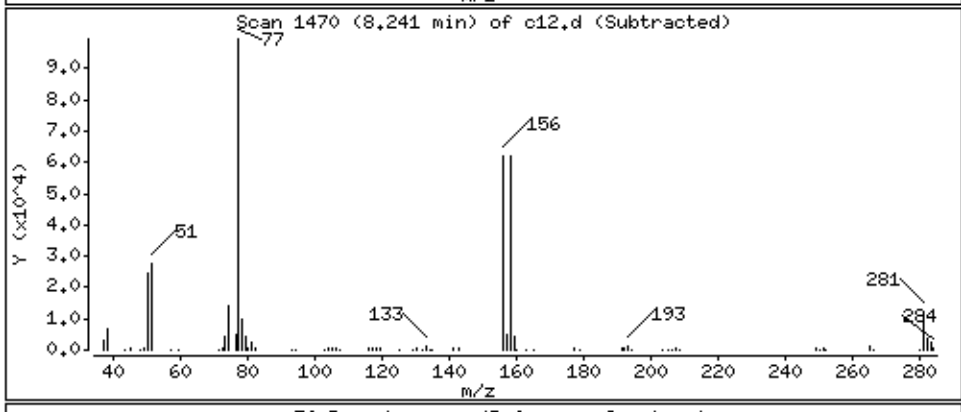
Column diameter: 0.18

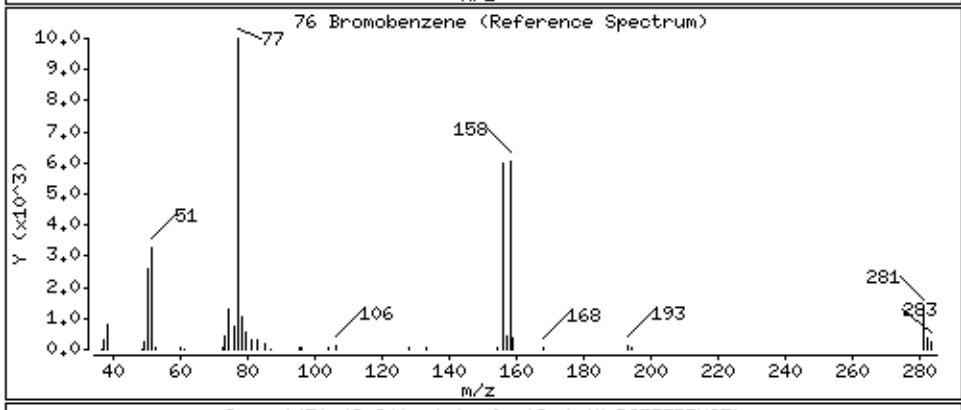
76 Bromobenzene

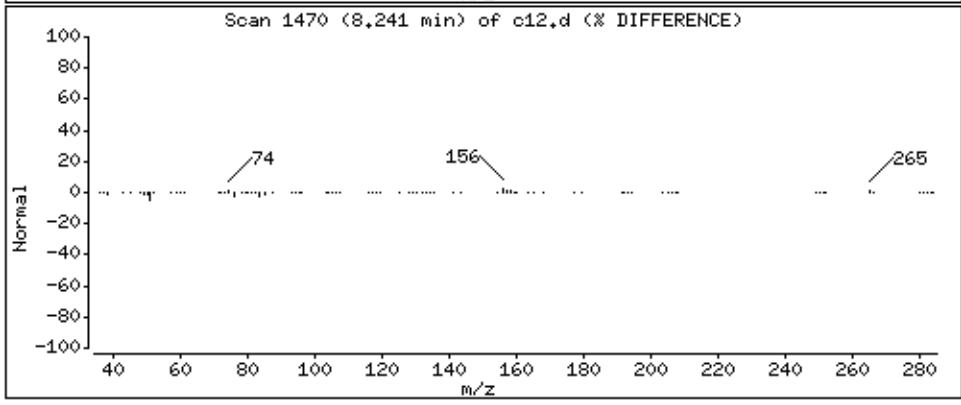
Concentration: 32.5 ppb

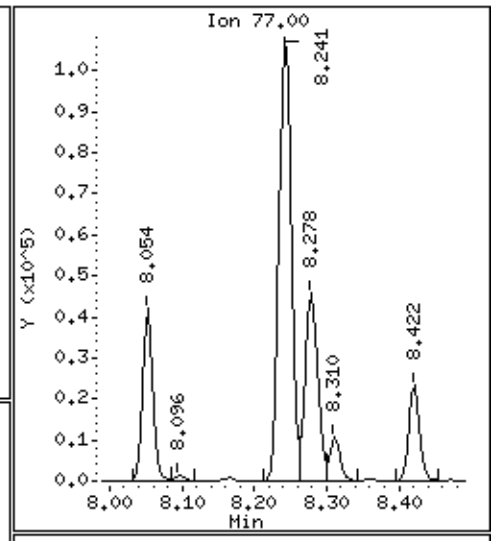
Review Code:

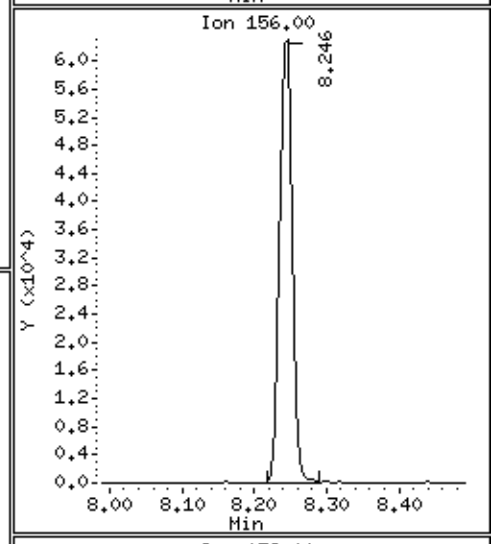


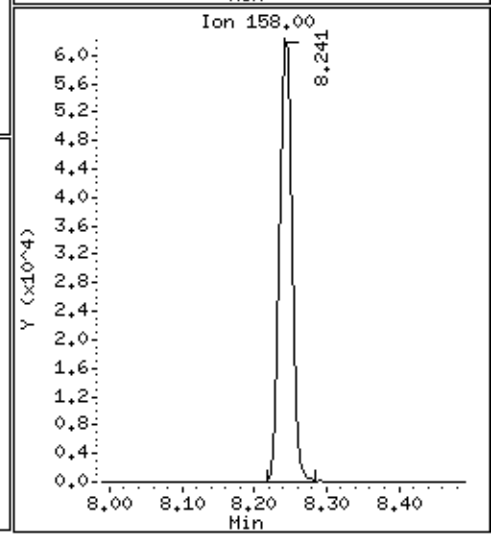












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

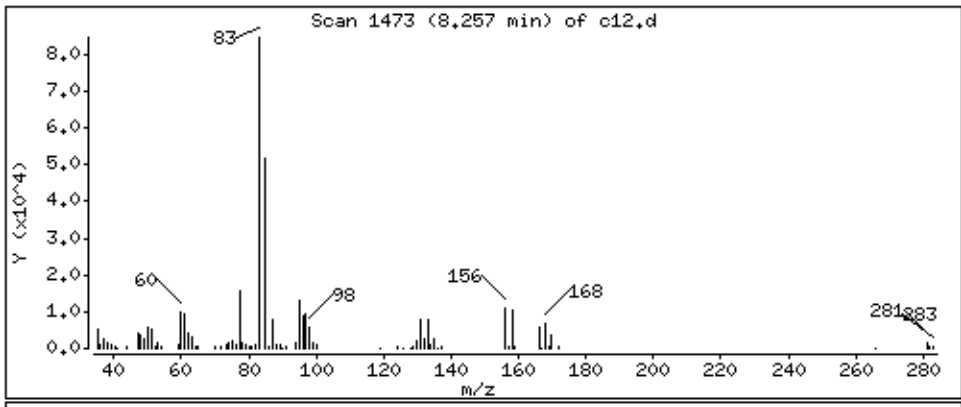
Column phase: DB-624

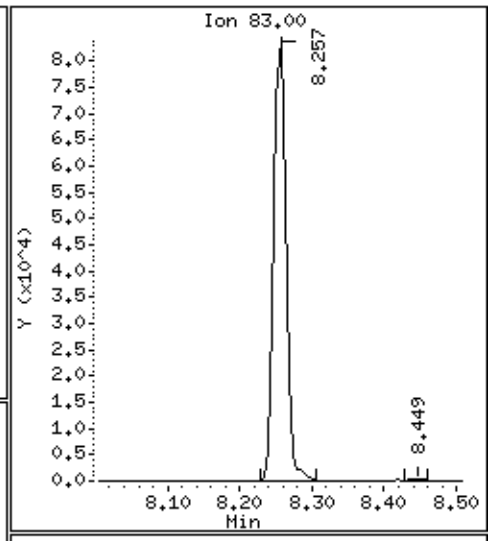
Column diameter: 0.18

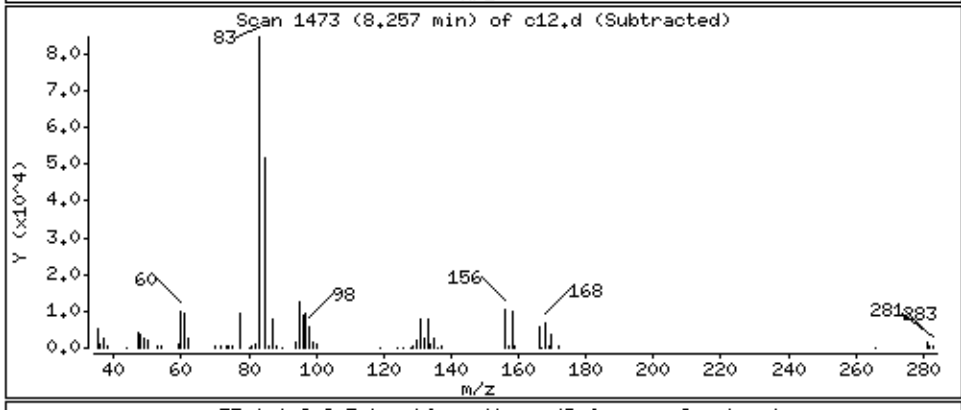
77 1,1,2,2-Tetrachloroethane

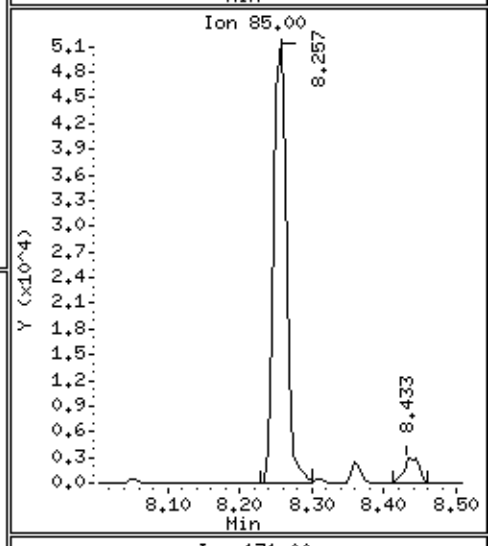
Concentration: 51.8 ppb

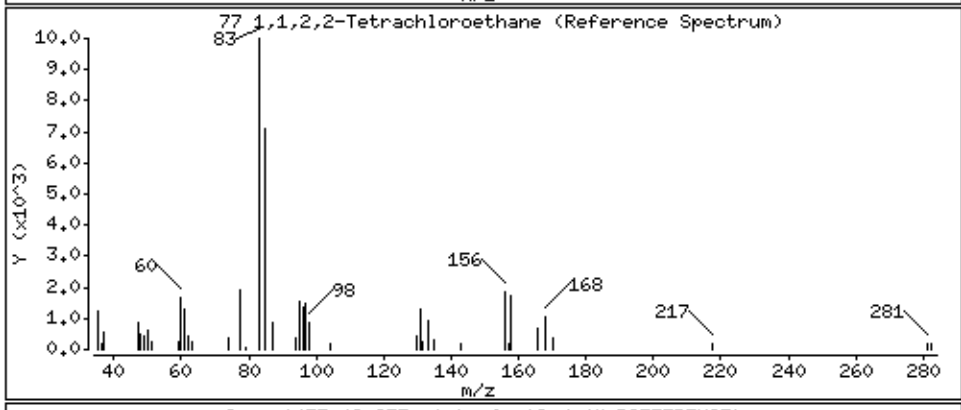
Review Code:

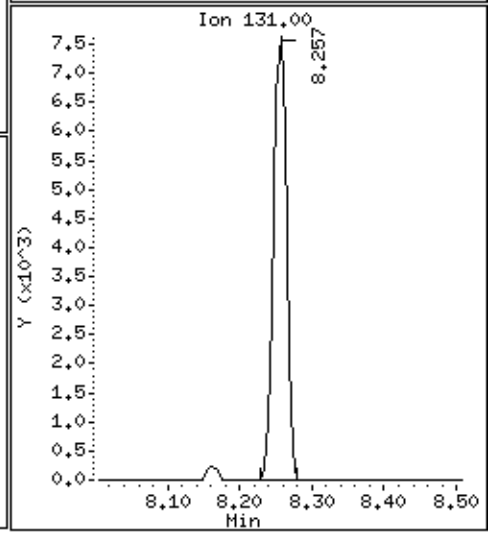


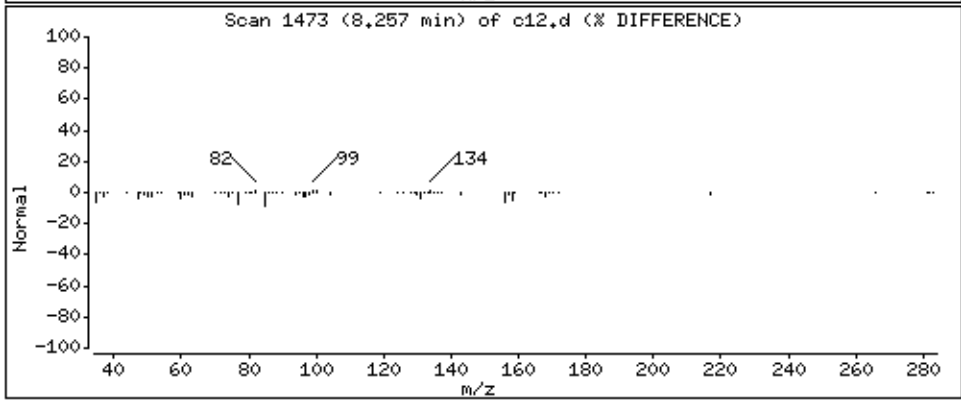












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

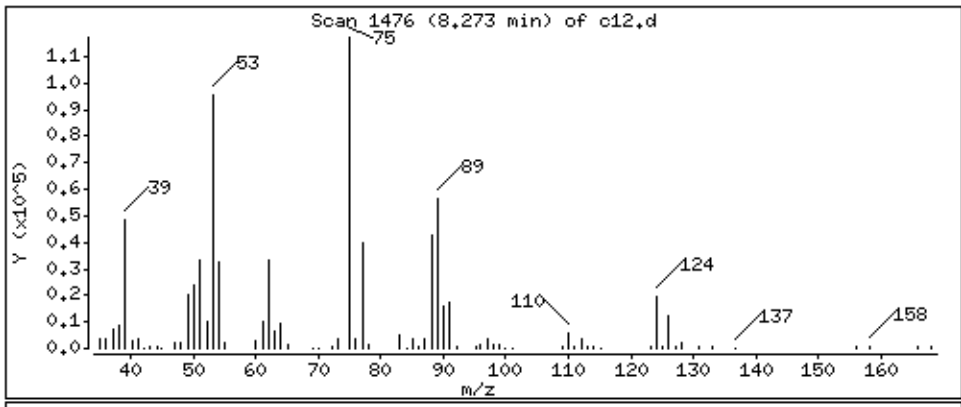
Column phase: DB-624

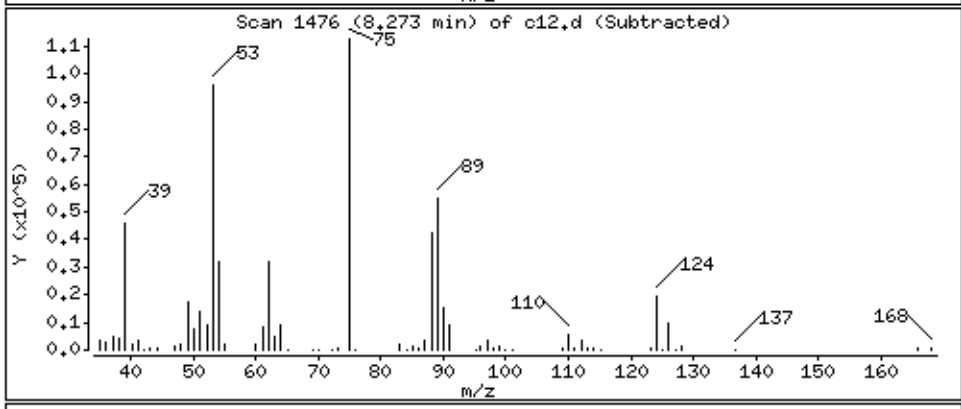
Column diameter: 0.18

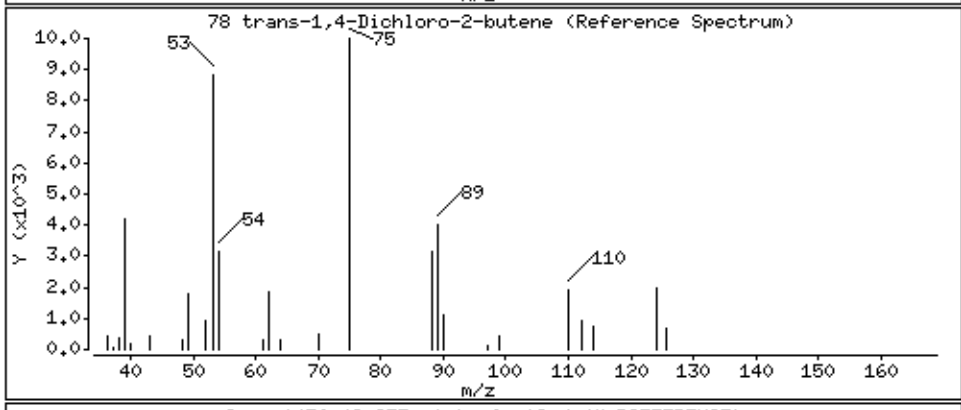
78 trans-1,4-Dichloro-2-butene

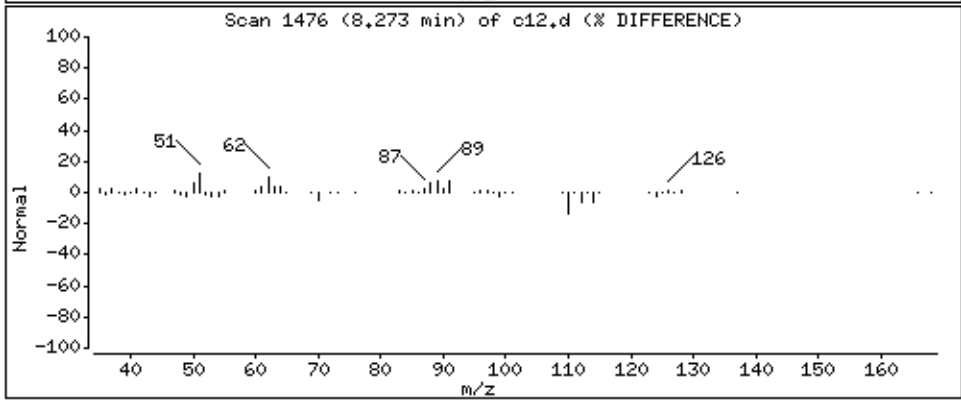
Concentration: 192 ppb

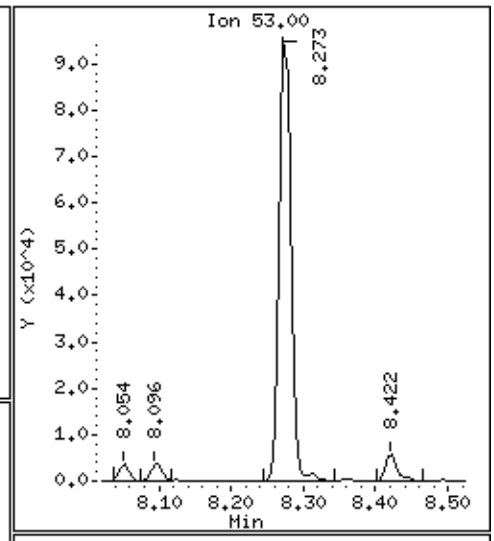
Review Code:

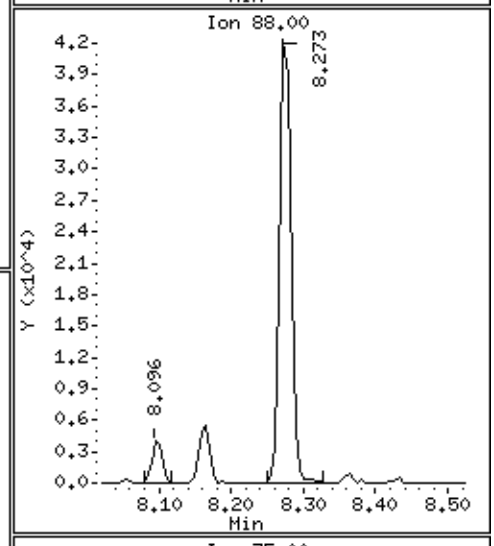


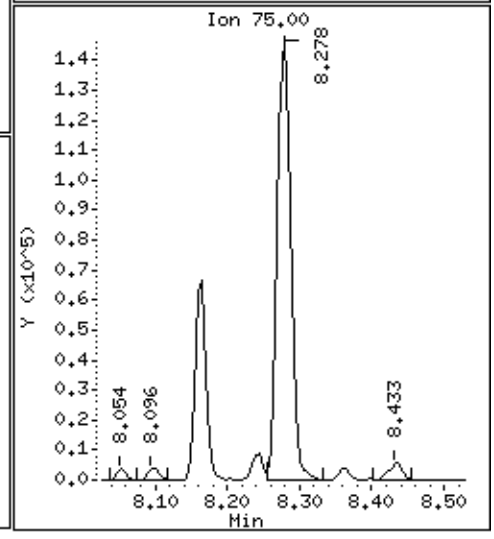












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

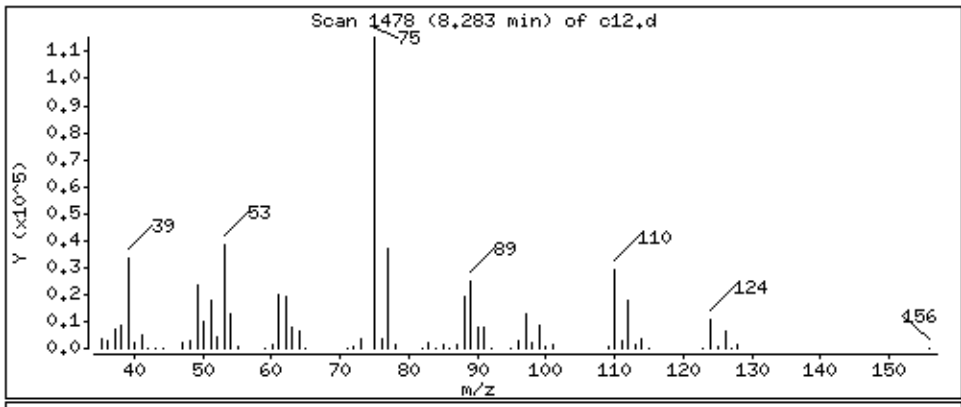
Column phase: DB-624

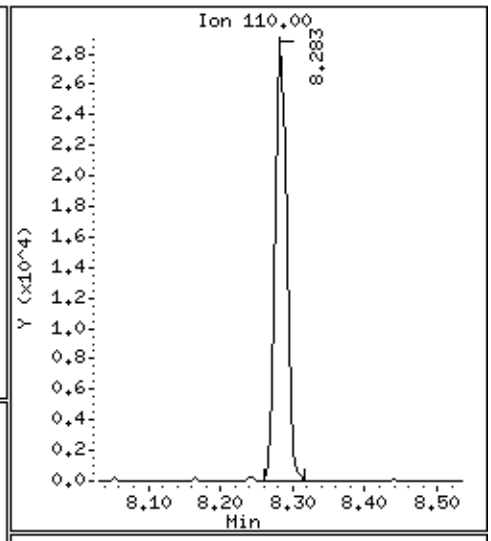
Column diameter: 0.18

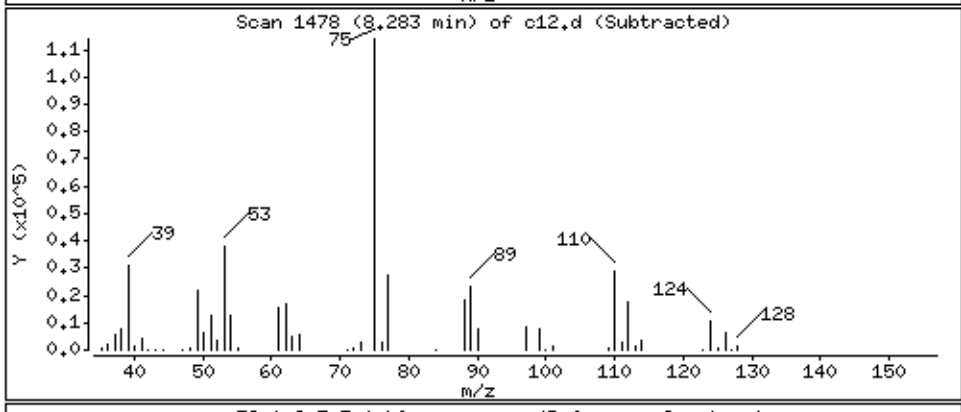
79 1,2,3-Trichloropropane

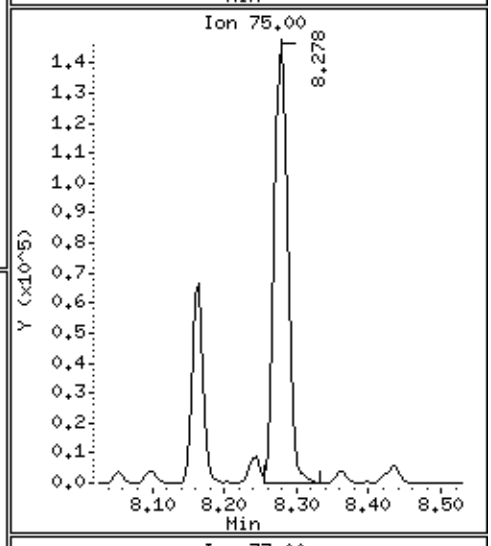
Concentration: 51.6 ppb

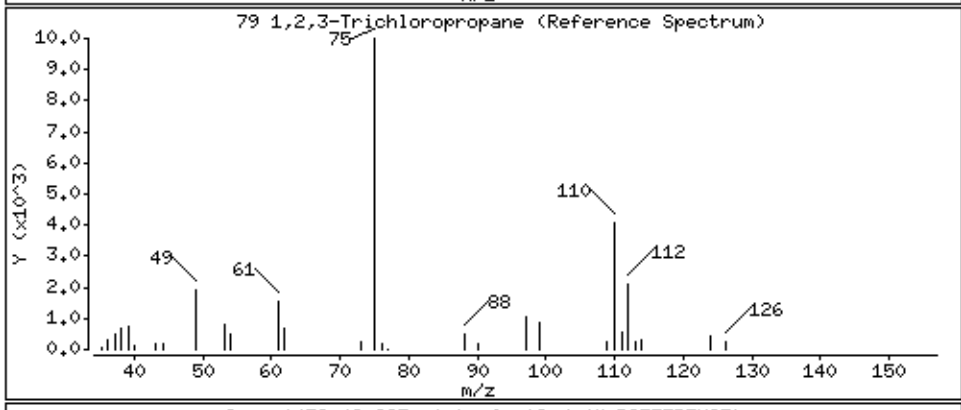
Review Code:

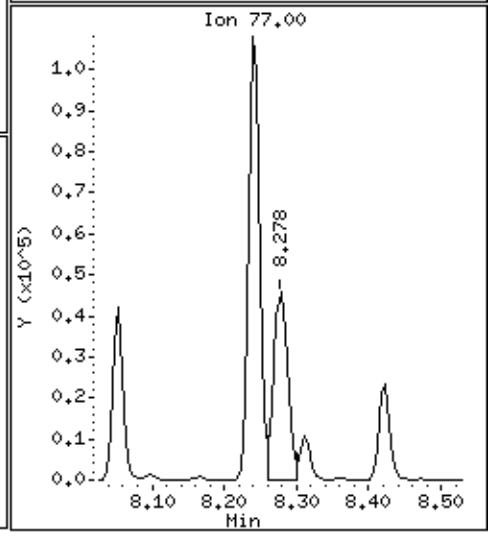


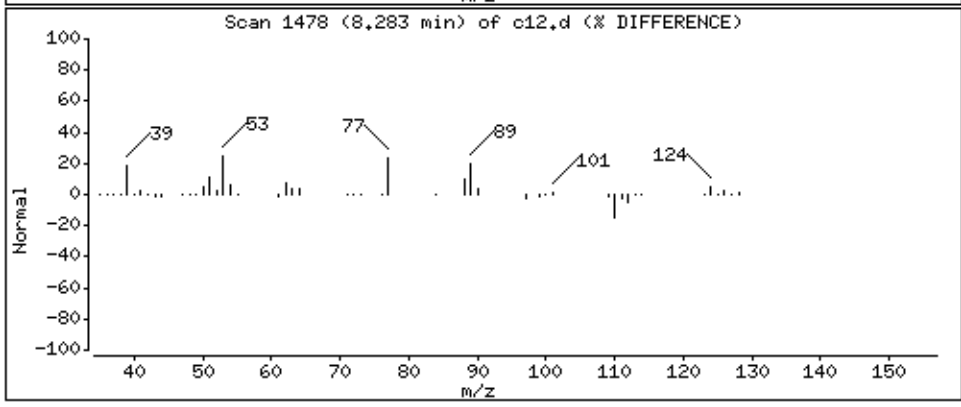












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

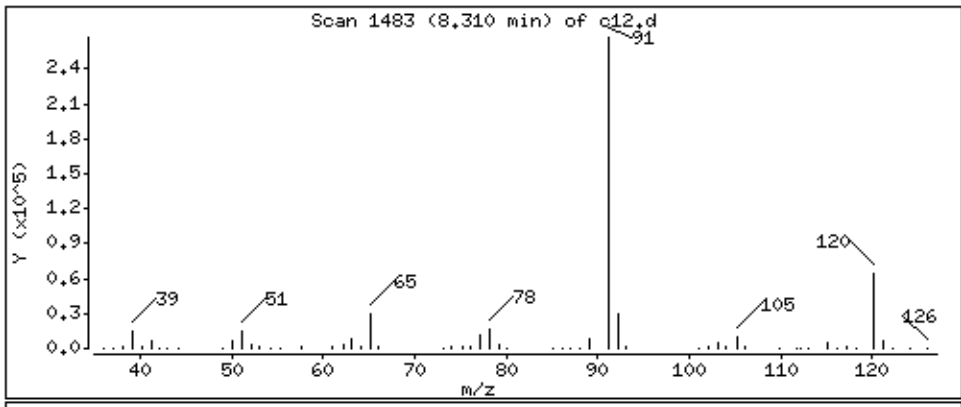
Column phase: DB-624

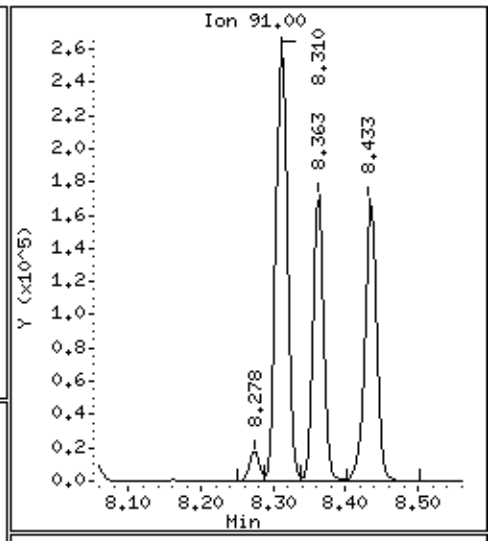
Column diameter: 0.18

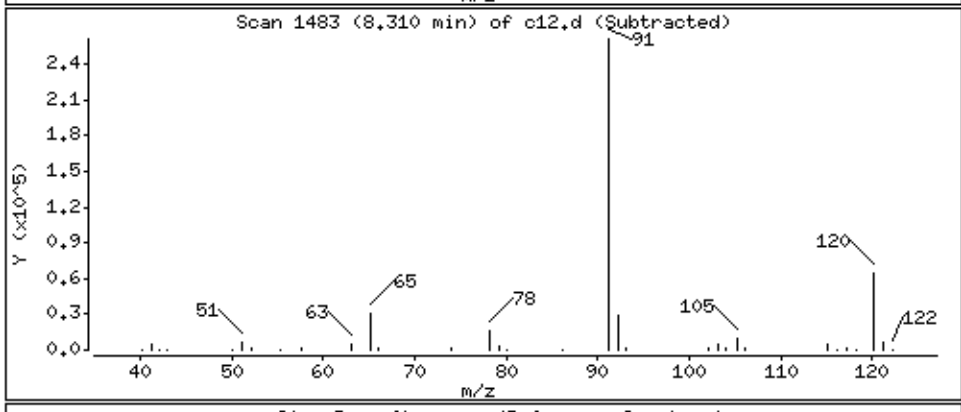
80 n-Propylbenzene

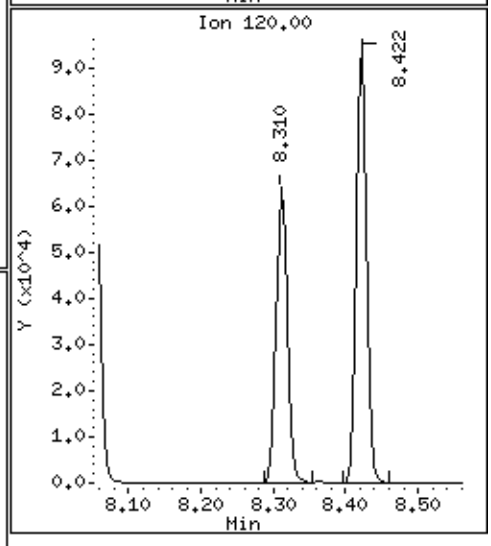
Concentration: 21.1 ppb

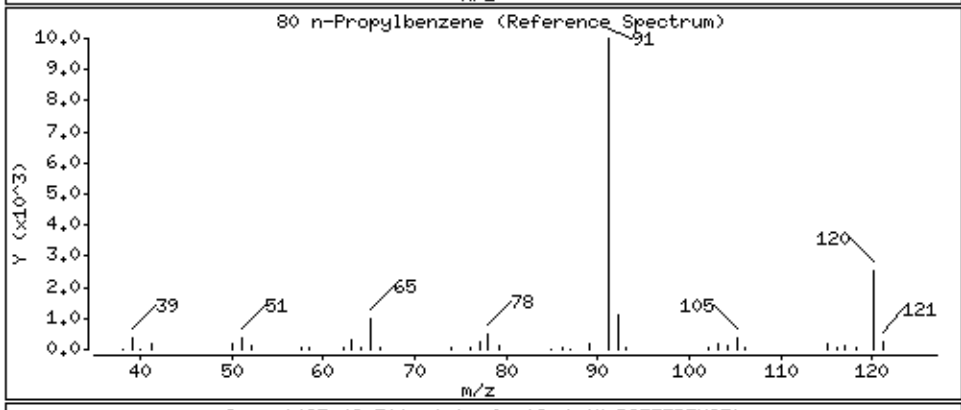
Review Code:

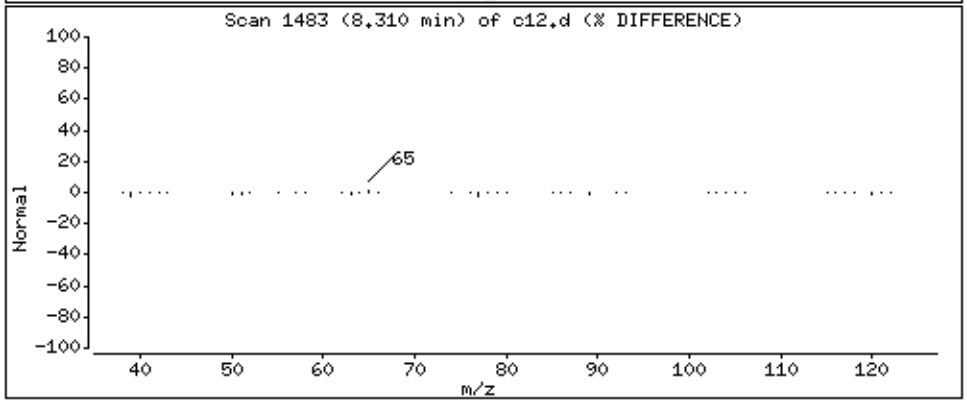












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

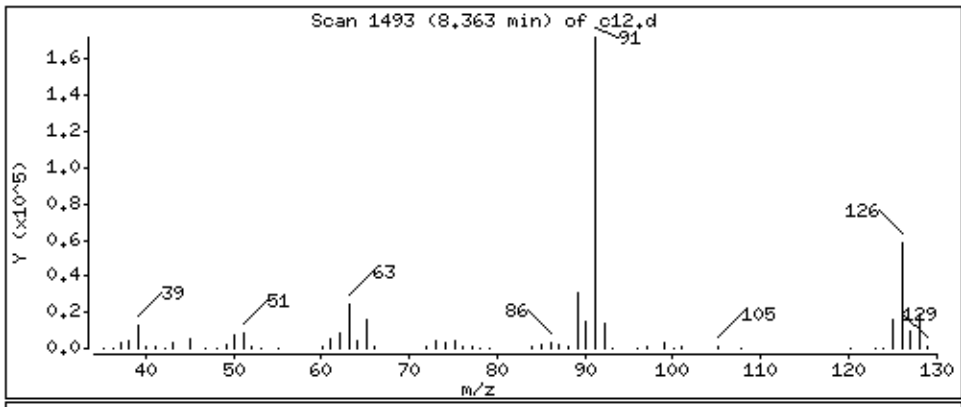
Column phase: DB-624

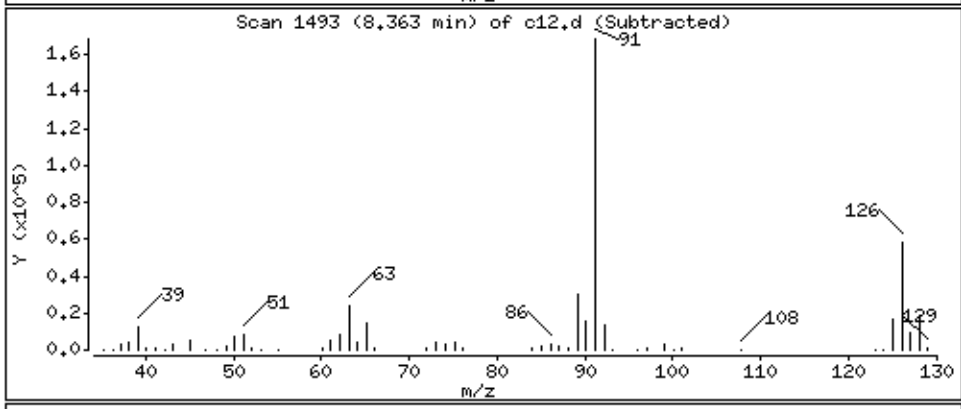
Column diameter: 0.18

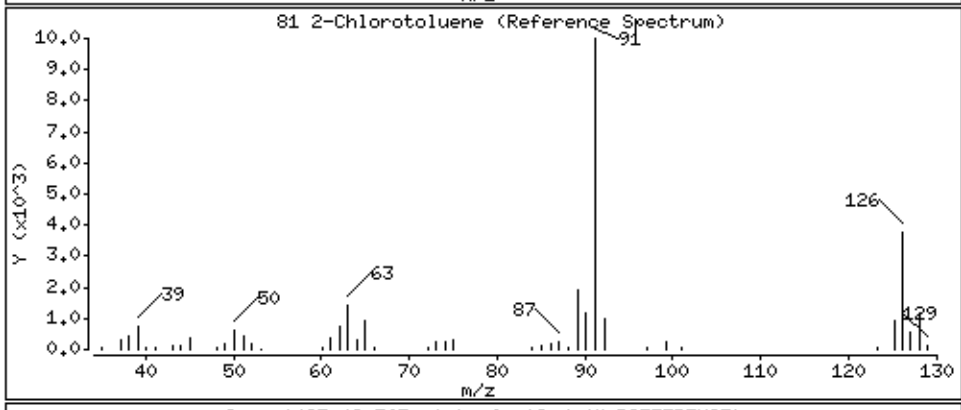
81 2-Chlorotoluene

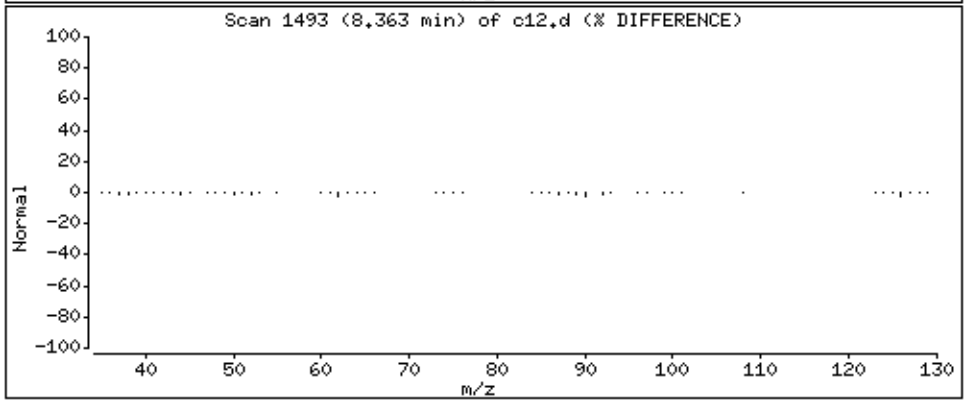
Concentration: 25.8 ppb

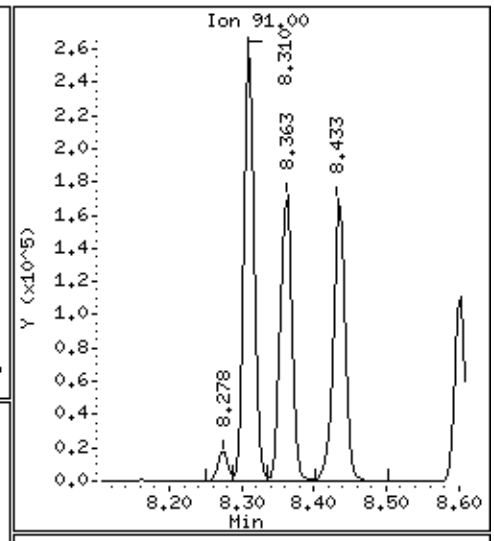
Review Code:

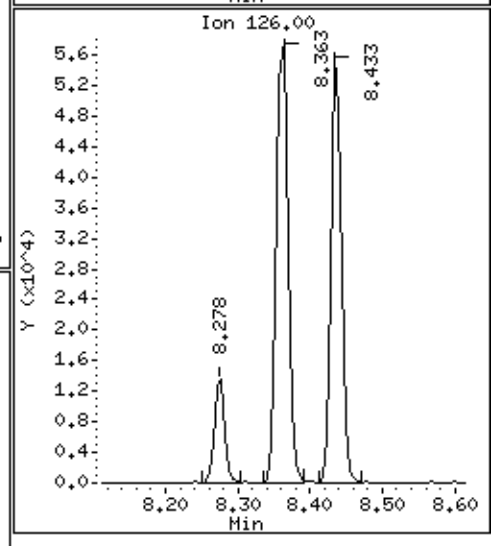












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

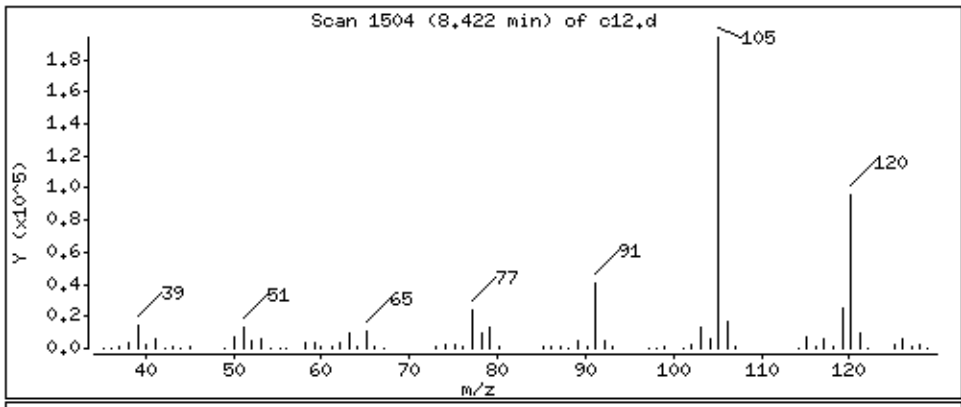
Column phase: DB-624

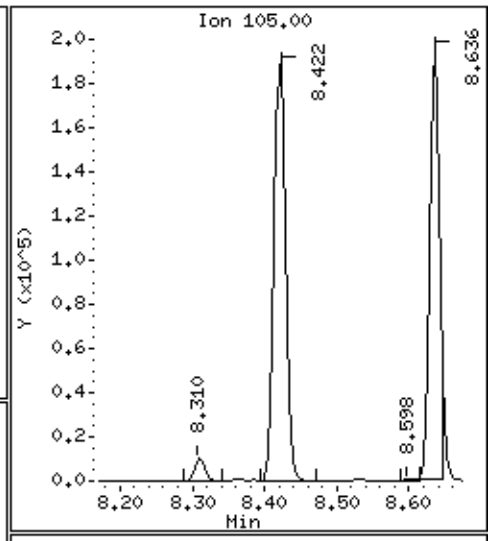
Column diameter: 0.18

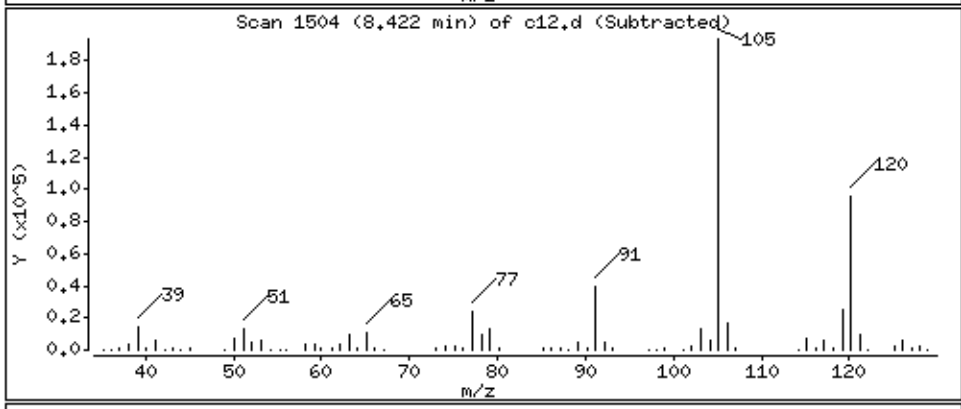
82 1,3,5-Trimethylbenzene

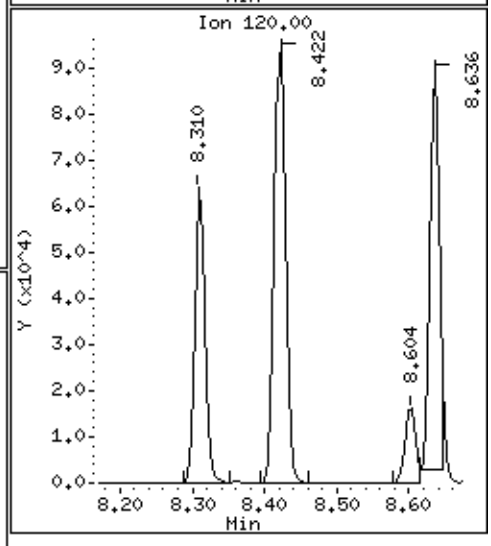
Concentration: 22.7 ppb

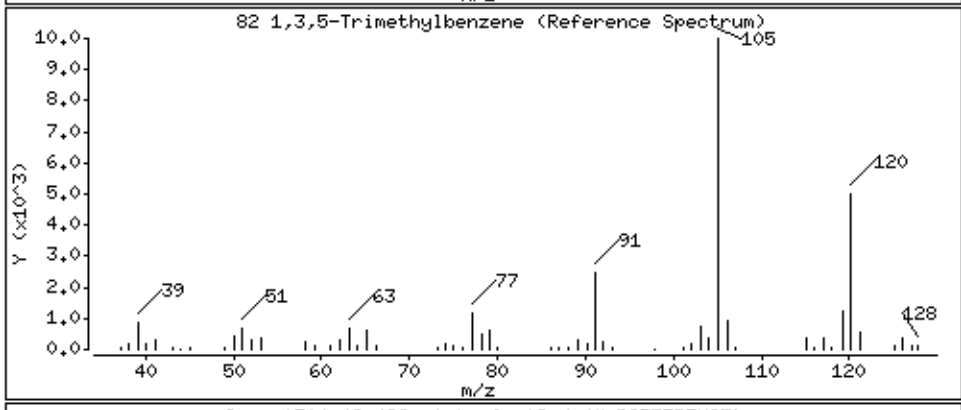
Review Code:

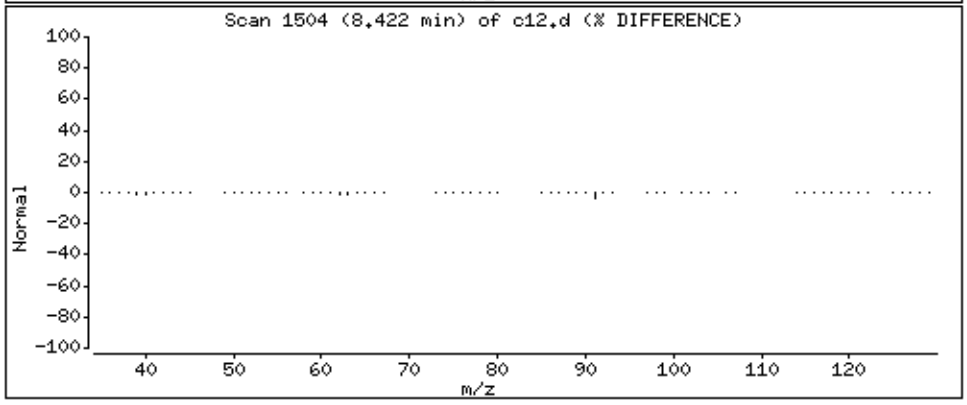












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

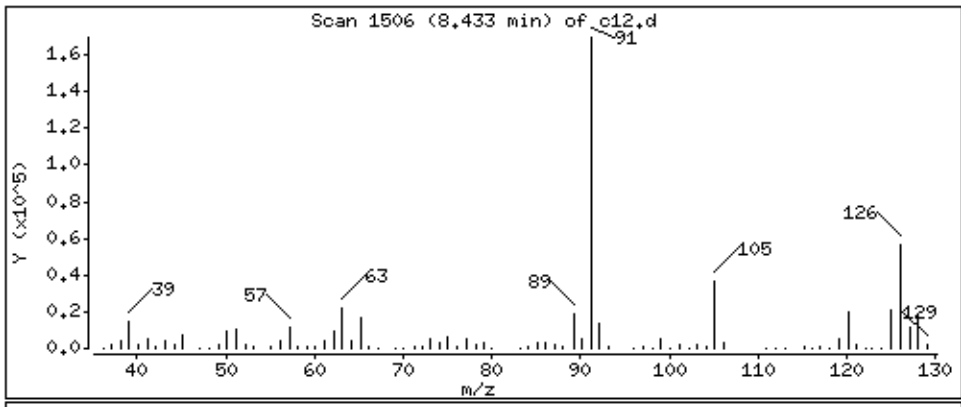
Column phase: DB-624

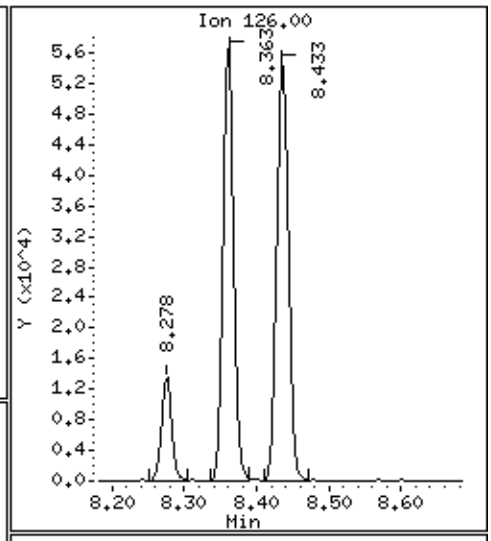
Column diameter: 0.18

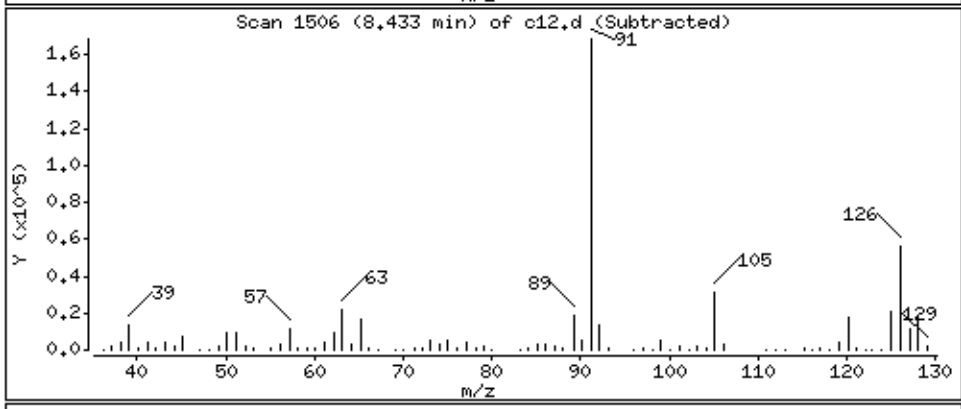
83 4-Chlorotoluene

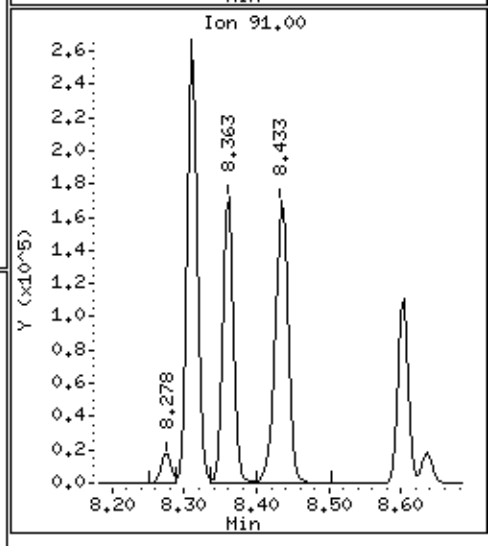
Concentration: 22.9 ppb

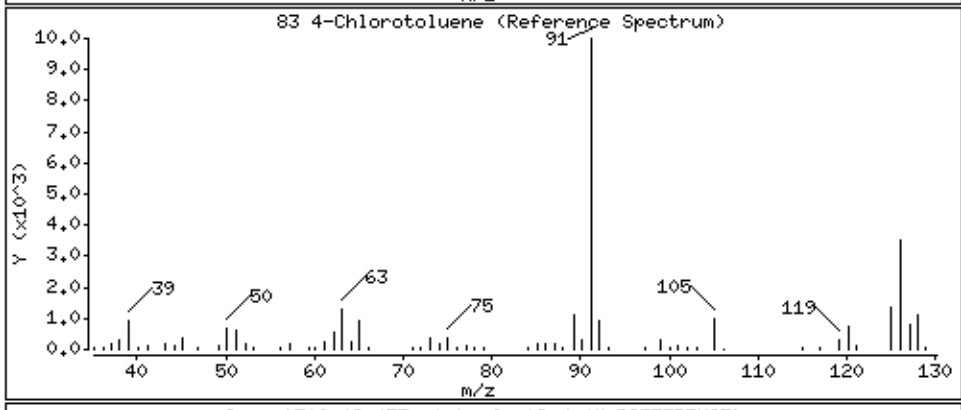
Review Code:

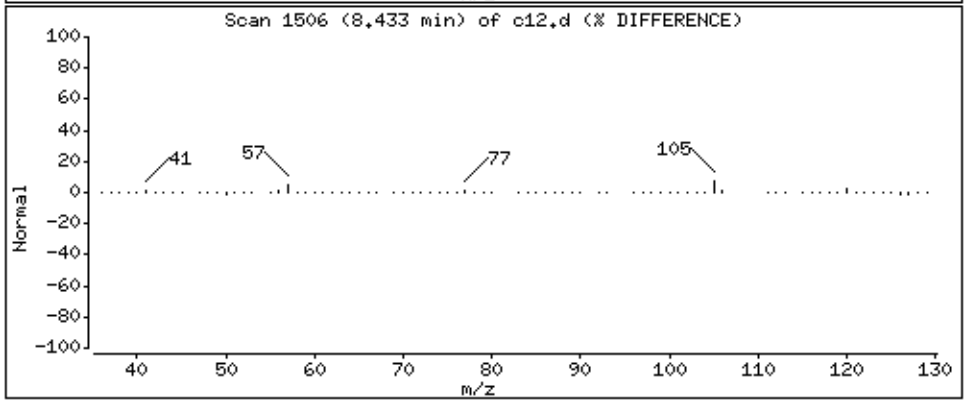












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

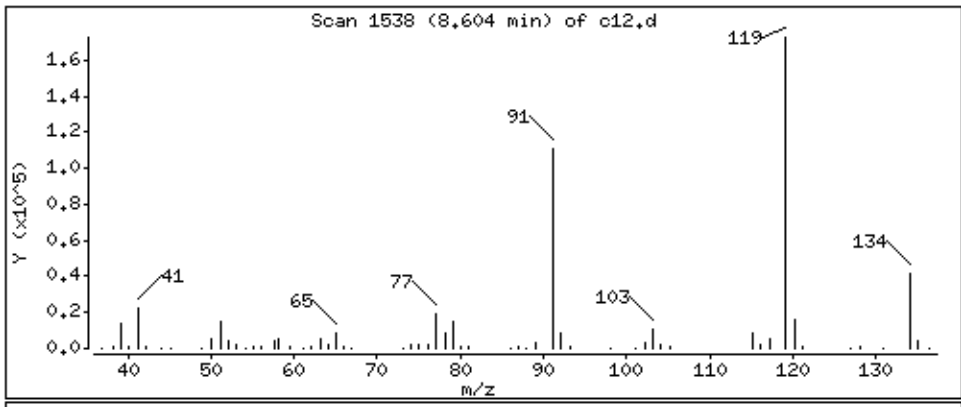
Column phase: DB-624

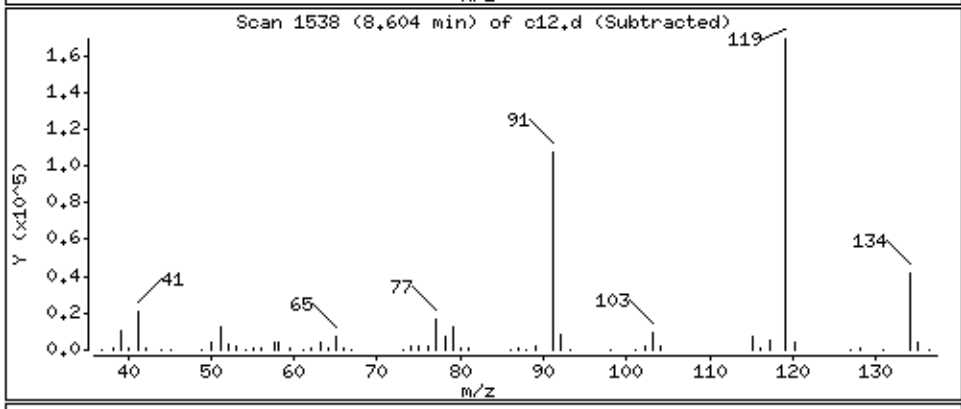
Column diameter: 0.18

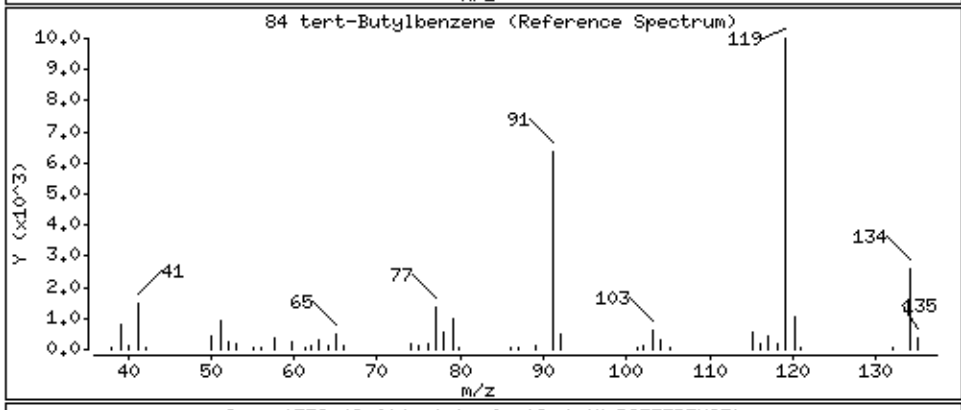
84 tert-Butylbenzene

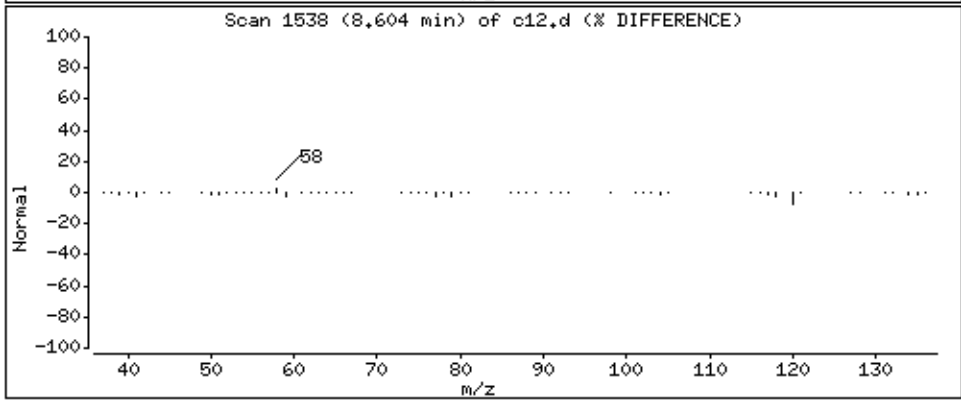
Concentration: 18.2 ppb

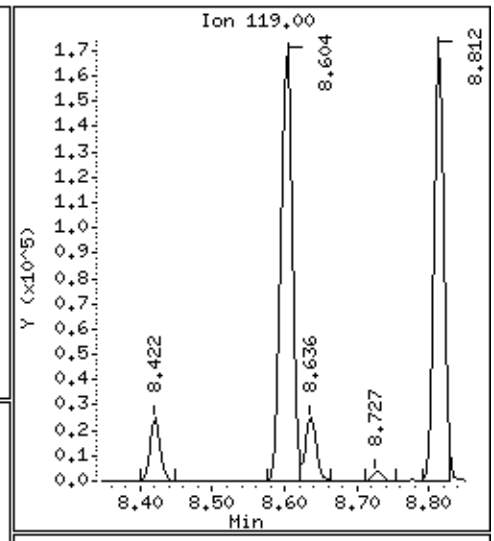
Review Code:

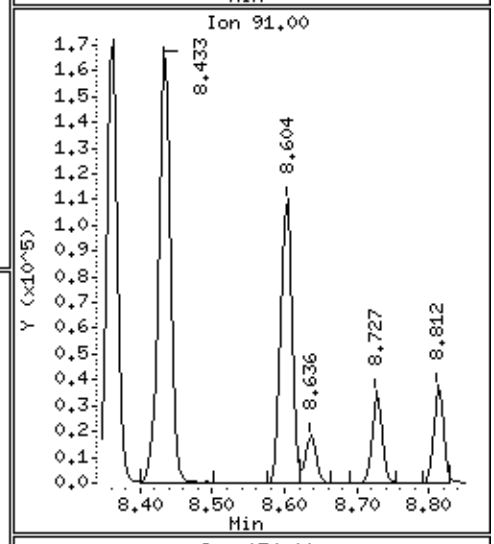


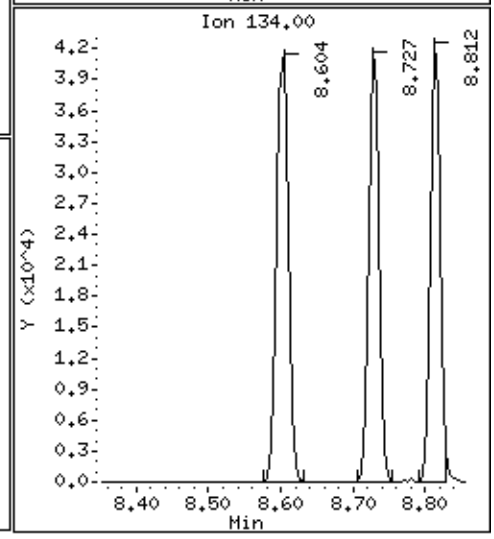












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

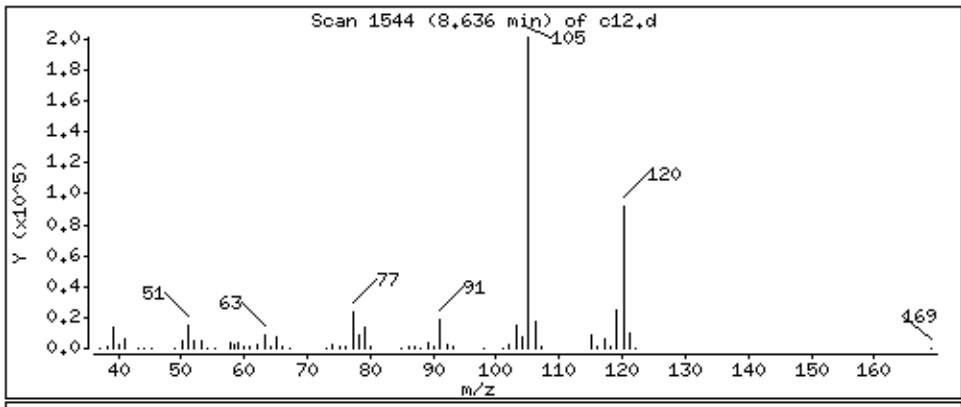
Column phase: DB-624

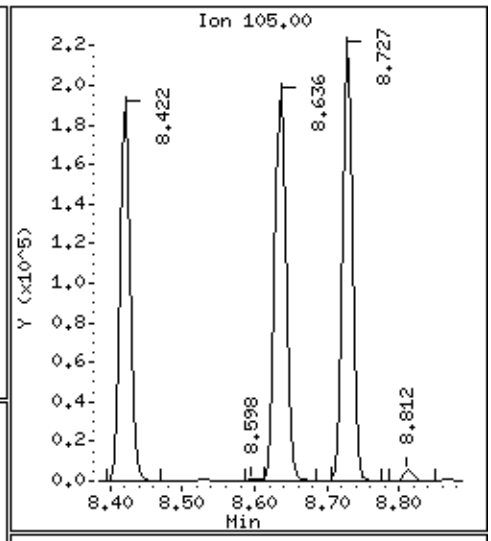
Column diameter: 0.18

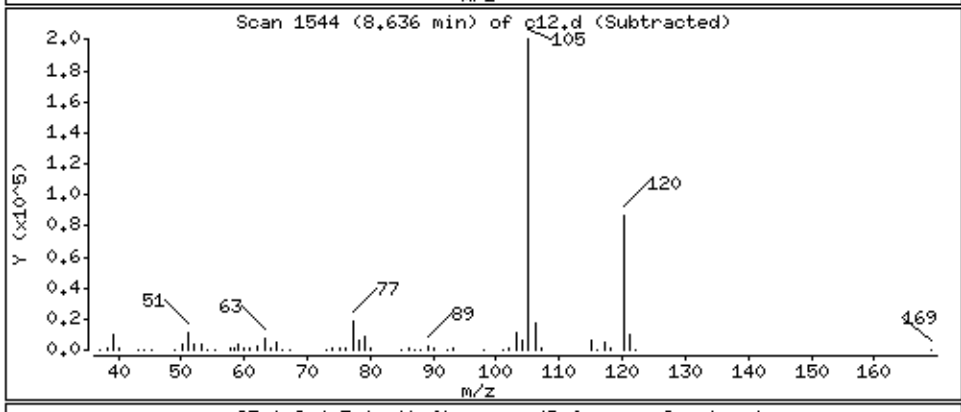
85 1,2,4-Trimethylbenzene

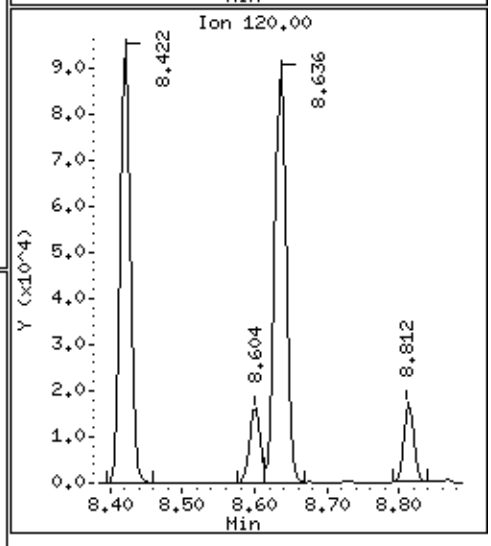
Concentration: 22.9 ppb

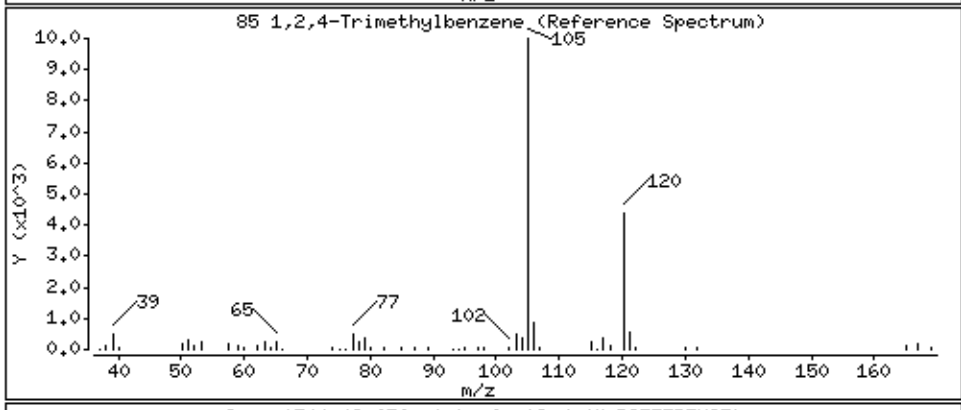
Review Code:

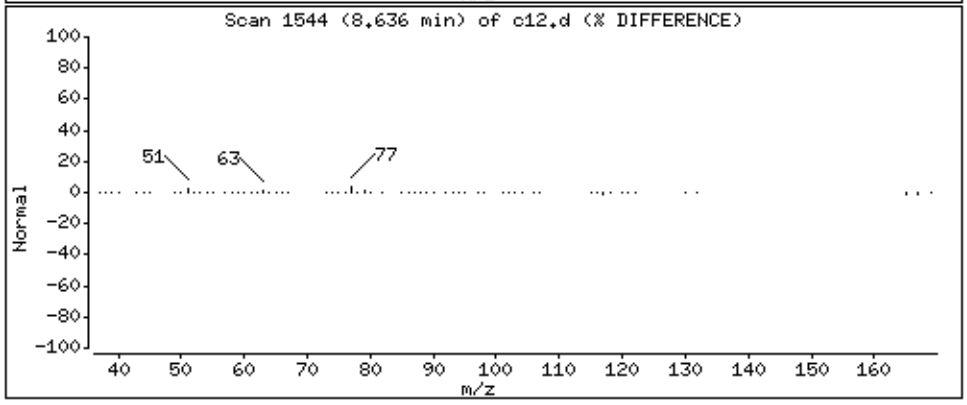












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

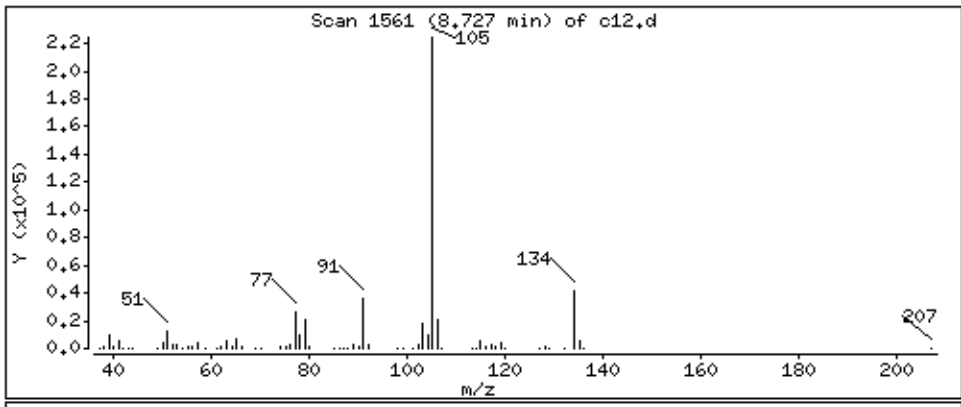
Column phase: DB-624

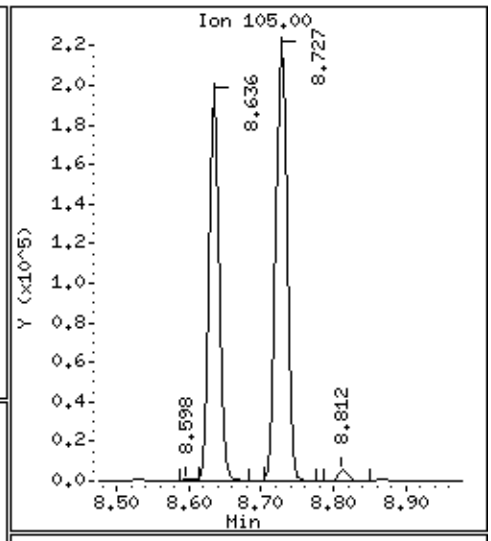
Column diameter: 0.18

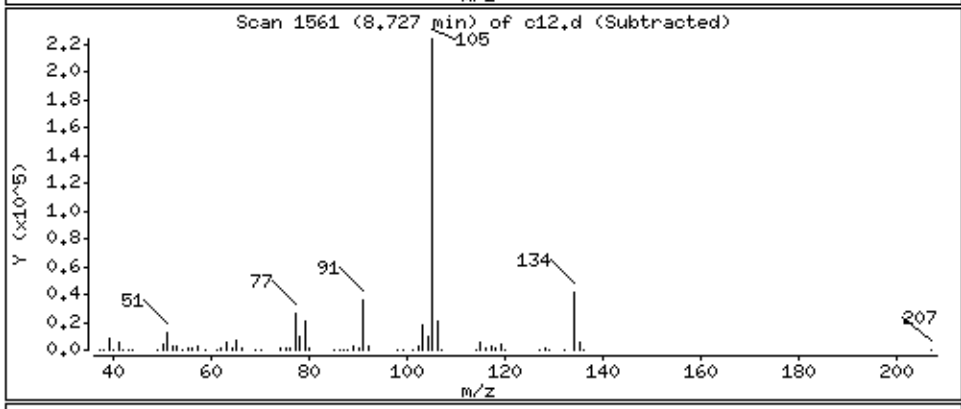
86 sec-Butylbenzene

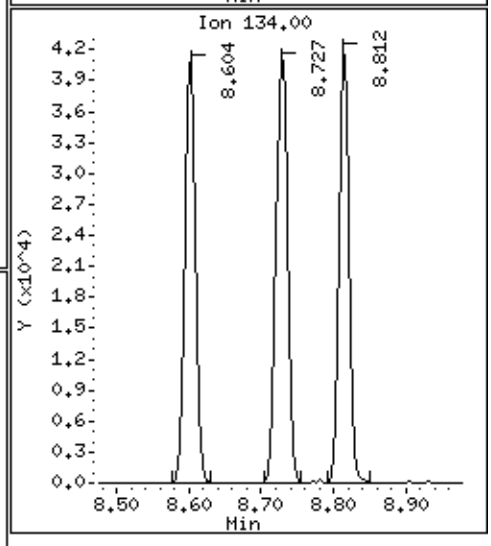
Concentration: 19.0 ppb

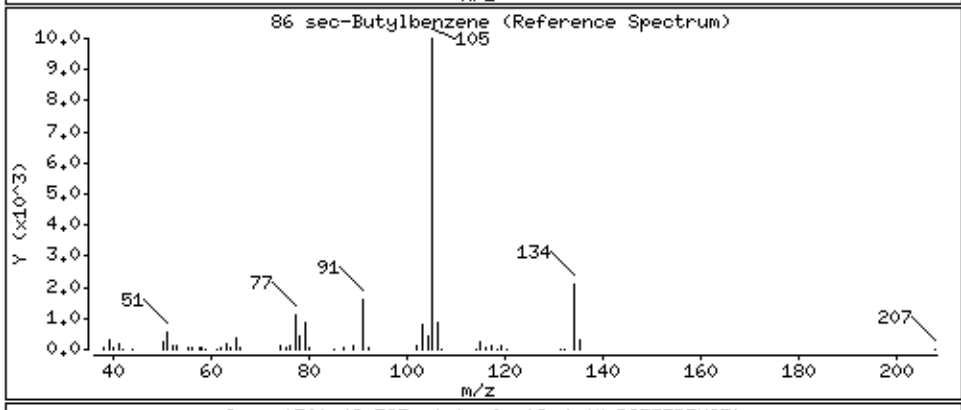
Review Code:

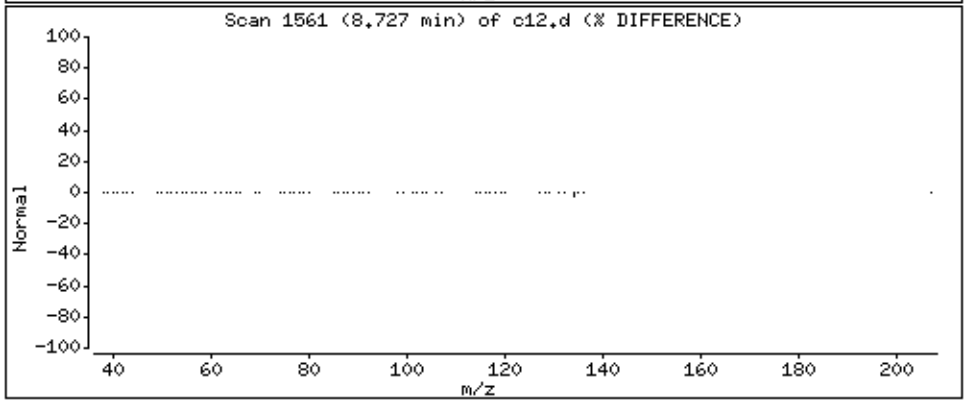












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

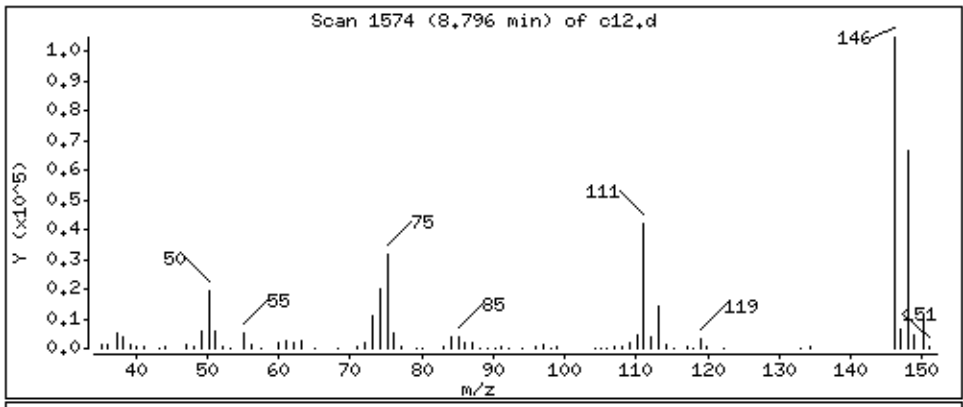
Column phase: DB-624

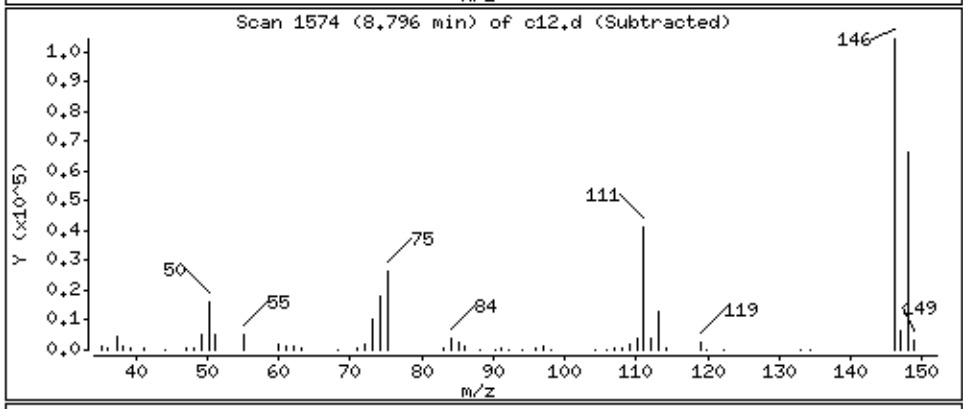
Column diameter: 0.18

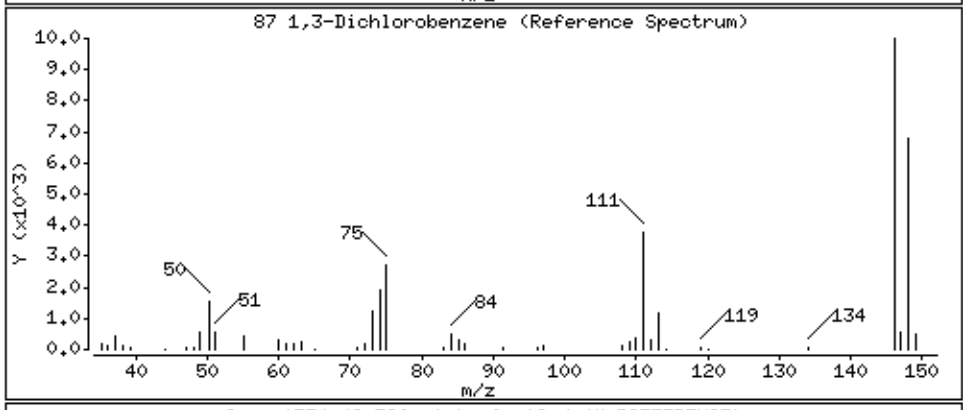
87 1,3-Dichlorobenzene

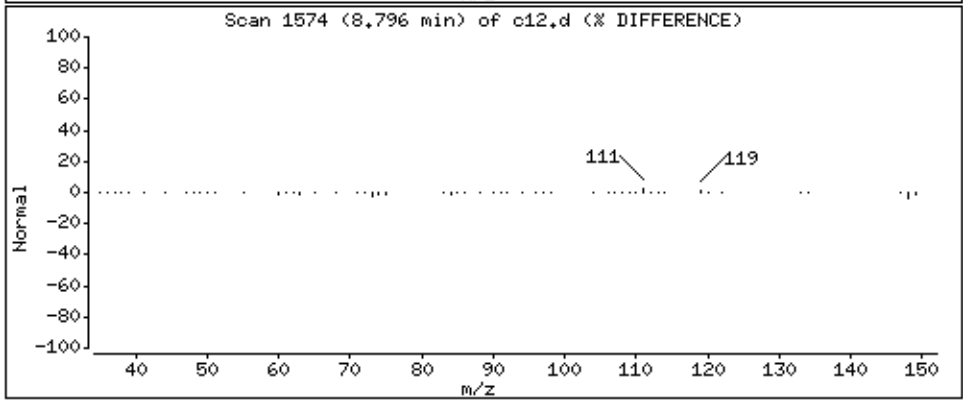
Concentration: 23.5 ppb

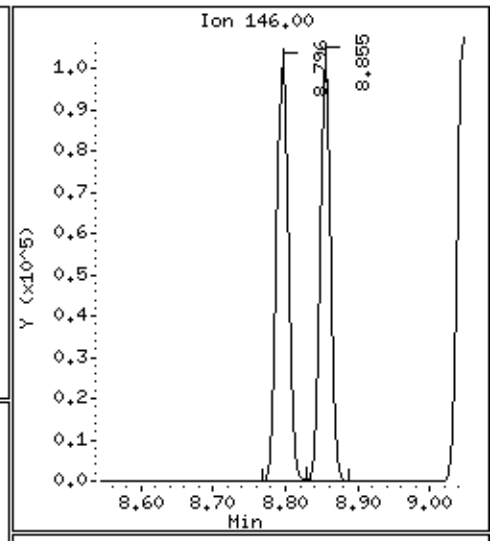
Review Code:

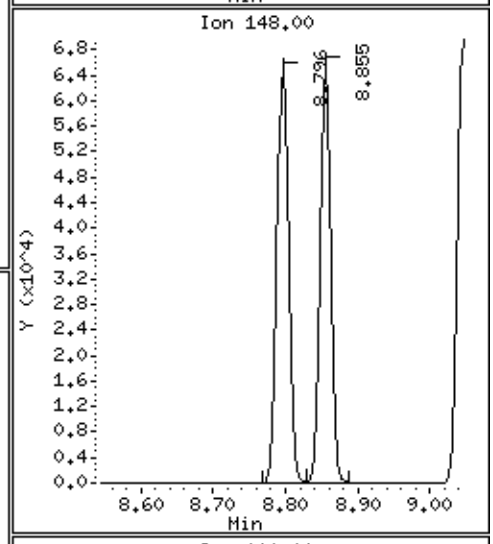


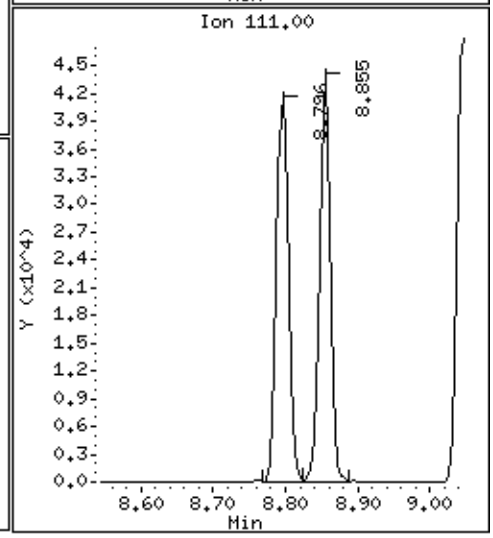












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

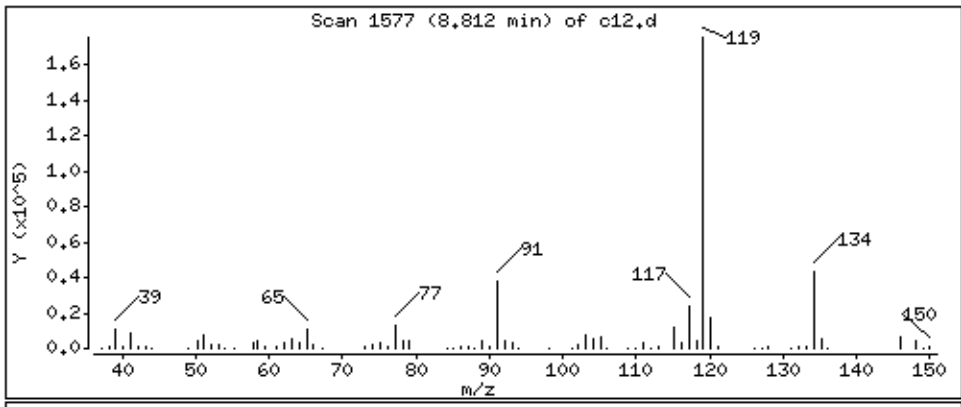
Column phase: DB-624

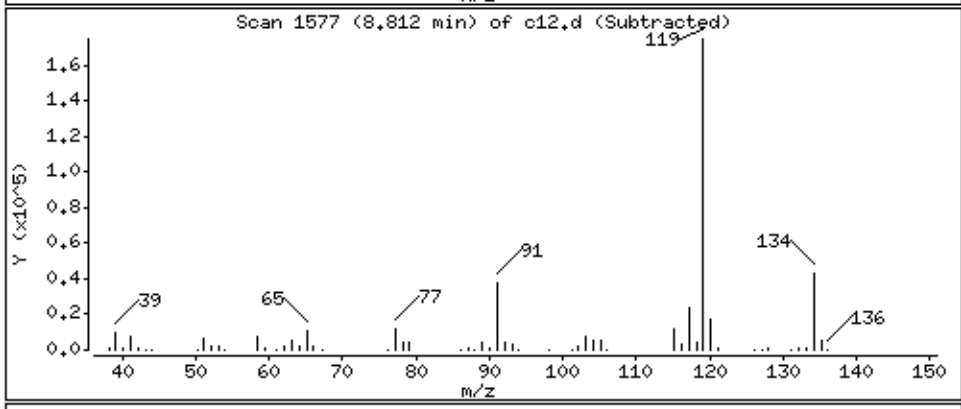
Column diameter: 0.18

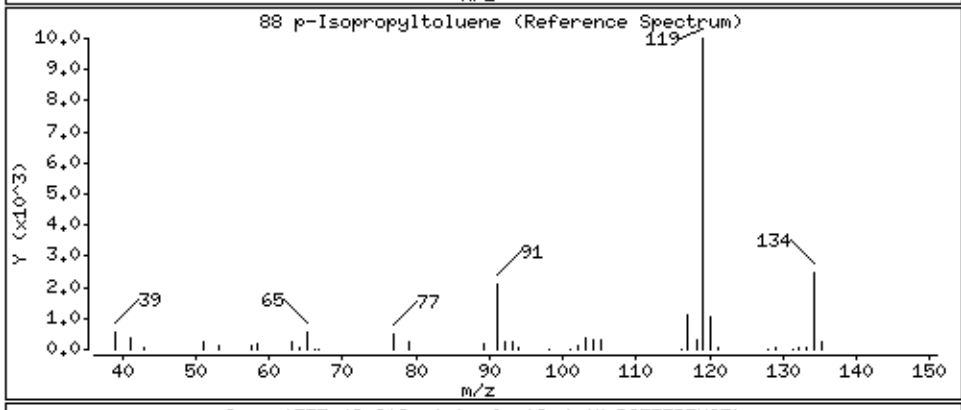
88 p-Isopropyltoluene

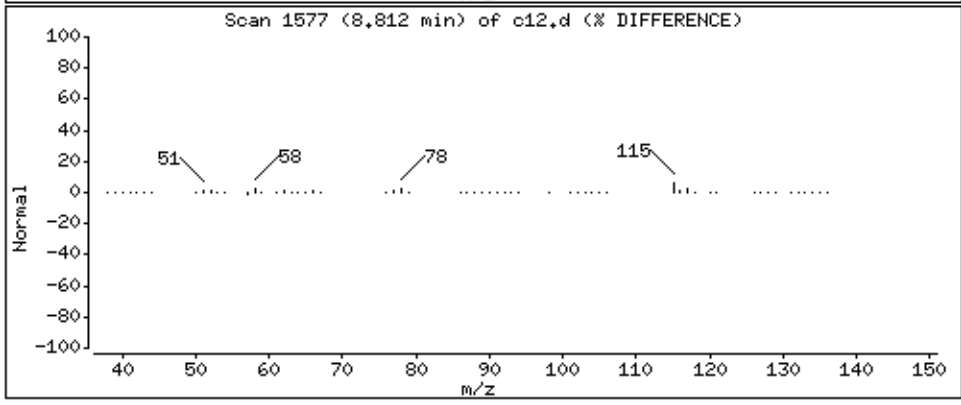
Concentration: 17.6 ppb

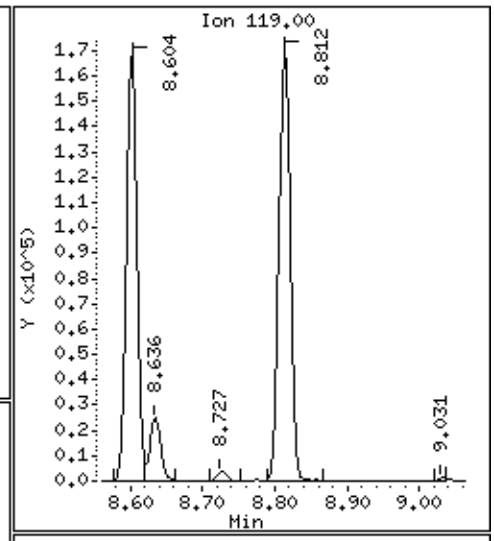
Review Code:

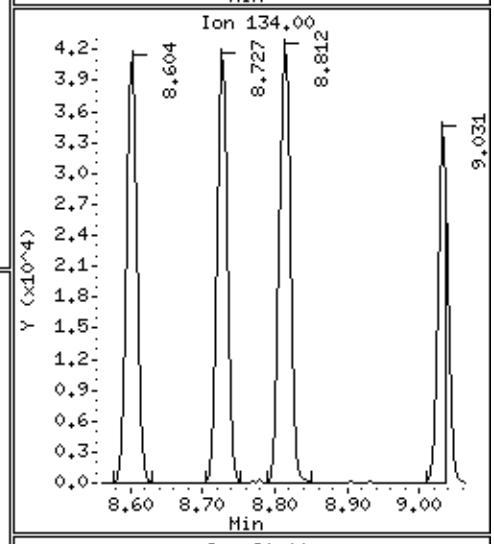


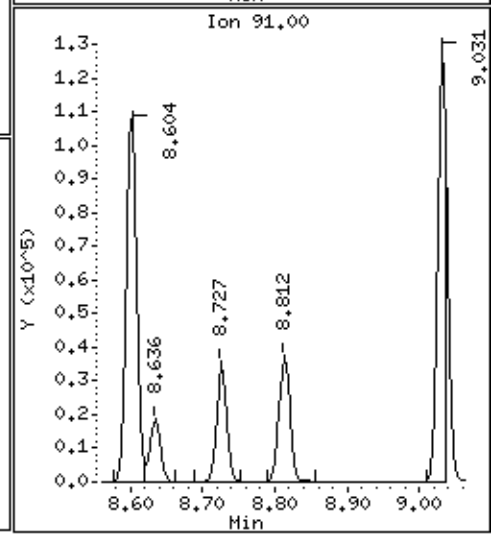












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

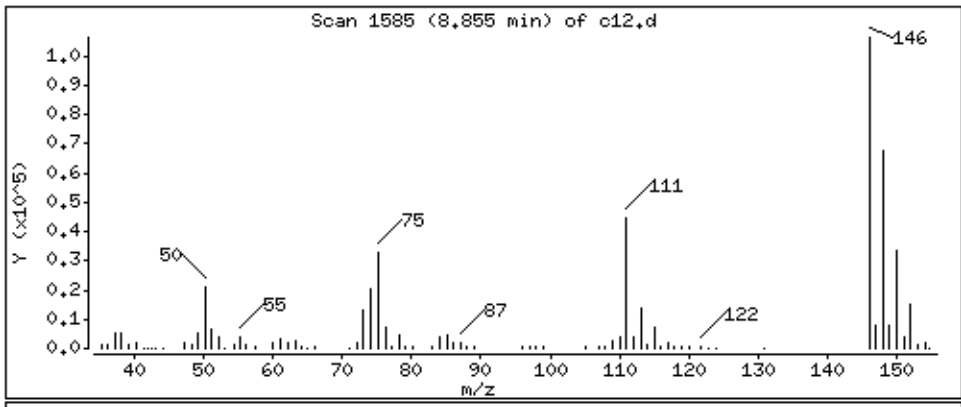
Column phase: DB-624

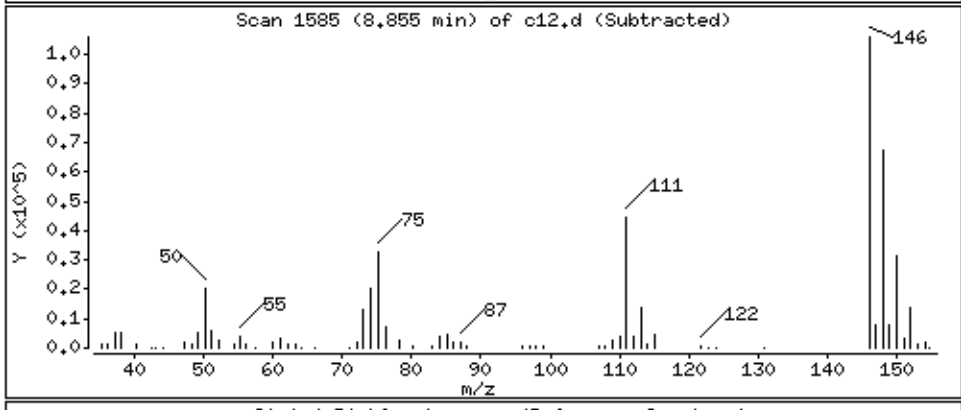
Column diameter: 0.18

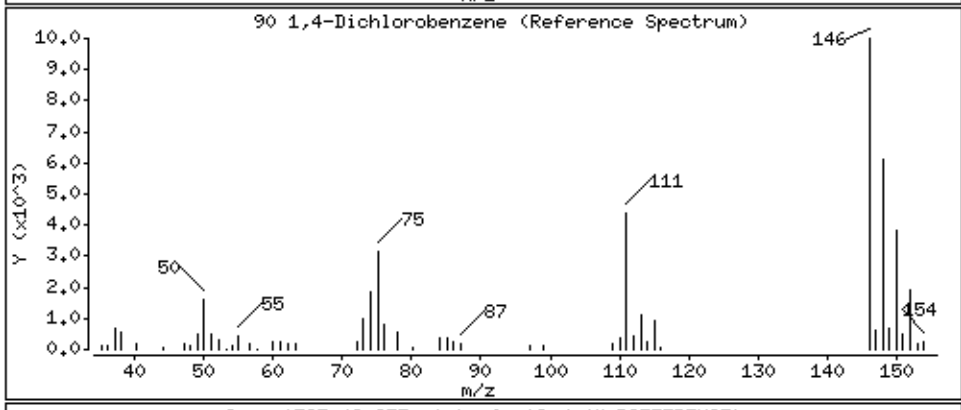
90 1,4-Dichlorobenzene

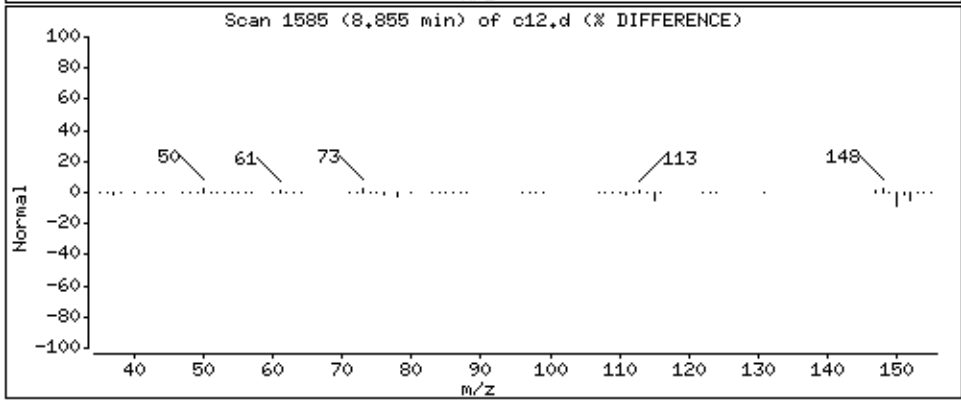
Concentration: 22.7 ppb

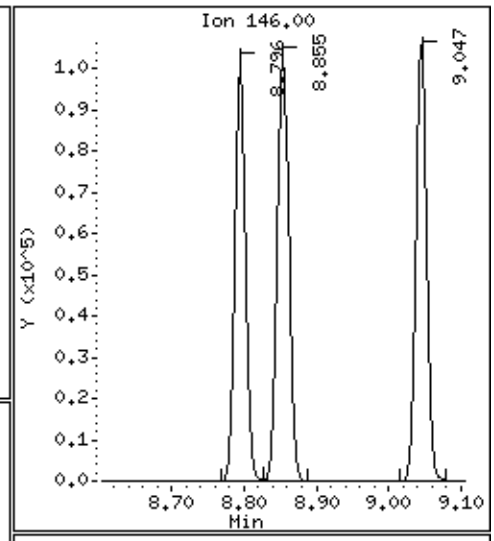
Review Code:

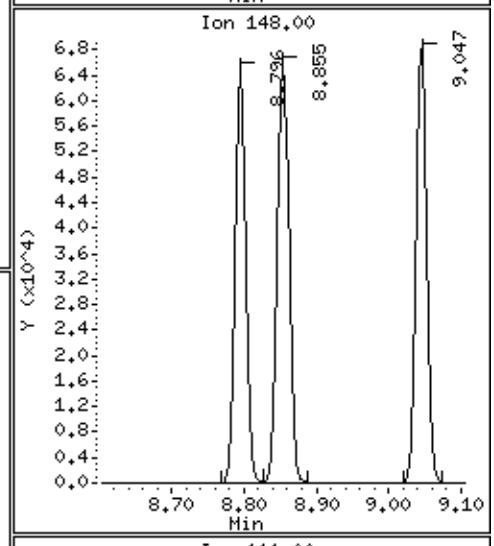


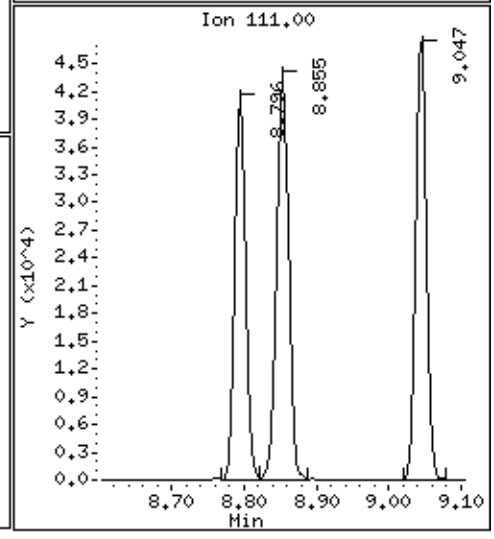












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

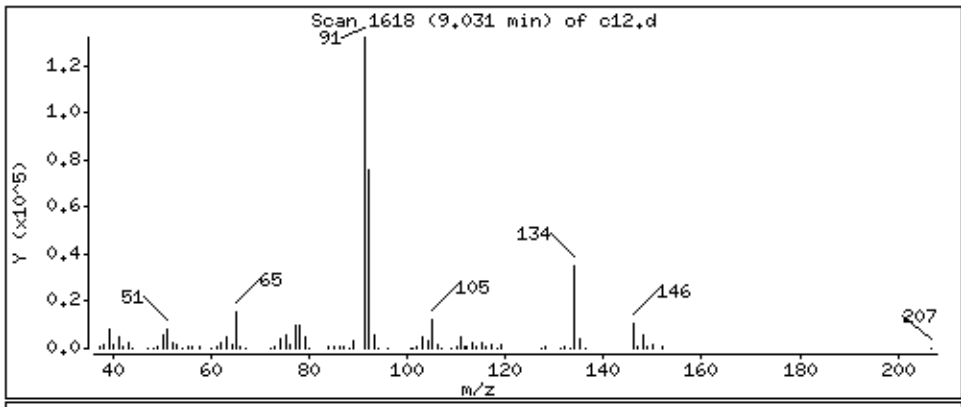
Column phase: DB-624

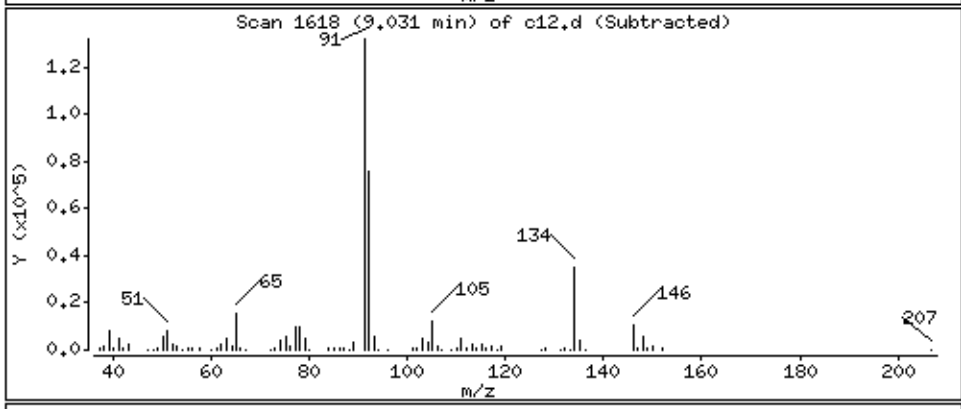
Column diameter: 0.18

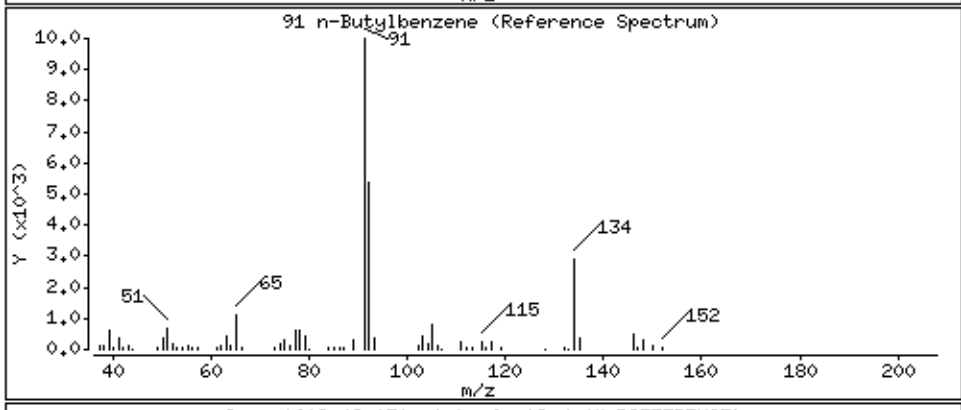
91 n-Butylbenzene

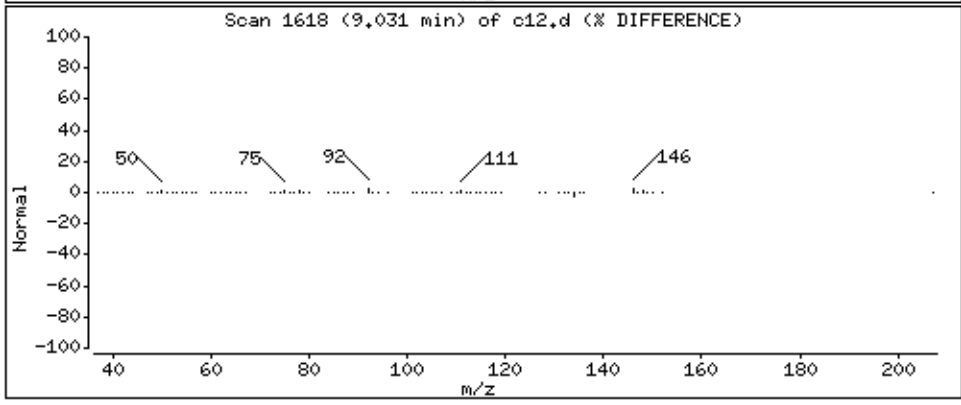
Concentration: 14.3 ppb

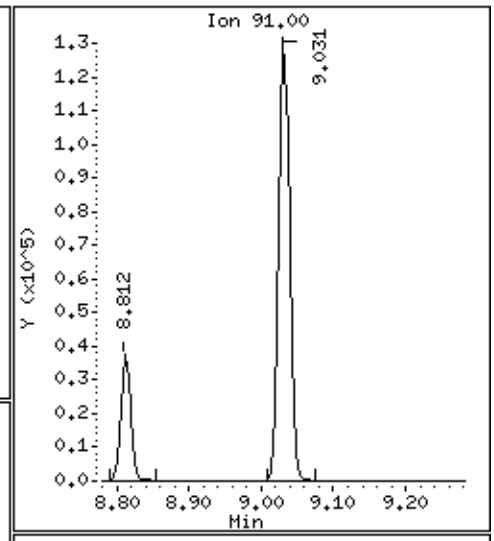
Review Code:

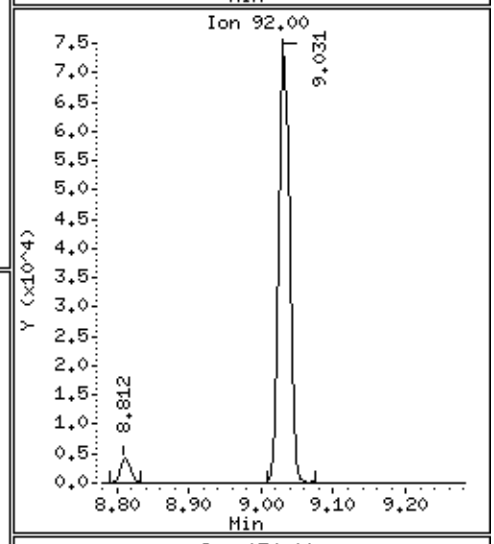


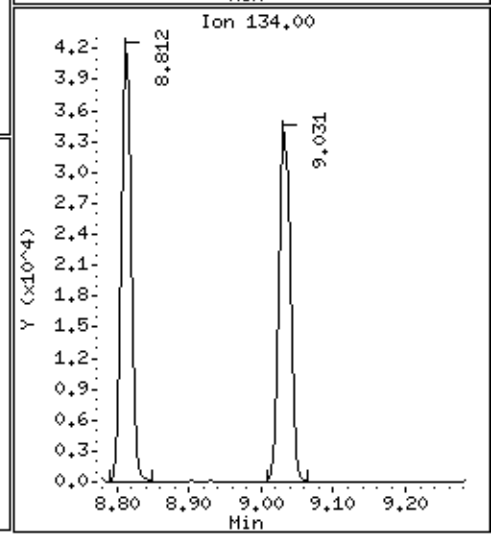












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

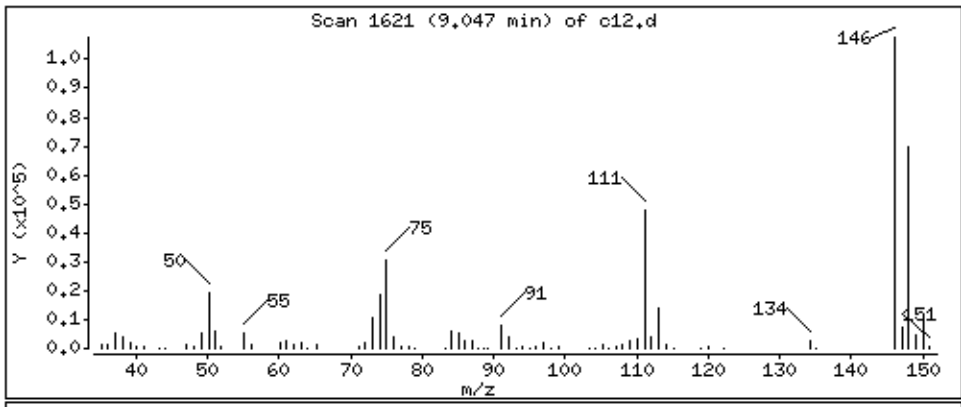
Column phase: DB-624

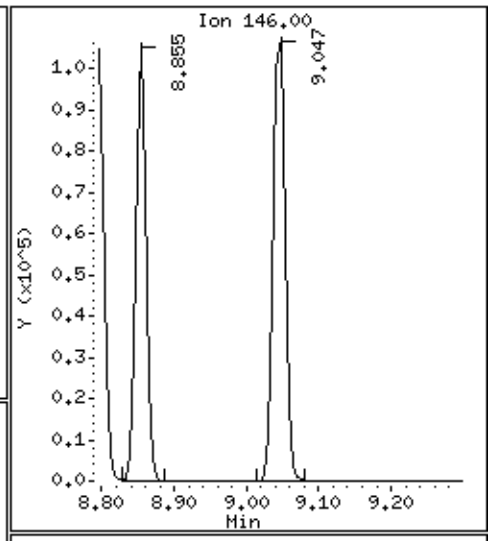
Column diameter: 0.18

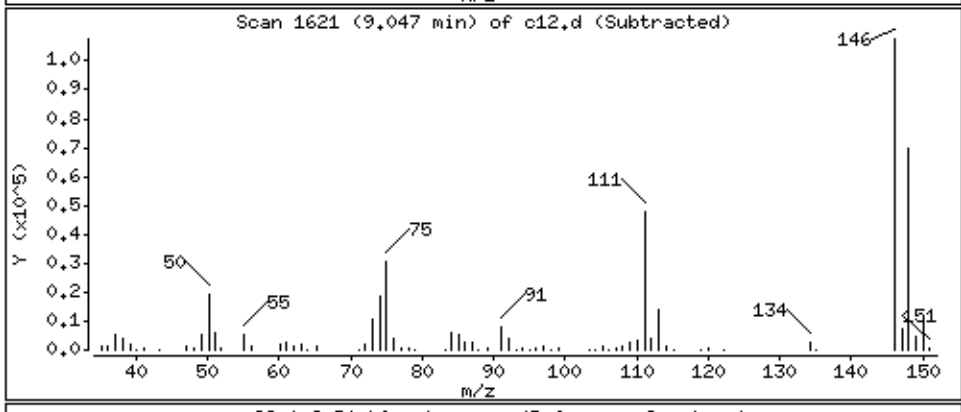
92 1,2-Dichlorobenzene

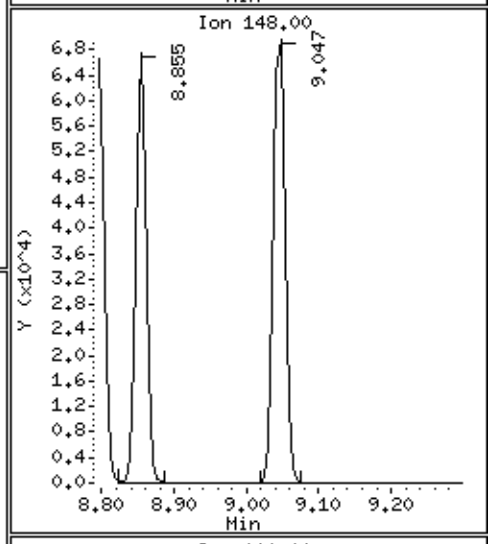
Concentration: 27.7 ppb

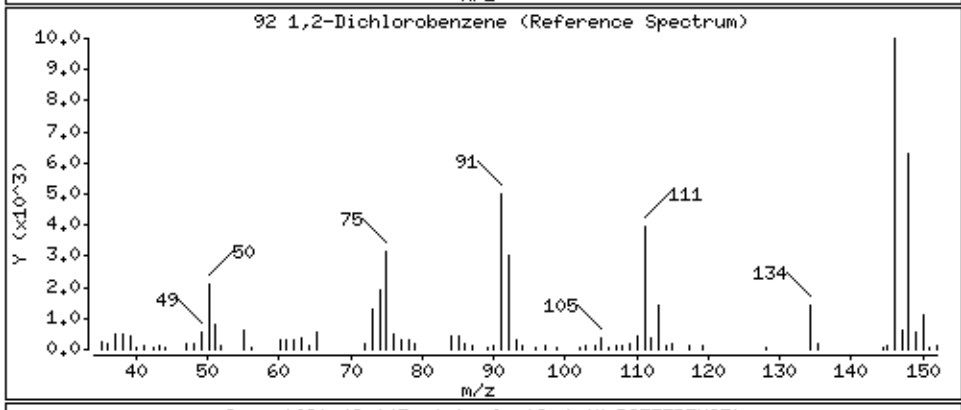
Review Code:

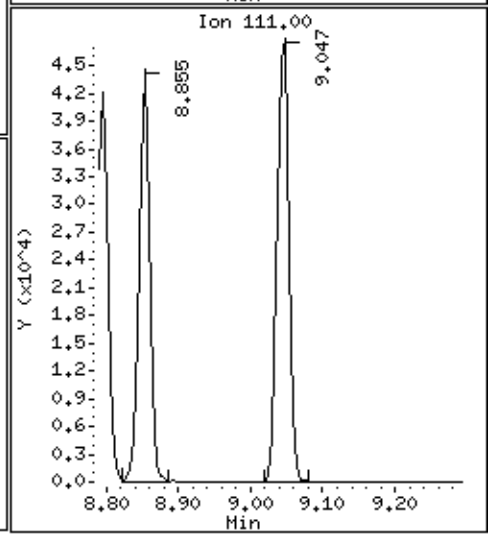


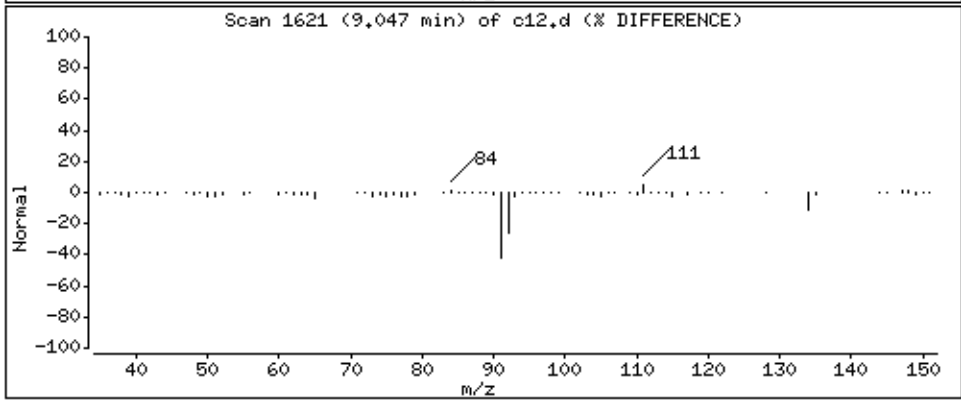












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

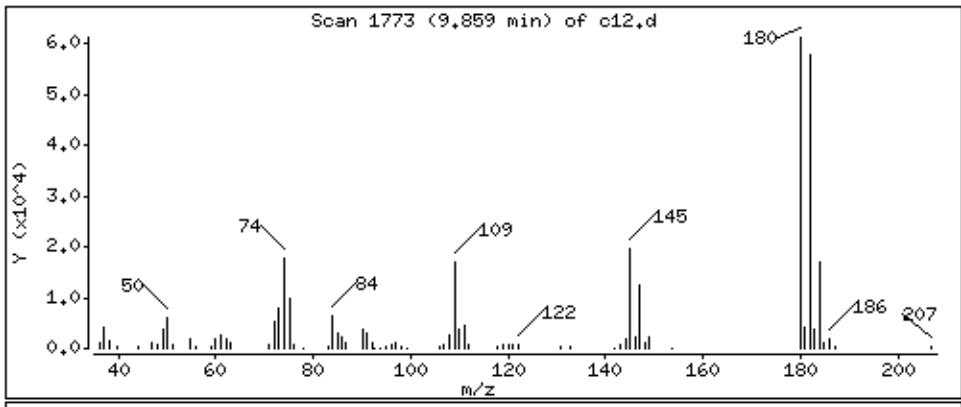
Column phase: DB-624

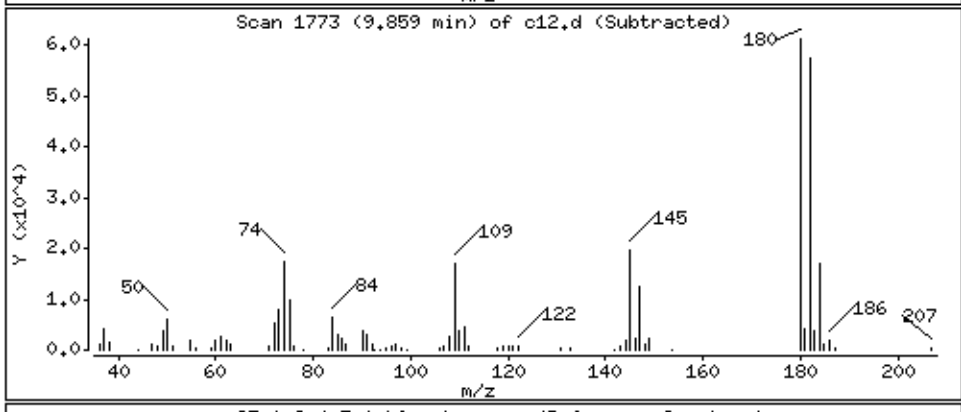
Column diameter: 0.18

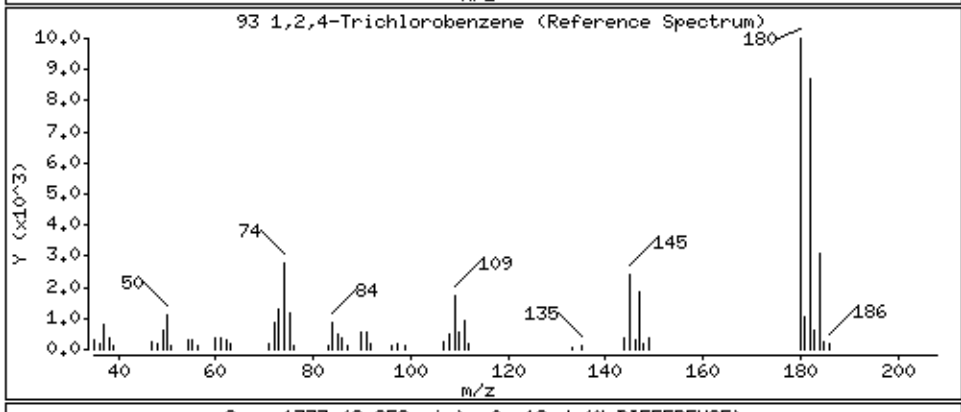
93 1,2,4-Trichlorobenzene

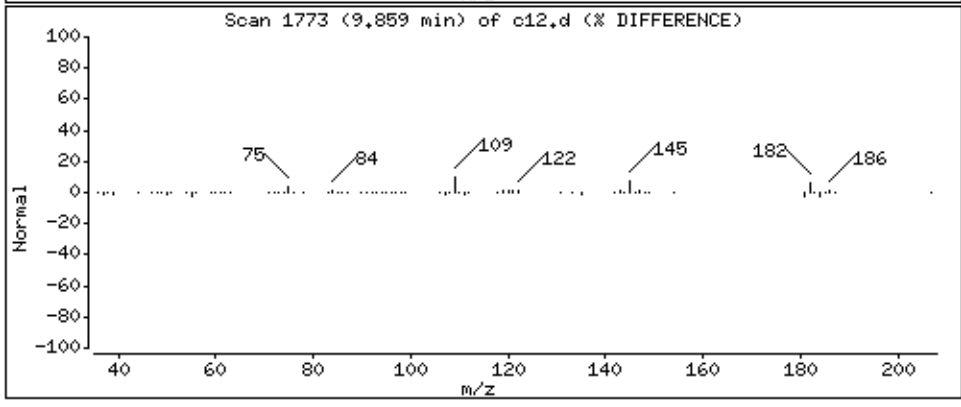
Concentration: 25.8 ppb

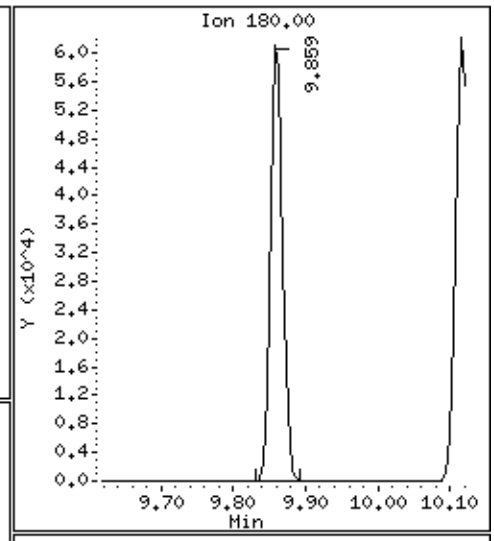
Review Code:

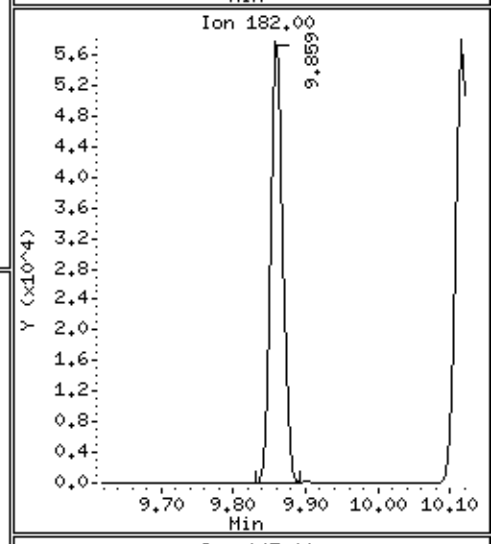


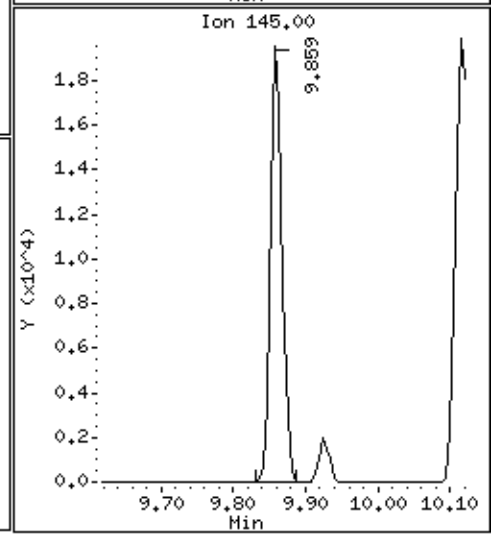












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Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

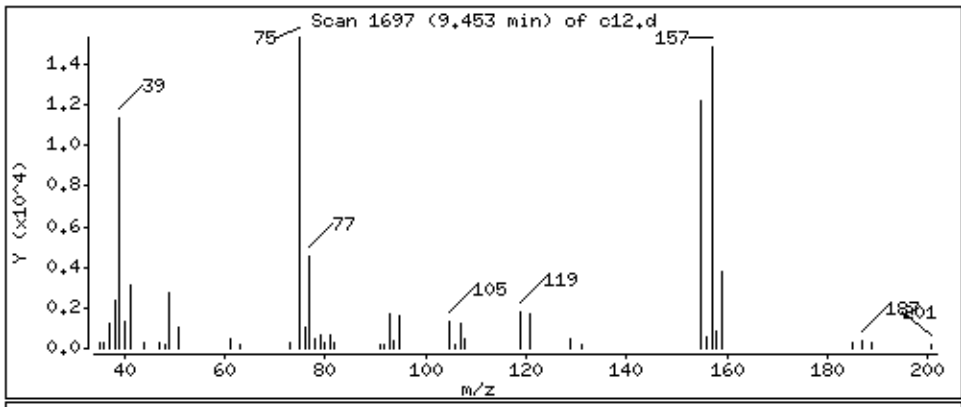
Column phase: DB-624

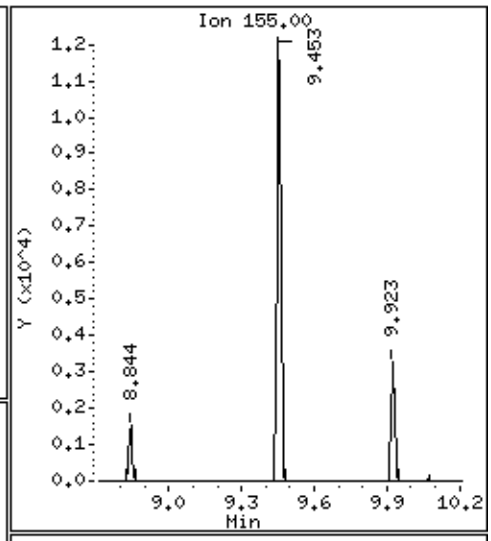
Column diameter: 0.18

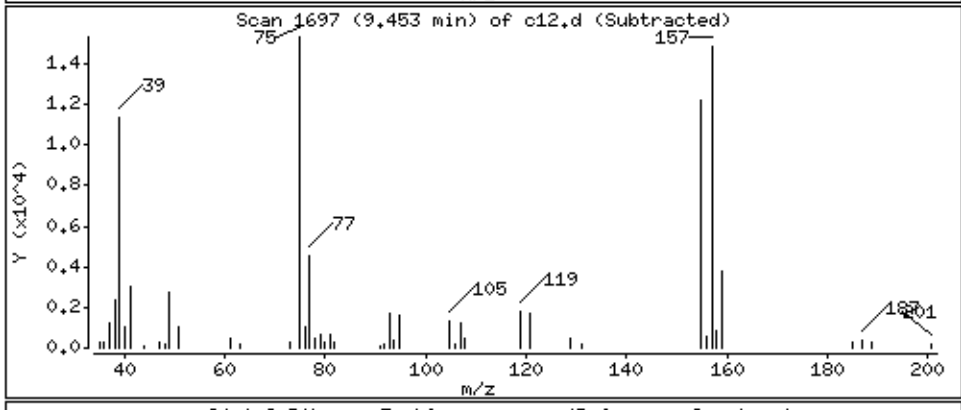
94 1,2-Dibromo-3-chloropropane

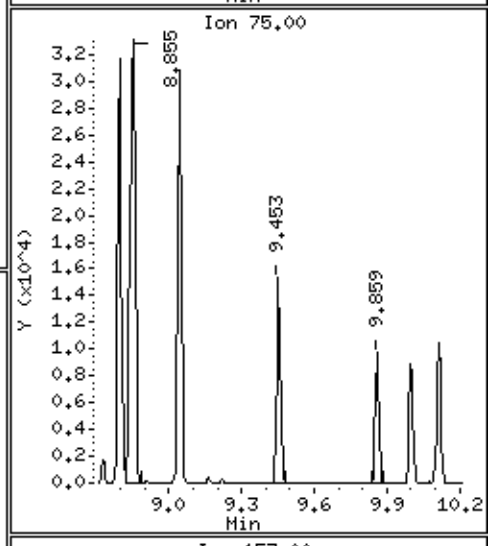
Concentration: 57.8 ppb

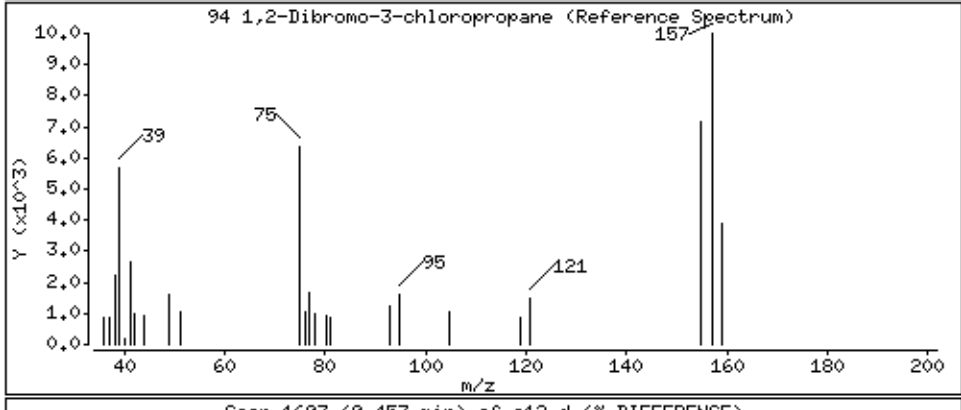
Review Code:

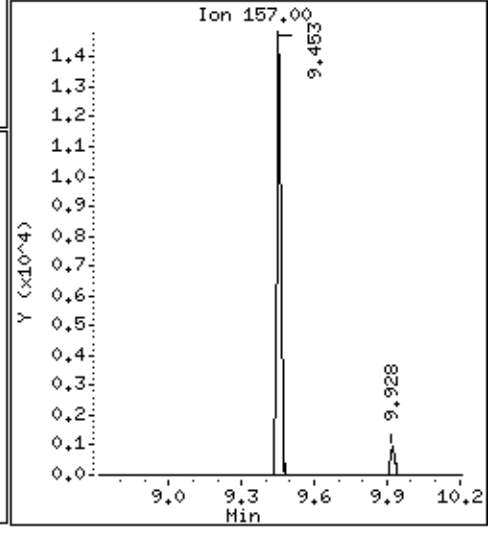


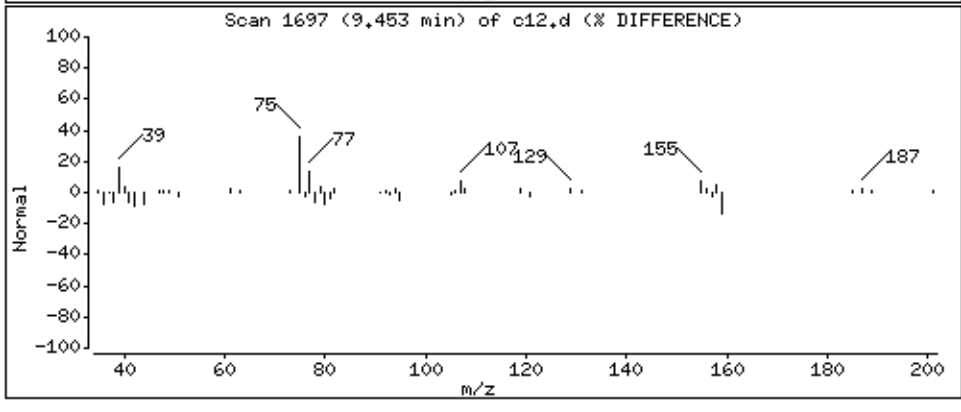












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

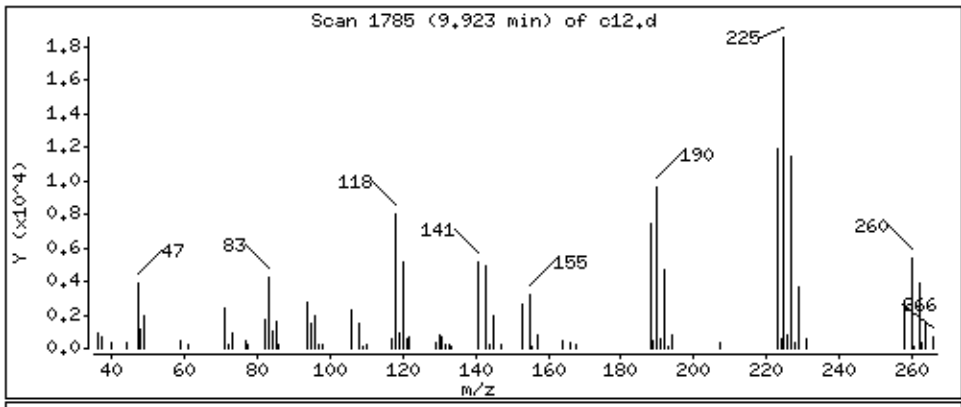
Column phase: DB-624

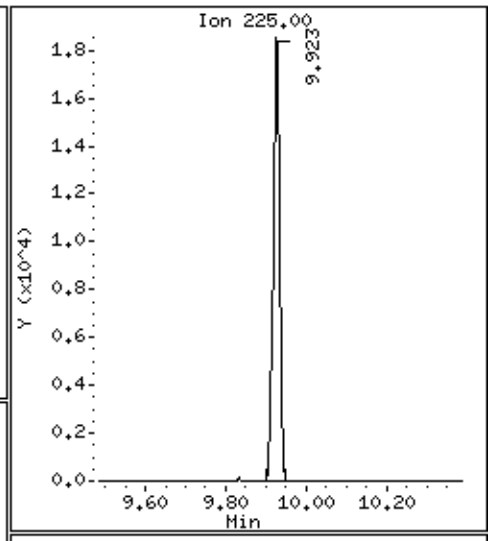
Column diameter: 0.18

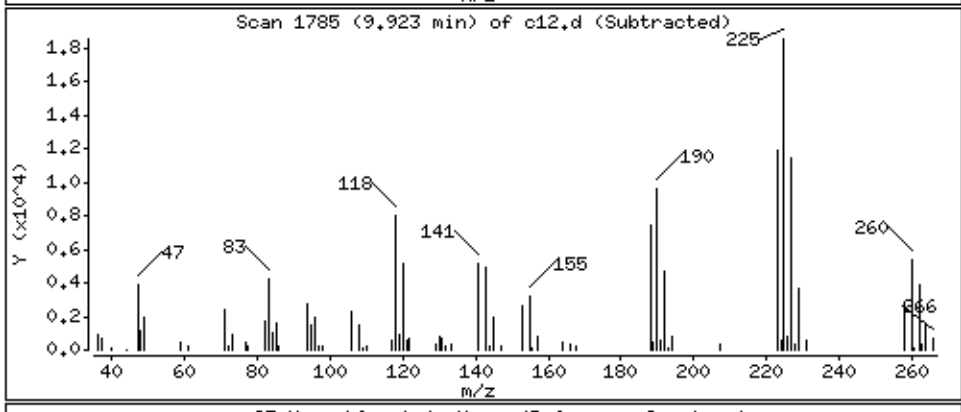
95 Hexachlorobutadiene

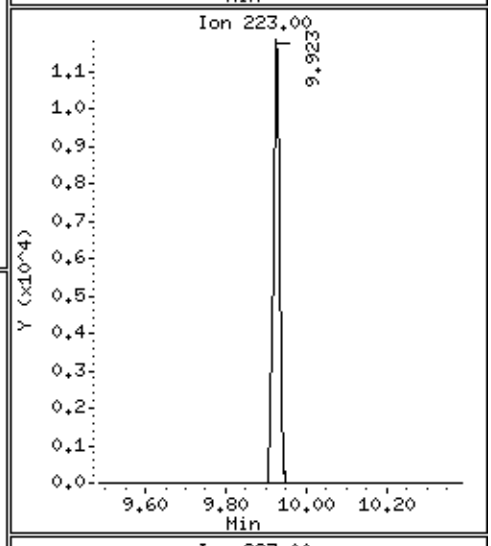
Concentration: 12.8 ppb

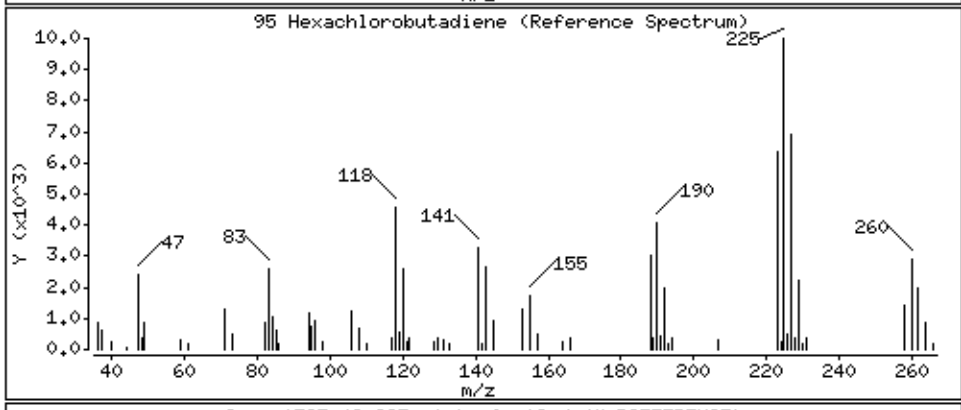
Review Code:

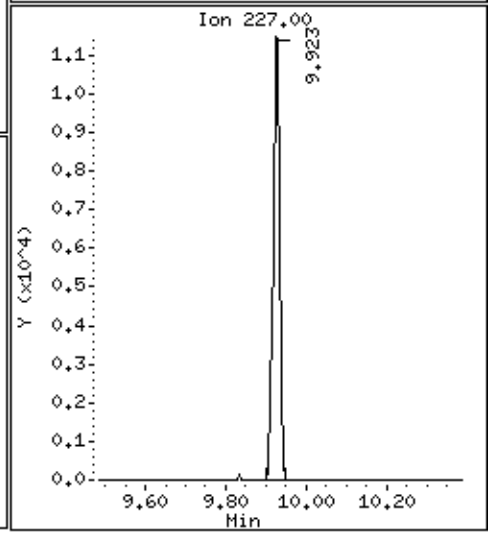


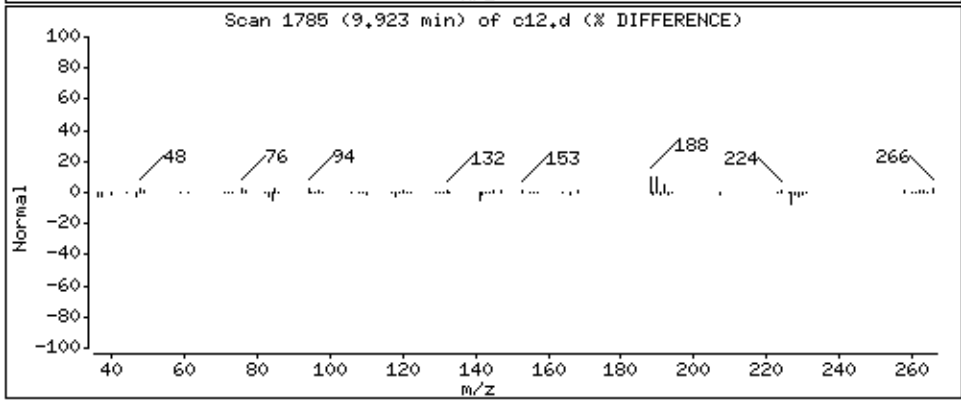












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

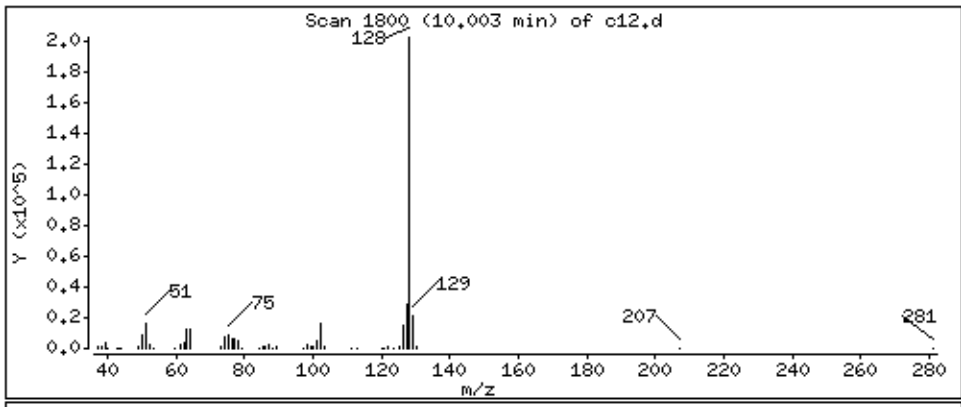
Column phase: DB-624

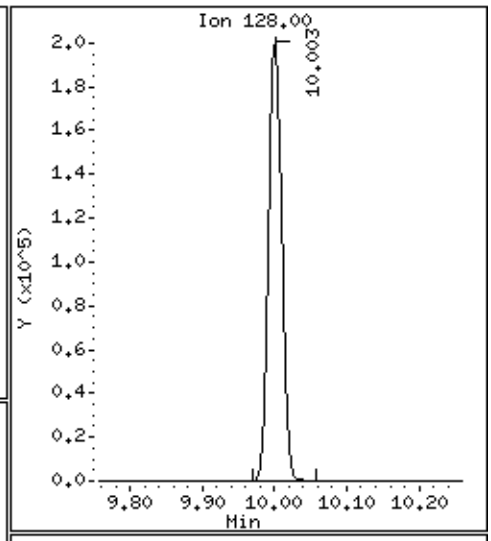
Column diameter: 0.18

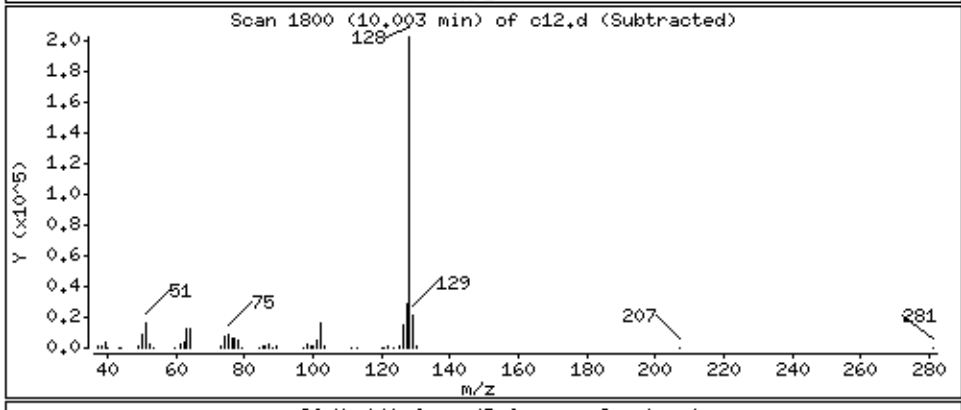
96 Naphthalene

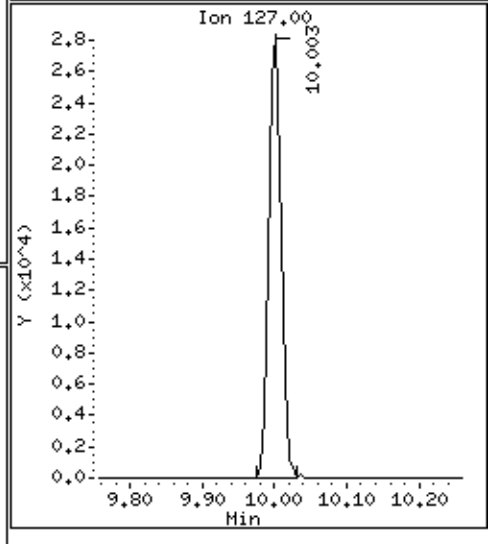
Concentration: 42.9 ppb

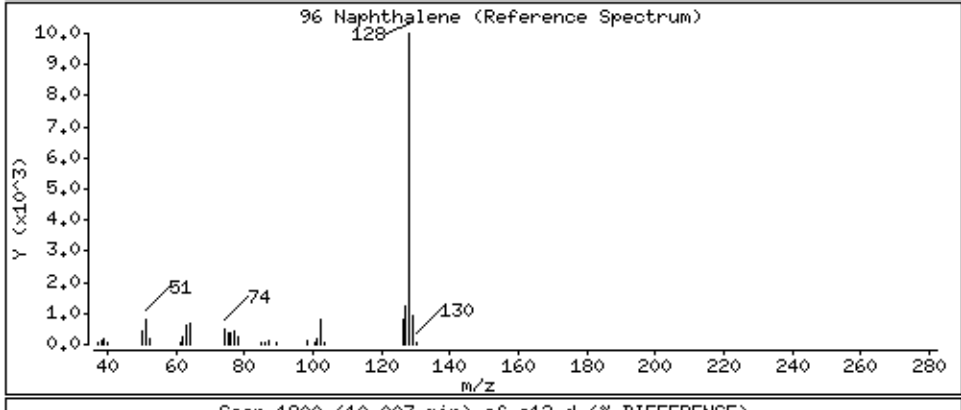
Review Code:

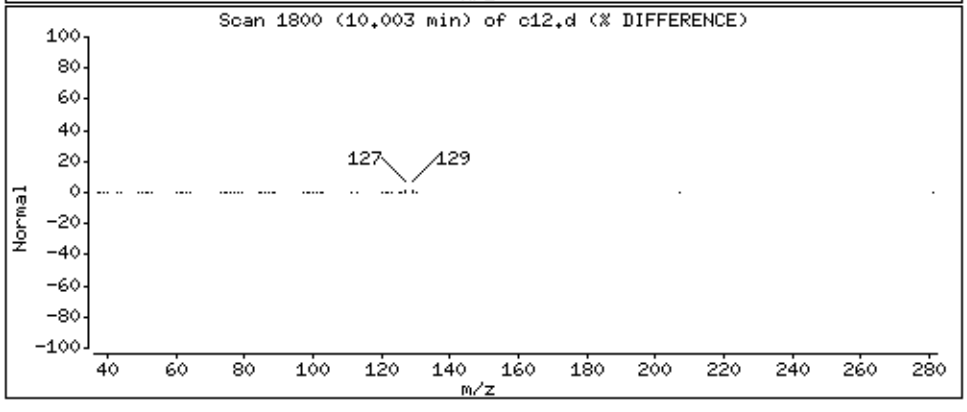












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

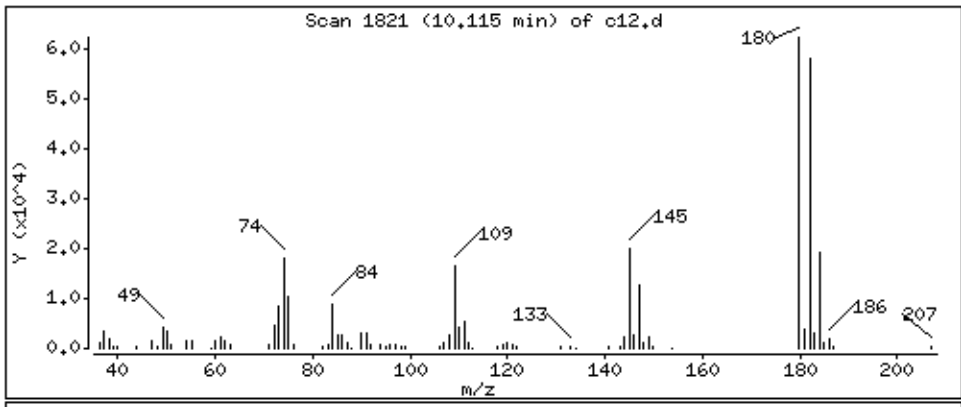
Column phase: DB-624

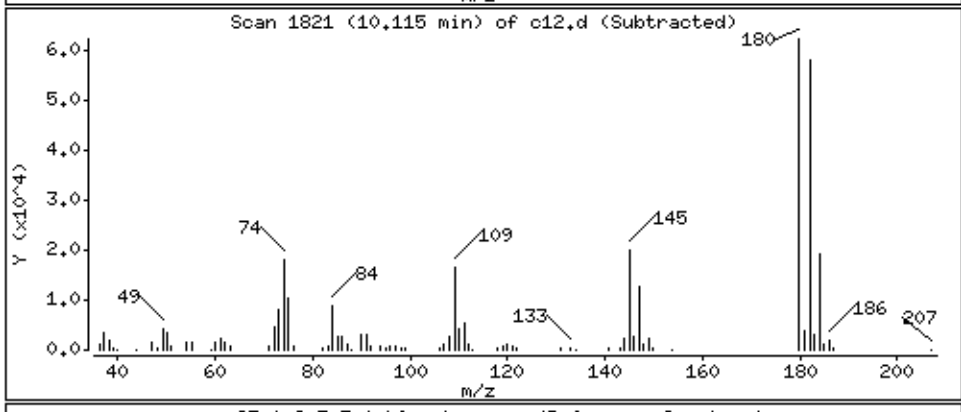
Column diameter: 0.18

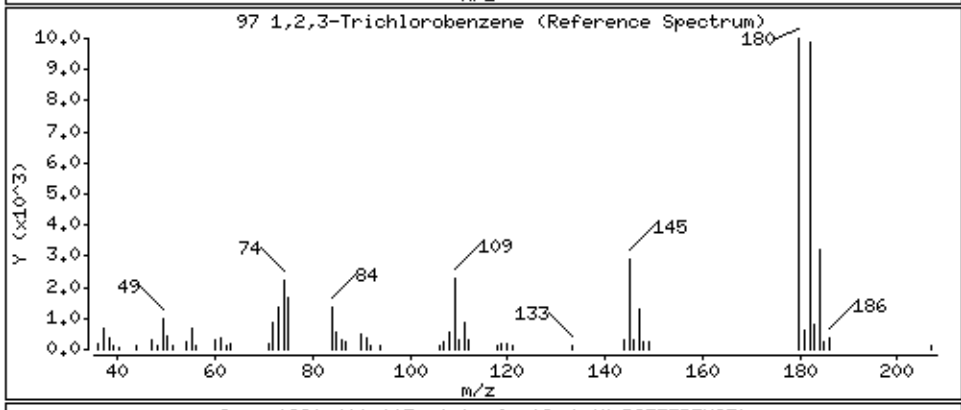
97 1,2,3-Trichlorobenzene

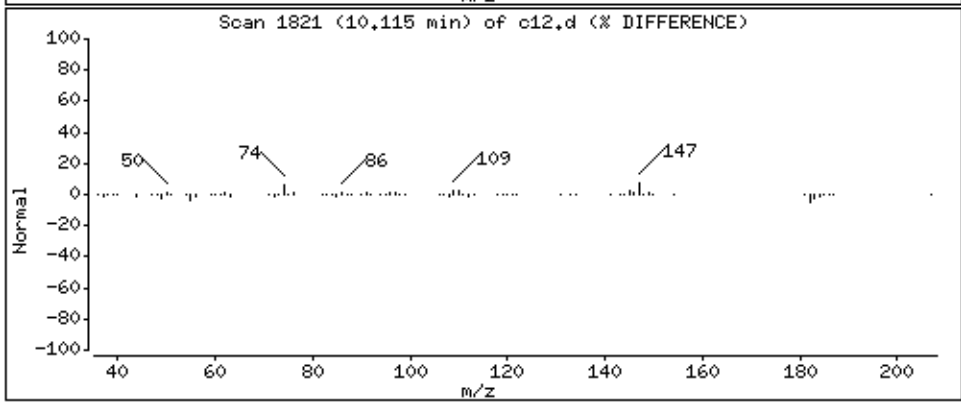
Concentration: 29.5 ppb

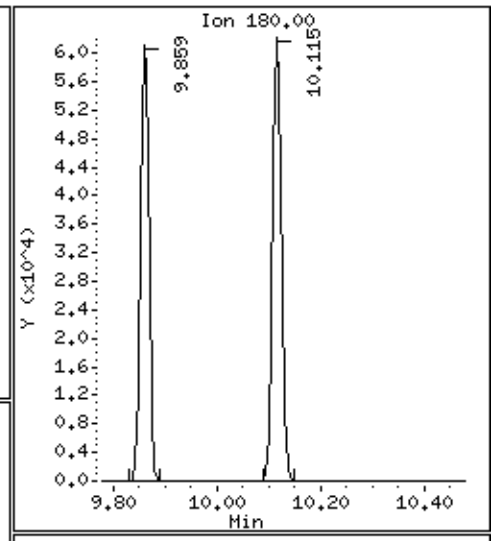
Review Code:

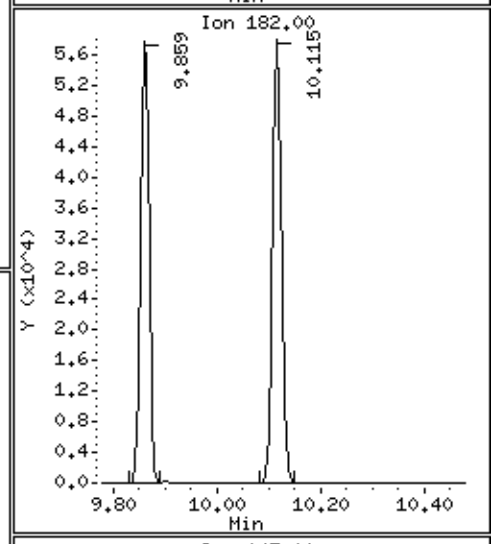


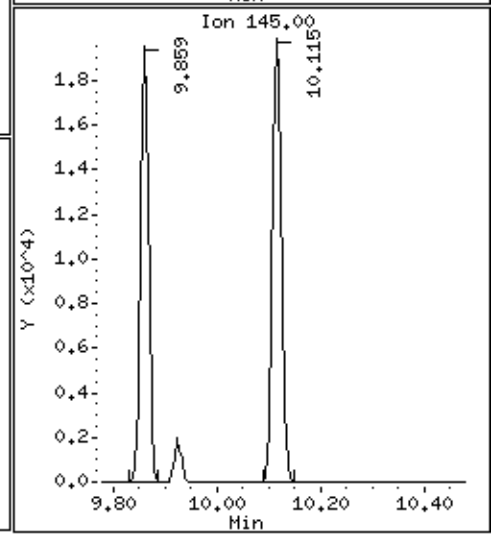












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

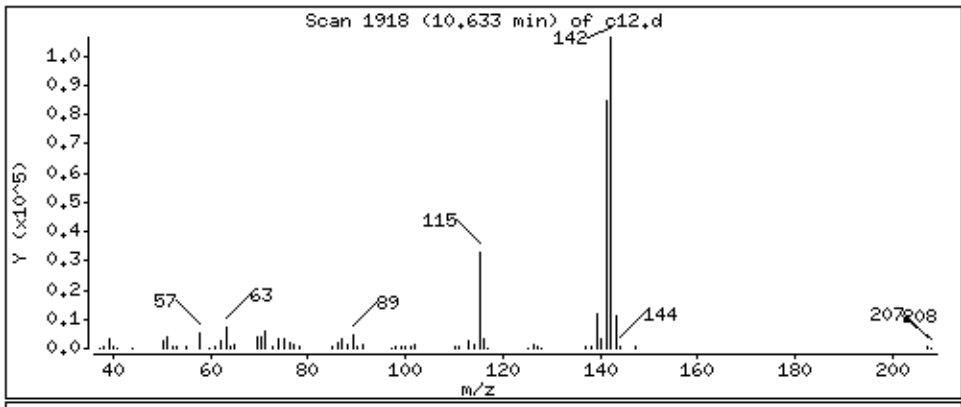
Column phase: DB-624

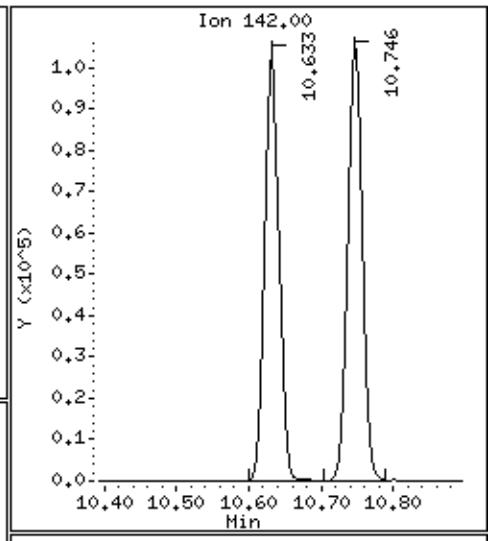
Column diameter: 0.18

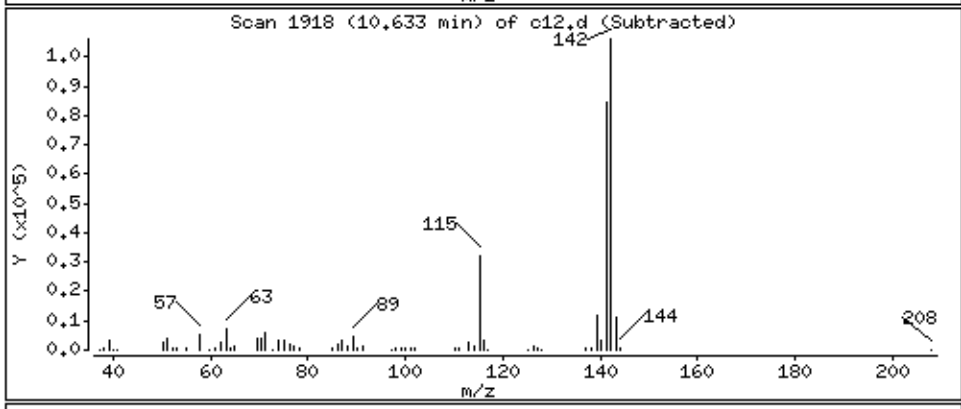
98 2,methyl-naphthalene

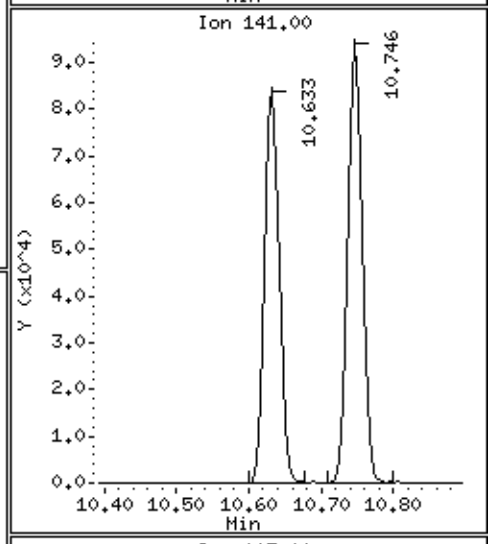
Concentration: 38.0 ppb

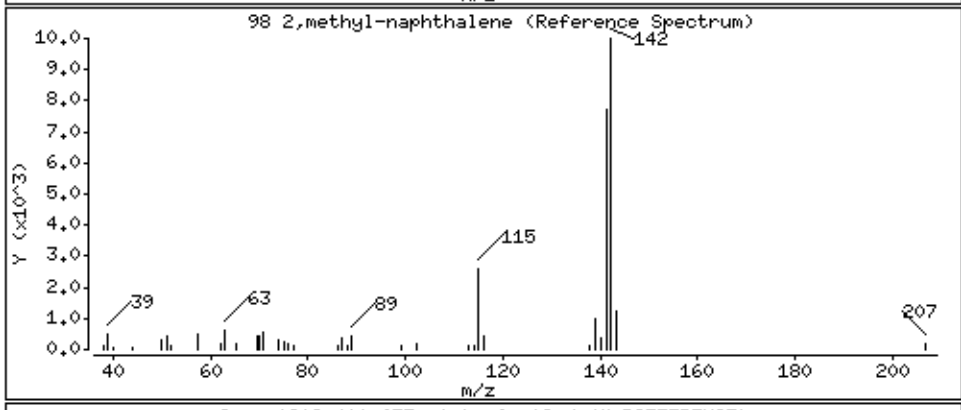
Review Code:

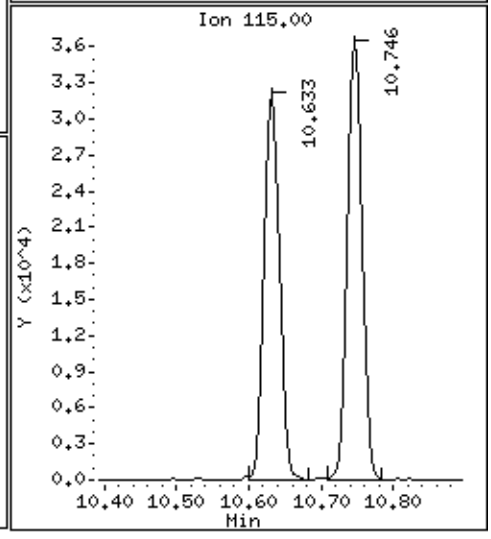


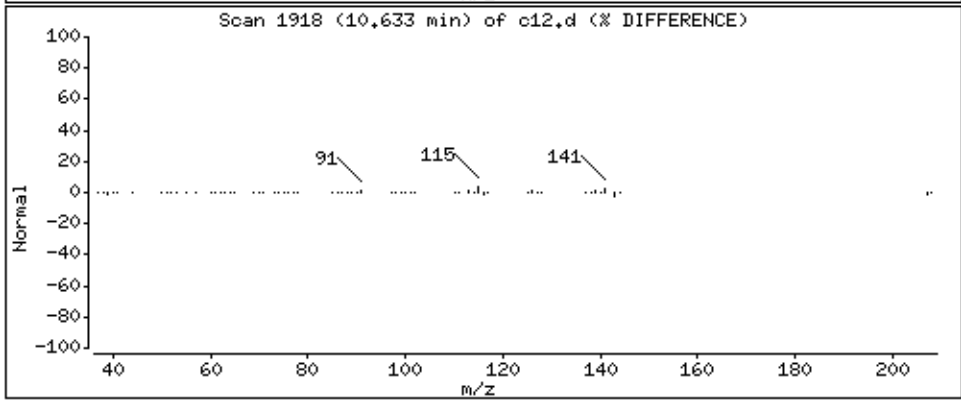












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b\c12.d

Date : 07-OCT-2016 06:37

Client ID: MW-0503-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1642767,132007:5

Purge Volume: 5.0

Operator: jlz

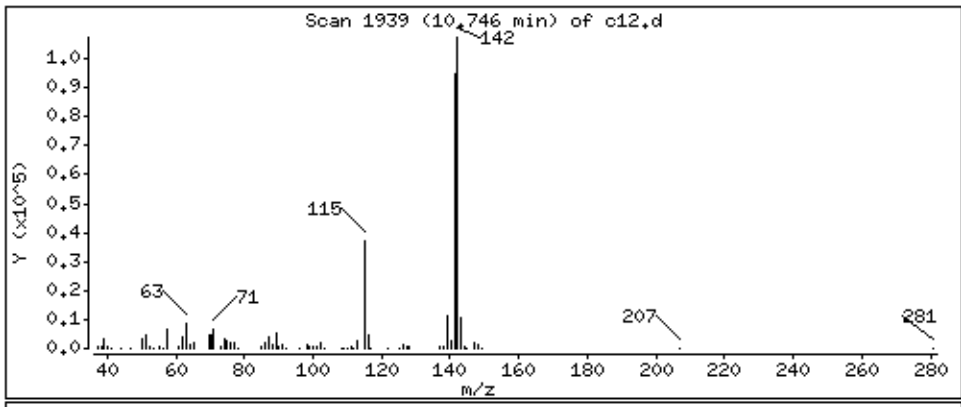
Column phase: DB-624

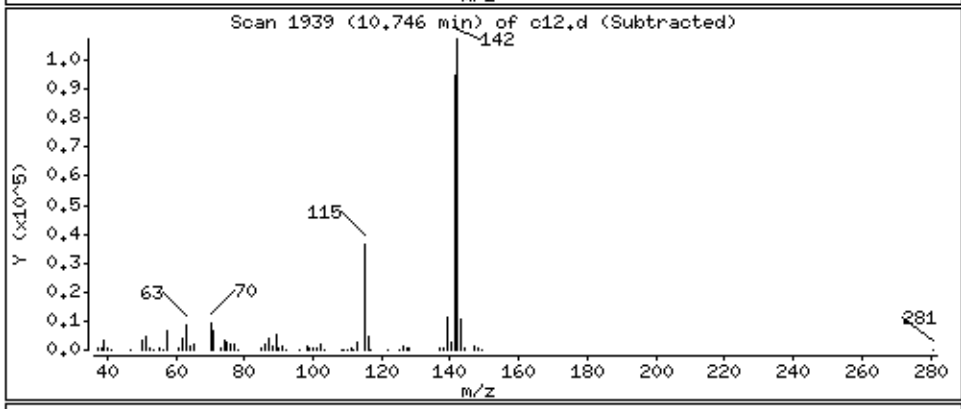
Column diameter: 0.18

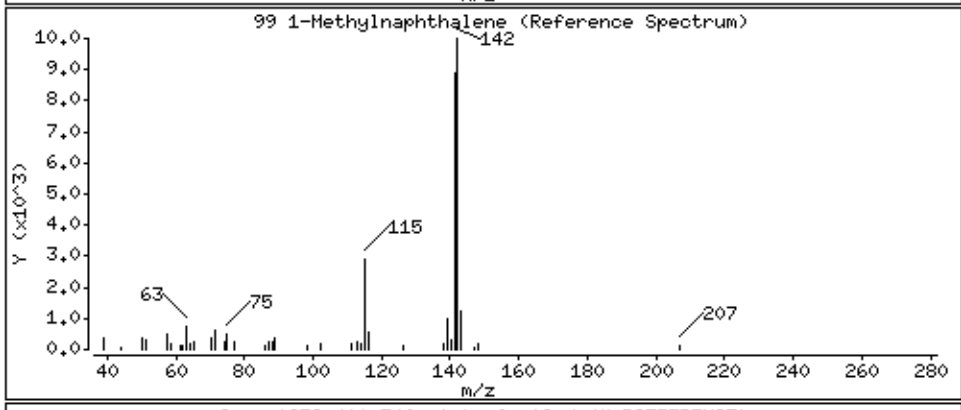
99 1-Methylnaphthalene

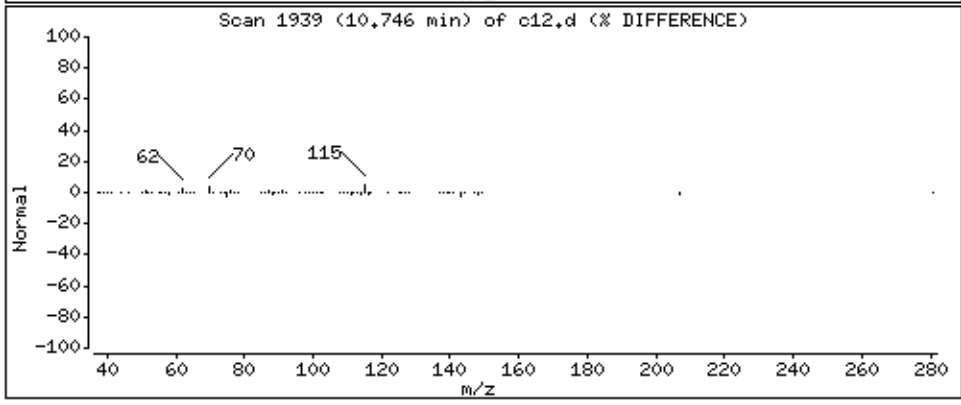
Concentration: 49.3 ppb

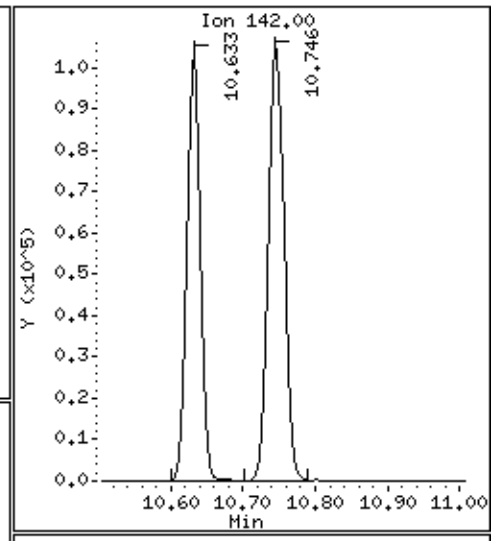
Review Code:

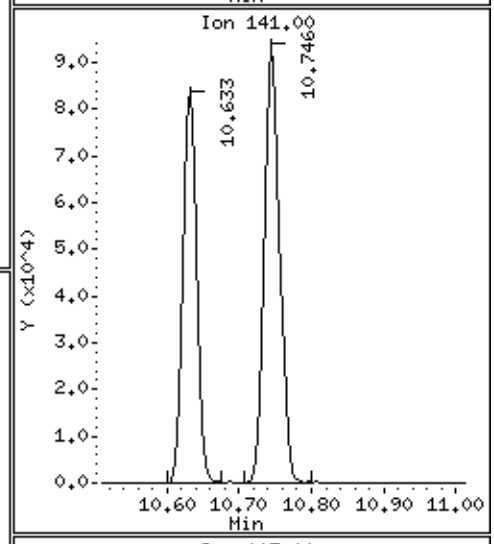


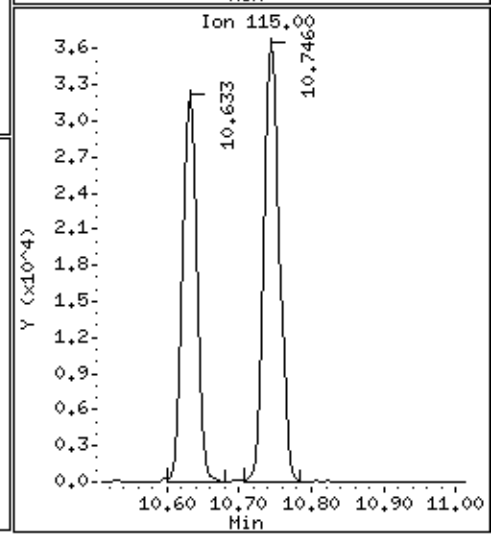












Data File: \\192.168.50.6\chem\50mv3a.i\a100616.b/c12.d
Injection Date: 07-OCT-2016 06:37
Instrument: 50mv3a.i
Lab Sample ID: 1642767
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 02:05 Lab Sample ID: 1642780

Date Analyzed: 10/07/2016 02:05 Lab File ID: B100616.B\D03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	5.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 02:05 Lab Sample ID: 1642780

Date Analyzed: 10/07/2016 02:05 Lab File ID: B100616.B\D03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d
Lab Smp Id: 1642780 Client Smp ID: MB
Inj Date : 07-OCT-2016 02:05
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642780
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 54 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
18 Methylene Chloride	84	1.870	1.872	(0.448)	15322	5.60141	5.60	
$ 35 Dibromofluoromethane (S)	113	3.339	3.341	(0.800)	85558	47.5048	47.5	
* 44 Fluorobenzene (IS)	96	4.172	4.174	(1.000)	391183	50.0000		
$ 55 Toluene-d8 (S)	98	6.020	6.022	(0.820)	391342	46.0708	46.1	
56 Toluene	91	6.100	6.097	(0.831)	4633	0.43881	0.439	
* 65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	287537	50.0000		
$ 74 4-Bromofluorobenzene (S)	95	8.162	8.164	(1.111)	136950	51.2187	51.2	
* 88 1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.842	(1.000)	139388	50.0000		
89 1,4-Dichlorobenzene	146	8.856	8.853	(1.002)	1366	0.29004	0.290(Q)	
95 Naphthalene	128	10.004	10.006	(1.132)	3706	0.68503	0.685	
97 2,methyl-naphthalene	142	10.634	10.642	(1.203)	4197	1.30495	1.30	
98 1-Methylnaphthalene	142	10.747	10.759	(1.216)	3875	1.45556	1.46	

QC Flag Legend

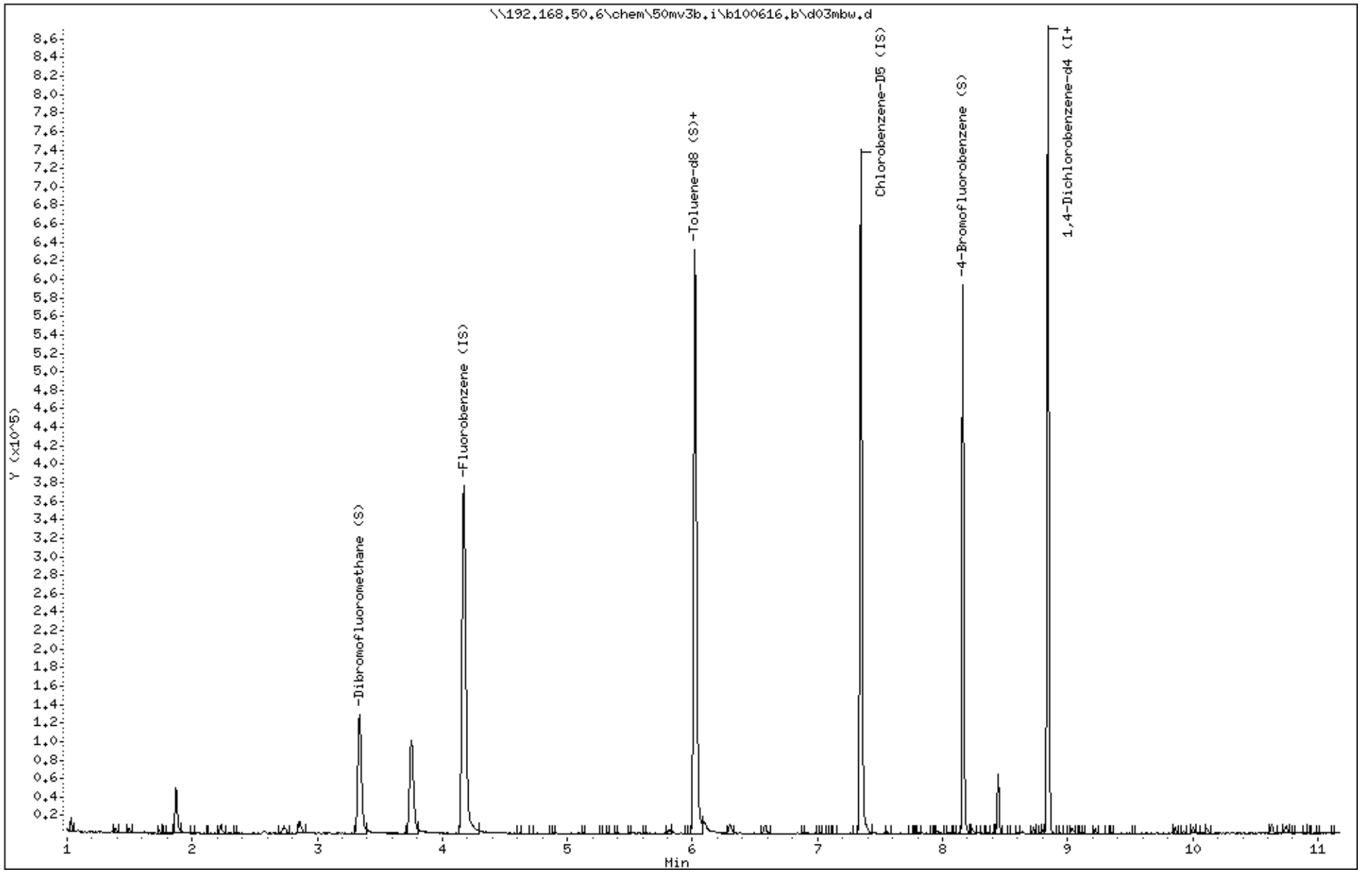
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d
Date : 07-OCT-2016 02:05
Client ID: MB
Sample Info: 1642780
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3b.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d

Date : 07-OCT-2016 02:05

Client ID: MB

Instrument: 50mv3b.i

Sample Info: 1642780

Purge Volume: 5.0

Operator: jlz

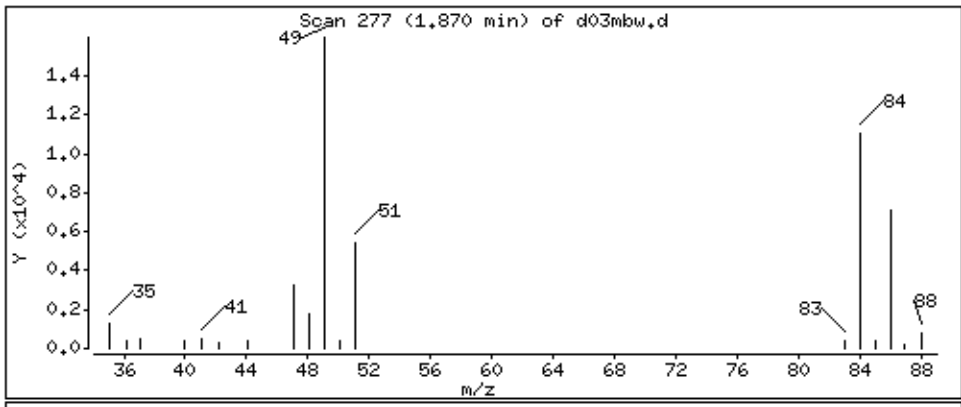
Column phase: DB-624

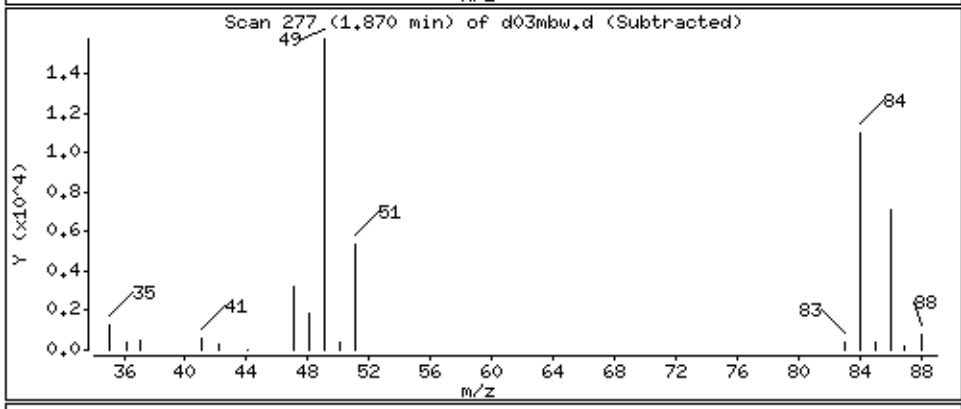
Column diameter: 0.18

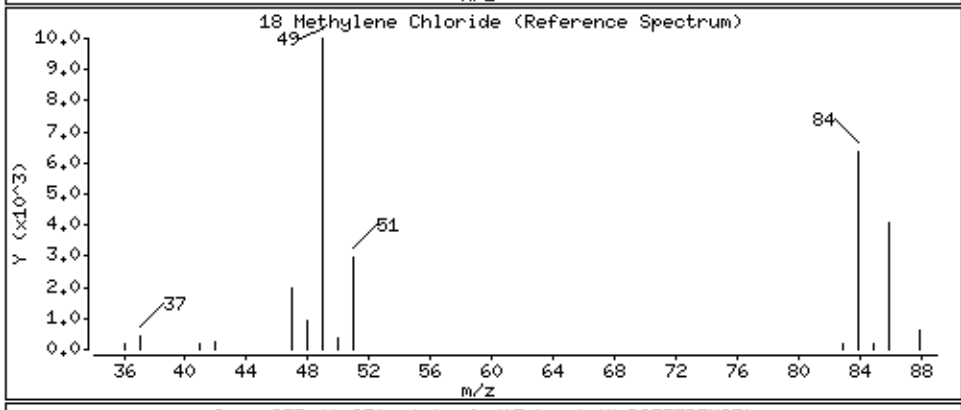
18 Methylene Chloride

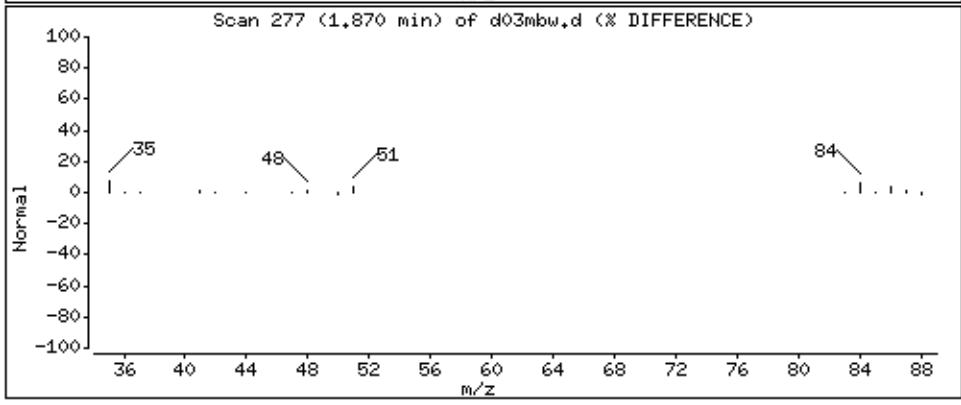
Concentration: 5.60 ppb

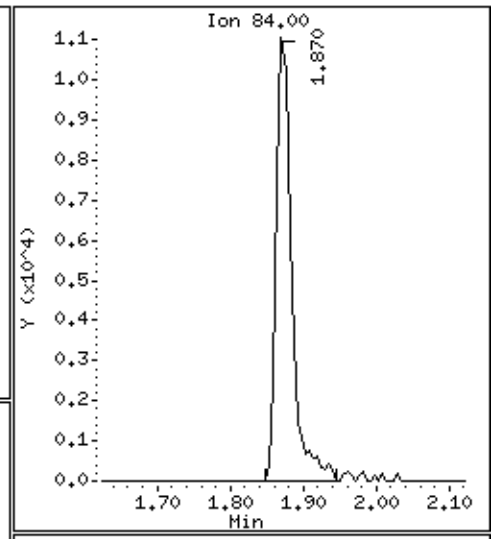
Review Code:

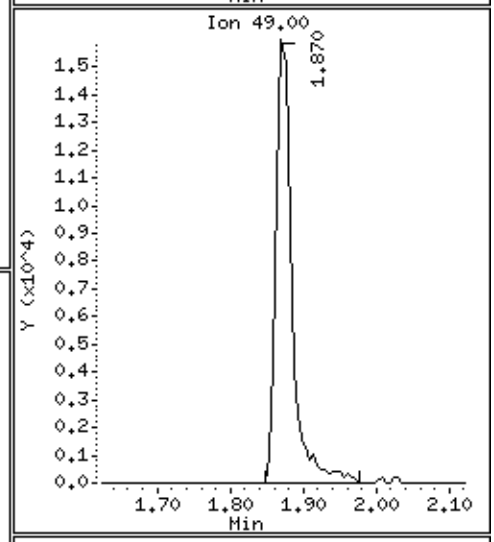


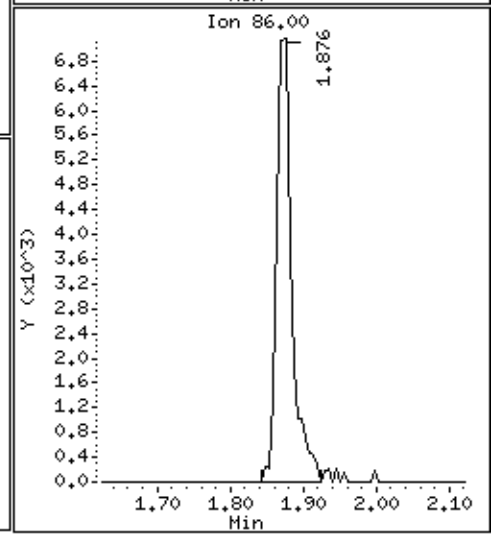












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d

Date : 07-OCT-2016 02:05

Client ID: MB

Instrument: 50mv3b.i

Sample Info: 1642780

Purge Volume: 5.0

Operator: jlz

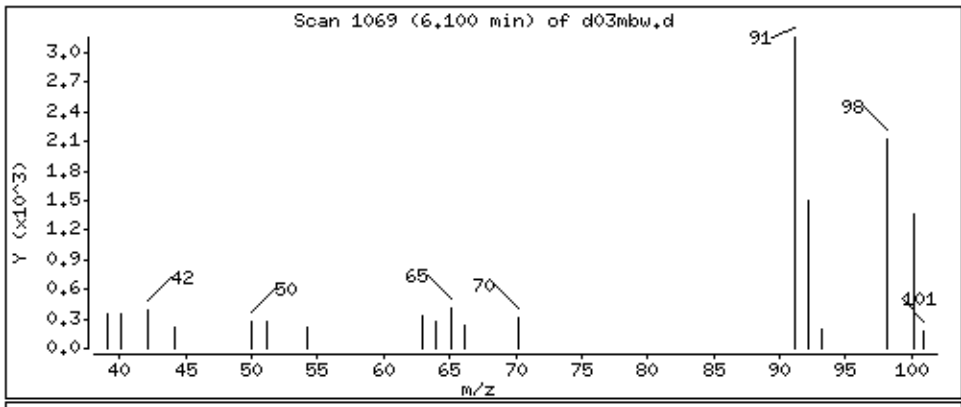
Column phase: DB-624

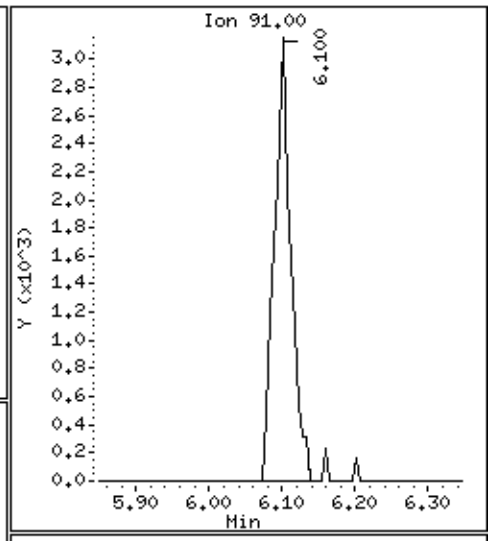
Column diameter: 0.18

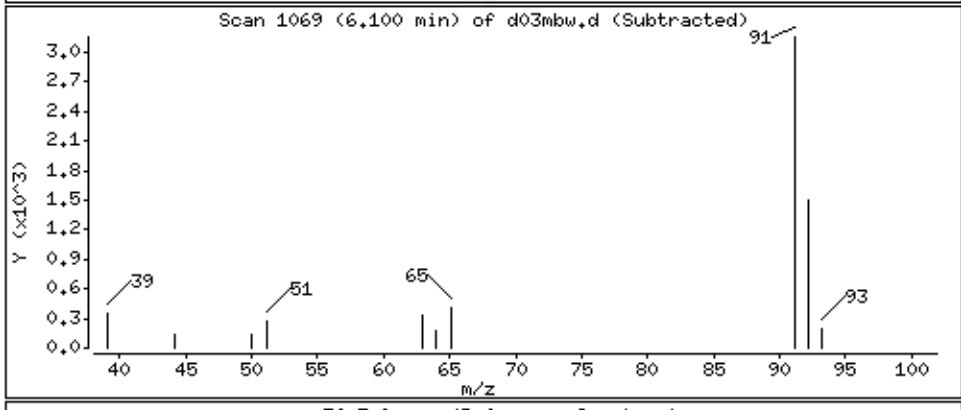
56 Toluene

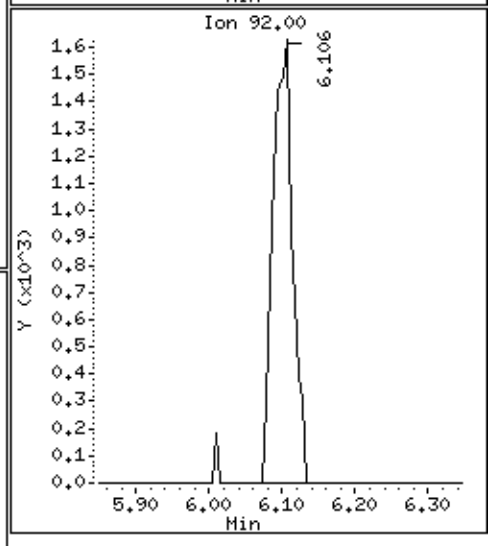
Concentration: 0.439 ppb

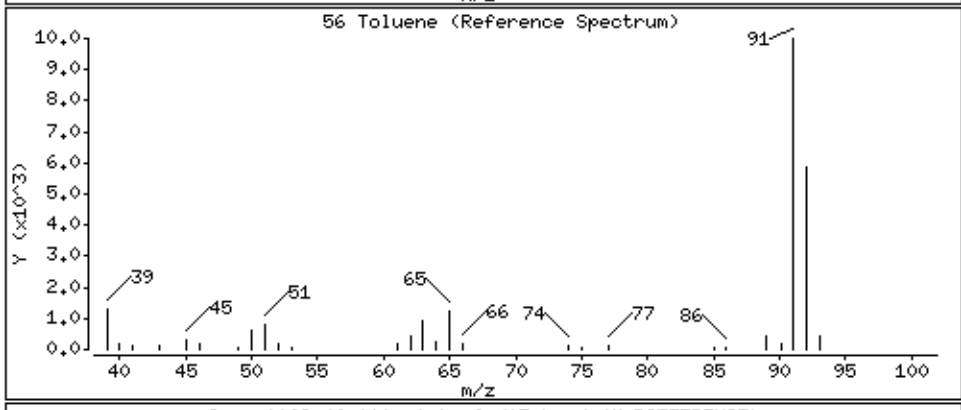
Review Code:

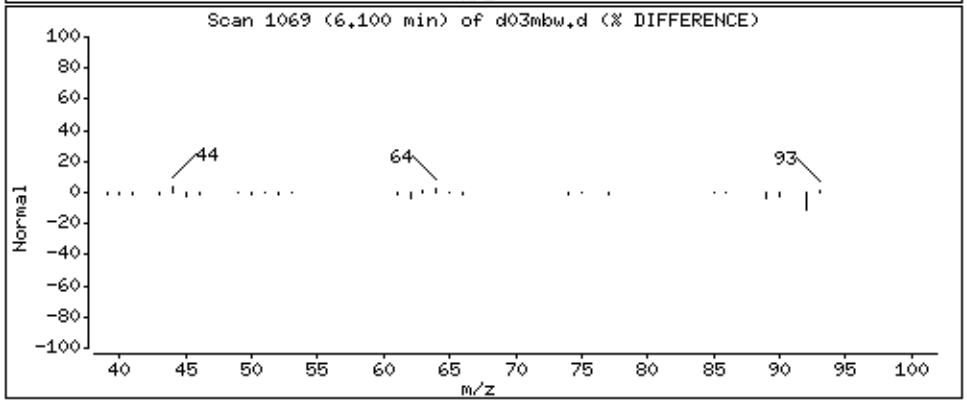












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d

Date : 07-OCT-2016 02:05

Client ID: MB

Instrument: 50mv3b.i

Sample Info: 1642780

Purge Volume: 5.0

Operator: jlz

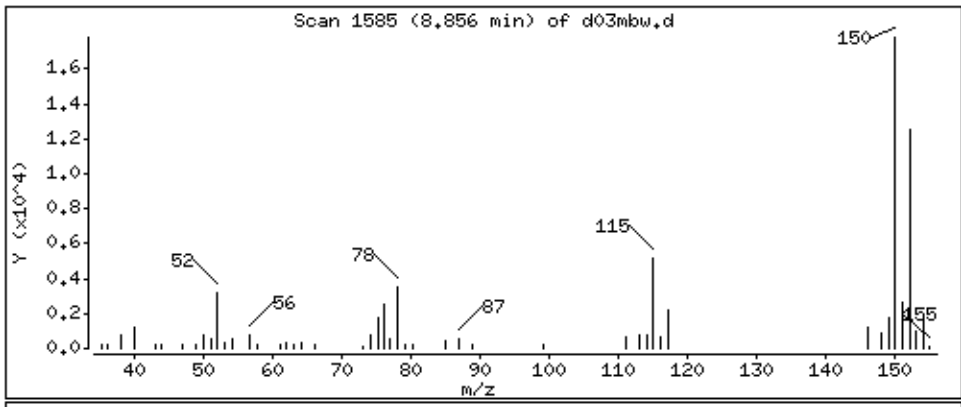
Column phase: DB-624

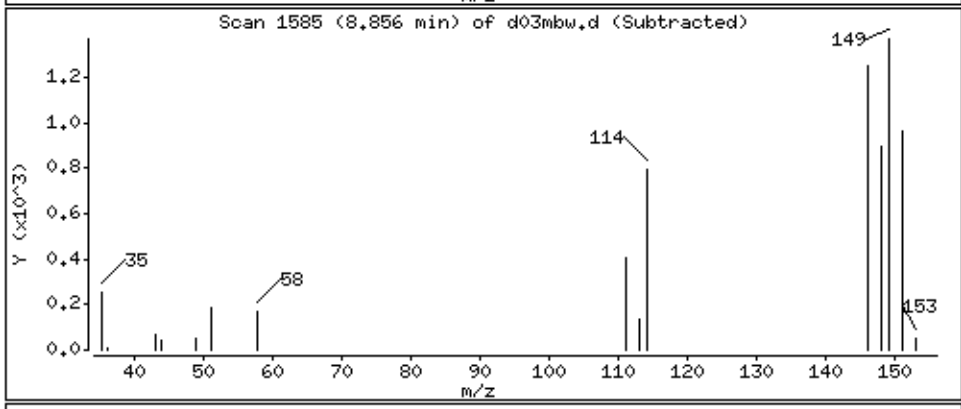
Column diameter: 0.18

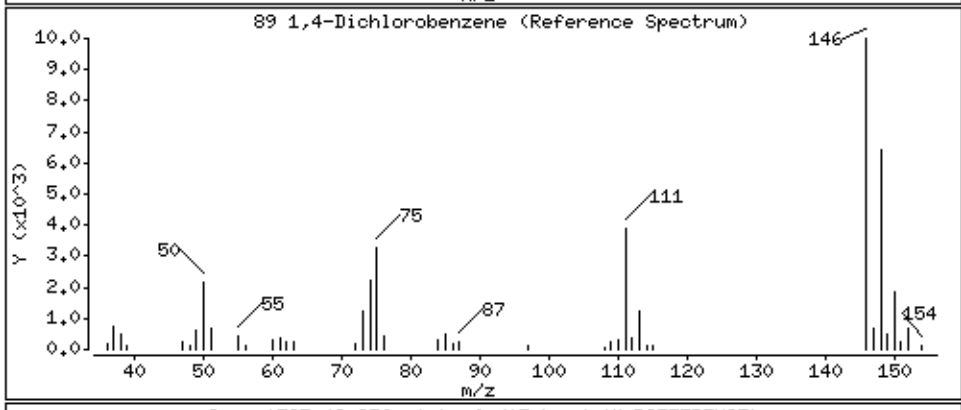
89 1,4-Dichlorobenzene

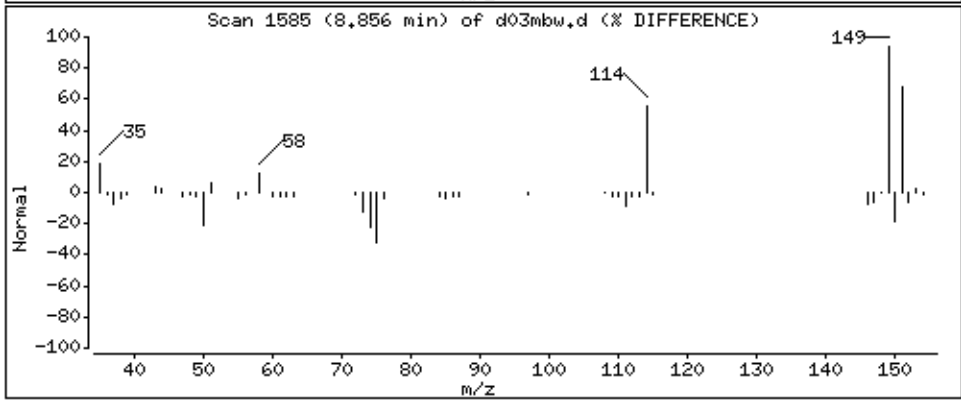
Concentration: 0.290 ppb

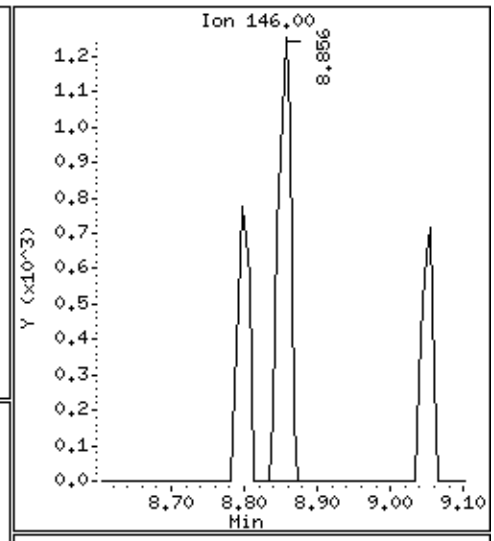
Review Code:

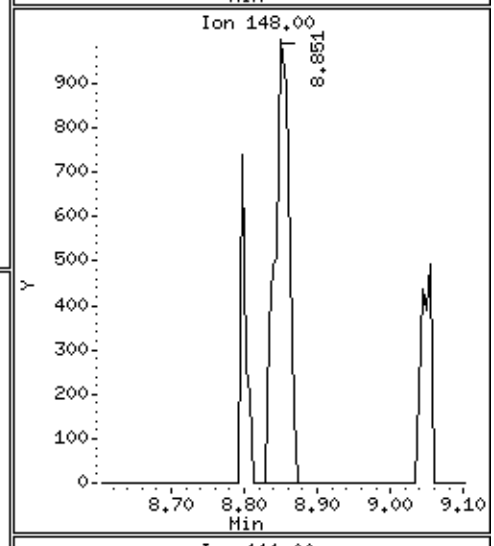


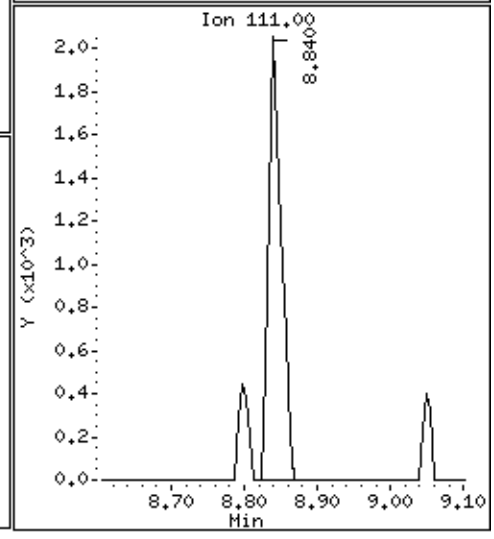












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d

Date : 07-OCT-2016 02:05

Client ID: MB

Instrument: 50mv3b.i

Sample Info: 1642780

Purge Volume: 5.0

Operator: jlz

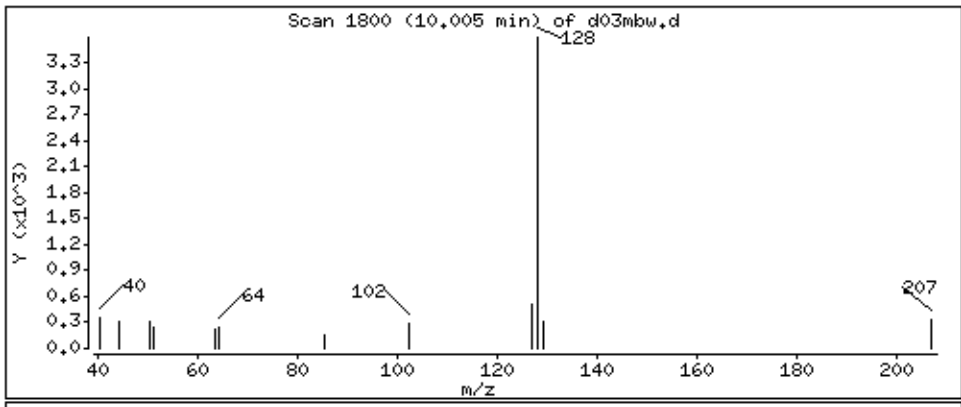
Column phase: DB-624

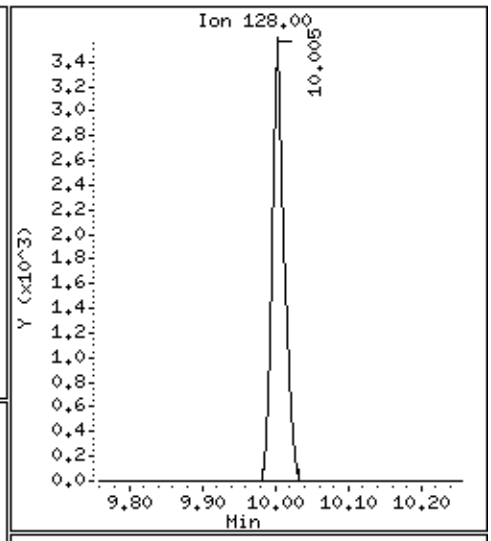
Column diameter: 0.18

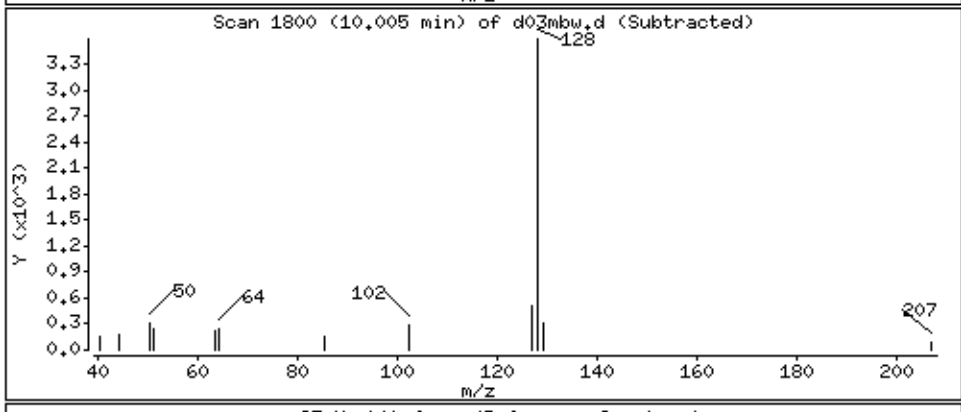
95 Naphthalene

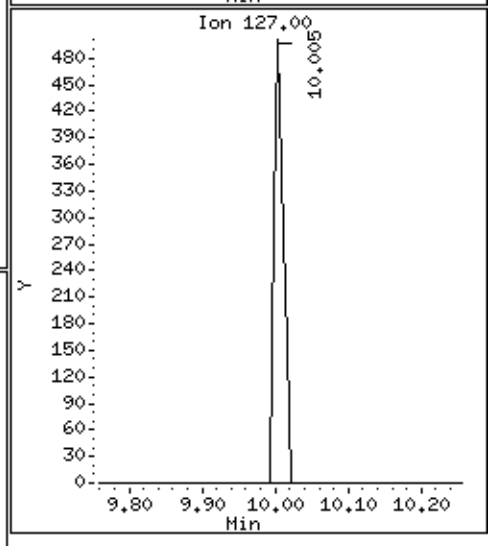
Concentration: 0.685 ppb

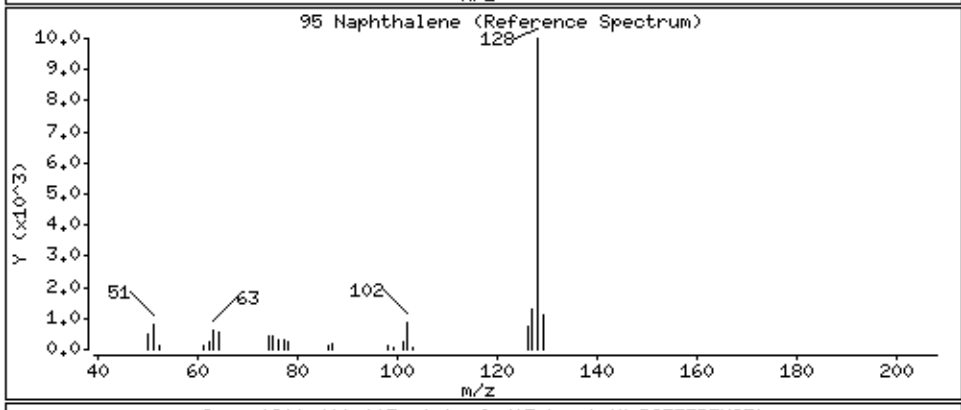
Review Code:

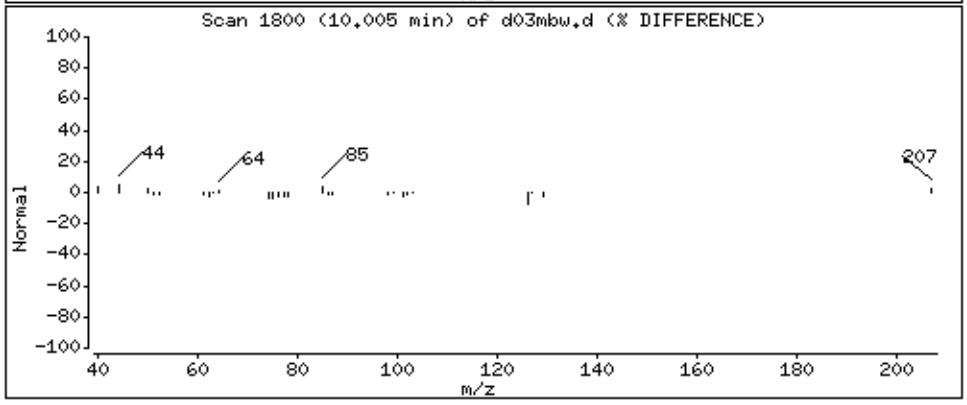












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d

Date : 07-OCT-2016 02:05

Client ID: MB

Instrument: 50mv3b.i

Sample Info: 1642780

Purge Volume: 5.0

Operator: jlz

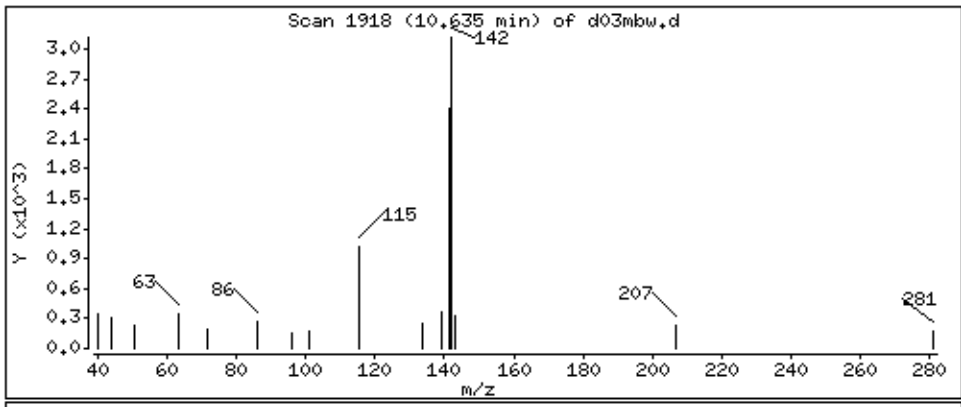
Column phase: DB-624

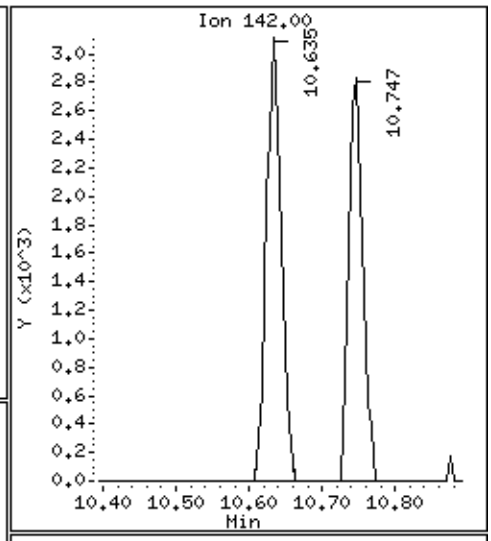
Column diameter: 0.18

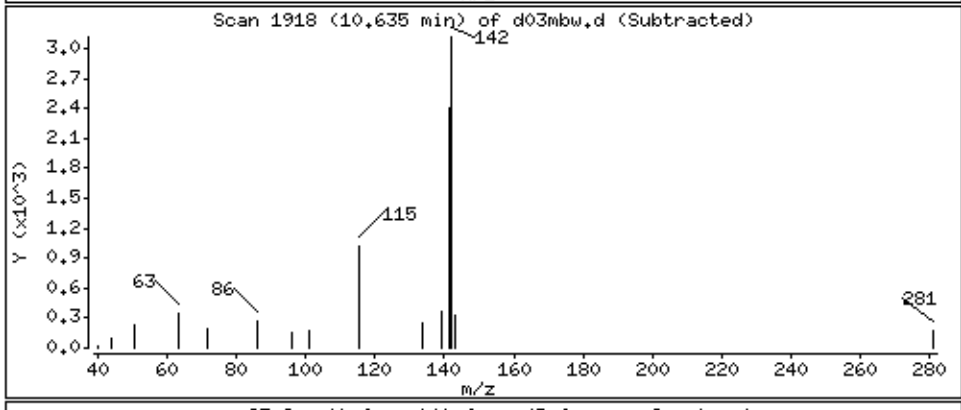
97 2,methyl-naphthalene

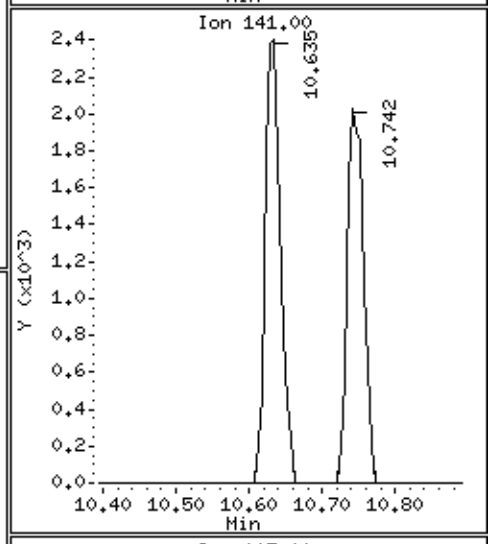
Concentration: 1.30 ppb

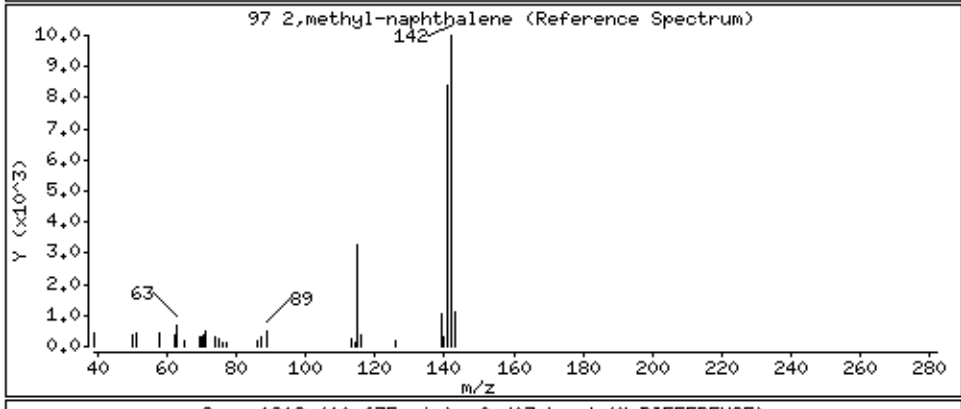
Review Code:

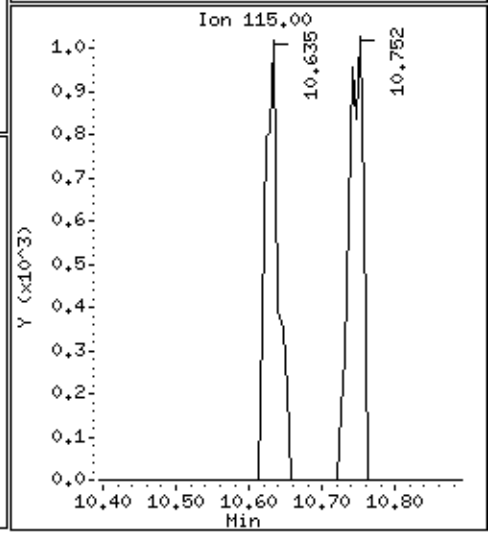


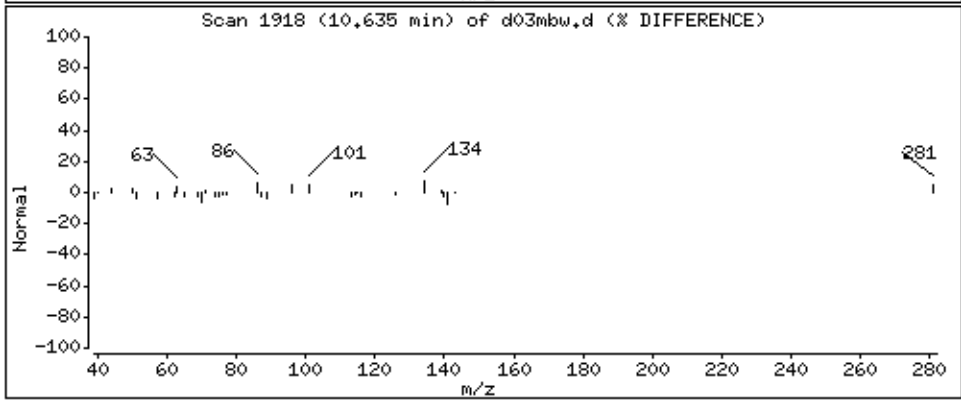












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d03mbw.d

Date : 07-OCT-2016 02:05

Client ID: MB

Instrument: 50mv3b.i

Sample Info: 1642780

Purge Volume: 5.0

Operator: jlz

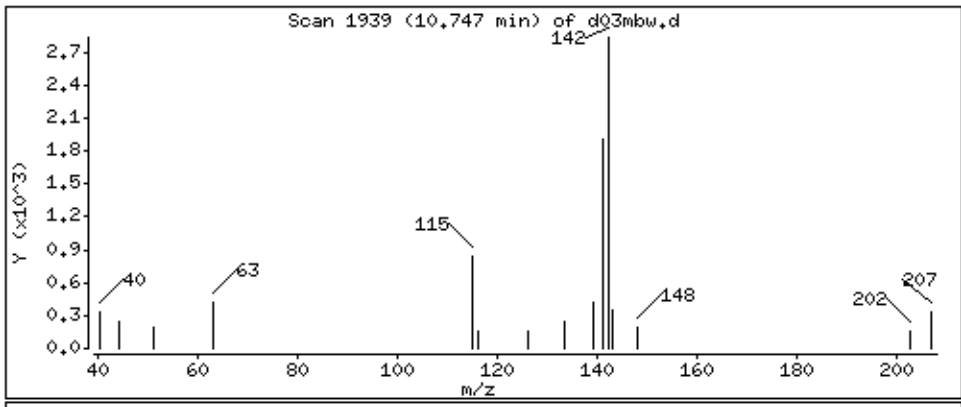
Column phase: DB-624

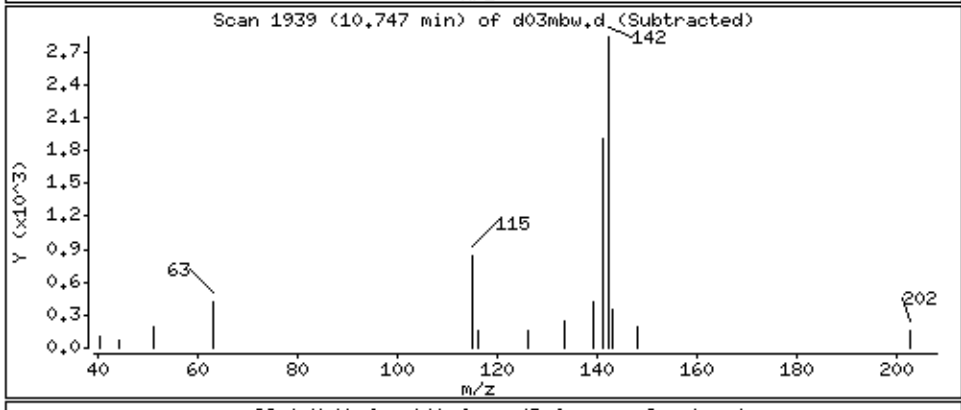
Column diameter: 0.18

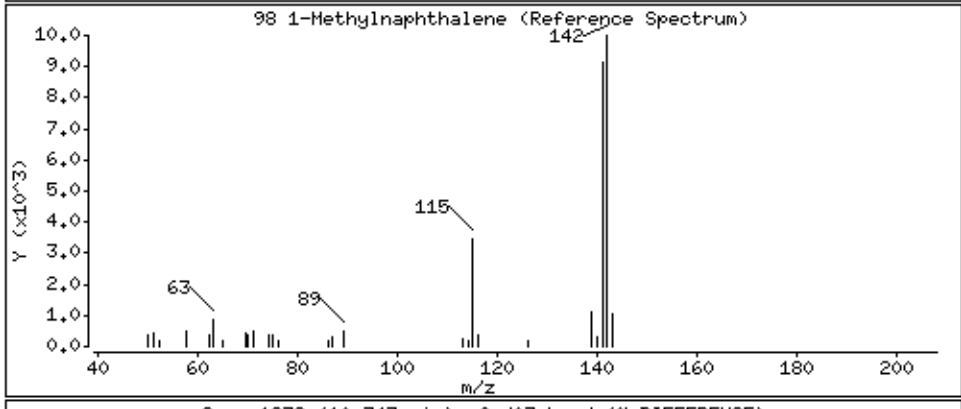
98 1-Methylnaphthalene

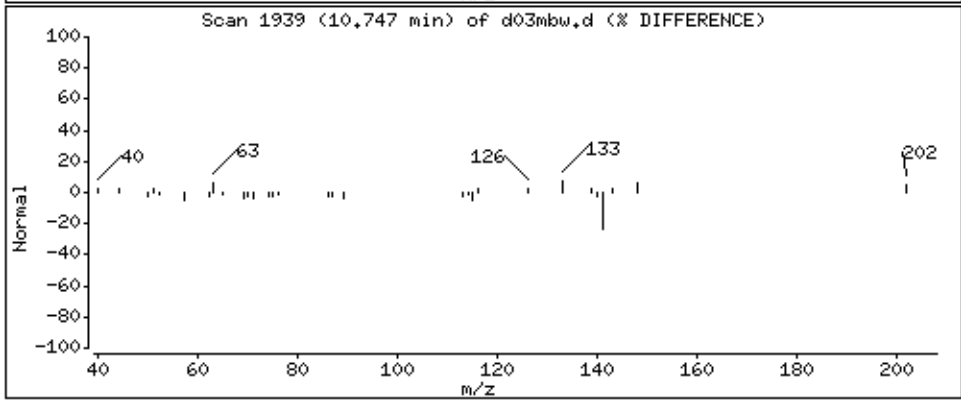
Concentration: 1.46 ppb

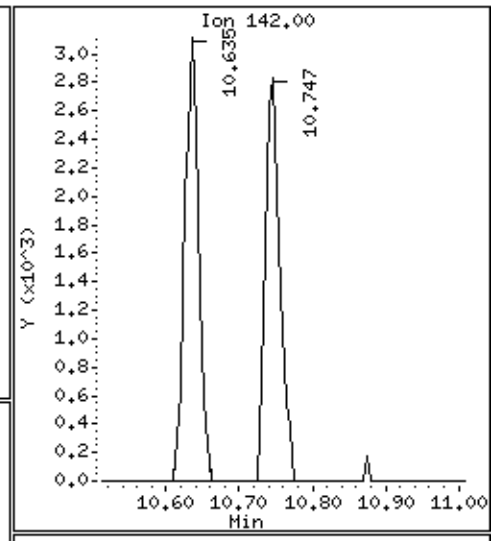
Review Code:

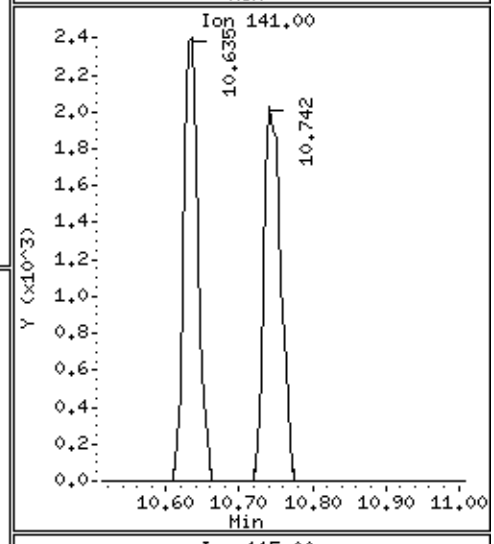


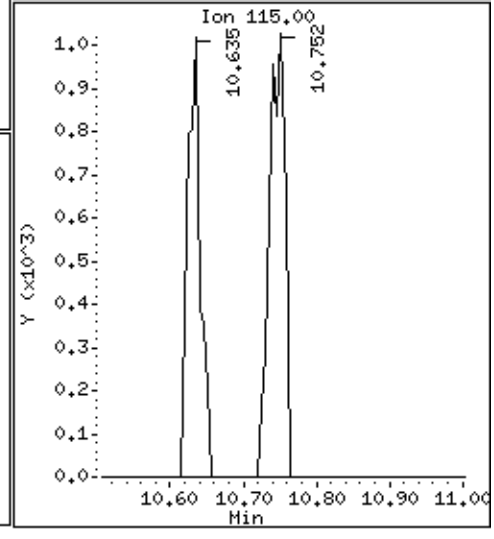












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d03mbw.d
Injection Date: 07-OCT-2016 02:05
Instrument: 50mv3b.i
Lab Sample ID: 1642780
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

LCS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 01:33 Lab Sample ID: 1642781

Date Analyzed: 10/07/2016 01:33 Lab File ID: B100616.B\D02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	228	
71-43-2	Benzene	46.9	
75-27-4	Bromodichloromethane	50.9	
75-25-2	Bromoform	50.6	
74-83-9	Bromomethane	39.0	
78-93-3	2-Butanone (MEK)	260	
75-15-0	Carbon disulfide	44.2	
56-23-5	Carbon tetrachloride	43.9	
108-90-7	Chlorobenzene	47.9	
75-00-3	Chloroethane	37.4	
67-66-3	Chloroform	43.7	
74-87-3	Chloromethane	32.6	
110-82-7	Cyclohexane	47.8	J
96-12-8	1,2-Dibromo-3-chloropropane	54.6	
124-48-1	Dibromochloromethane	51.0	
106-93-4	1,2-Dibromoethane (EDB)	51.7	
95-50-1	1,2-Dichlorobenzene	49.3	
541-73-1	1,3-Dichlorobenzene	47.9	
106-46-7	1,4-Dichlorobenzene	47.7	
75-71-8	Dichlorodifluoromethane	40.3	
75-34-3	1,1-Dichloroethane	45.1	
107-06-2	1,2-Dichloroethane	41.1	
75-35-4	1,1-Dichloroethene	47.7	
156-59-2	cis-1,2-Dichloroethene	47.0	
156-60-5	trans-1,2-Dichloroethene	46.5	
78-87-5	1,2-Dichloropropane	51.4	
10061-01-5	cis-1,3-Dichloropropene	48.1	
10061-02-6	trans-1,3-Dichloropropene	51.4	
100-41-4	Ethylbenzene	50.5	
591-78-6	2-Hexanone	283	
98-82-8	Isopropylbenzene (Cumene)	51.9	
79-20-9	Methyl acetate	69.3	
108-87-2	Methylcyclohexane	52.7	
75-09-2	Methylene Chloride	55.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	263	
1634-04-4	Methyl-tert-butyl ether	47.4	
100-42-5	Styrene	55.1	

SAMPLE NO.

LCS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 01:33 Lab Sample ID: 1642781

Date Analyzed: 10/07/2016 01:33 Lab File ID: B100616.B\D02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	53.5	
127-18-4	Tetrachloroethene	44.3	
108-88-3	Toluene	43.2	
120-82-1	1,2,4-Trichlorobenzene	52.8	
71-55-6	1,1,1-Trichloroethane	44.2	
79-00-5	1,1,2-Trichloroethane	49.4	
79-01-6	Trichloroethene	48.0	
75-69-4	Trichlorofluoromethane	39.8	
76-13-1	1,1,2-Trichlorotrifluoroethane	45.3	
75-01-4	Vinyl chloride	40.9	
1330-20-7	Xylene (Total)	155	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d
Lab Smp Id: 1642781 Client Smp ID: MBLCS
Inj Date : 07-OCT-2016 01:33
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642781,132007:5
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 52 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.913	0.916	(0.219)	98189	40.2924	40.3	
2	Chloromethane	50	0.993	0.996	(0.238)	118318	32.6139	32.6	
3	Vinyl Chloride	62	1.041	1.044	(0.250)	127182	40.8730	40.9	
4	Bromomethane	94	1.190	1.188	(0.285)	52783	38.9549	39.0	
5	Chloroethane	64	1.233	1.236	(0.296)	68057	37.3719	37.4	
6	Trichlorofluoromethane	101	1.351	1.348	(0.324)	133929	39.7957	39.8	
7	Diethyl ether	74	1.473	1.471	(0.353)	46819	44.1659	44.2	
8	1,2-dichlorotrifluoroethane	67	1.489	1.487	(0.357)	106776	40.5860	40.6	
9	Acrolein	56	1.543	1.546	(0.370)	221831	1023.60	1020	
10	1,1,2trichlorotrifluoroethane	101	1.596	1.600	(0.383)	100525	45.2699	45.3	
11	1,1-Dichloroethene	96	1.602	1.600	(0.384)	88600	47.7208	47.7	
12	Acetone	43	1.612	1.610	(0.387)	87215	228.433	228	
13	Iodomethane	142	1.687	1.690	(0.405)	174515	95.6893	95.7	
14	Carbon Disulfide	76	1.735	1.738	(0.416)	277861	44.2022	44.2	
15	Methyl Acetate	43	1.783	1.781	(0.428)	77524	69.3155	69.3	
16	allyl chloride	41	1.794	1.797	(0.430)	325697	85.9194	85.9	
17	Acetonitrile	39	1.799	1.797	(0.431)	205076	37.7256	37.7	
18	Methylene Chloride	84	1.874	1.872	(0.449)	115215	55.5793	55.6	
19	tert-Butyl Alcohol	59	1.911	1.915	(0.458)	14133	97.6475	97.6(Q)	
20	Acrylonitrile	53	2.002	2.005	(0.480)	92240	182.797	183	
21	Methyl-tert-butyl ether	73	2.034	2.032	(0.488)	224551	47.3907	47.4	
22	1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	98781	46.5415	46.5	
23	n-Hexane	57	2.227	2.230	(0.534)	202656	48.5923	48.6	

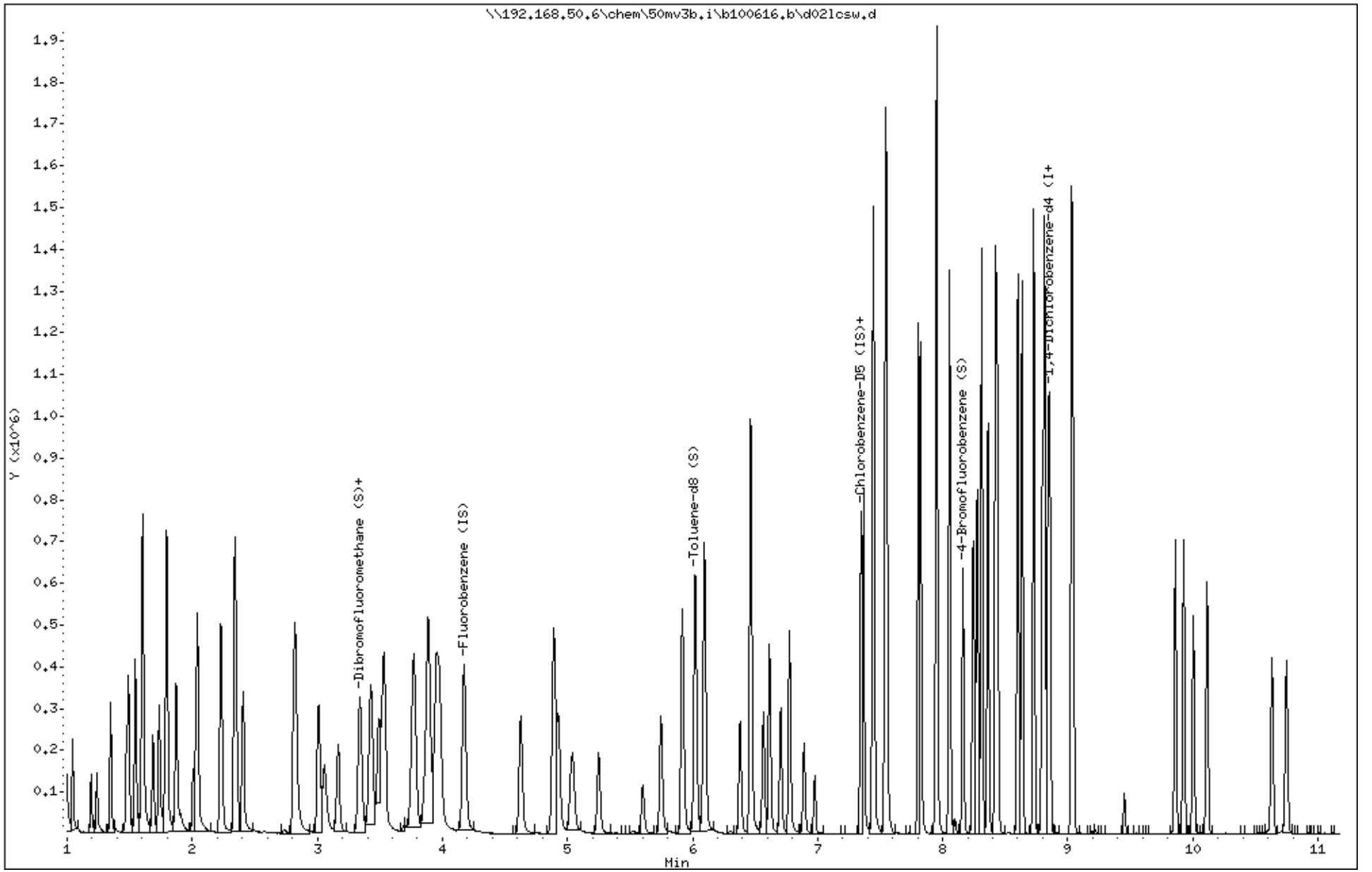
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.339	2.337	(0.561)	676019	222.485	222	
	25 1,1-Dichloroethane	63	2.349	2.347	(0.563)	178966	45.0804	45.1	
	26 Chloroprene	53	2.403	2.406	(0.576)	172996	43.0411	43.0	
	27 2-Butanone	72	2.803	2.807	(0.672)	34758	260.254	260(Q)	
	28 1,2-Dichloroethene (cis)	96	2.825	2.823	(0.677)	105735	47.0412	47.0(Q)	
	29 2,2-Dichloropropane	77	2.830	2.828	(0.679)	132947	42.5872	42.6	
	30 Propionitrile	54	2.867	2.860	(0.688)	8593	45.1687	45.2(Q)	
	31 Methacrylonitrile	41	3.012	3.015	(0.722)	173050	201.530	202	
	32 Bromochloromethane	49	3.054	3.052	(0.732)	73676	42.2449	42.2	
	33 Tetrahydrofuran	42	3.081	3.074	(0.739)	17590	39.7913	39.8	
	34 Chloroform	83	3.167	3.164	(0.759)	165059	43.7492	43.7	
$	35 Dibromofluoromethane (S)	113	3.343	3.341	(0.802)	87706	46.1271	46.1	
	36 1,1,1-Trichloroethane	97	3.343	3.341	(0.802)	149690	44.1801	44.2	
	37 Cyclohexane	56	3.428	3.426	(0.822)	199872	47.7547	47.8	
	151 n-Butyl chloride	56	3.487	3.490	(0.836)	244061	47.2887	47.3	
	38 Carbon Tetrachloride	117	3.524	3.528	(0.845)	131636	43.8829	43.9	
	39 1,1-Dichloropropene	75	3.530	3.533	(0.846)	140531	44.7290	44.7	
	40 Benzene	78	3.775	3.773	(0.905)	405837	46.9238	46.9	
	41 1,2-Dichloroethane	62	3.861	3.859	(0.926)	106083	41.0997	41.1	
	42 Isobutyl alcohol	43	3.888	3.885	(0.932)	741644	57.1255	57.1	
	43 2,2,4-Trimethylpentane	57	3.952	3.950	(0.948)	513740	49.6878	49.7	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	412981	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	99661	48.0421	48.0	
	46 Methylcyclohexane	55	4.892	4.890	(1.173)	177120	52.6751	52.7	
	47 1,2-Dichloropropane	63	4.929	4.927	(1.182)	104963	51.3579	51.4	
	48 Methyl methacrylate	69	5.047	5.045	(1.210)	49147	57.8367	57.8	
	49 Dibromomethane	93	5.025	5.023	(1.205)	45413	47.7012	47.7	
	50 1,4-Dioxane	88	5.036	5.034	(1.207)	14163	1122.81	1120	
	51 Bromodichloromethane	83	5.250	5.253	(1.259)	121436	50.8633	50.9	
	52 2-Chloroethyl vinyl ether	63	5.602	5.600	(0.763)	48757	49.9537	50.0	
	53 cis-1,3-Dichloropropene	75	5.746	5.744	(0.783)	149101	48.1147	48.1	
	54 4-Methyl-2-Pentanone	43	5.917	5.920	(0.806)	355631	263.291	263	
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	400862	46.6717	46.7	
	56 Toluene	91	6.093	6.097	(0.830)	461485	43.2274	43.2	
	57 trans-1,3-Dichloropropene	75	6.382	6.380	(0.869)	124547	51.4365	51.4	
	58 Ethyl Methacrylate	69	6.462	6.465	(0.880)	421434	222.544	222	
	59 1,1,2-Trichloroethane	83	6.563	6.567	(0.894)	58411	49.3669	49.4	
	60 Tetrachloroethene	166	6.617	6.620	(0.901)	105577	44.2549	44.2	
	61 1,3-Dichloropropane	76	6.708	6.706	(0.913)	134127	52.7871	52.8	
	62 2-Hexanone	43	6.777	6.775	(0.923)	250754	283.498	283	
	63 Dibromochloromethane	129	6.889	6.893	(0.938)	87527	50.9664	51.0	
	64 1,2-Dibromoethane	107	6.975	6.973	(0.950)	69333	51.6755	51.7	
*	65 Chlorobenzene-D5 (IS)	117	7.343	7.347	(1.000)	290740	50.0000		
	66 Chlorobenzene	112	7.365	7.368	(1.003)	290580	47.9230	47.9	
	67 1,1,1,2-Tetrachloroethane	131	7.445	7.443	(1.014)	97681	52.0476	52.0	
	68 Ethylbenzene	106	7.450	7.448	(1.015)	169696	50.5085	50.5	
	69 m&p-Xylene	106	7.546	7.549	(1.028)	424012	102.354	102	
	70 o-Xylene	106	7.808	7.811	(1.063)	200179	52.4993	52.5	
	71 Styrene	104	7.824	7.822	(1.065)	353073	55.1498	55.1	
	72 Bromoform	173	7.941	7.945	(0.898)	46702	50.6169	50.6	
	73 Isopropylbenzene	105	8.054	8.052	(1.097)	574600	51.9194	51.9	
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	142009	52.5256	52.5	
	75 Bromobenzene	77	8.241	8.244	(1.122)	188503	50.9274	50.9	
	76 1,1,2,2-Tetrachloroethane	83	8.257	8.254	(0.934)	87384	53.4550	53.4	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
77	trans-1,4-Dichloro-2-butene	53	8.273	8.276	(1.127)	98981	201.031	201(Q)	
78	1,2,3-Trichloropropane	110	8.283	8.287	(0.937)	27227	56.5472	56.5(Q)	
79	n-Propylbenzene	91	8.310	8.313	(0.940)	675147	53.7542	53.8	
80	2-Chlorotoluene	91	8.363	8.361	(0.946)	375883	52.9662	53.0	
81	1,3,5-Trimethylbenzene	105	8.422	8.420	(0.953)	457523	53.3283	53.3	
82	4-Chlorotoluene	126	8.438	8.436	(0.955)	127729	50.7359	50.7	
83	tert-Butylbenzene	119	8.604	8.602	(0.973)	424339	42.5515	42.6	
84	1,2,4-Trimethylbenzene	105	8.636	8.634	(0.977)	462455	52.6134	52.6	
85	sec-Butylbenzene	105	8.727	8.730	(0.987)	644994	54.5595	54.6	
86	1,3-Dichlorobenzene	146	8.796	8.794	(0.995)	224502	47.8945	47.9	
87	p-Isopropyltoluene	119	8.812	8.815	(0.997)	532981	53.4472	53.4	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	143658	50.0000		
89	1,4-Dichlorobenzene	146	8.855	8.853	(1.002)	231695	47.7335	47.7	
90	n-Butylbenzene	91	9.031	9.029	(1.022)	487512	53.4367	53.4	
91	1,2-Dichlorobenzene	146	9.042	9.045	(1.023)	210270	49.3298	49.3	
92	1,2-Dibromo-3-chloropropane	155	9.453	9.456	(1.069)	12980	54.6323	54.6	
93	1,2,4-Trichlorobenzene	180	9.859	9.867	(1.115)	148126	52.7902	52.8	
94	Hexachlorobutadiene	225	9.928	9.932	(1.123)	95571	55.7900	55.8	
95	Naphthalene	128	10.003	10.006	(1.132)	302557	54.2637	54.3	
96	1,2,3-Trichlorobenzene	180	10.115	10.124	(1.144)	136214	53.8904	53.9	
97	2,methyl-naphthalene	142	10.633	10.642	(1.203)	171772	51.8205	51.8	
98	1-Methylnaphthalene	142	10.746	10.759	(1.216)	173062	63.0748	63.1	
99	Isopropyl Acetate	61	3.882	3.885	(0.931)	145626	317.961	318	
100	Ethyl Acetate	88	2.830	2.849	(0.679)	1679	34.3421	34.3(Q)	
101	n-amyl Acetate	70	7.952	7.950	(1.907)	256333	86.7023	86.7	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d
Date : 07-OCT-2016 01:33
Client ID: MBLCS
Instrument: 50mv3b.i
Sample Info: 1642781,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

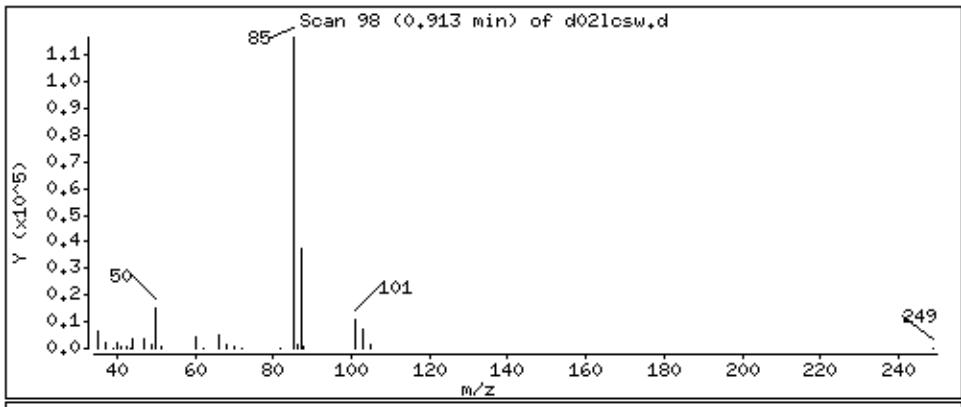
Column phase: DB-624

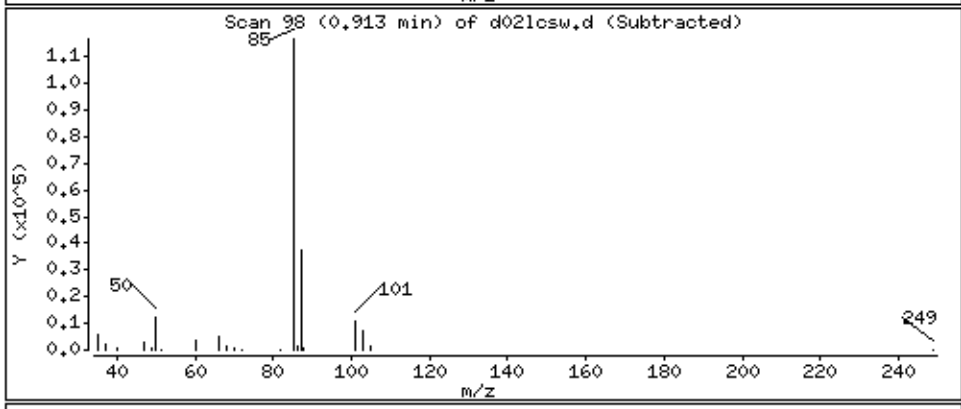
Column diameter: 0.18

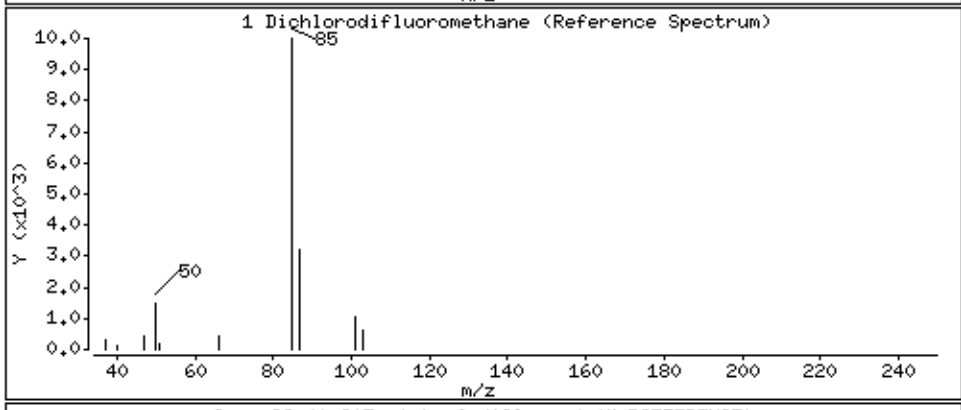
1 Dichlorodifluoromethane

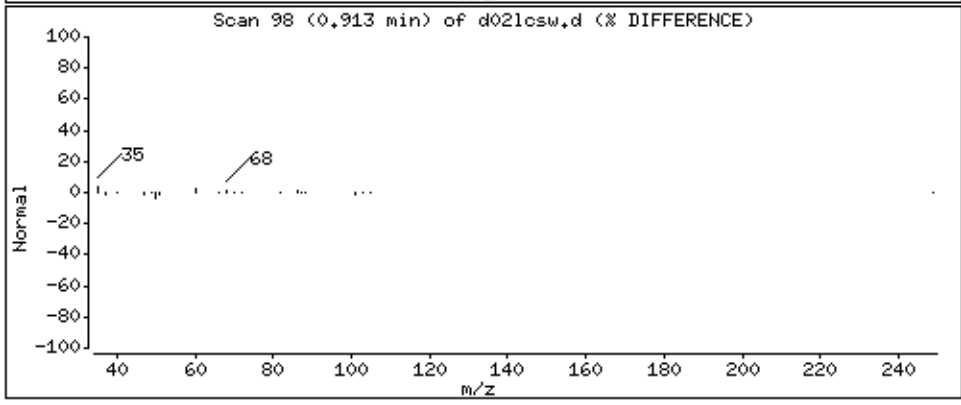
Concentration: 40.3 ppb

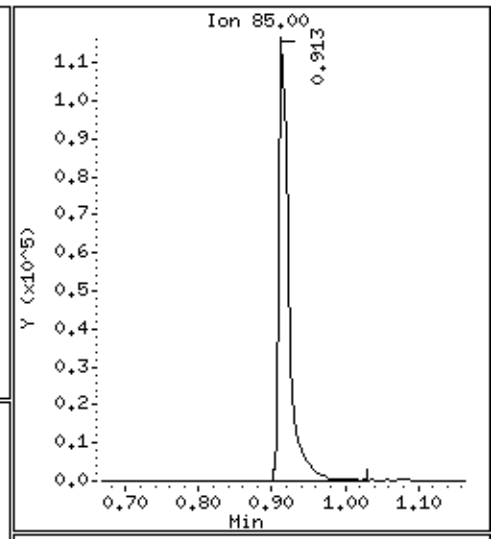
Review Code:

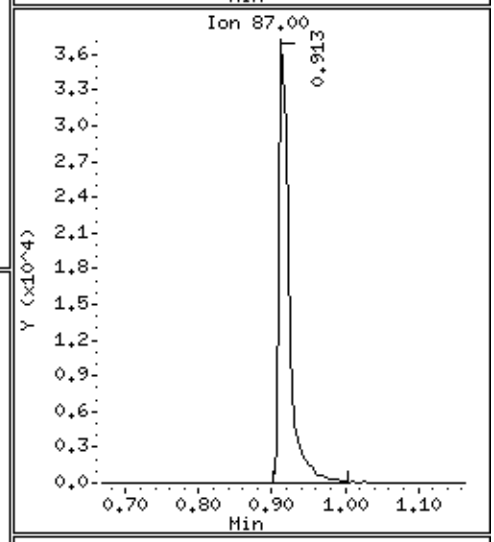


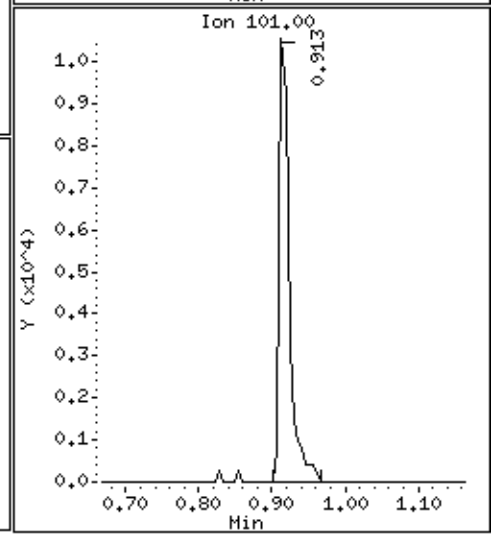












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

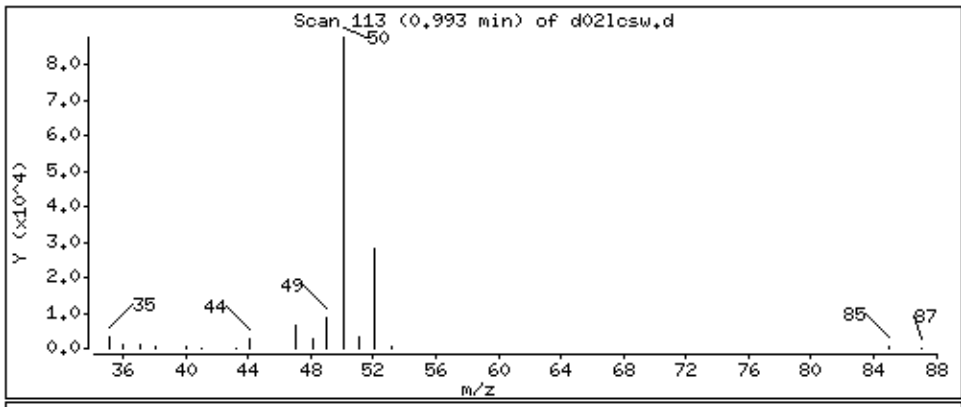
Column phase: DB-624

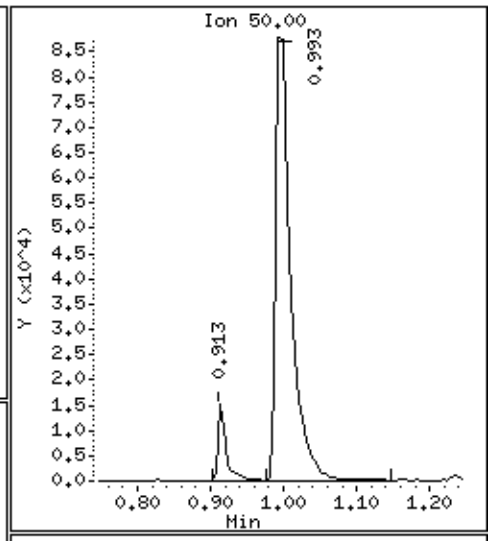
Column diameter: 0.18

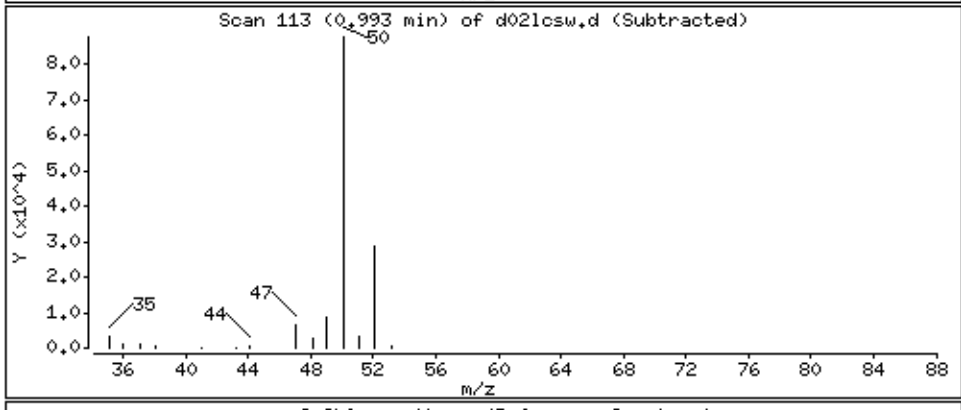
2 Chloromethane

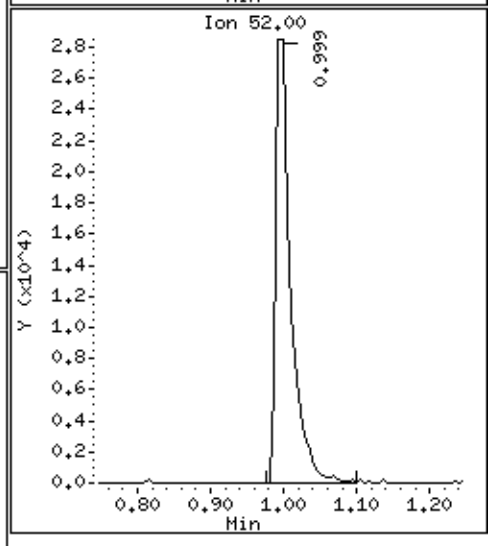
Concentration: 32.6 ppb

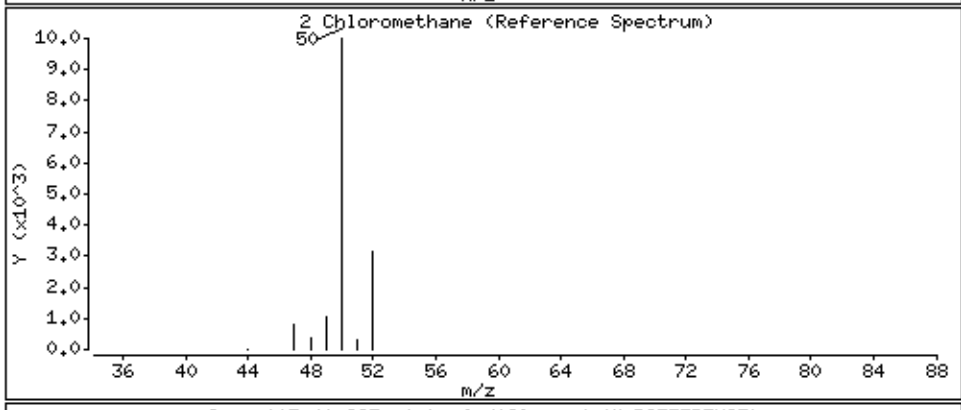
Review Code:

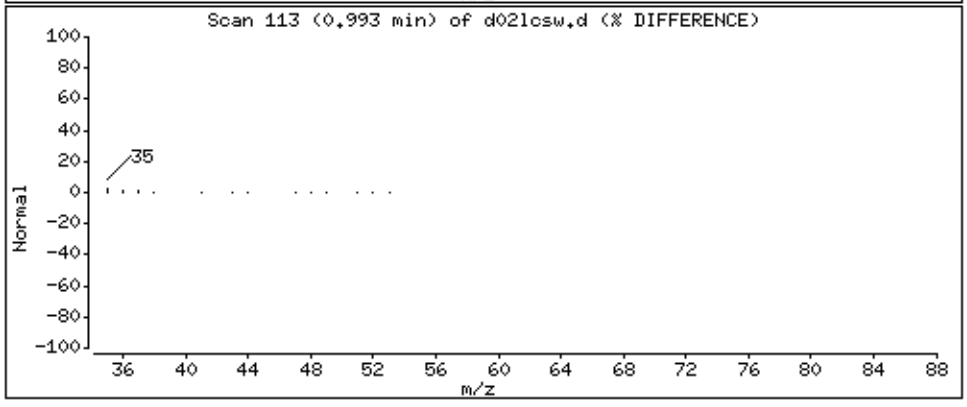












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

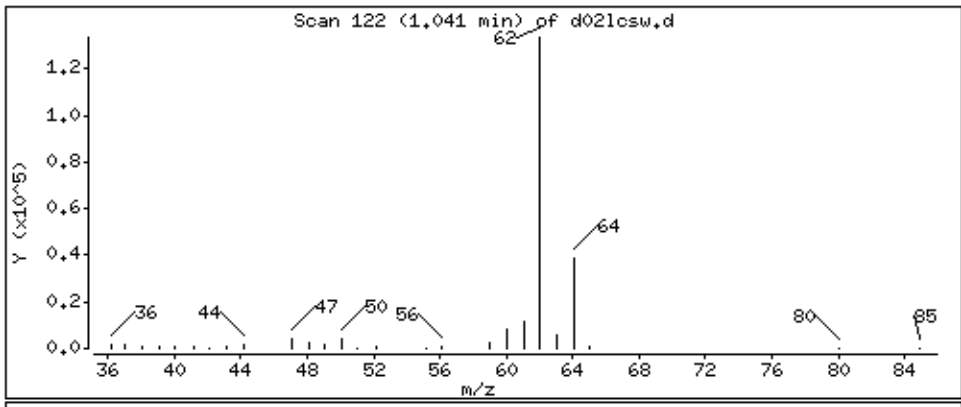
Column phase: DB-624

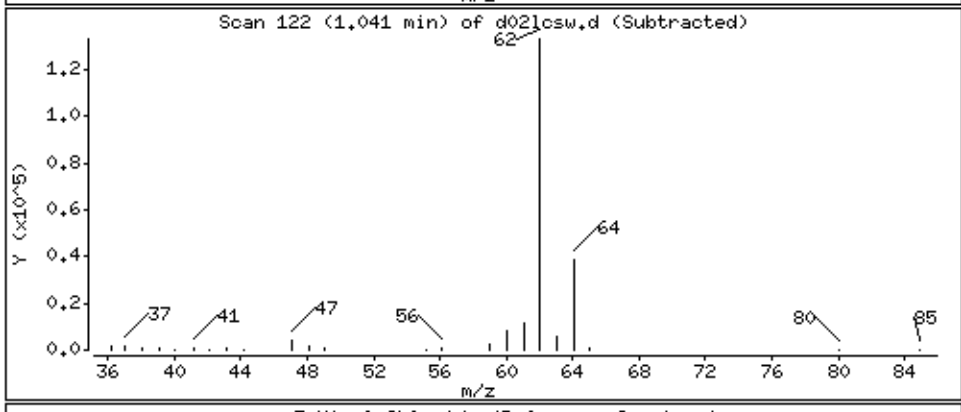
Column diameter: 0.18

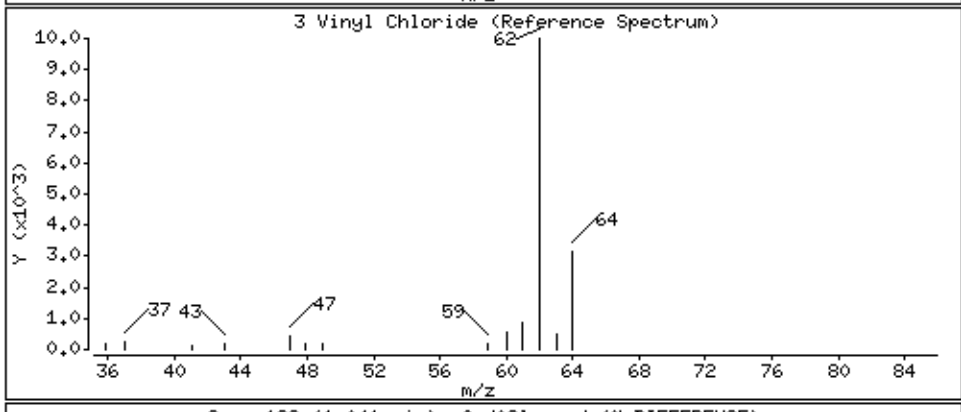
3 Vinyl Chloride

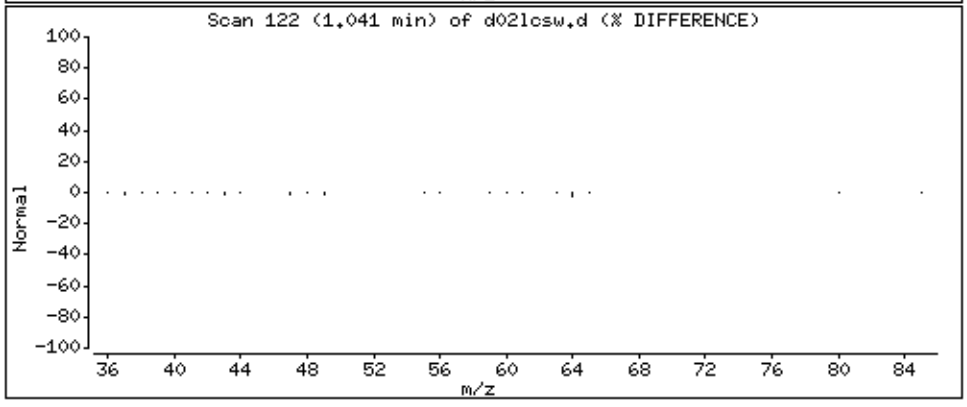
Concentration: 40.9 ppb

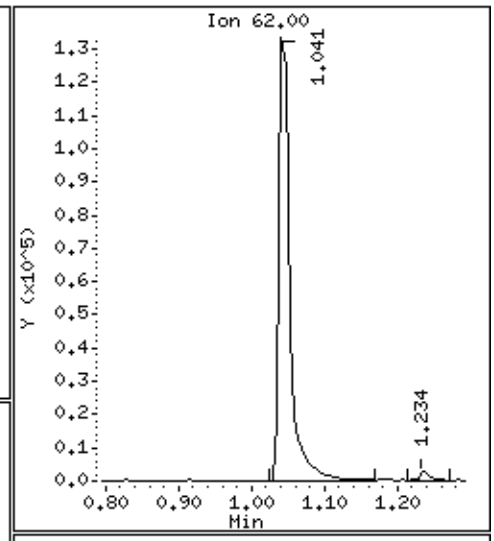
Review Code:

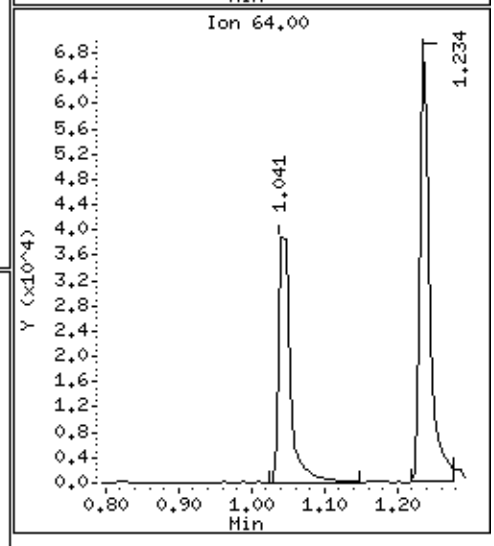












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

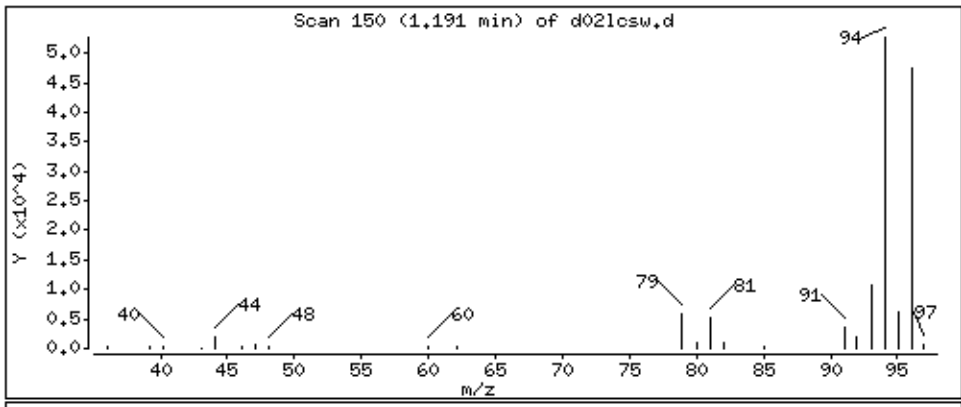
Column phase: DB-624

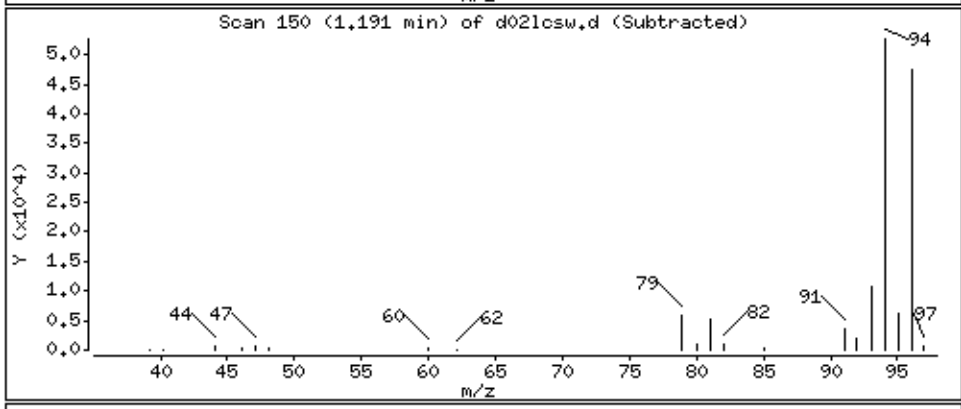
Column diameter: 0.18

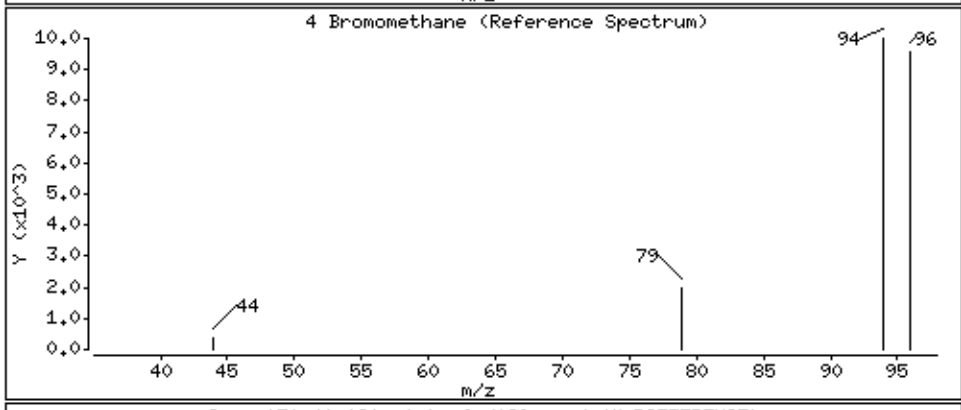
4 Bromomethane

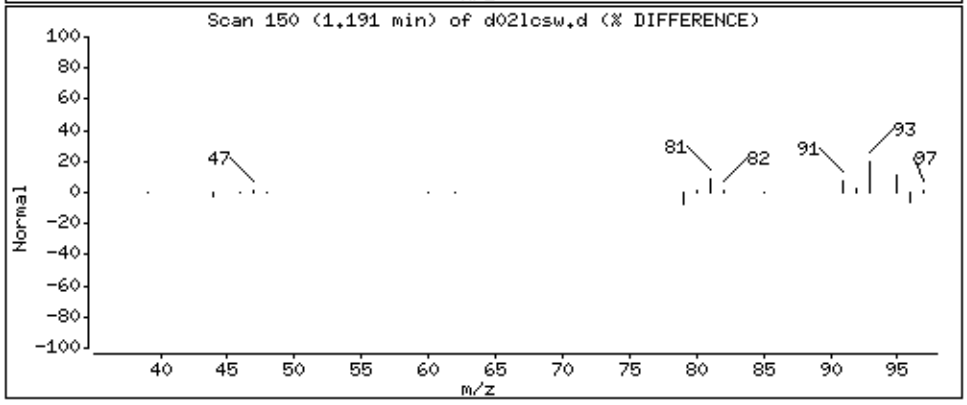
Concentration: 39.0 ppb

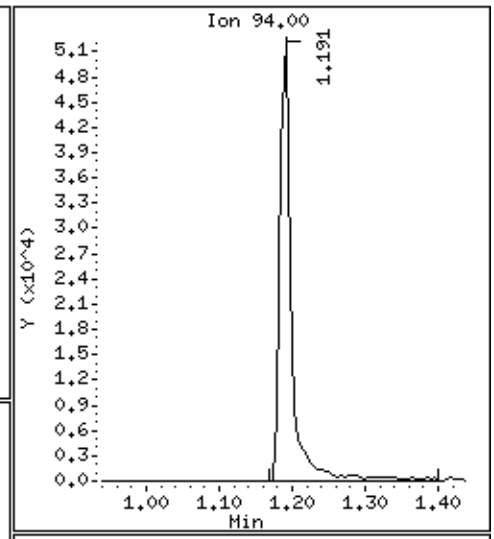
Review Code:

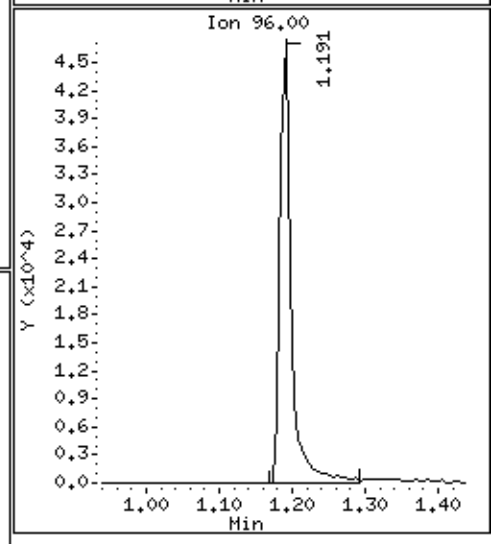












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

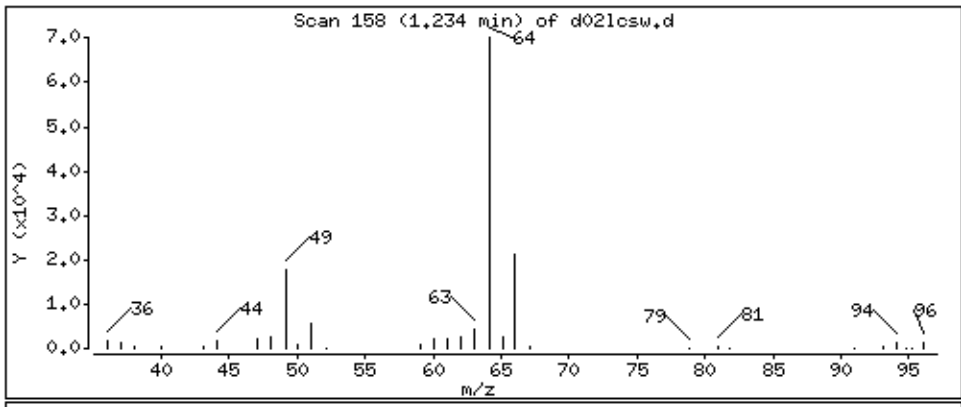
Column phase: DB-624

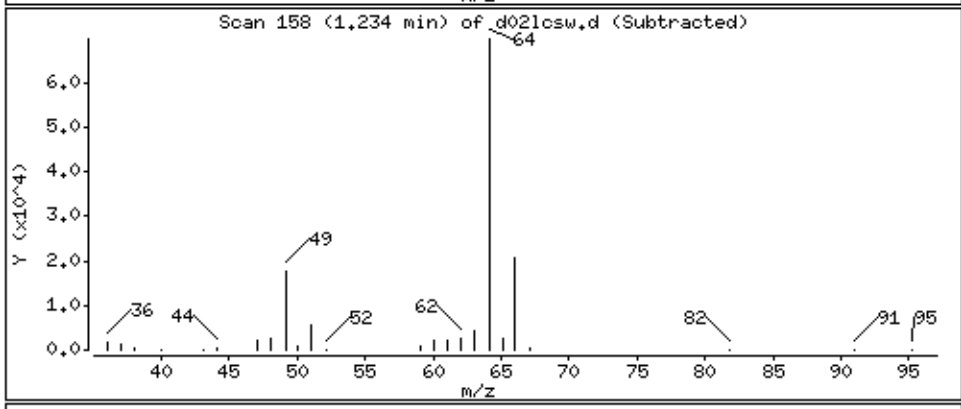
Column diameter: 0.18

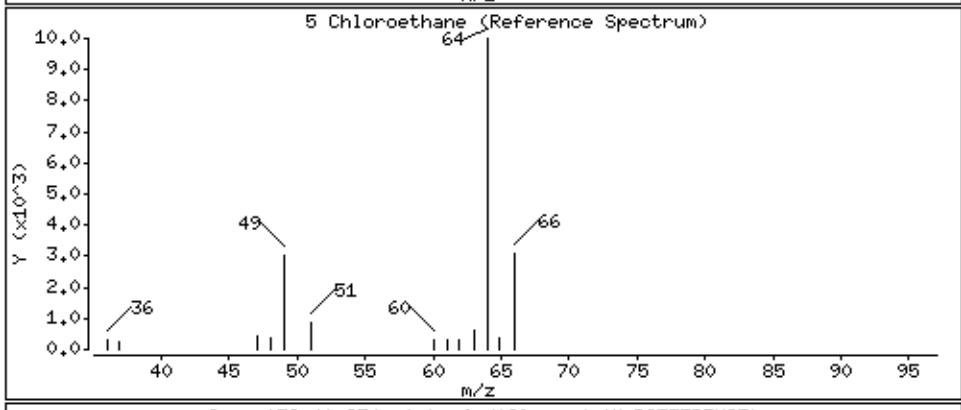
5 Chloroethane

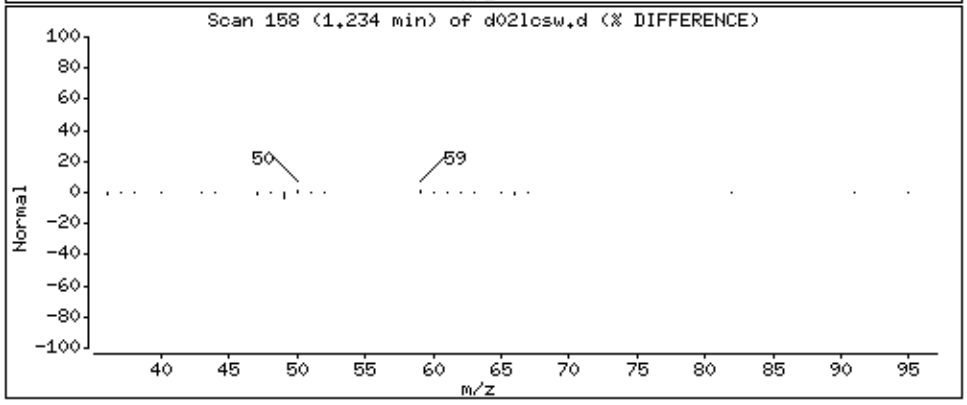
Concentration: 37.4 ppb

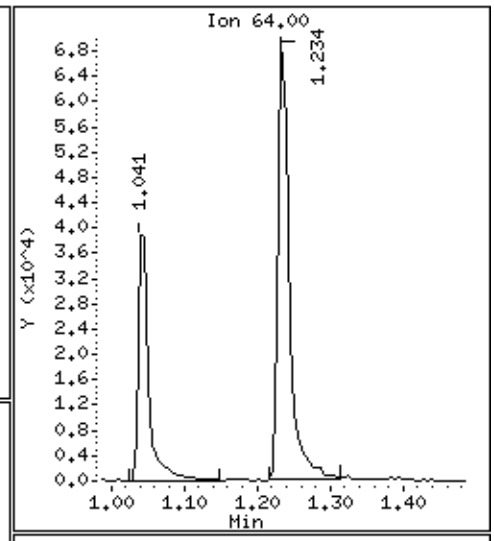
Review Code:

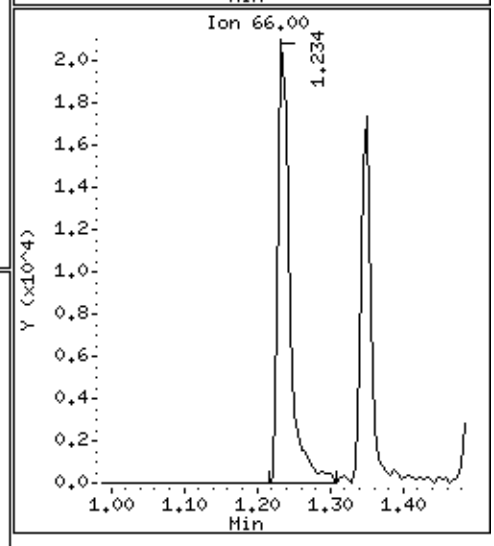












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

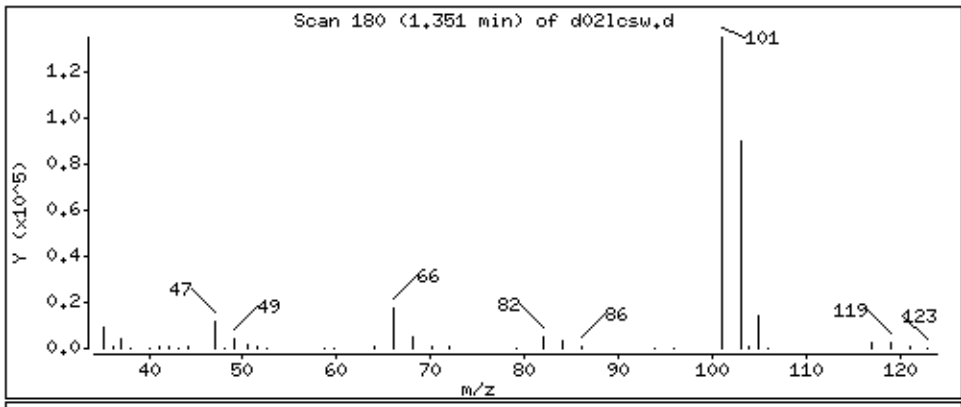
Column phase: DB-624

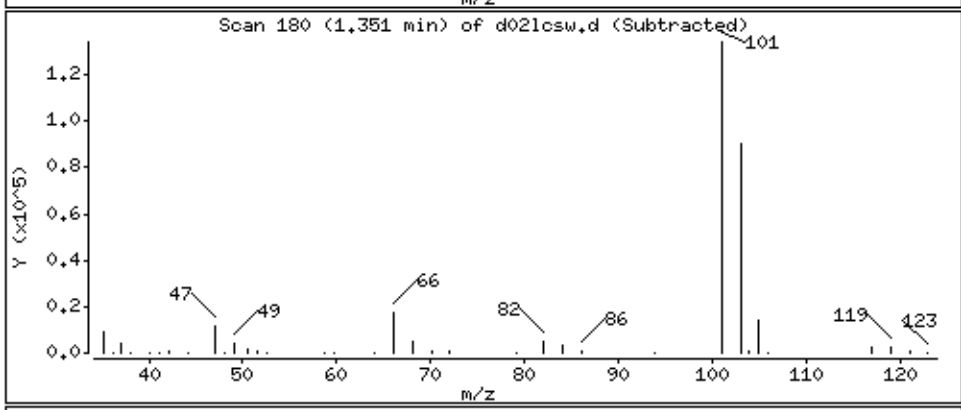
Column diameter: 0.18

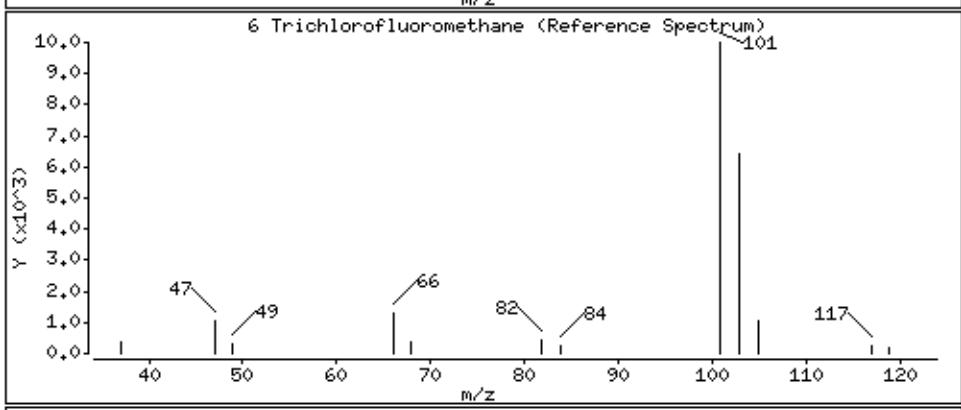
6 Trichlorofluoromethane

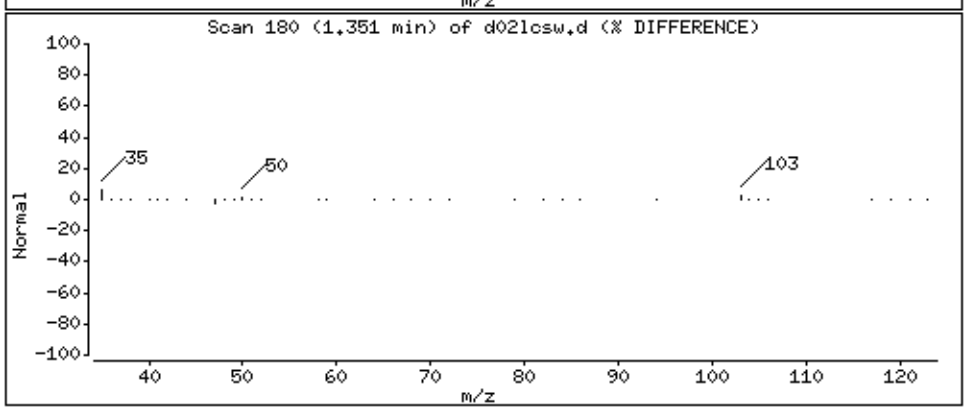
Concentration: 39.8 ppb

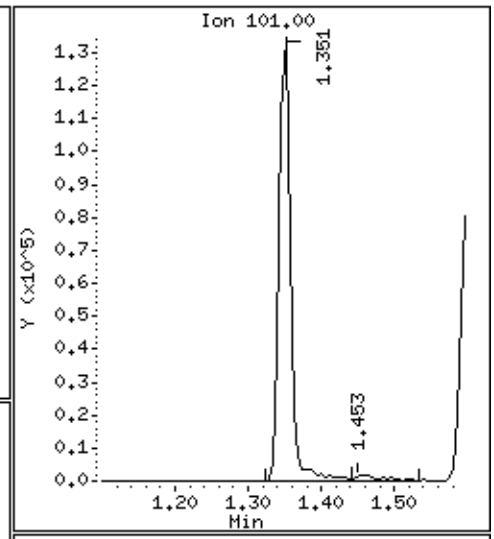
Review Code:

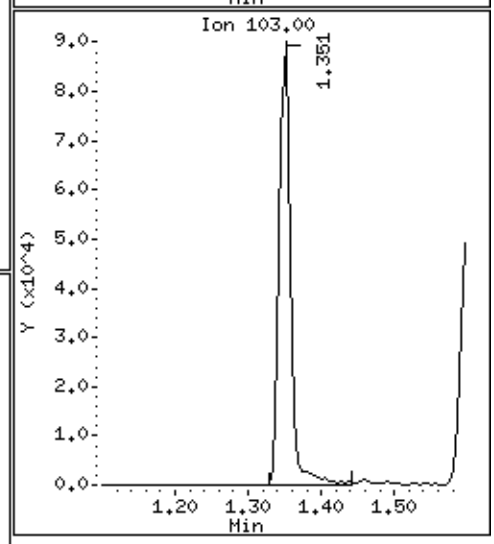












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

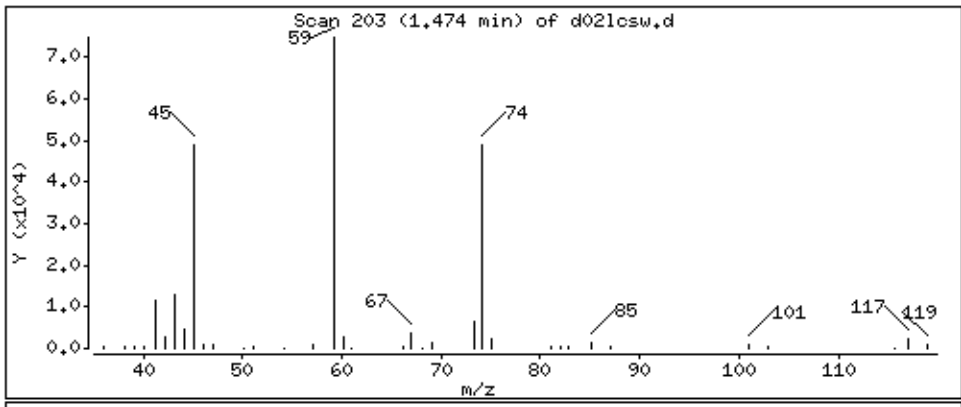
Column phase: DB-624

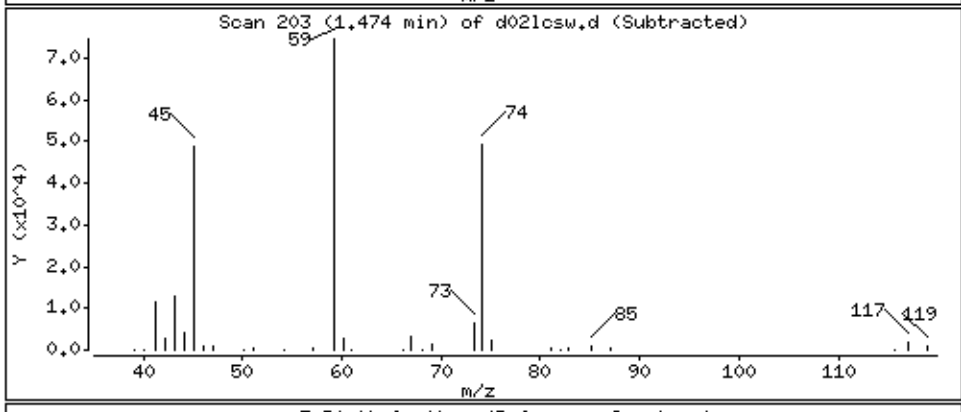
Column diameter: 0.18

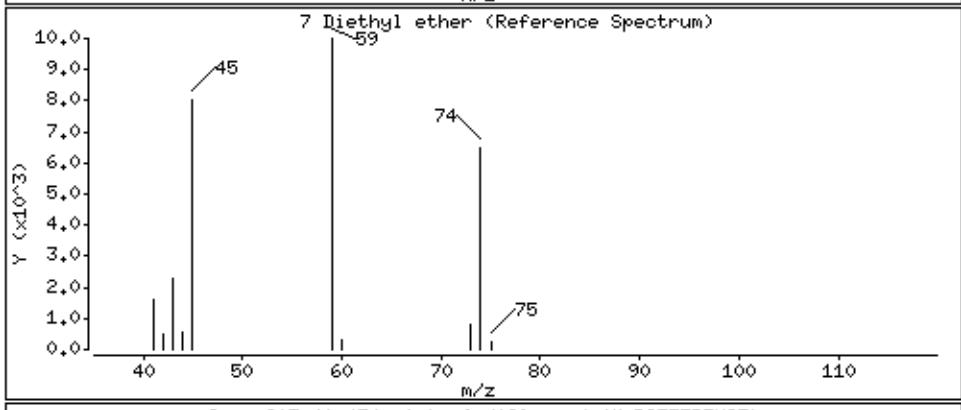
7 Diethyl ether

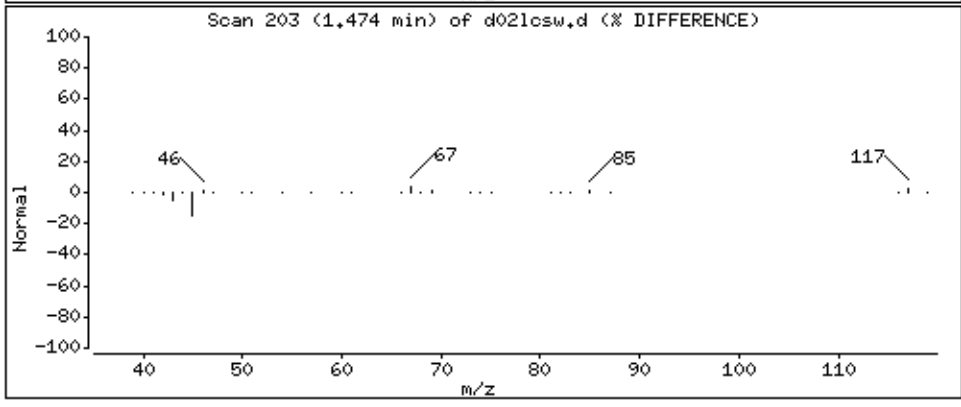
Concentration: 44.2 ppb

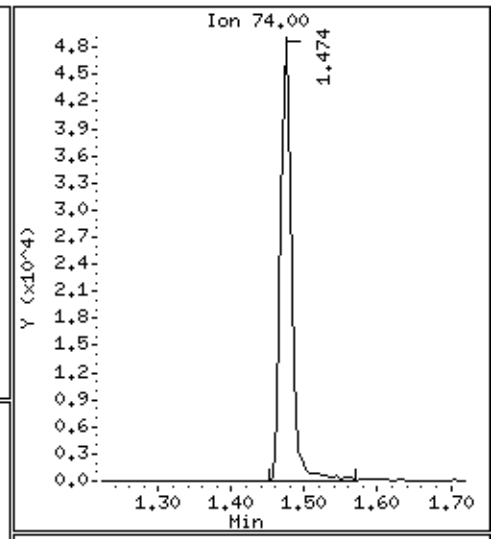
Review Code:

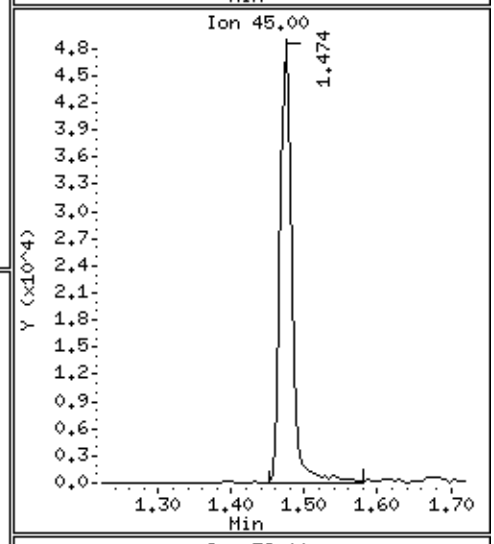


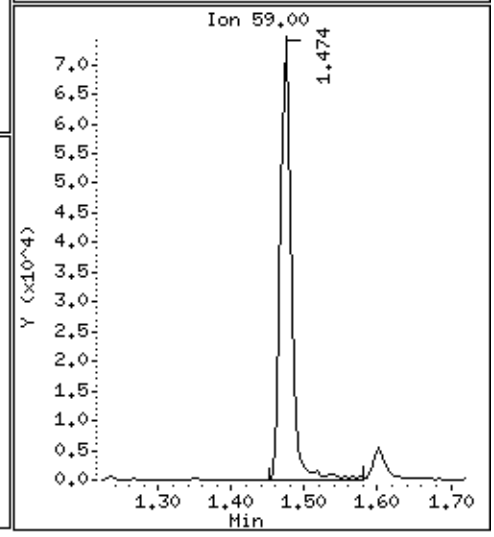












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

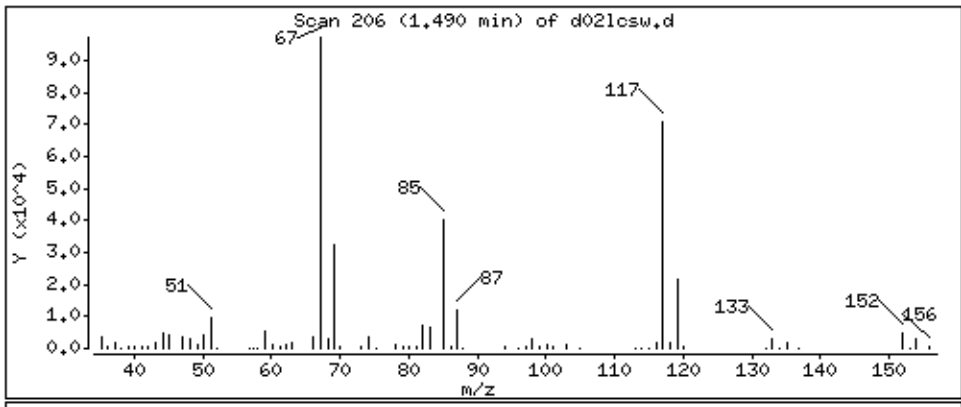
Column phase: DB-624

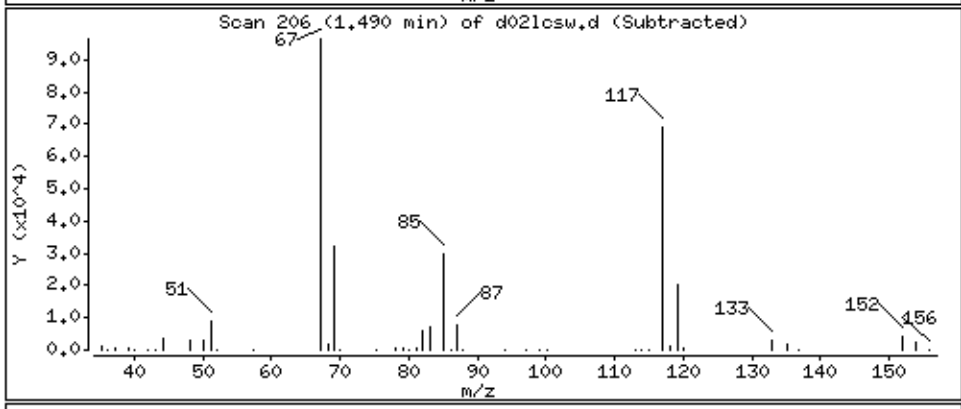
Column diameter: 0.18

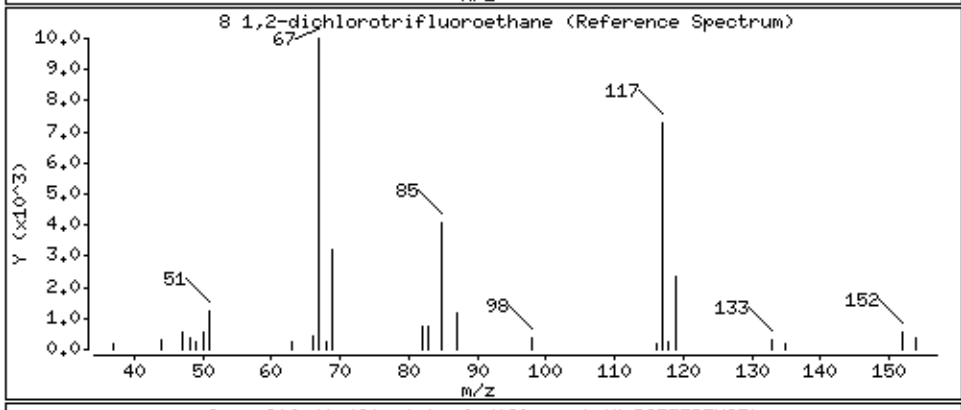
8 1,2-dichlorotrifluoroethane

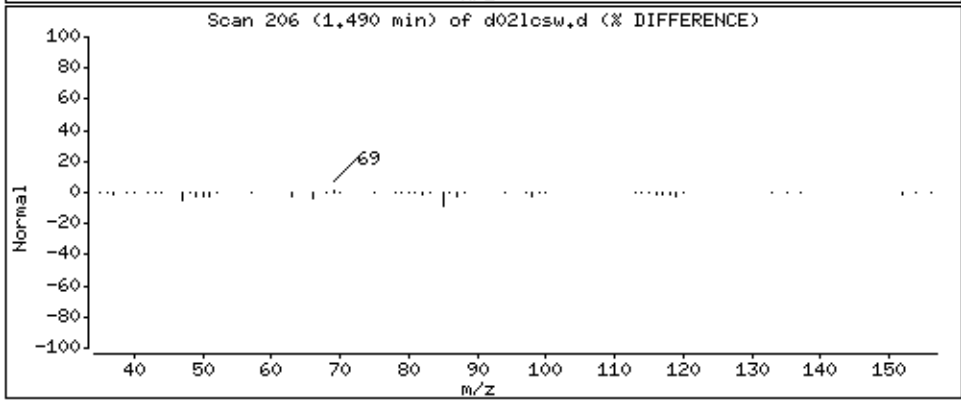
Concentration: 40.6 ppb

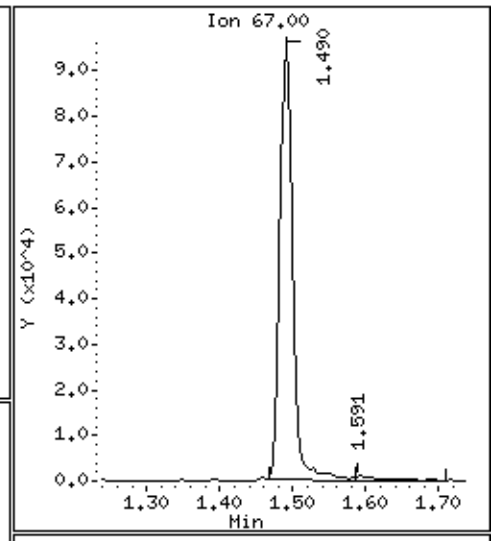
Review Code:

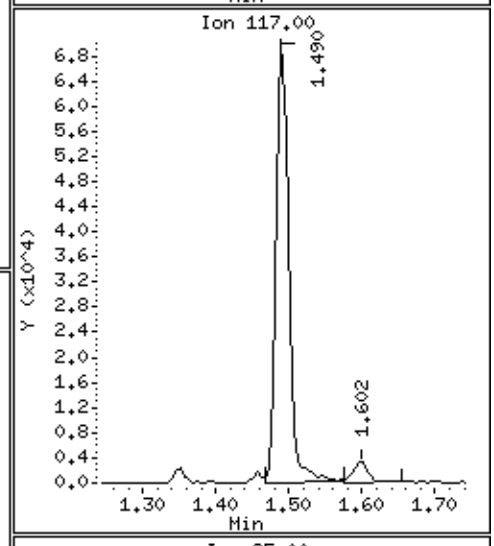


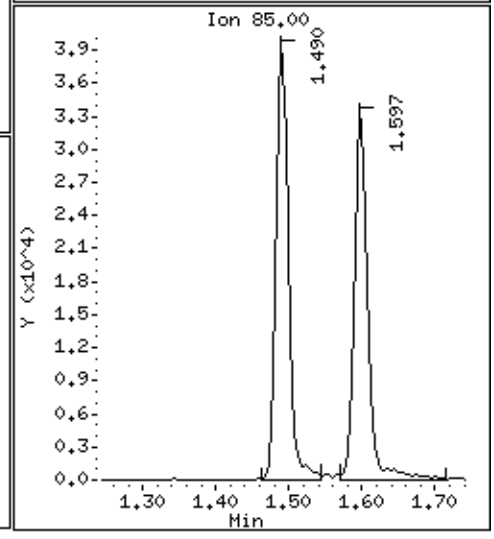












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

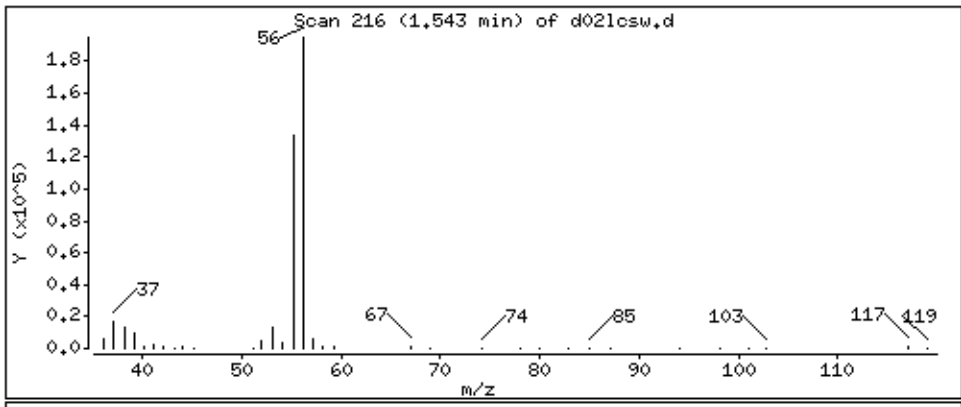
Column phase: DB-624

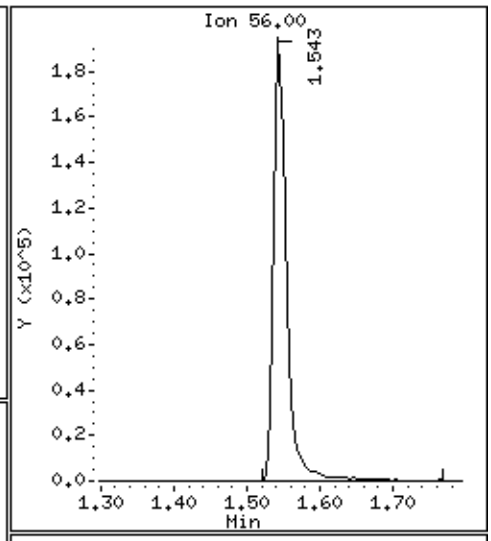
Column diameter: 0.18

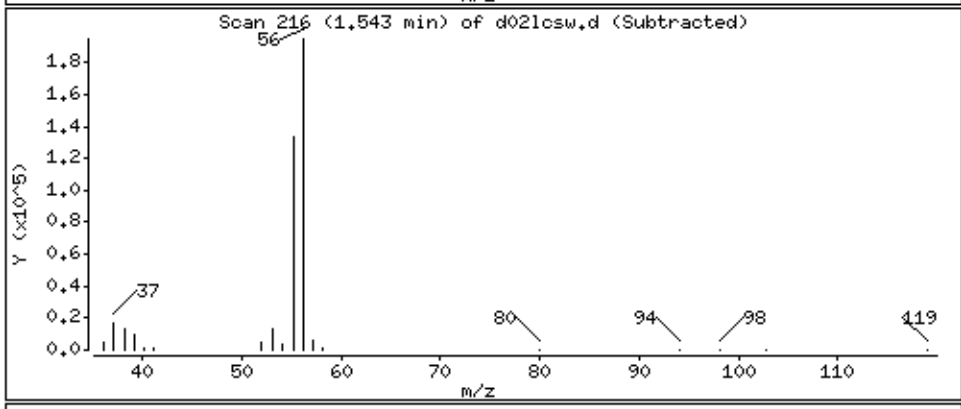
9 Acrolein

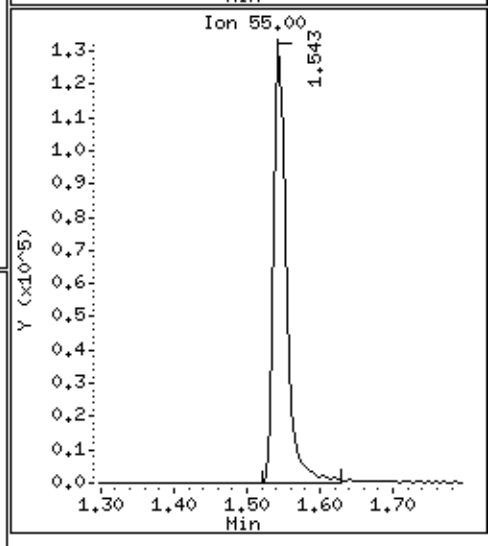
Concentration: 1020 ppb

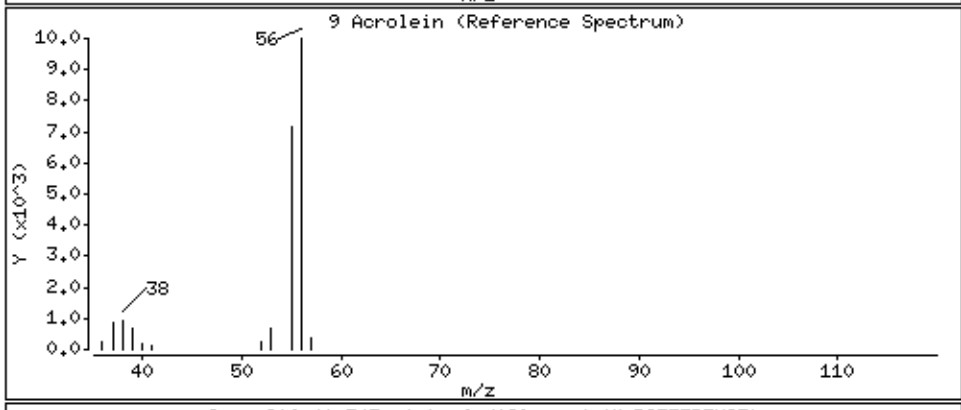
Review Code:

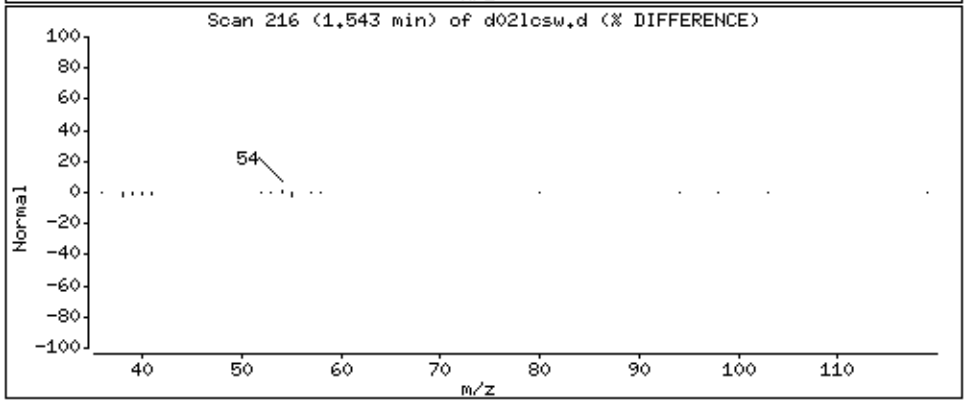












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

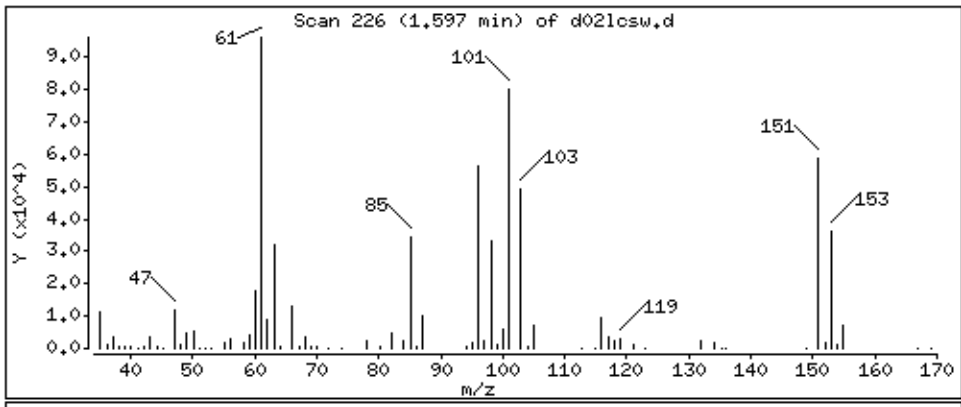
Column phase: DB-624

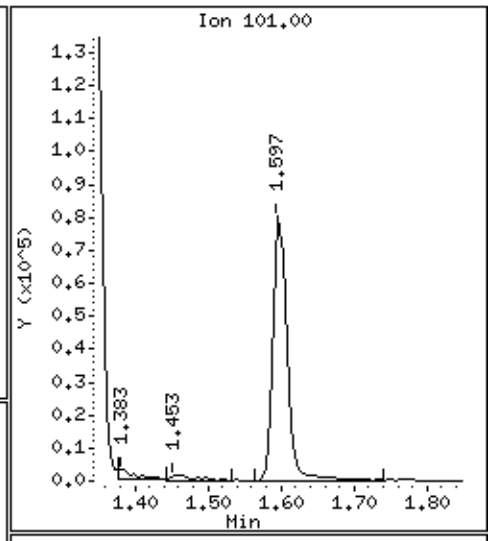
Column diameter: 0.18

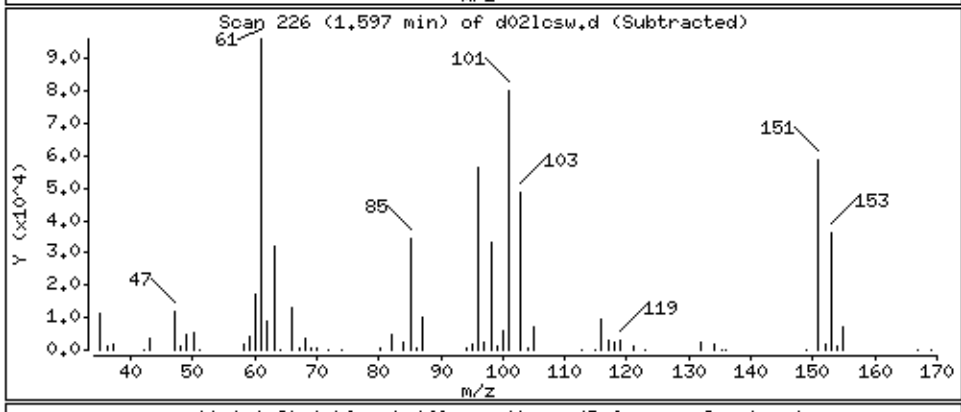
10 1,1,2trichlorotrifluoroethane

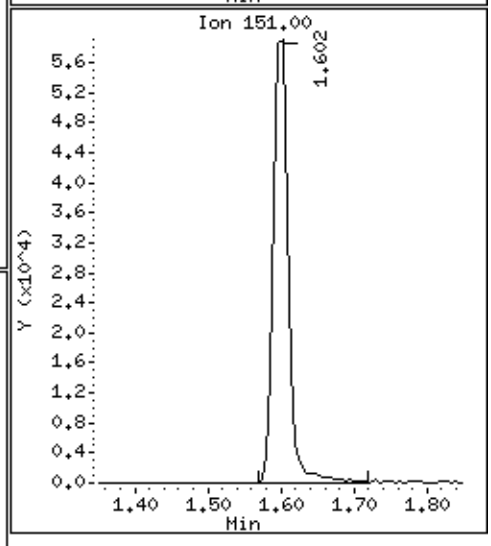
Concentration: 45.3 ppb

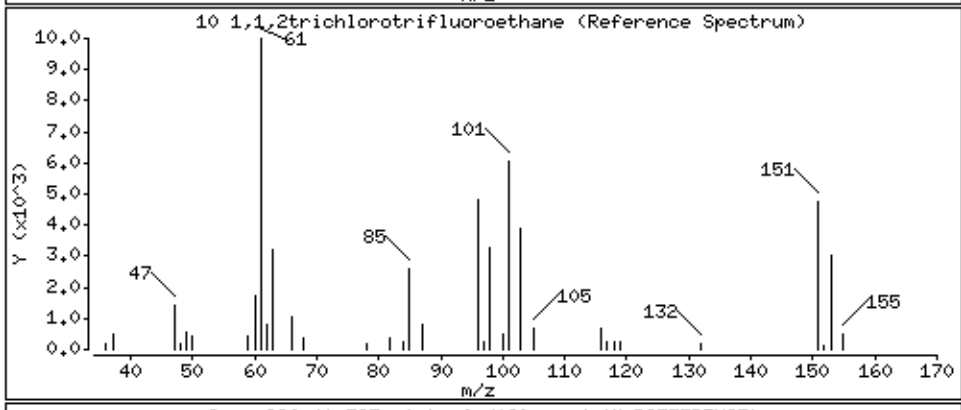
Review Code:

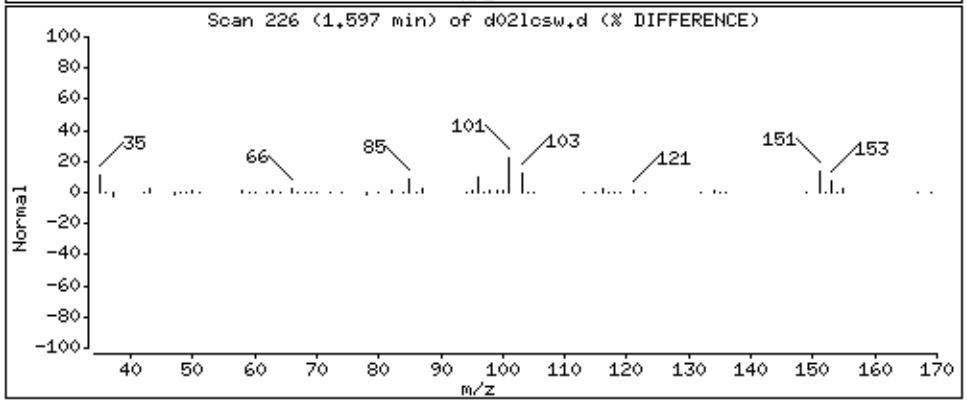












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

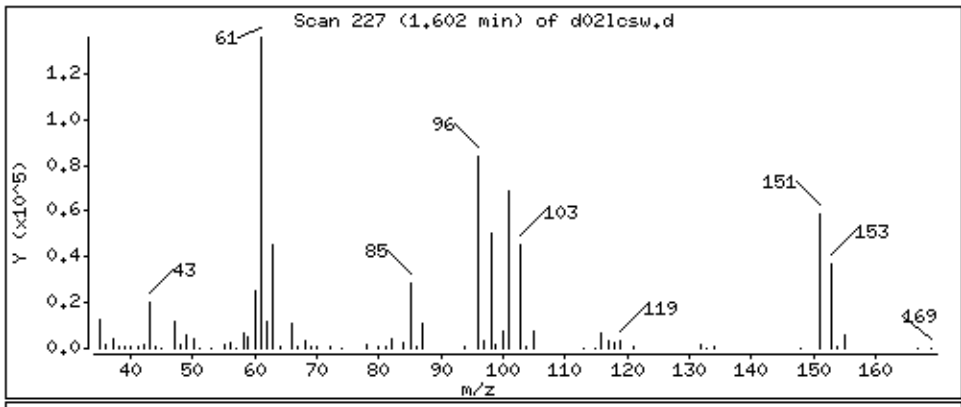
Column phase: DB-624

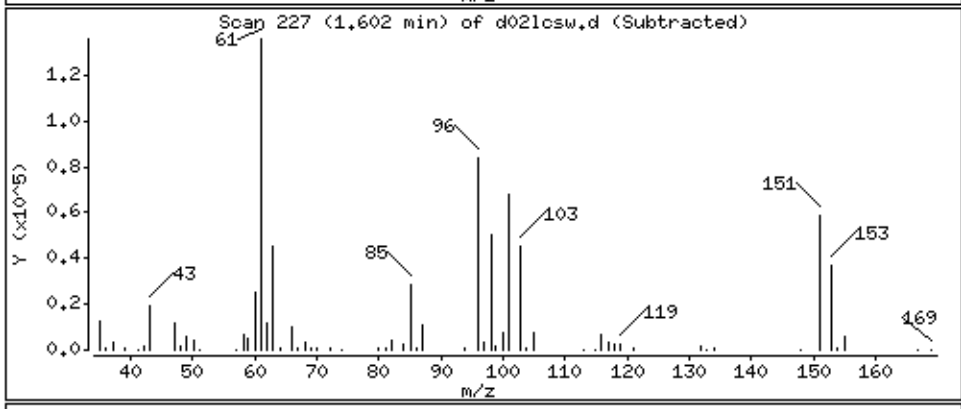
Column diameter: 0.18

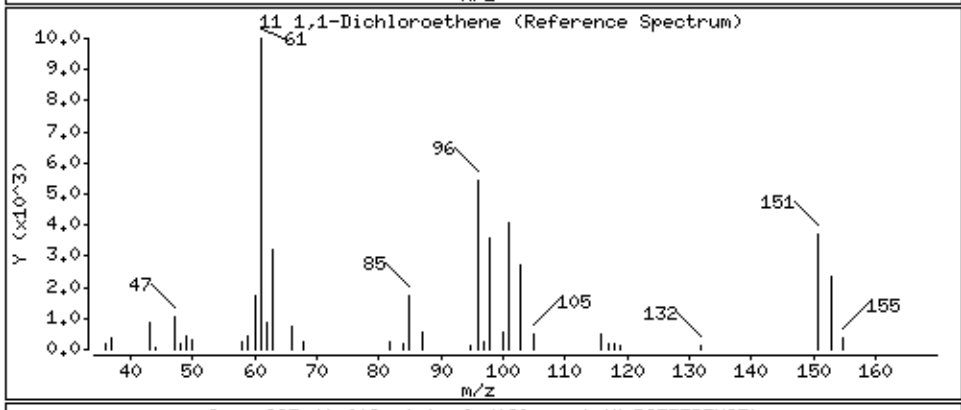
11 1,1-Dichloroethene

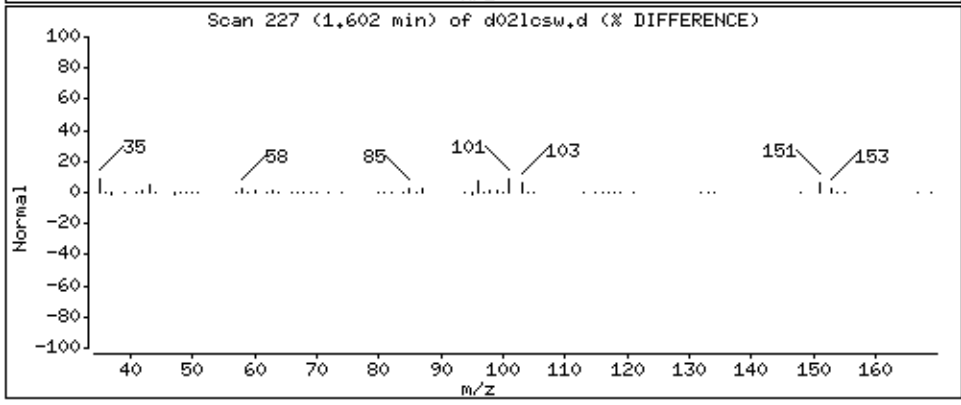
Concentration: 47.7 ppb

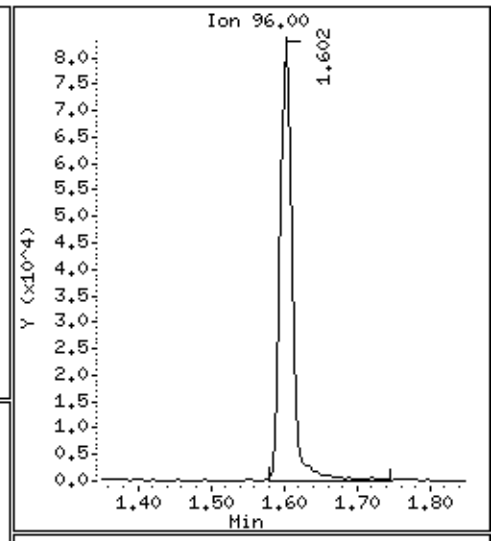
Review Code:

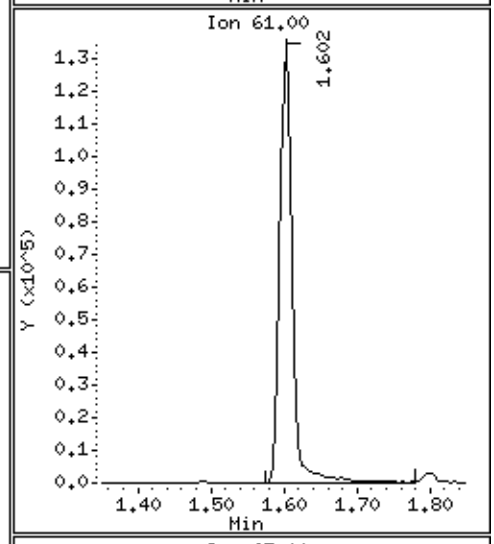


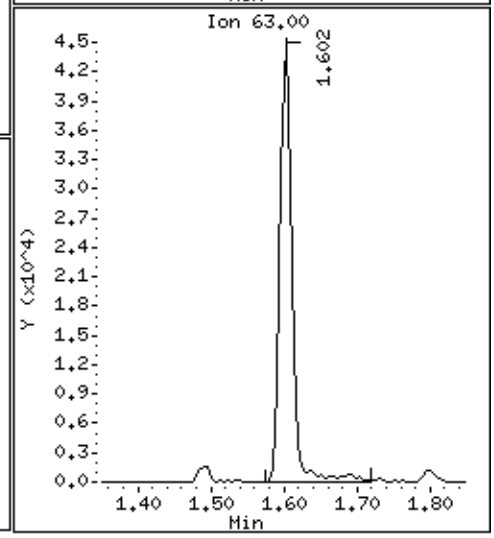












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

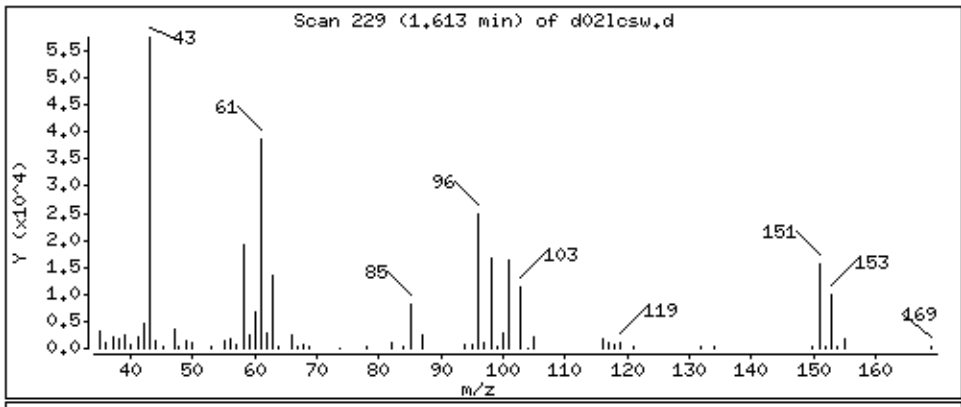
Column phase: DB-624

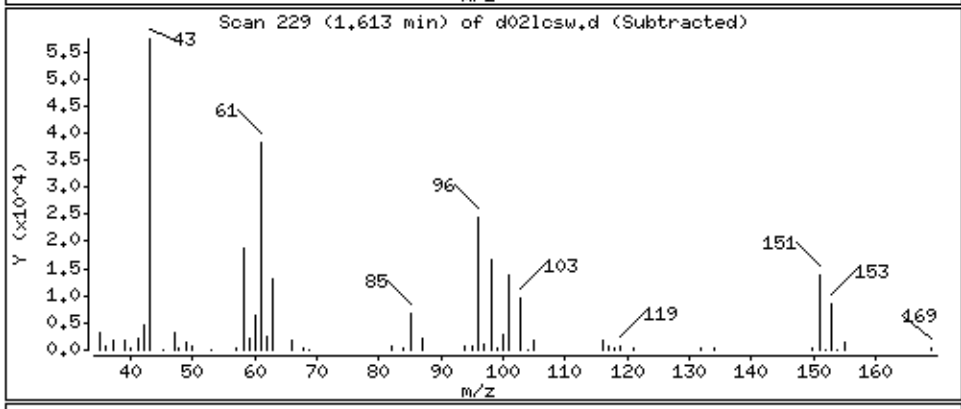
Column diameter: 0.18

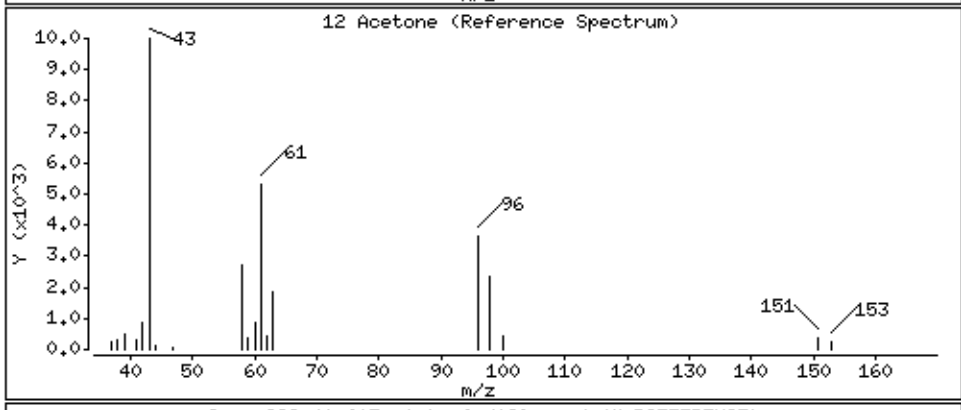
12 Acetone

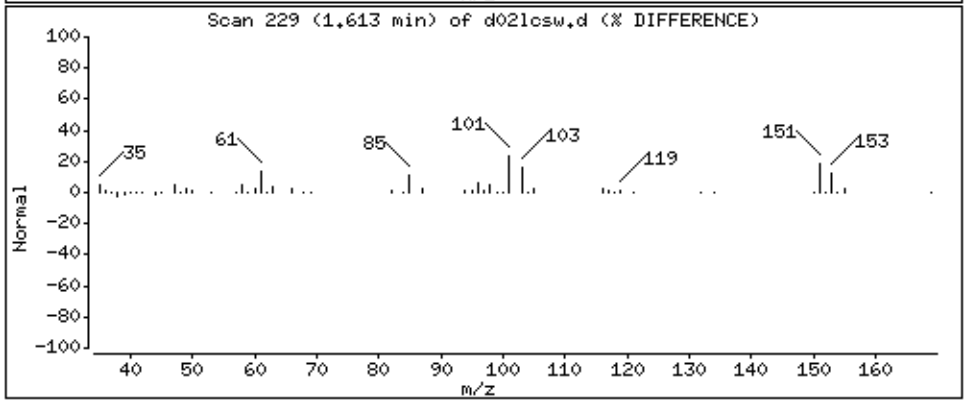
Concentration: 228 ppb

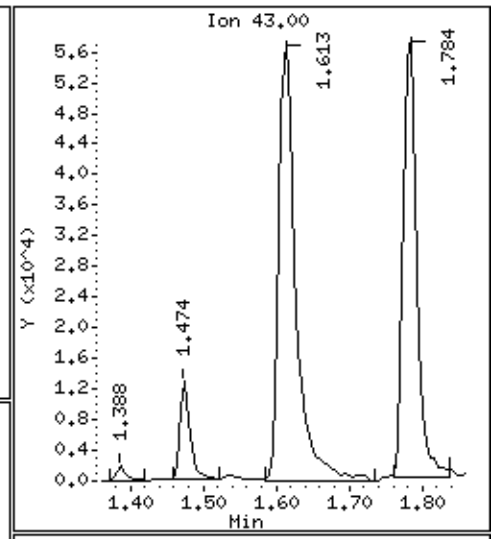
Review Code:

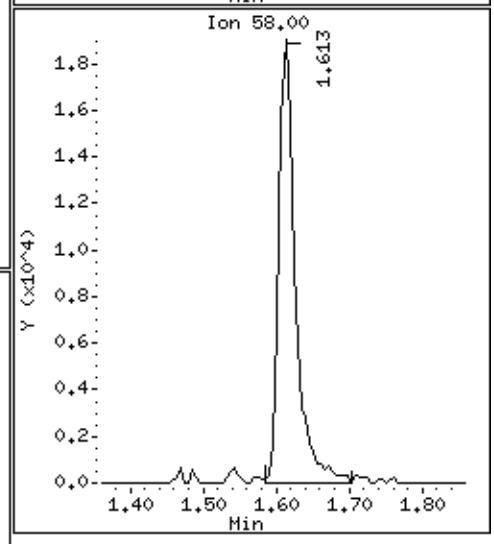












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

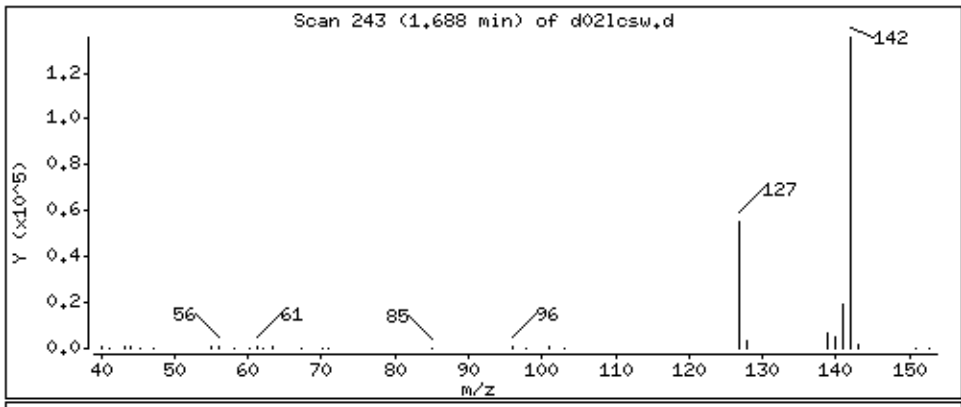
Column phase: DB-624

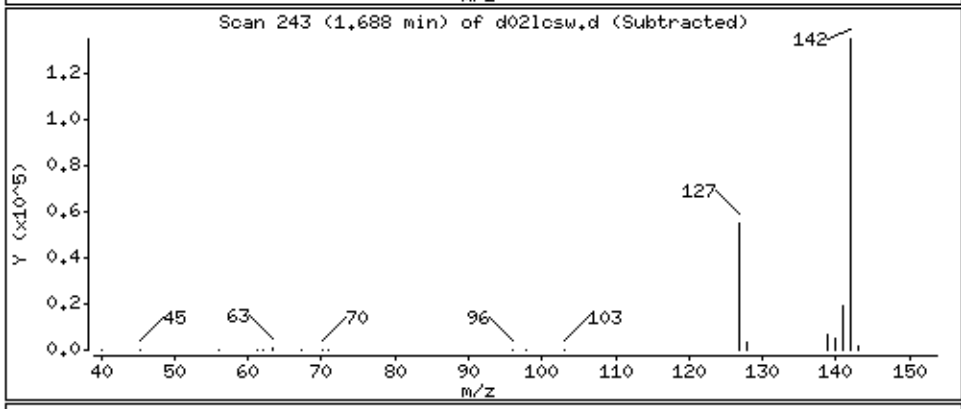
Column diameter: 0.18

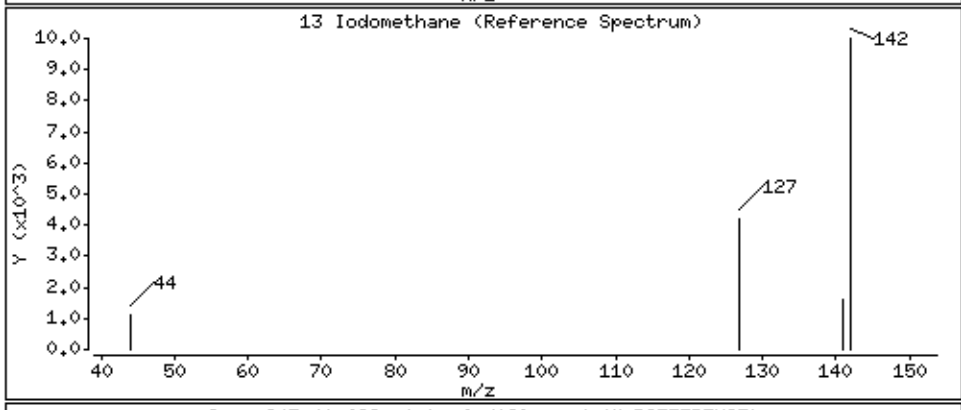
13 Iodomethane

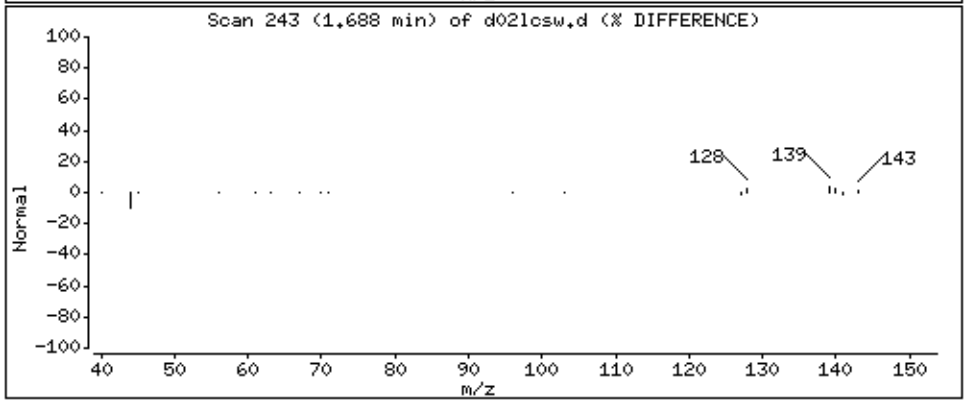
Concentration: 95.7 ppb

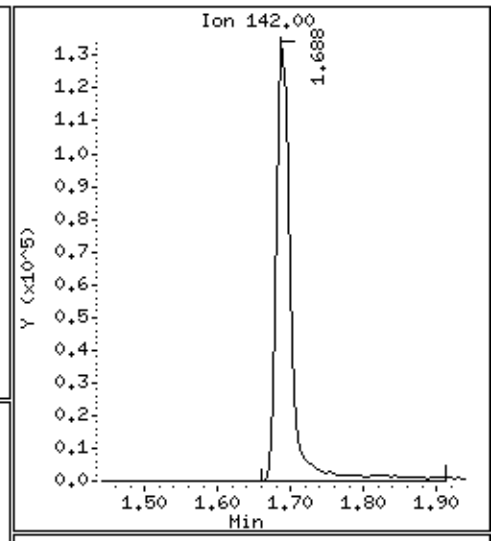
Review Code:

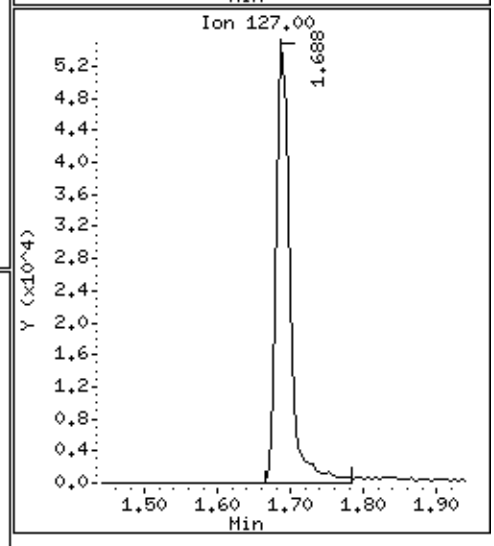












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

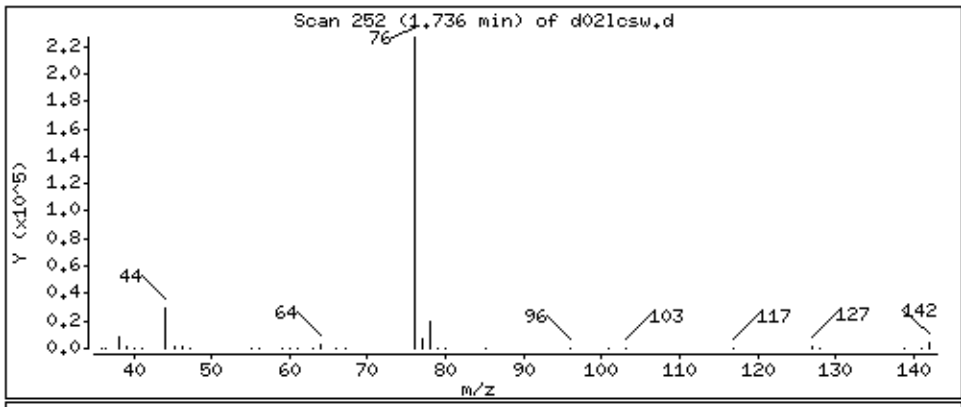
Column phase: DB-624

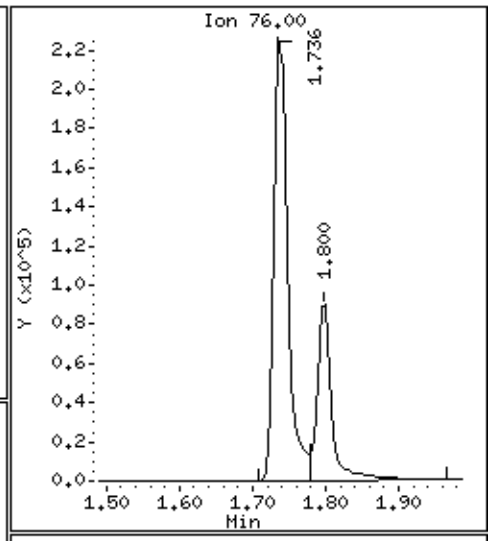
Column diameter: 0.18

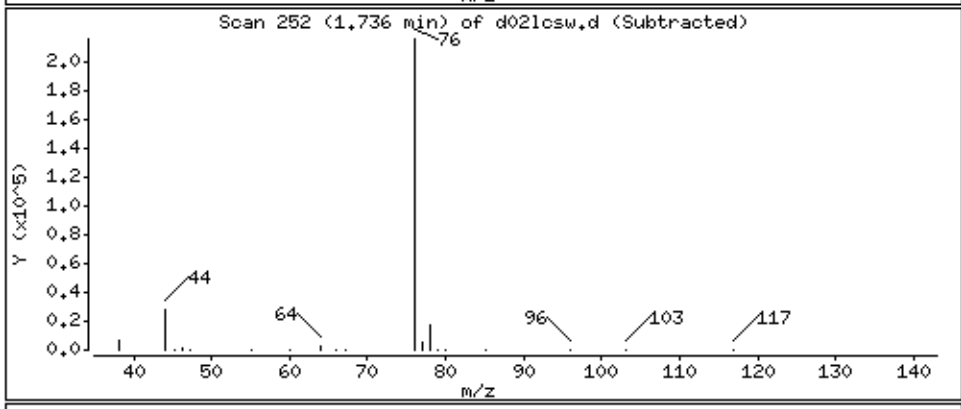
14 Carbon Disulfide

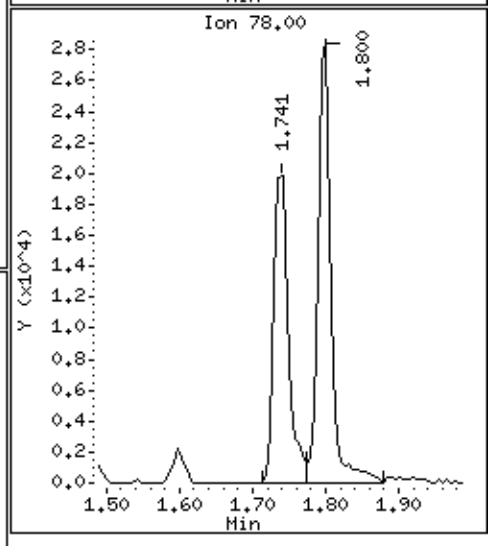
Concentration: 44.2 ppb

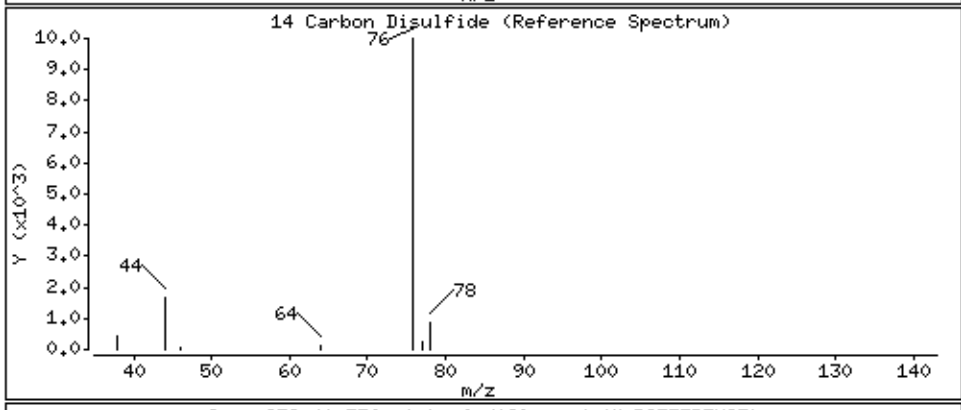
Review Code:

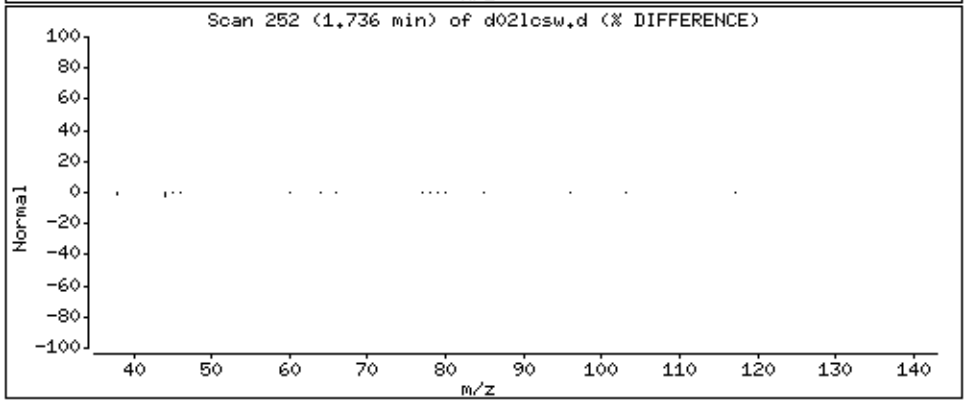












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

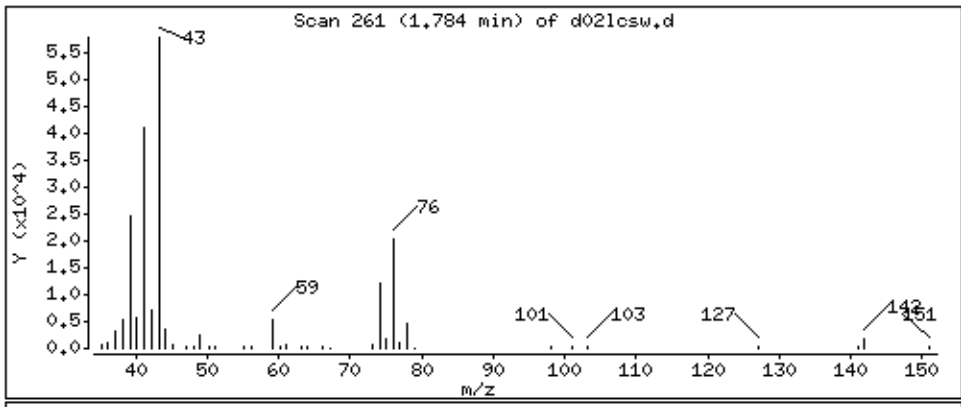
Column phase: DB-624

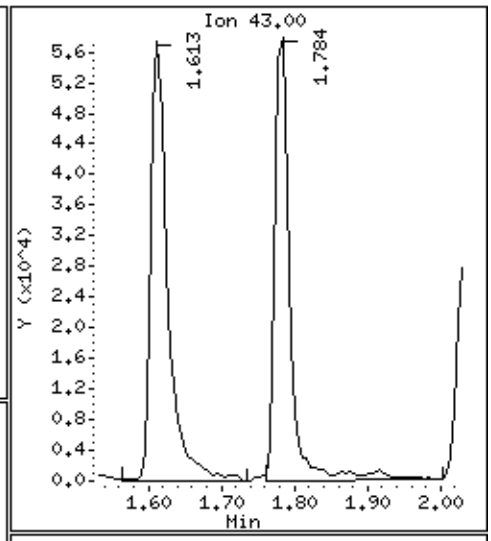
Column diameter: 0.18

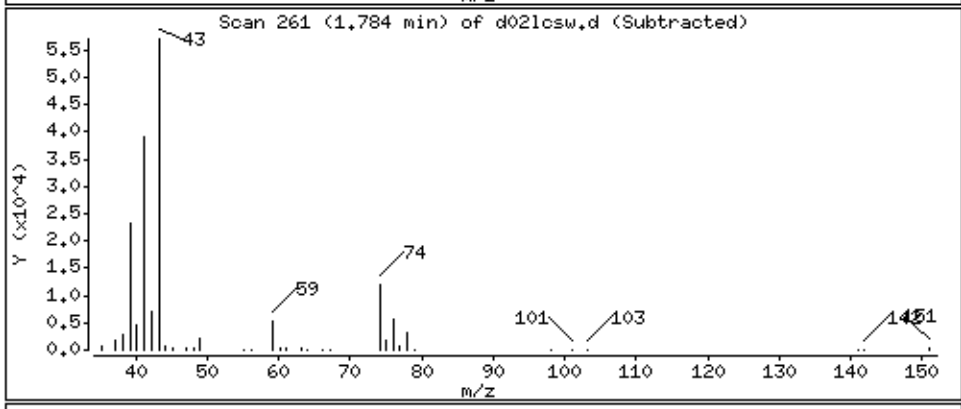
15 Methyl Acetate

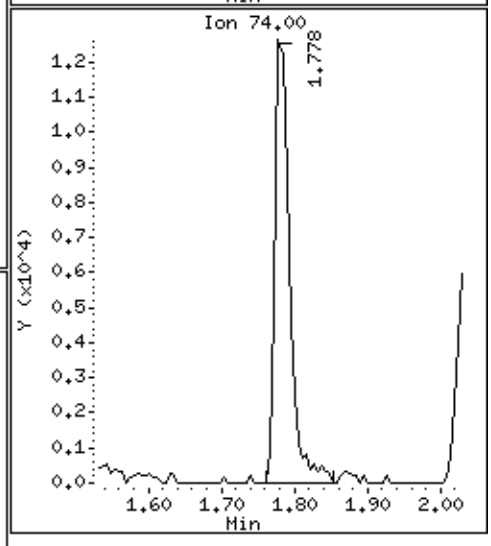
Concentration: 69.3 ppb

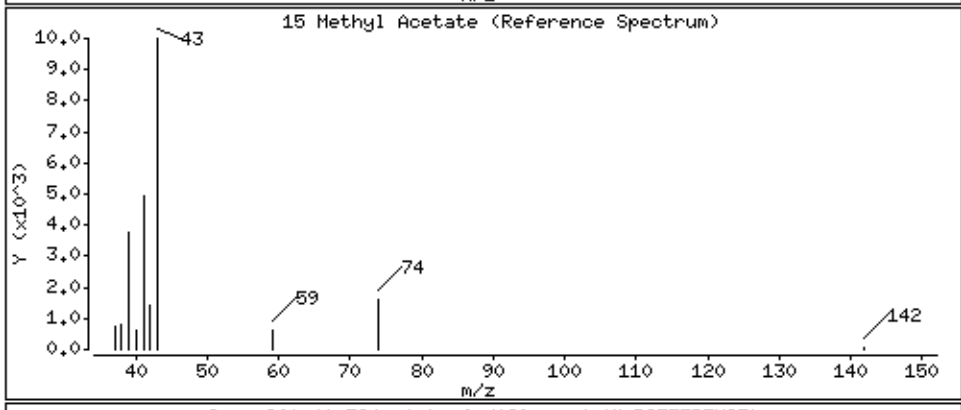
Review Code:

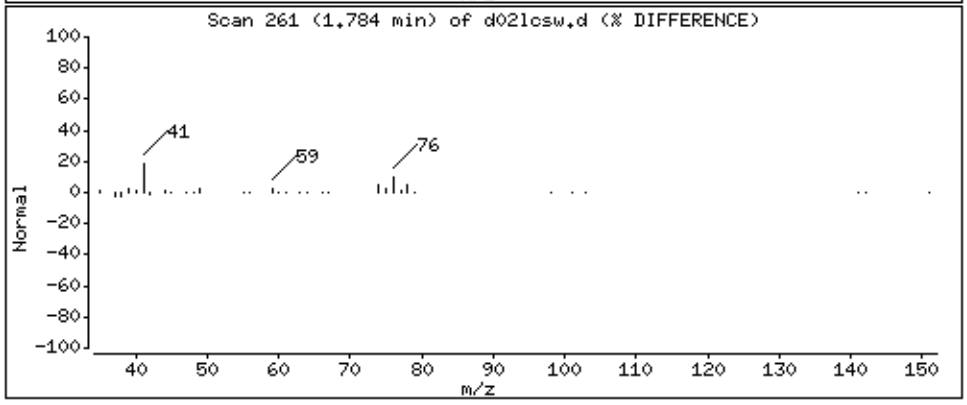












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

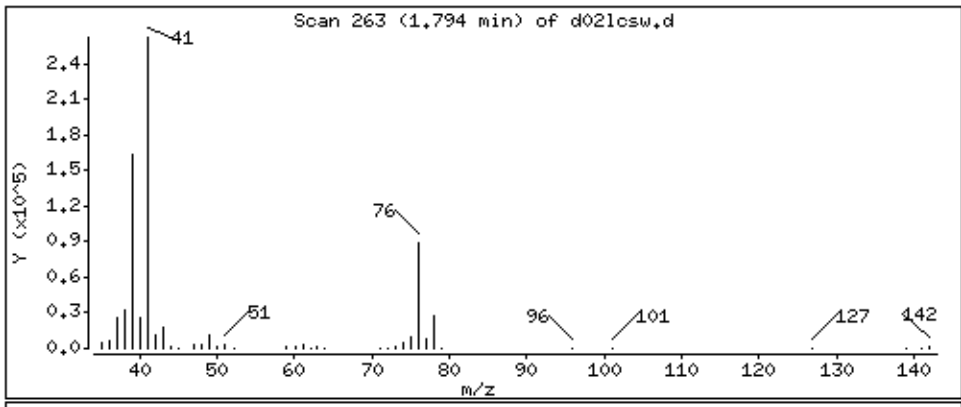
Column phase: DB-624

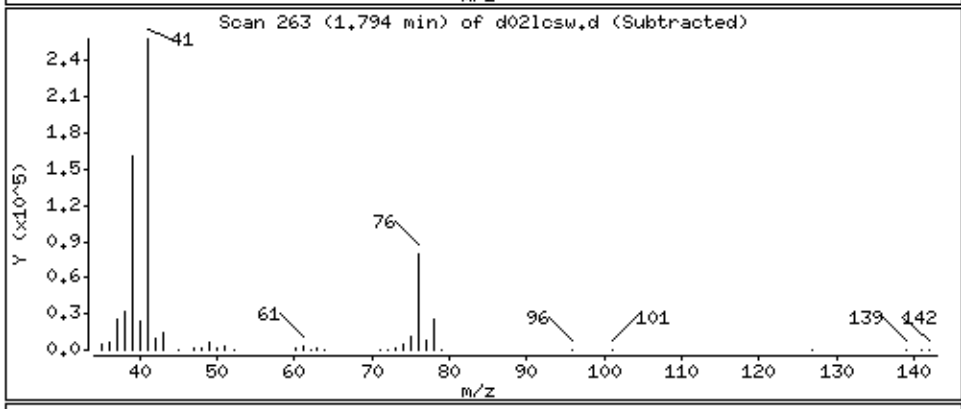
Column diameter: 0.18

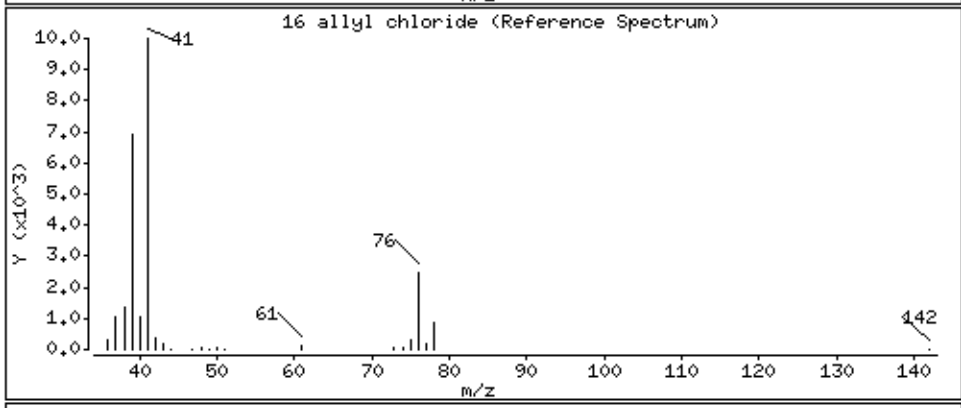
16 allyl chloride

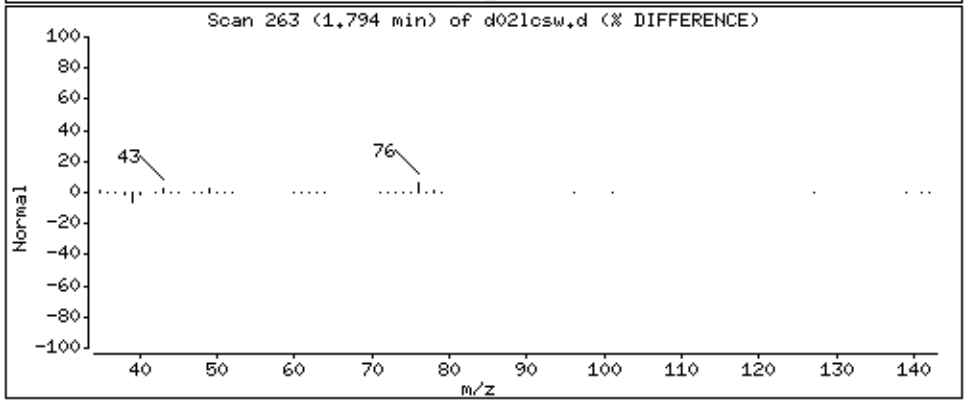
Concentration: 85.9 ppb

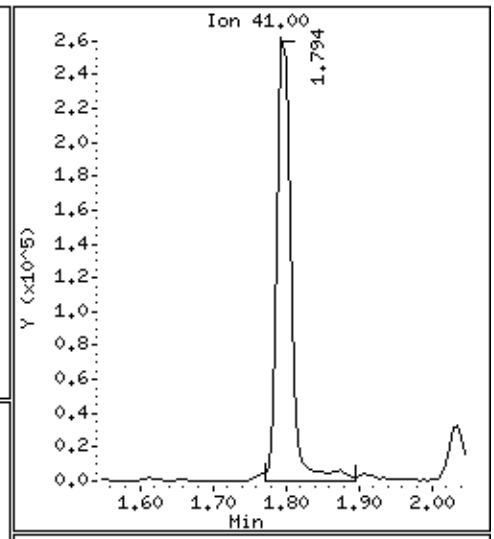
Review Code:

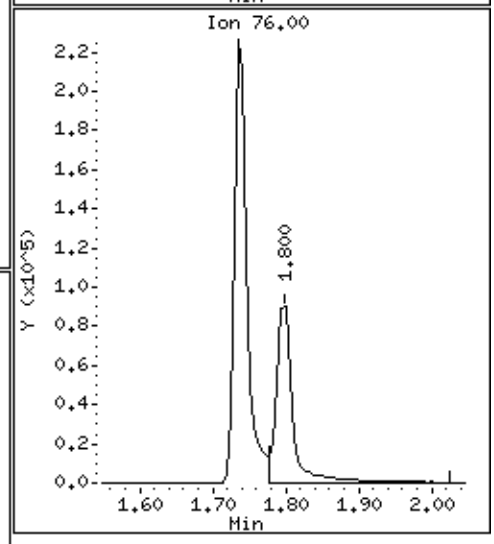












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

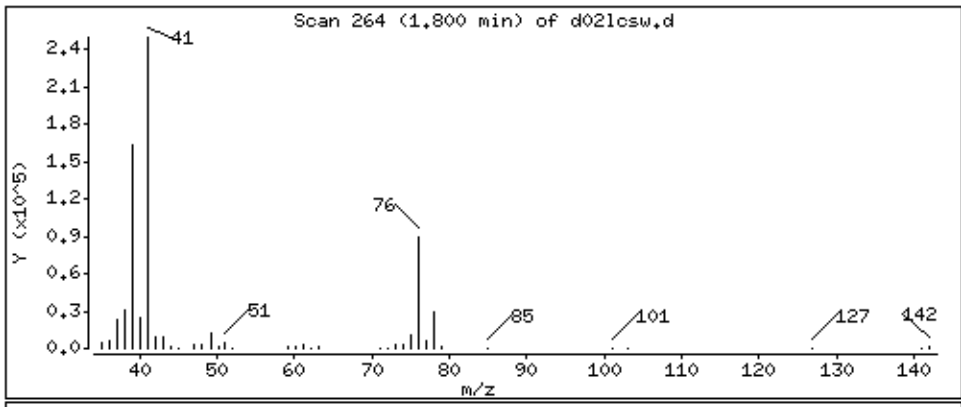
Column phase: DB-624

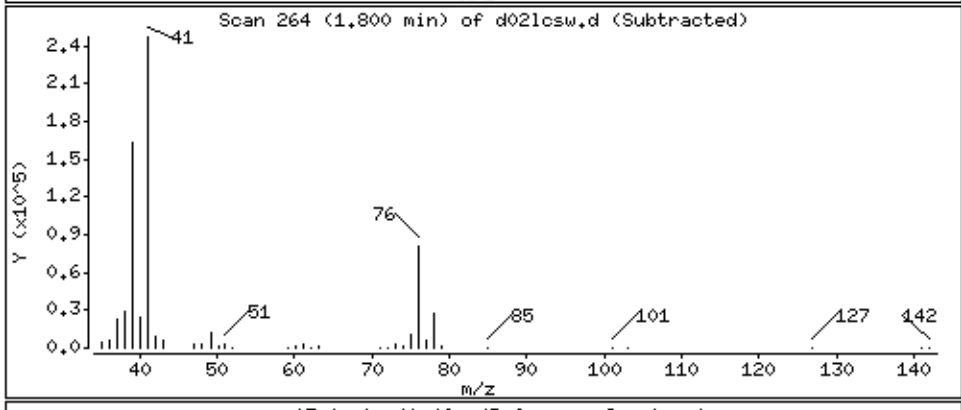
Column diameter: 0.18

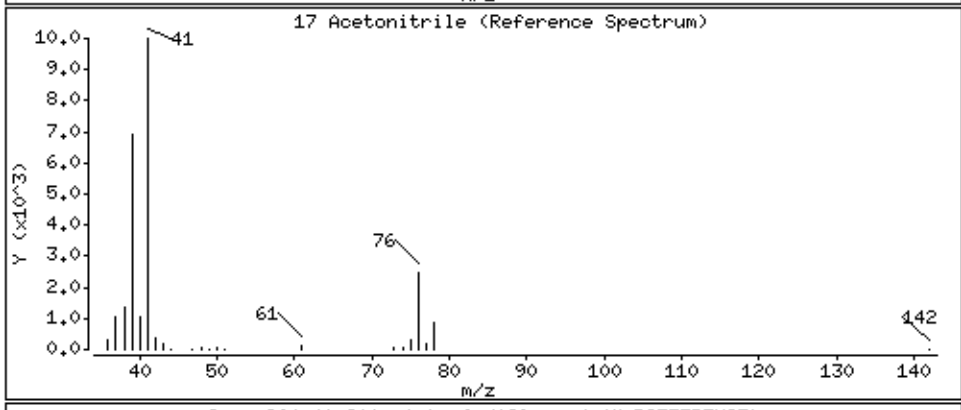
17 Acetonitrile

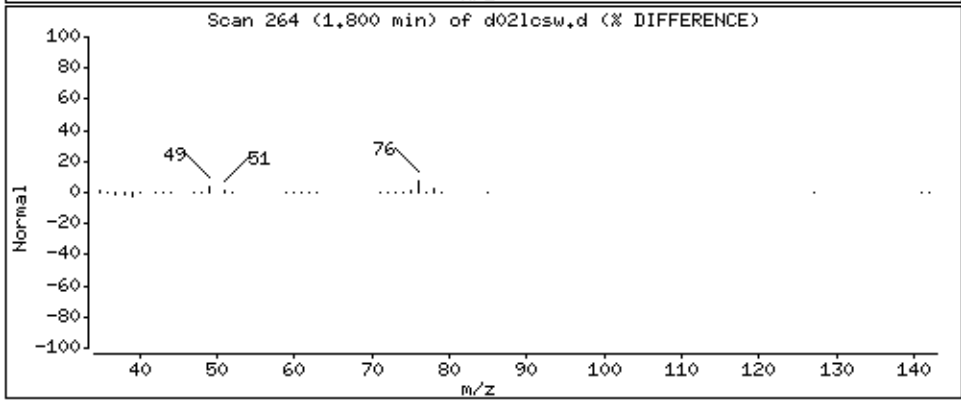
Concentration: 37.7 ppb

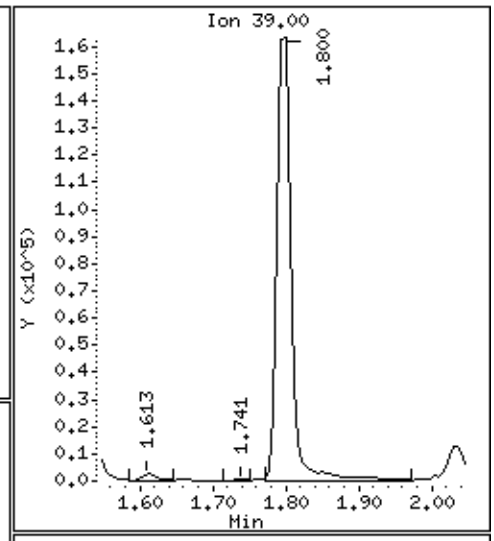
Review Code:

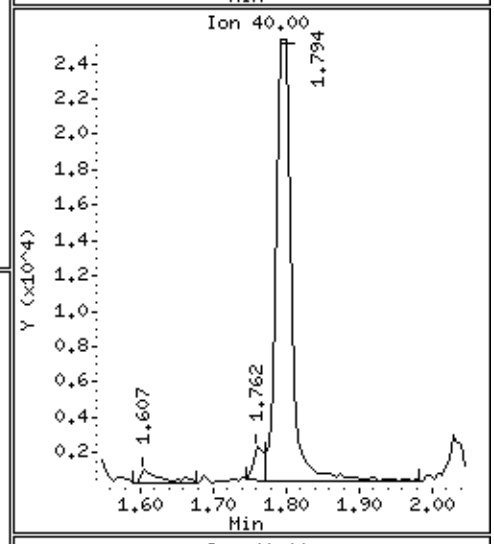


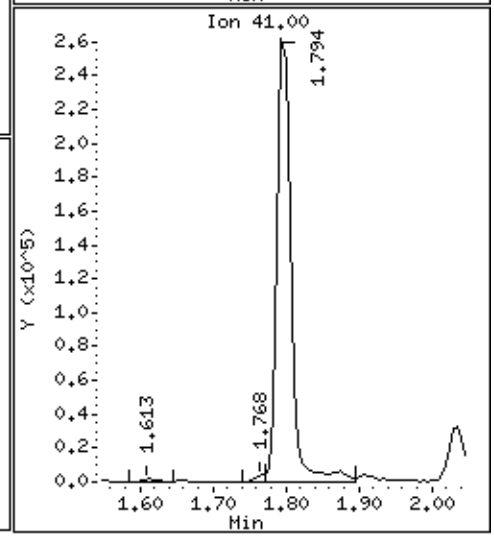












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

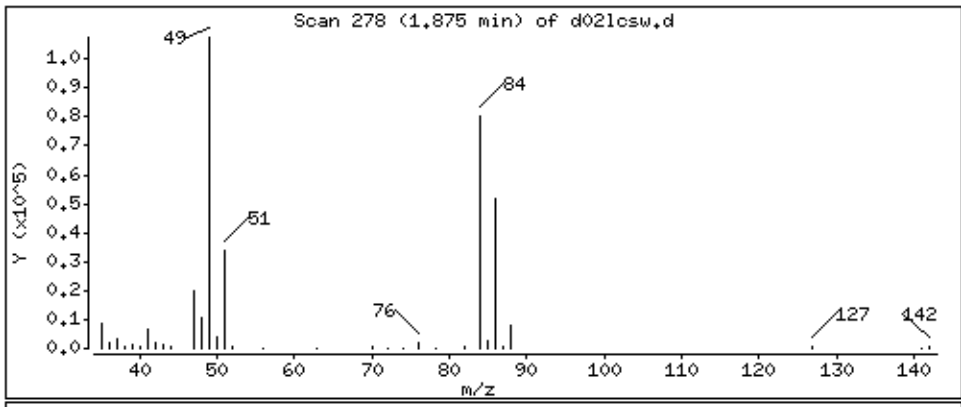
Column phase: DB-624

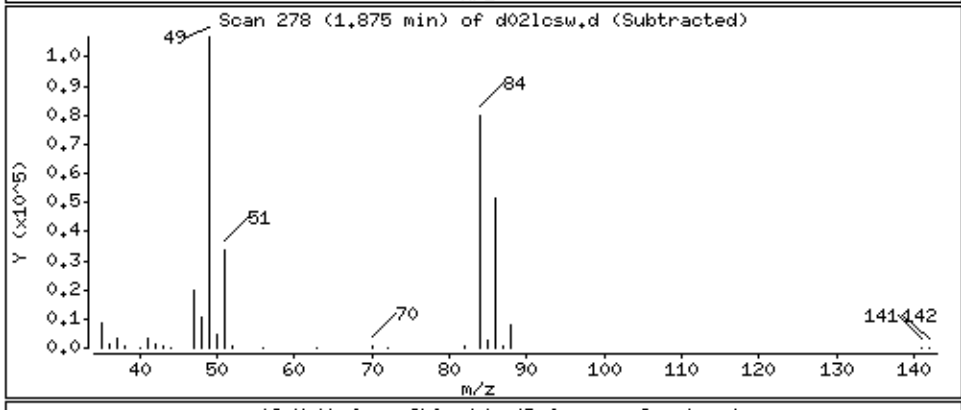
Column diameter: 0.18

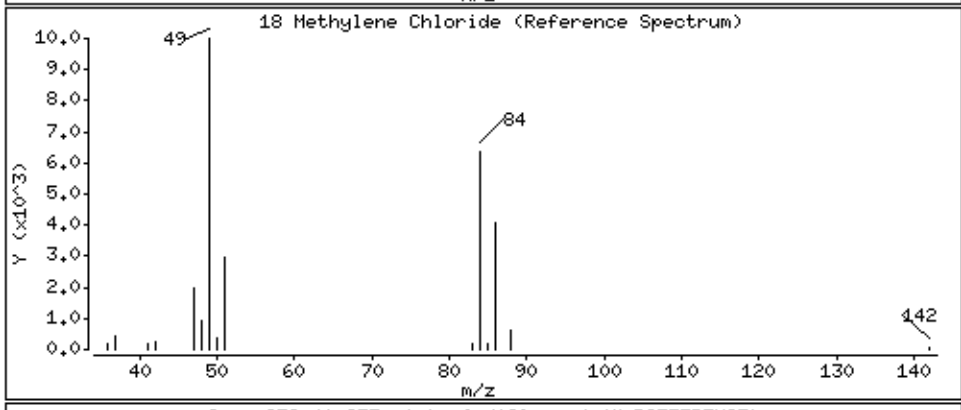
18 Methylene Chloride

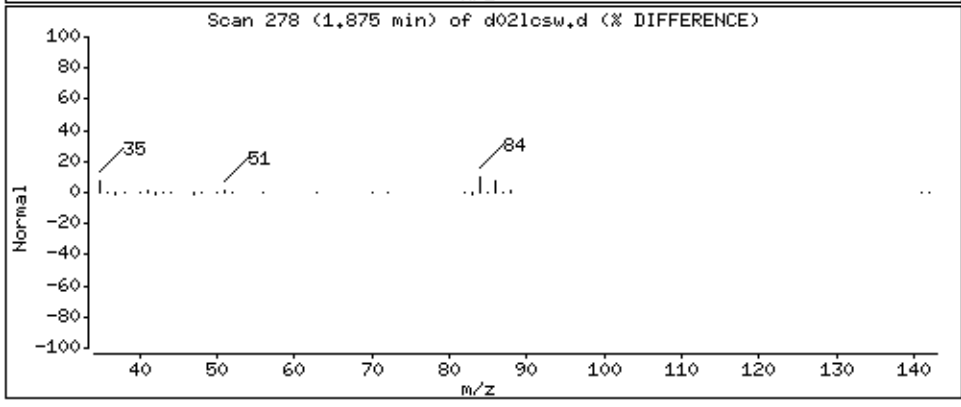
Concentration: 55.6 ppb

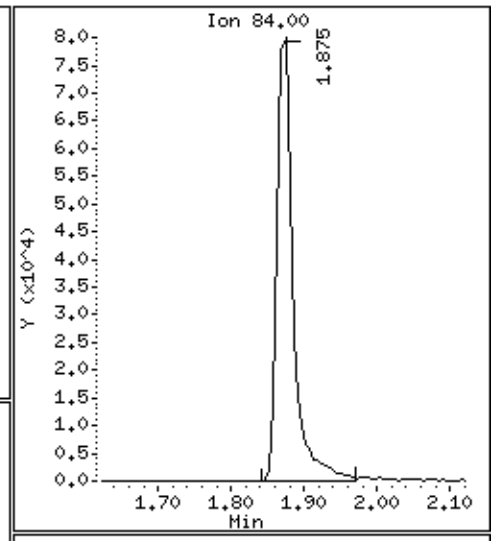
Review Code:

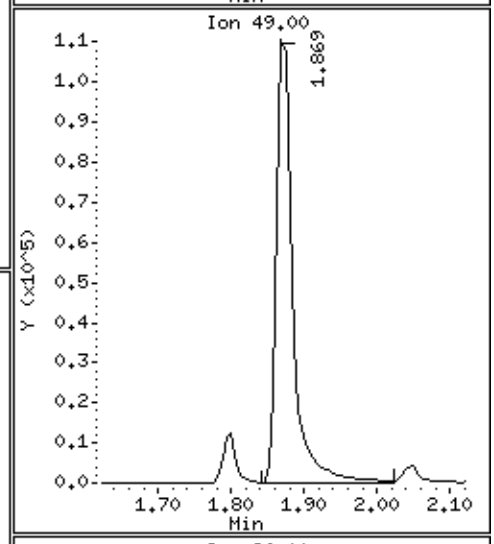


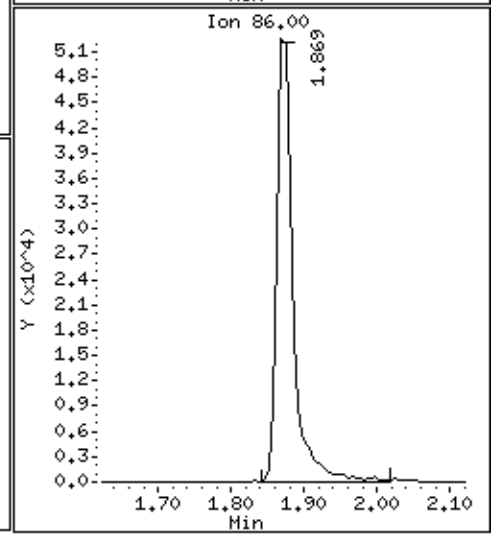












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

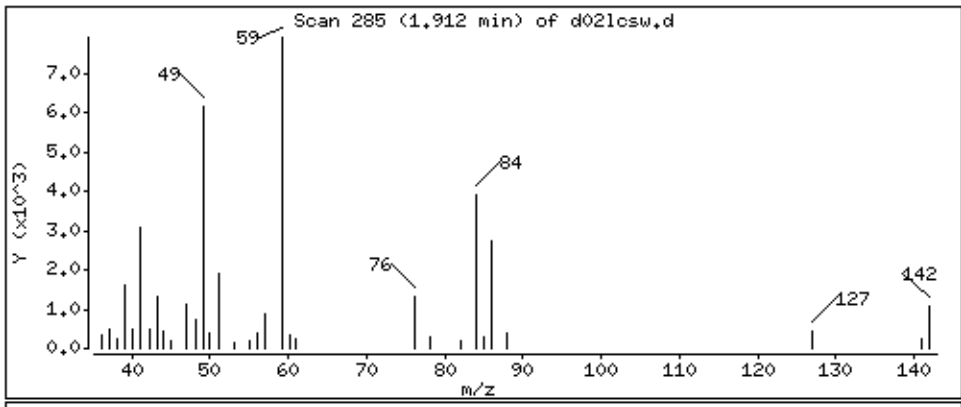
Column phase: DB-624

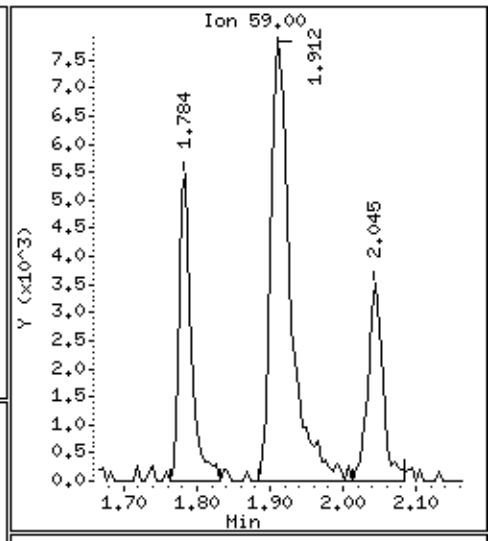
Column diameter: 0.18

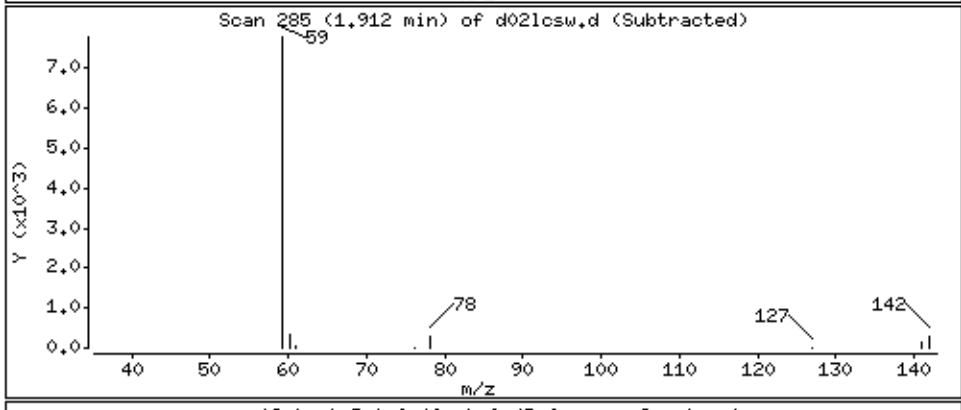
19 tert-Butyl Alcohol

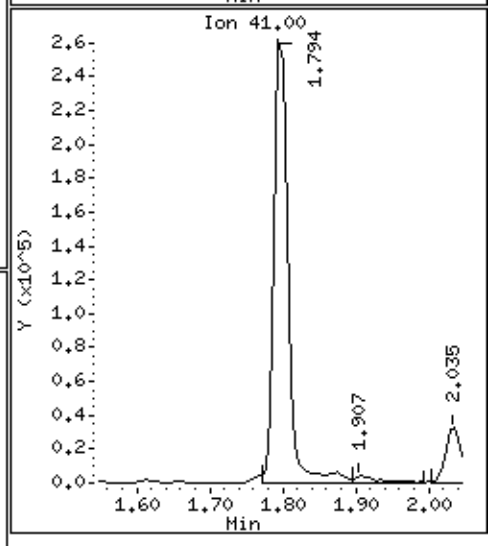
Concentration: 97.6 ppb

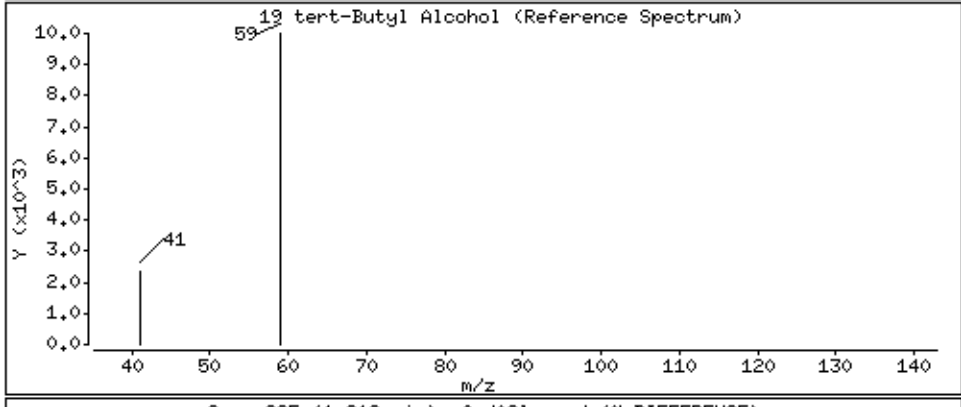
Review Code:

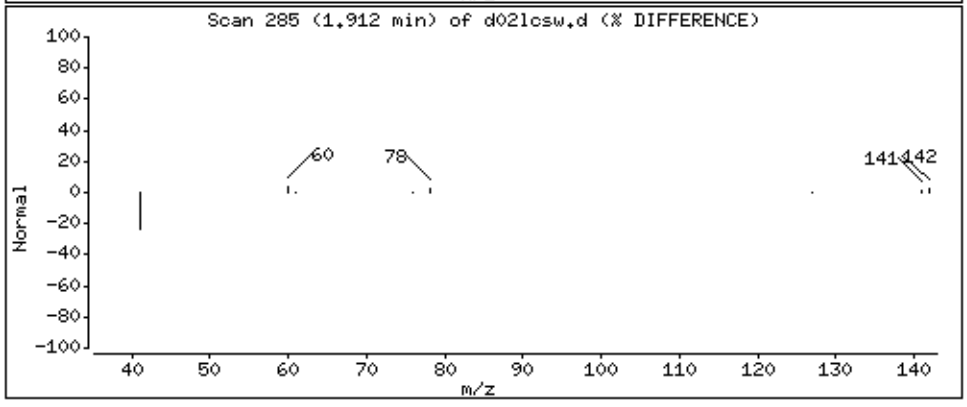












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

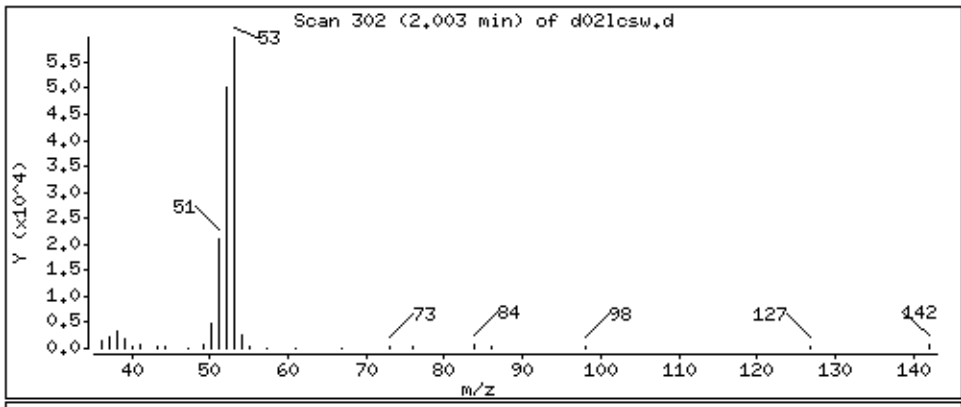
Column phase: DB-624

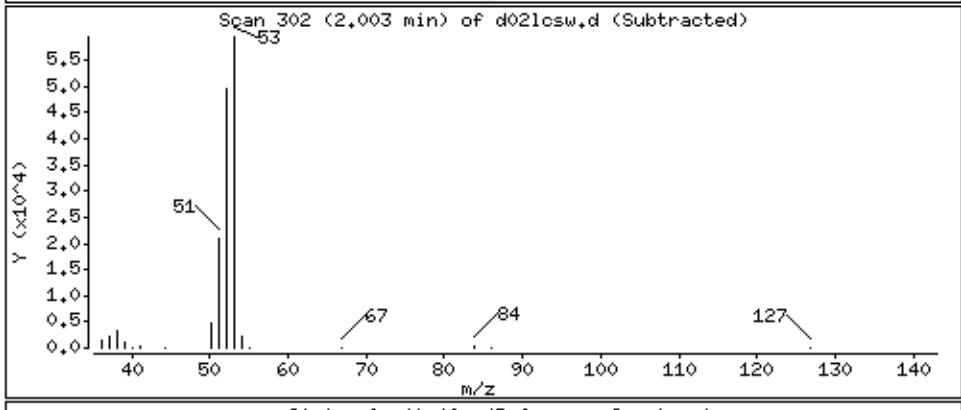
Column diameter: 0.18

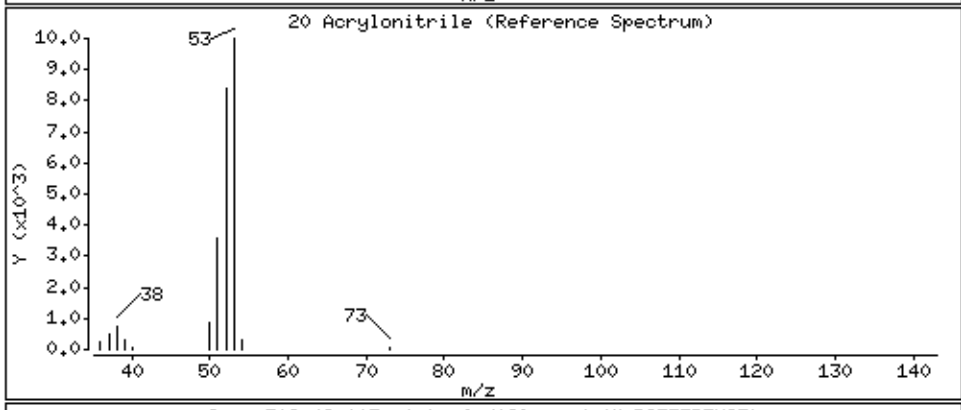
20 Acrylonitrile

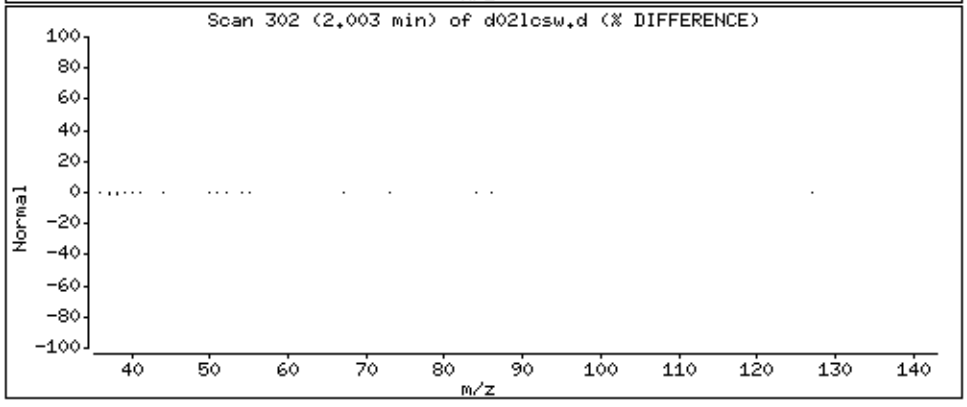
Concentration: 183 ppb

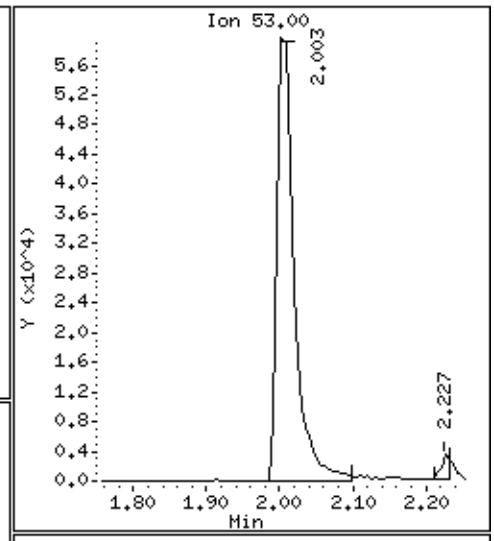
Review Code:

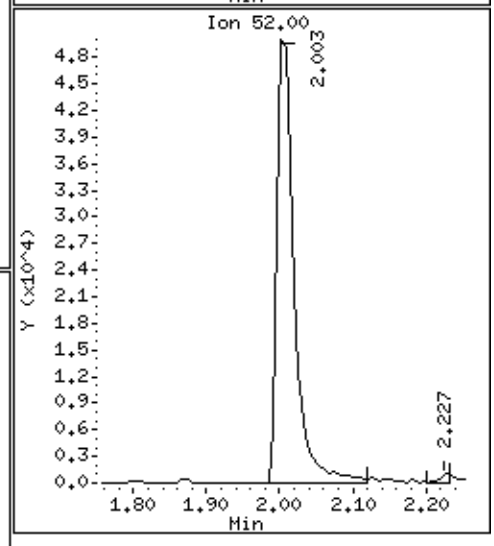












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

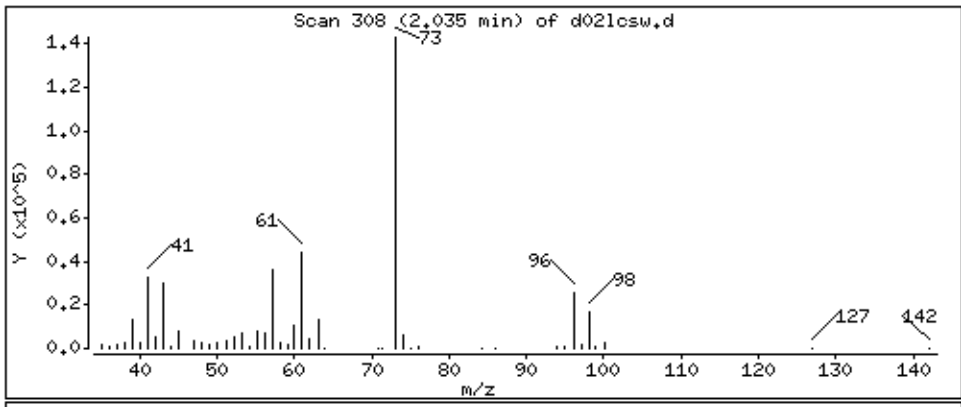
Column phase: DB-624

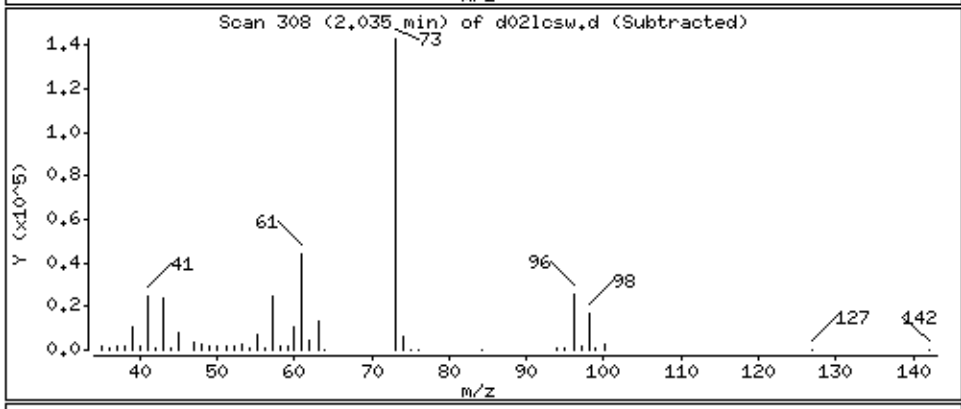
Column diameter: 0.18

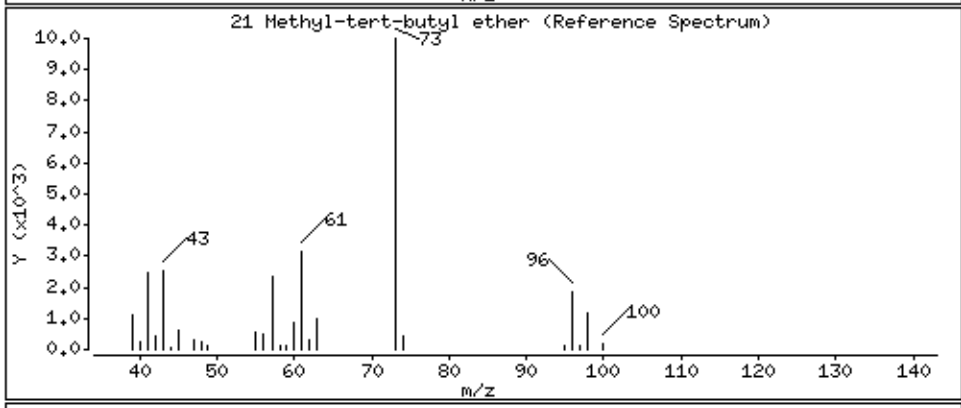
21 Methyl-tert-butyl ether

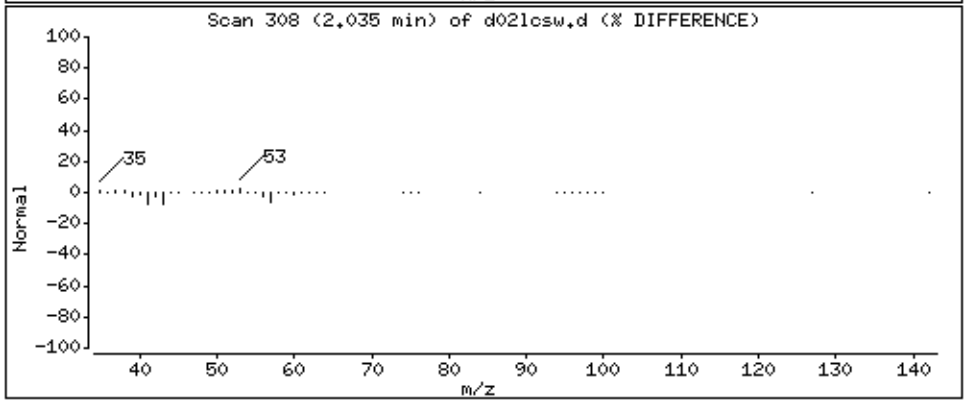
Concentration: 47.4 ppb

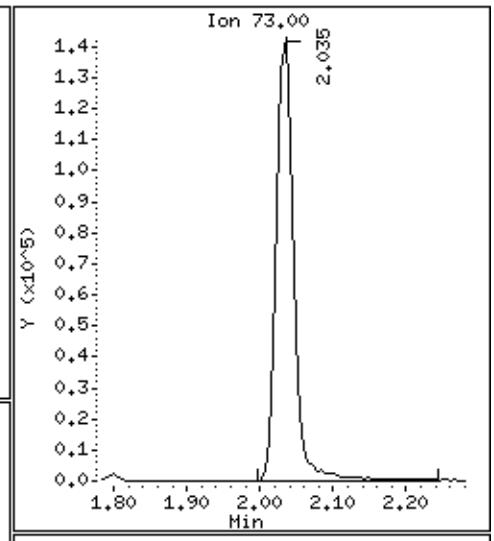
Review Code:

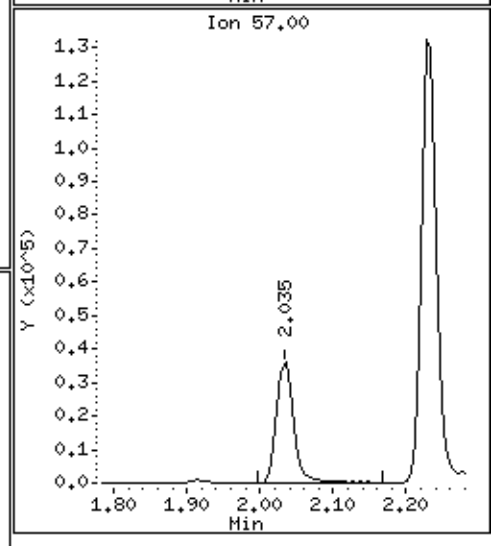












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

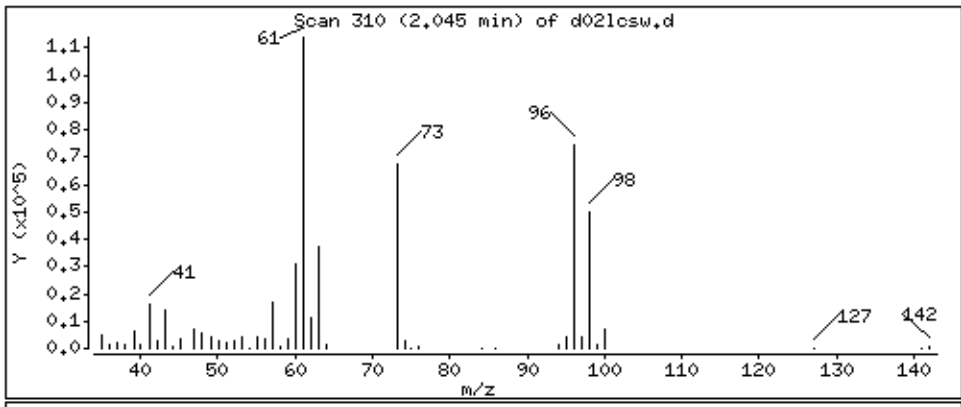
Column phase: DB-624

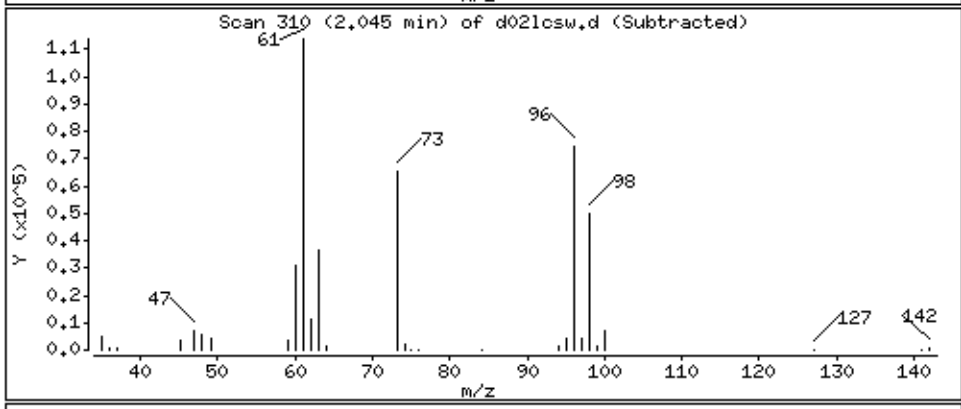
Column diameter: 0.18

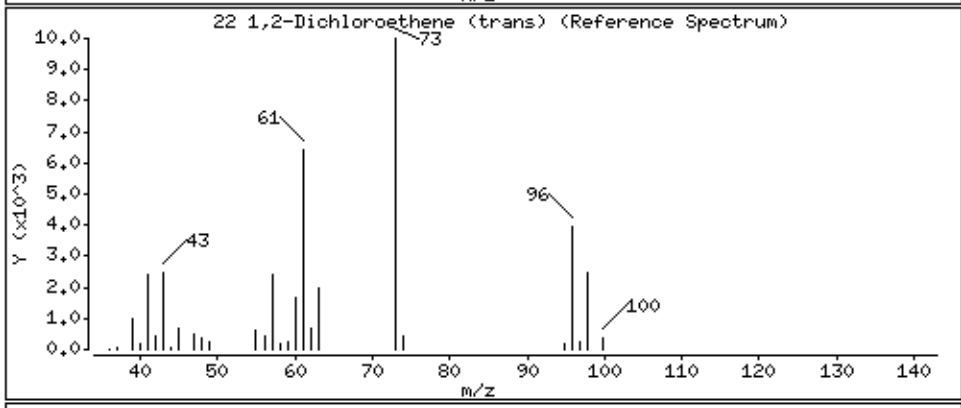
22 1,2-Dichloroethene (trans)

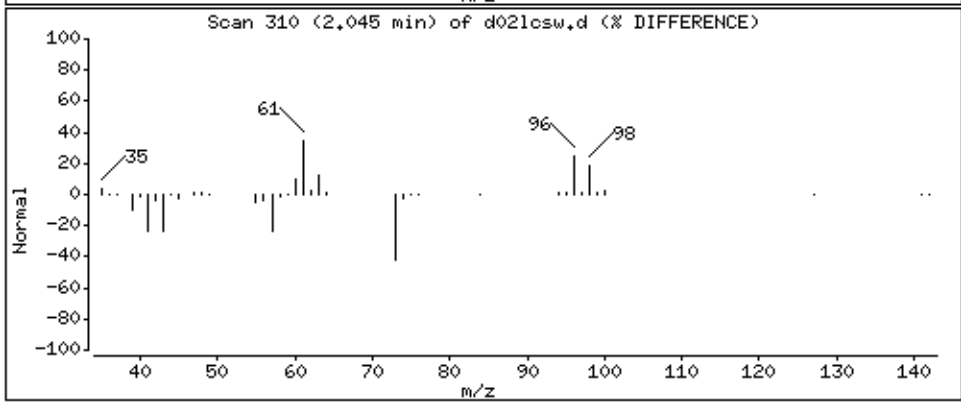
Concentration: 46.5 ppb

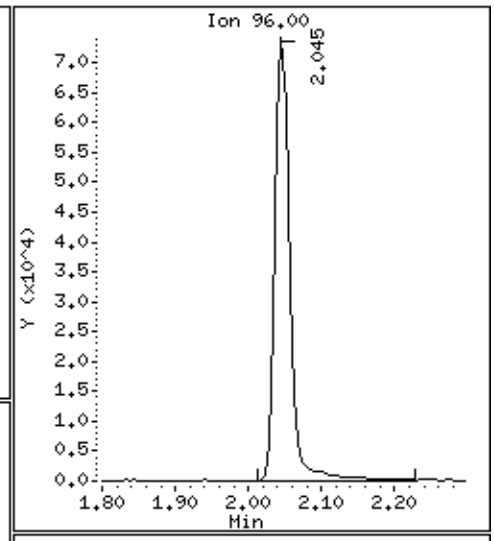
Review Code:

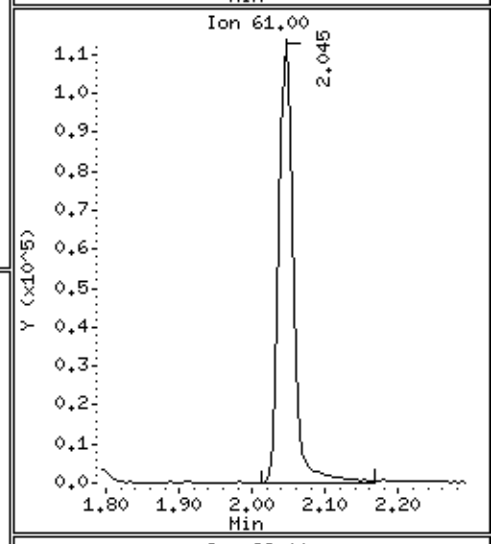


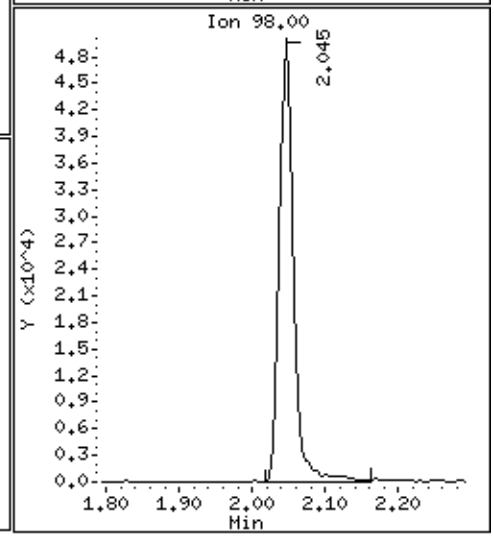












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

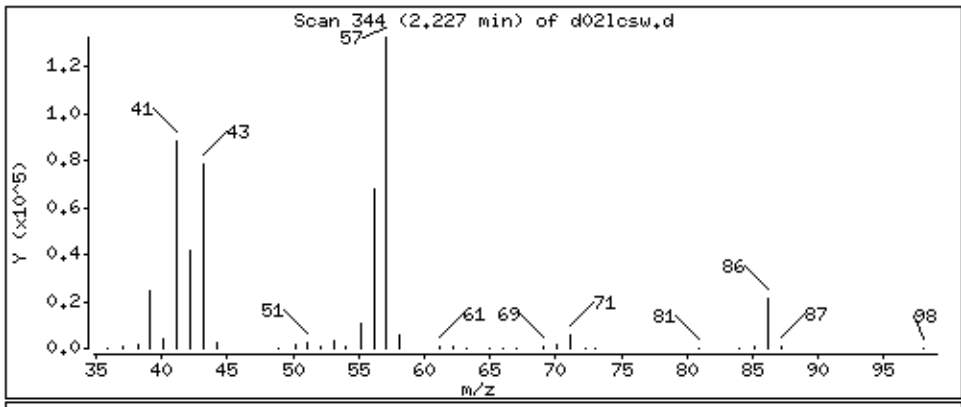
Column phase: DB-624

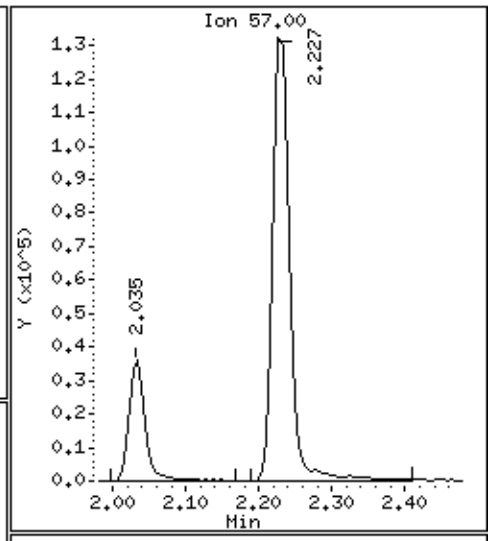
Column diameter: 0.18

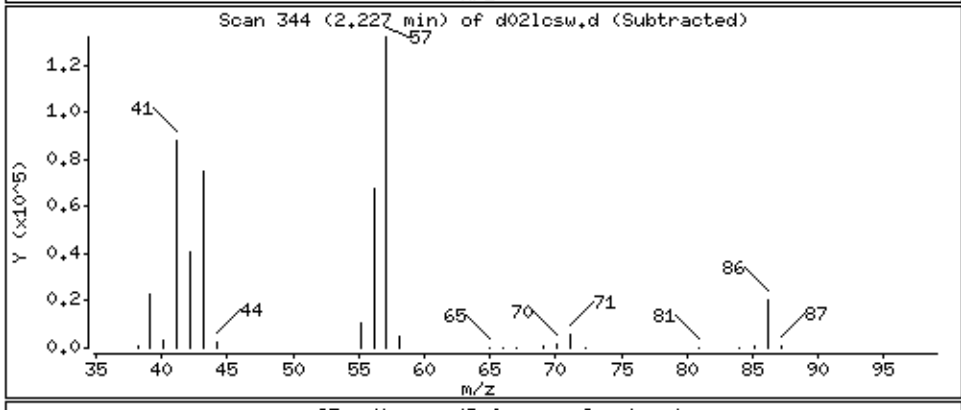
23 n-Hexane

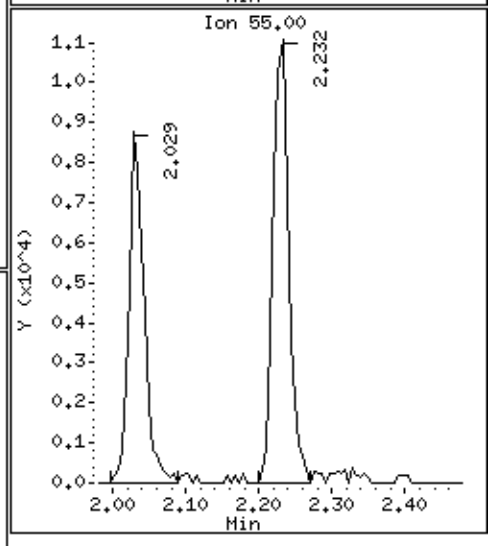
Concentration: 48.6 ppb

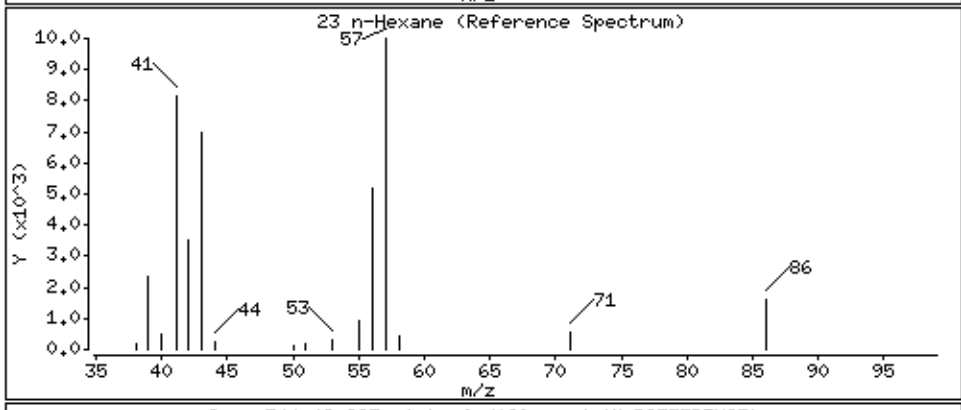
Review Code:

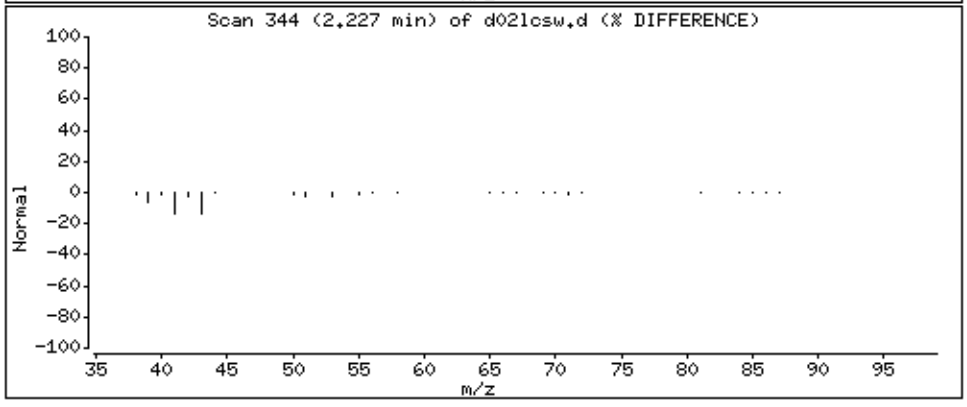












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

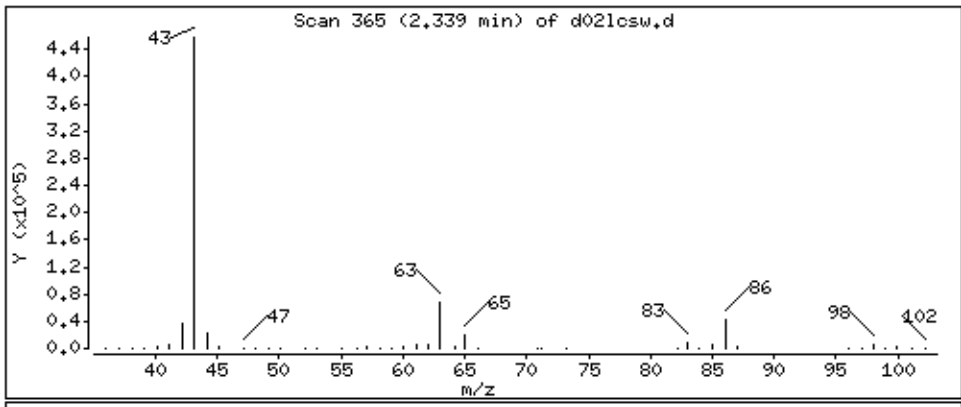
Column phase: DB-624

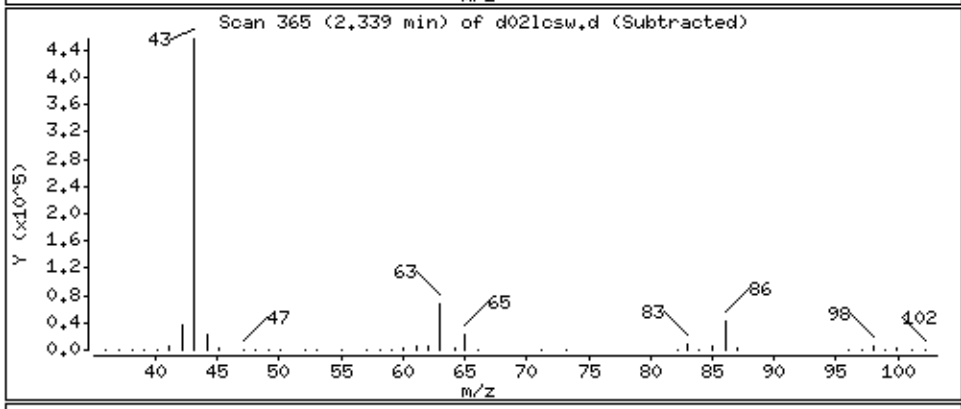
Column diameter: 0.18

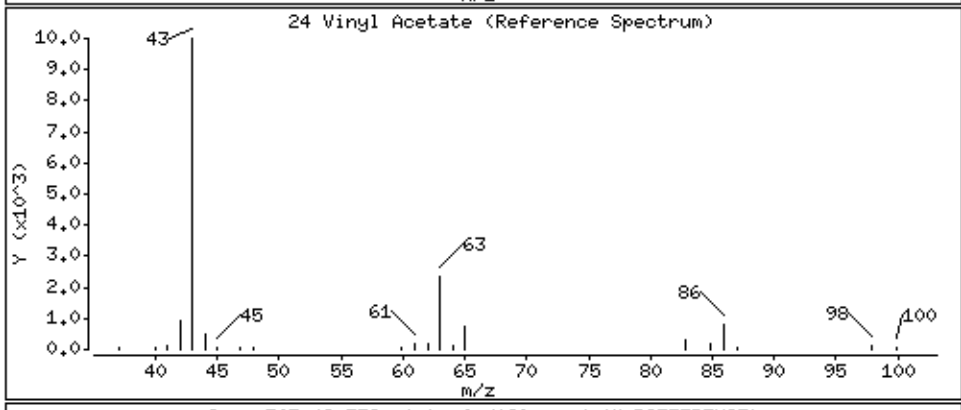
24 Vinyl Acetate

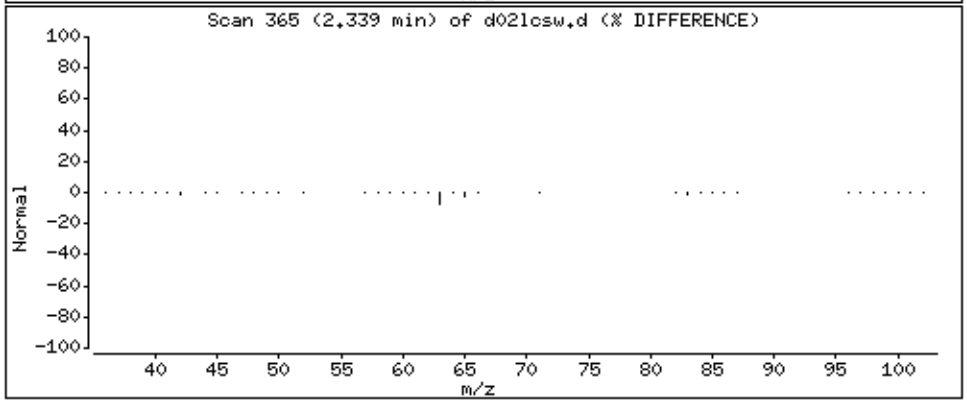
Concentration: 222 ppb

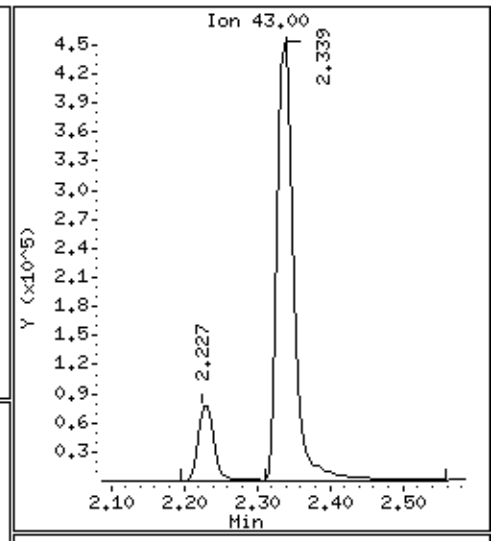
Review Code:

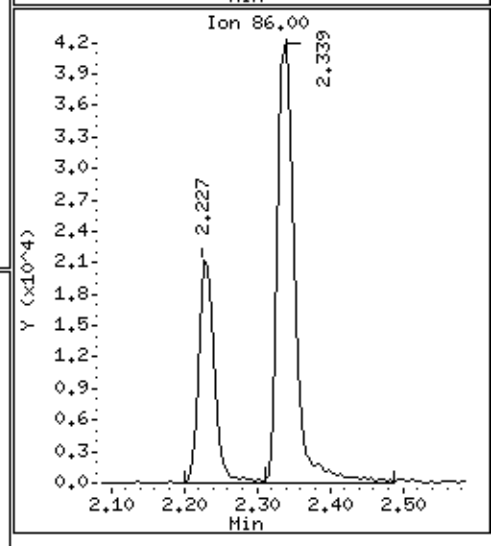












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

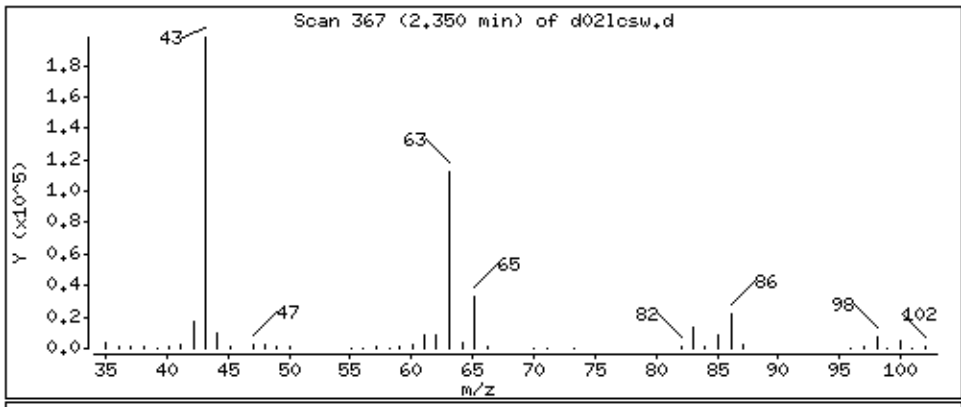
Column phase: DB-624

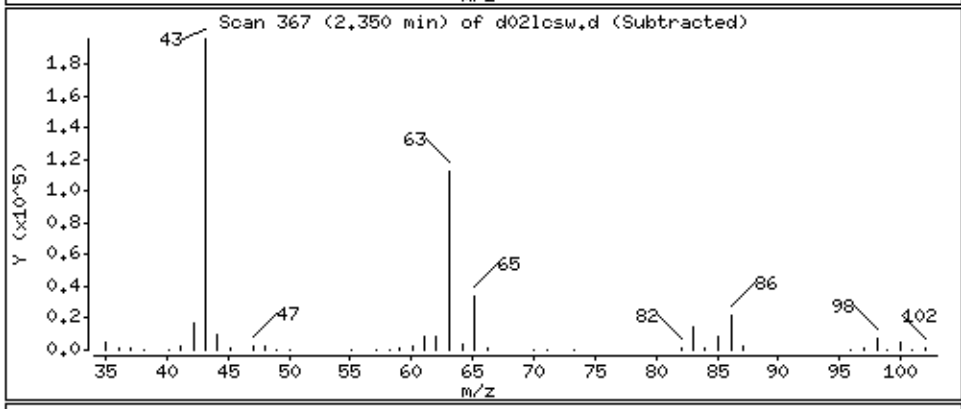
Column diameter: 0.18

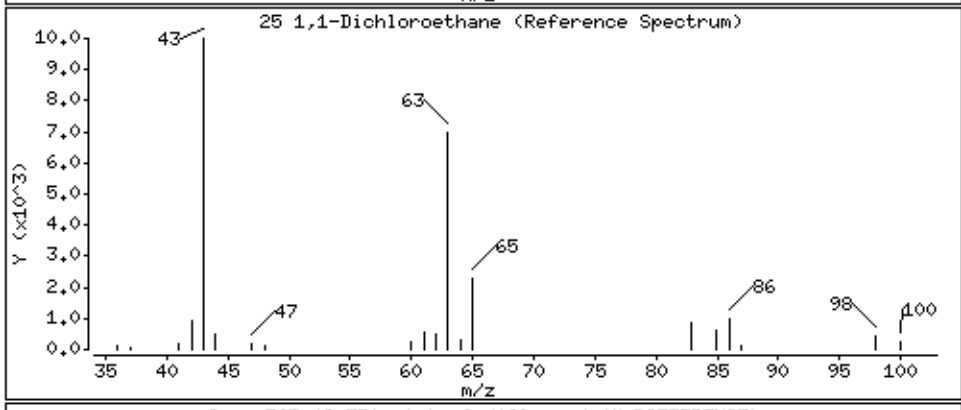
25 1,1-Dichloroethane

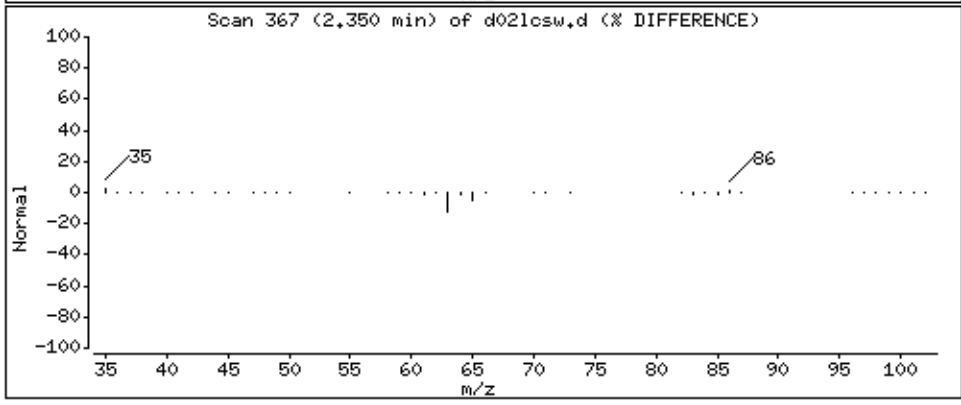
Concentration: 45.1 ppb

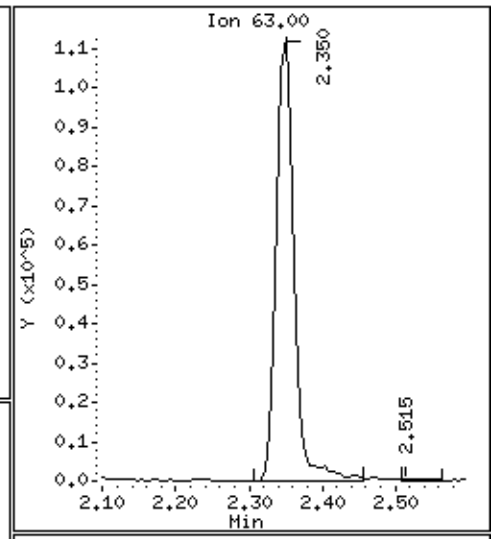
Review Code:

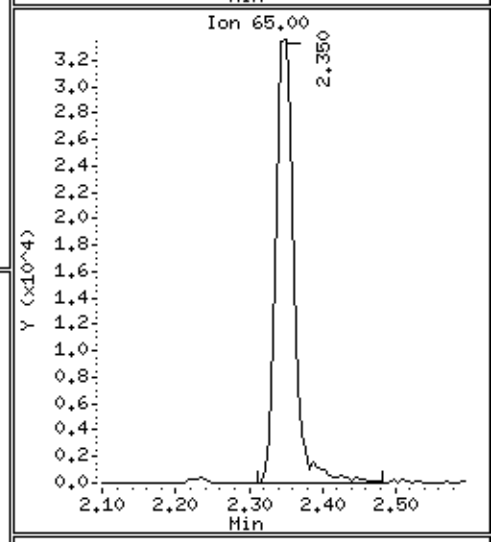


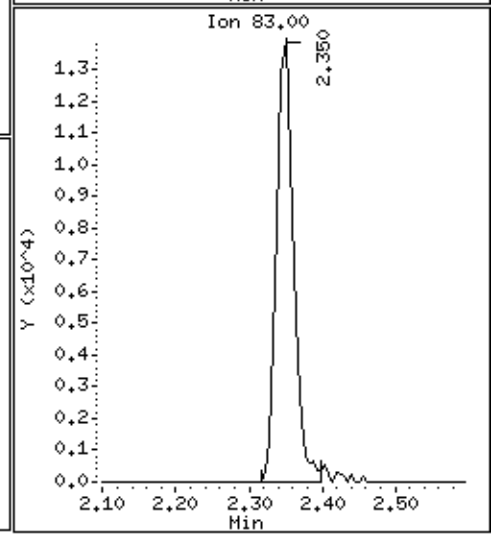












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

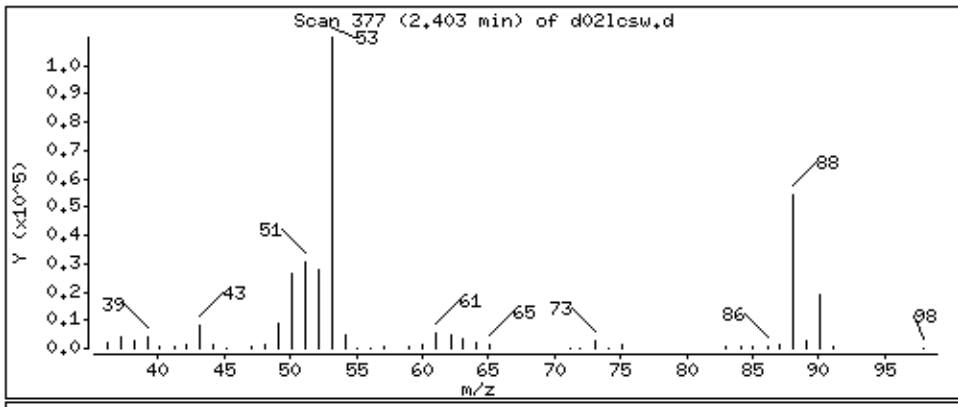
Column phase: DB-624

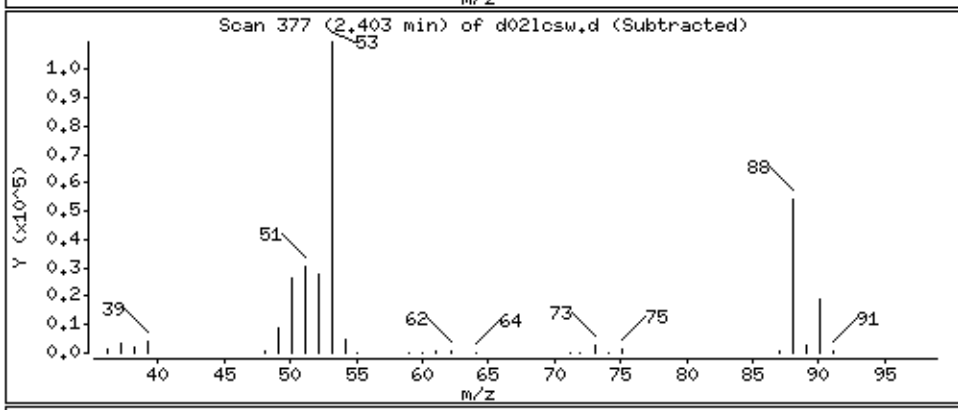
Column diameter: 0.18

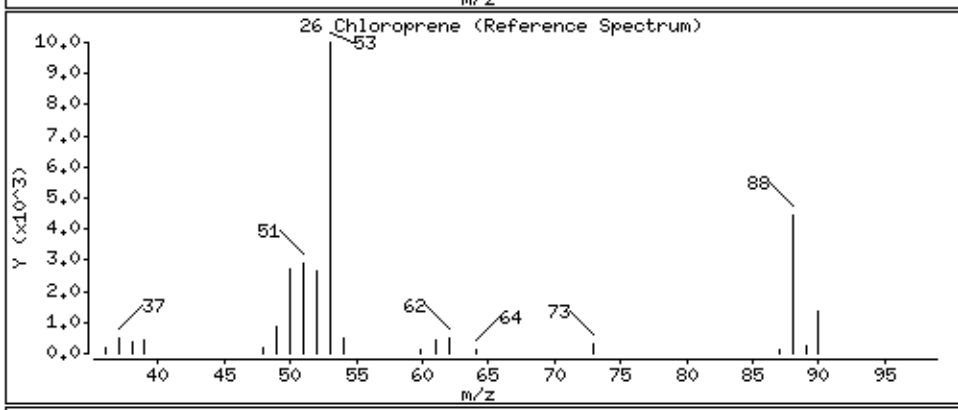
26 Chloroprene

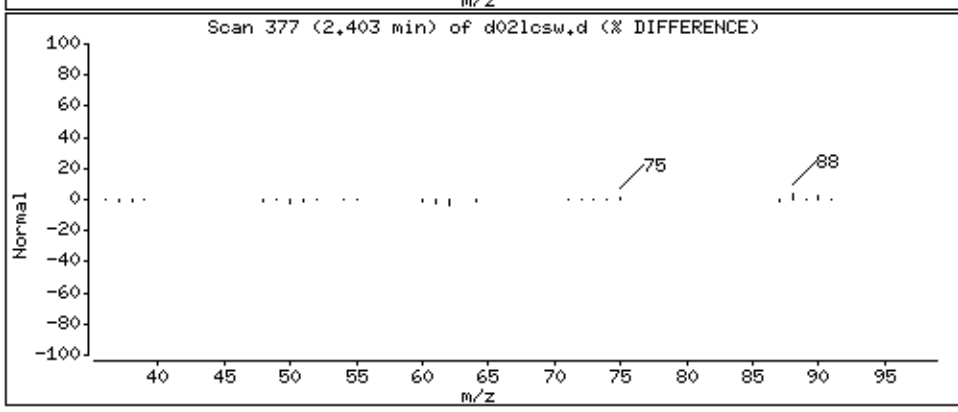
Concentration: 43.0 ppb

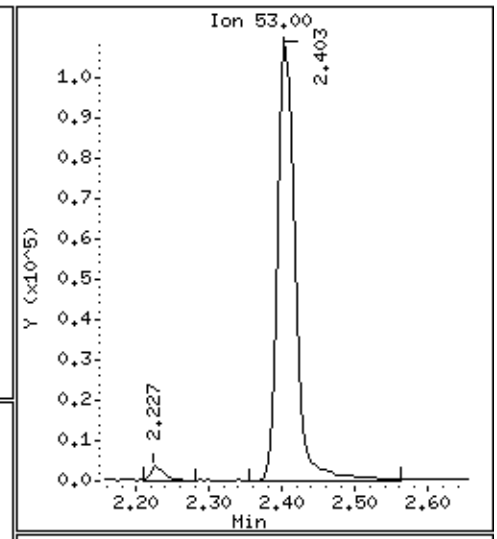
Review Code:

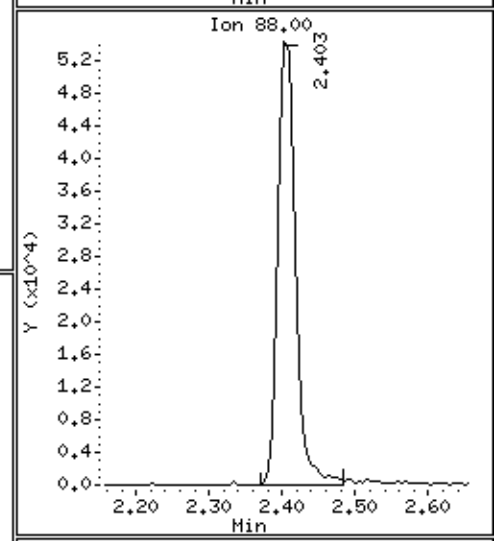


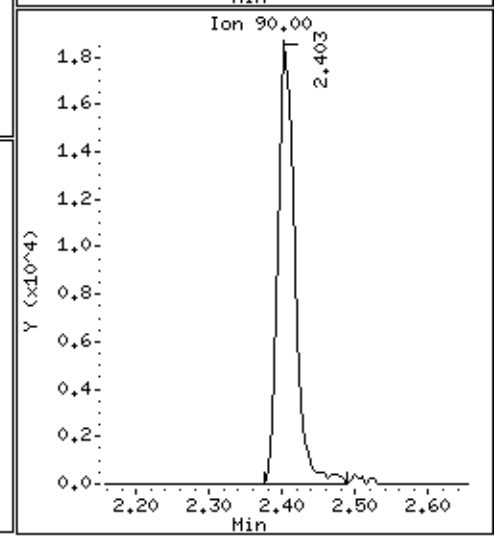












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

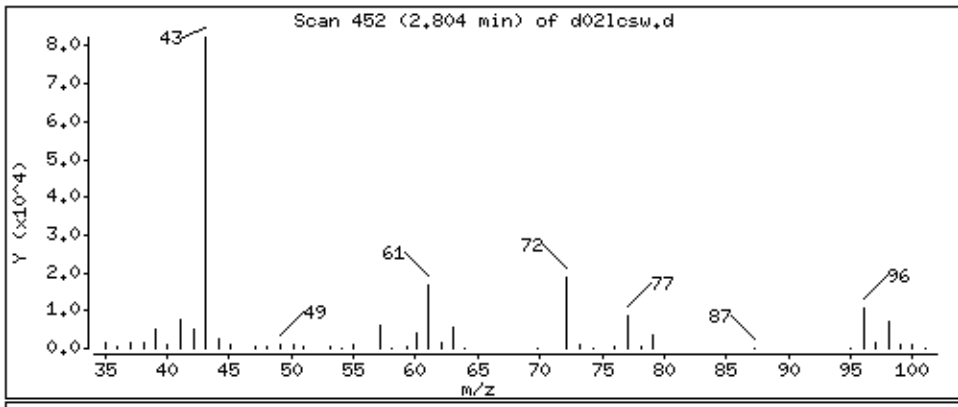
Column phase: DB-624

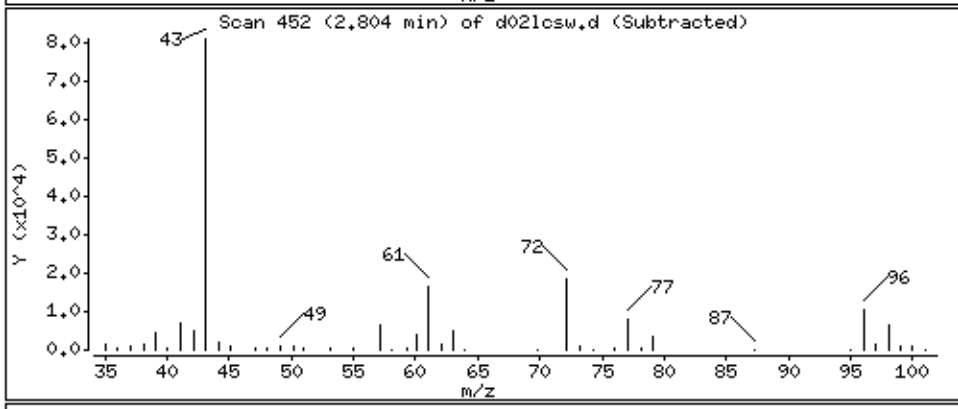
Column diameter: 0.18

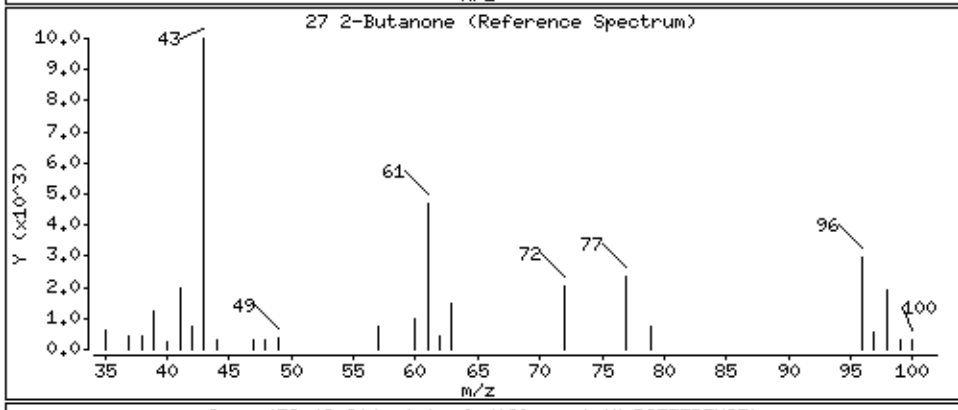
27 2-Butanone

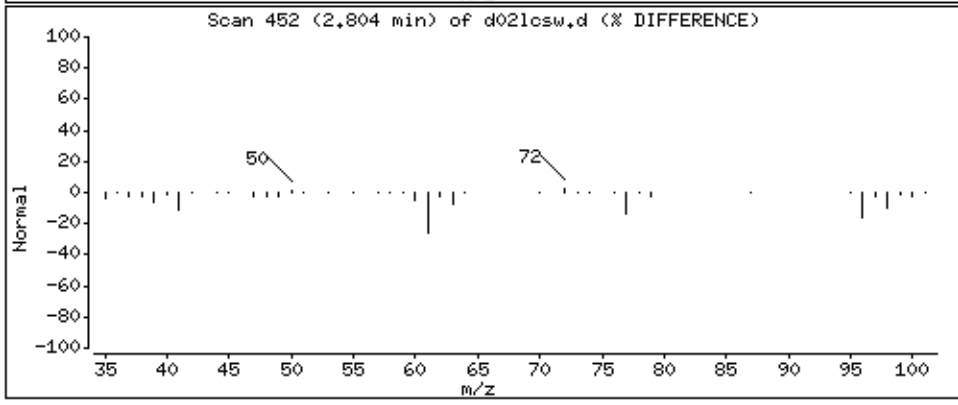
Concentration: 260 ppb

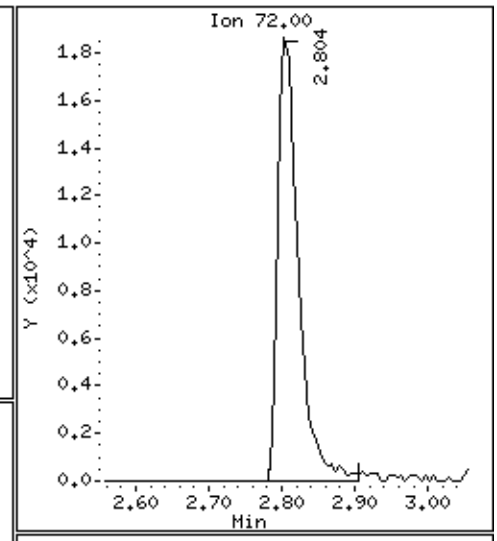
Review Code:

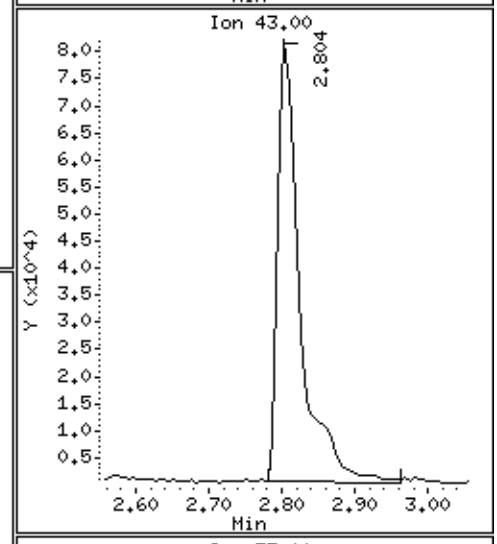


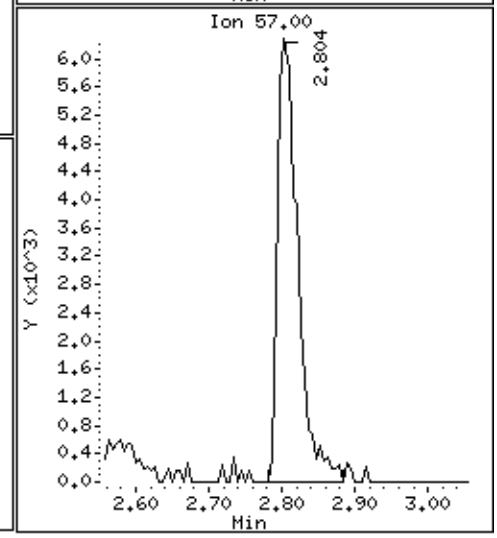












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

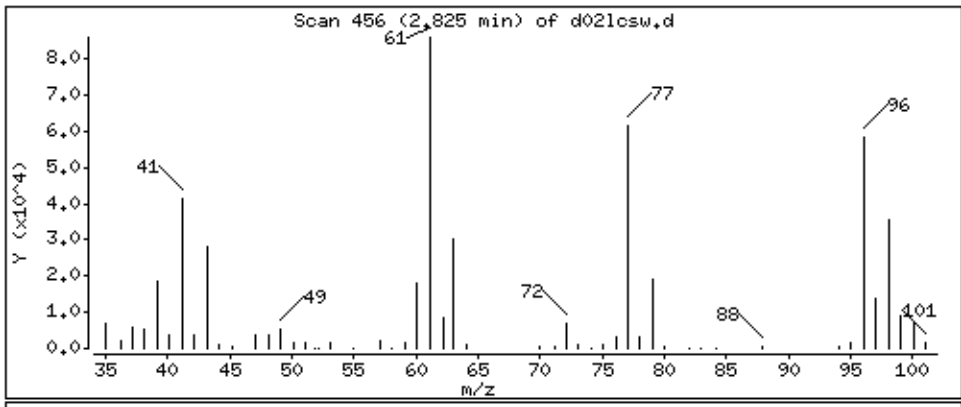
Column phase: DB-624

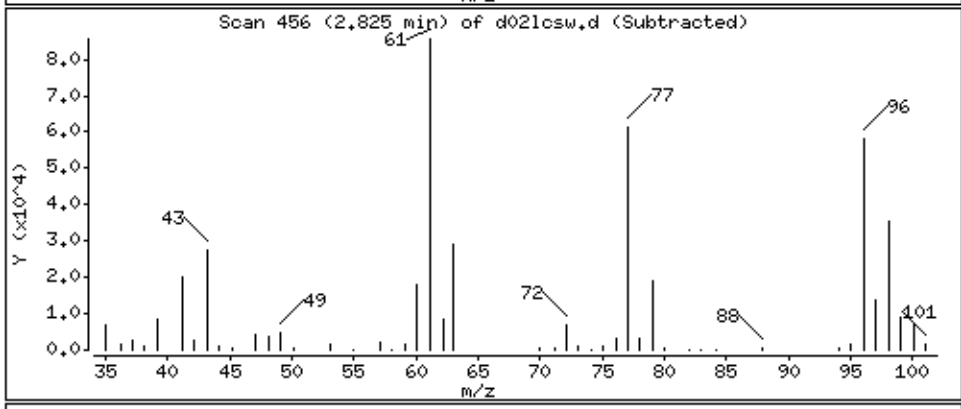
Column diameter: 0.18

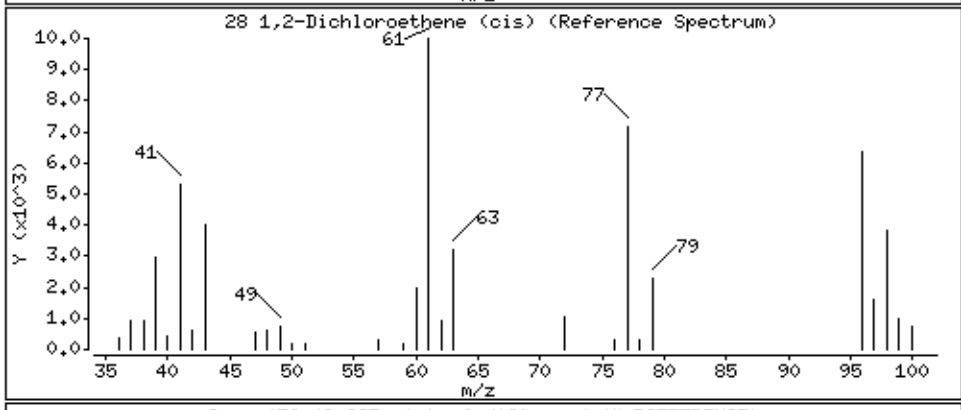
28 1,2-Dichloroethene (cis)

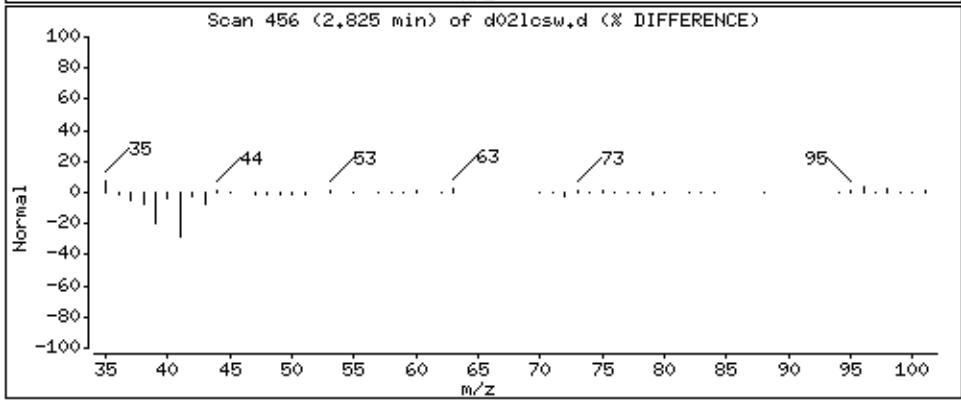
Concentration: 47.0 ppb

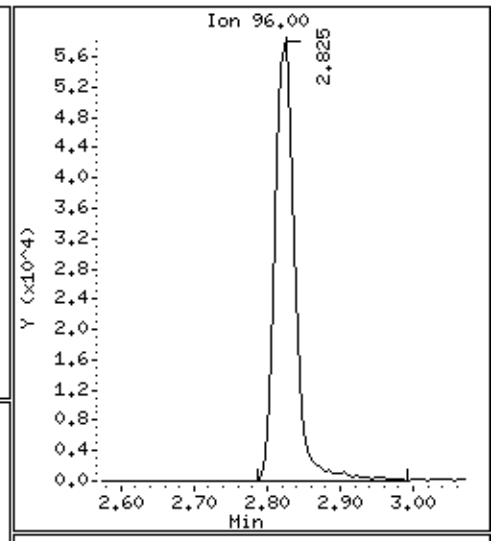
Review Code:

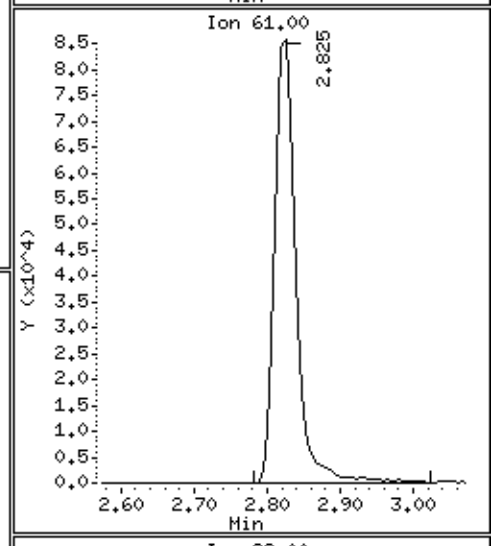


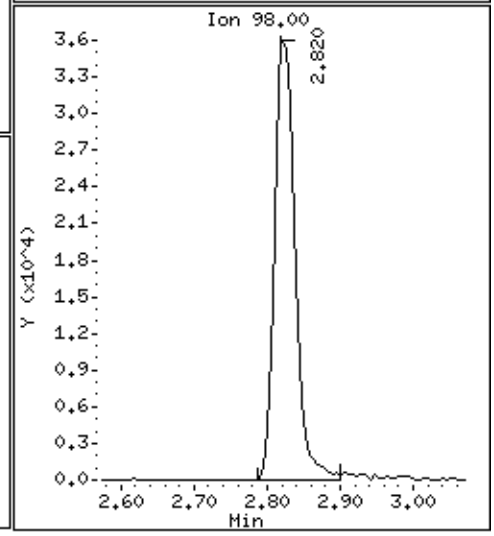












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

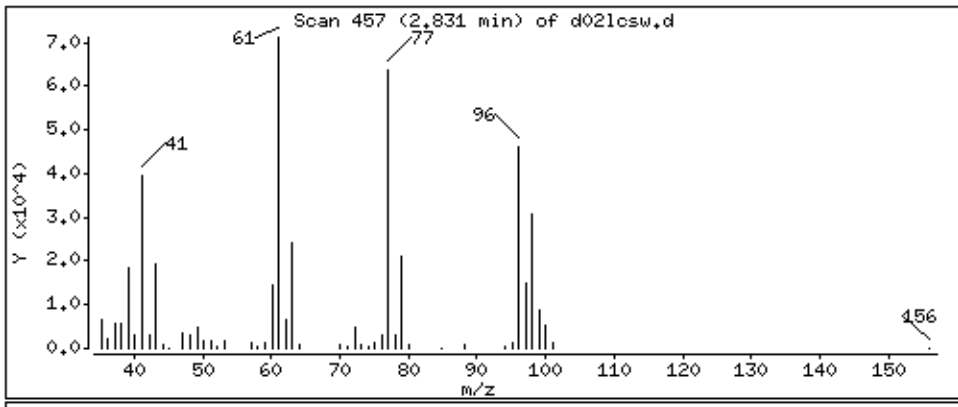
Column phase: DB-624

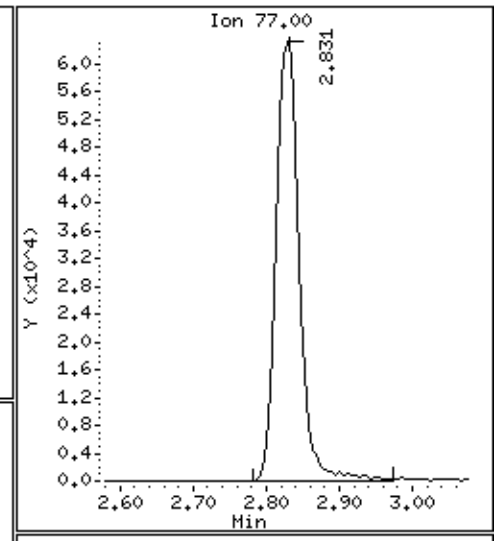
Column diameter: 0.18

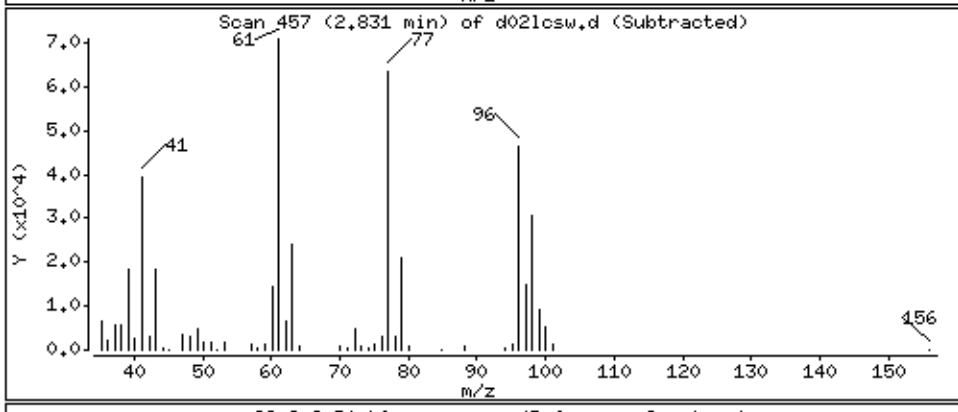
29 2,2-Dichloropropane

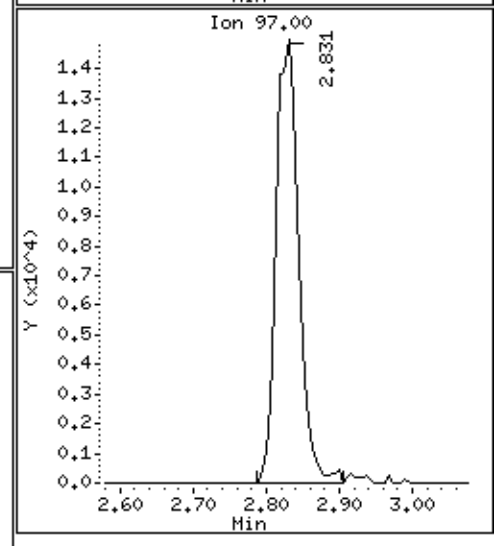
Concentration: 42.6 ppb

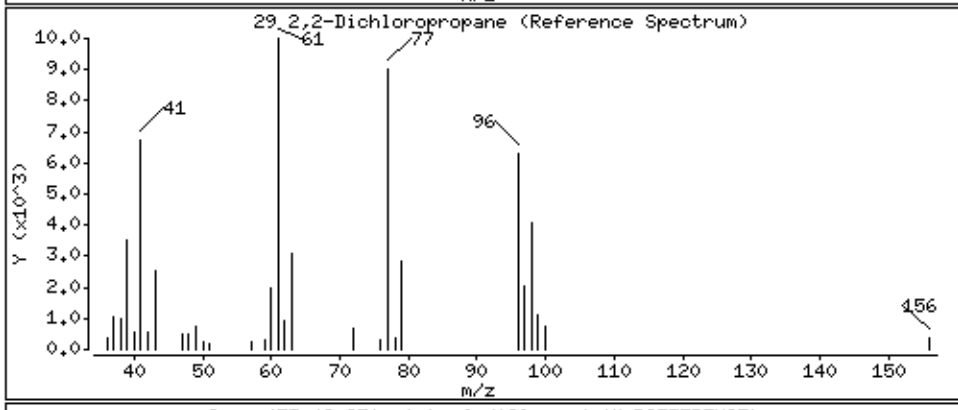
Review Code:

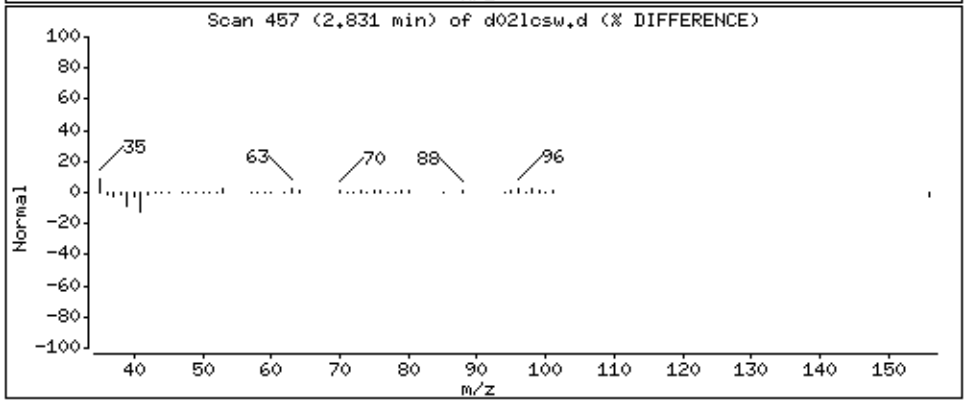












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

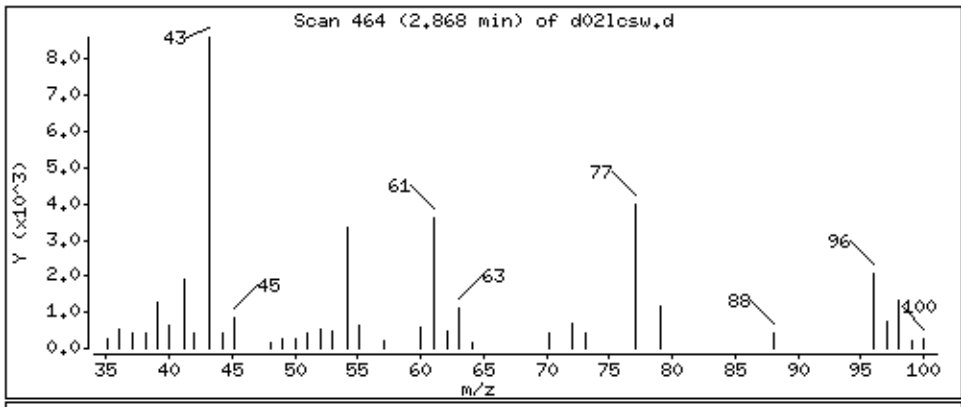
Column phase: DB-624

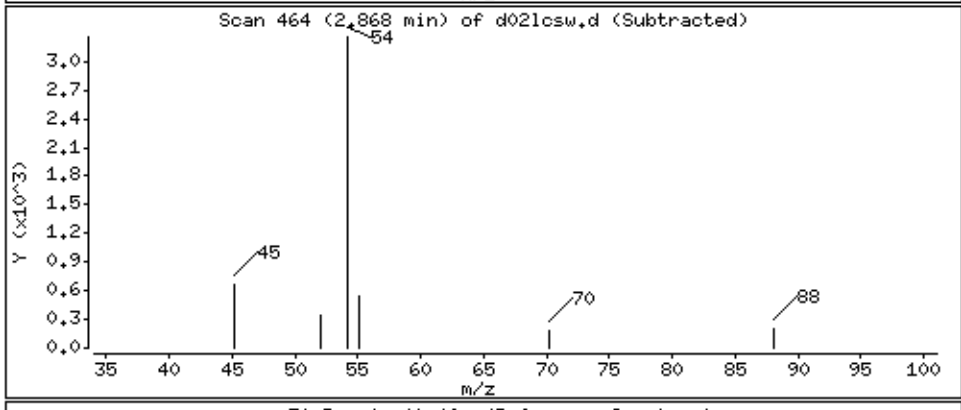
Column diameter: 0.18

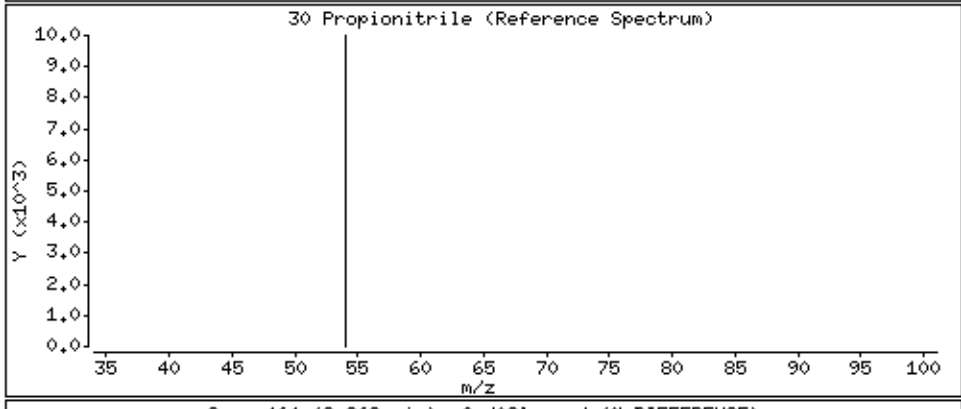
30 Propionitrile

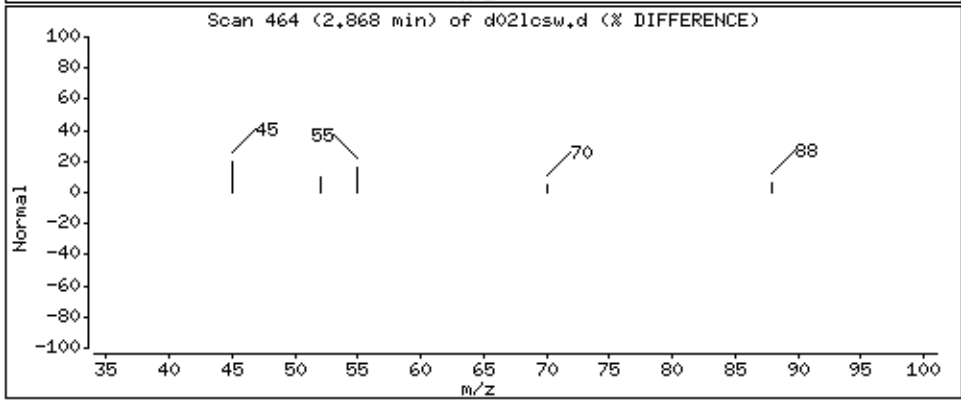
Concentration: 45.2 ppb

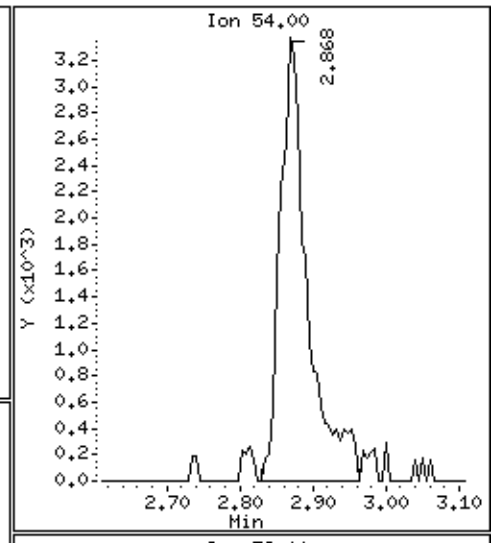
Review Code:

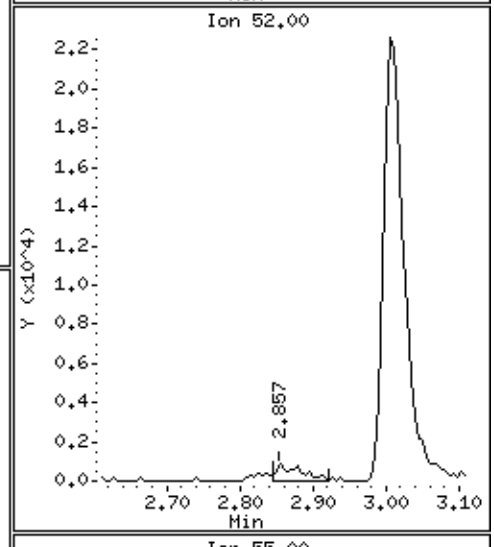


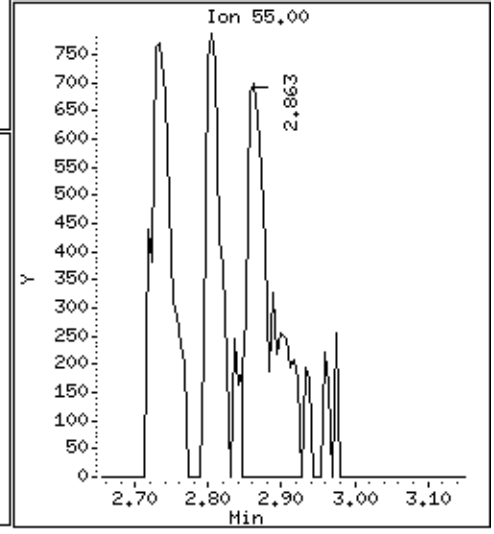












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

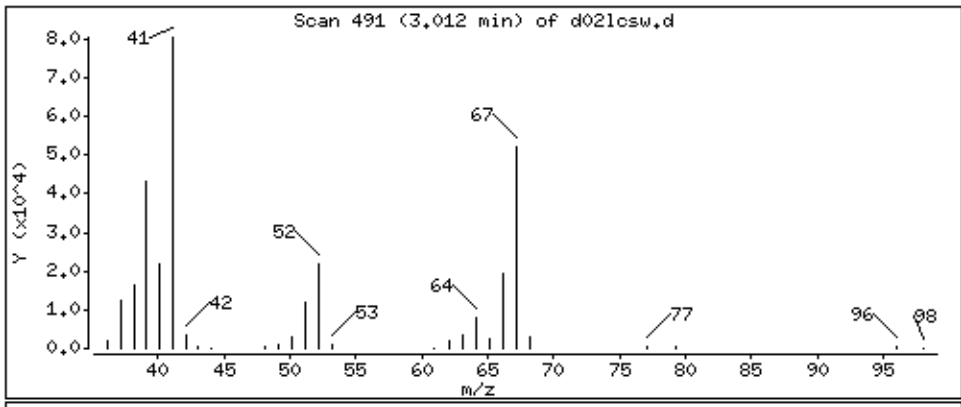
Column phase: DB-624

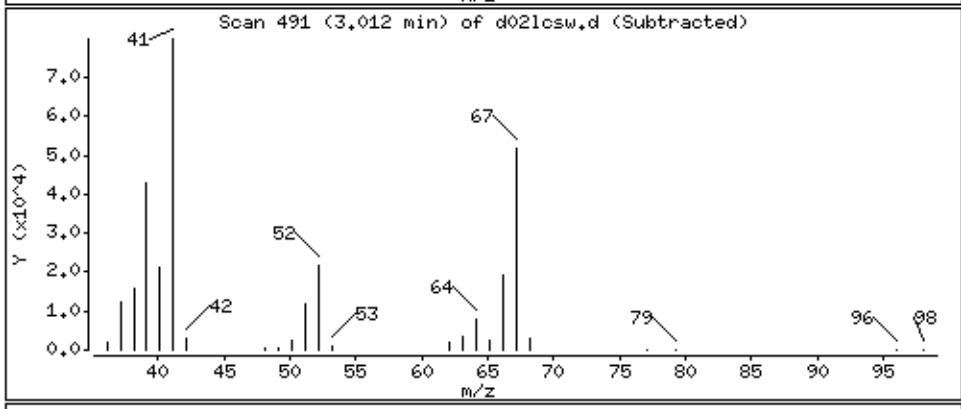
Column diameter: 0.18

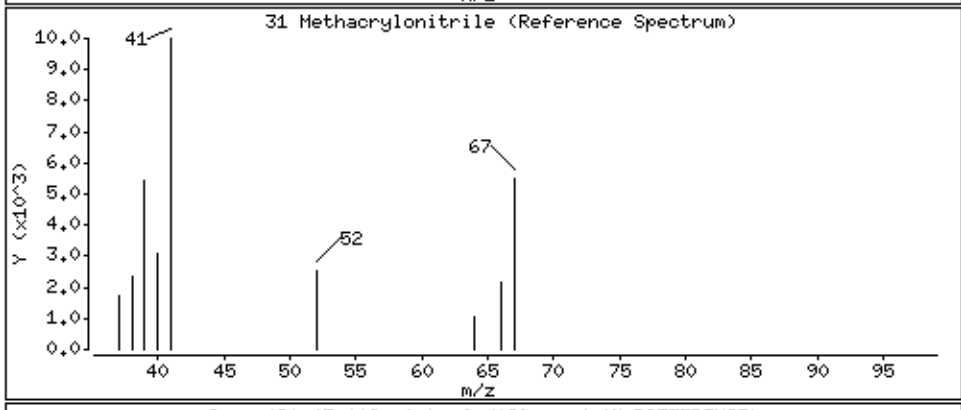
31 Methacrylonitrile

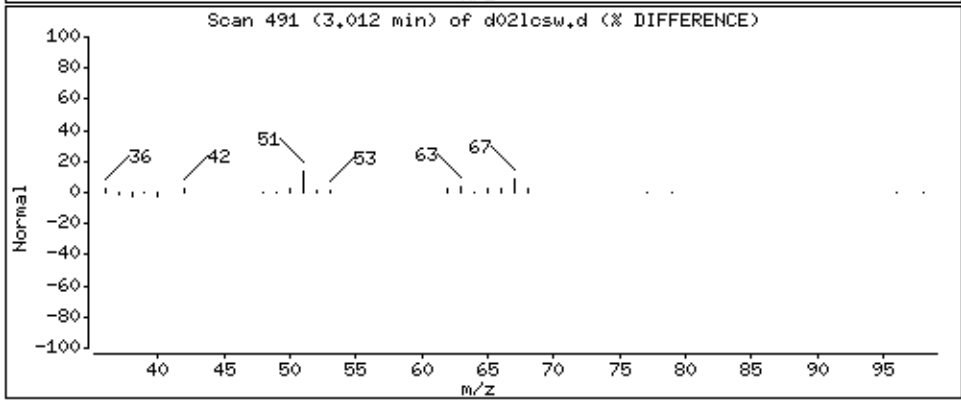
Concentration: 202 ppb

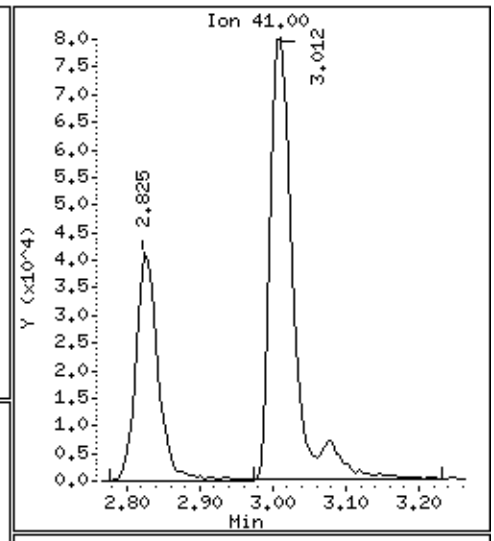
Review Code:

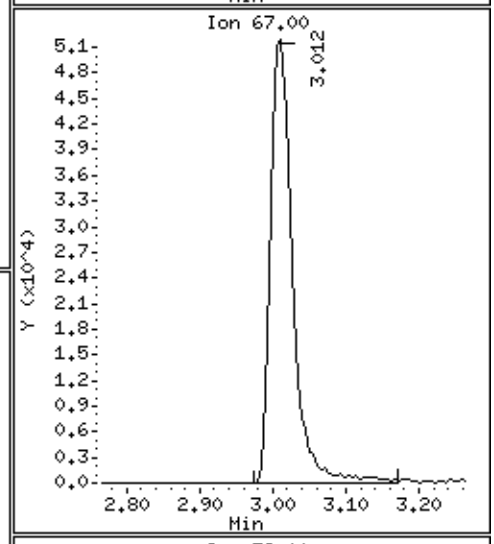


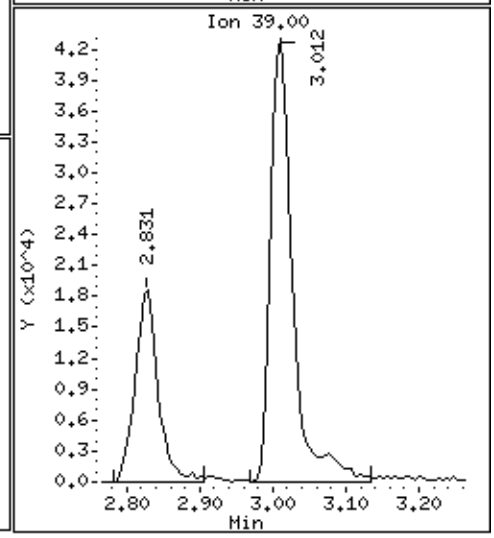












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

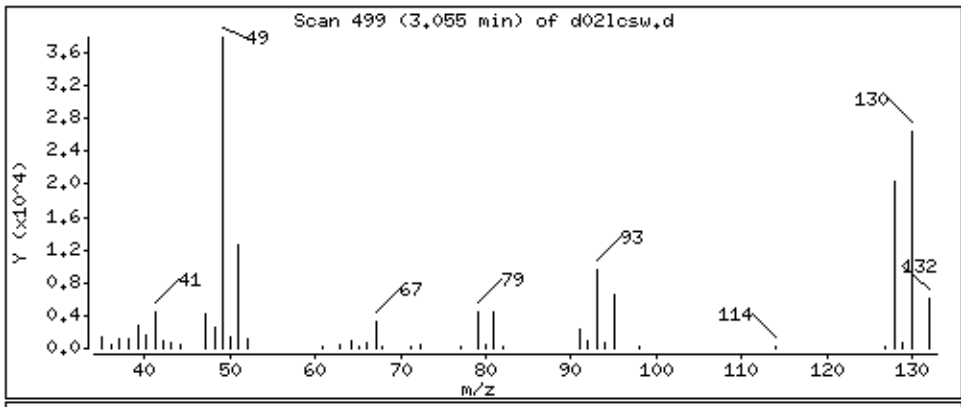
Column phase: DB-624

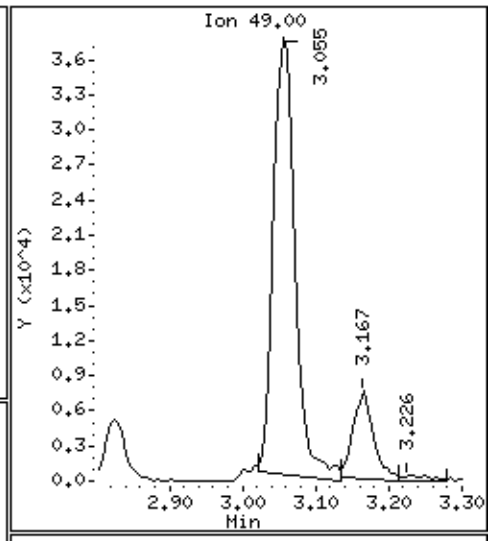
Column diameter: 0.18

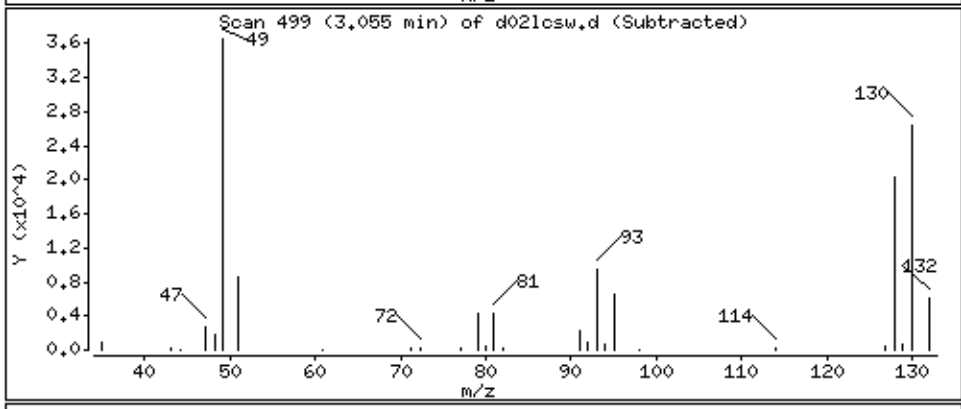
32 Bromochloromethane

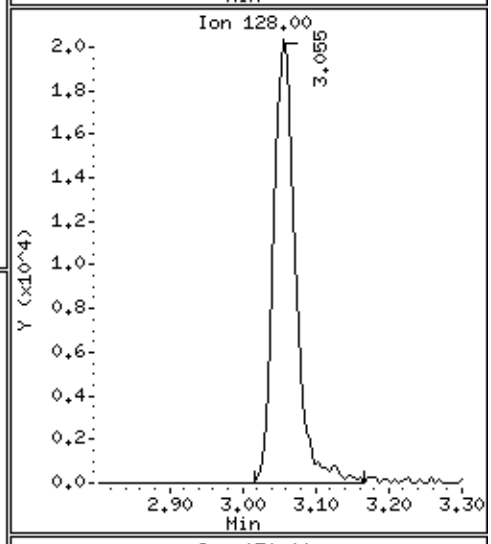
Concentration: 42.2 ppb

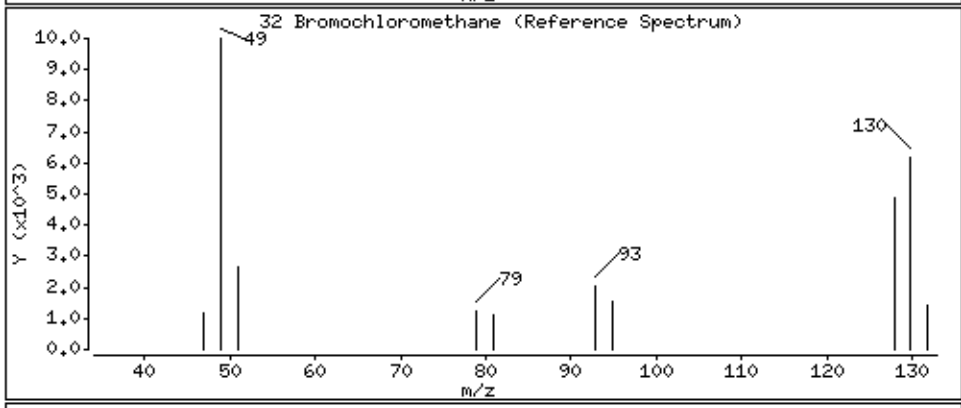
Review Code:

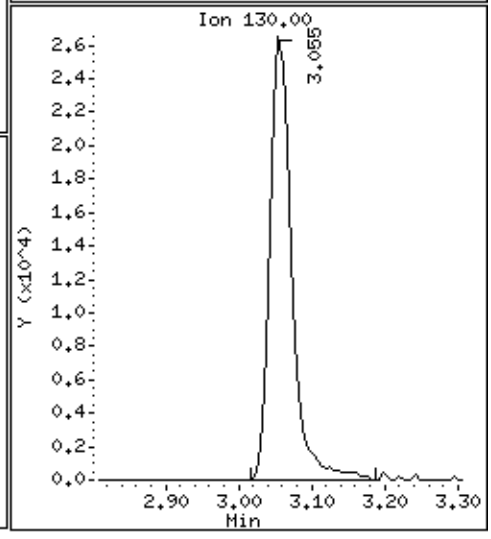


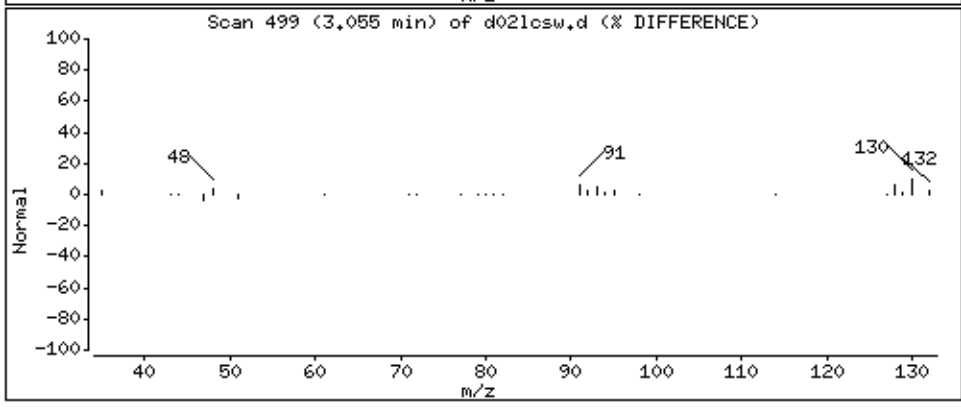












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

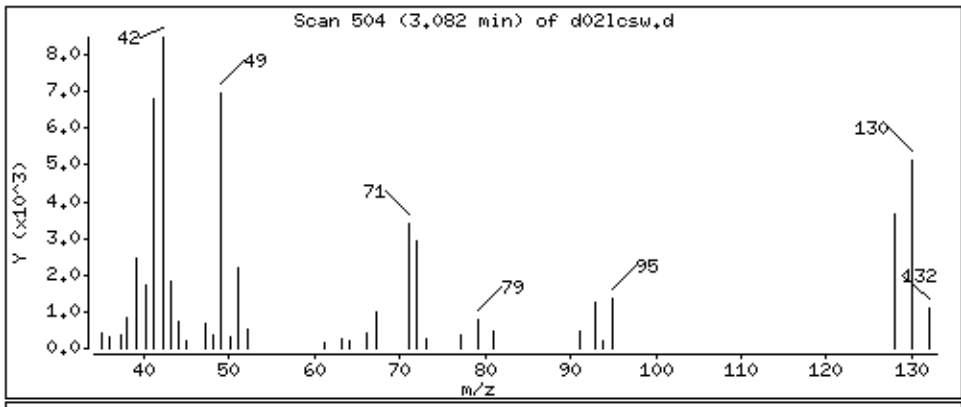
Column phase: DB-624

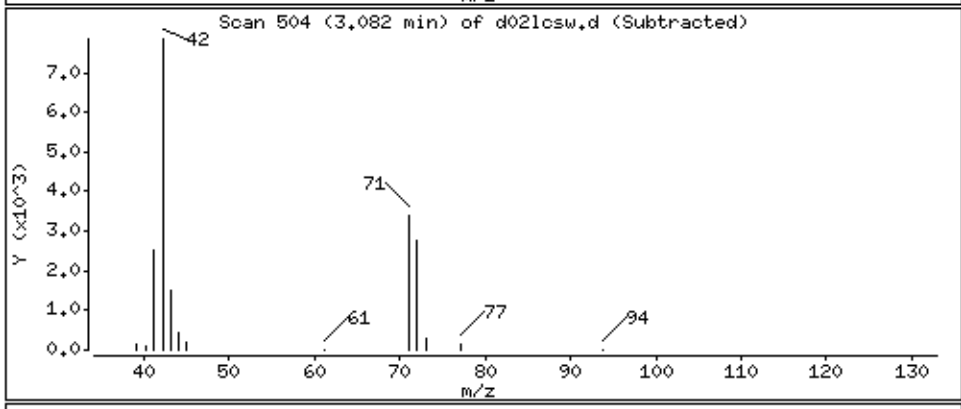
Column diameter: 0.18

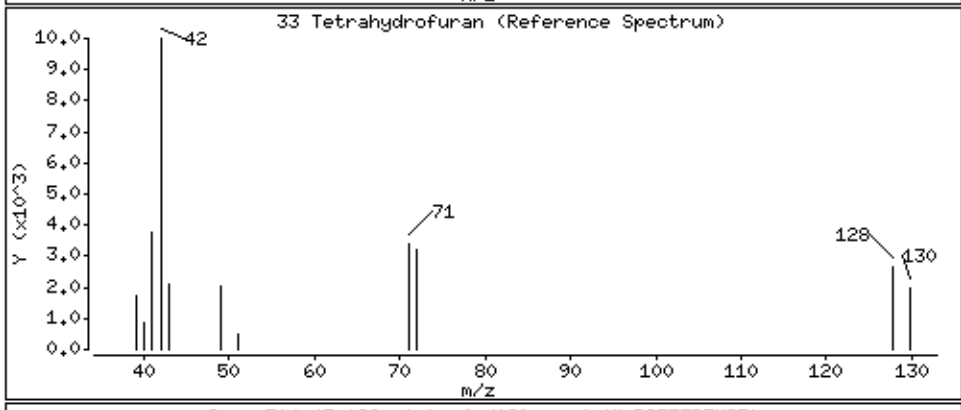
33 Tetrahydrofuran

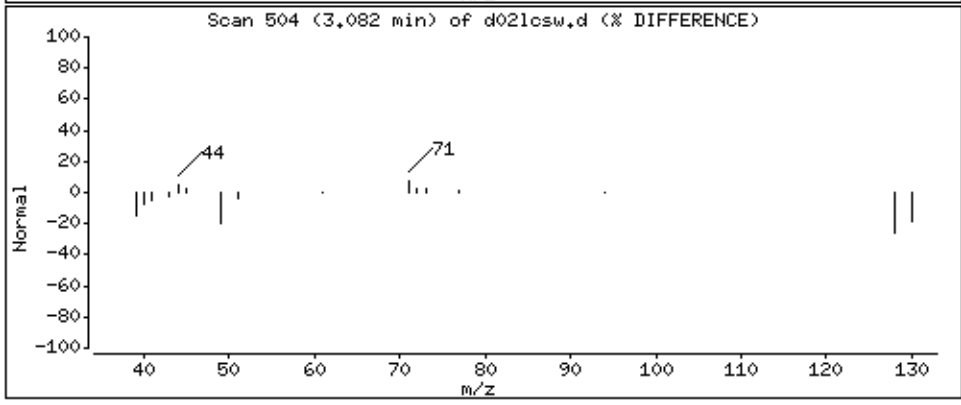
Concentration: 39.8 ppb

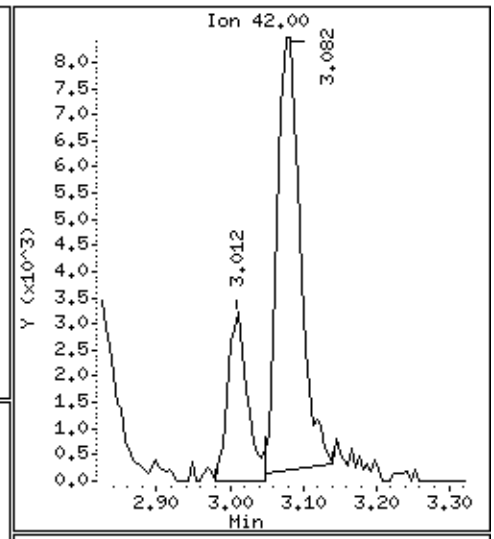
Review Code:

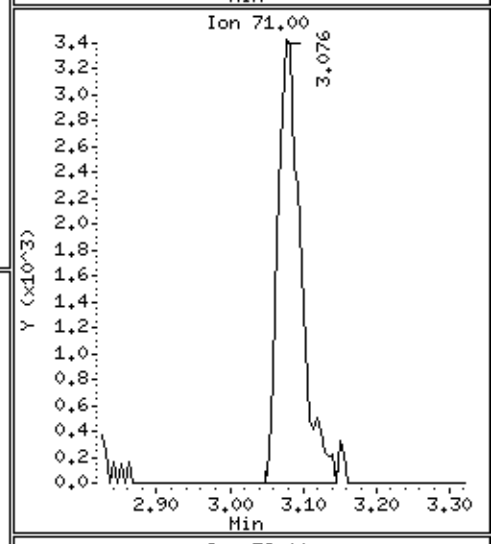


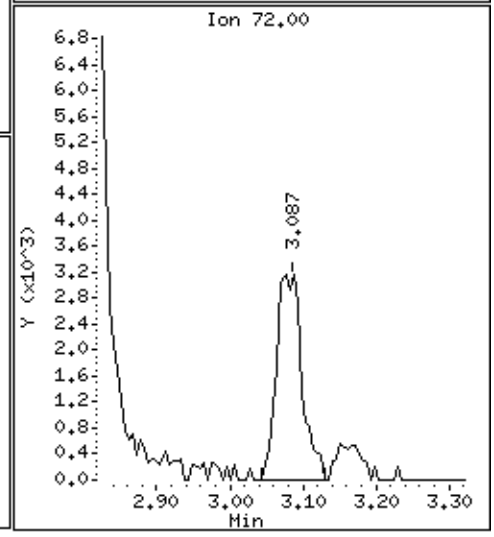












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

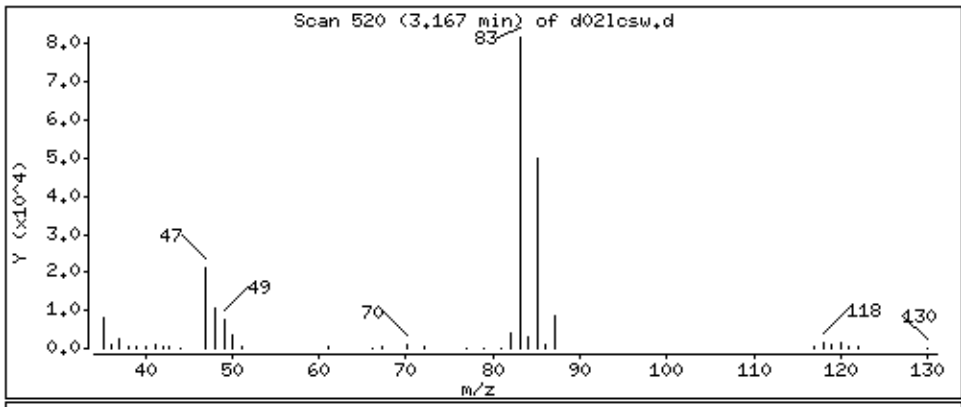
Column phase: DB-624

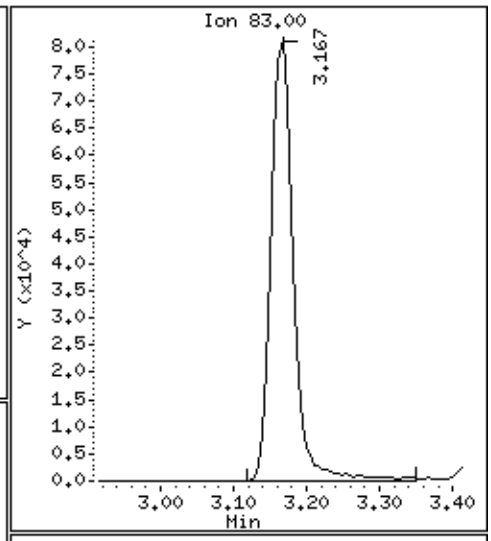
Column diameter: 0.18

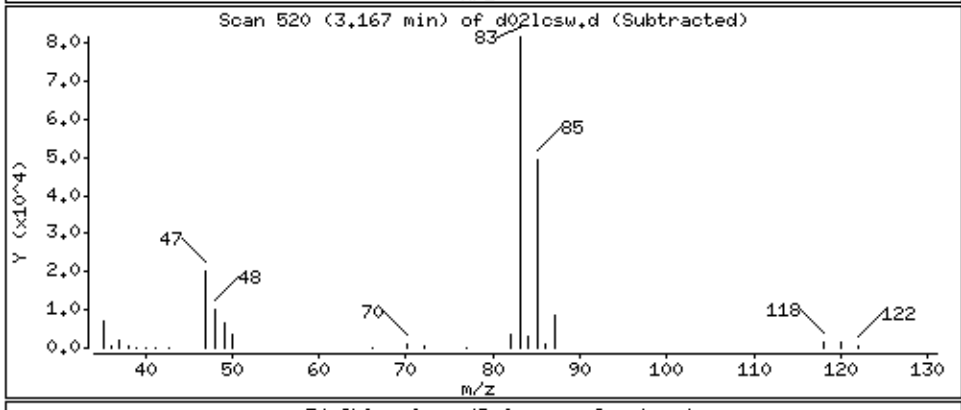
34 Chloroform

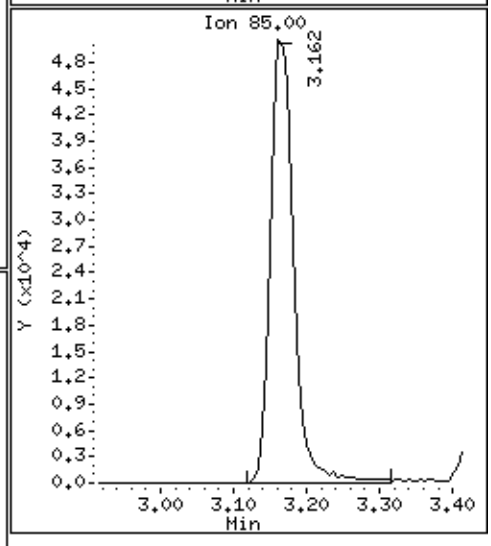
Concentration: 43.7 ppb

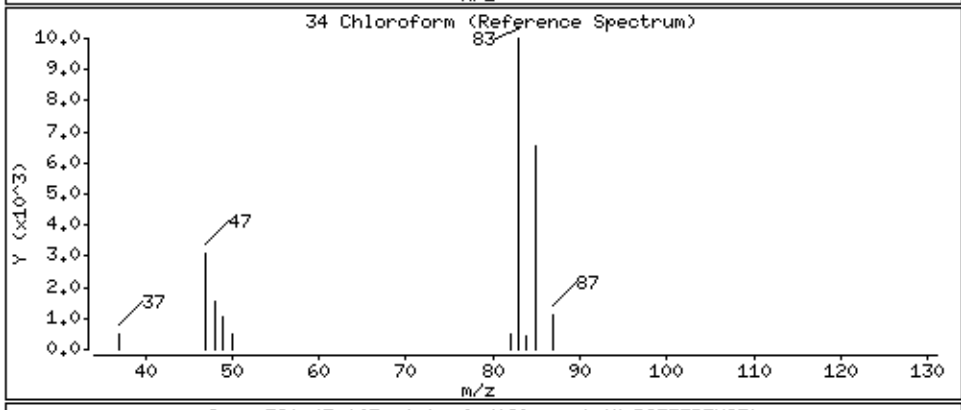
Review Code:

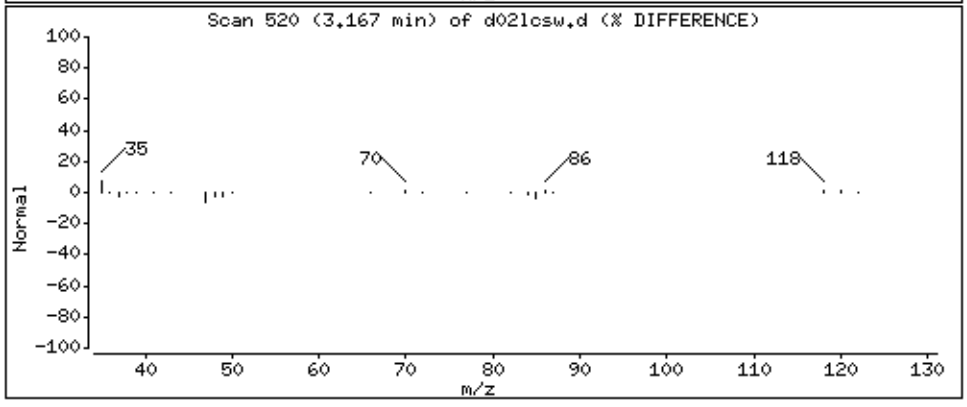












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

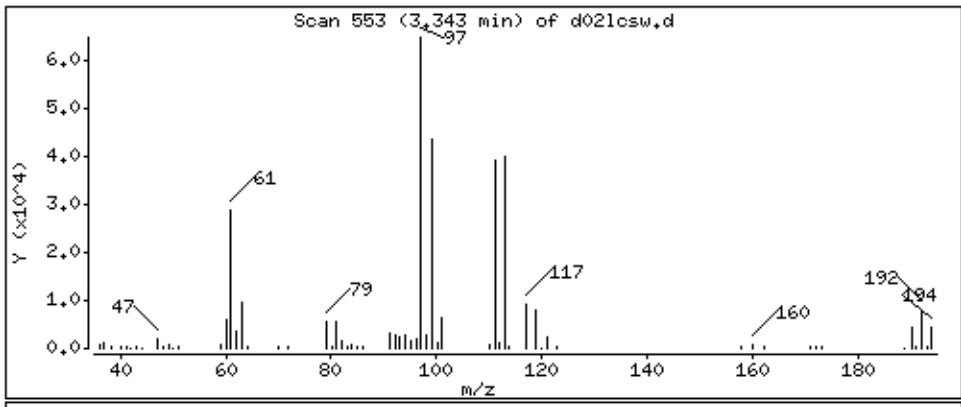
Column phase: DB-624

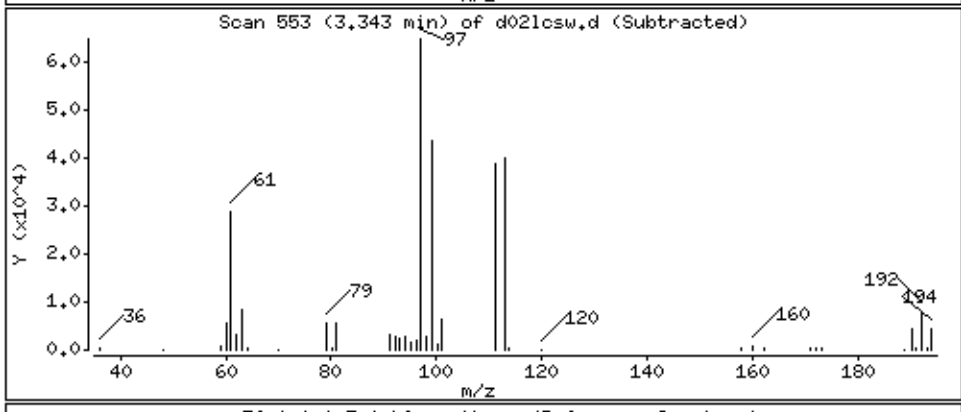
Column diameter: 0.18

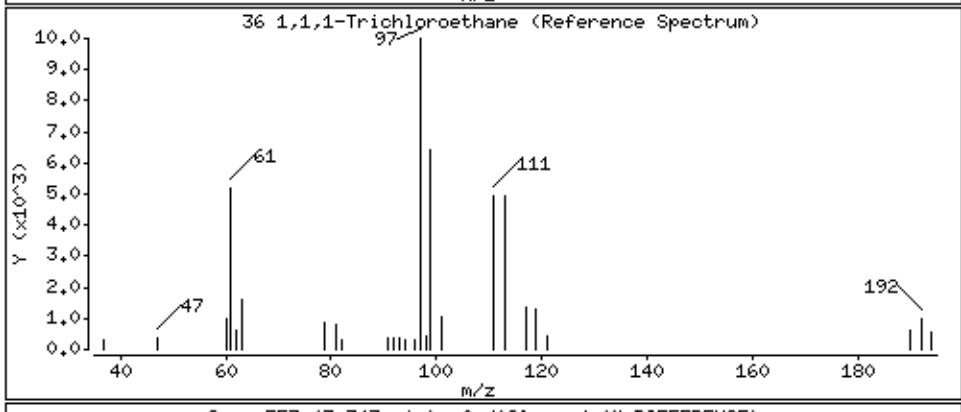
36 1,1,1-Trichloroethane

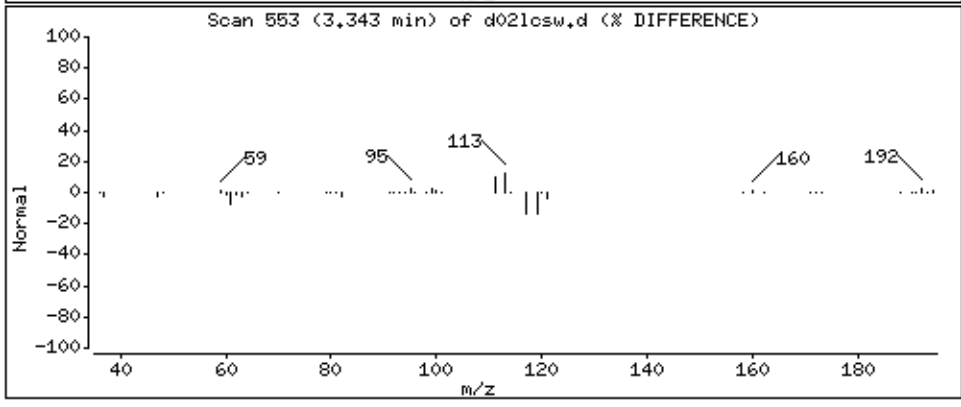
Concentration: 44.2 ppb

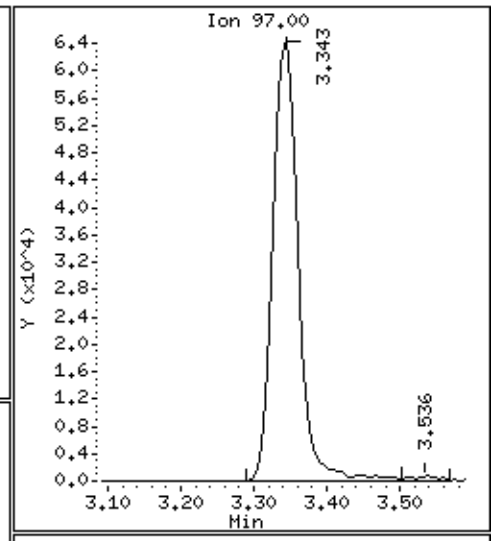
Review Code:

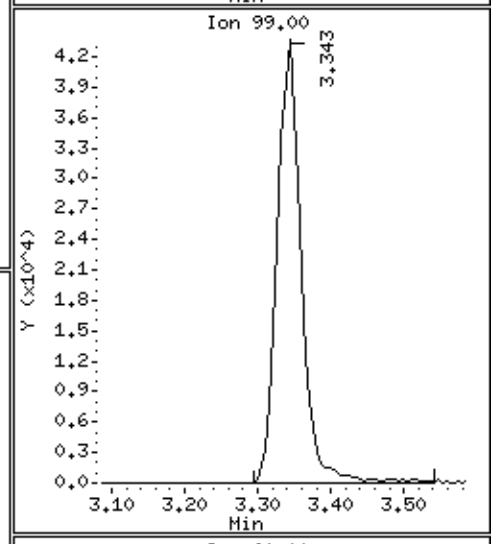


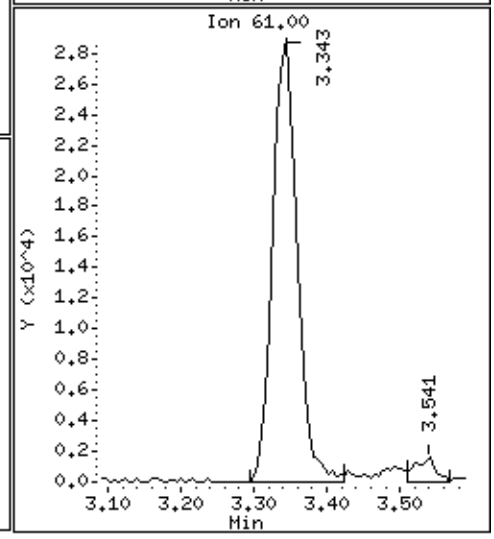












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

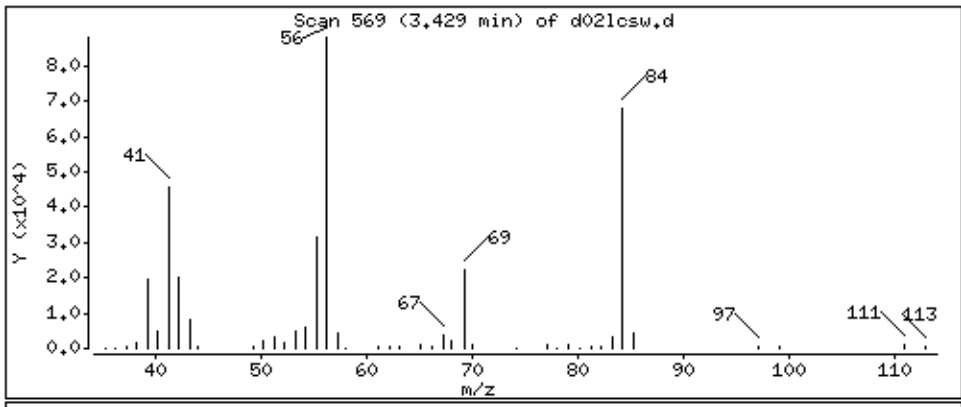
Column phase: DB-624

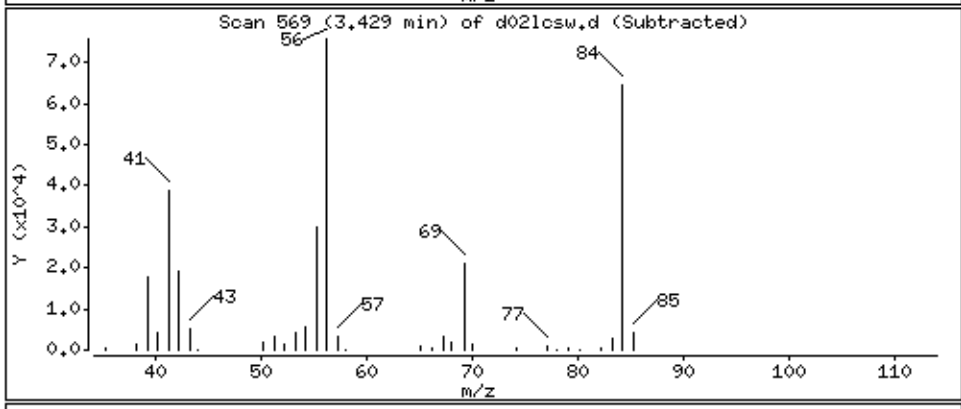
Column diameter: 0.18

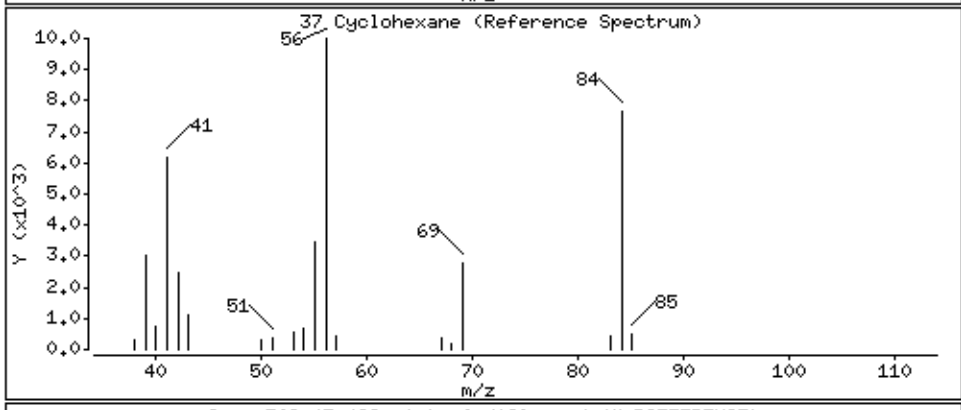
37 Cyclohexane

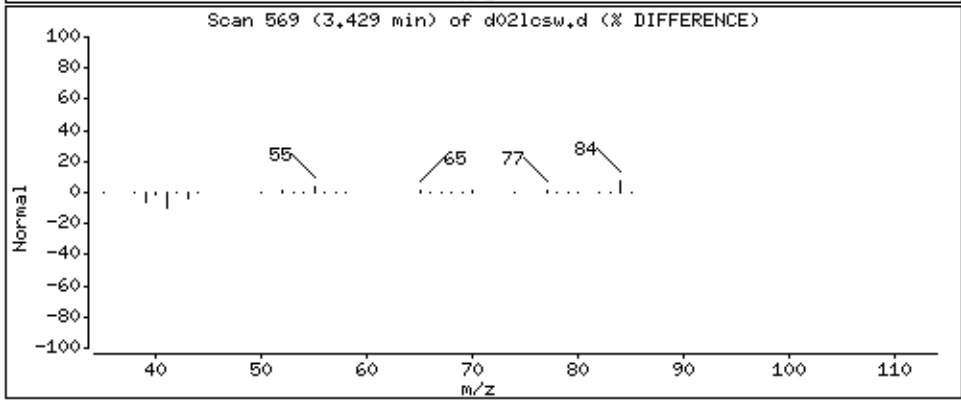
Concentration: 47.8 ppb

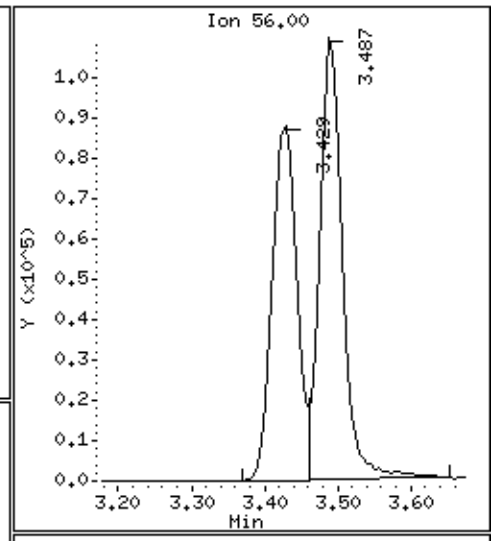
Review Code:

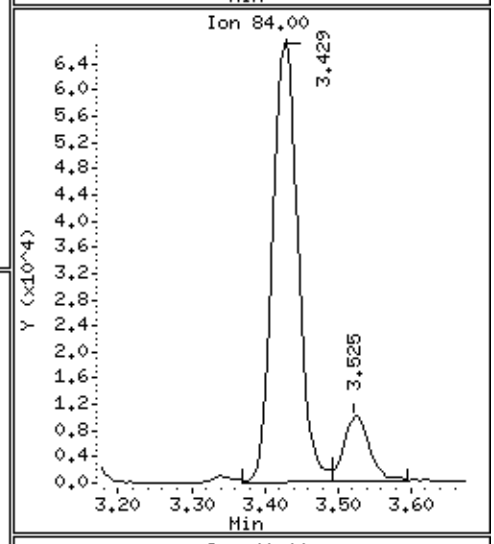


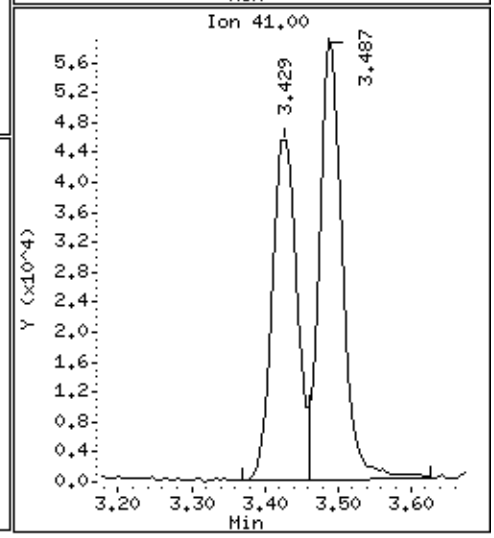












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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

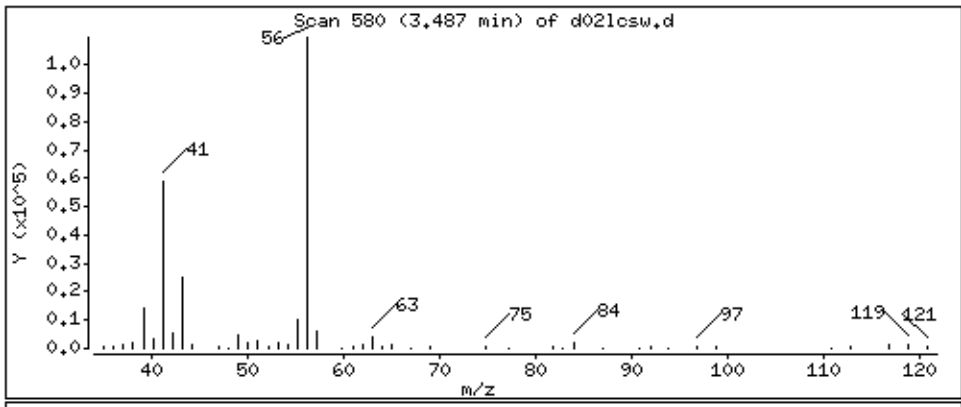
Column phase: DB-624

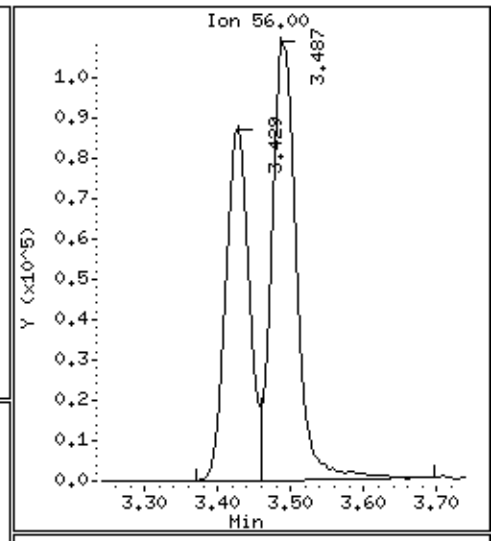
Column diameter: 0.18

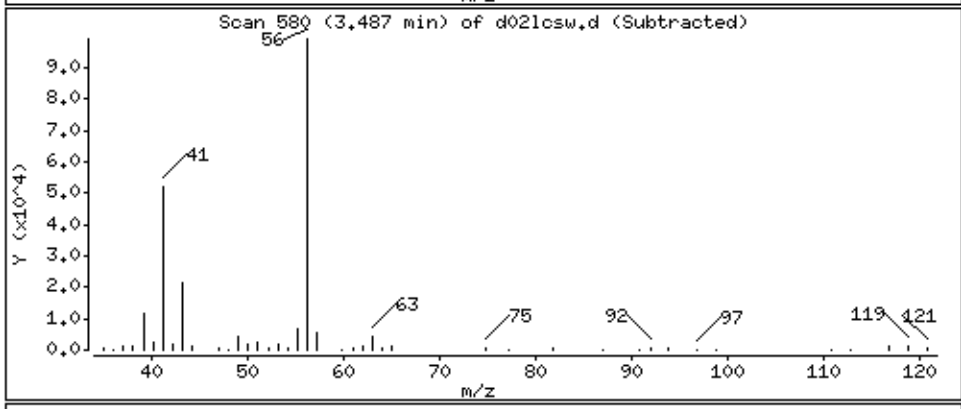
151 n-Butyl chloride

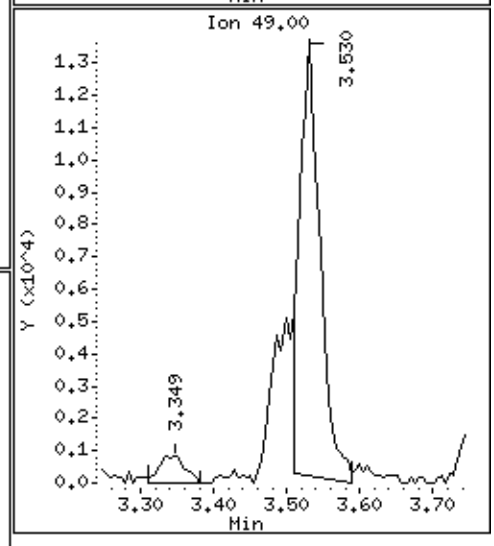
Concentration: 47.3 ppb

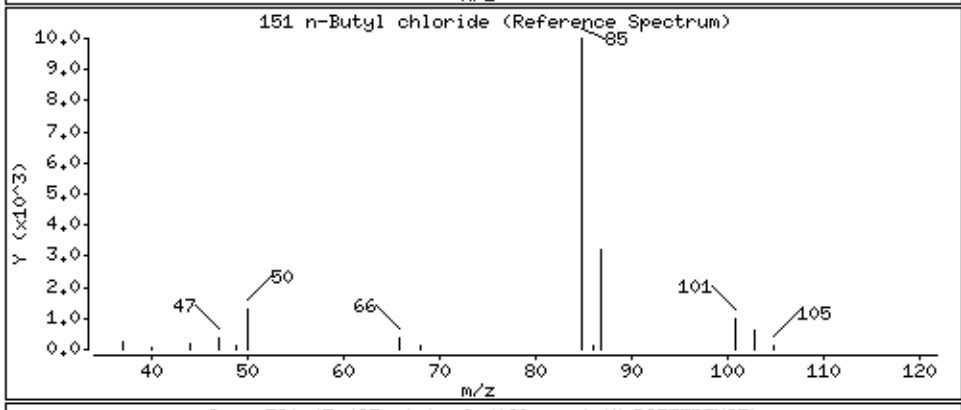
Review Code:

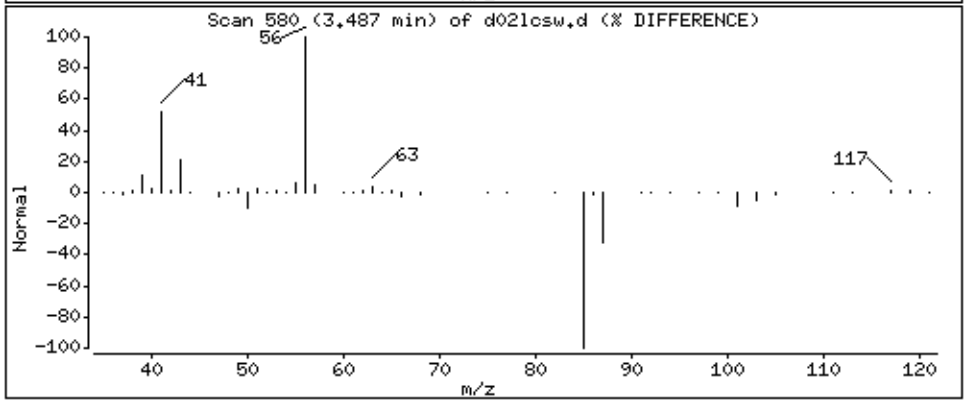












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

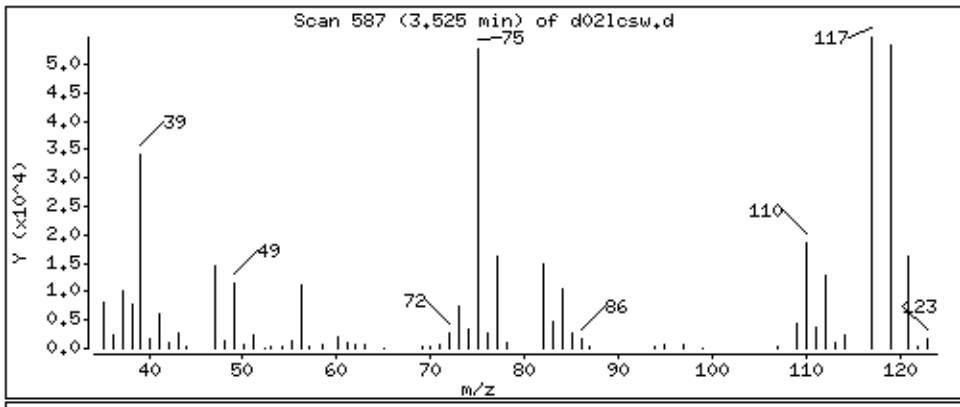
Column phase: DB-624

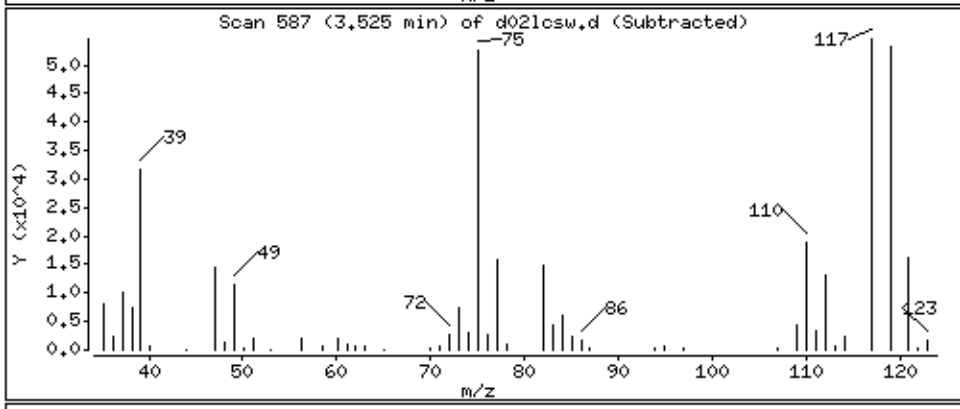
Column diameter: 0.18

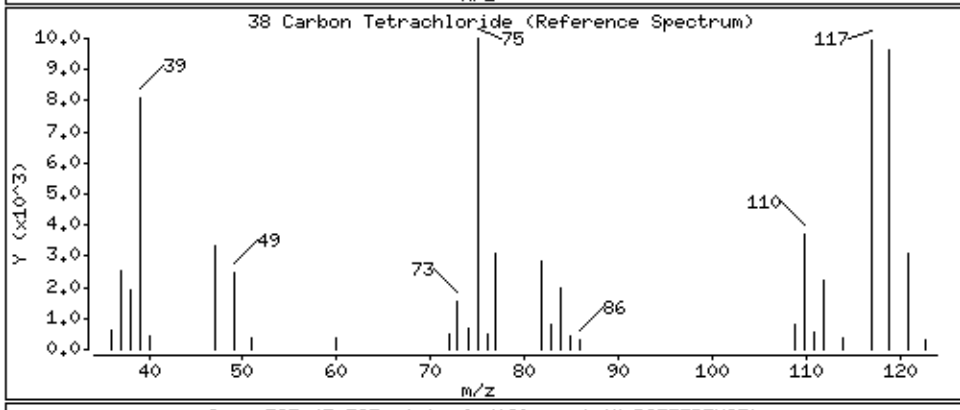
38 Carbon Tetrachloride

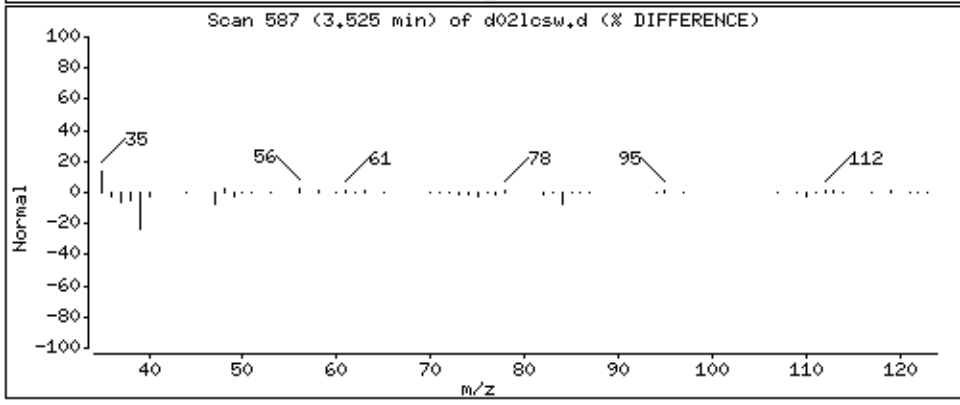
Concentration: 43.9 ppb

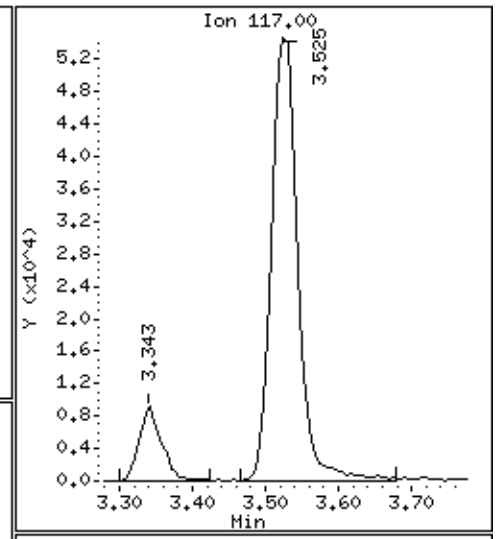
Review Code:

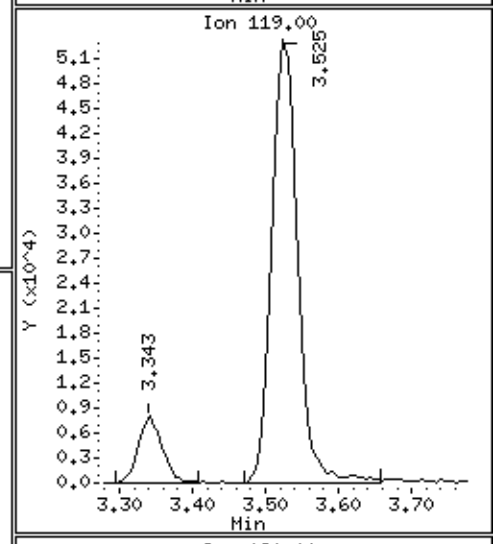


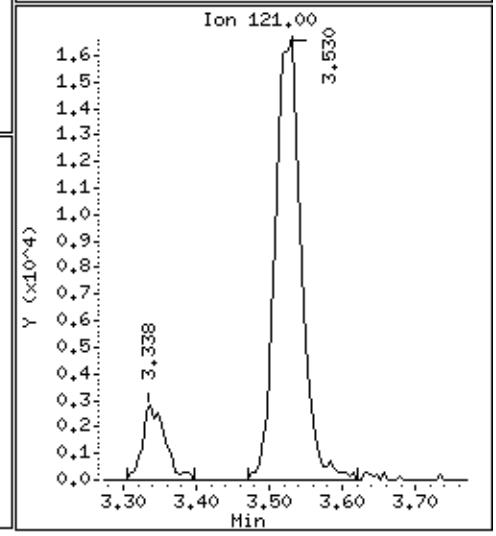












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

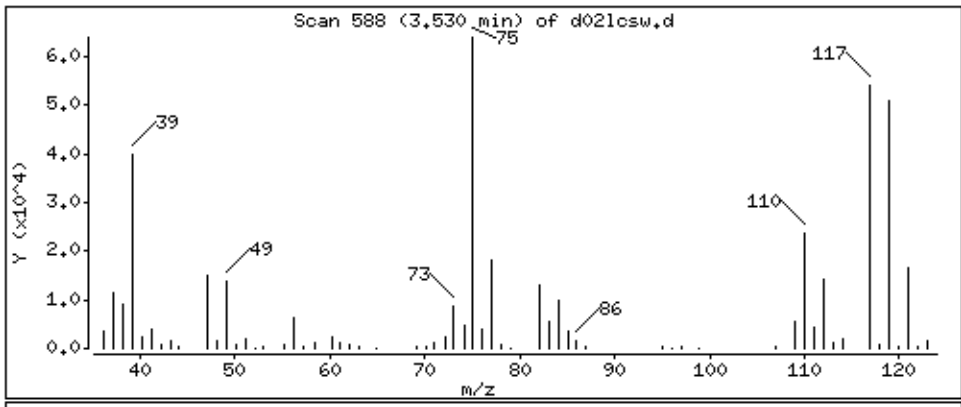
Column phase: DB-624

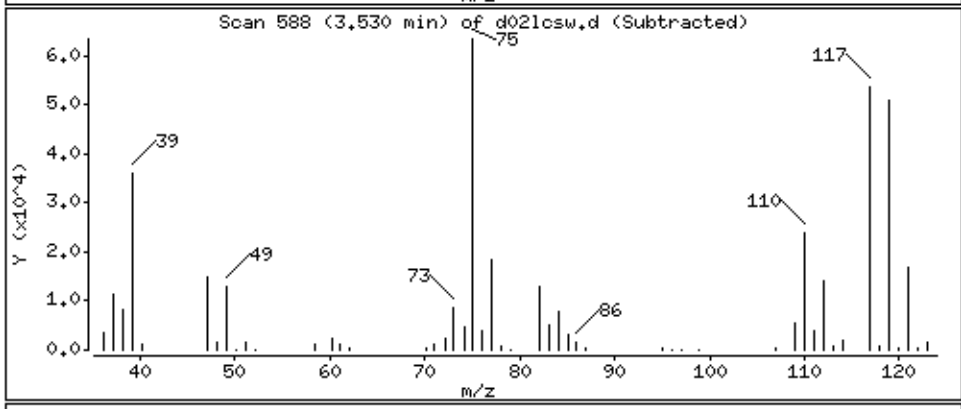
Column diameter: 0.18

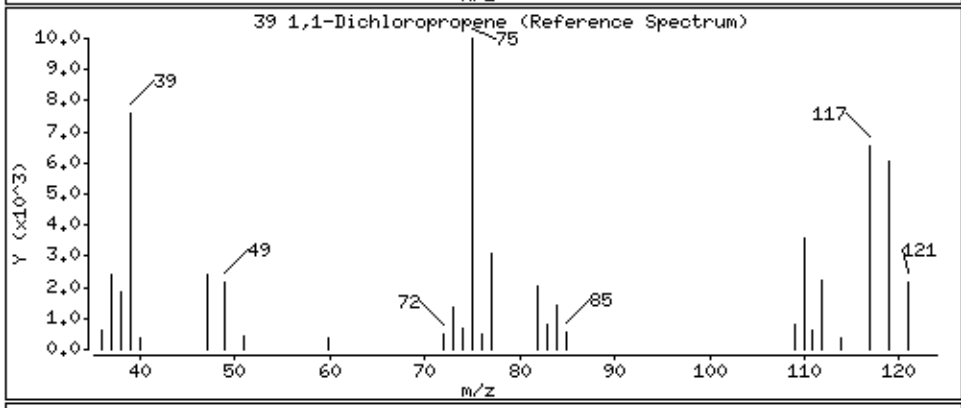
39 1,1-Dichloropropene

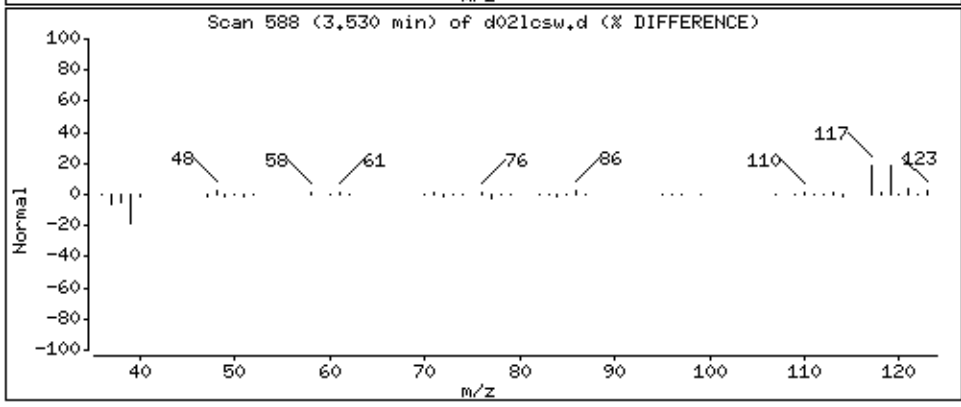
Concentration: 44.7 ppb

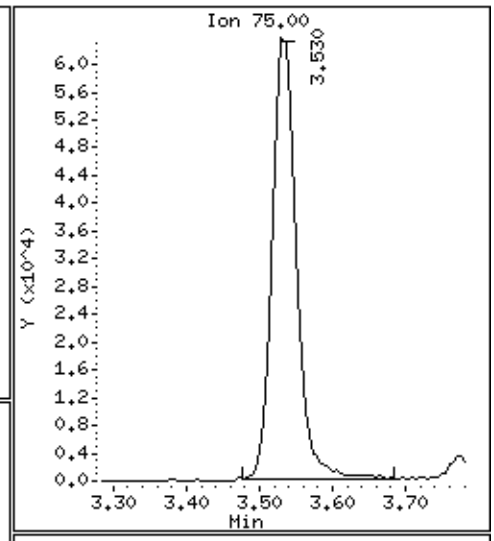
Review Code:

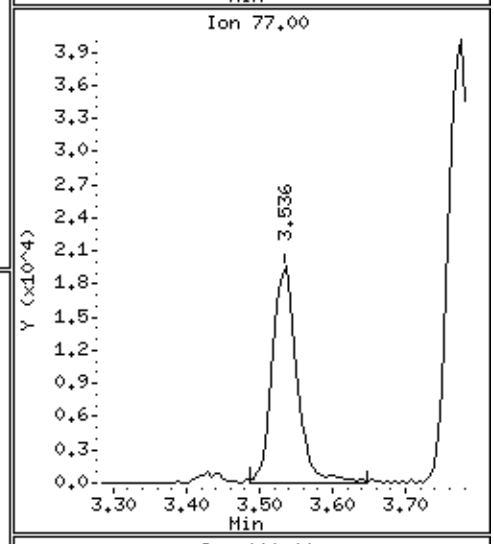


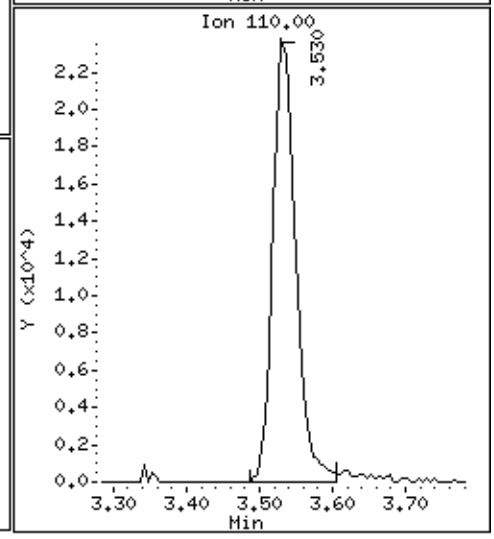












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

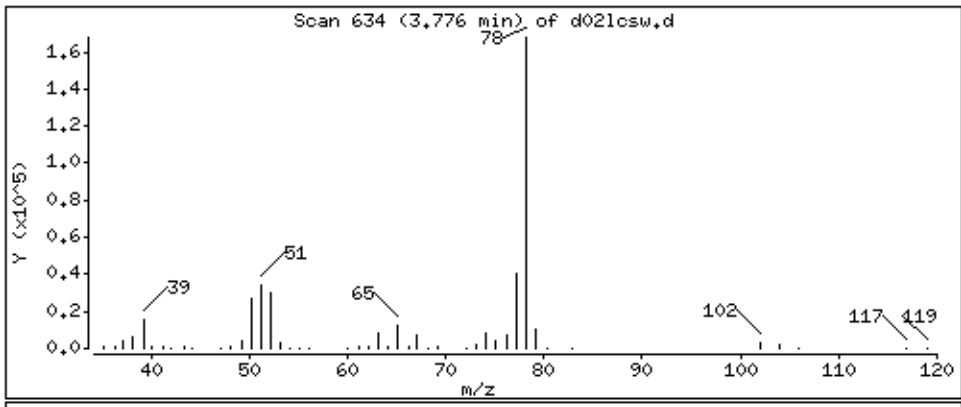
Column phase: DB-624

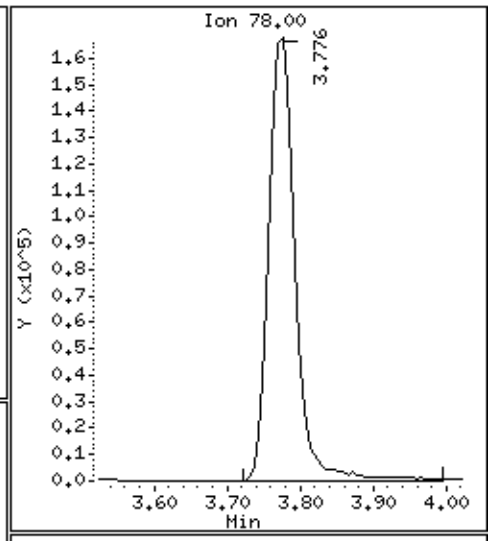
Column diameter: 0.18

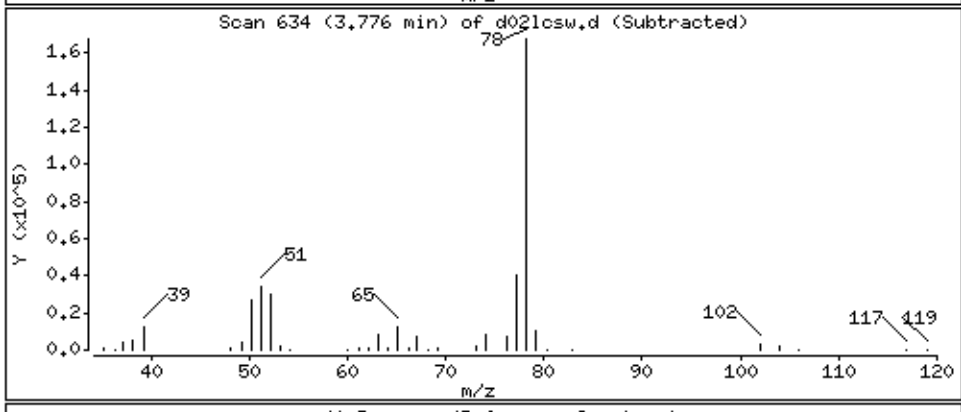
40 Benzene

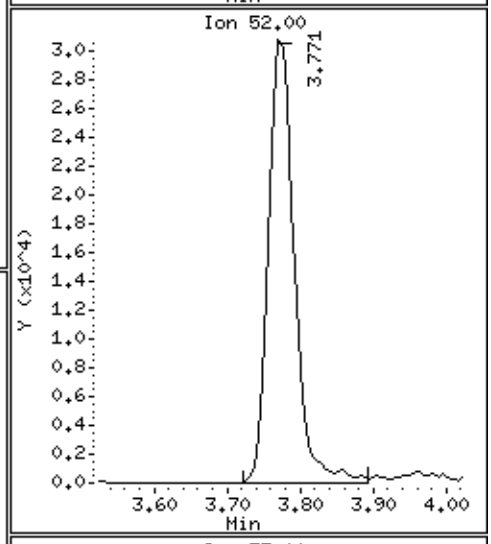
Concentration: 46.9 ppb

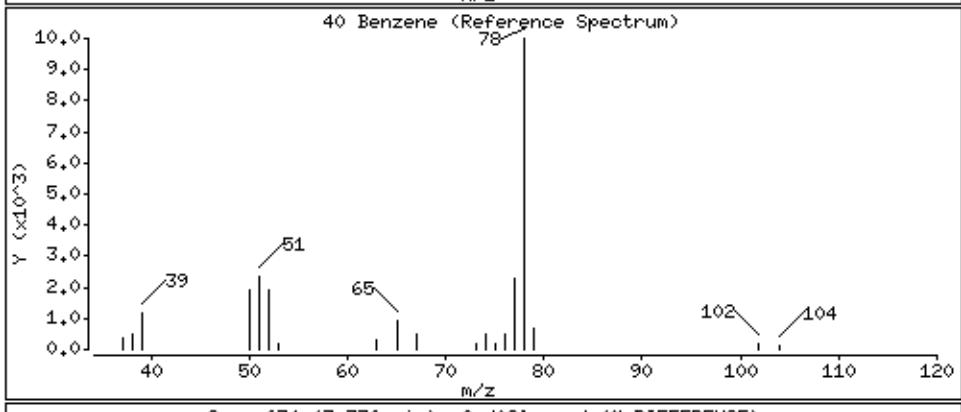
Review Code:

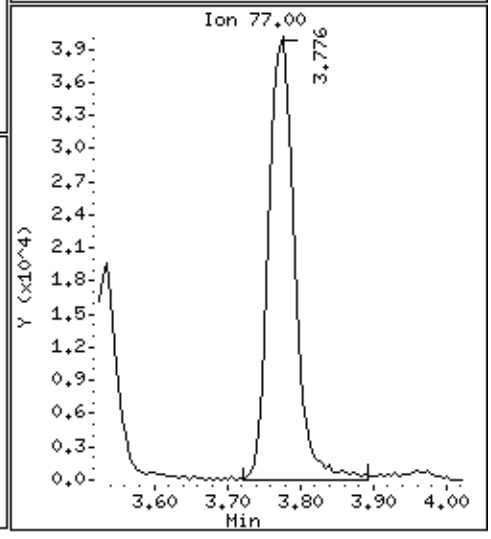


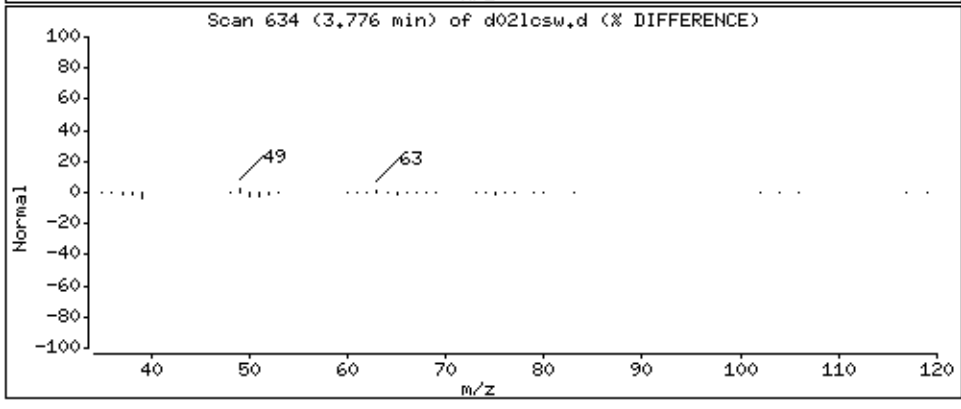












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

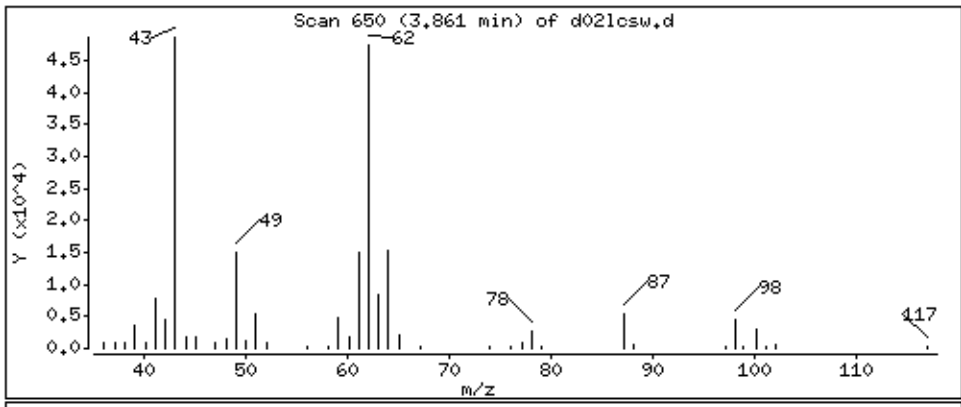
Column phase: DB-624

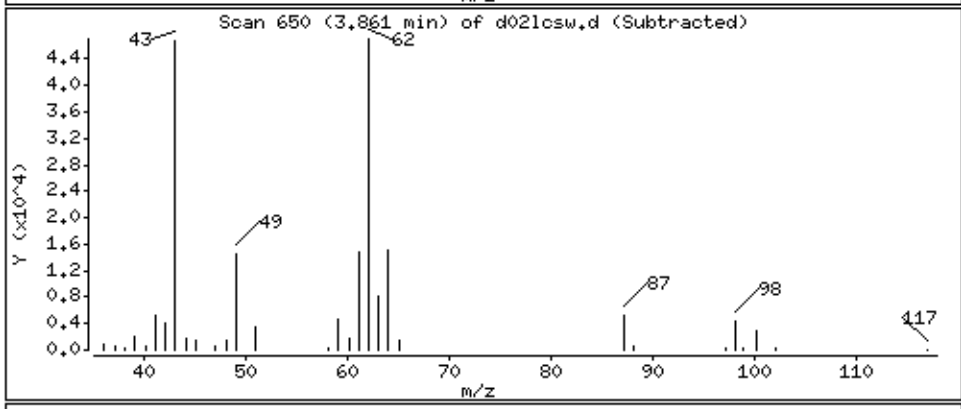
Column diameter: 0.18

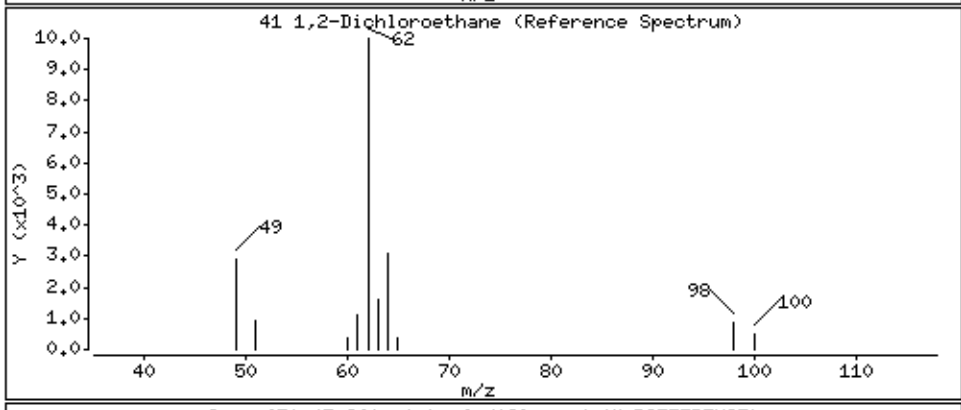
41 1,2-Dichloroethane

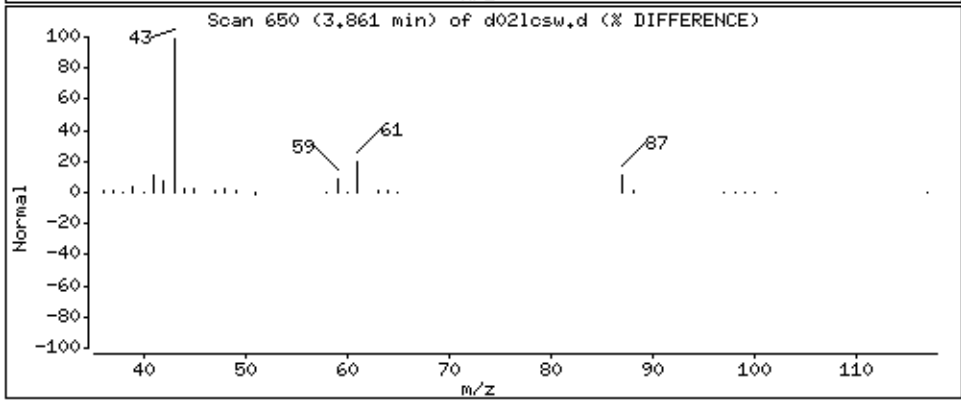
Concentration: 41.1 ppb

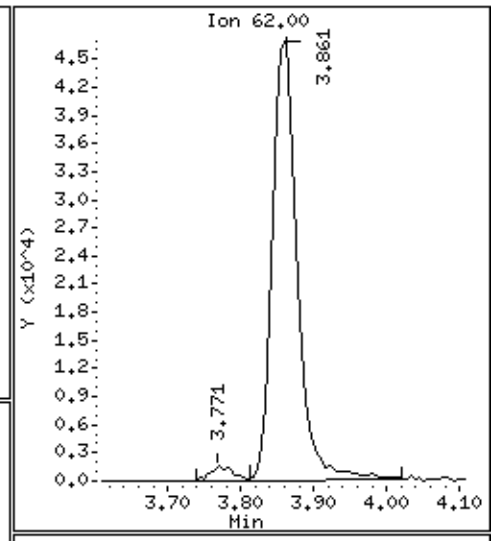
Review Code:

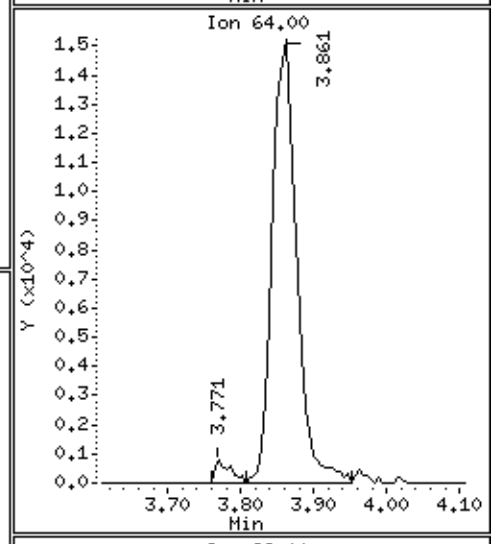


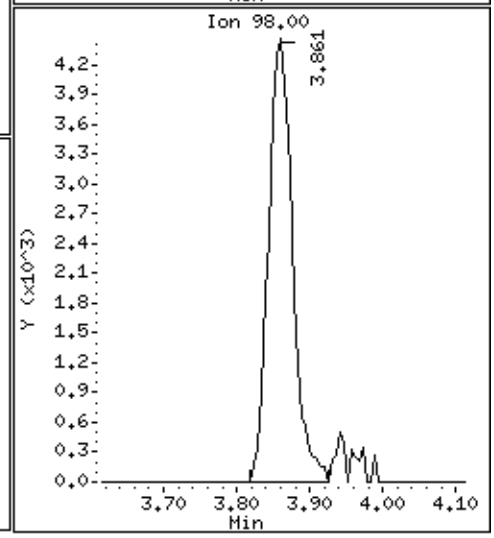












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

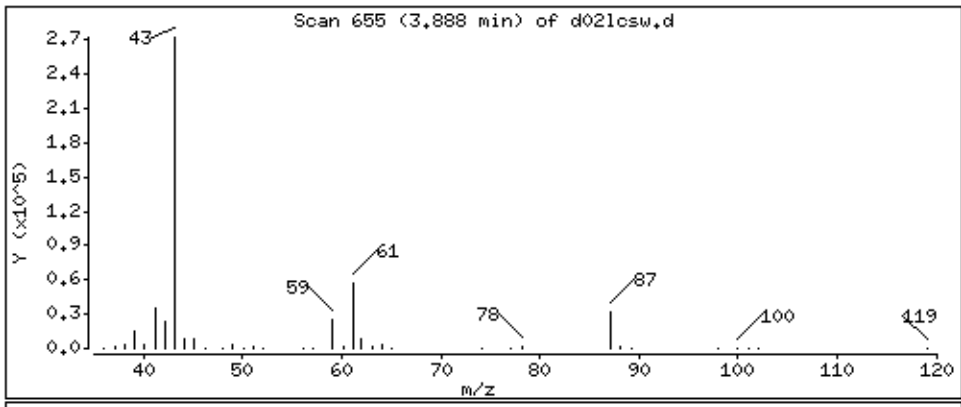
Column phase: DB-624

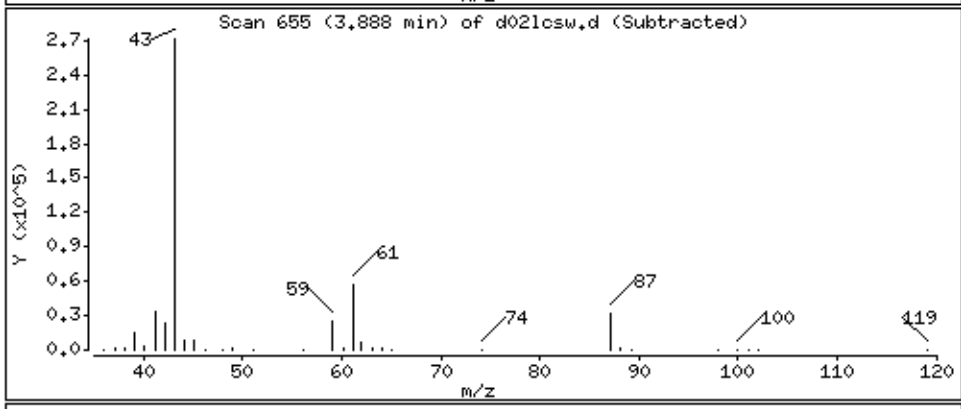
Column diameter: 0.18

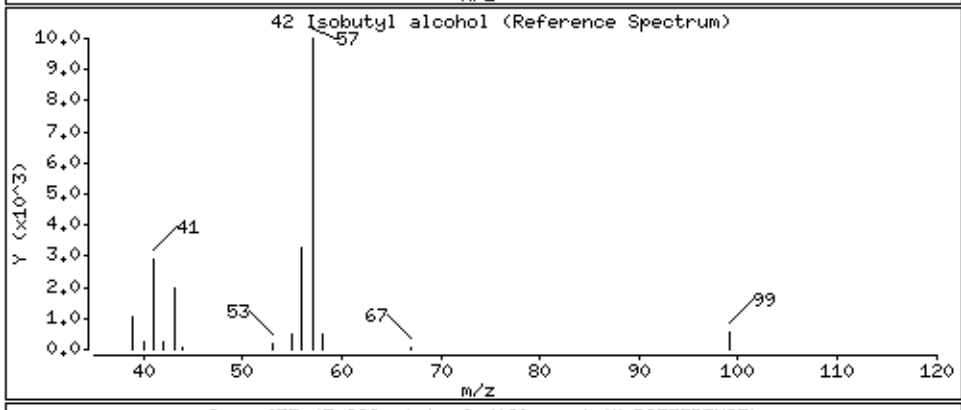
42 Isobutyl alcohol

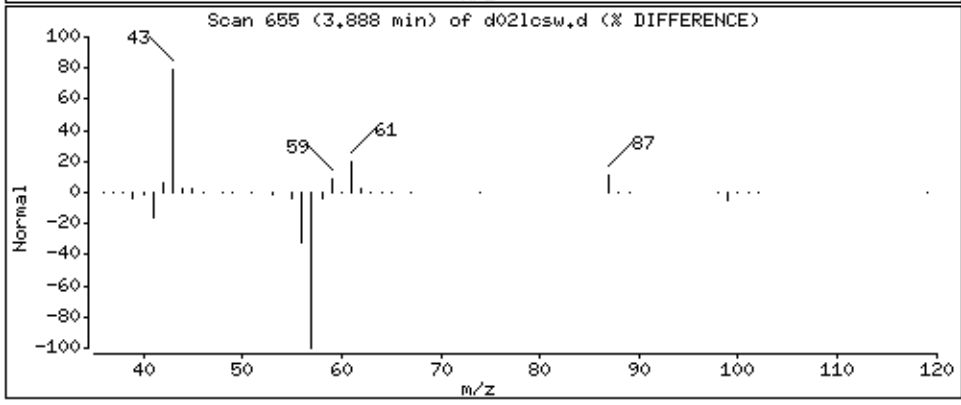
Concentration: 57.1 ppb

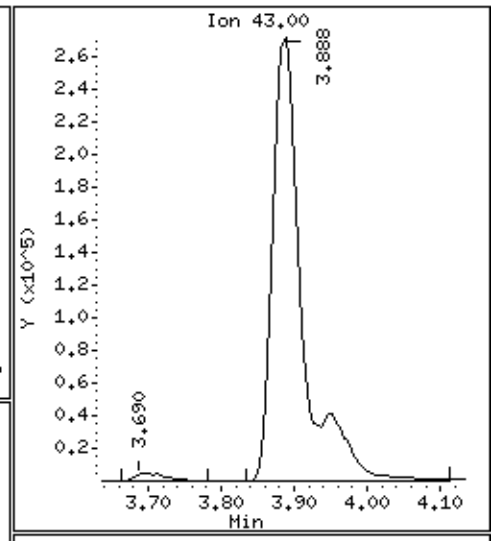
Review Code:

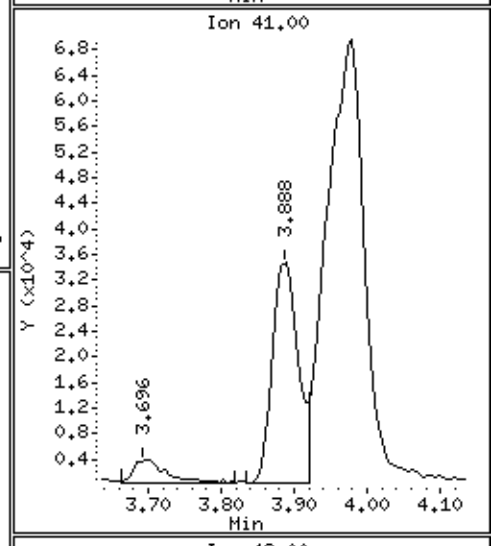


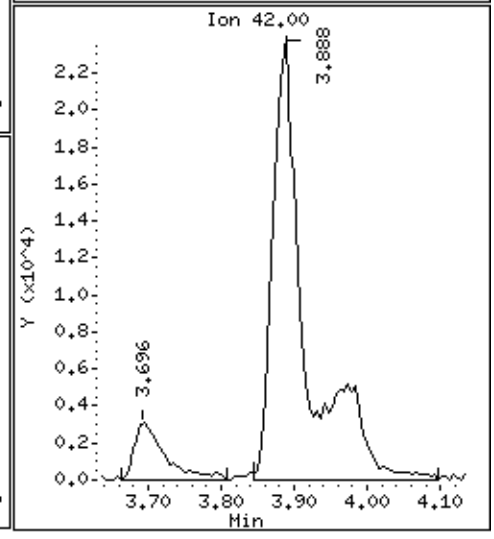












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

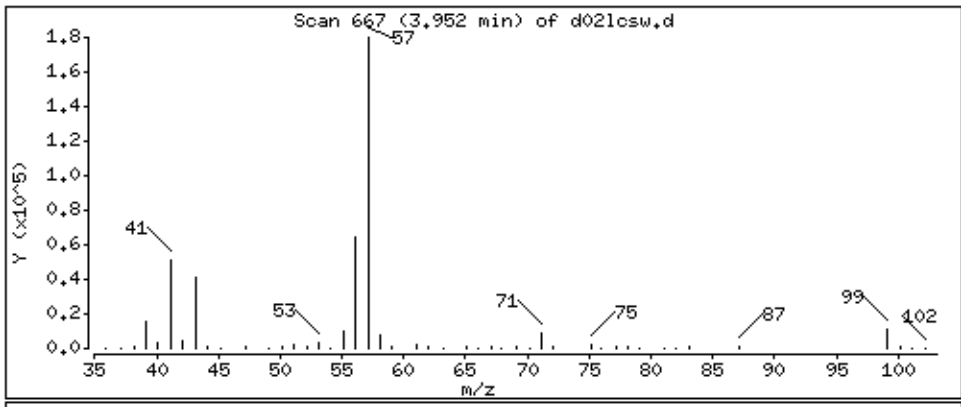
Column phase: DB-624

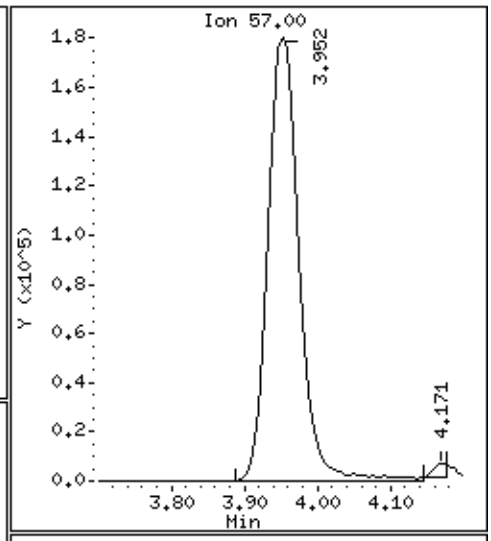
Column diameter: 0.18

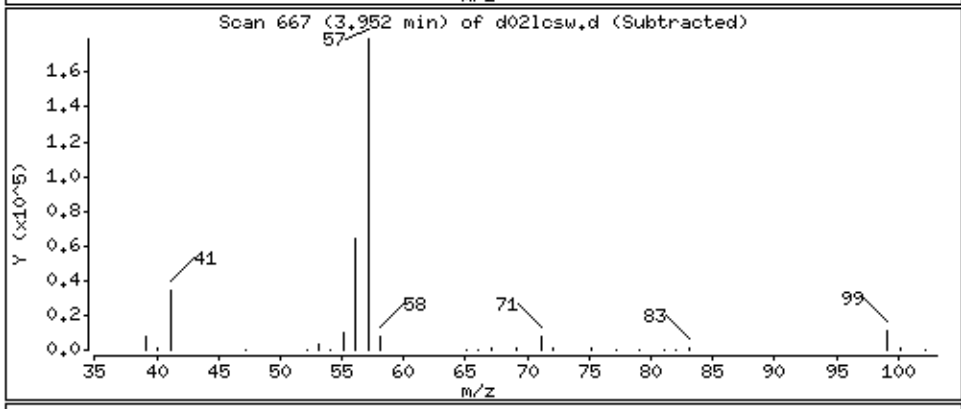
43 2,2,4-Trimethylpentane

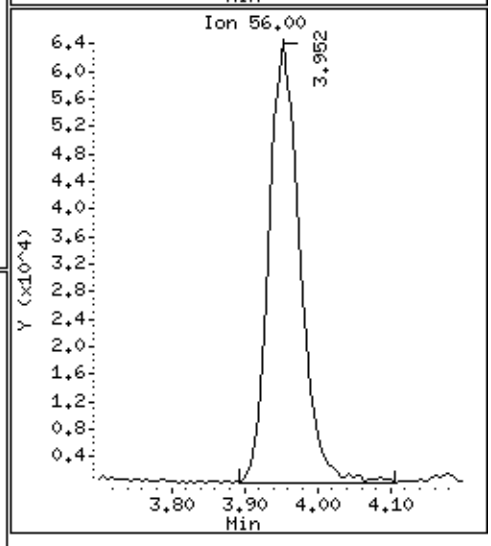
Concentration: 49.7 ppb

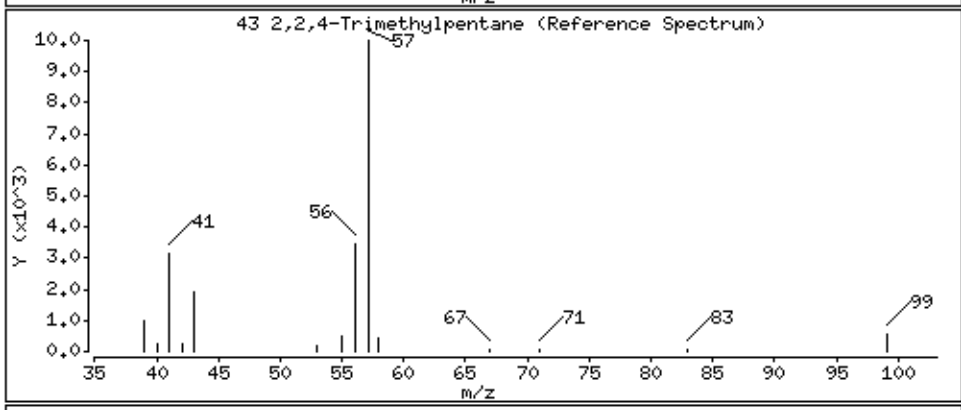
Review Code:

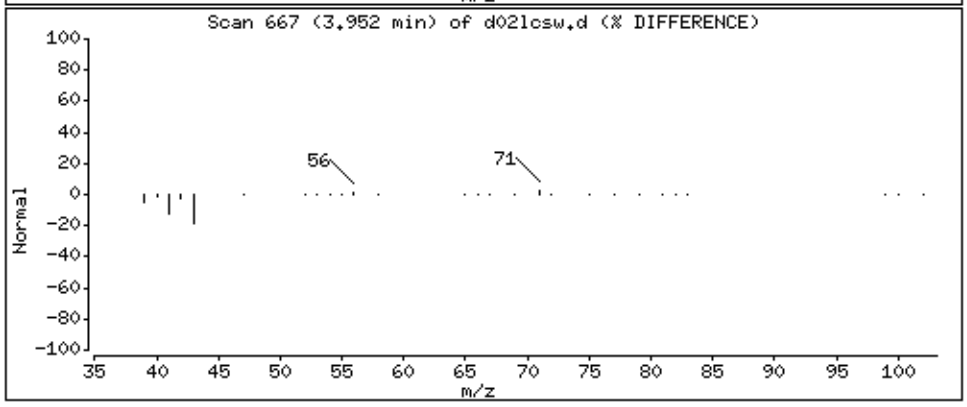












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

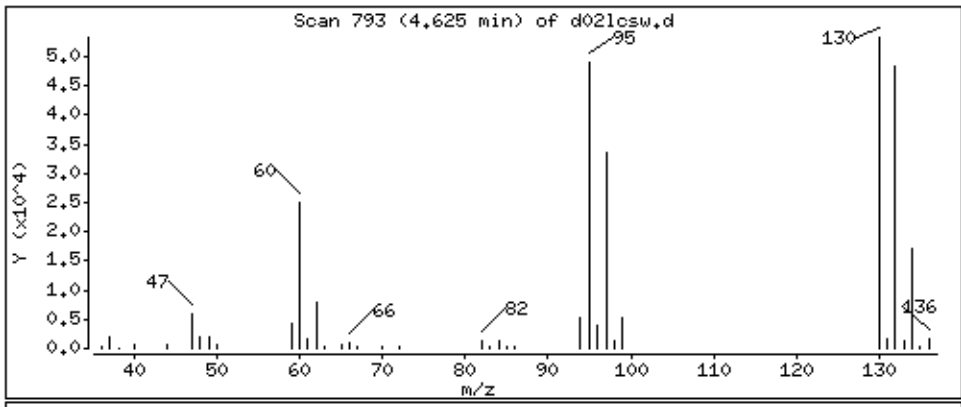
Column phase: DB-624

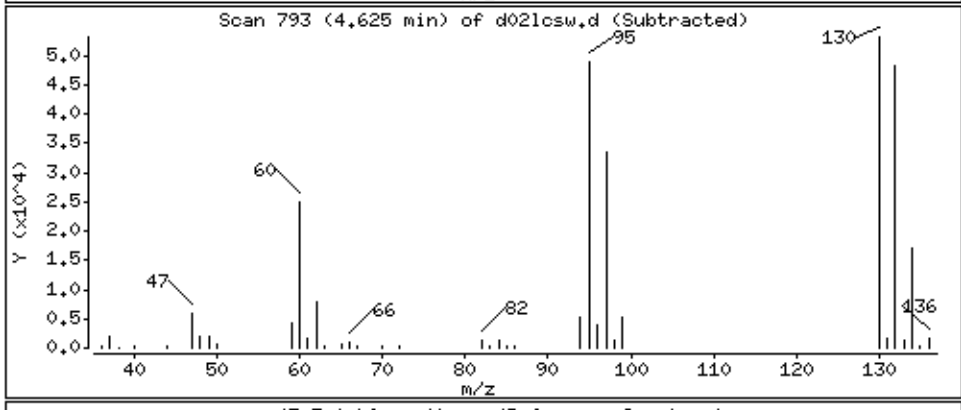
Column diameter: 0.18

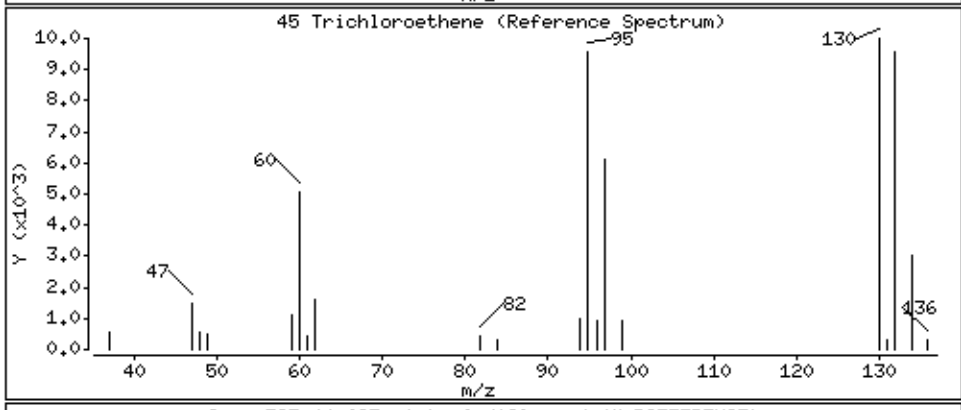
45 Trichloroethene

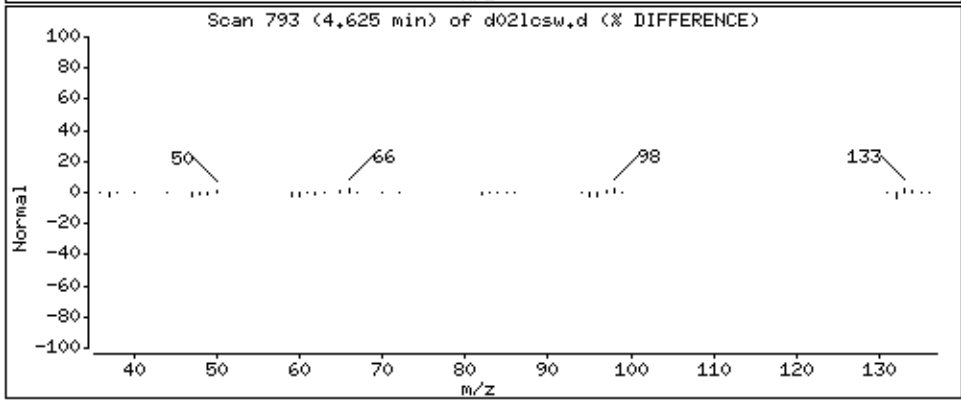
Concentration: 48.0 ppb

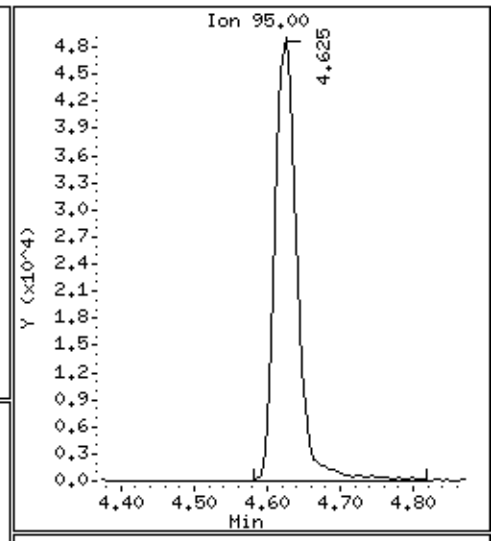
Review Code:

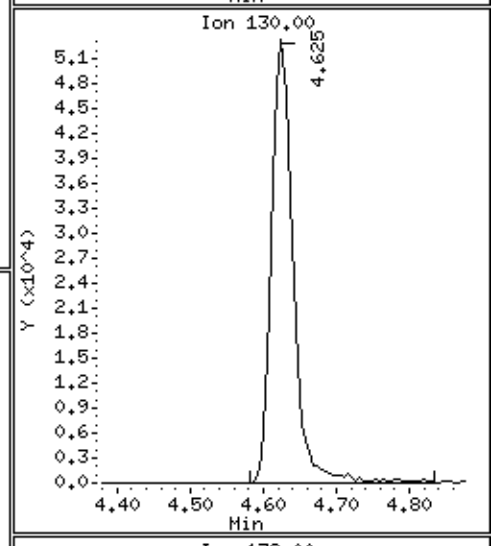


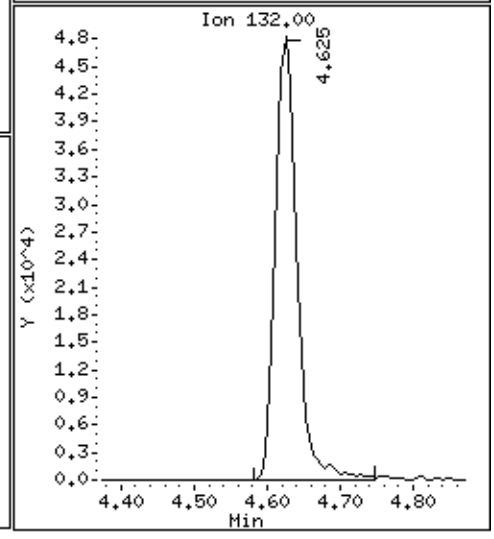












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

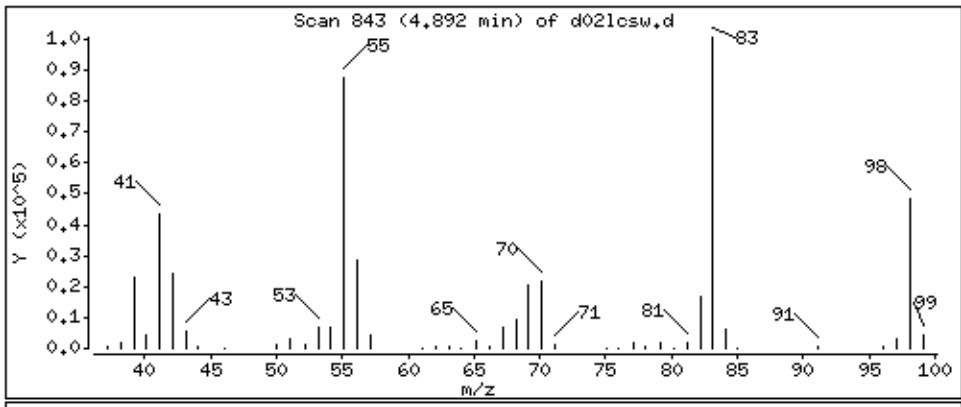
Column phase: DB-624

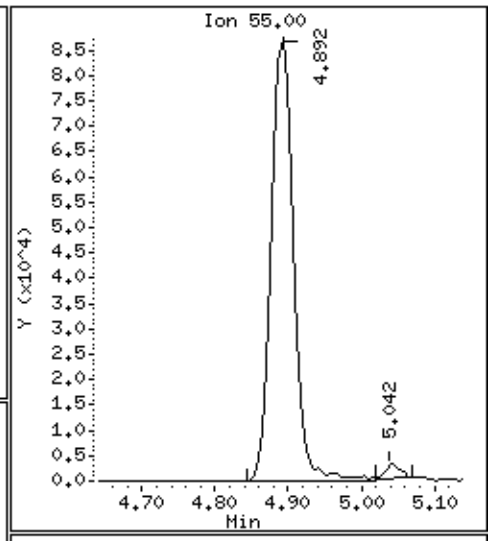
Column diameter: 0.18

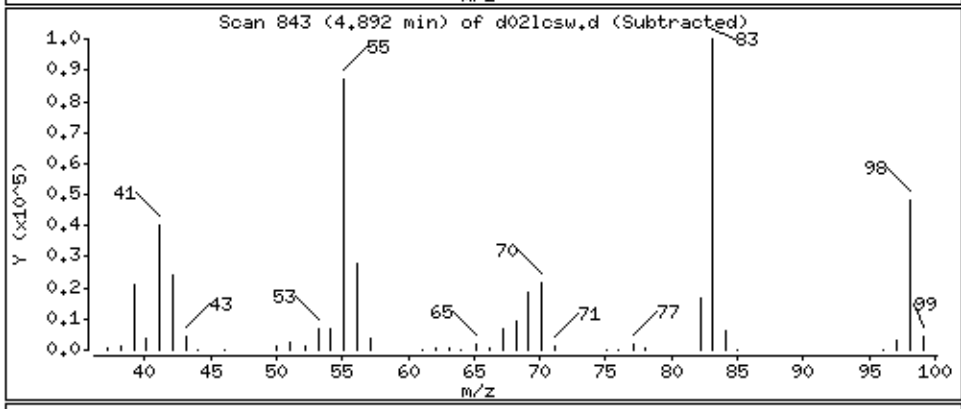
46 Methylcyclohexane

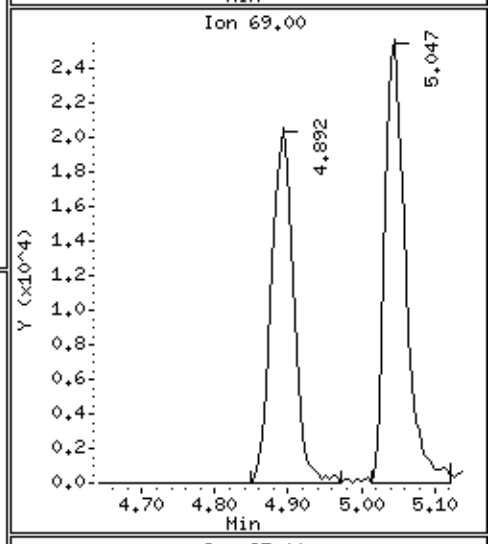
Concentration: 52.7 ppb

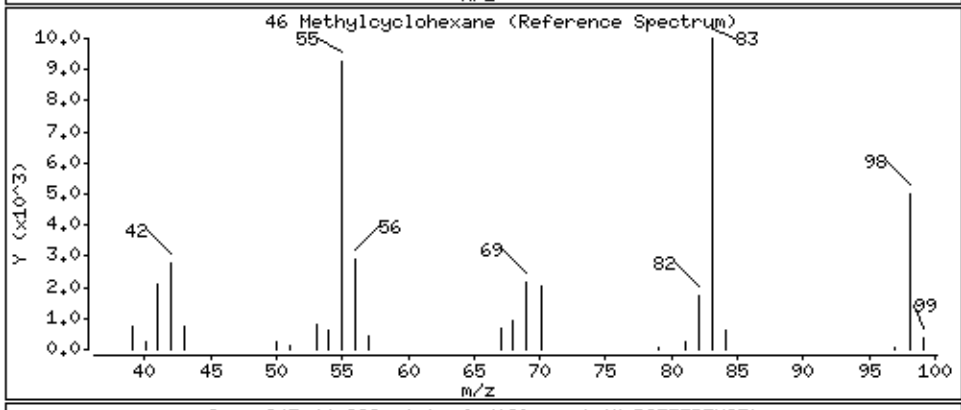
Review Code:

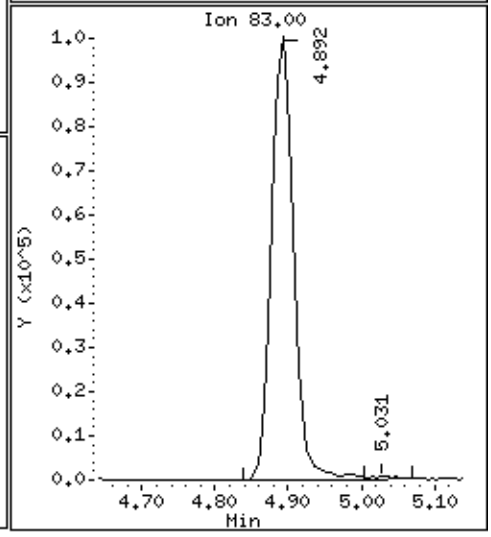


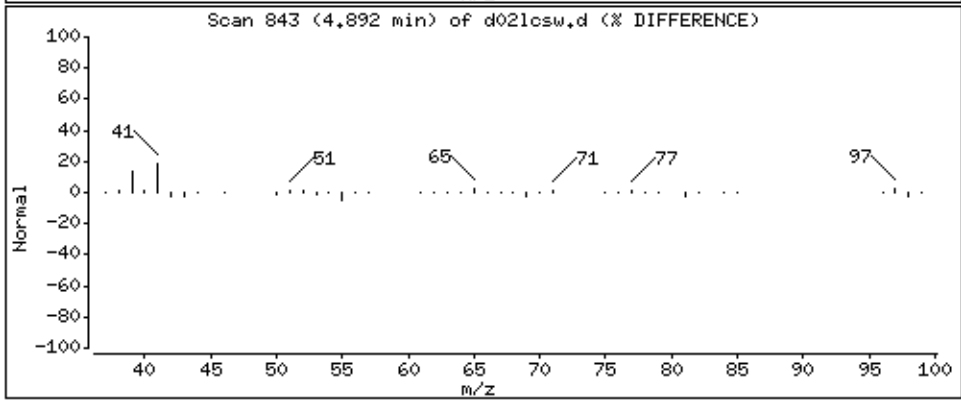












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

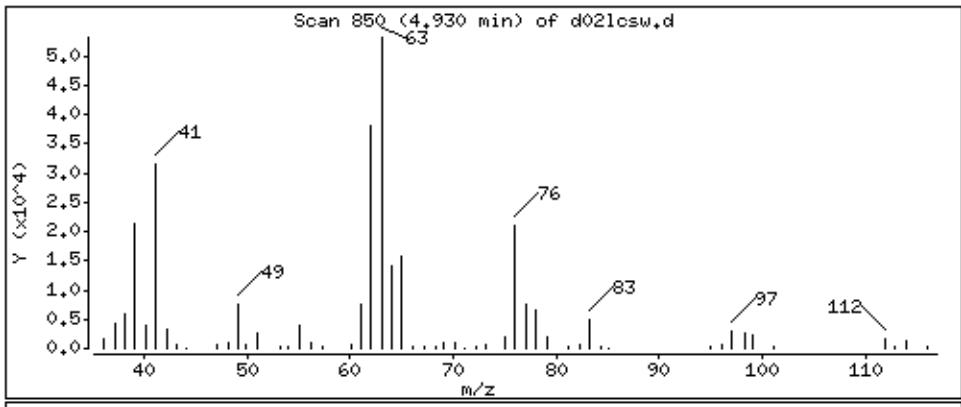
Column phase: DB-624

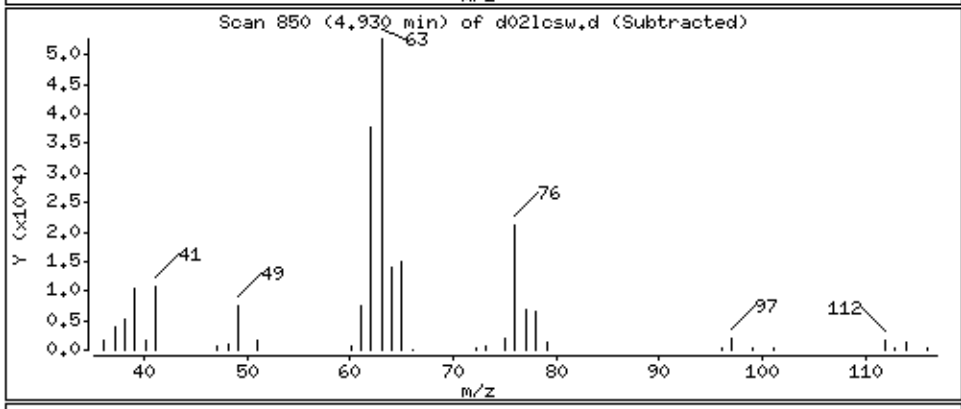
Column diameter: 0.18

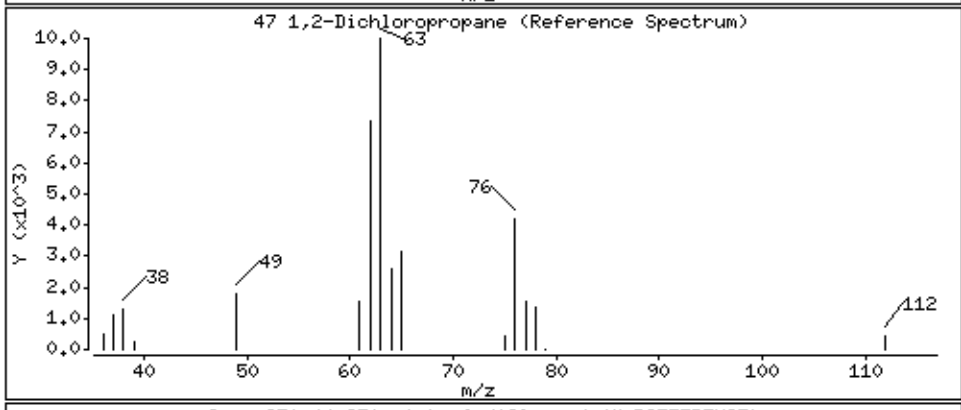
47 1,2-Dichloropropane

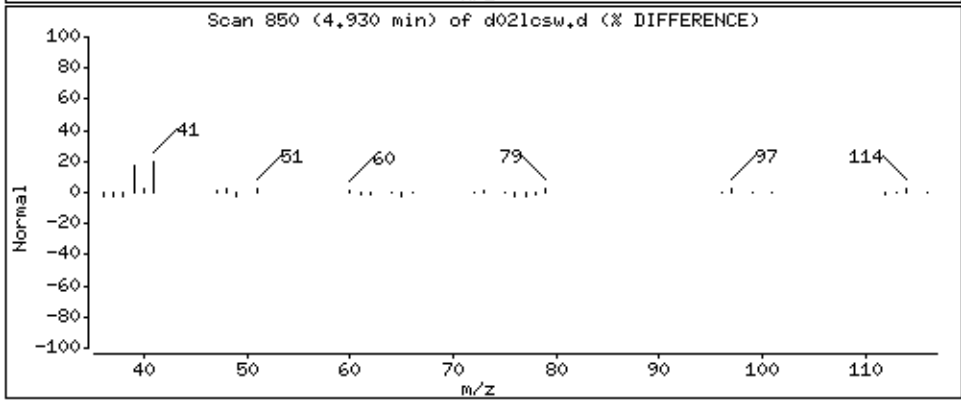
Concentration: 51.4 ppb

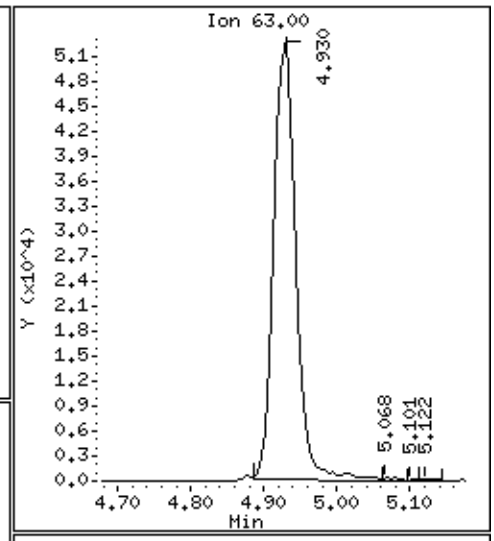
Review Code:

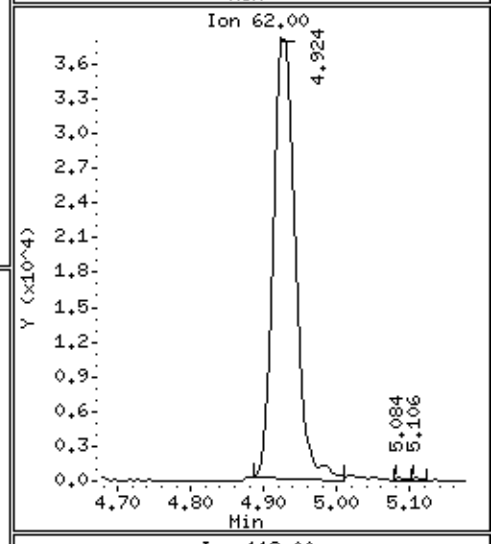


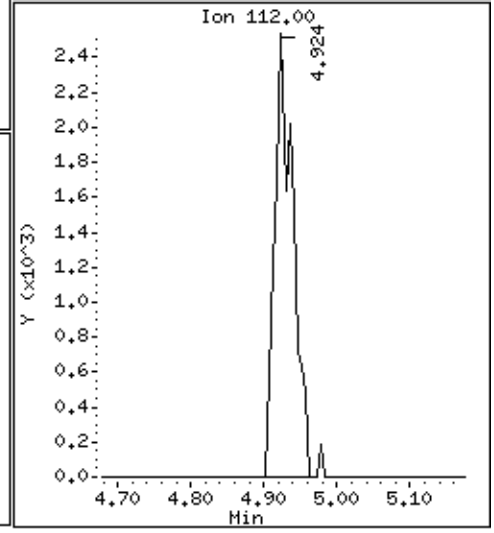












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

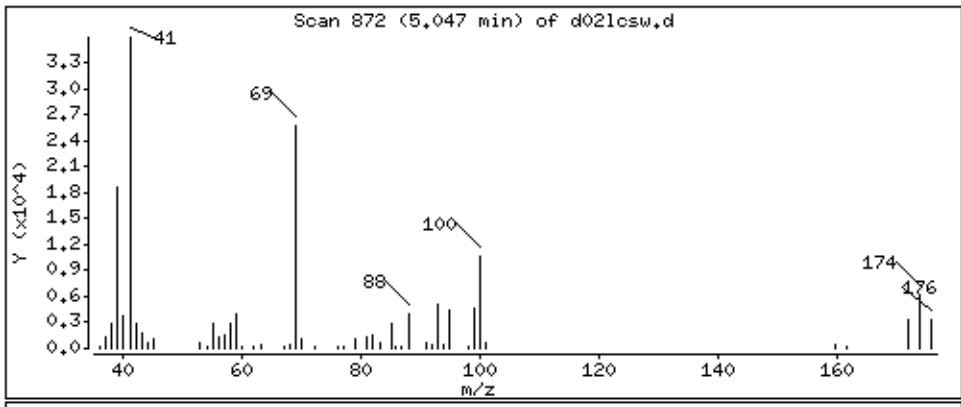
Column phase: DB-624

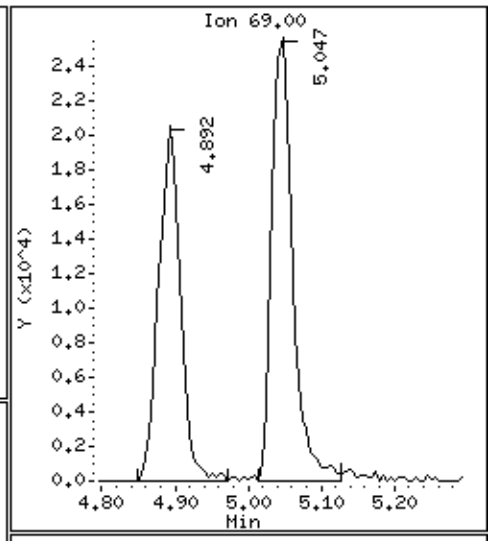
Column diameter: 0.18

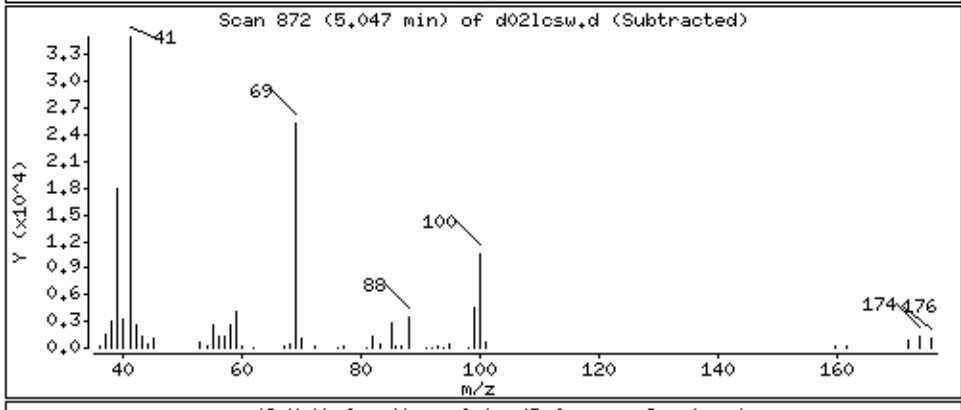
48 Methyl methacrylate

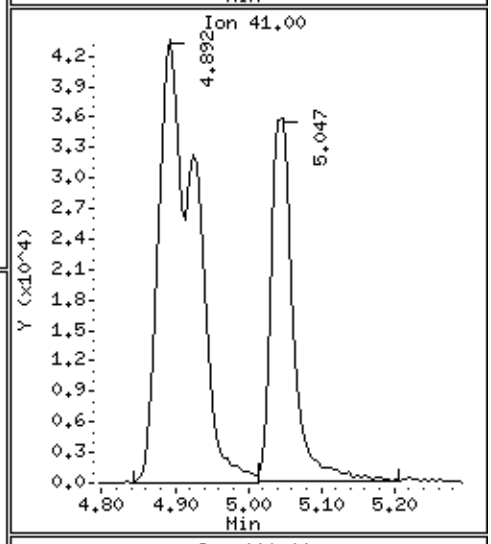
Concentration: 57.8 ppb

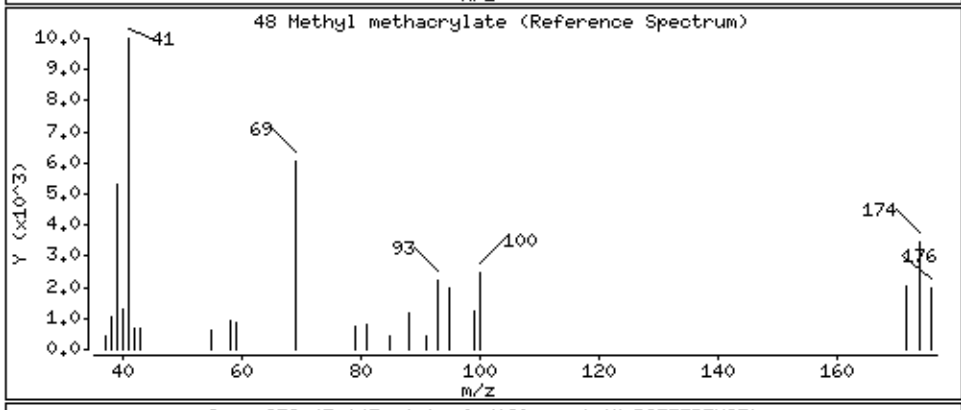
Review Code:

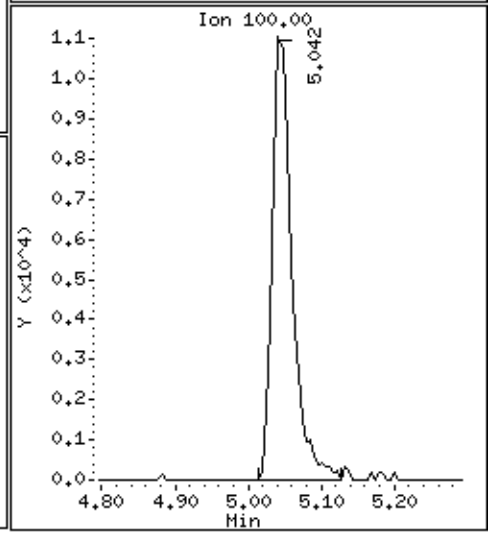


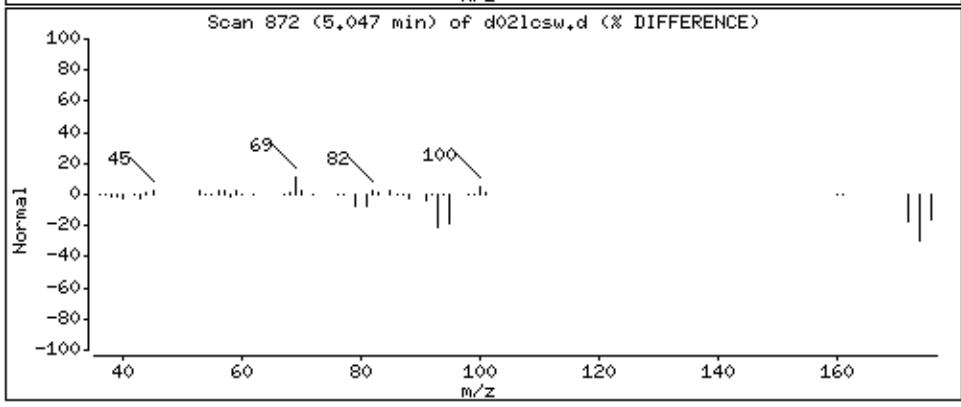












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

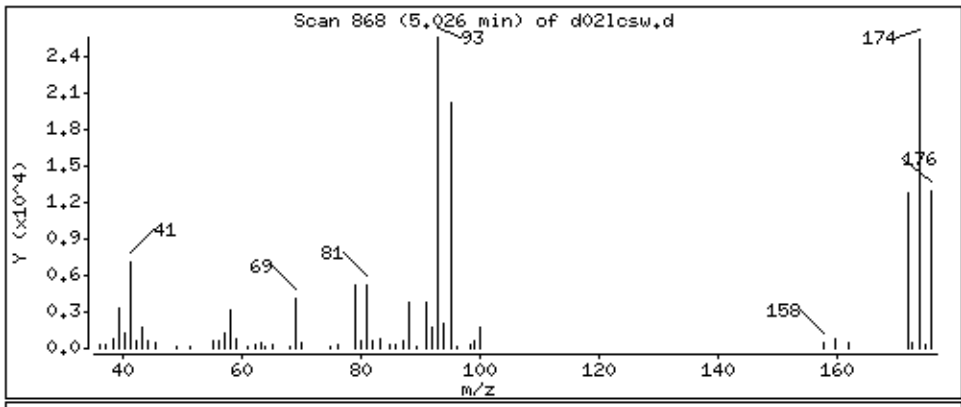
Column phase: DB-624

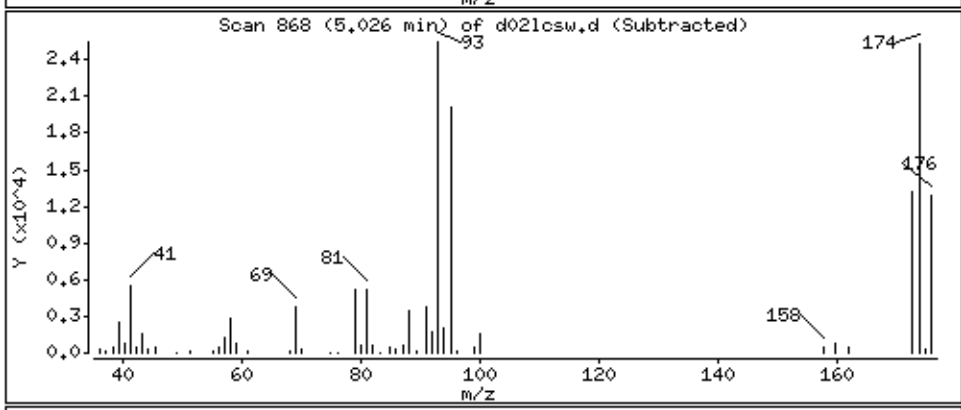
Column diameter: 0.18

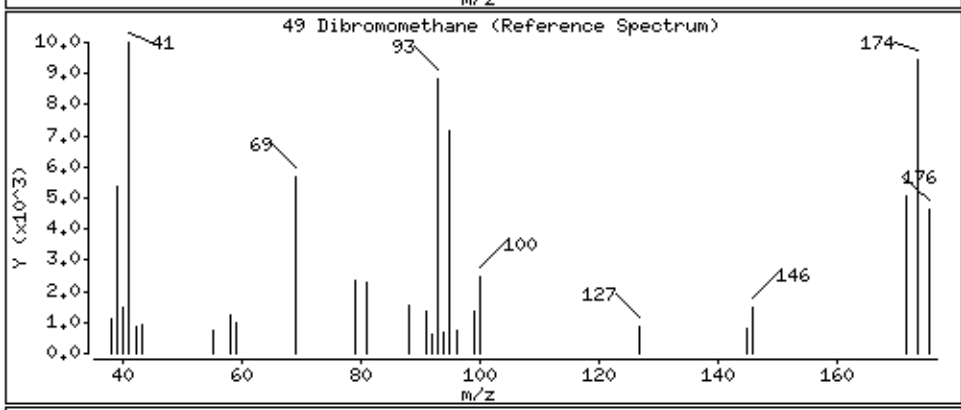
49 Dibromomethane

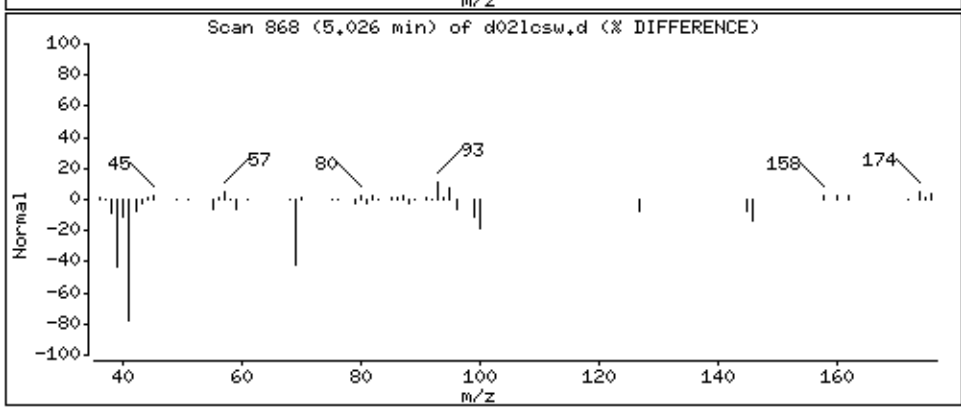
Concentration: 47.7 ppb

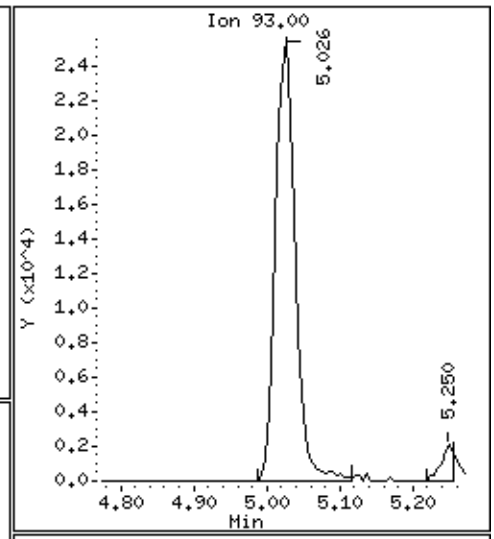
Review Code:

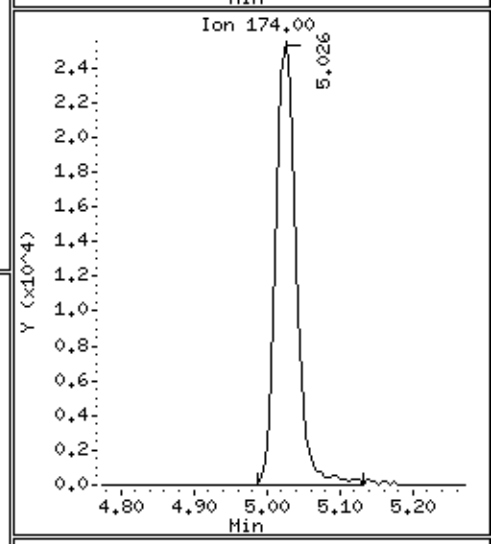


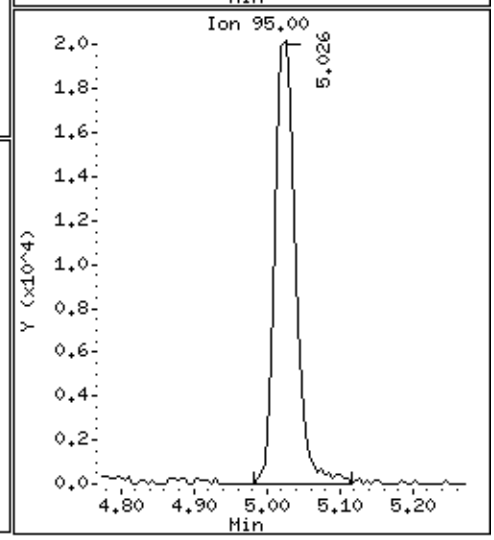












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

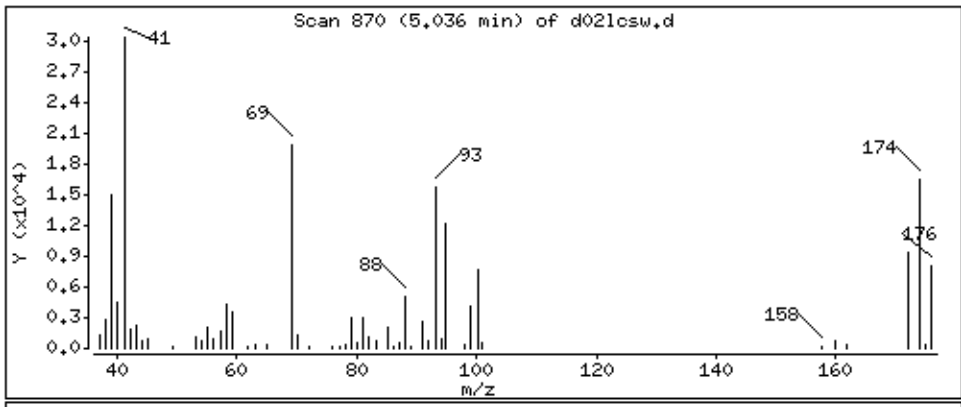
Column phase: DB-624

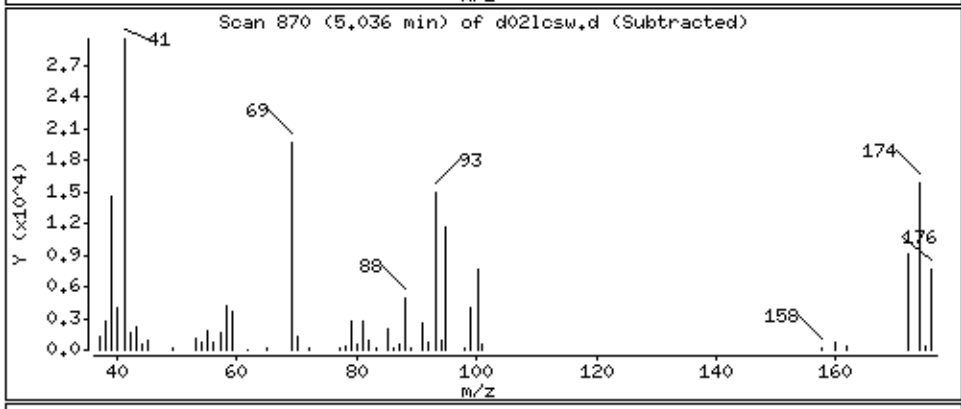
Column diameter: 0.18

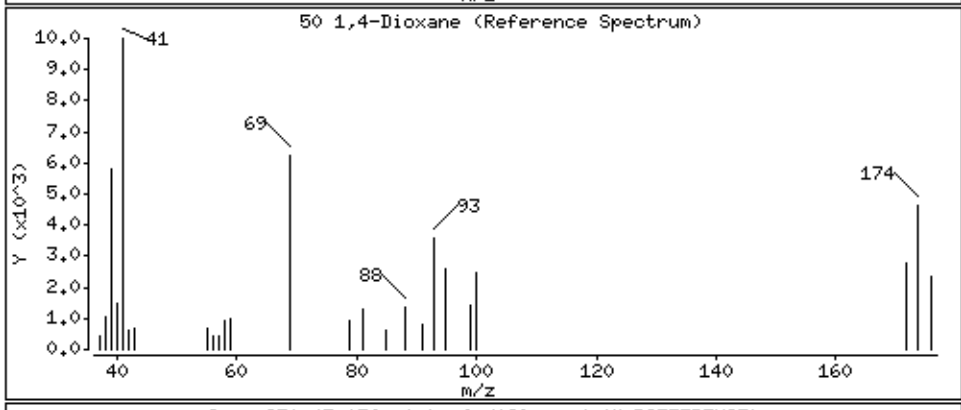
50 1,4-Dioxane

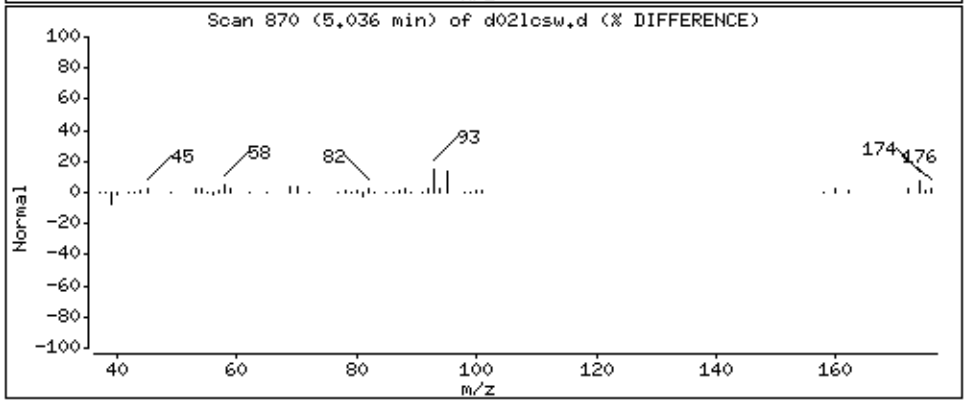
Concentration: 1120 ppb

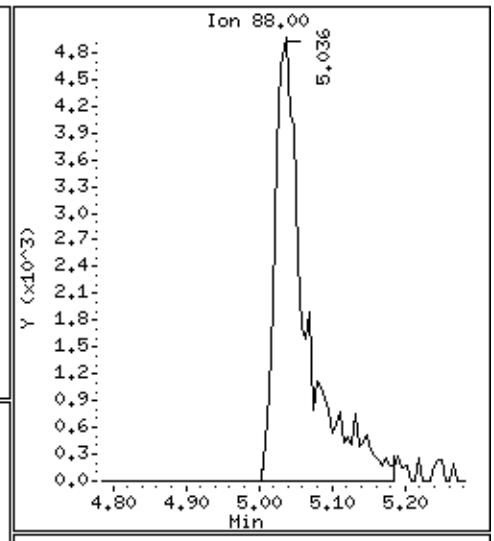
Review Code:

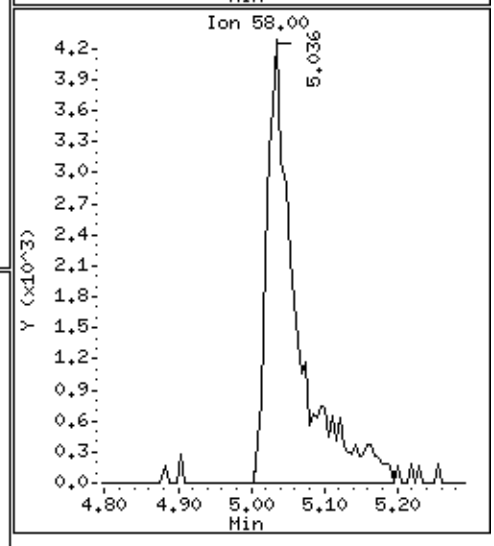












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

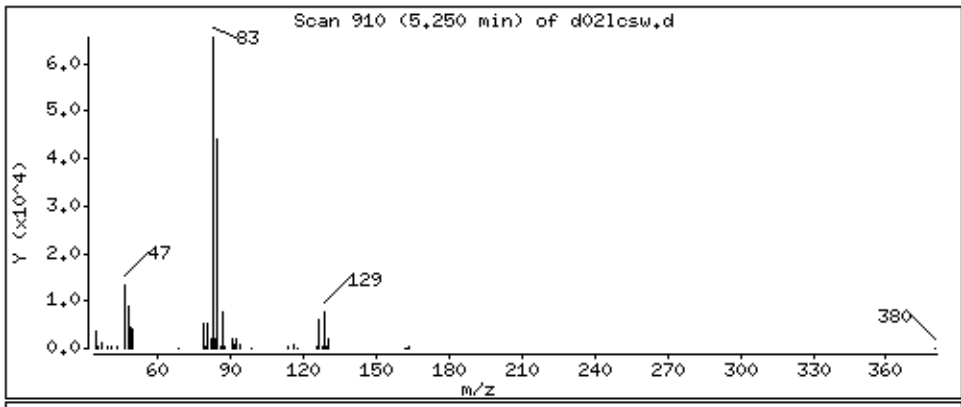
Column phase: DB-624

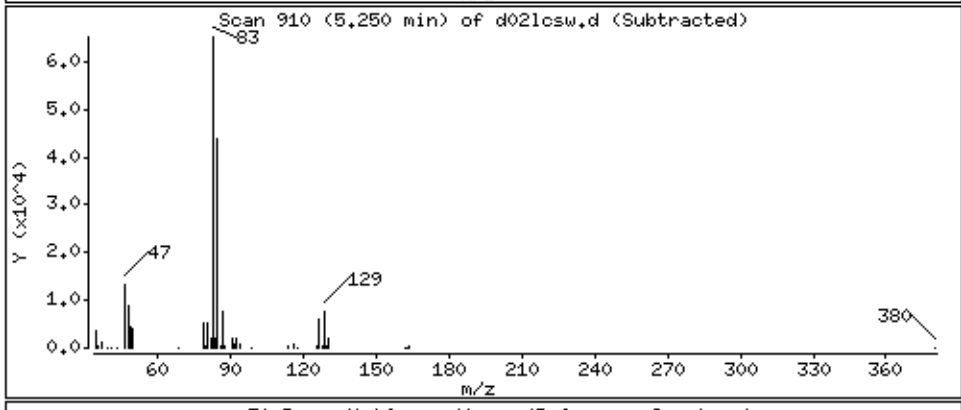
Column diameter: 0.18

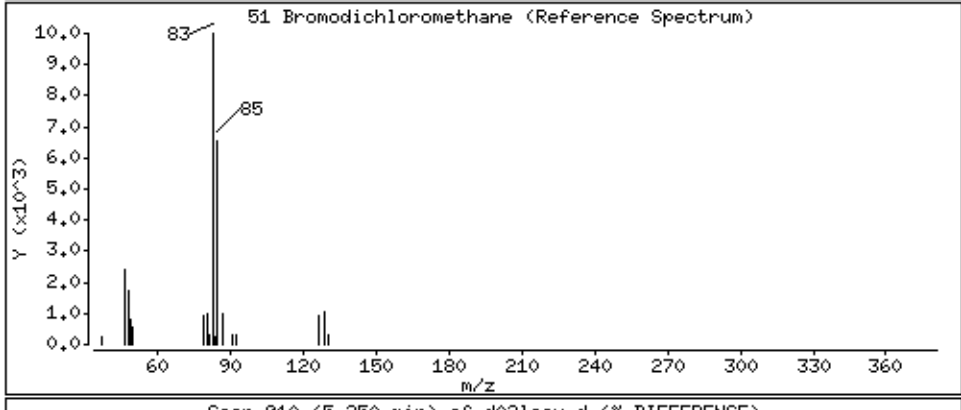
51 Bromodichloromethane

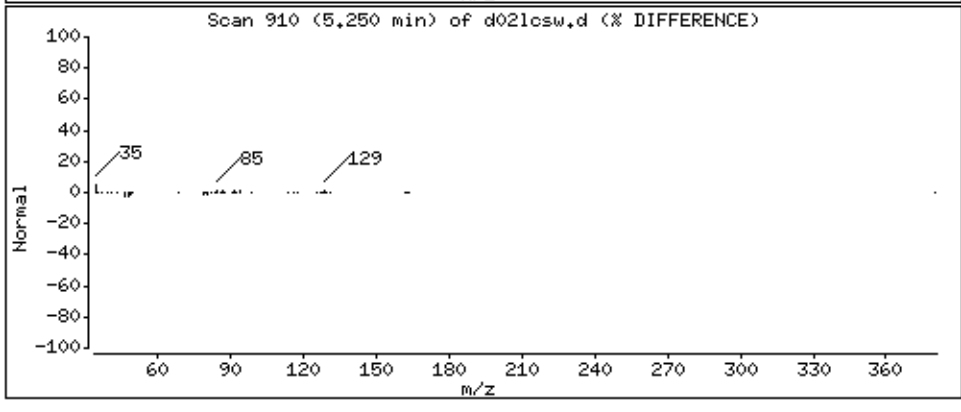
Concentration: 50.9 ppb

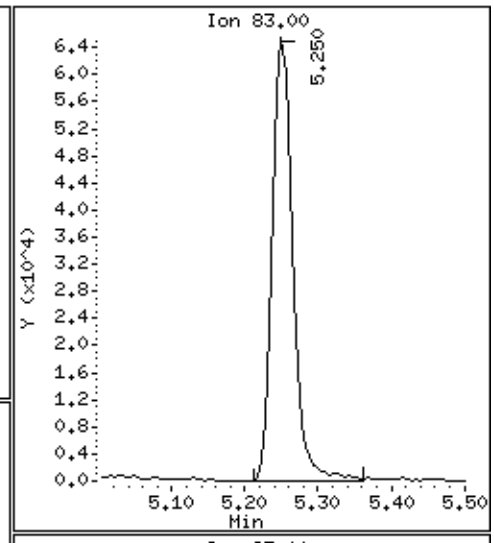
Review Code:

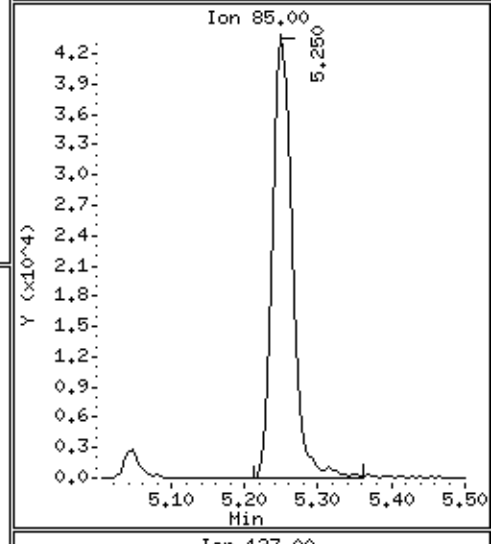


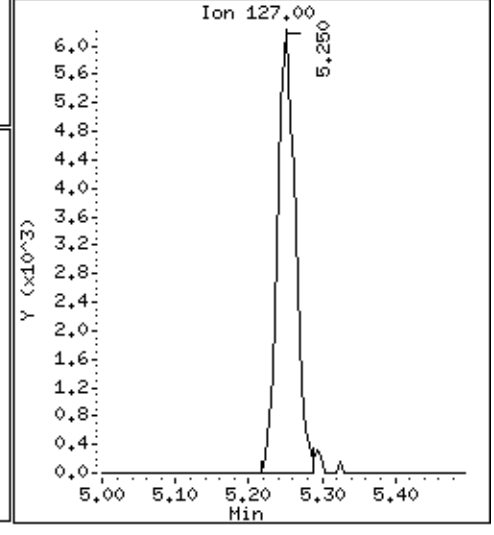












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

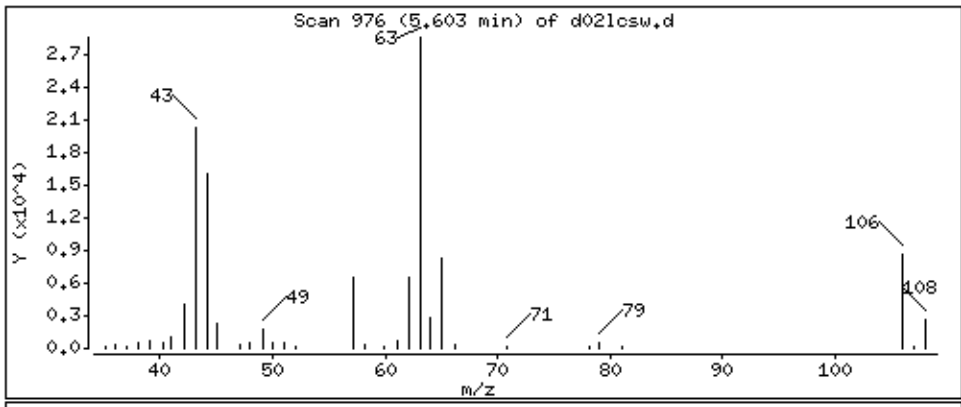
Column phase: DB-624

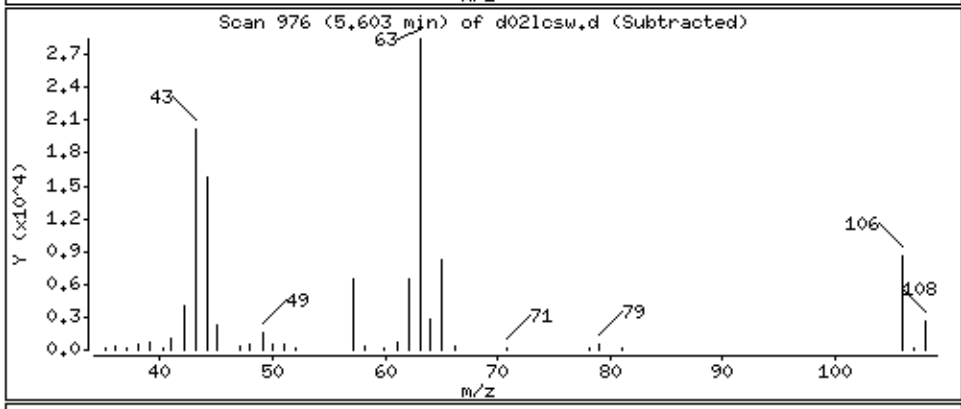
Column diameter: 0.18

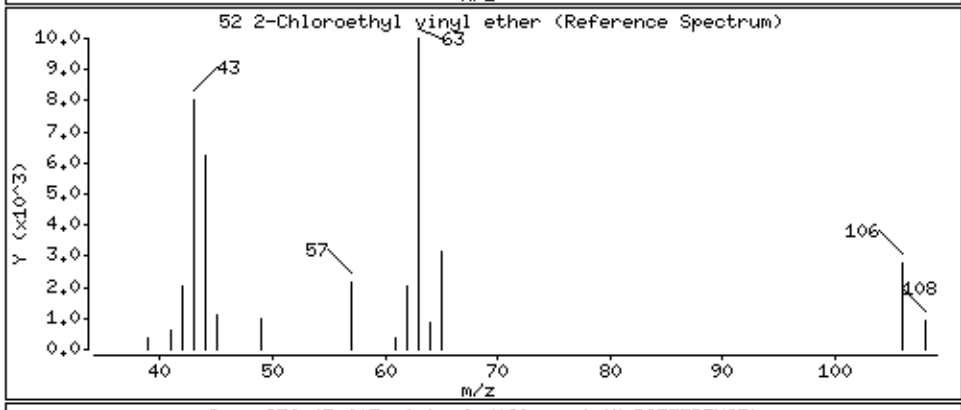
52 2-Chloroethyl vinyl ether

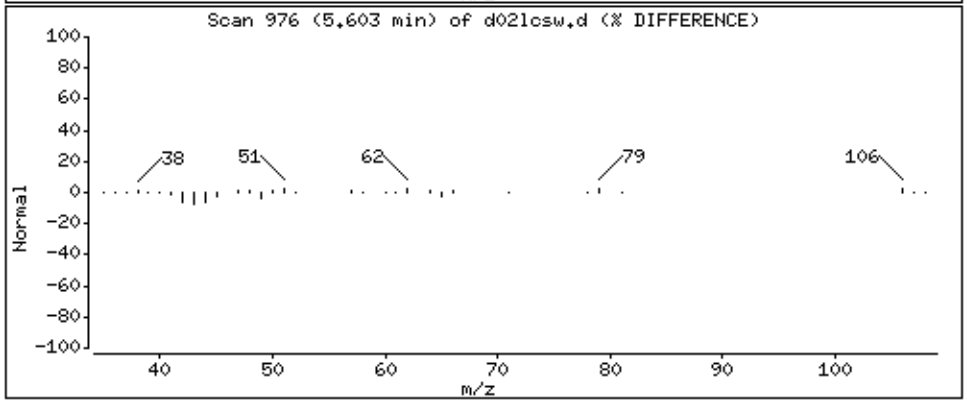
Concentration: 50.0 ppb

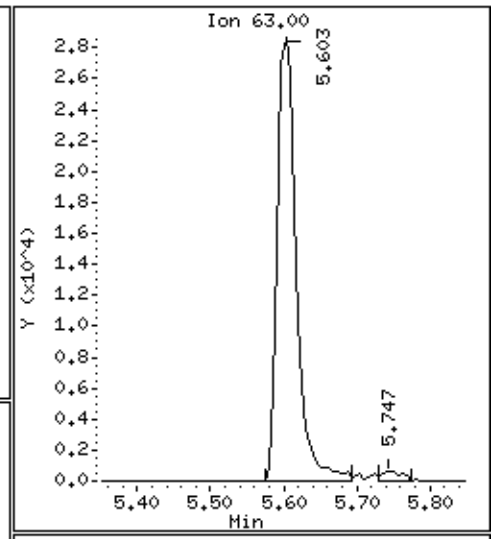
Review Code:

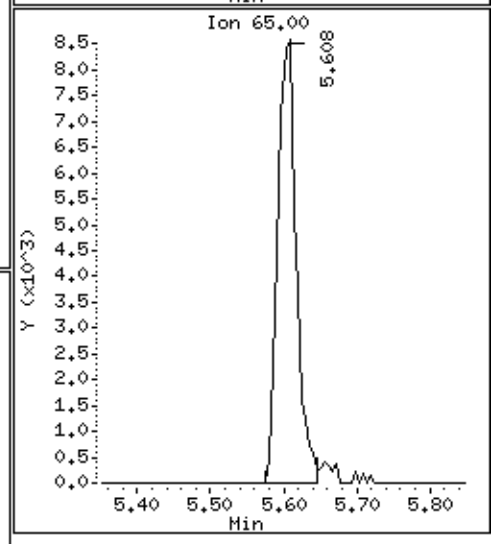












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

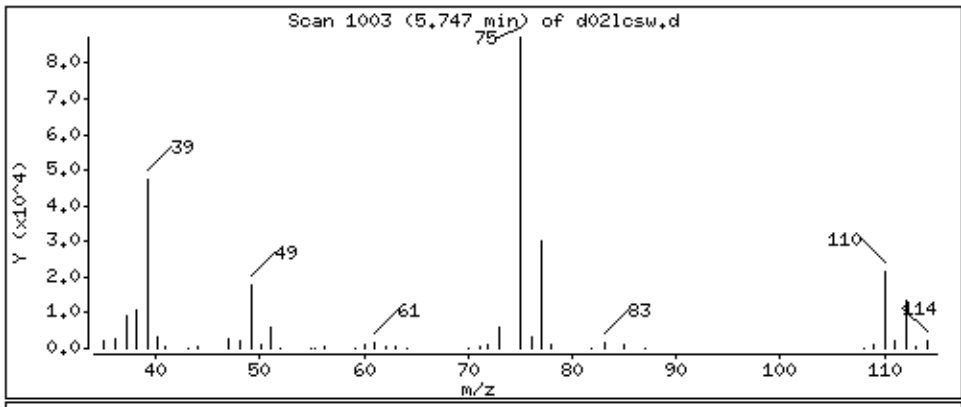
Column phase: DB-624

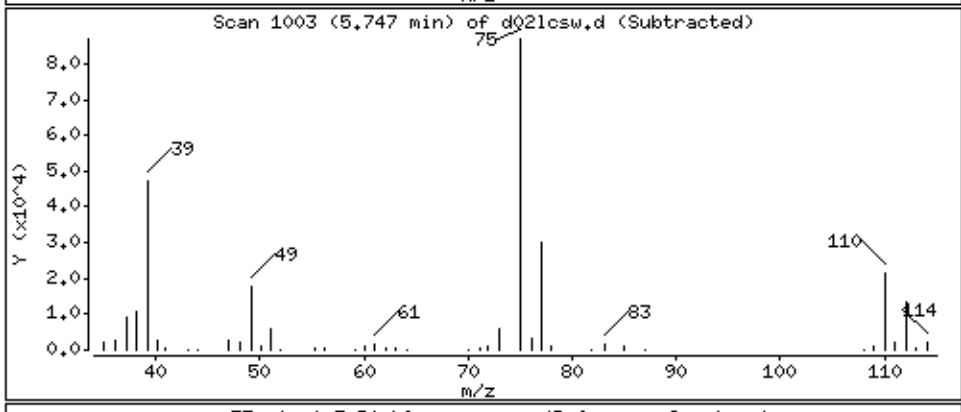
Column diameter: 0.18

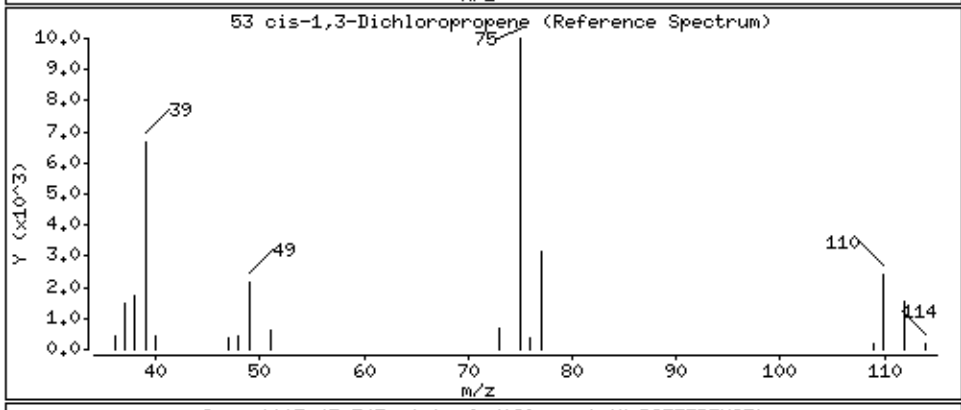
53 cis-1,3-Dichloropropene

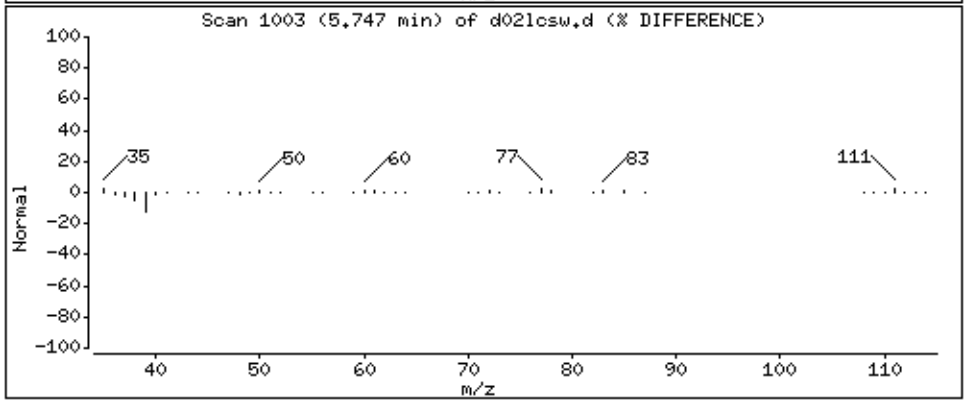
Concentration: 48.1 ppb

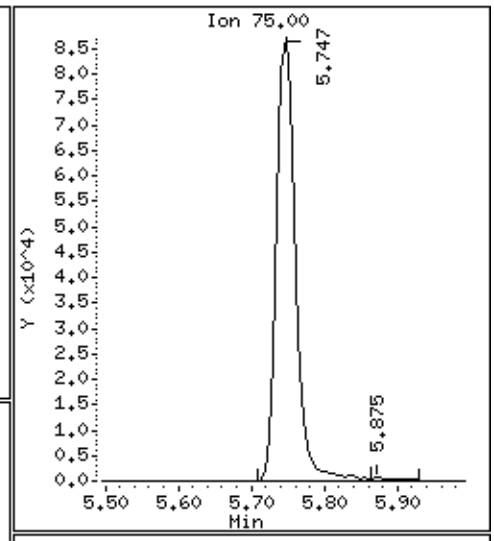
Review Code:

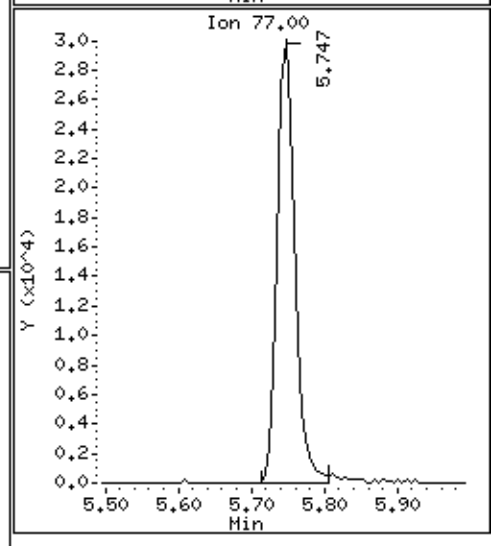












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

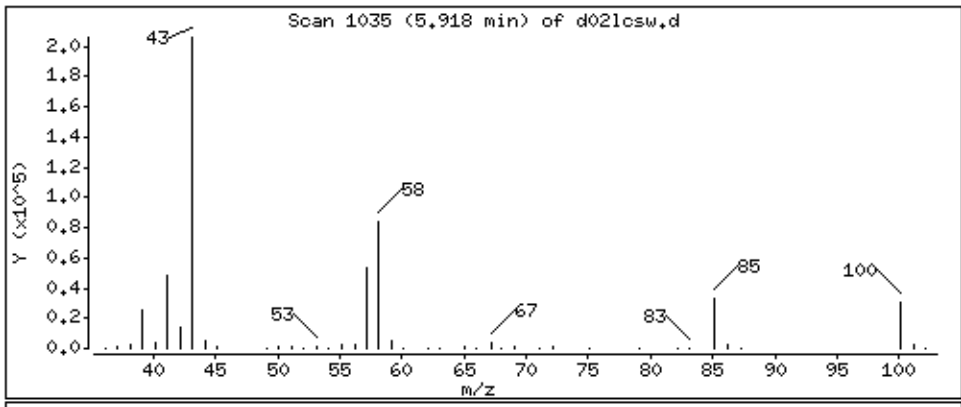
Column phase: DB-624

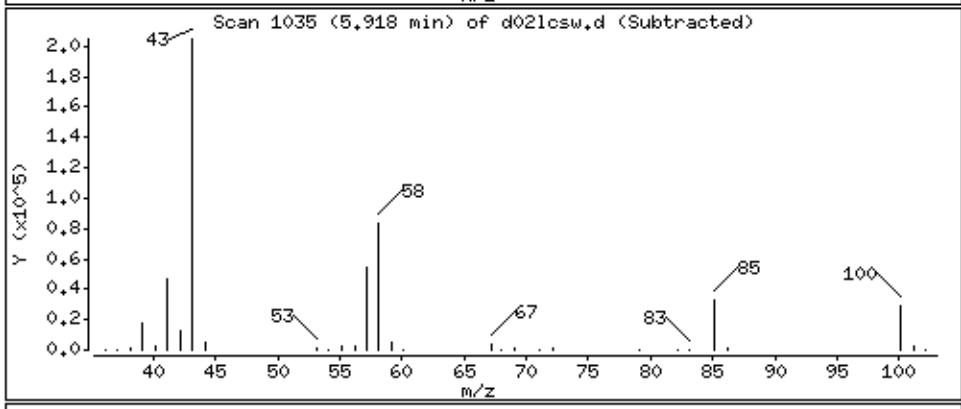
Column diameter: 0.18

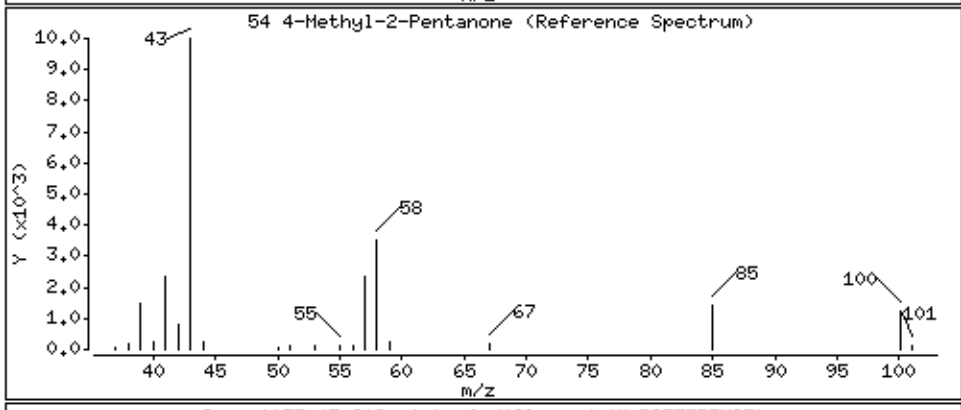
54 4-Methyl-2-Pentanone

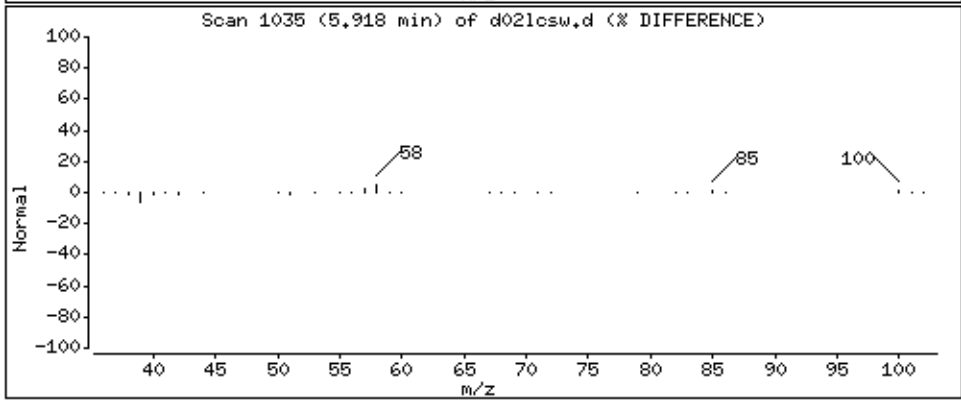
Concentration: 263 ppb

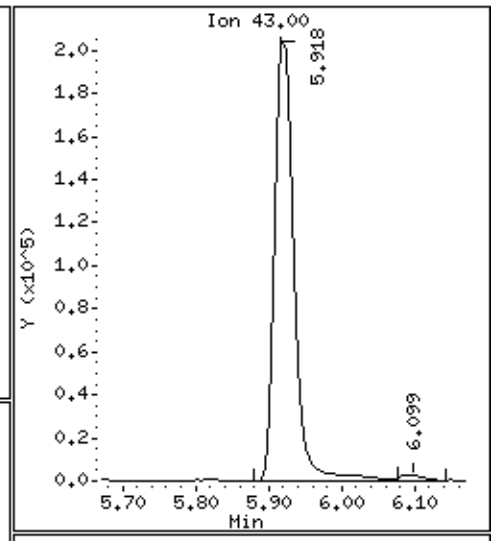
Review Code:

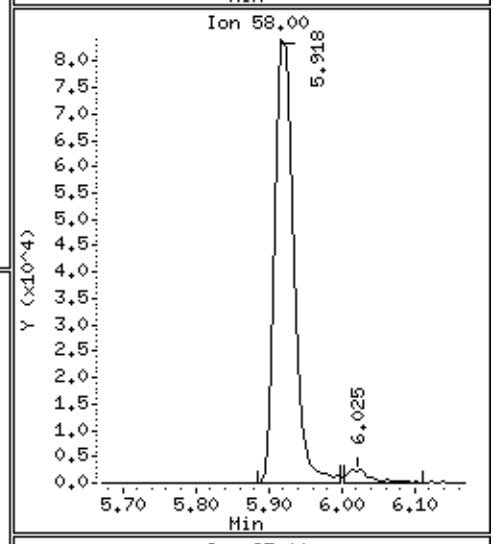


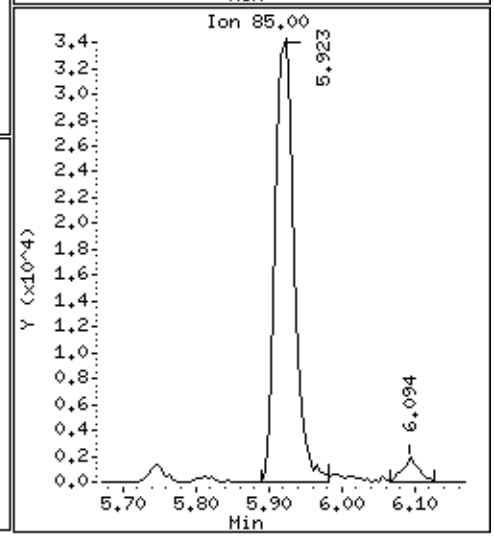












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

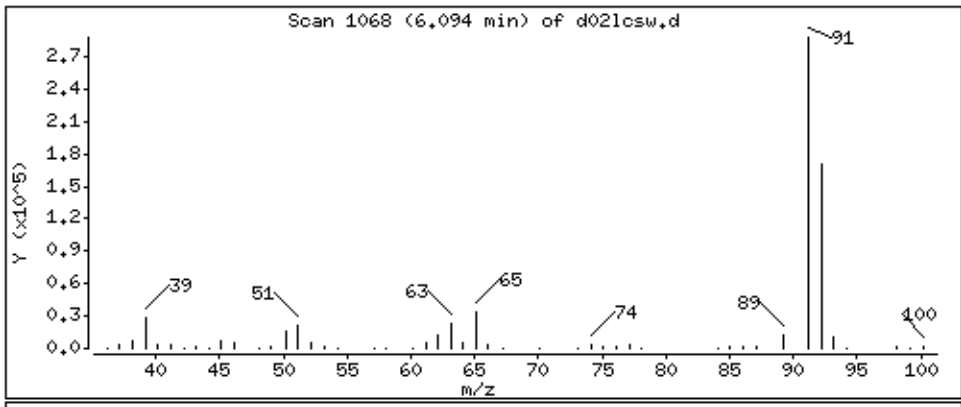
Column phase: DB-624

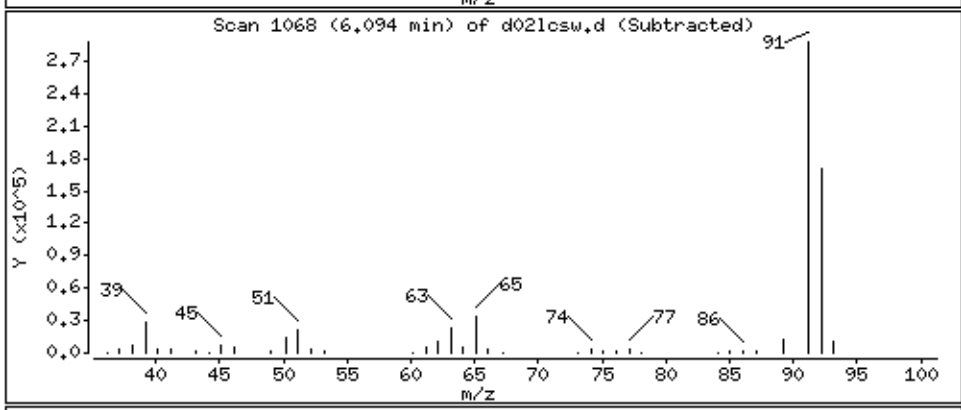
Column diameter: 0.18

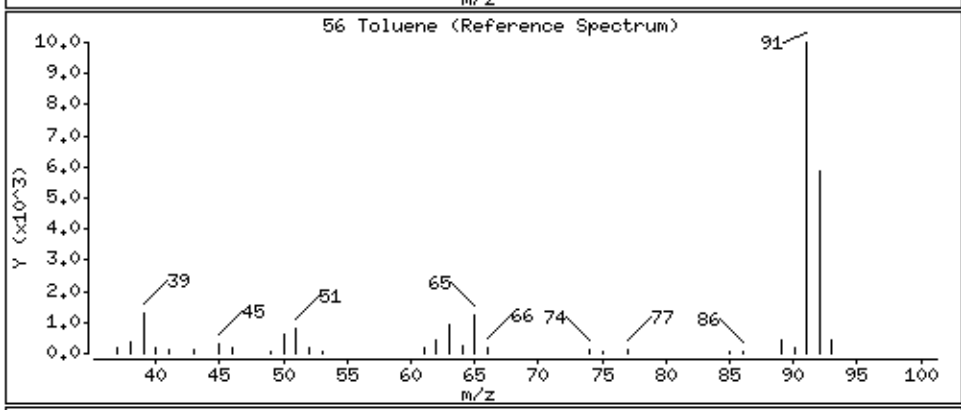
56 Toluene

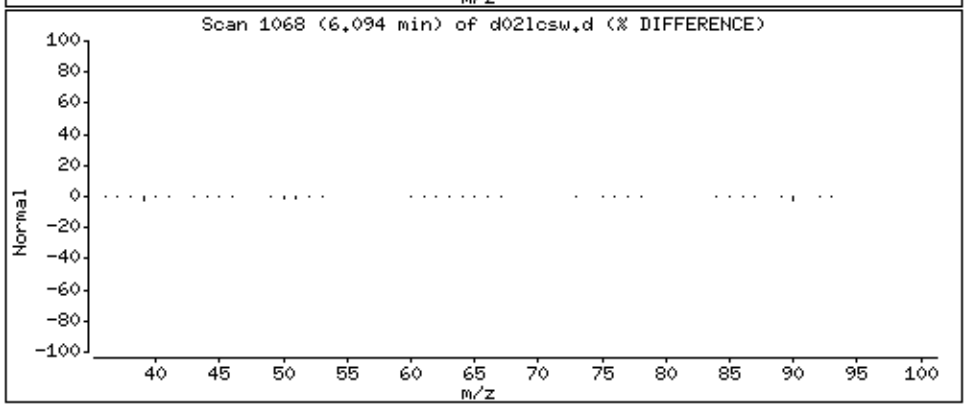
Concentration: 43.2 ppb

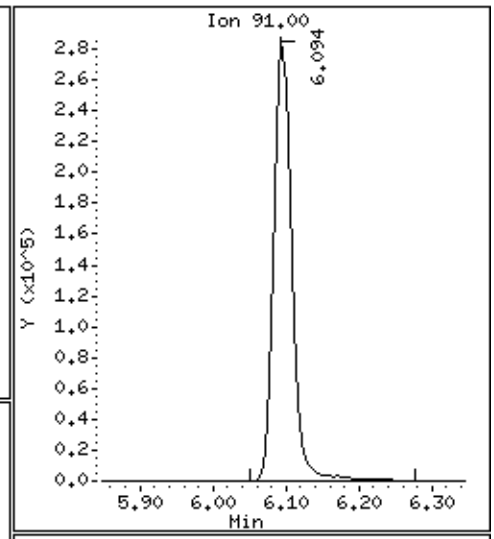
Review Code:

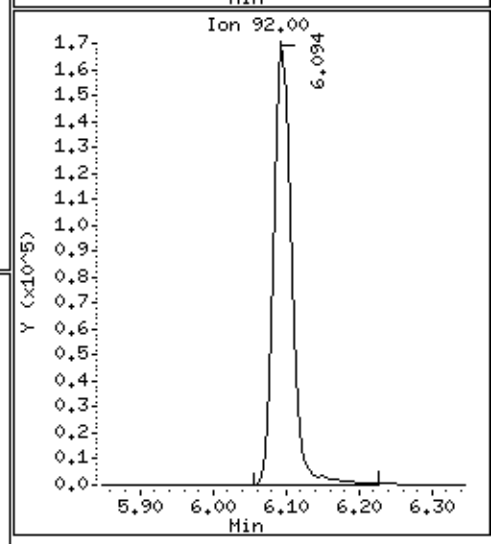












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

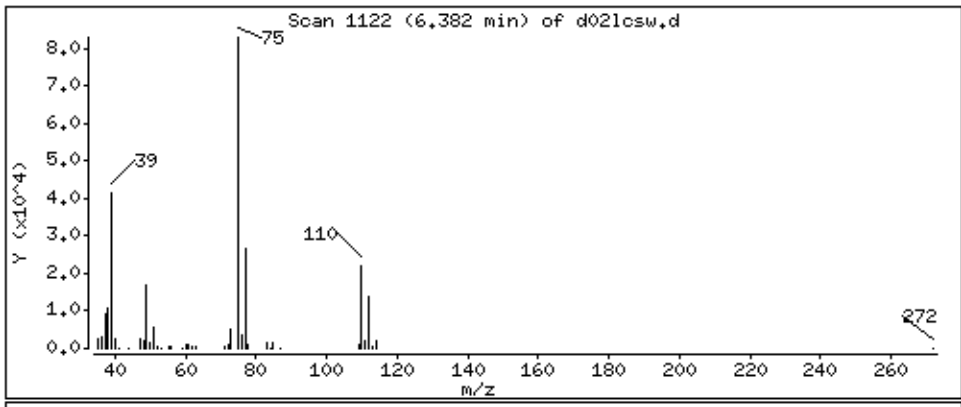
Column phase: DB-624

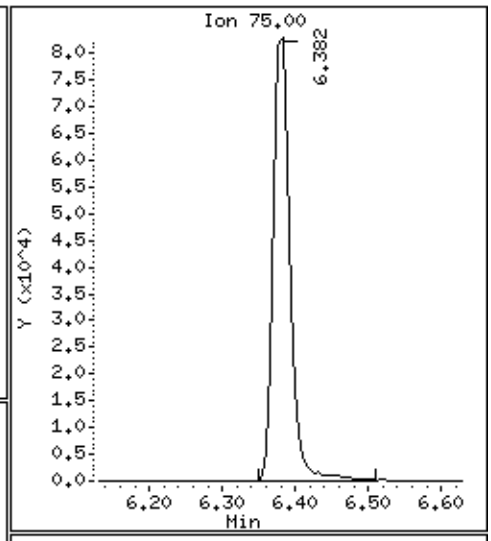
Column diameter: 0.18

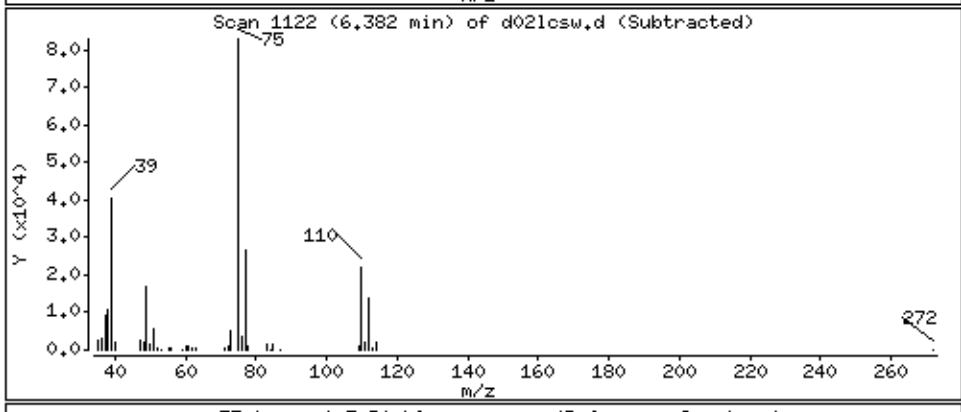
57 trans-1,3-Dichloropropene

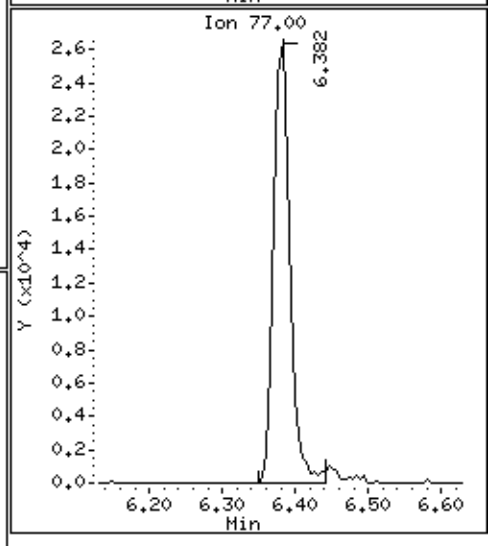
Concentration: 51.4 ppb

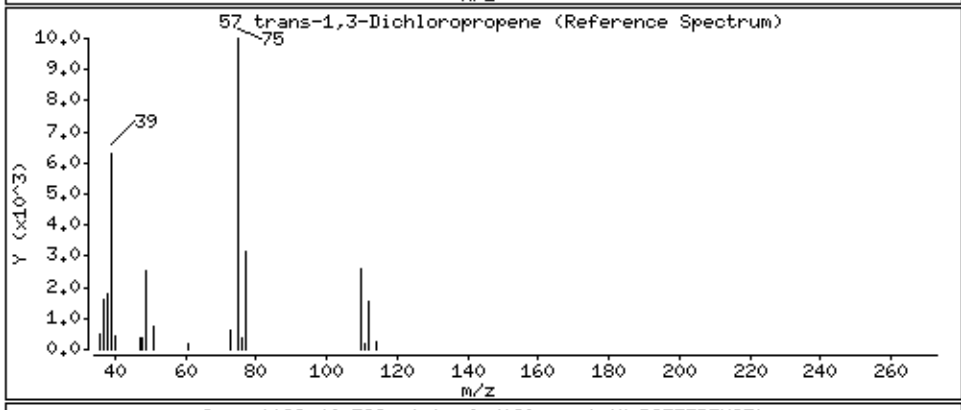
Review Code:

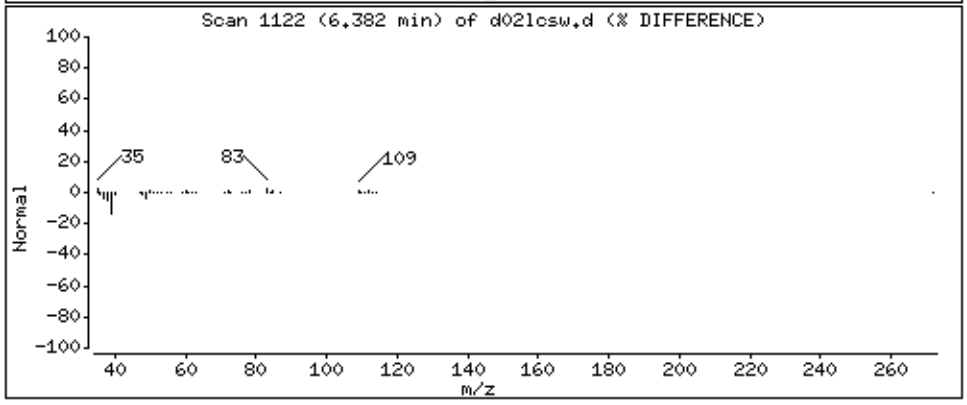












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

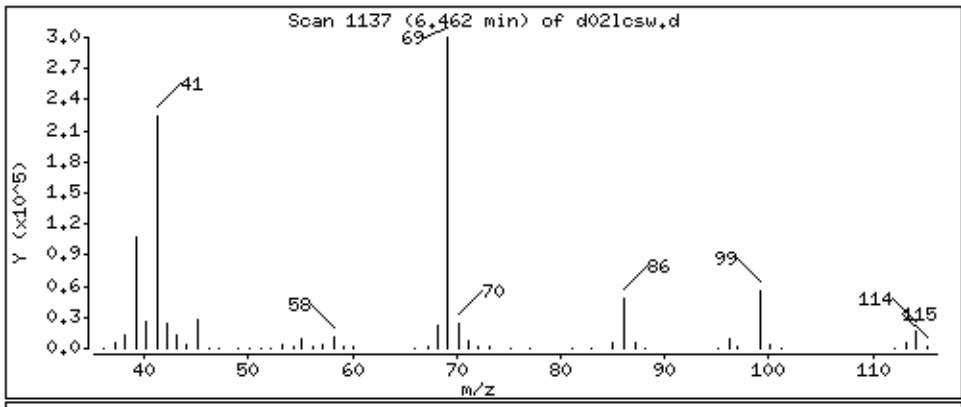
Column phase: DB-624

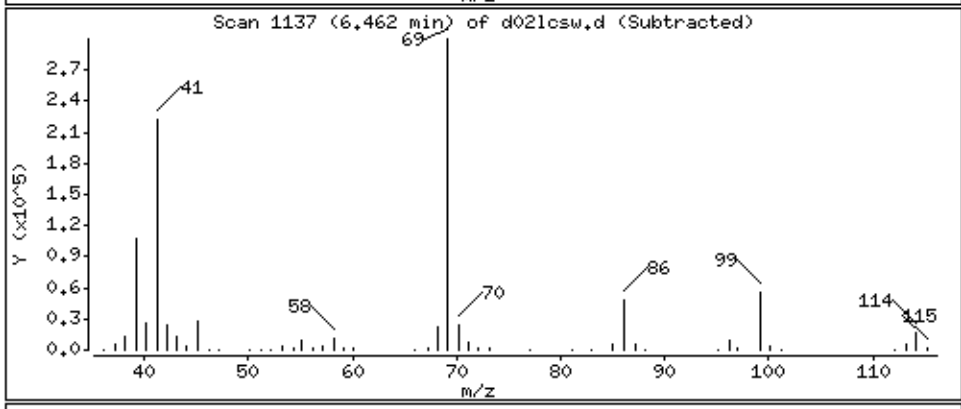
Column diameter: 0.18

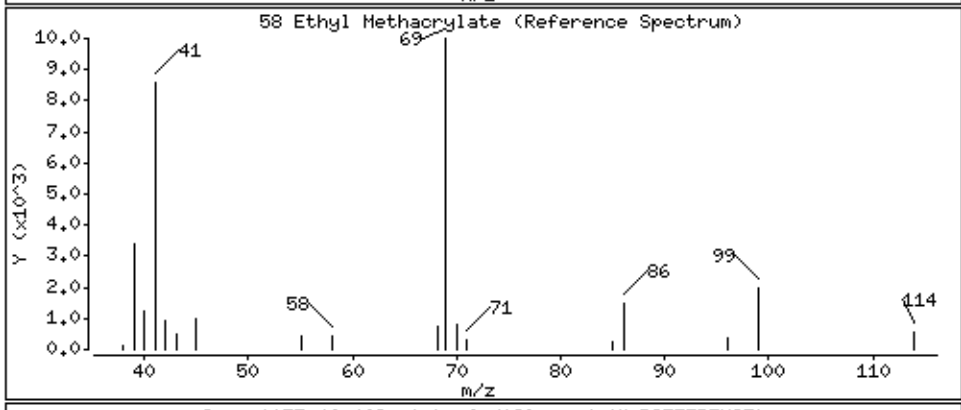
58 Ethyl Methacrylate

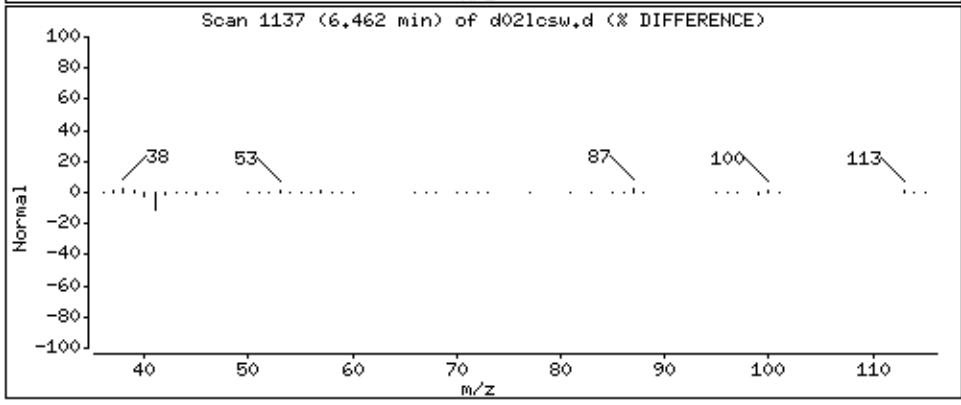
Concentration: 222 ppb

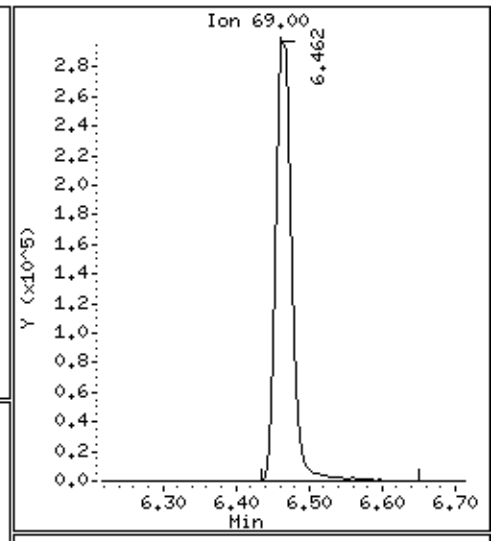
Review Code:

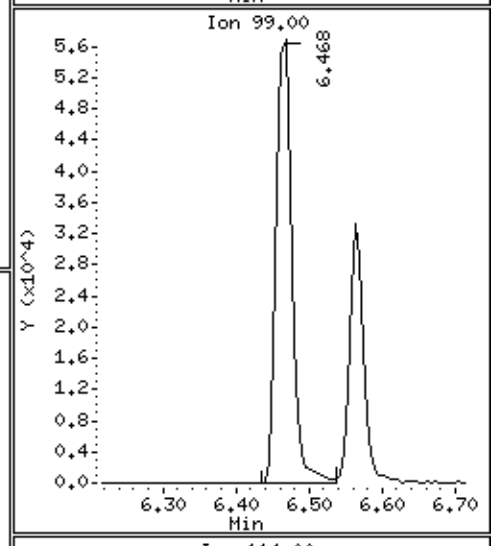


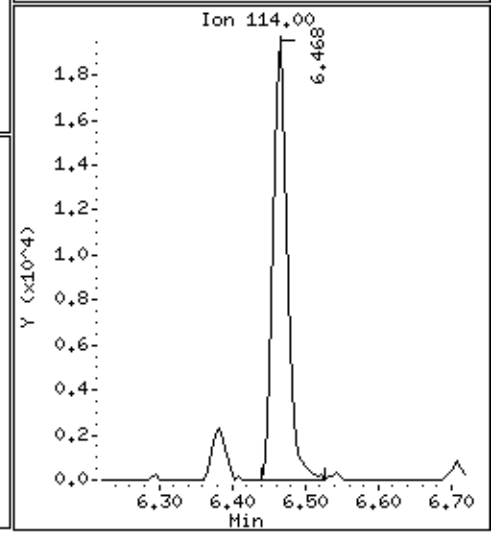












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

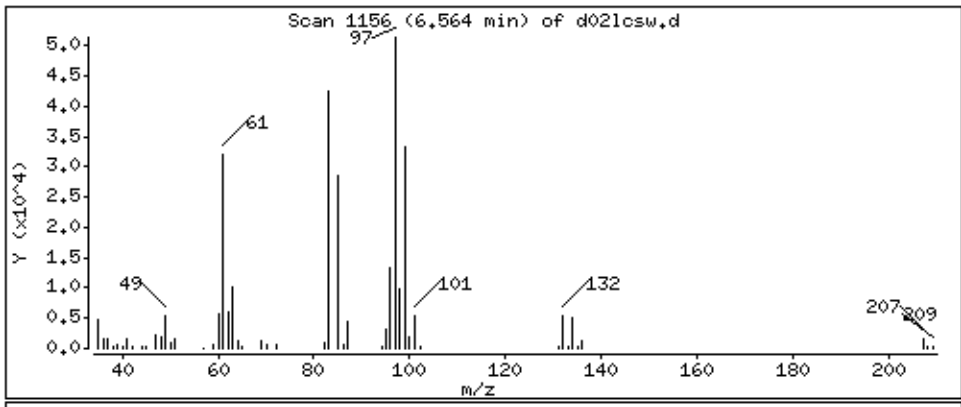
Column phase: DB-624

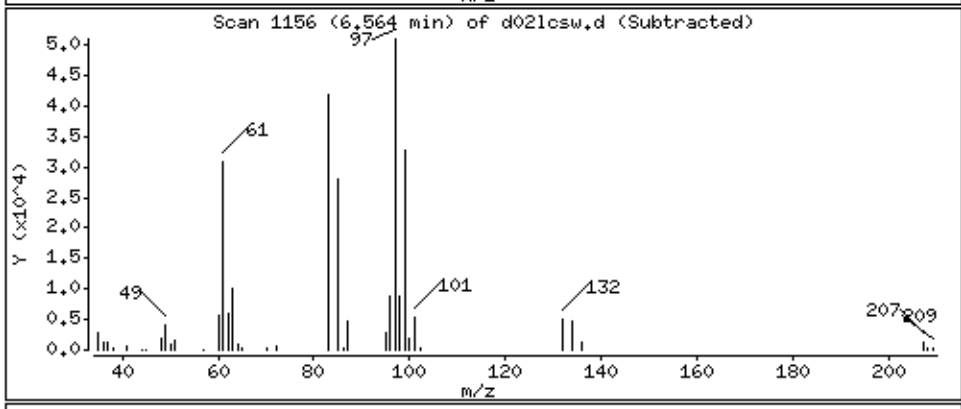
Column diameter: 0.18

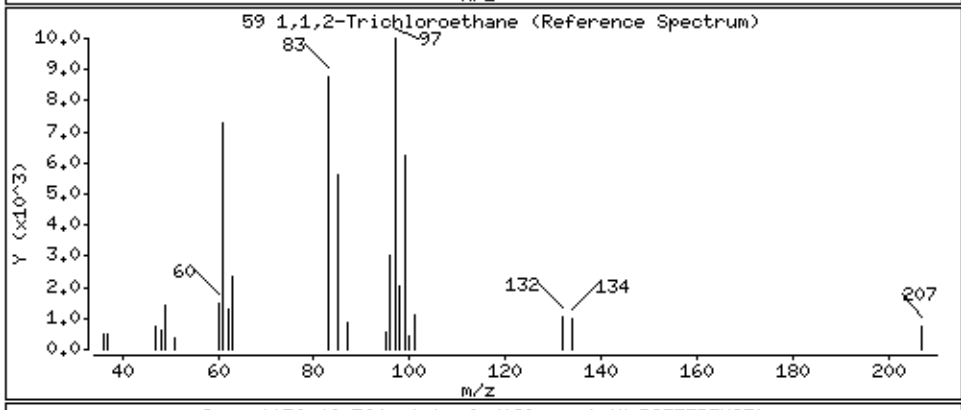
59 1,1,2-Trichloroethane

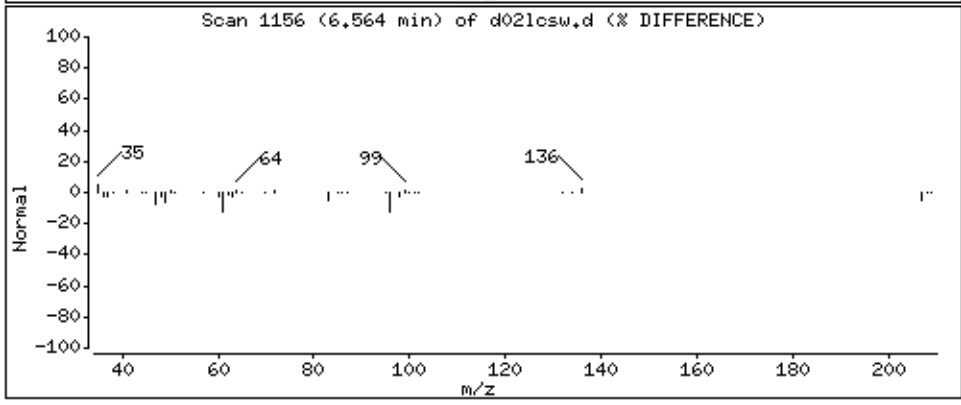
Concentration: 49.4 ppb

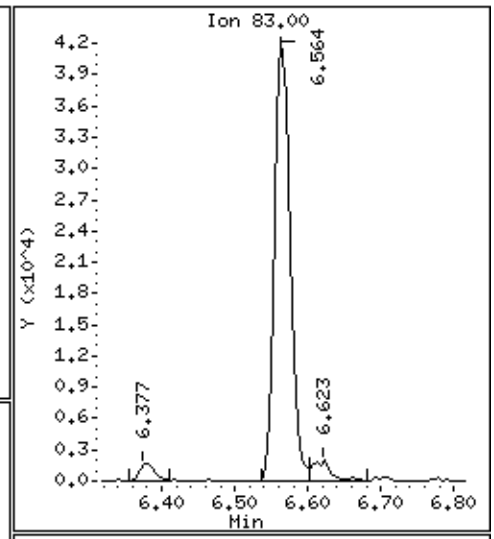
Review Code:

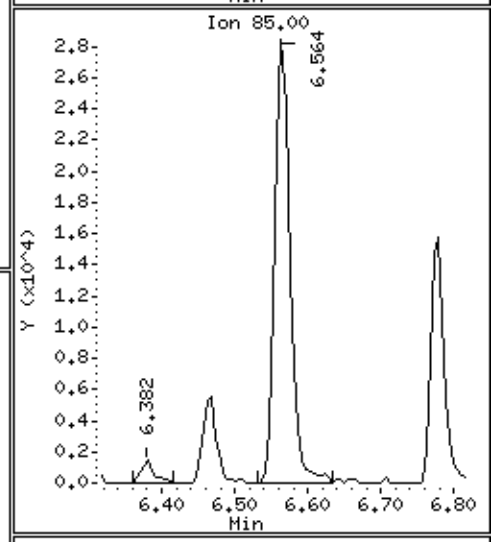


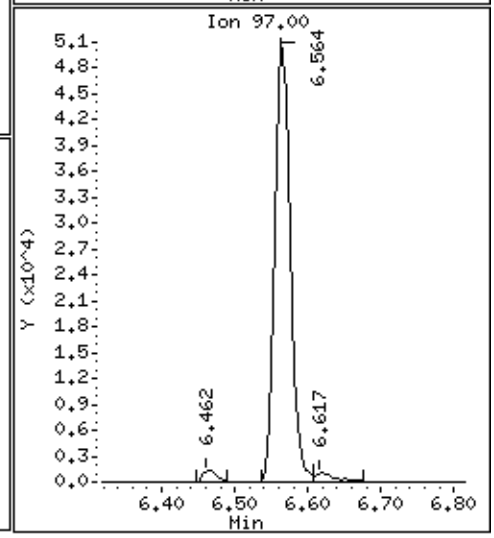












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

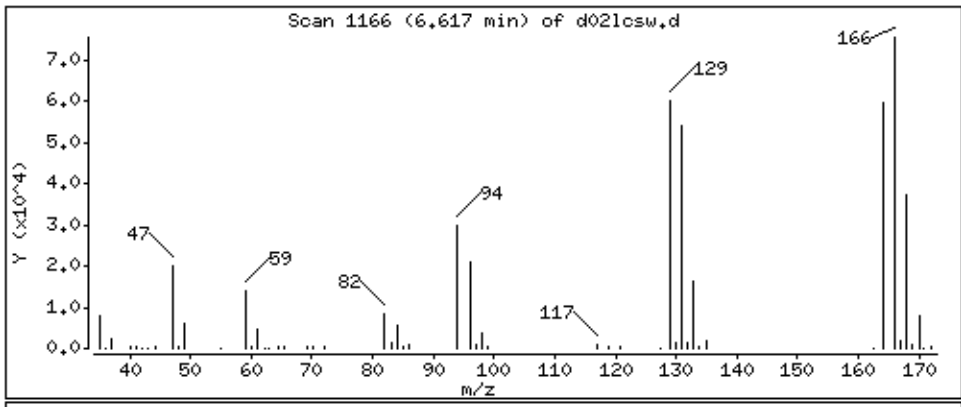
Column phase: DB-624

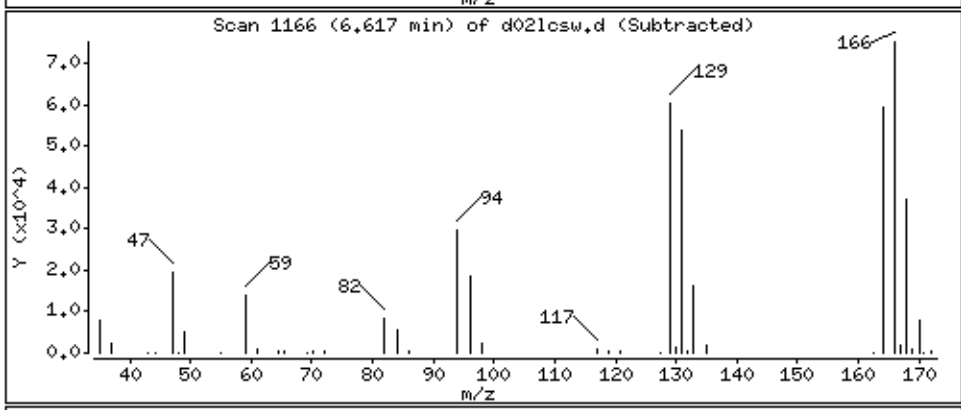
Column diameter: 0.18

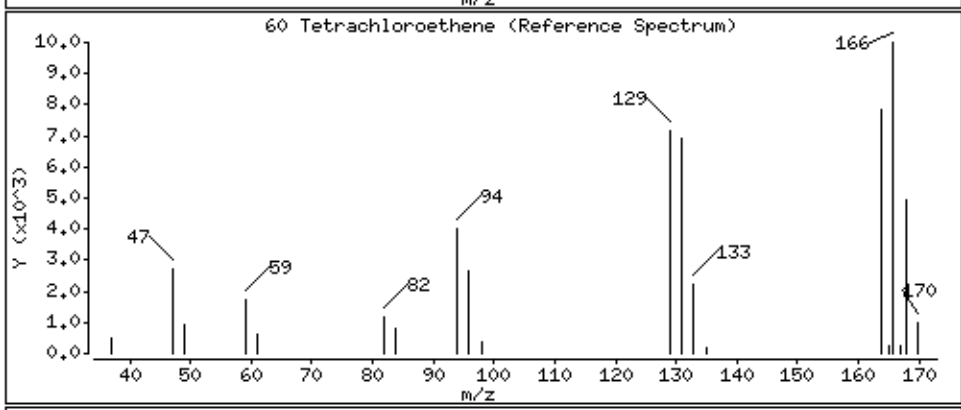
60 Tetrachloroethene

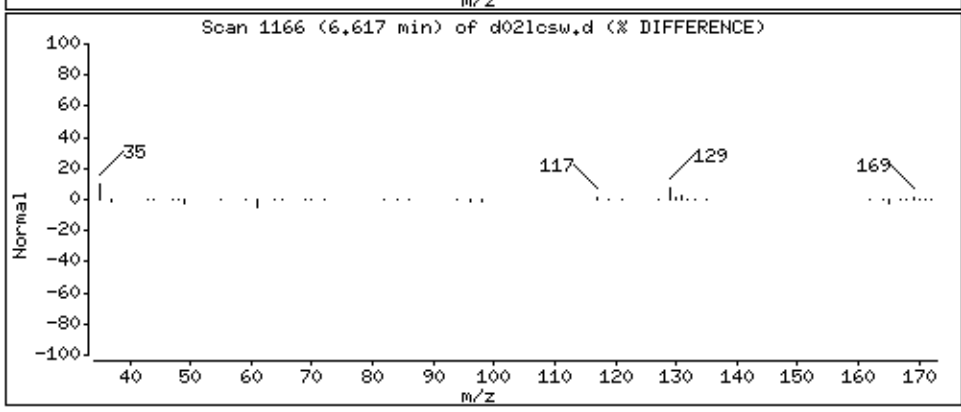
Concentration: 44.2 ppb

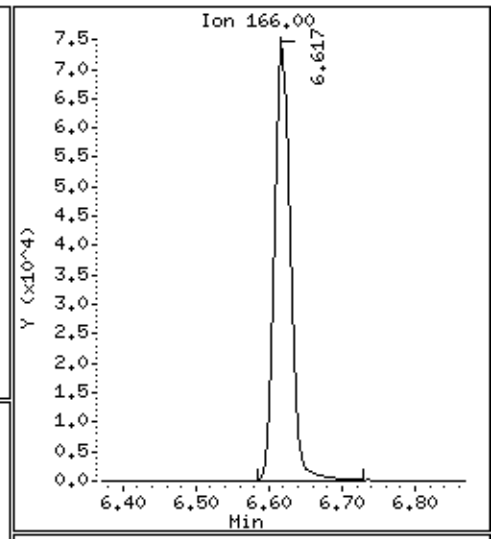
Review Code:

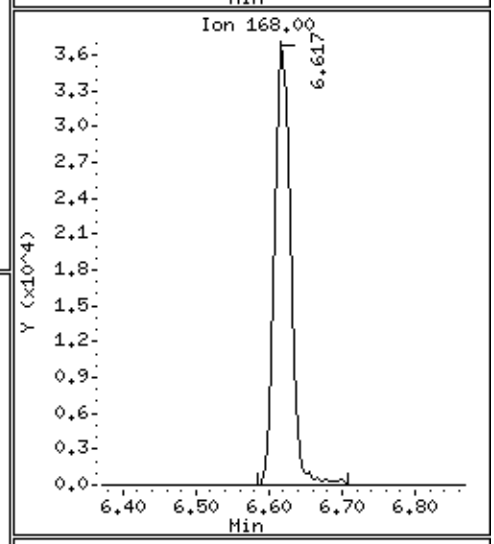


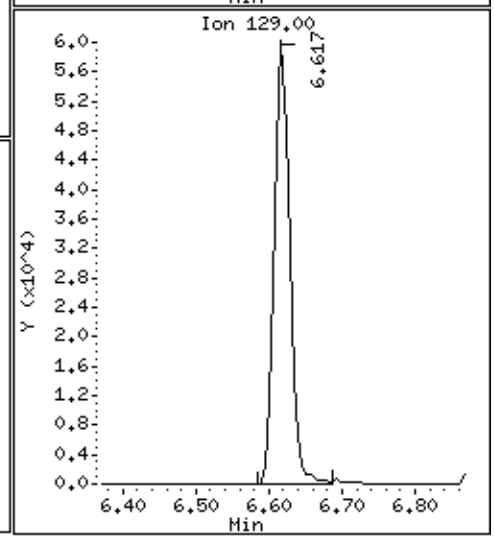












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

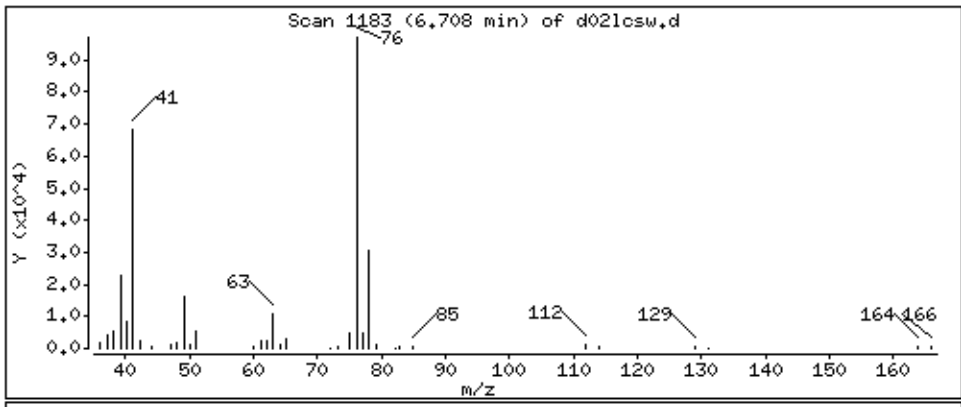
Column phase: DB-624

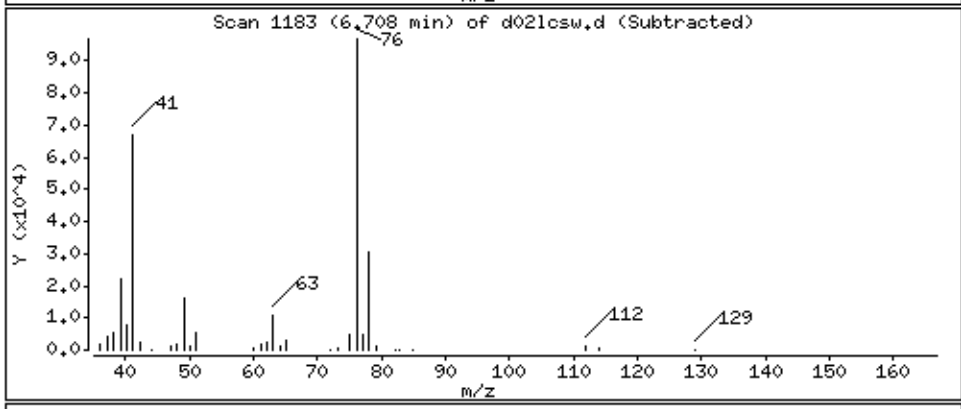
Column diameter: 0.18

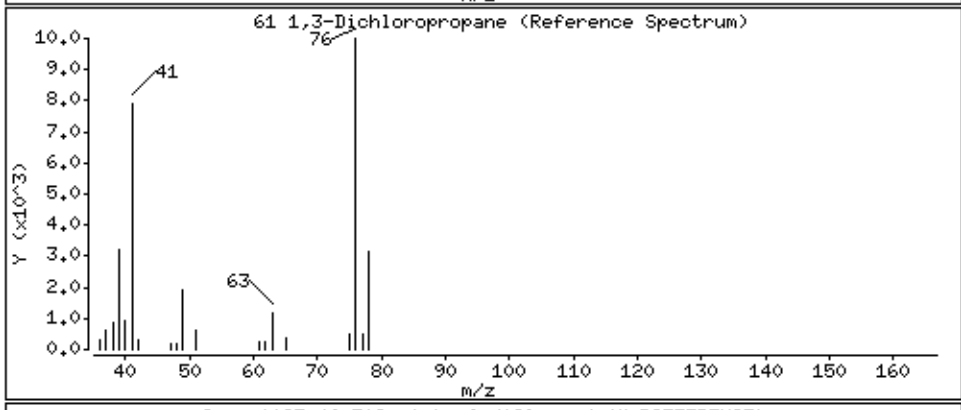
61 1,3-Dichloropropane

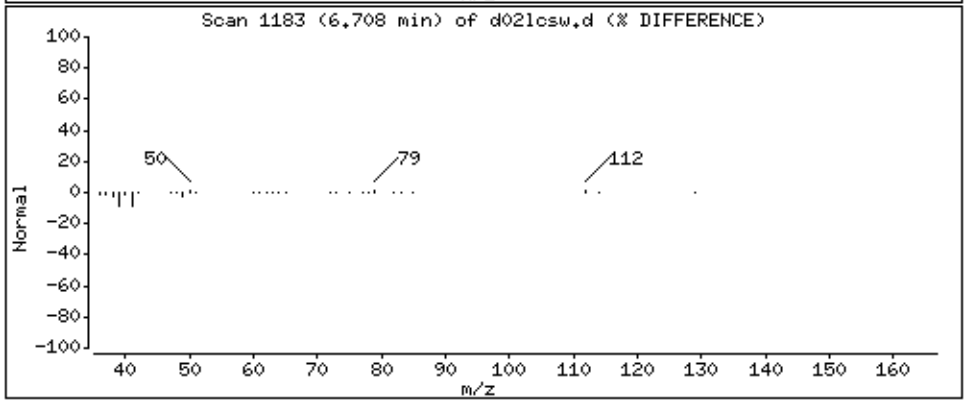
Concentration: 52.8 ppb

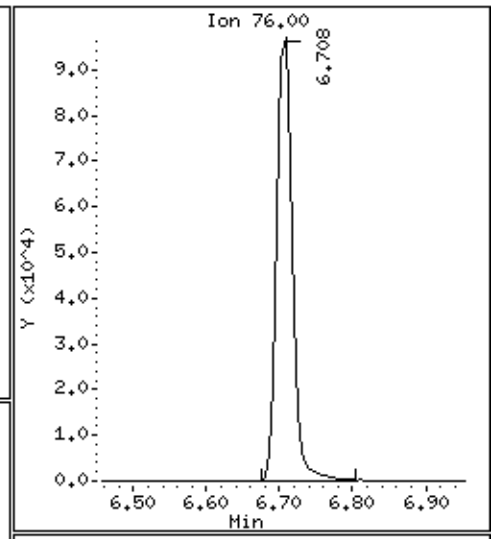
Review Code:

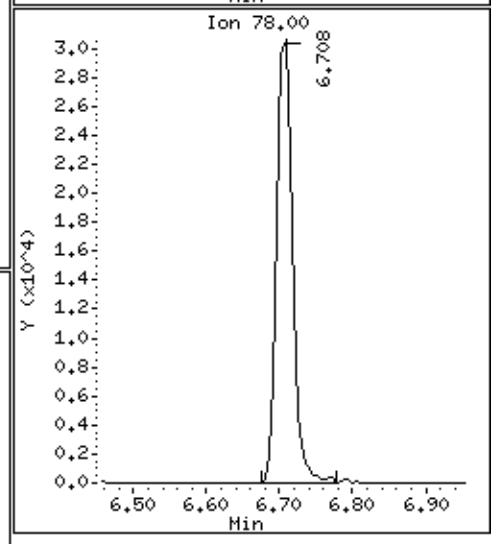












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

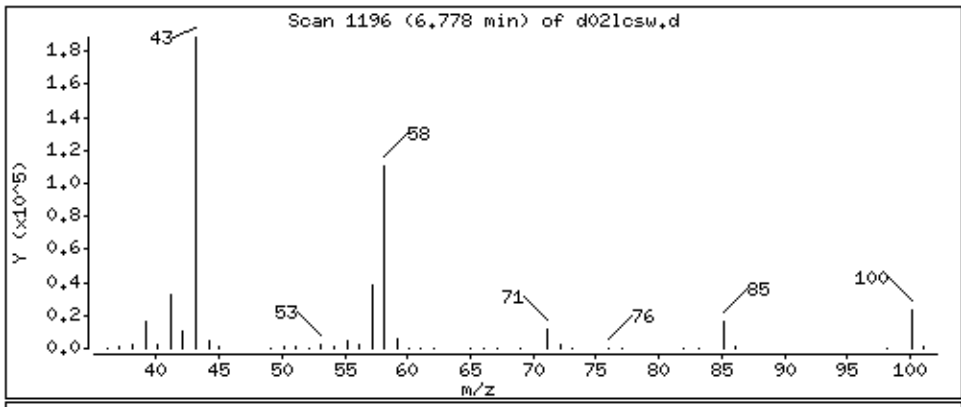
Column phase: DB-624

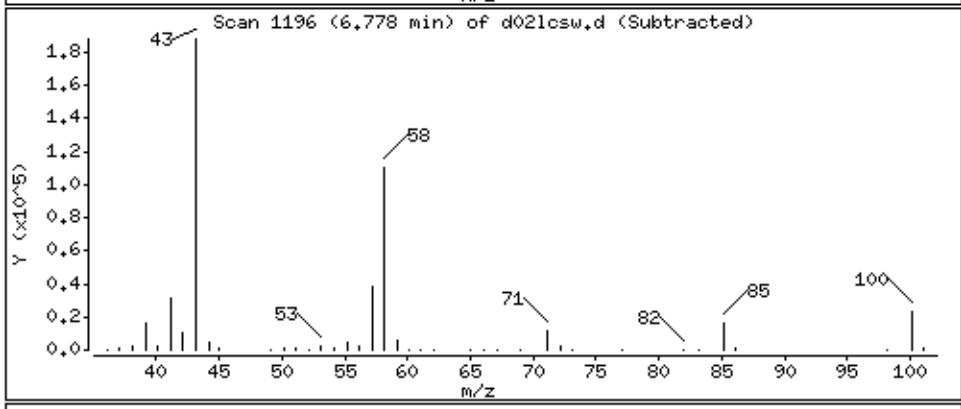
Column diameter: 0.18

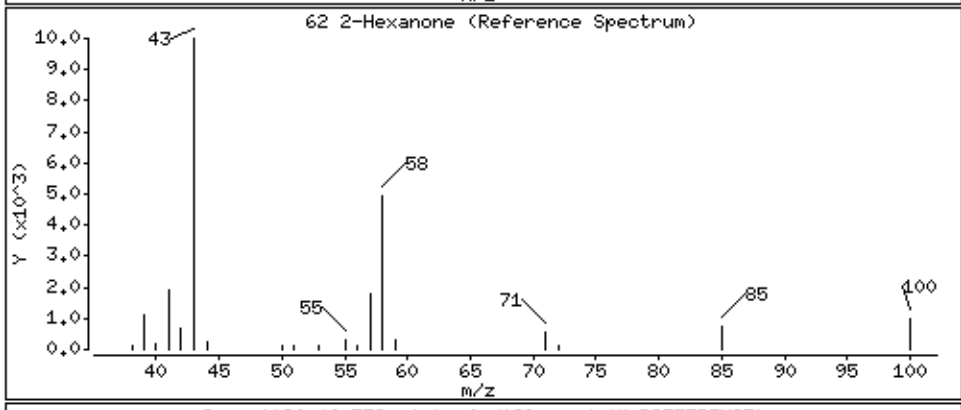
62 2-Hexanone

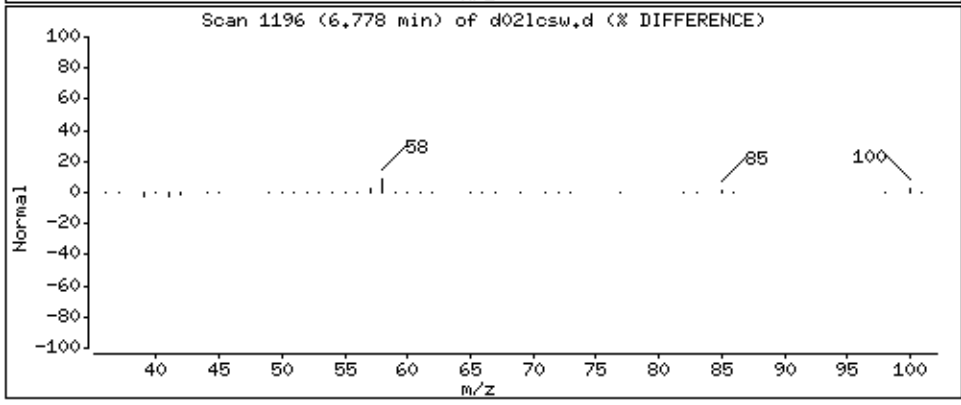
Concentration: 283 ppb

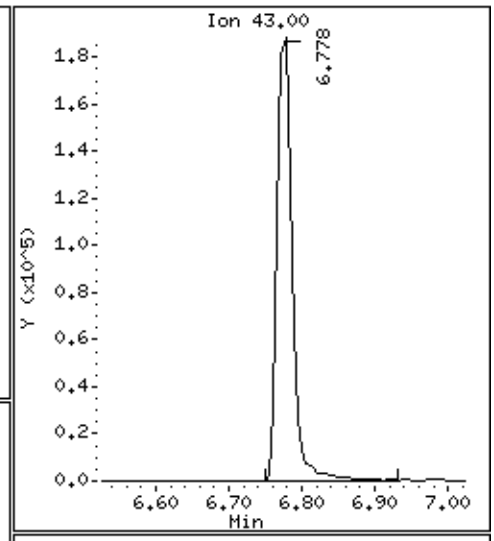
Review Code:

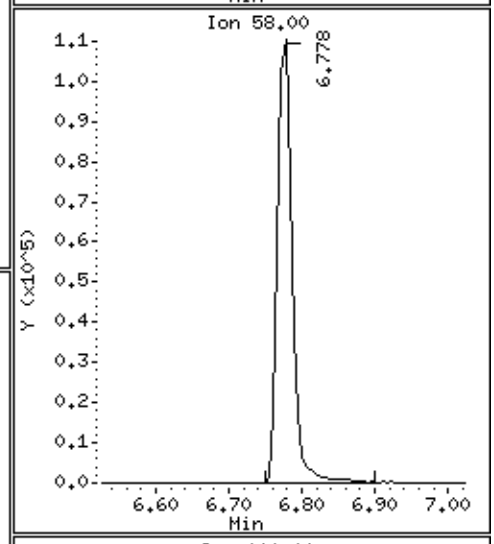


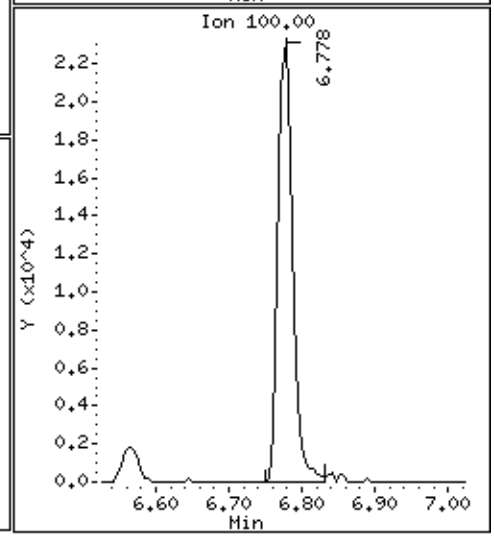












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

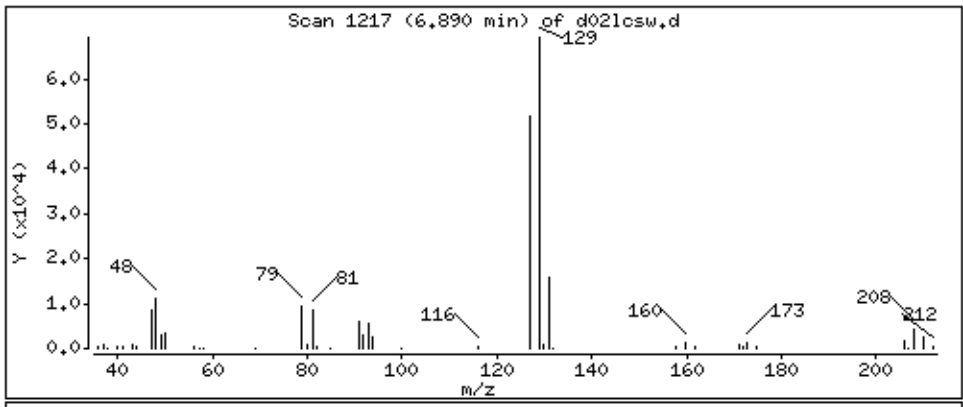
Column phase: DB-624

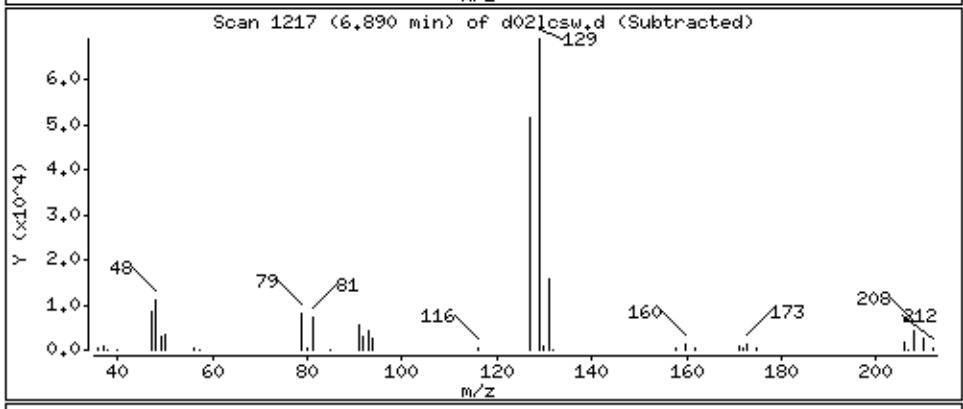
Column diameter: 0.18

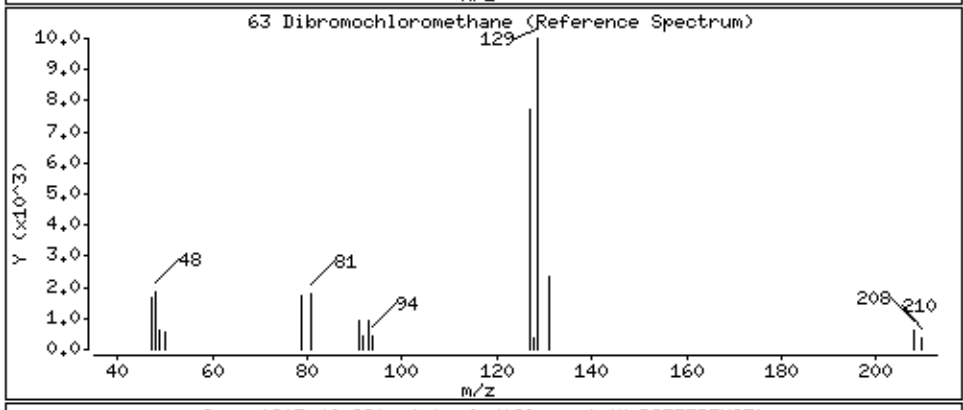
63 Dibromochloromethane

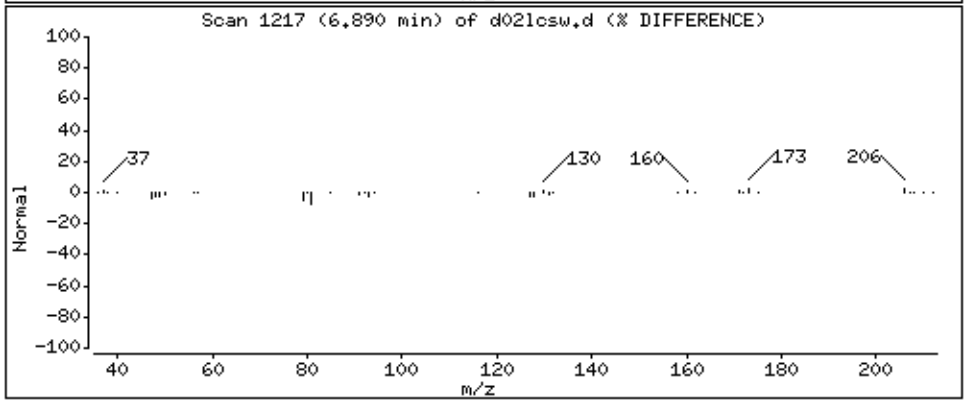
Concentration: 51.0 ppb

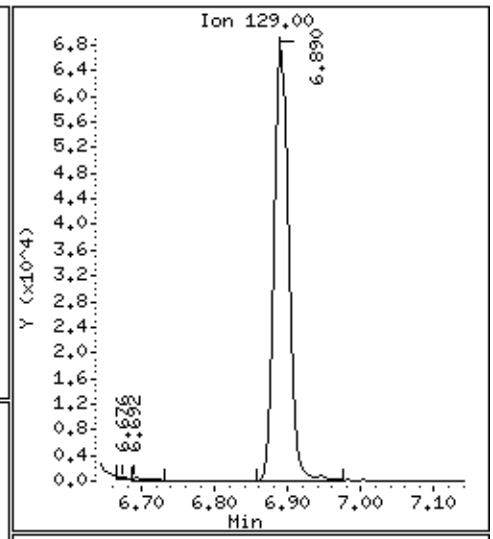
Review Code:

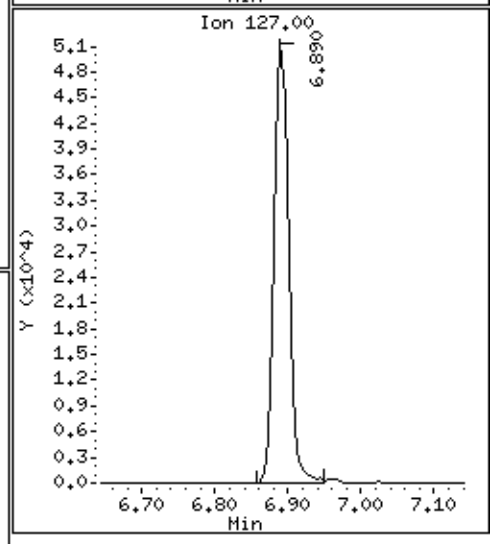












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

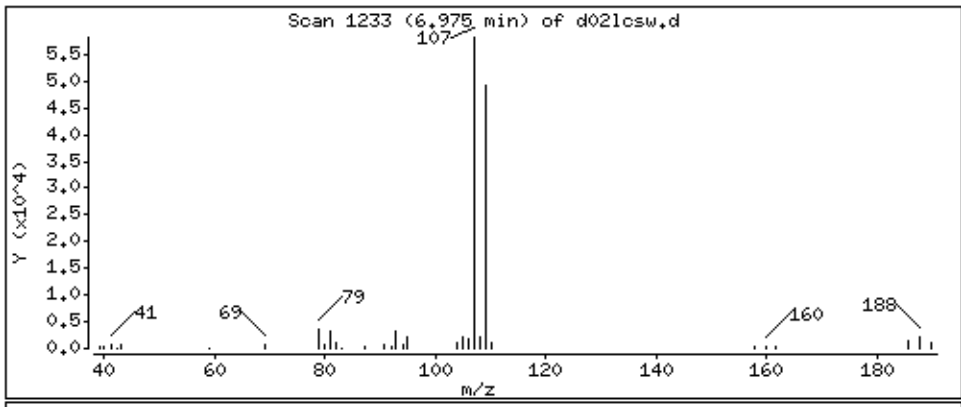
Column phase: DB-624

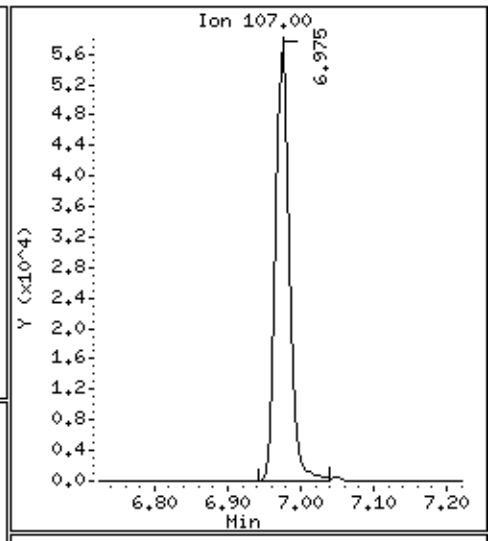
Column diameter: 0.18

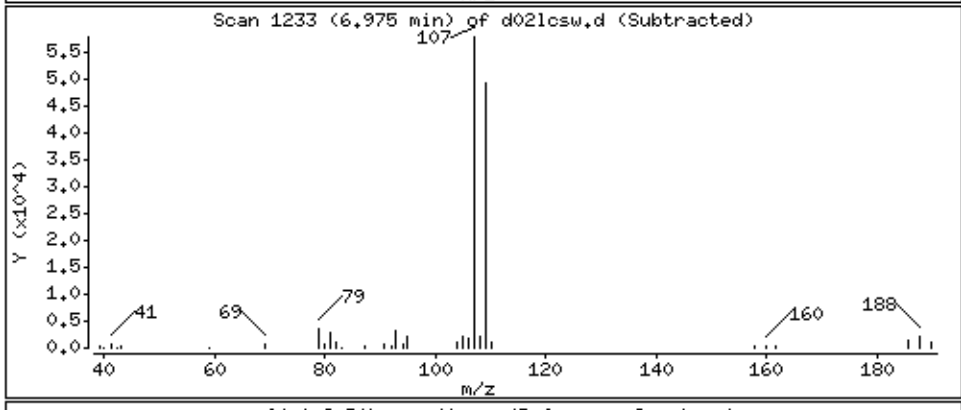
64 1,2-Dibromoethane

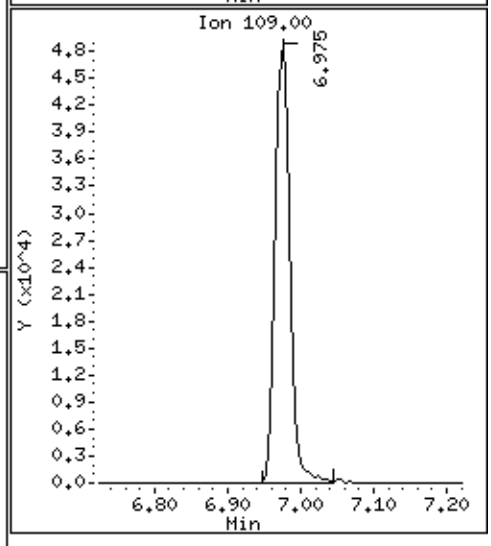
Concentration: 51.7 ppb

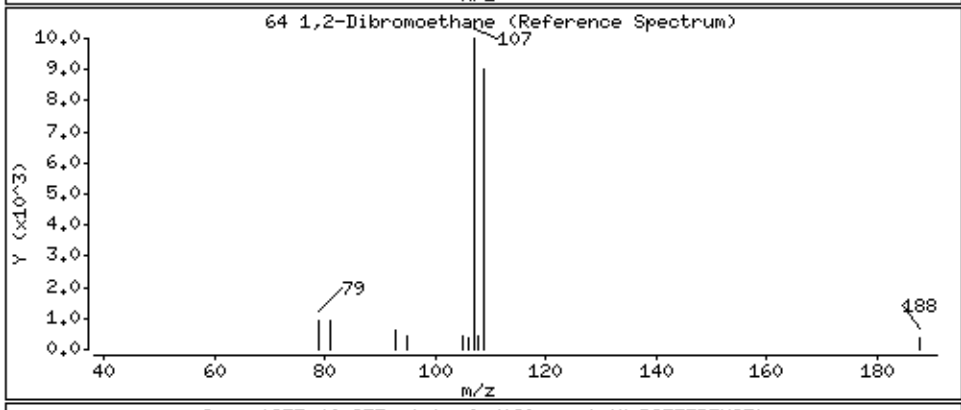
Review Code:

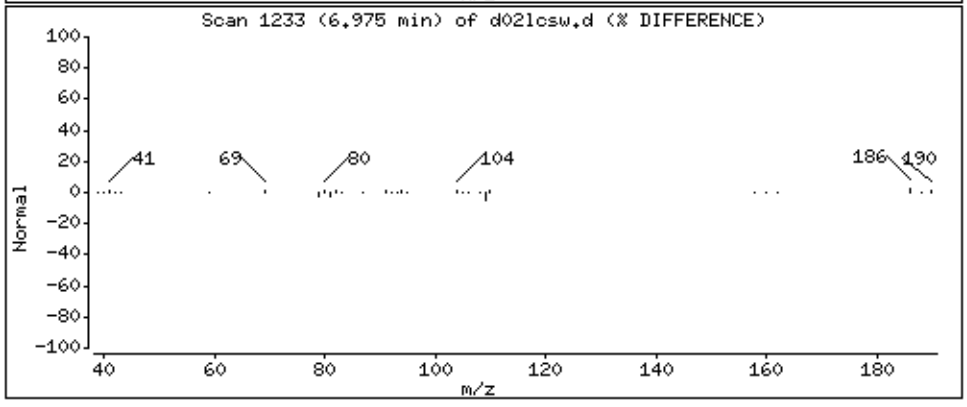












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

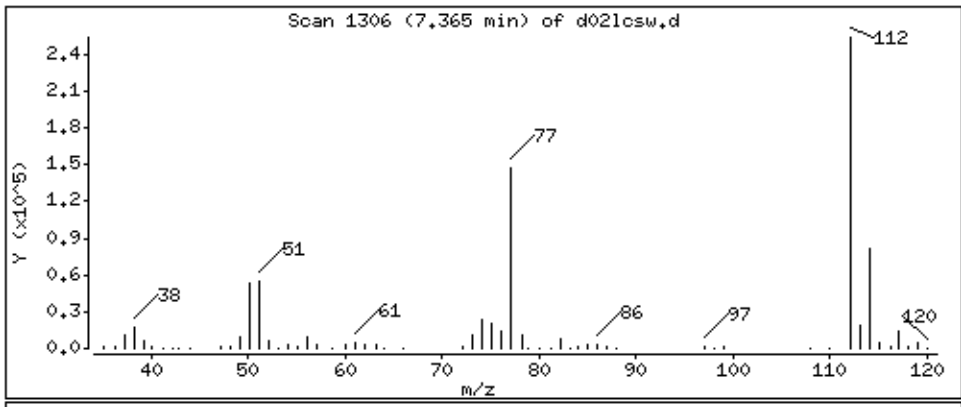
Column phase: DB-624

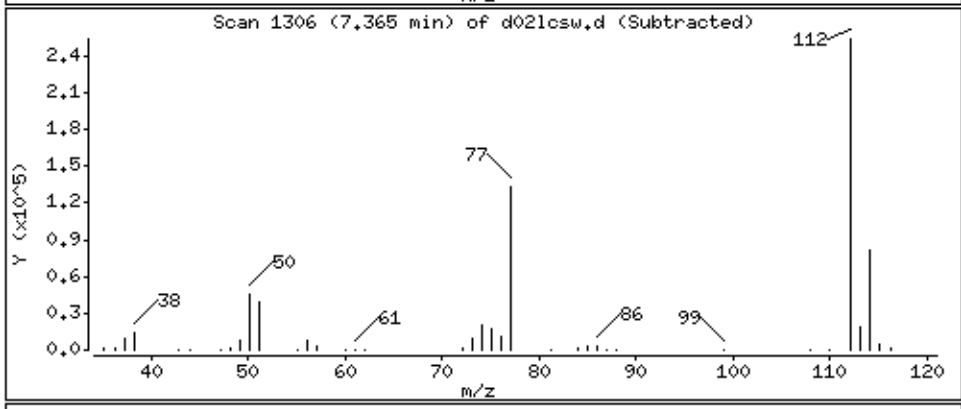
Column diameter: 0.18

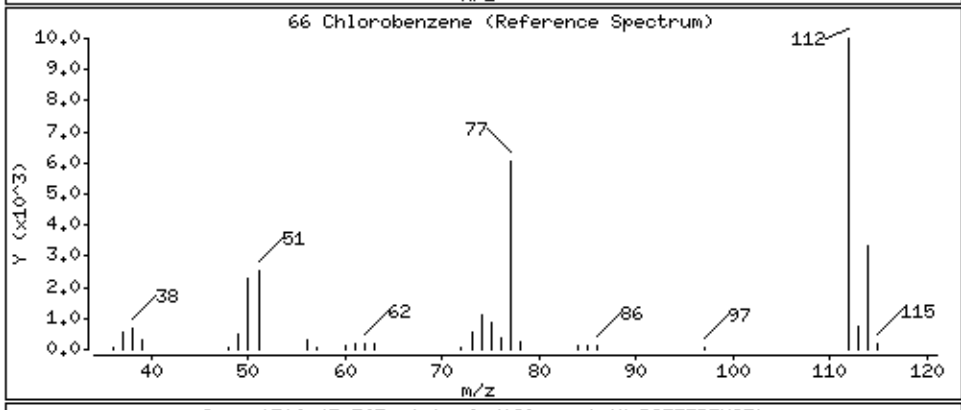
66 Chlorobenzene

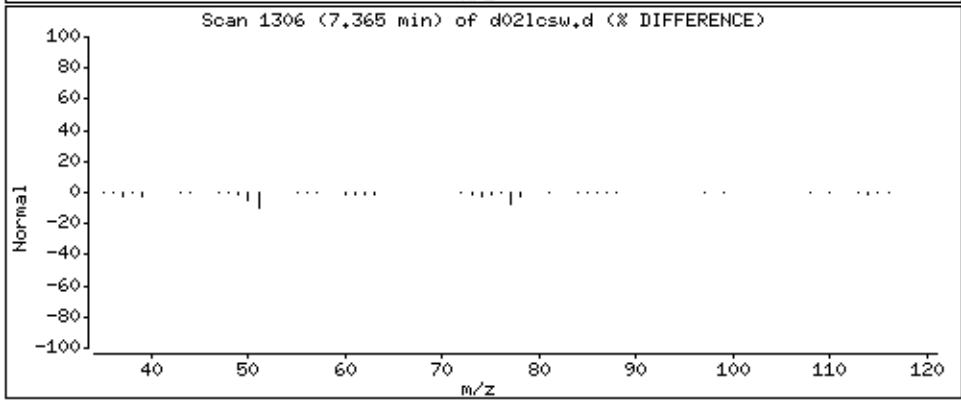
Concentration: 47.9 ppb

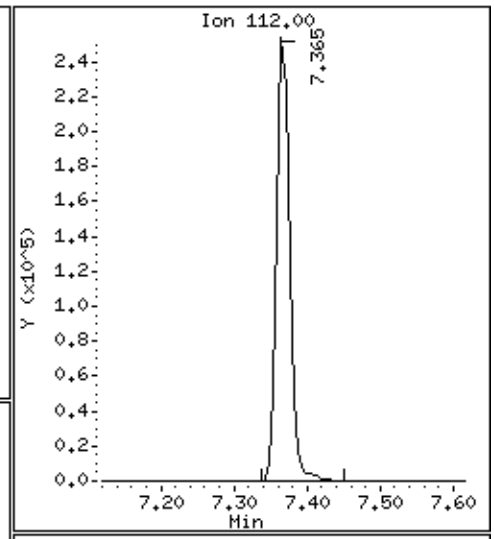
Review Code:

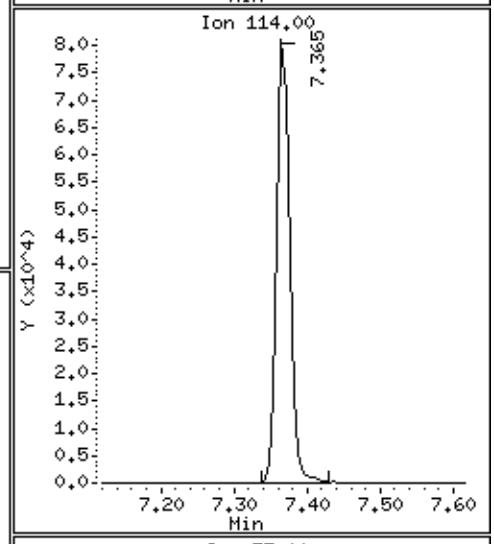


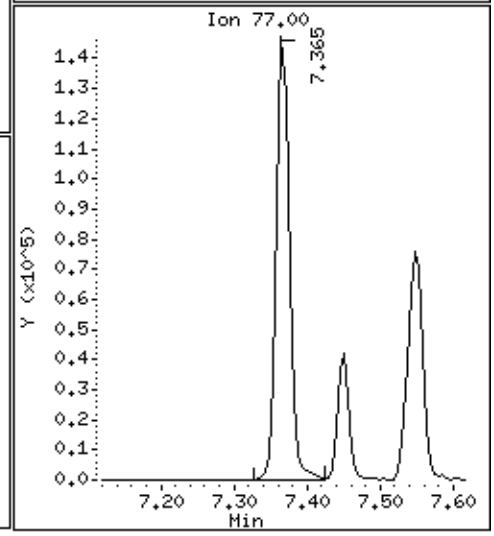












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

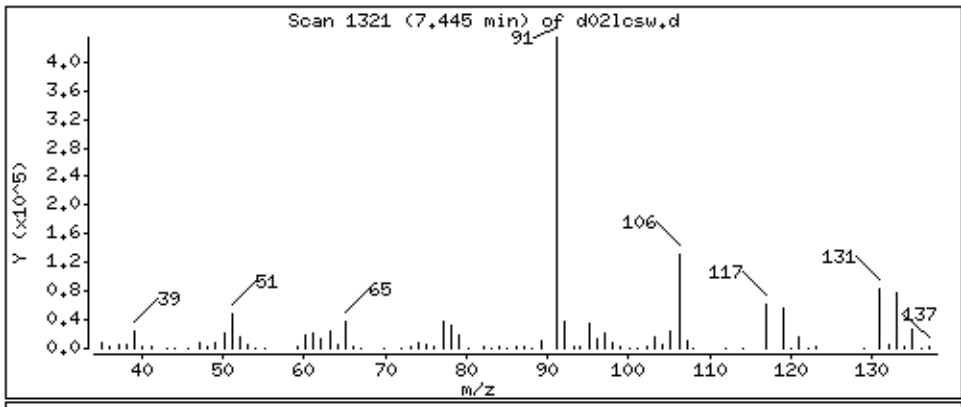
Column phase: DB-624

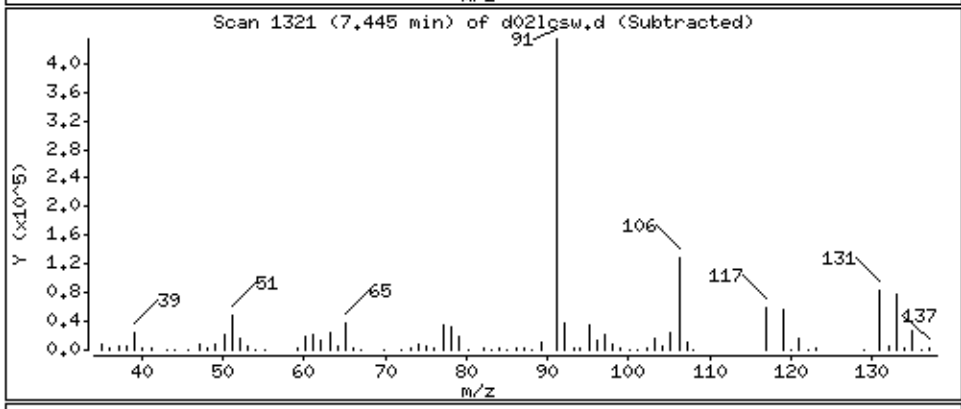
Column diameter: 0.18

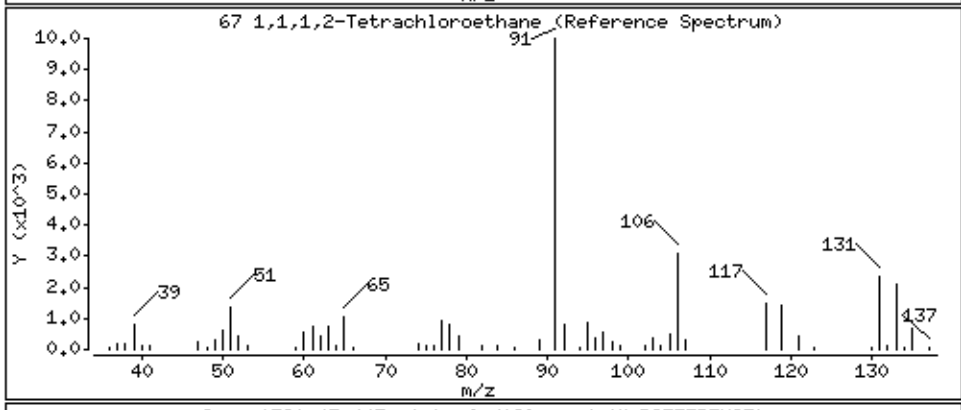
67 1,1,1,2-Tetrachloroethane

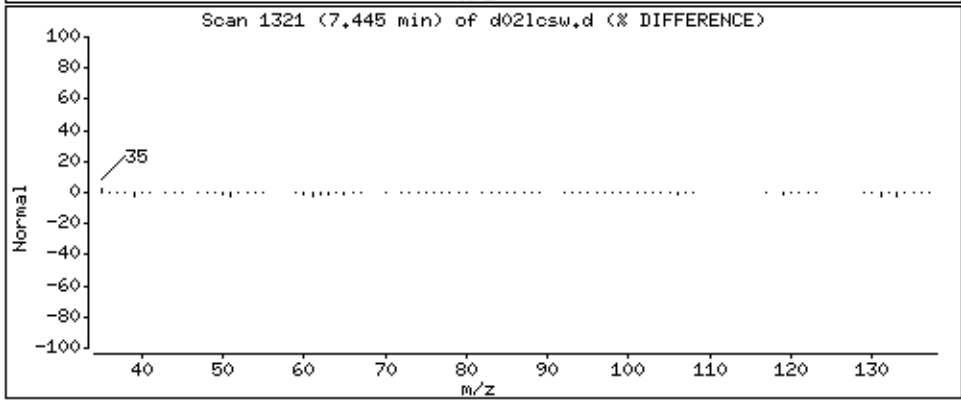
Concentration: 52.0 ppb

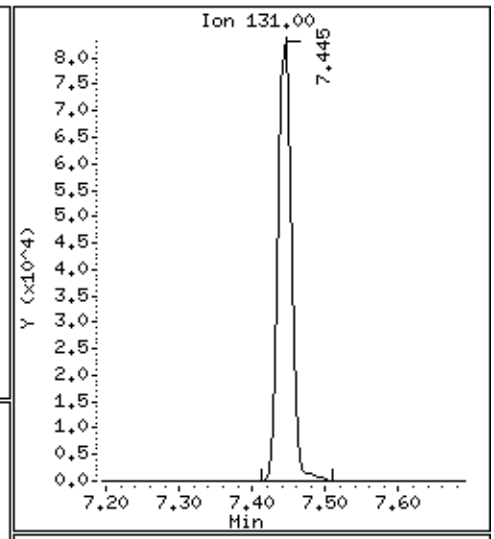
Review Code:

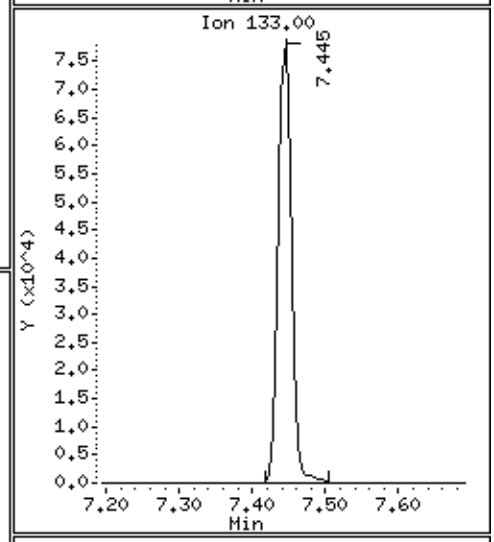


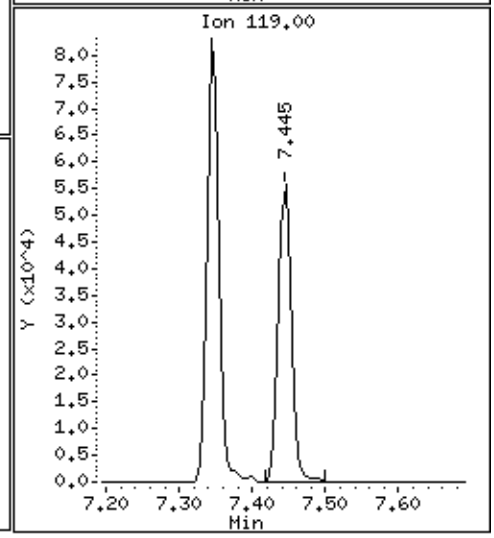












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

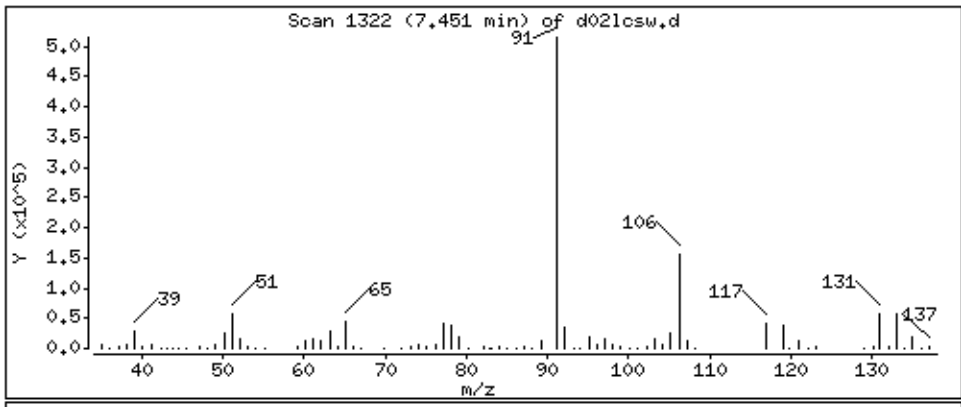
Column phase: DB-624

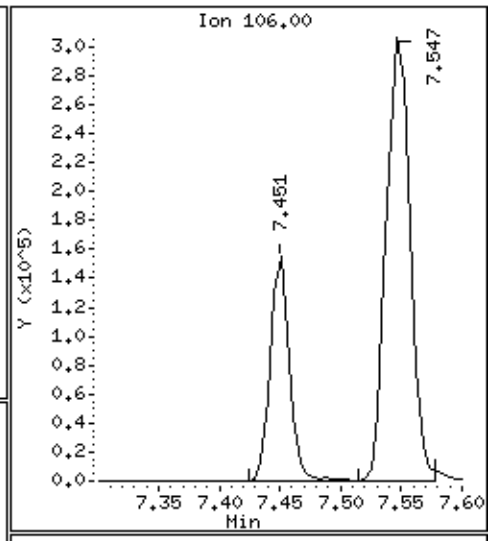
Column diameter: 0.18

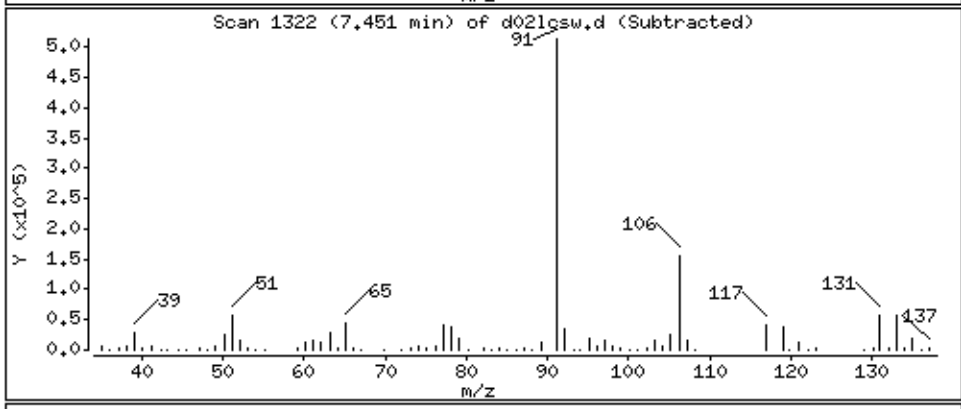
68 Ethylbenzene

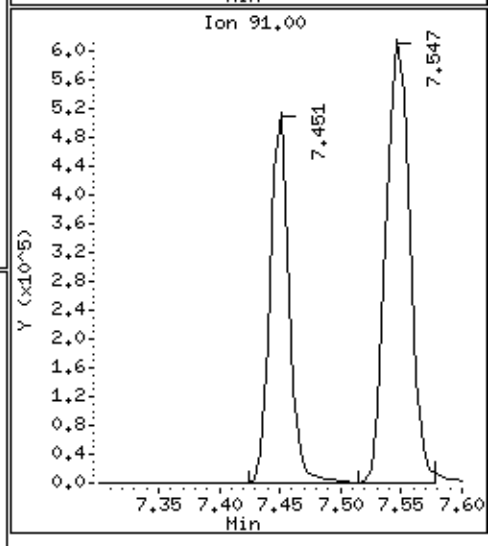
Concentration: 50.5 ppb

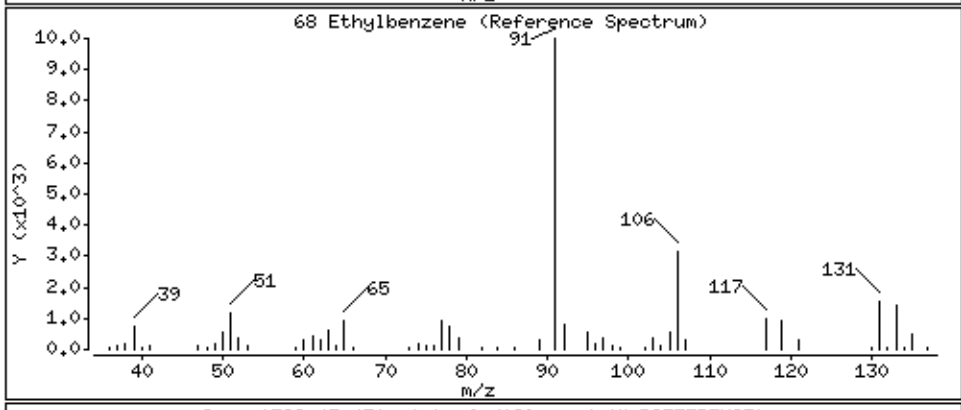
Review Code:

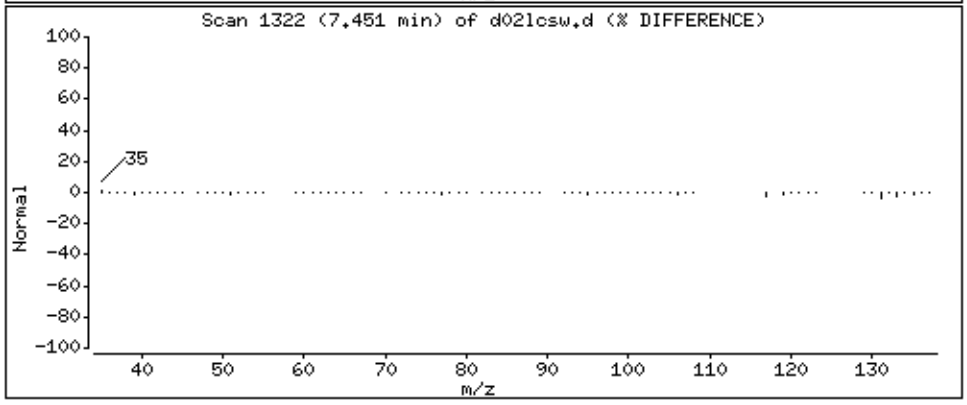












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

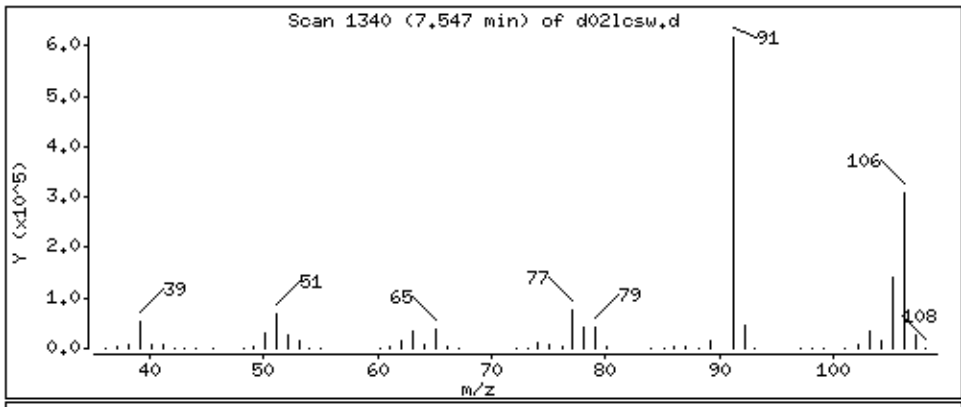
Column phase: DB-624

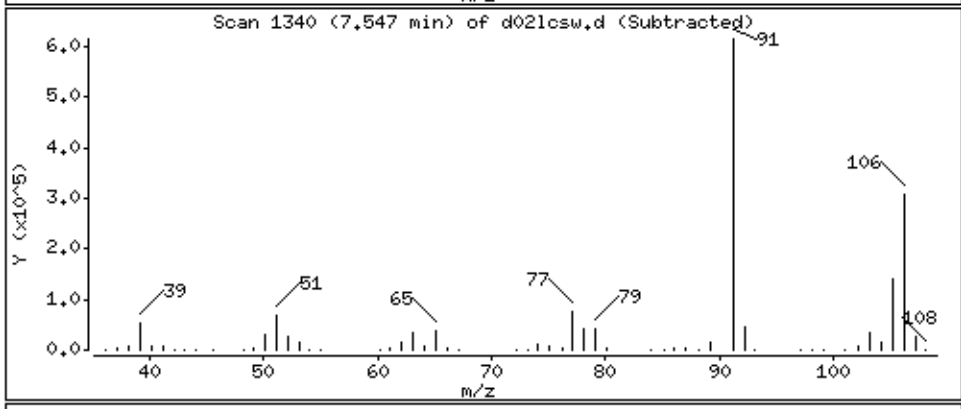
Column diameter: 0.18

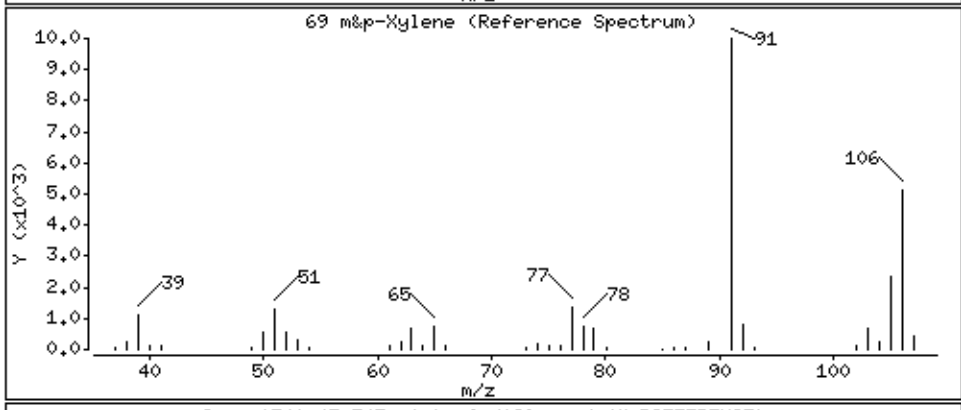
69 m&p-Xylene

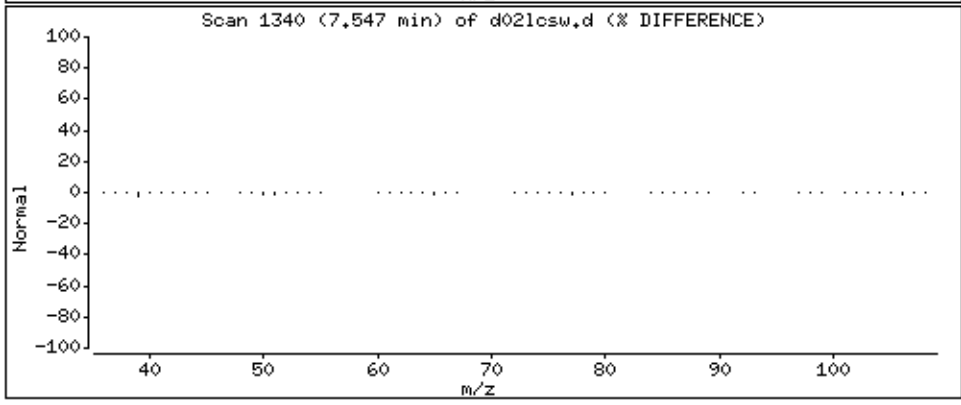
Concentration: 102 ppb

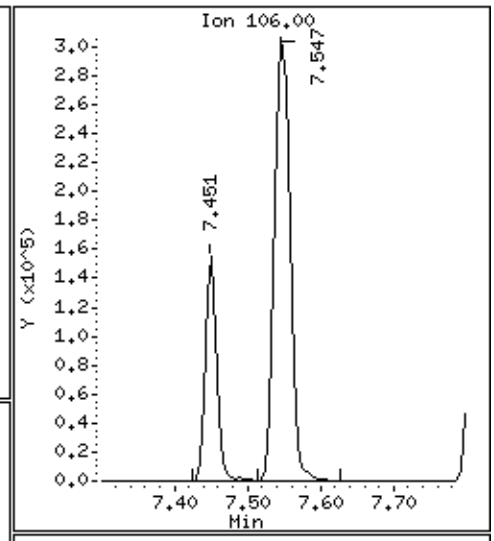
Review Code:

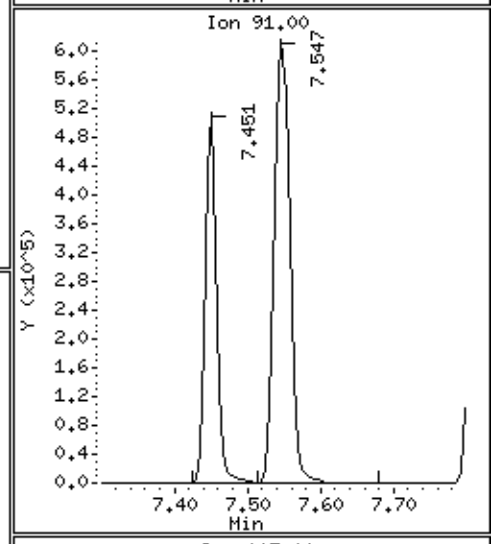


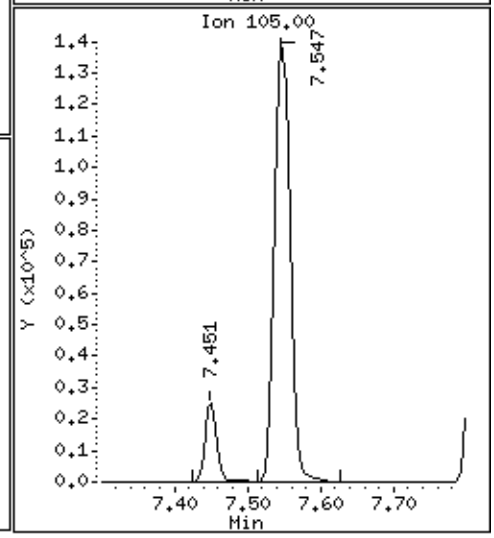












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

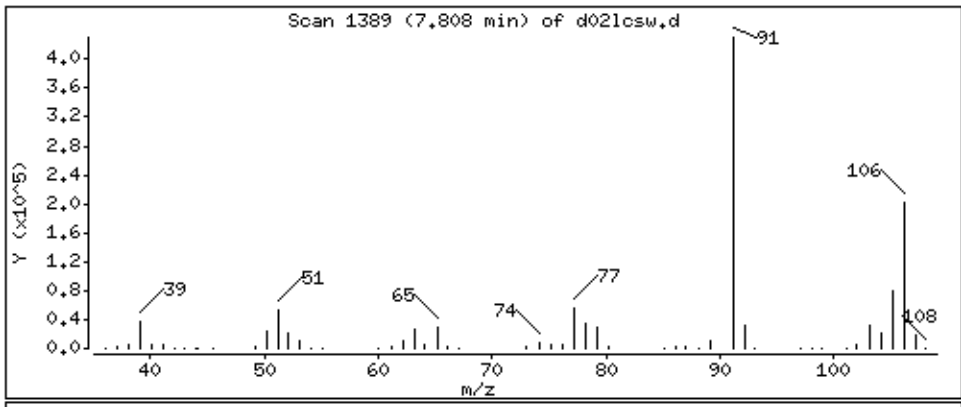
Column phase: DB-624

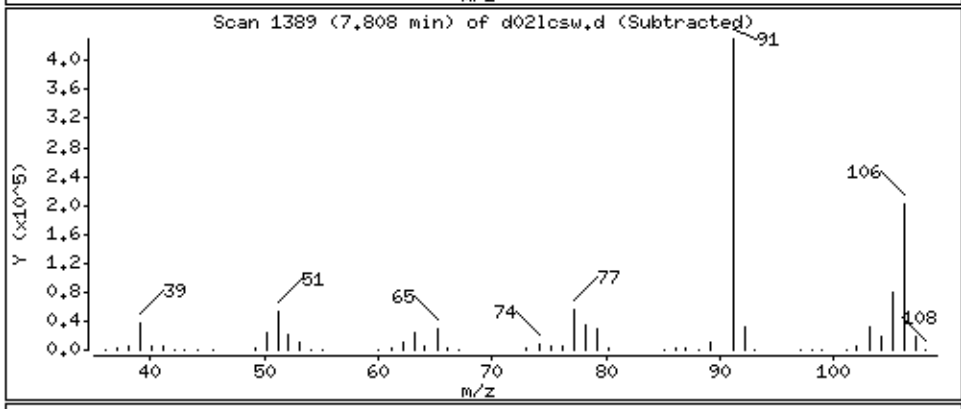
Column diameter: 0.18

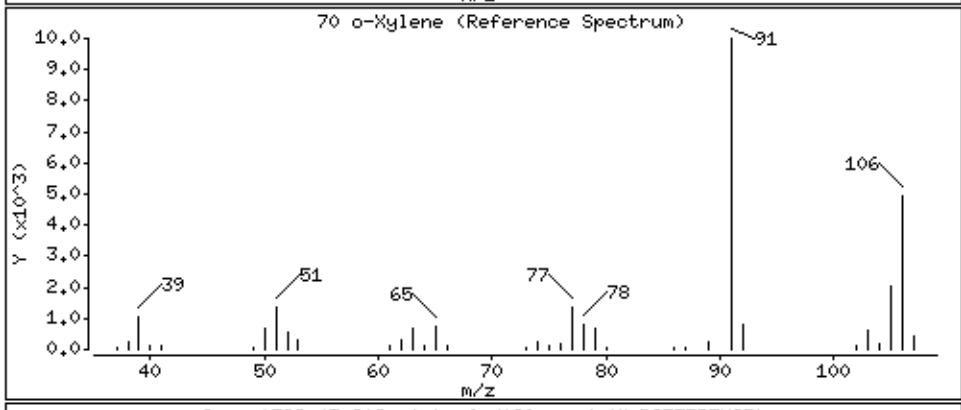
70 o-Xylene

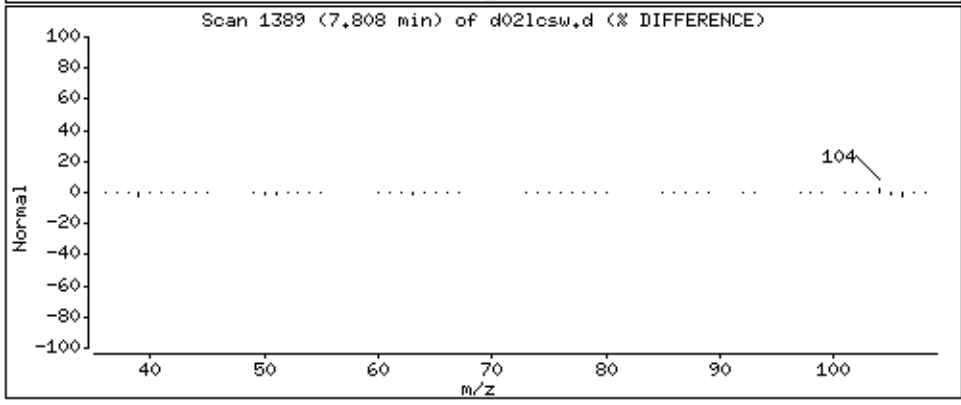
Concentration: 52.5 ppb

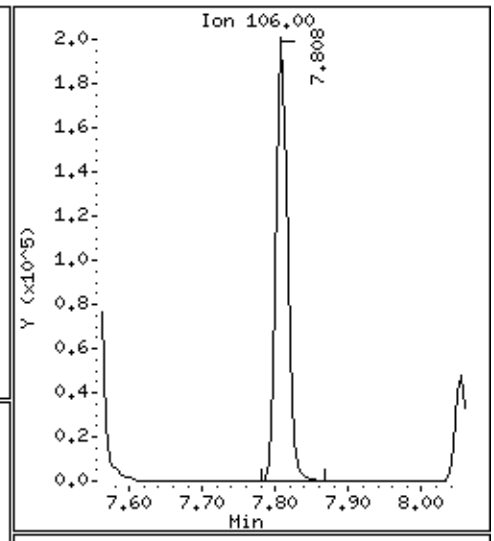
Review Code:

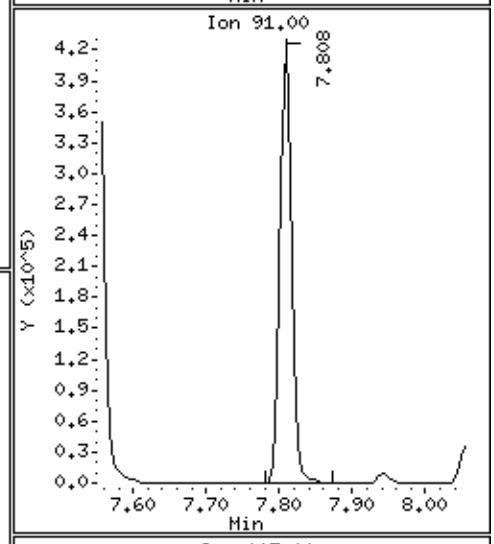


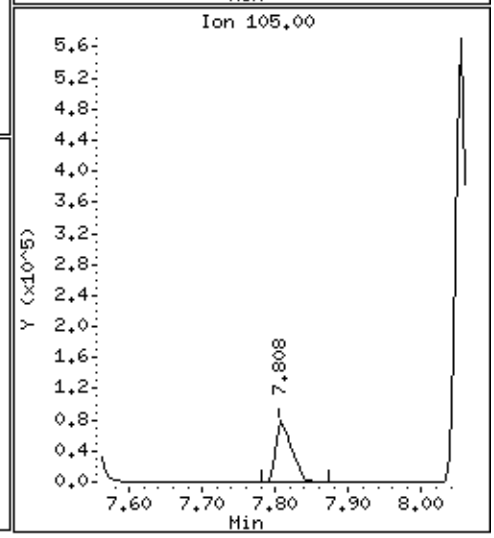












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

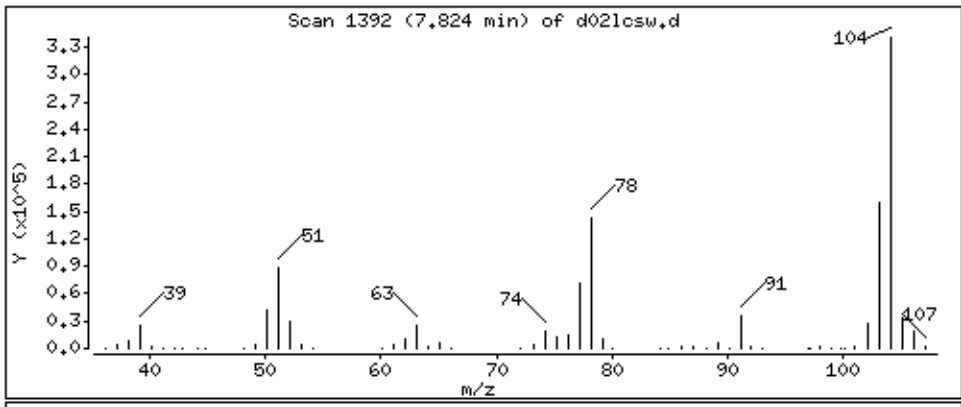
Column phase: DB-624

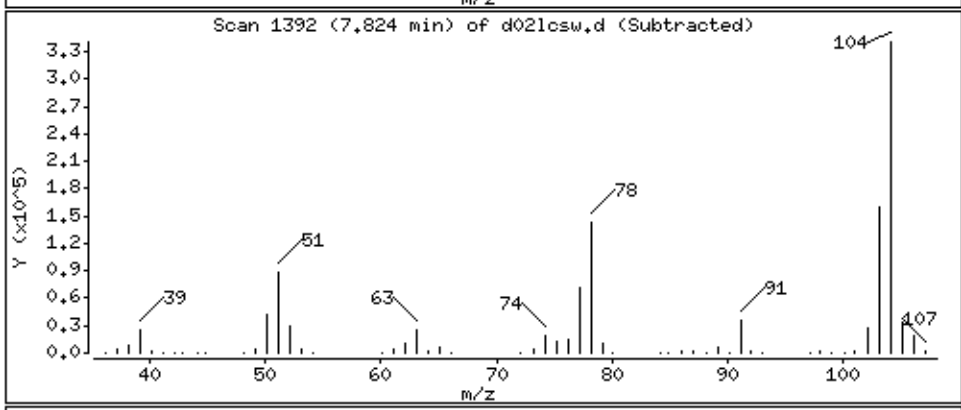
Column diameter: 0.18

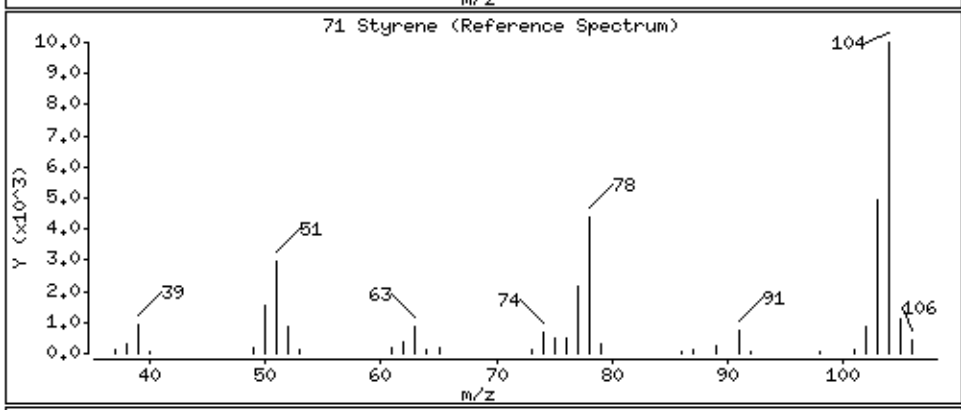
71 Styrene

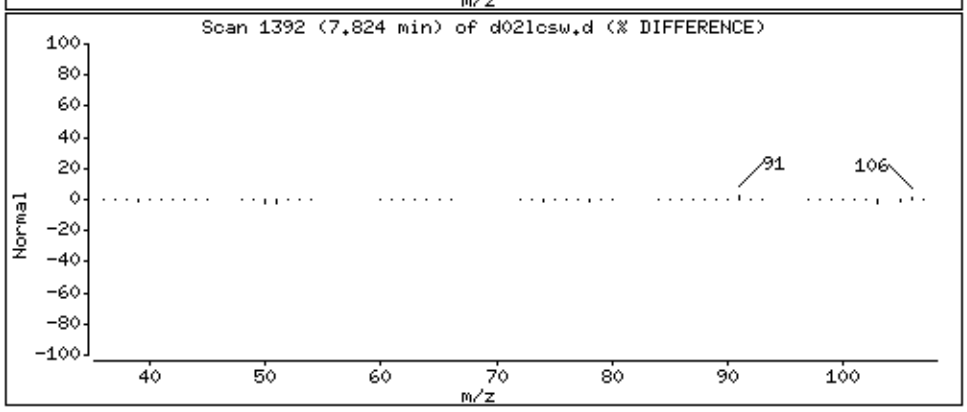
Concentration: 55.1 ppb

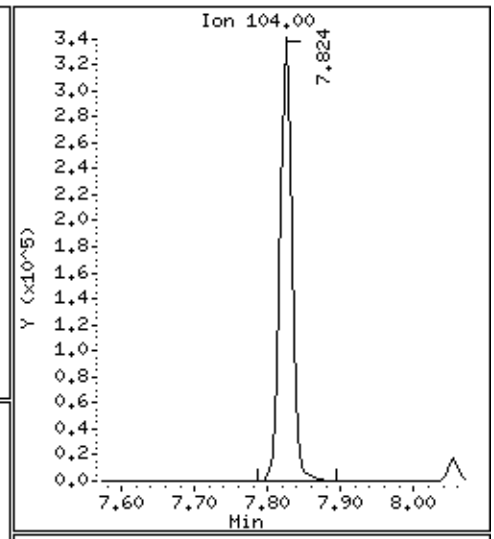
Review Code:

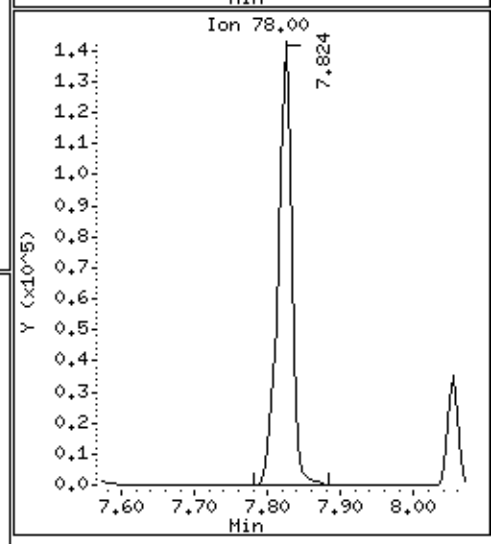












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

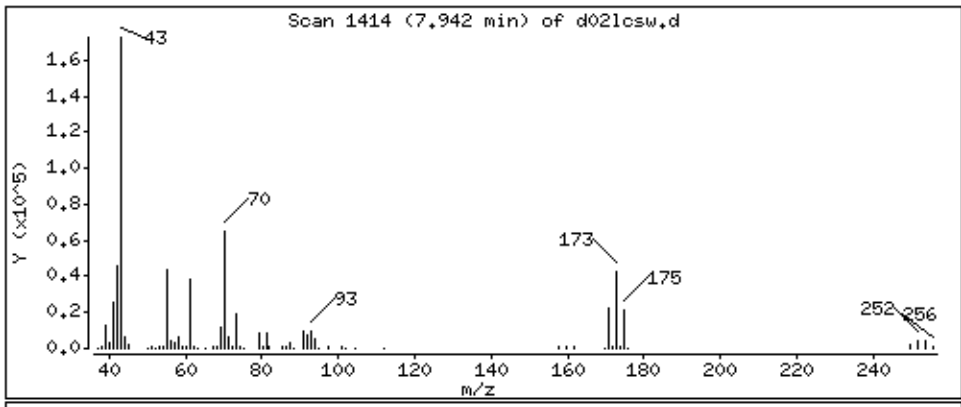
Column phase: DB-624

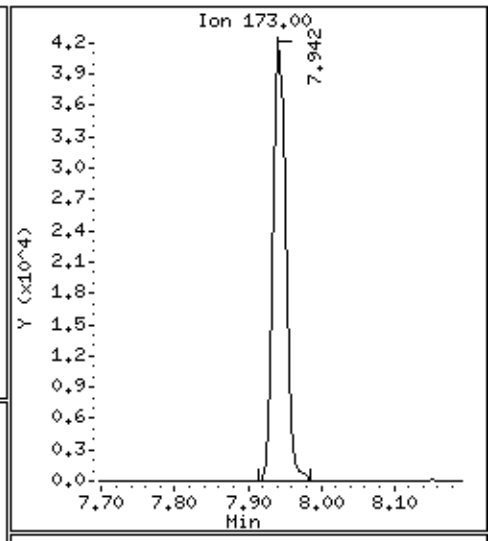
Column diameter: 0.18

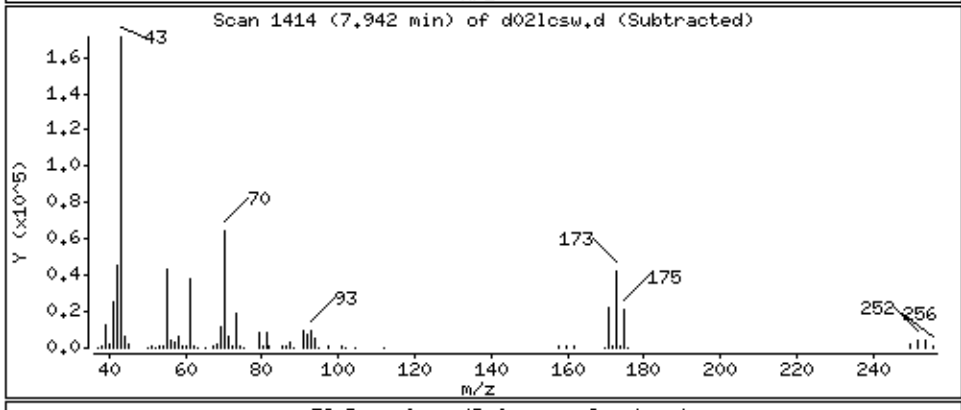
72 Bromoform

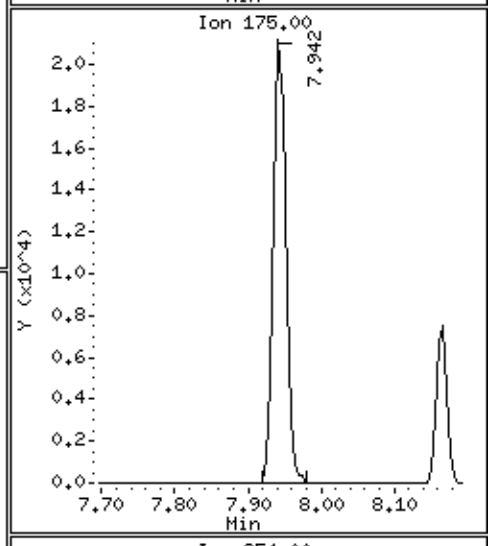
Concentration: 50.6 ppb

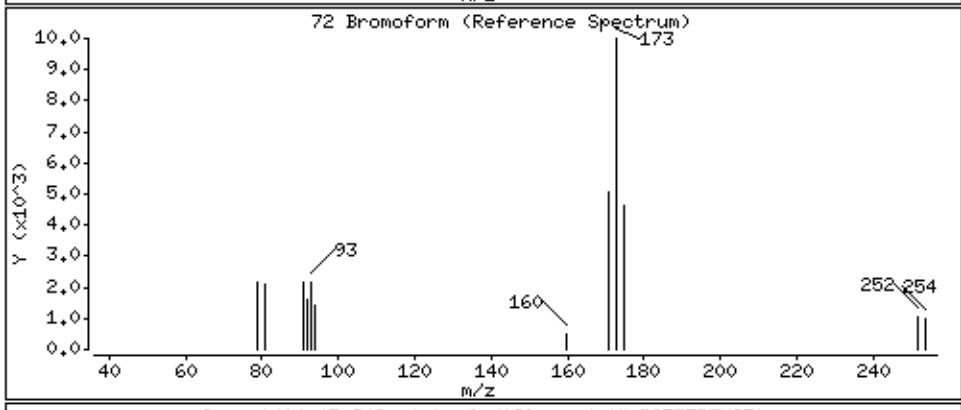
Review Code:

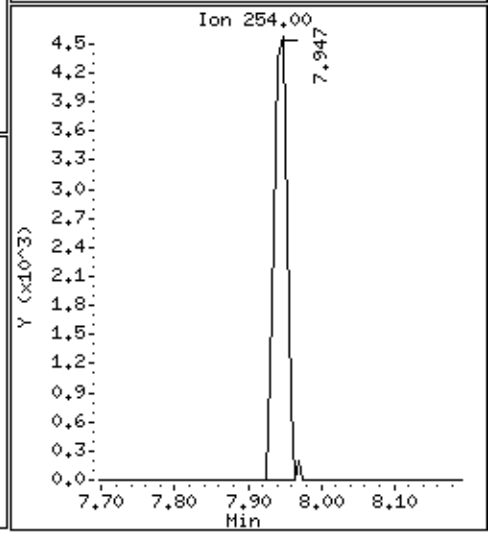


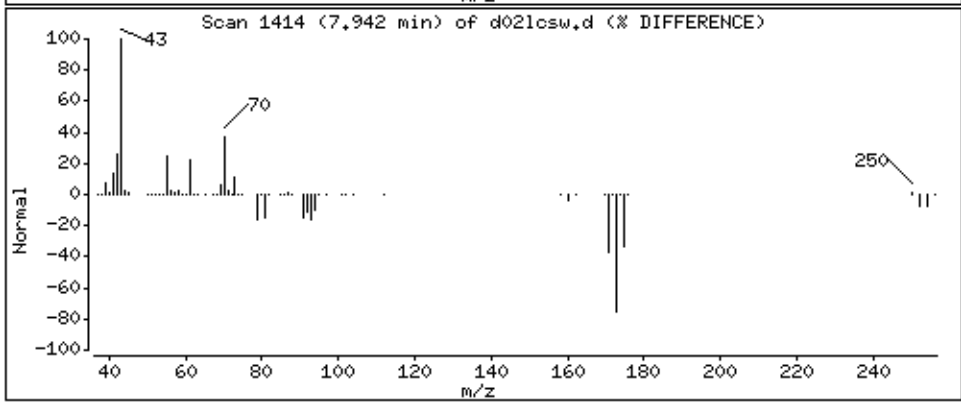












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

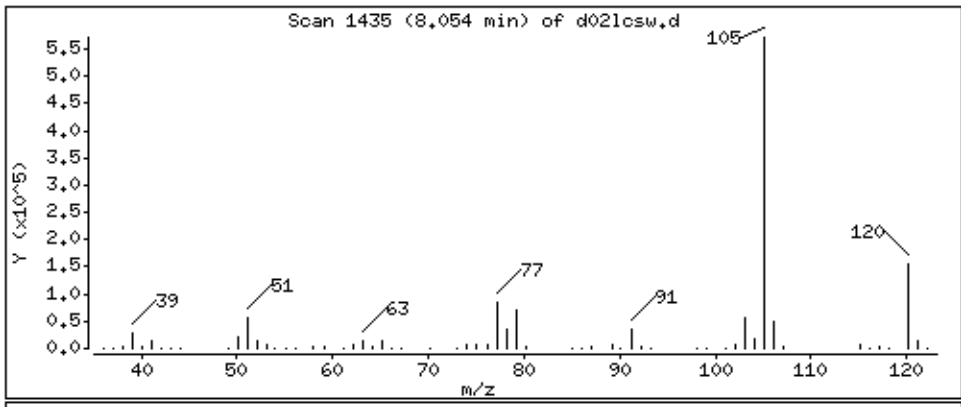
Column phase: DB-624

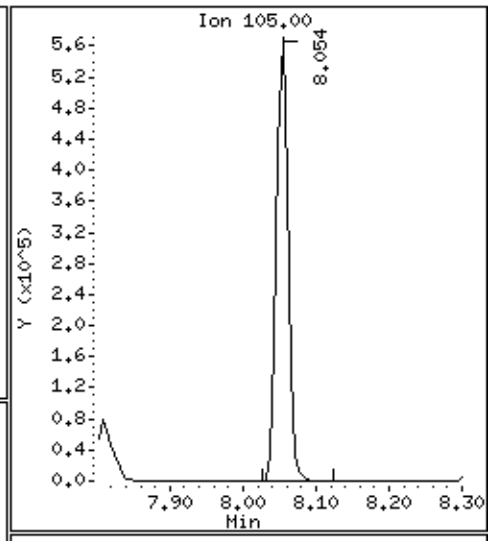
Column diameter: 0.18

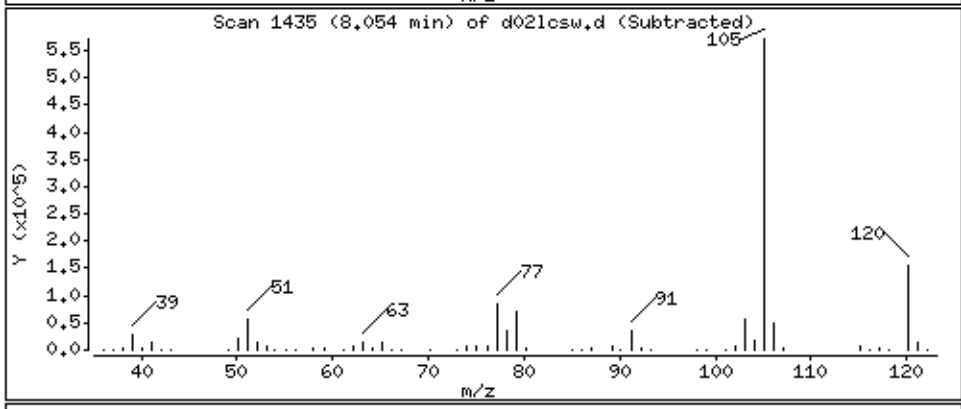
73 Isopropylbenzene

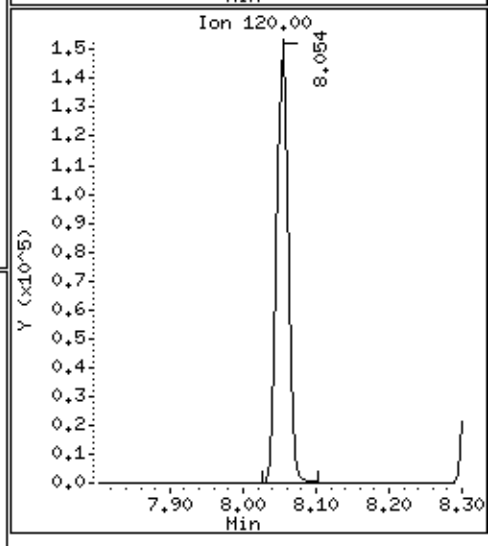
Concentration: 51.9 ppb

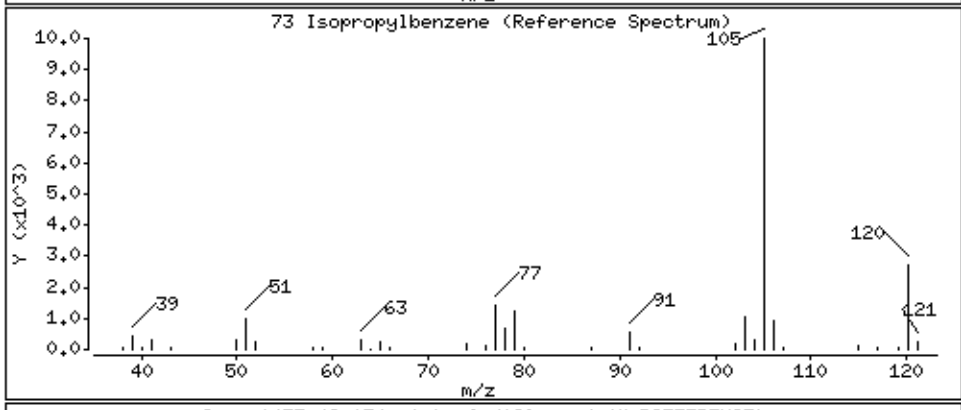
Review Code:

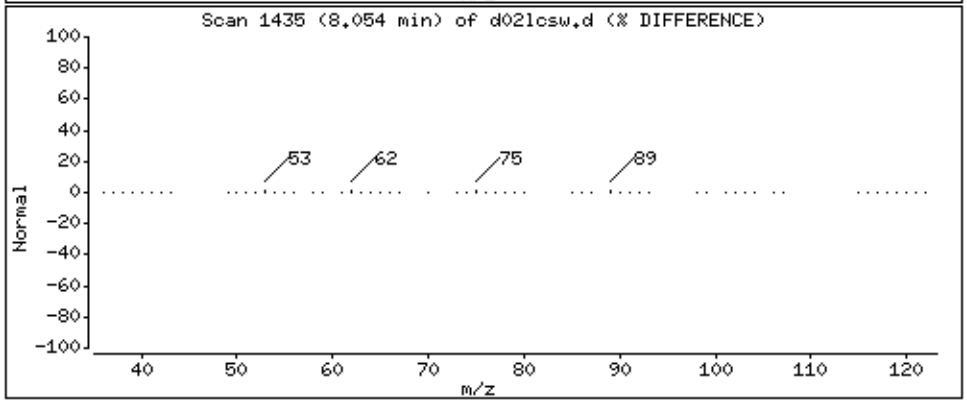












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

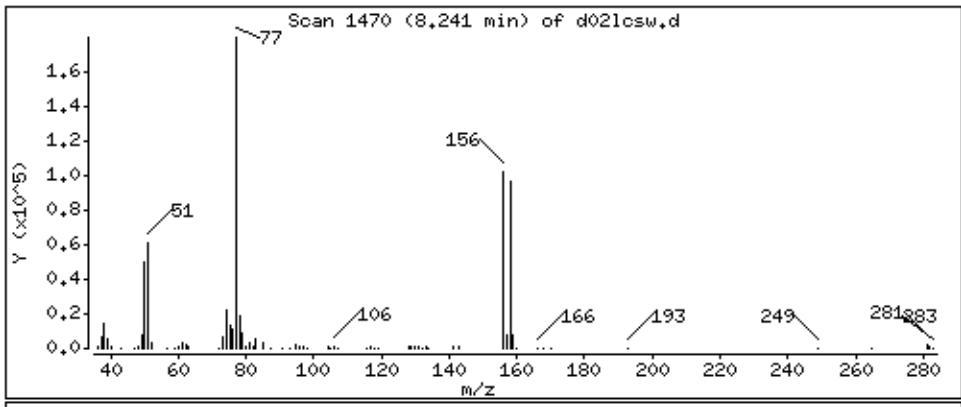
Column phase: DB-624

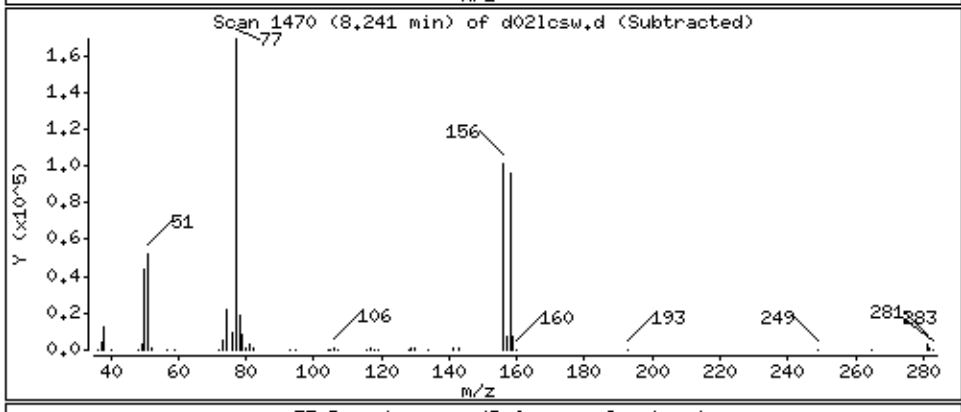
Column diameter: 0.18

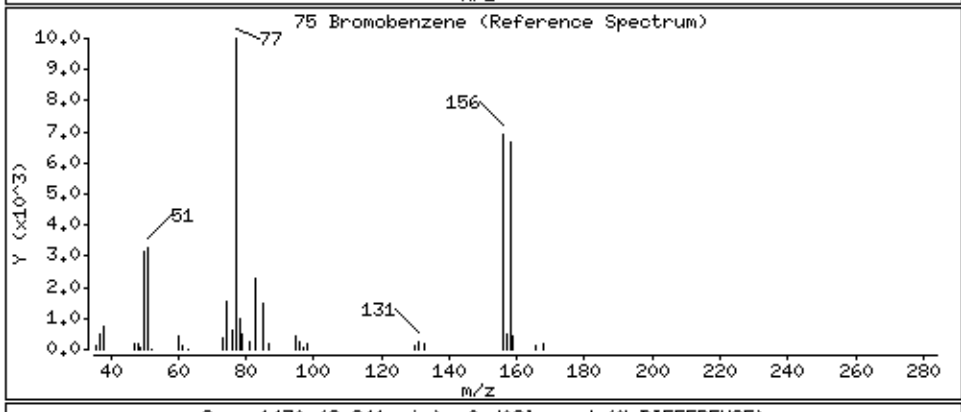
75 Bromobenzene

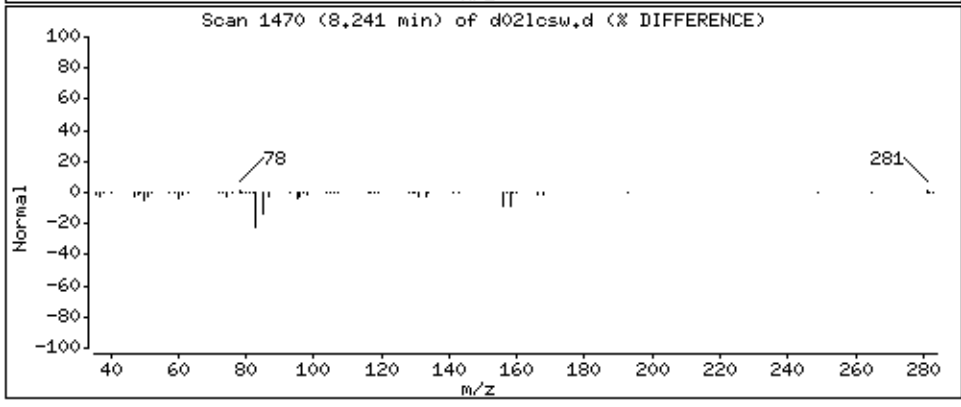
Concentration: 50.9 ppb

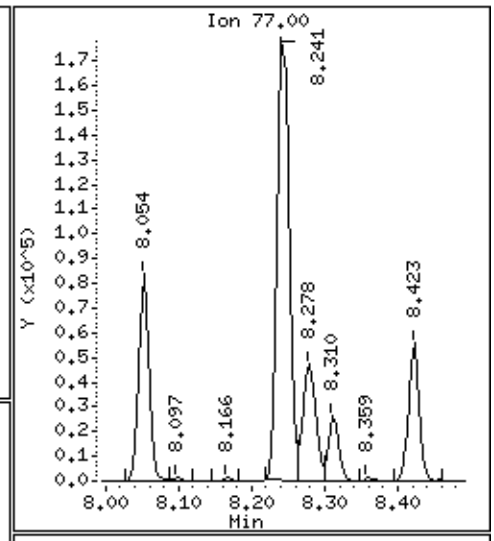
Review Code:

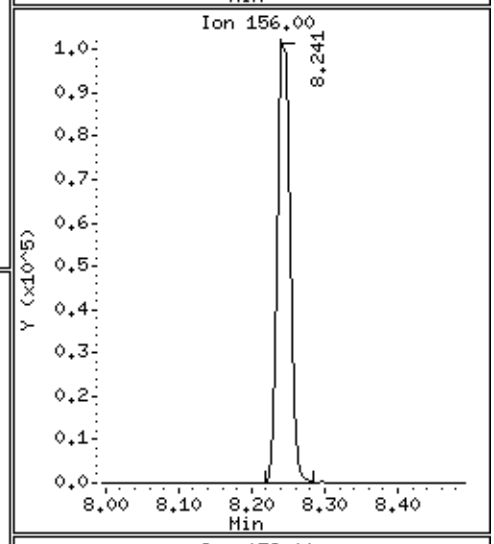


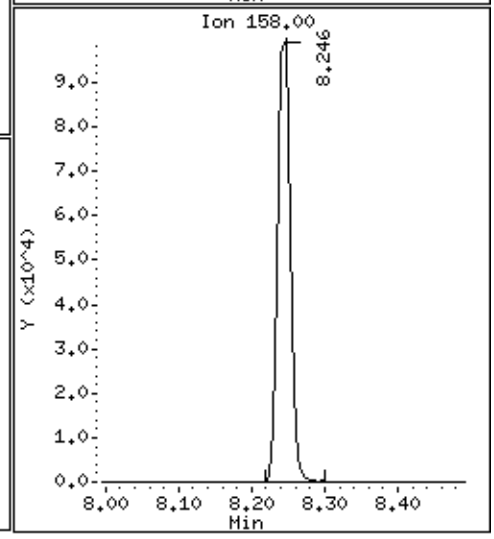












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

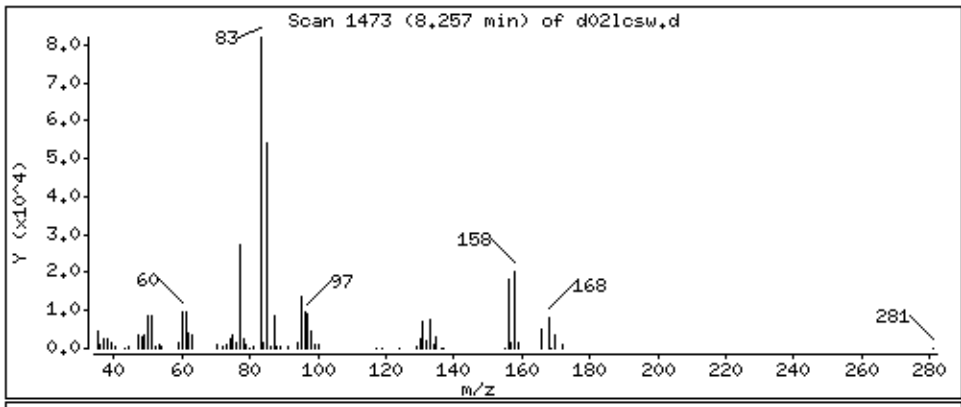
Column phase: DB-624

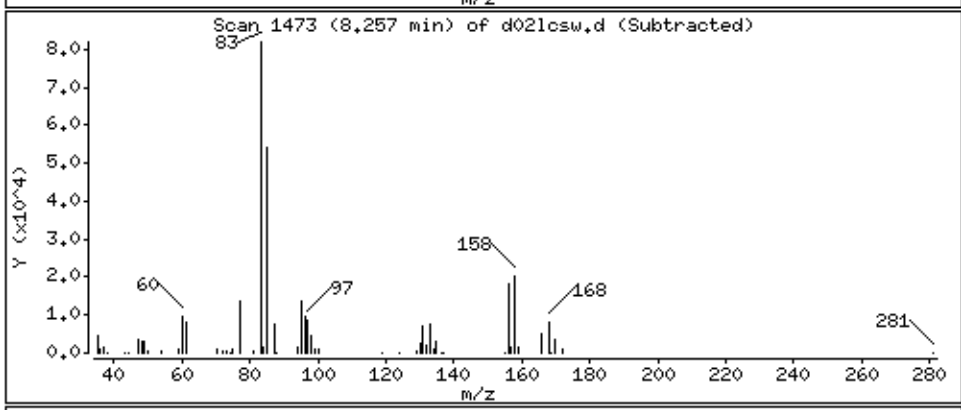
Column diameter: 0.18

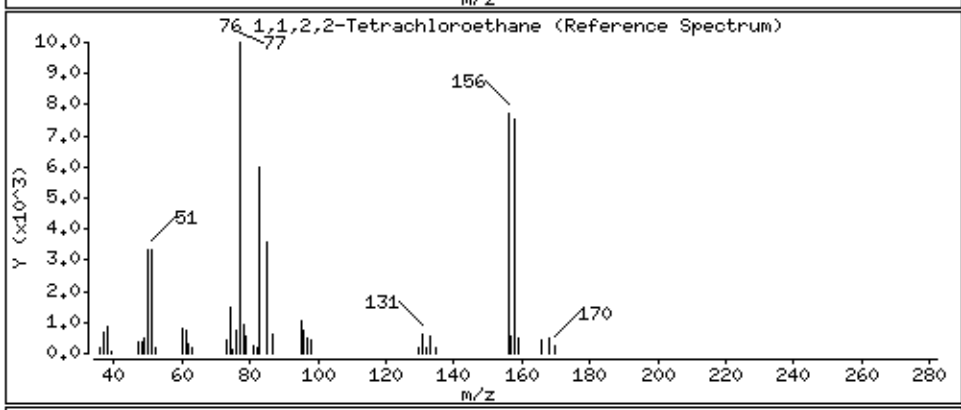
76 1,1,2,2-Tetrachloroethane

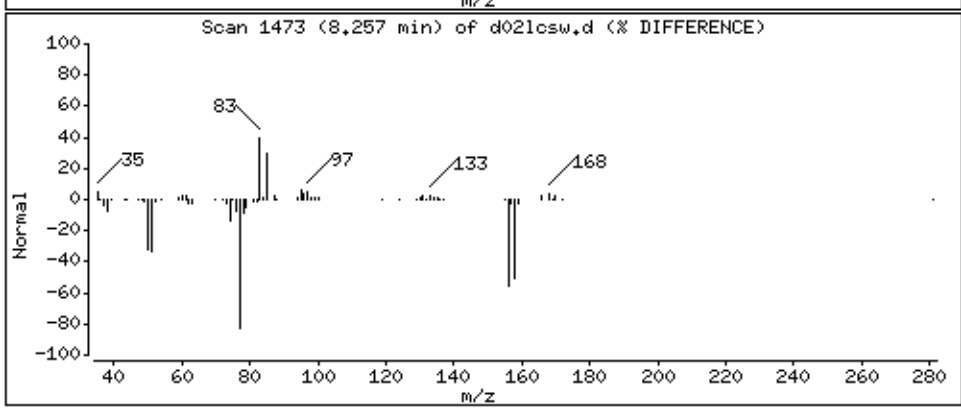
Concentration: 53.4 ppb

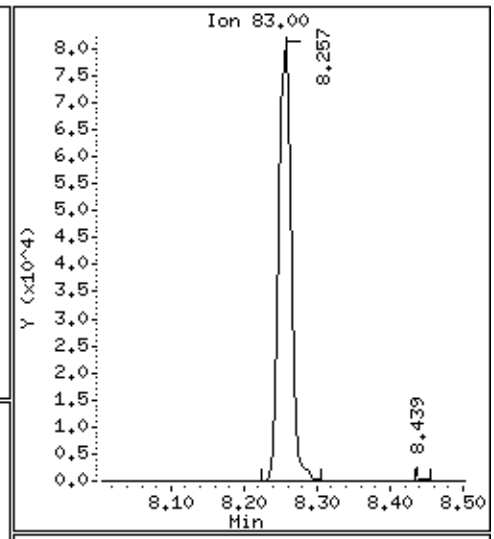
Review Code:

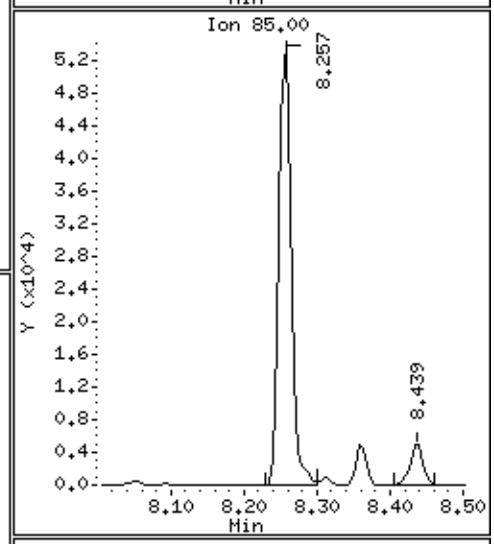


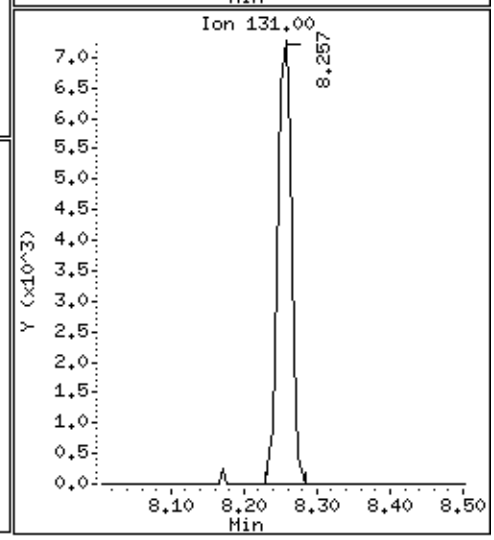












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

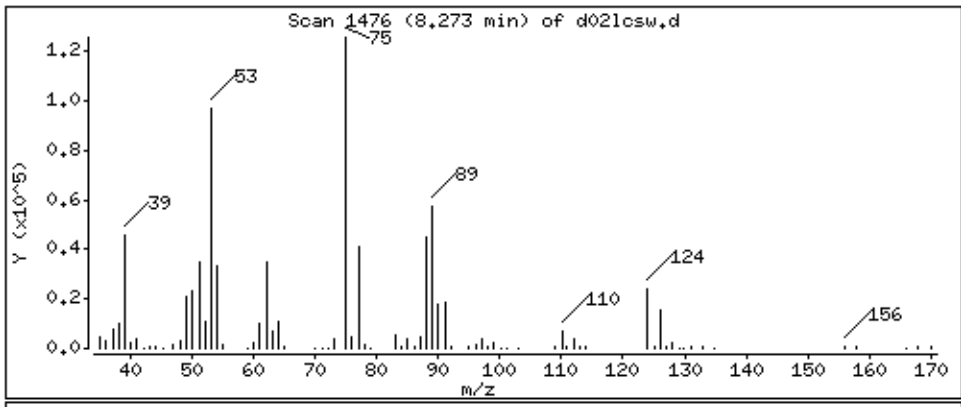
Column phase: DB-624

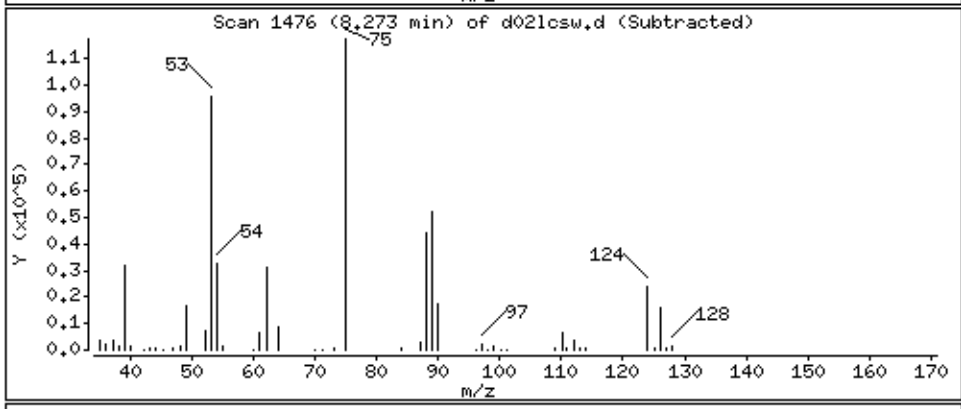
Column diameter: 0.18

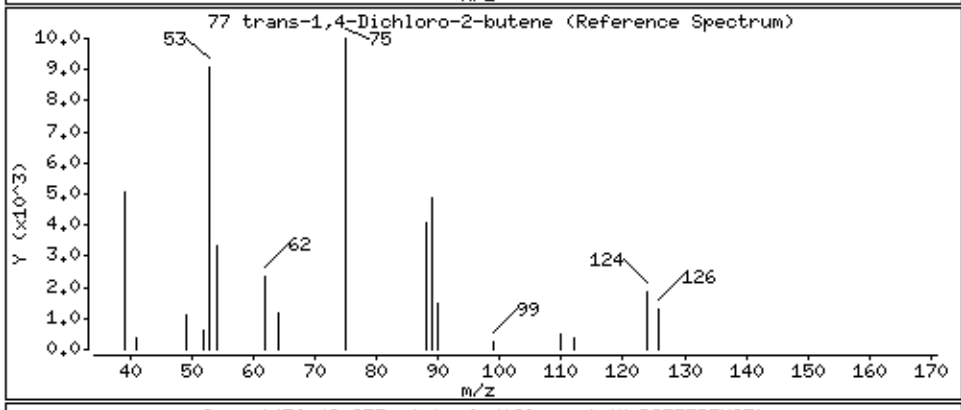
77 trans-1,4-Dichloro-2-butene

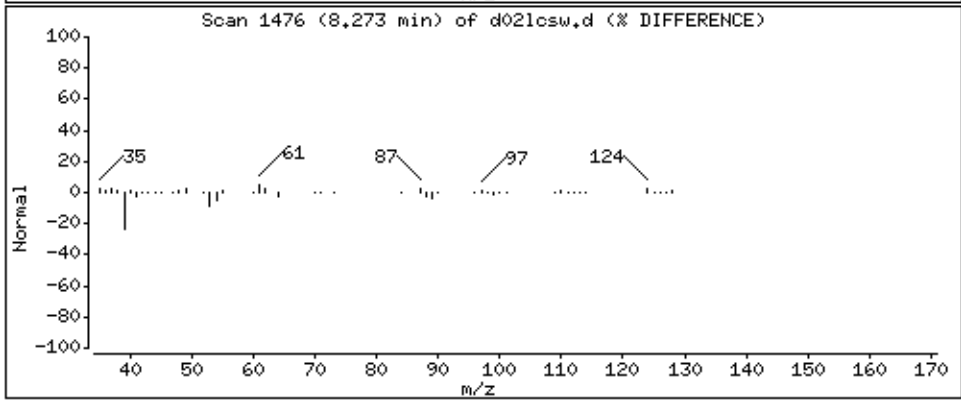
Concentration: 201 ppb

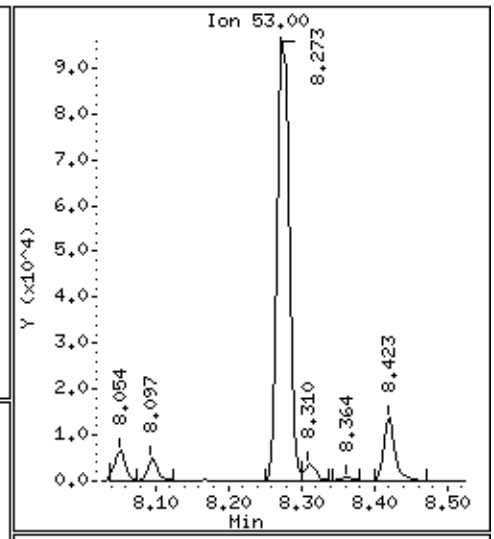
Review Code:

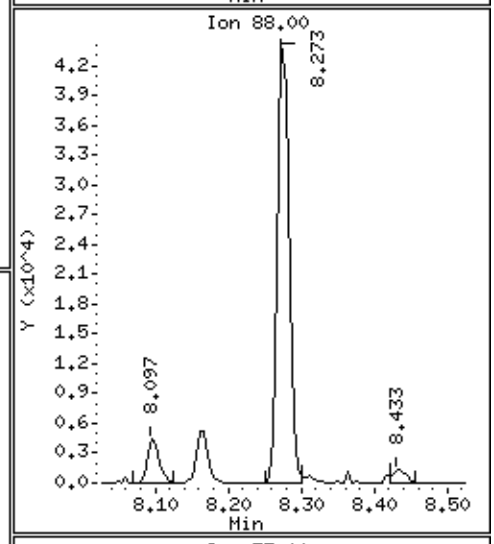


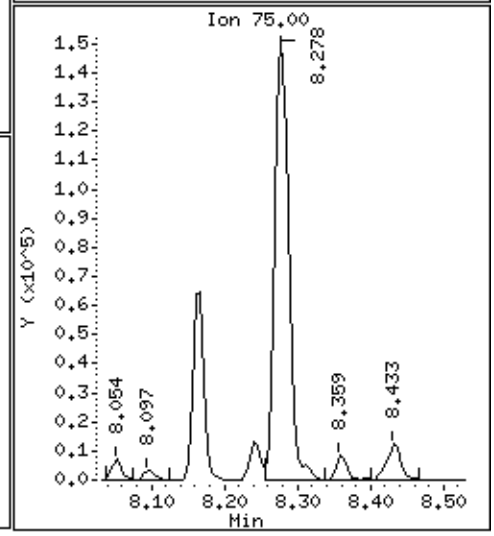












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

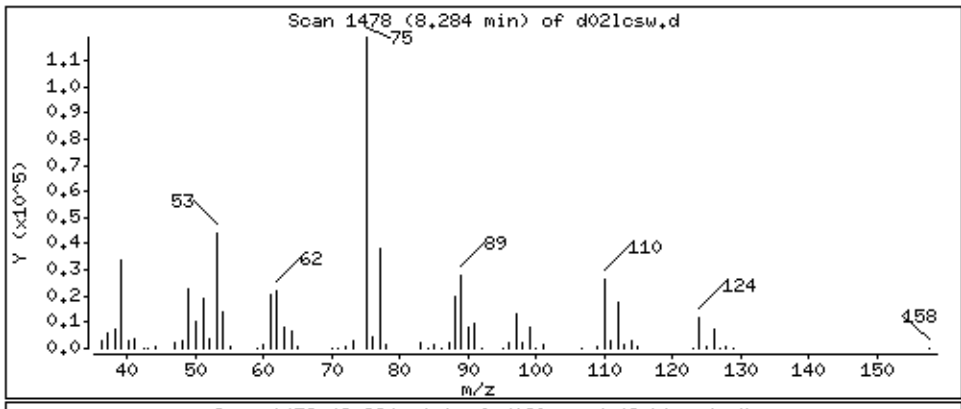
Column phase: DB-624

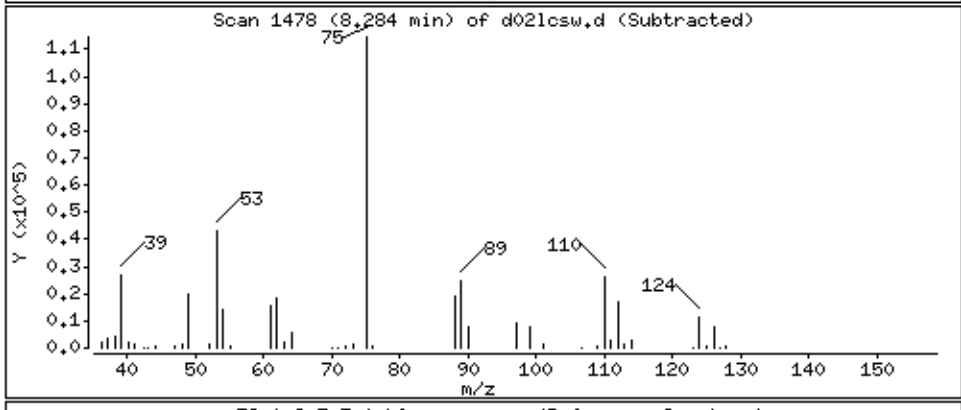
Column diameter: 0.18

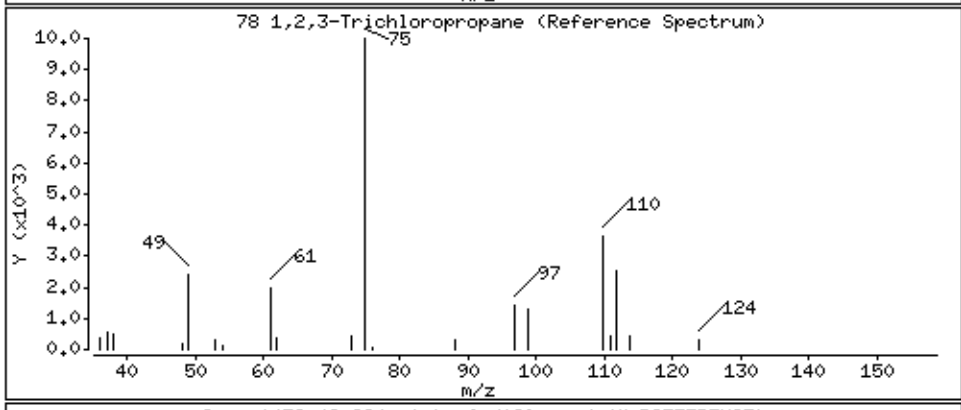
78 1,2,3-Trichloropropane

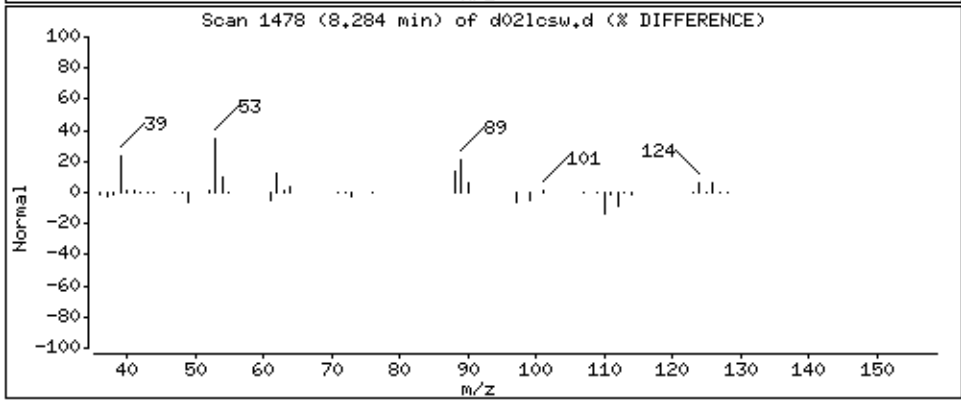
Concentration: 56.5 ppb

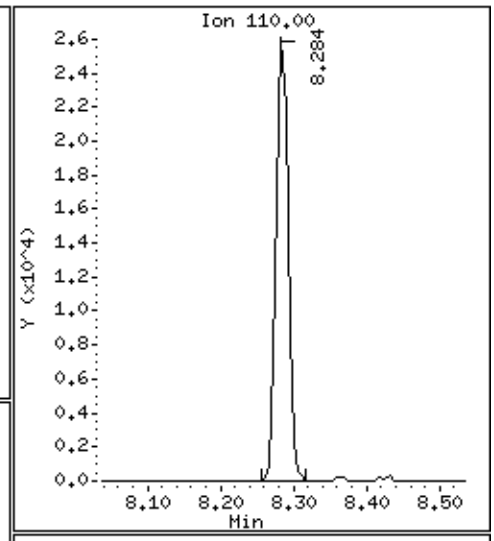
Review Code:

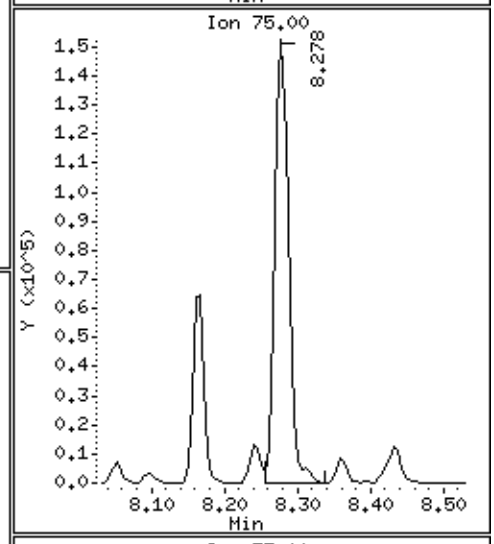


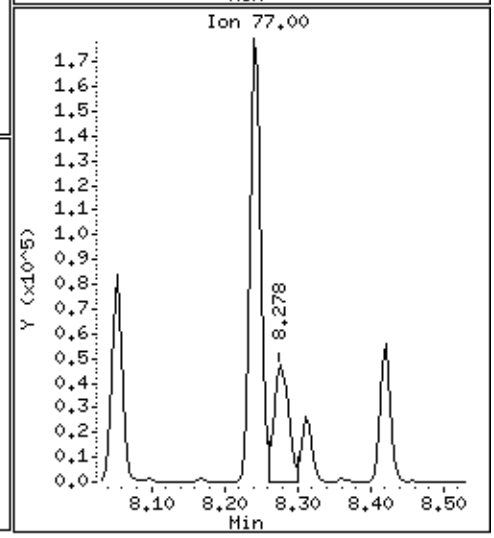












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

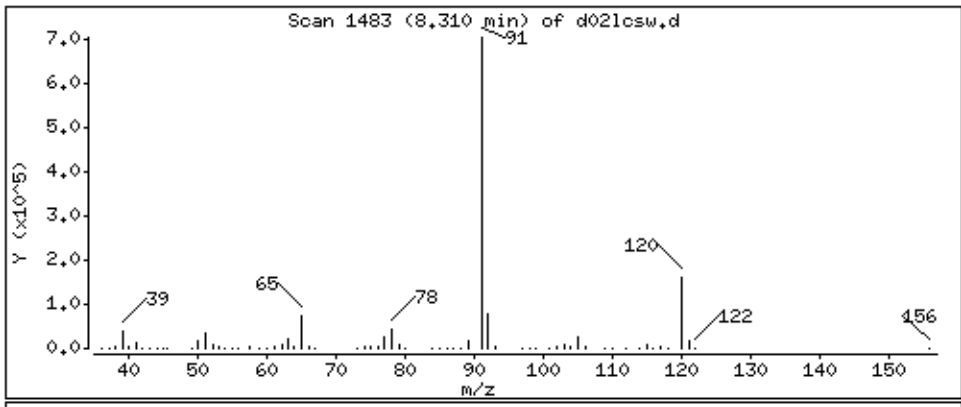
Column phase: DB-624

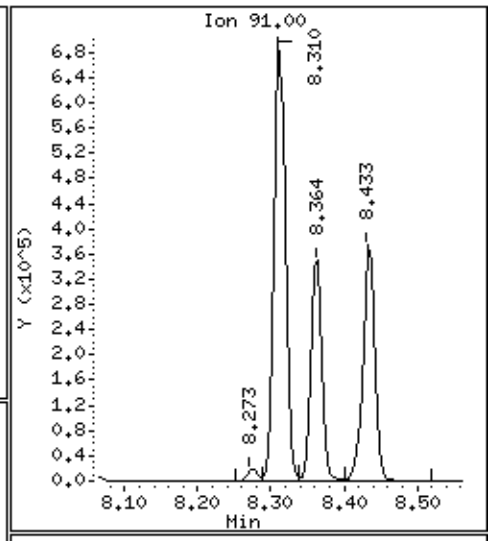
Column diameter: 0.18

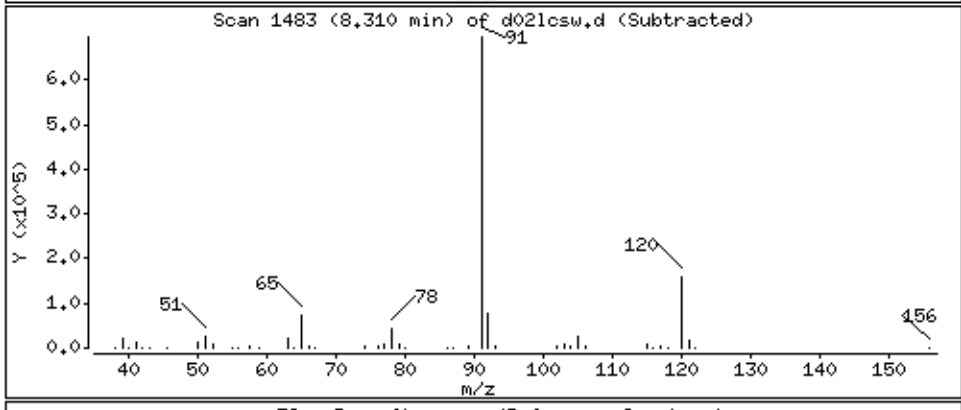
79 n-Propylbenzene

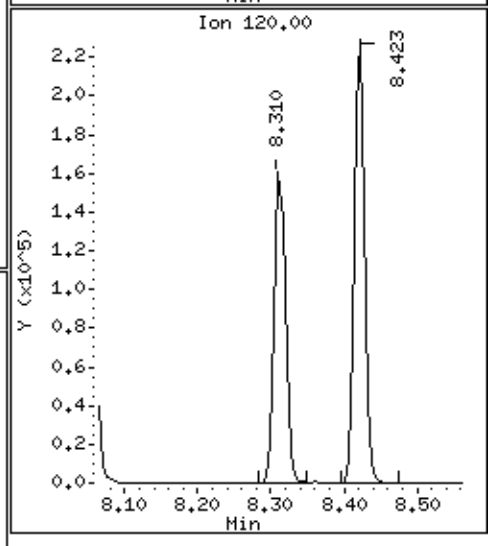
Concentration: 53.8 ppb

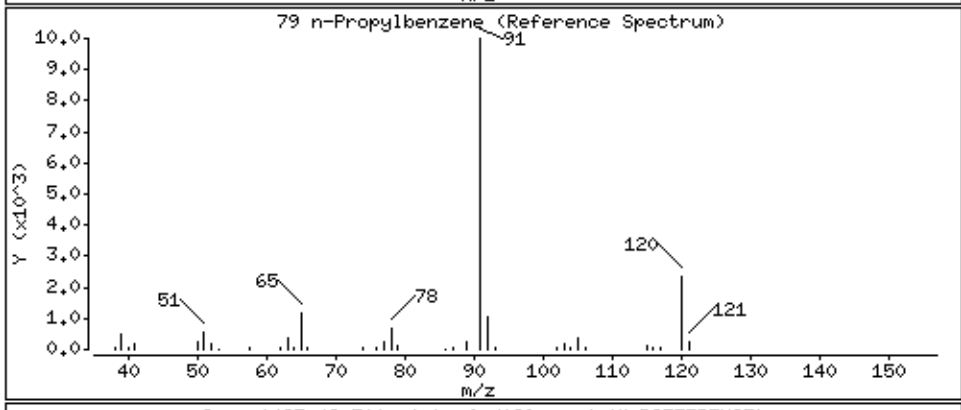
Review Code:

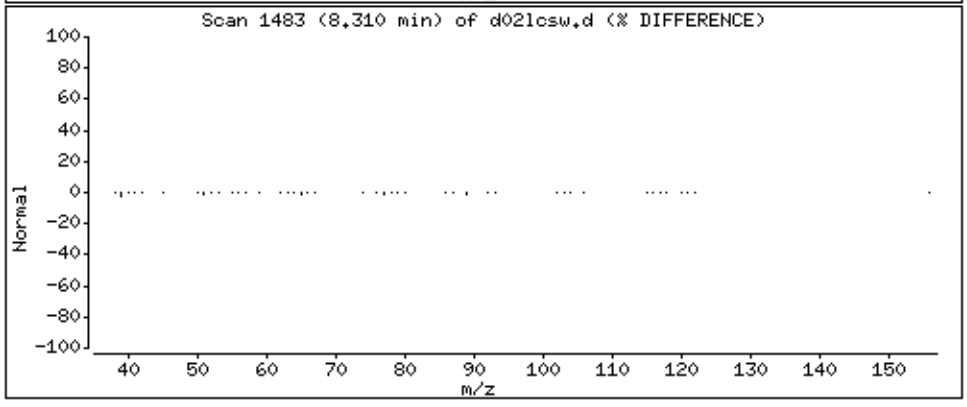












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

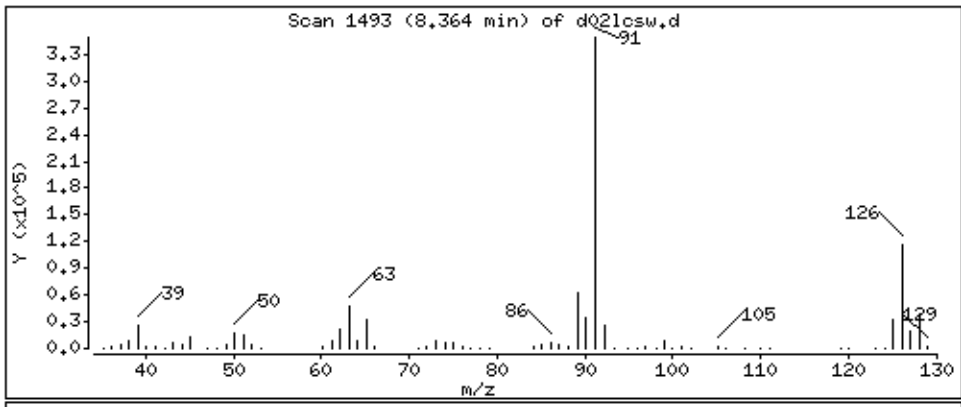
Column phase: DB-624

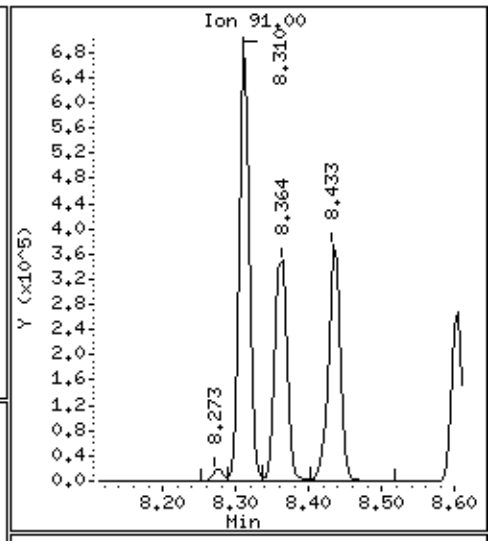
Column diameter: 0.18

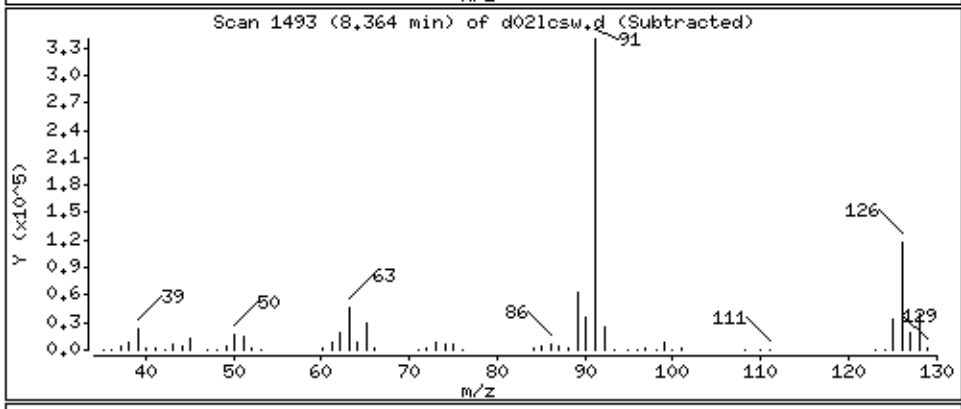
80 2-Chlorotoluene

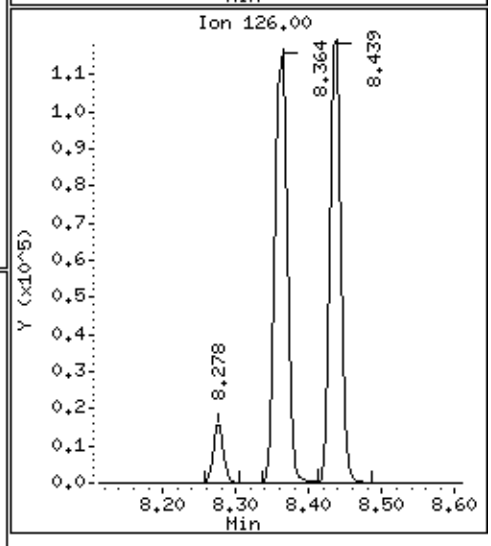
Concentration: 53.0 ppb

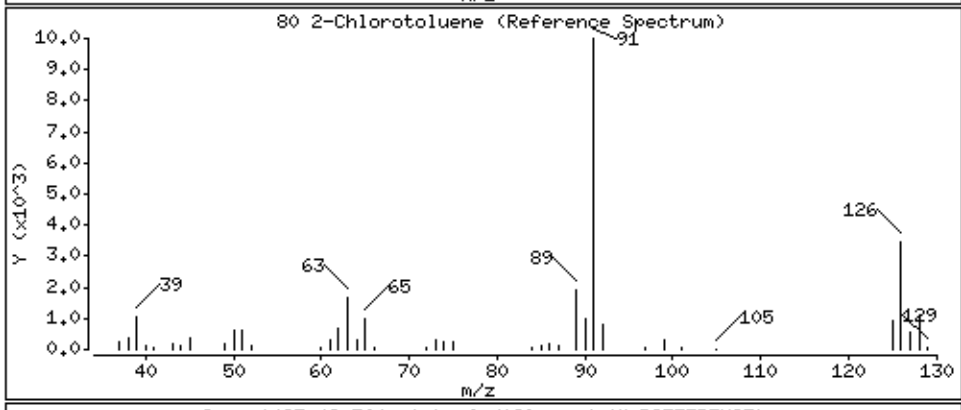
Review Code:

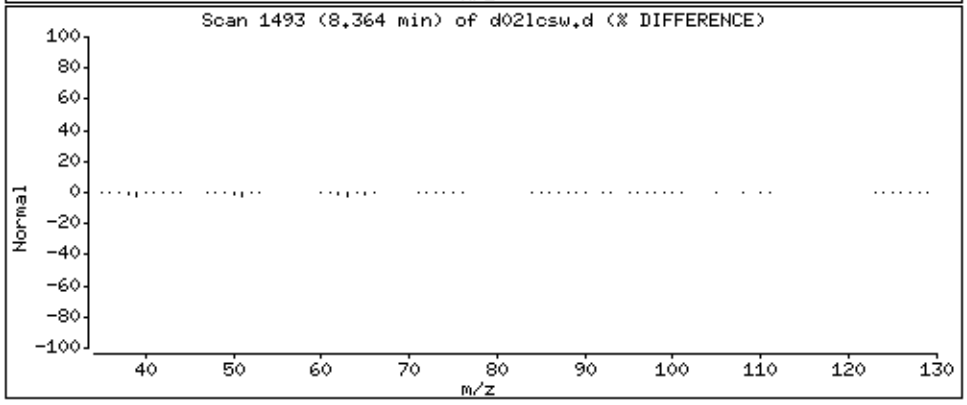












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

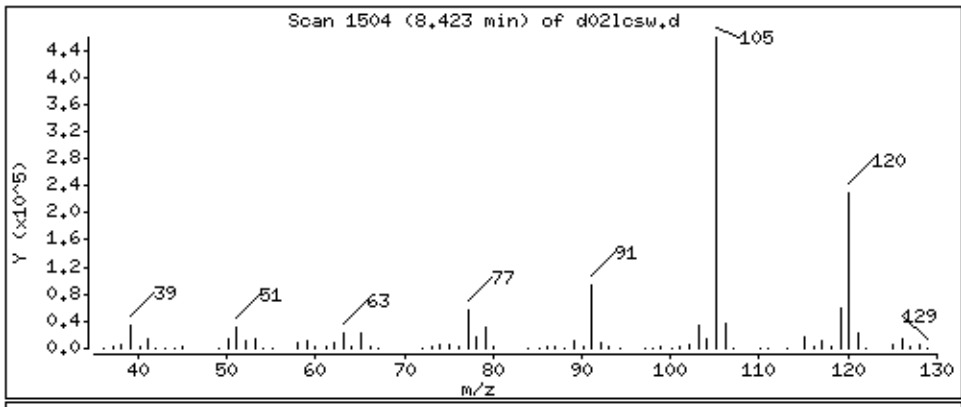
Column phase: DB-624

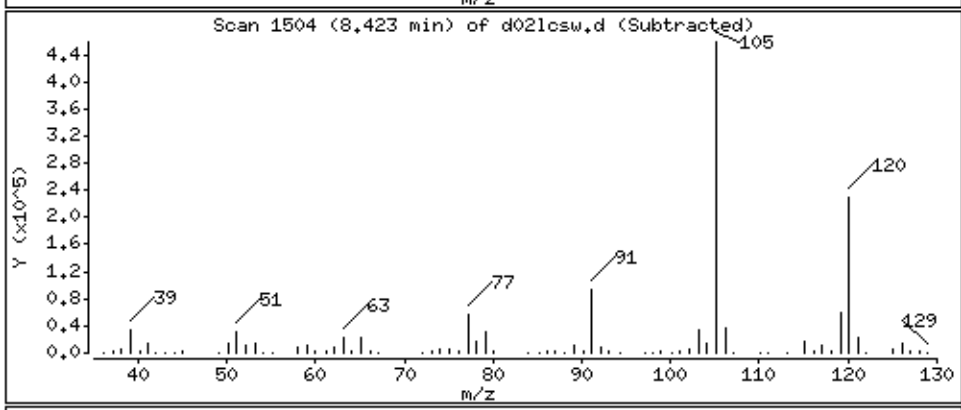
Column diameter: 0.18

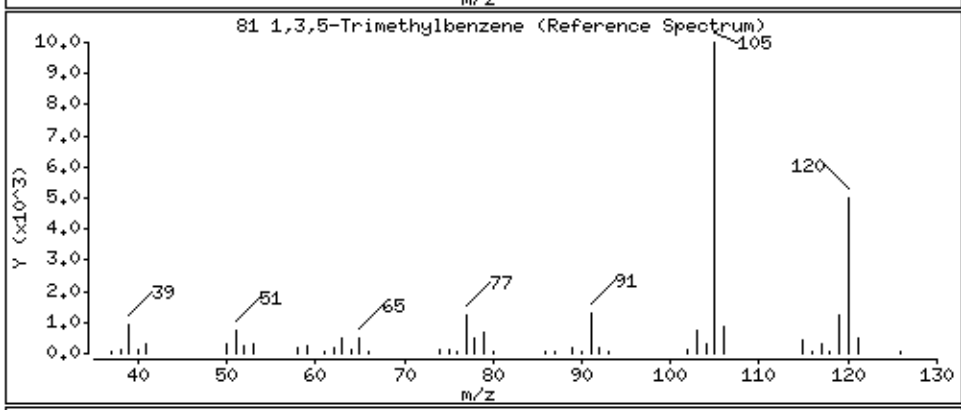
81 1,3,5-Trimethylbenzene

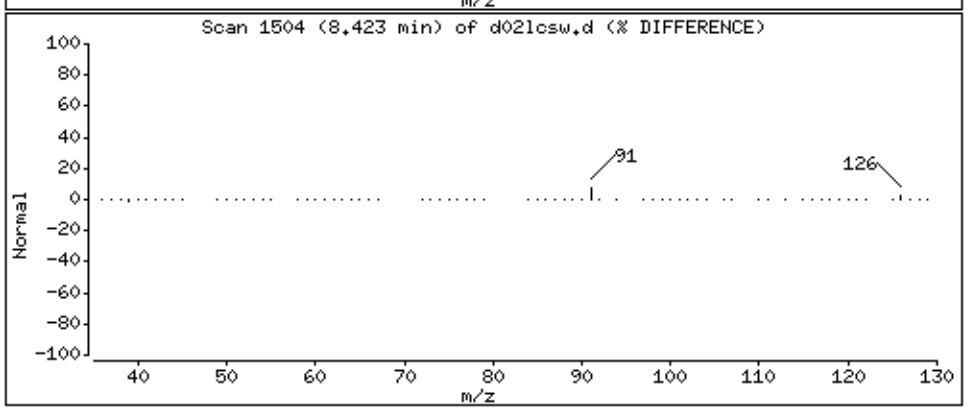
Concentration: 53.3 ppb

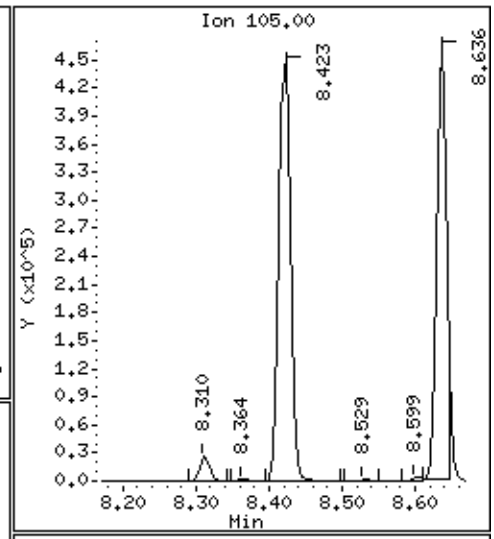
Review Code:

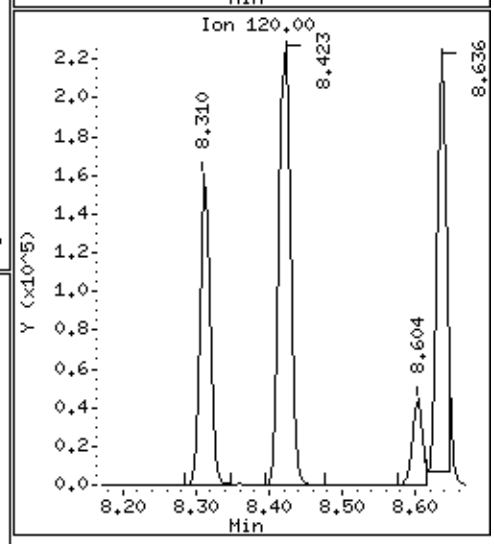












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

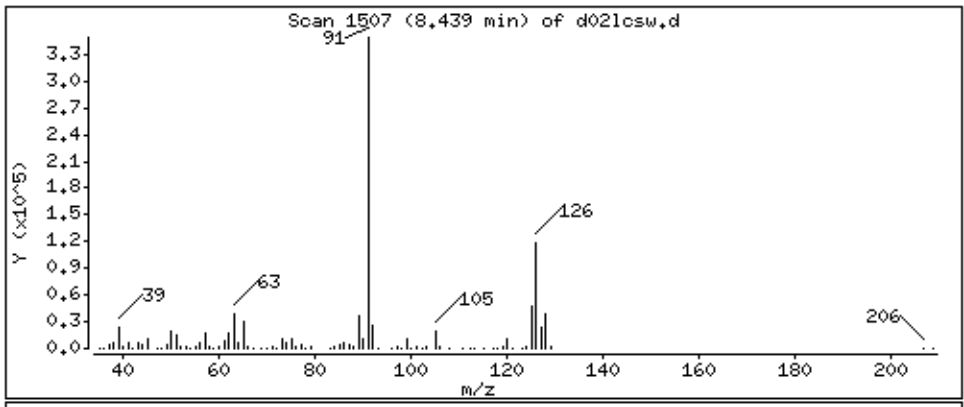
Column phase: DB-624

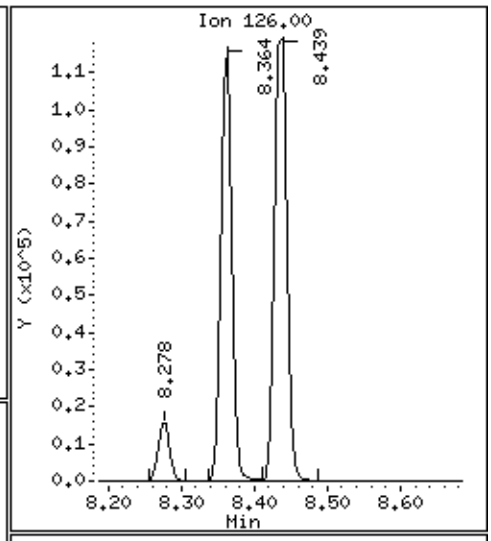
Column diameter: 0.18

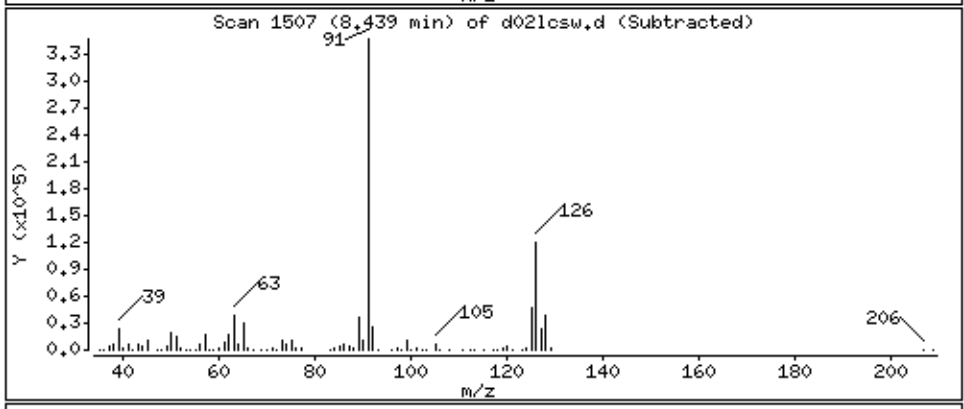
82 4-Chlorotoluene

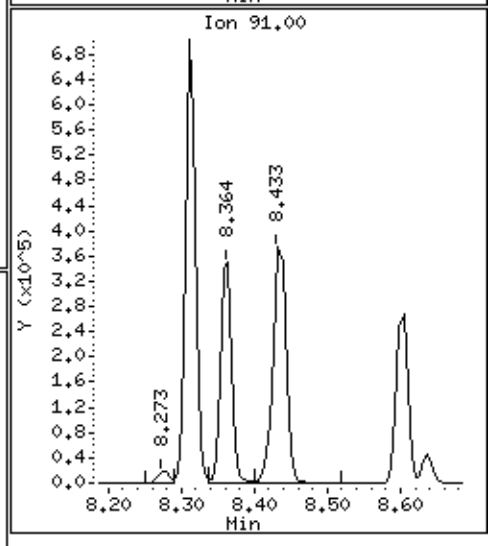
Concentration: 50.7 ppb

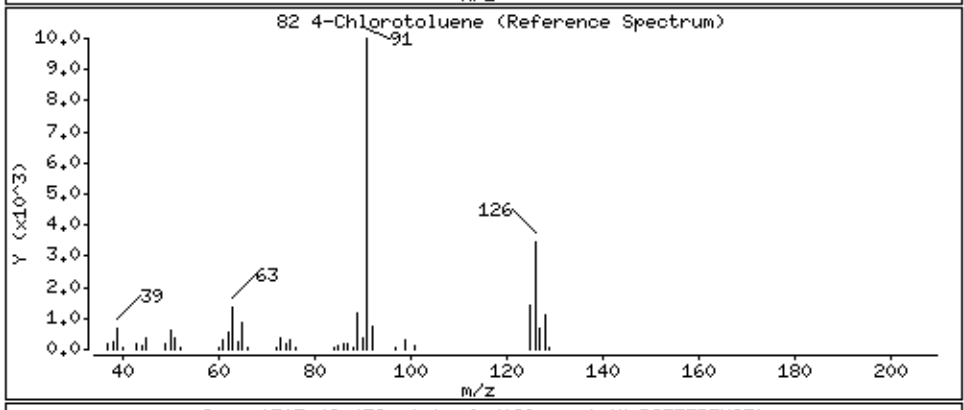
Review Code:

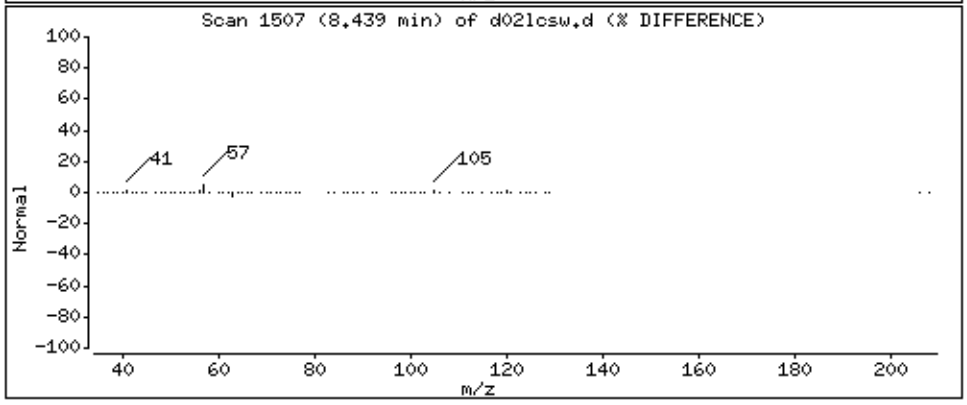












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

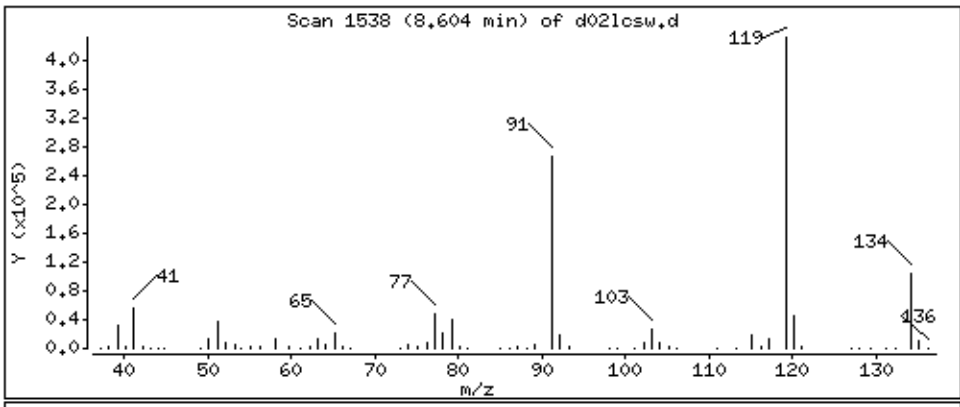
Column phase: DB-624

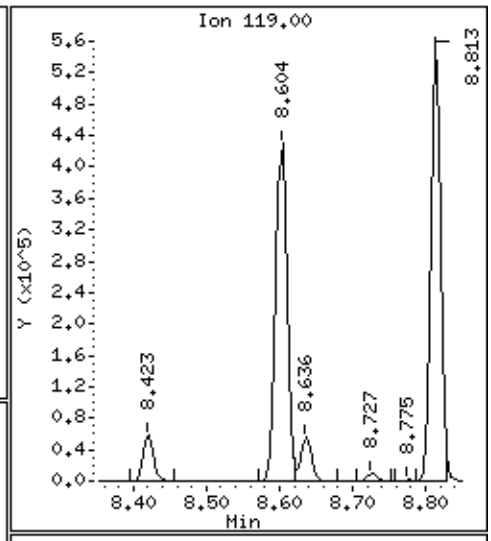
Column diameter: 0.18

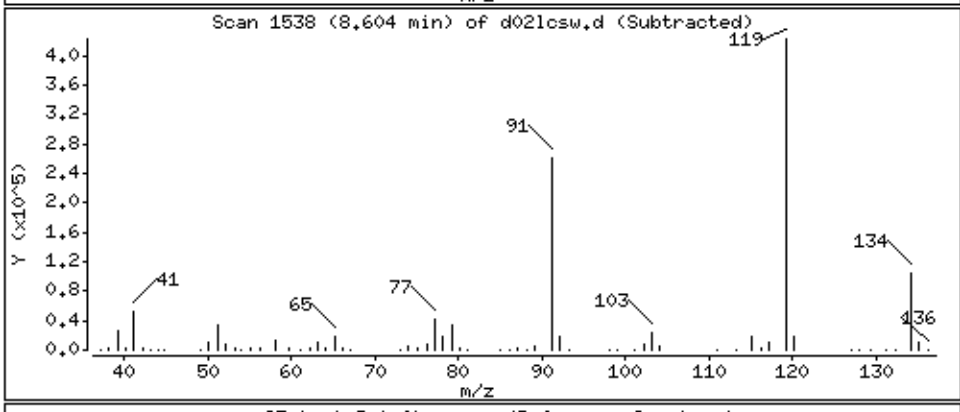
83 tert-Butylbenzene

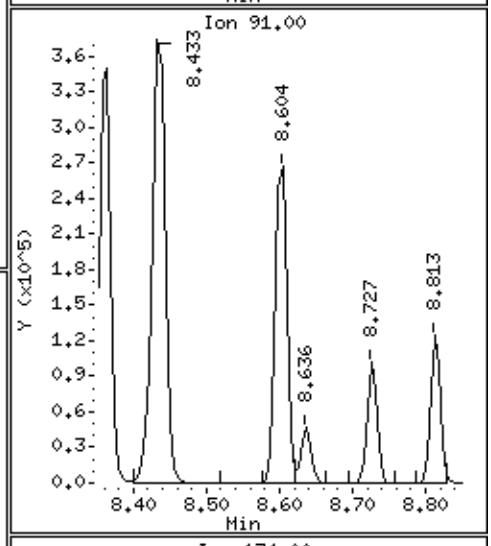
Concentration: 42.6 ppb

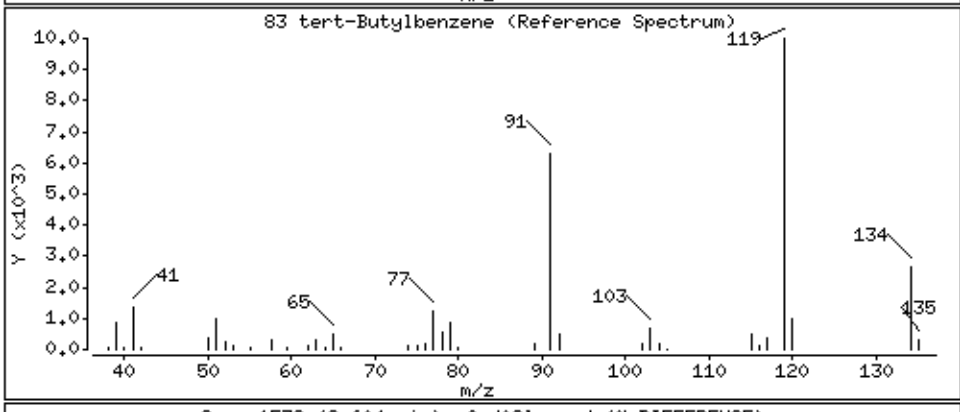
Review Code:

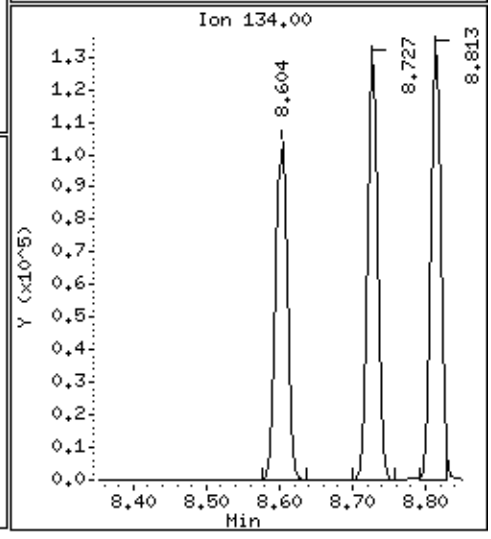


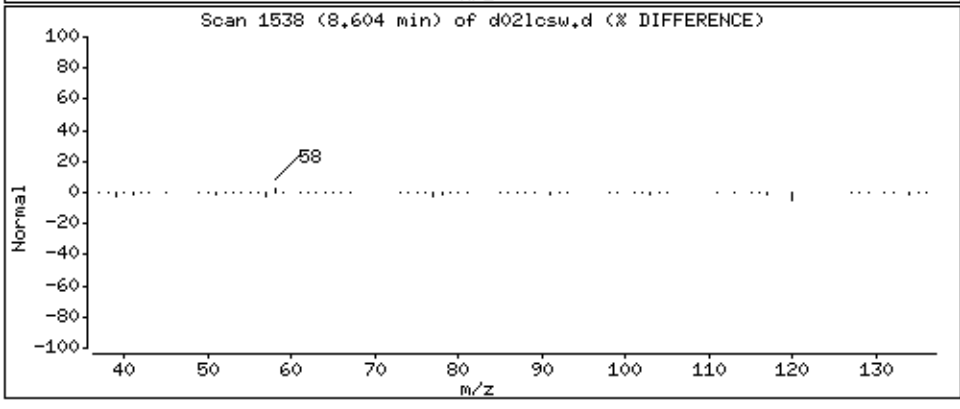












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

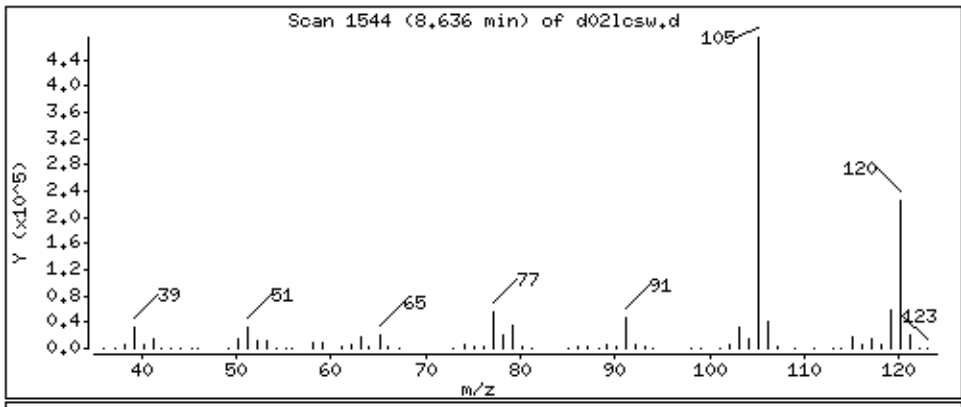
Column phase: DB-624

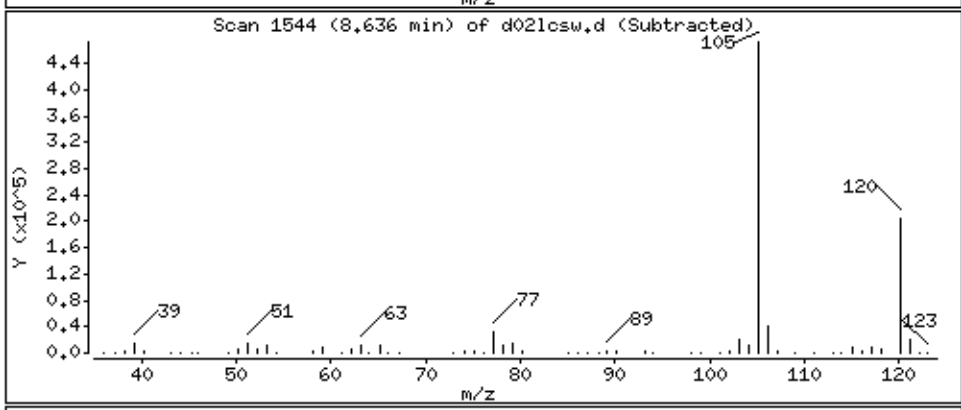
Column diameter: 0.18

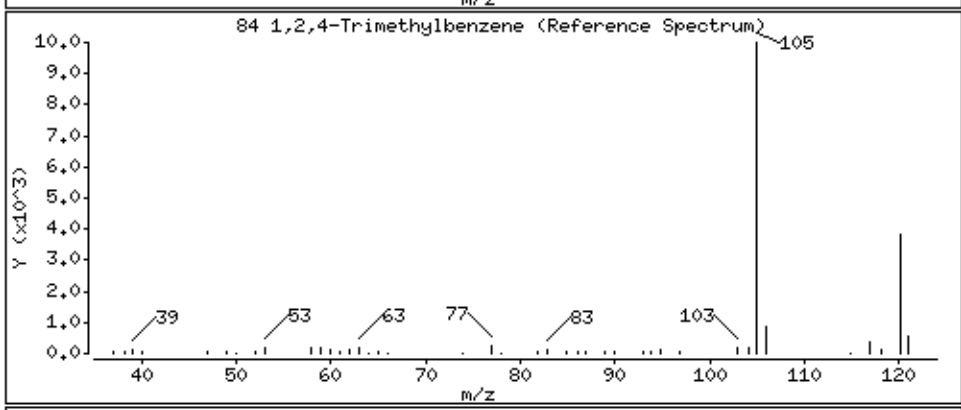
84 1,2,4-Trimethylbenzene

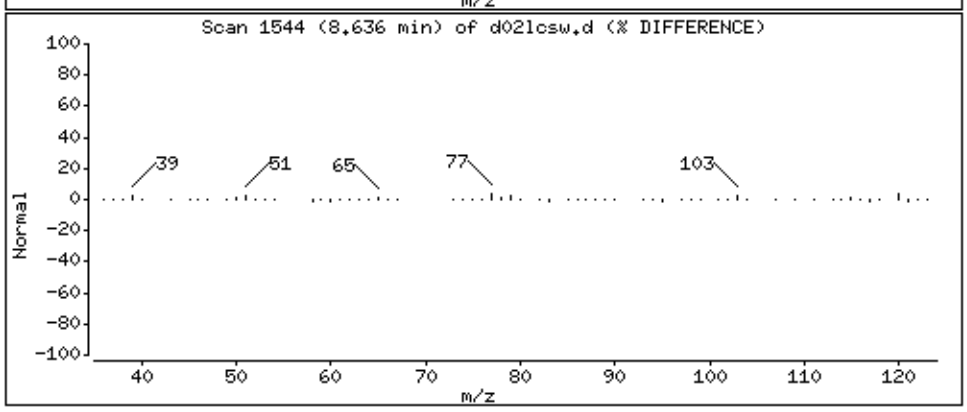
Concentration: 52.6 ppb

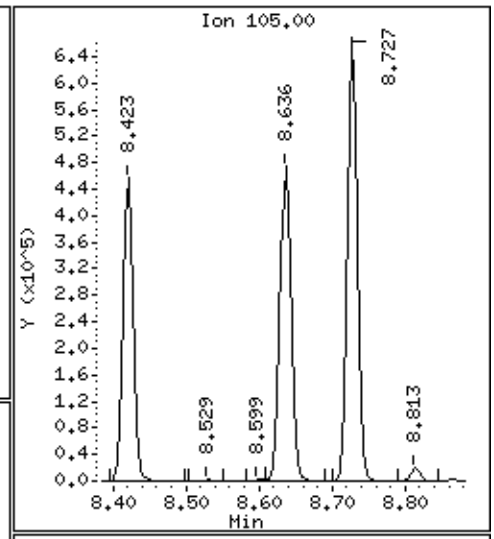
Review Code:

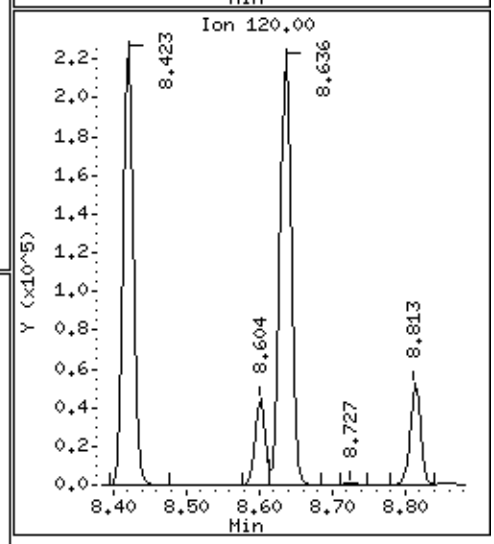












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

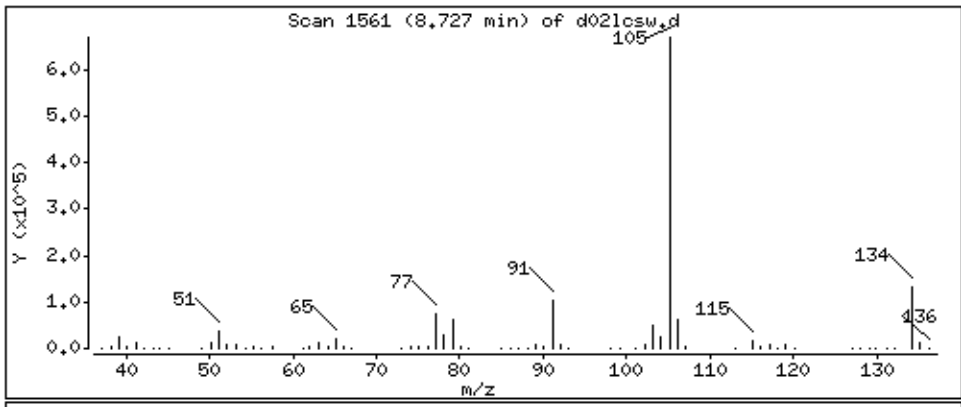
Column phase: DB-624

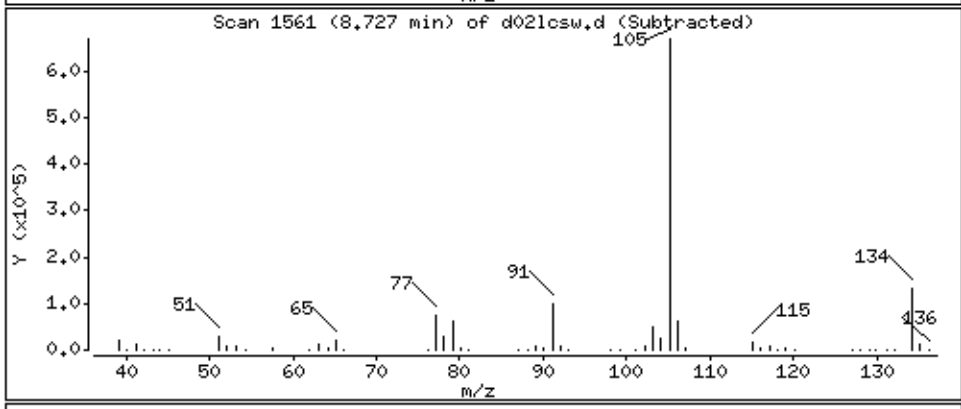
Column diameter: 0.18

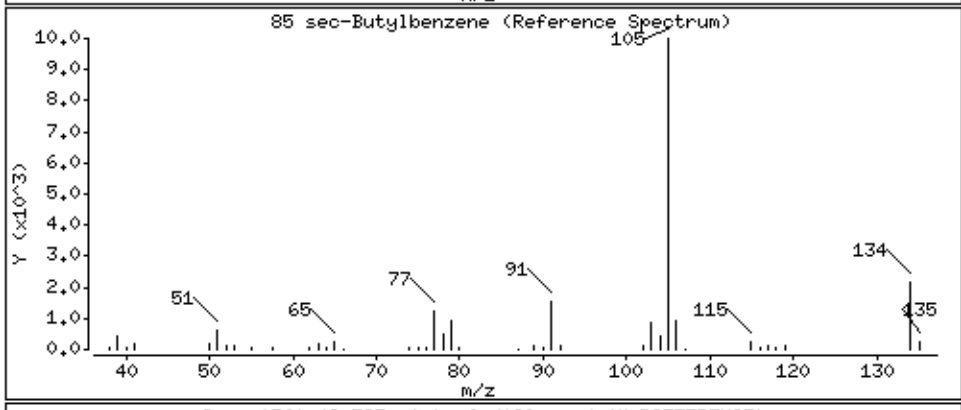
85 sec-Butylbenzene

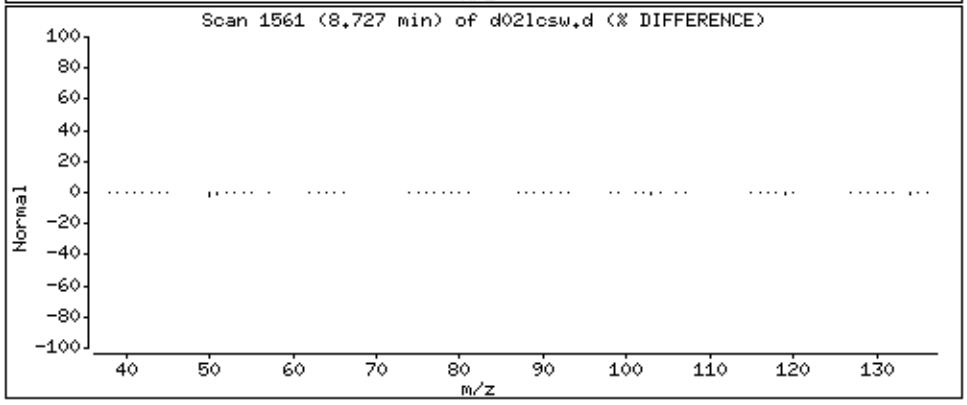
Concentration: 54.6 ppb

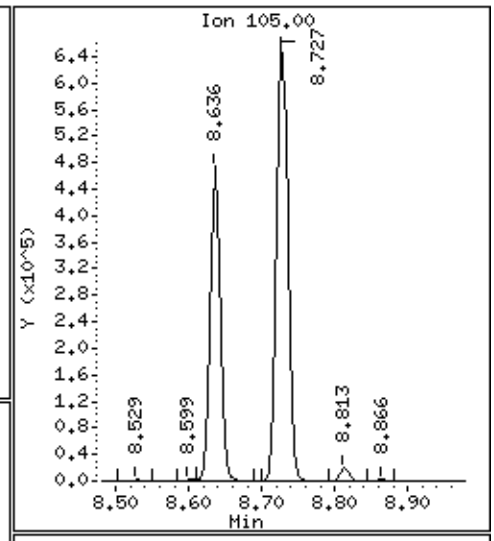
Review Code:

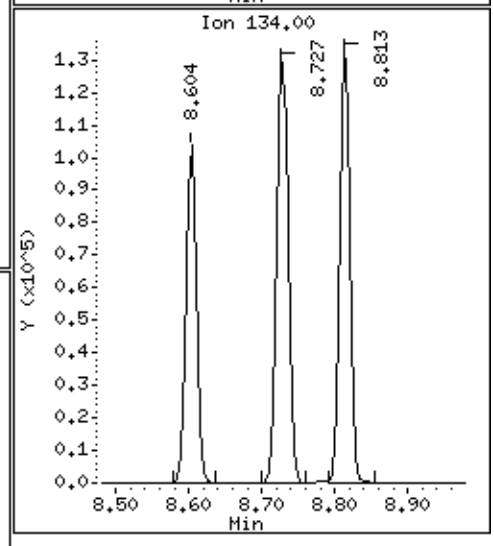












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

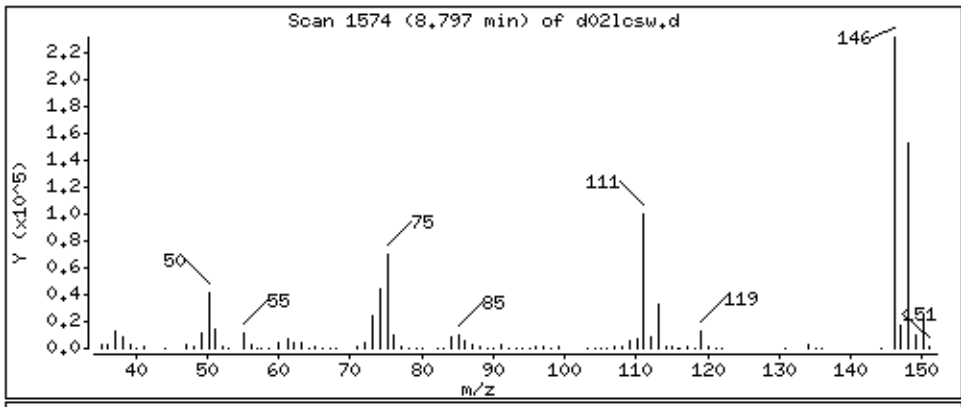
Column phase: DB-624

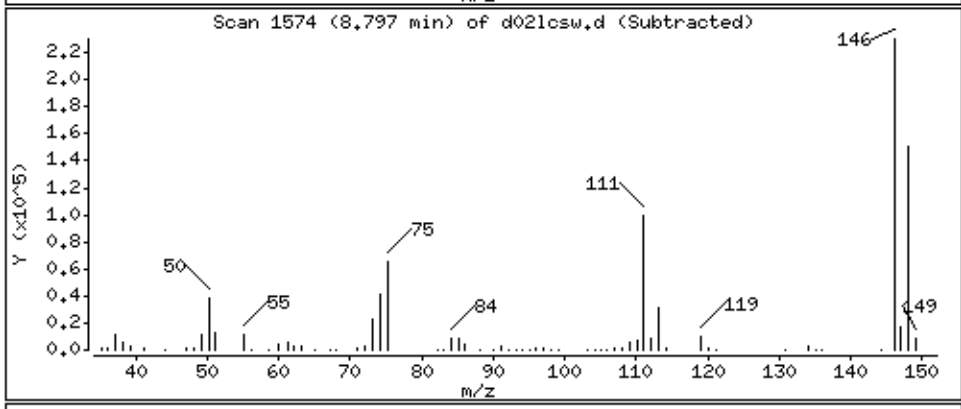
Column diameter: 0.18

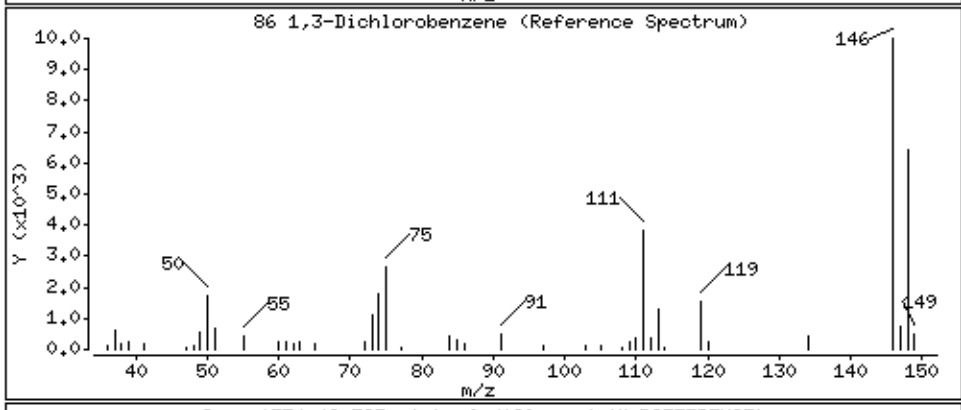
86 1,3-Dichlorobenzene

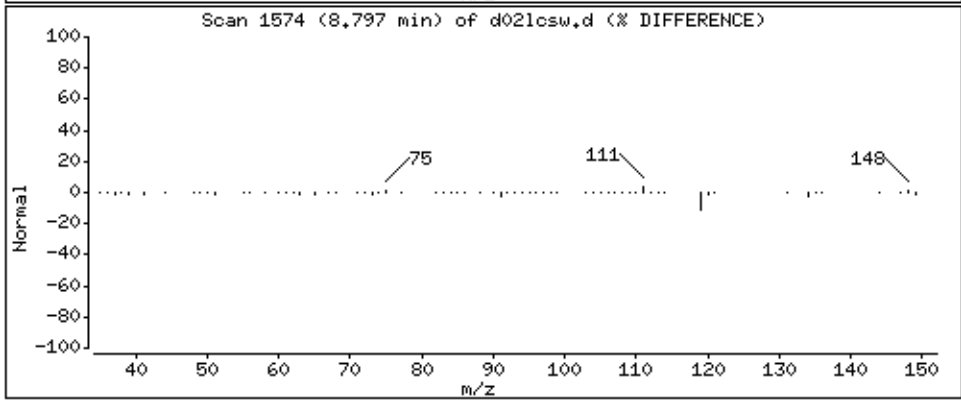
Concentration: 47.9 ppb

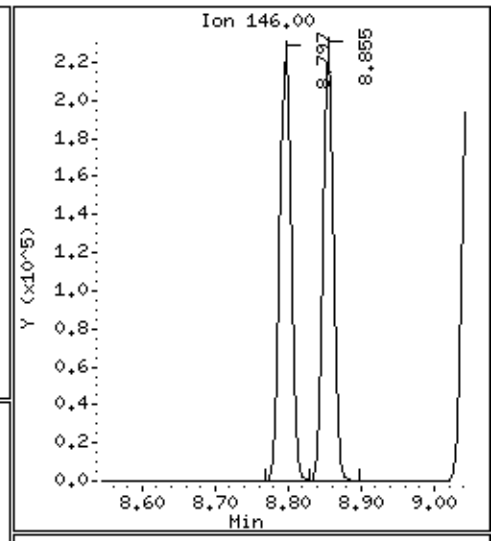
Review Code:

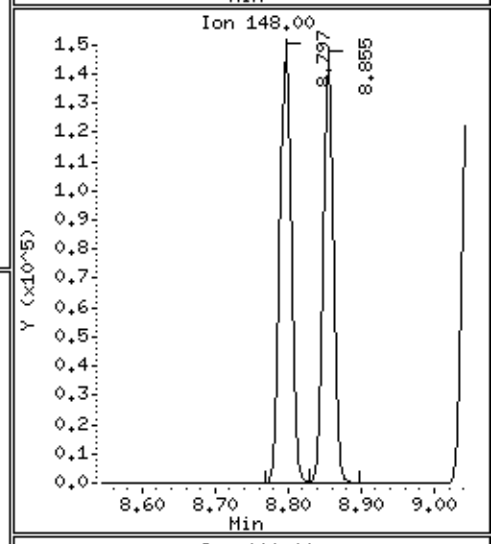


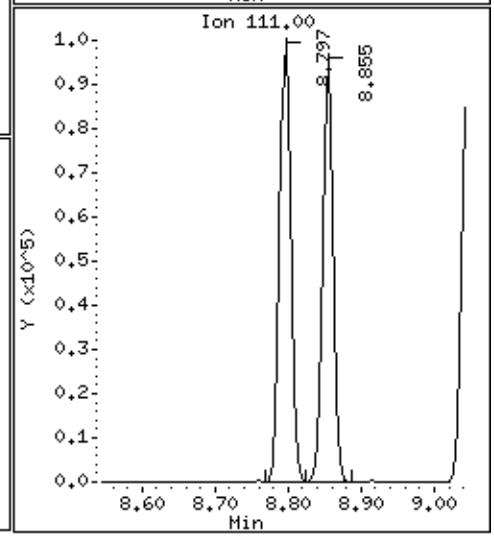












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

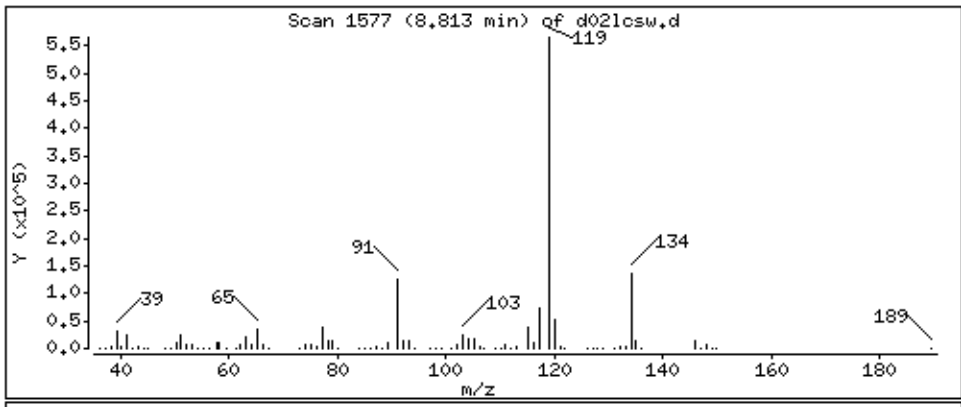
Column phase: DB-624

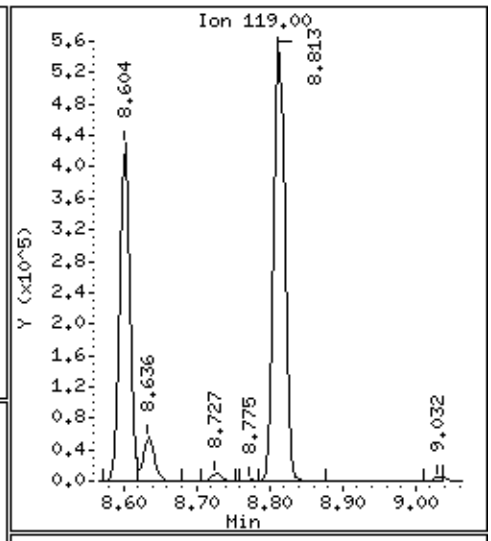
Column diameter: 0.18

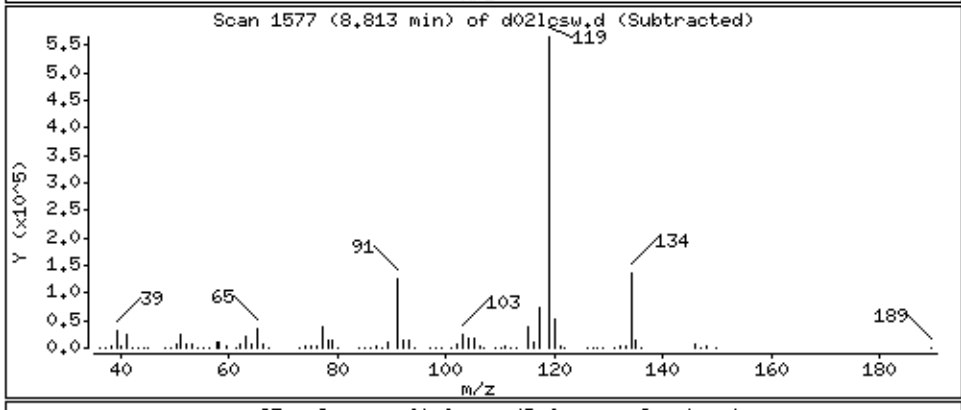
87 p-Isopropyltoluene

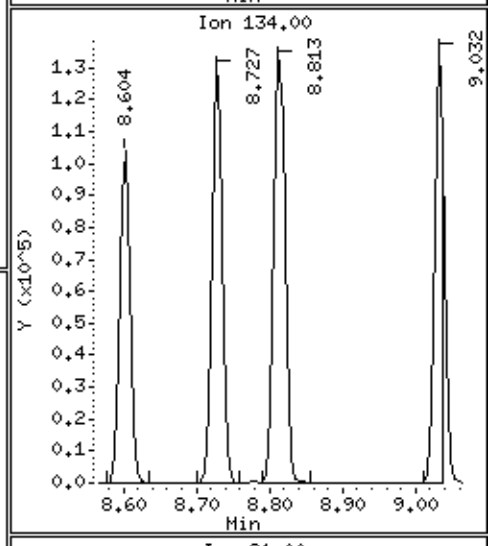
Concentration: 53.4 ppb

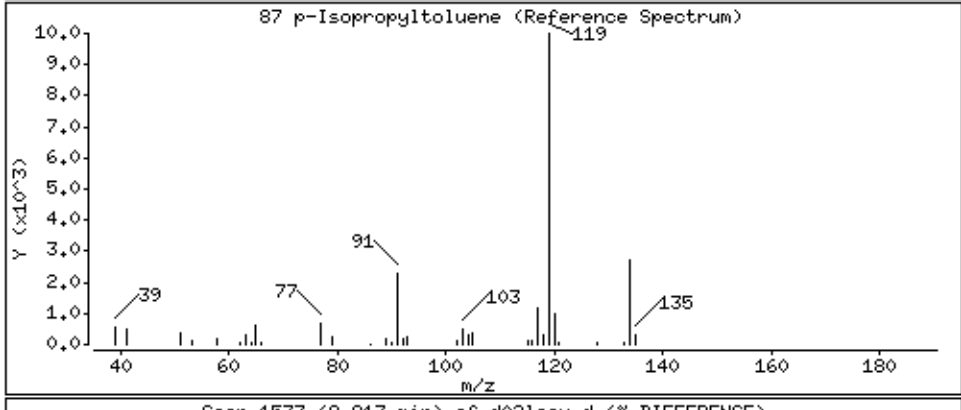
Review Code:

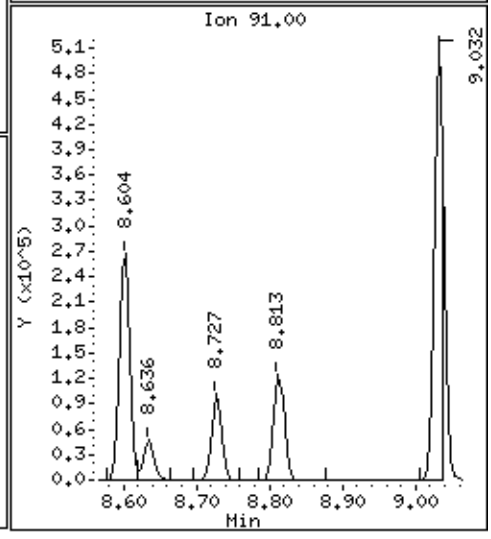


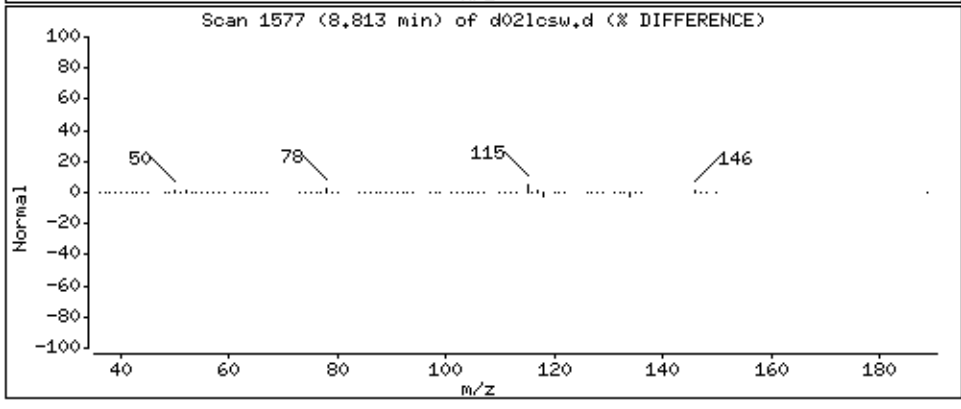












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

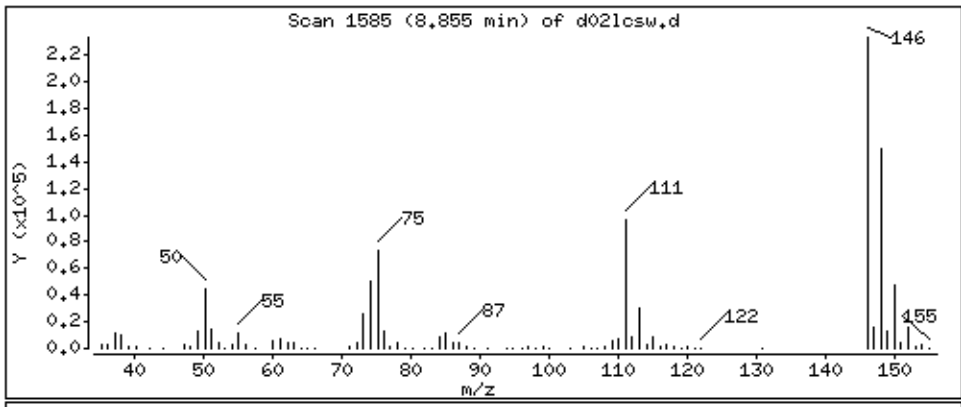
Column phase: DB-624

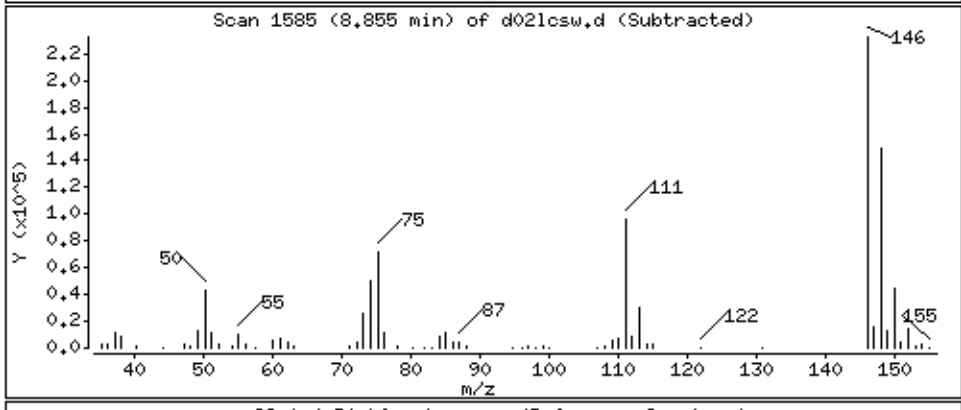
Column diameter: 0.18

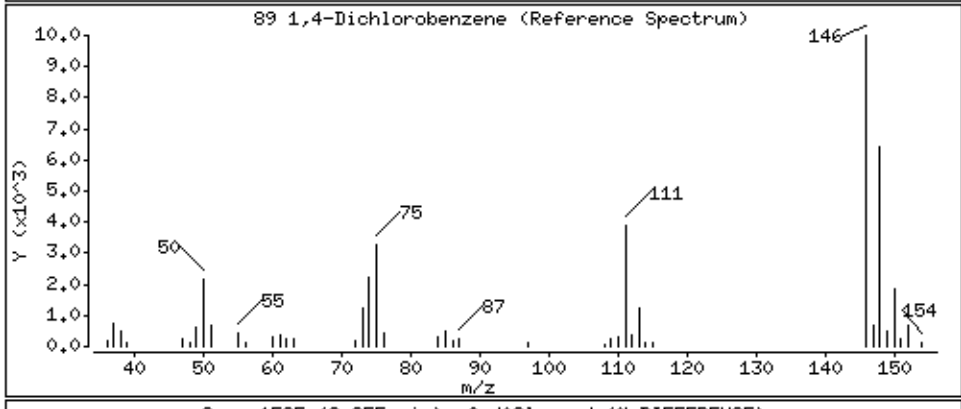
89 1,4-Dichlorobenzene

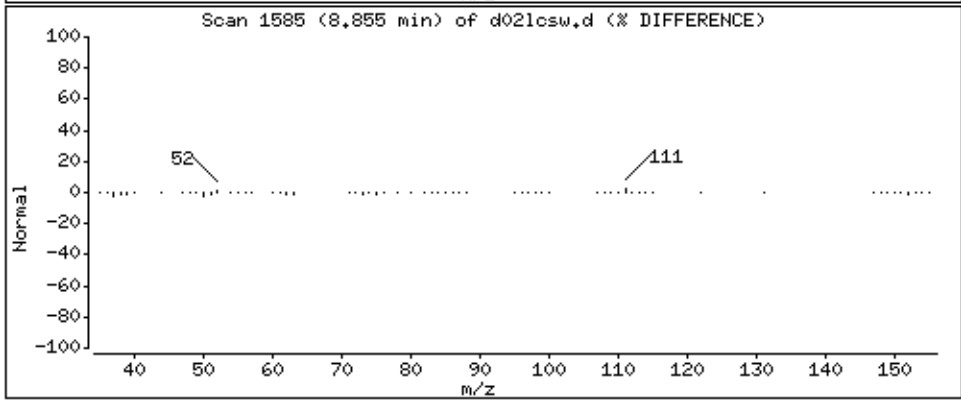
Concentration: 47.7 ppb

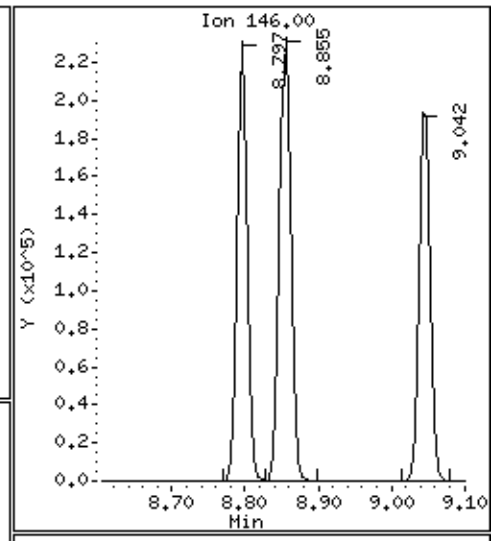
Review Code:

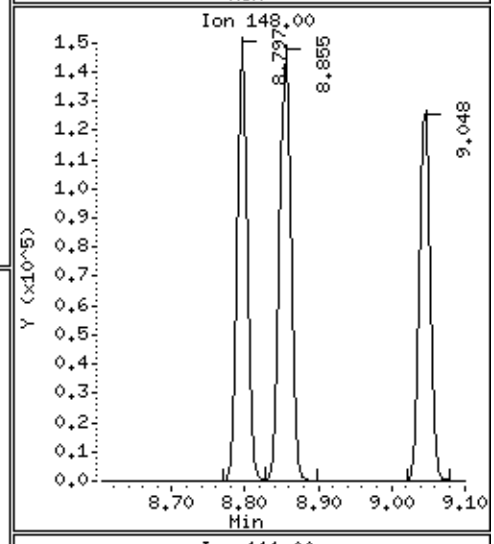


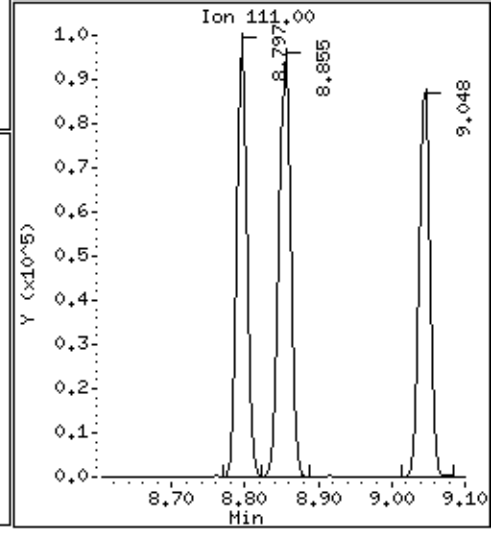












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

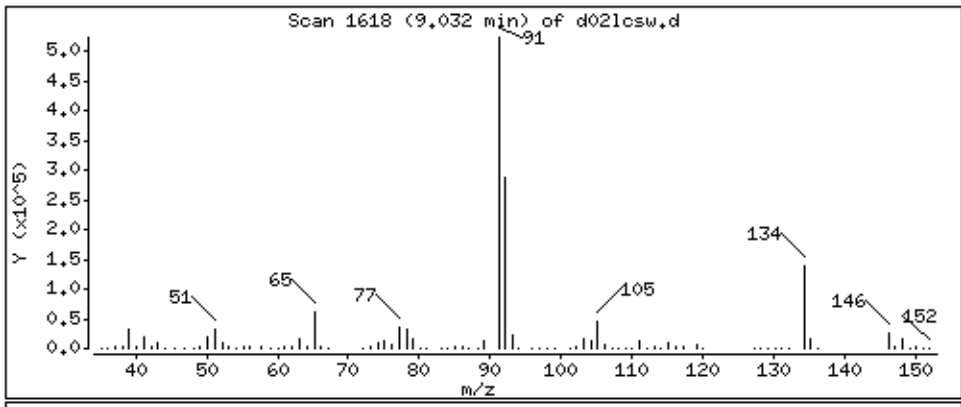
Column phase: DB-624

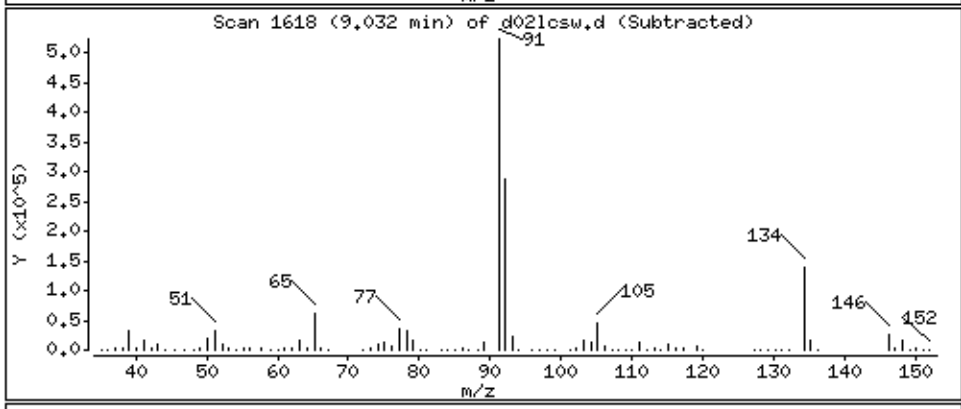
Column diameter: 0.18

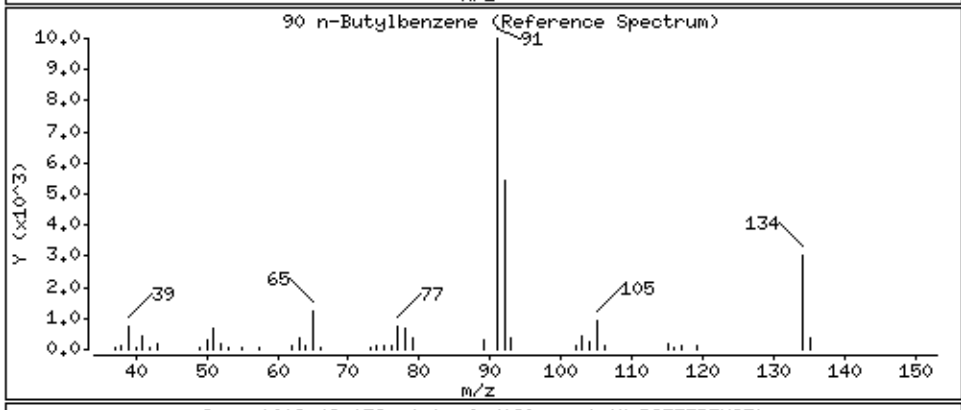
90 n-Butylbenzene

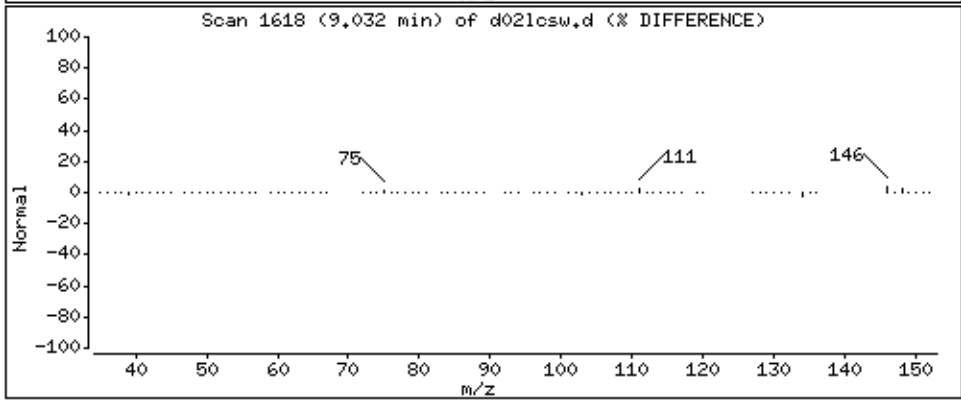
Concentration: 53.4 ppb

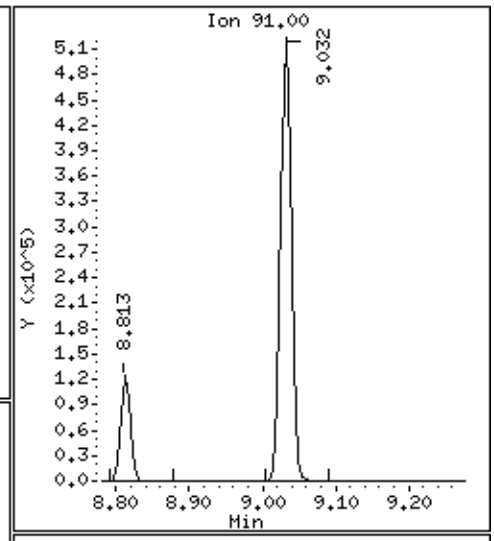
Review Code:

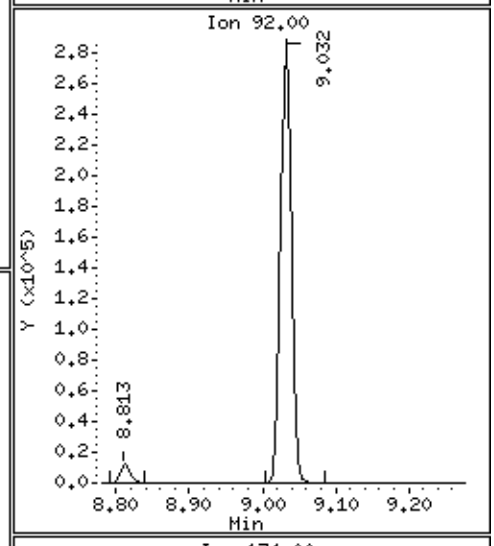


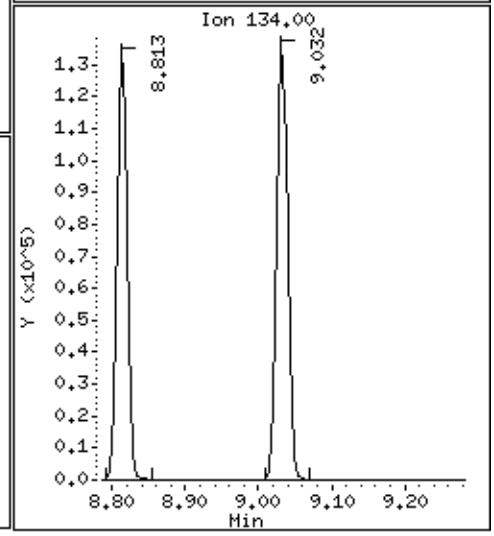












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

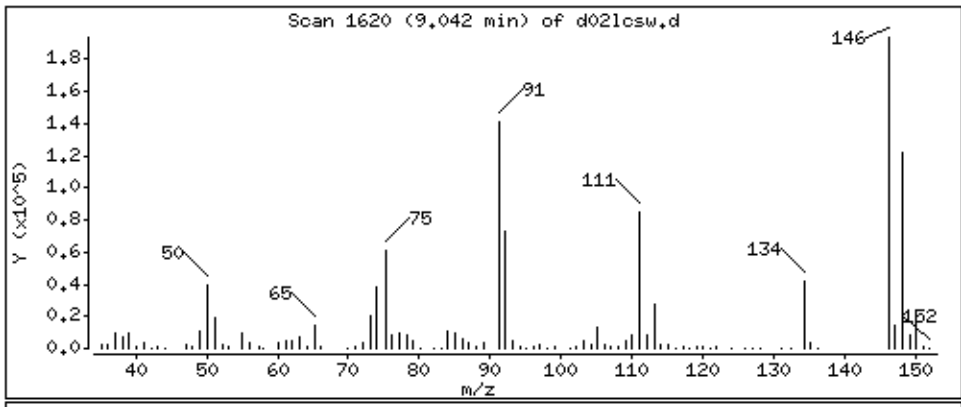
Column phase: DB-624

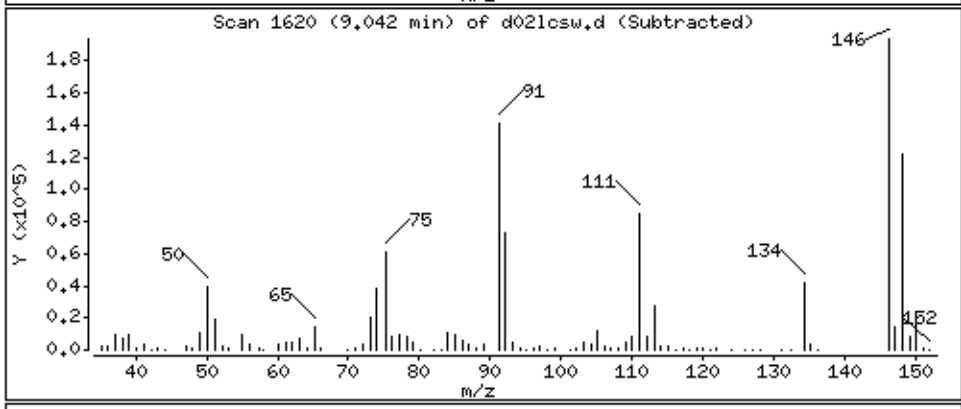
Column diameter: 0.18

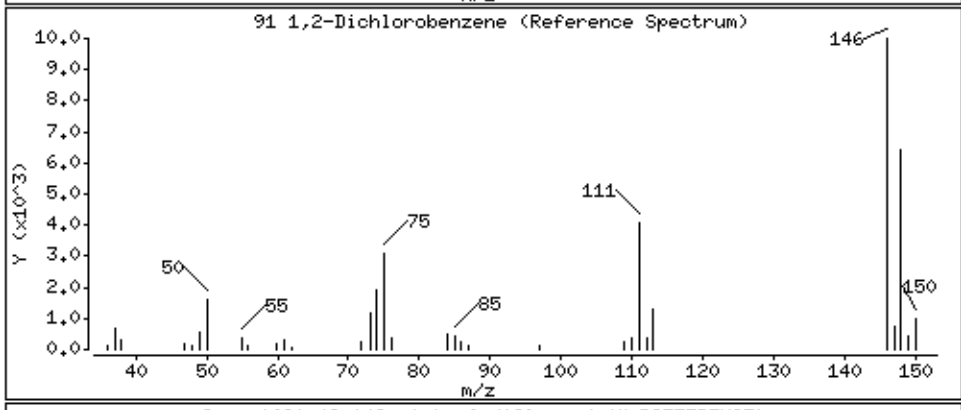
91 1,2-Dichlorobenzene

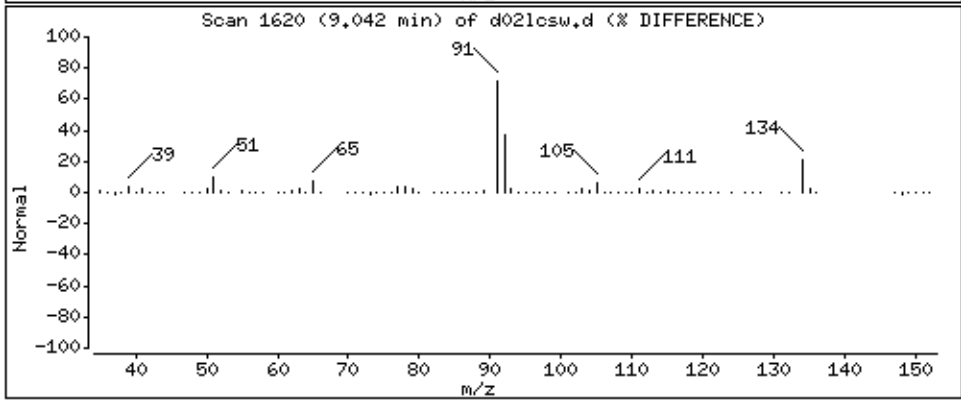
Concentration: 49.3 ppb

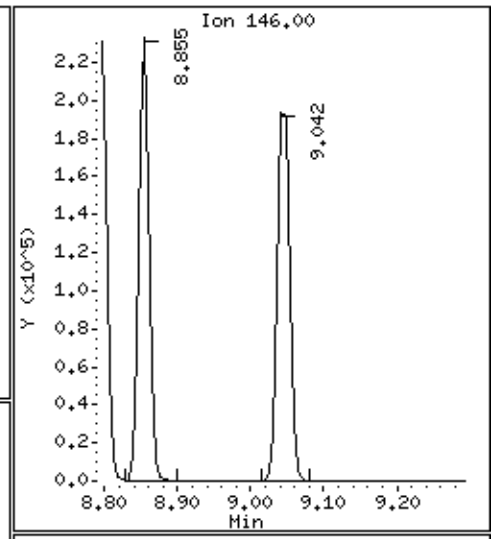
Review Code:

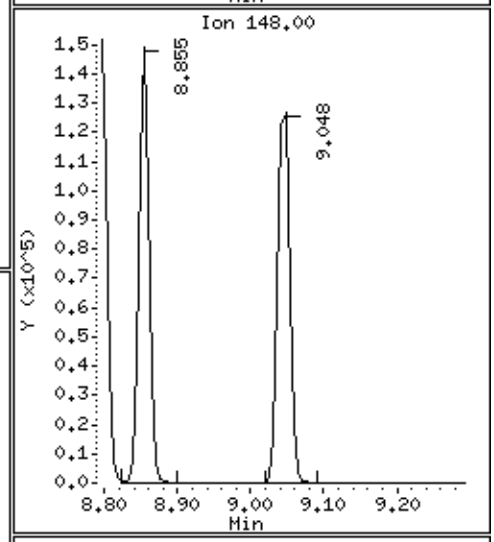


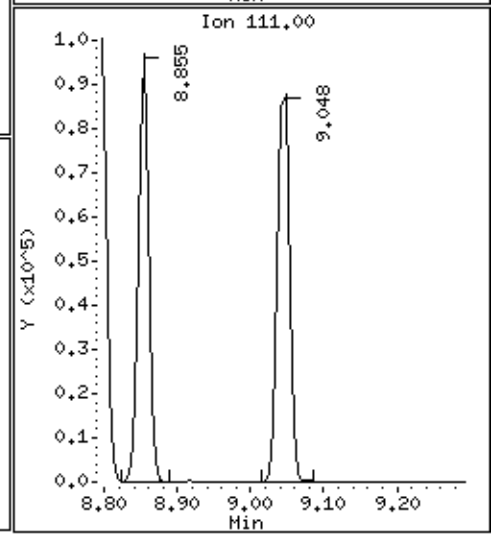












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

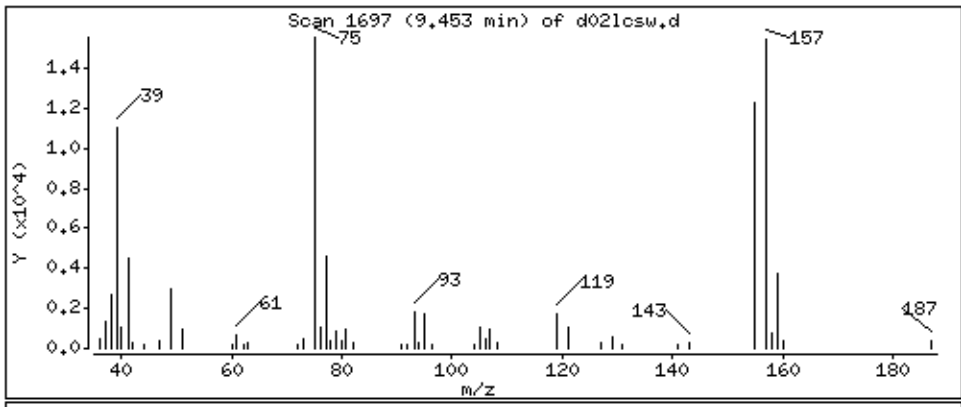
Column phase: DB-624

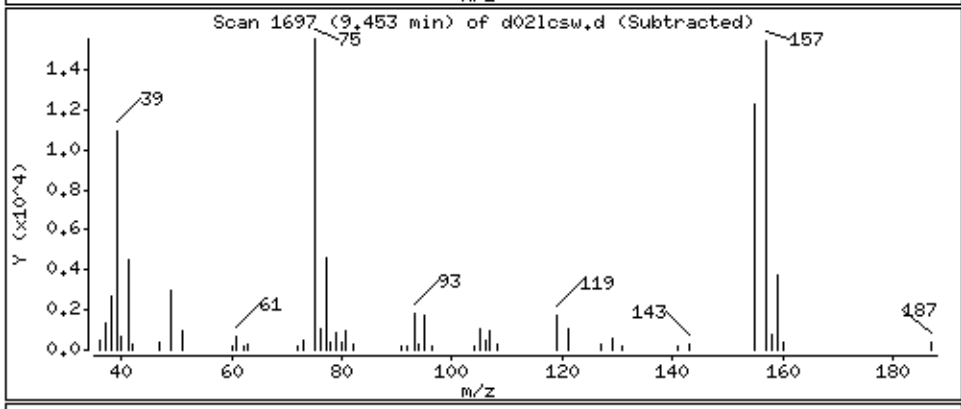
Column diameter: 0.18

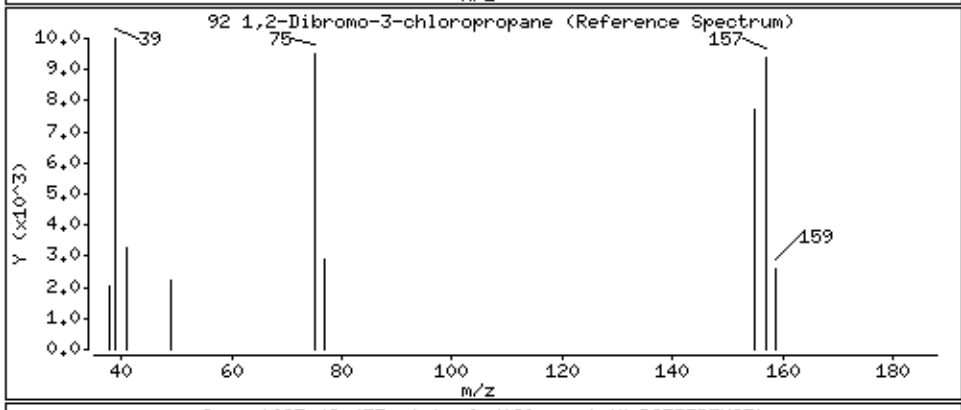
92 1,2-Dibromo-3-chloropropane

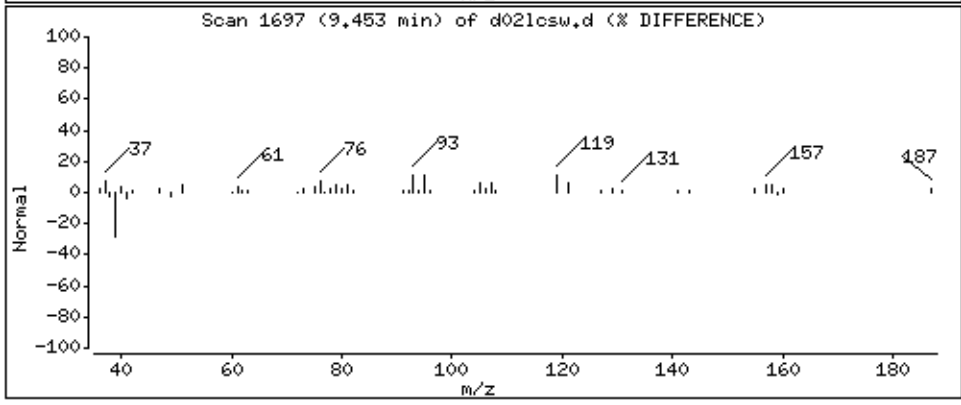
Concentration: 54.6 ppb

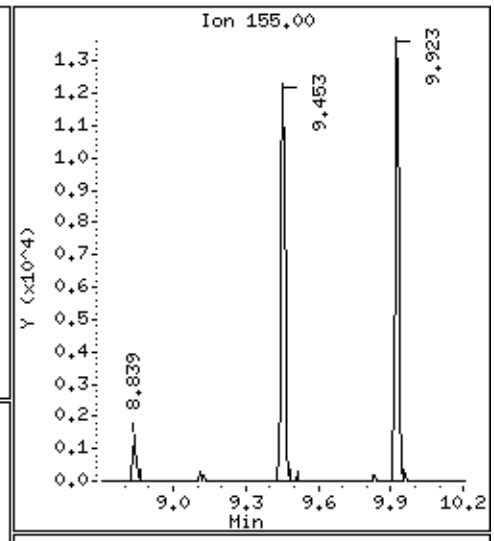
Review Code:

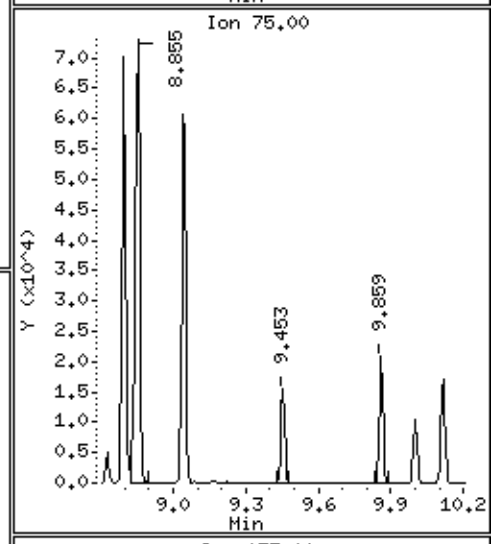


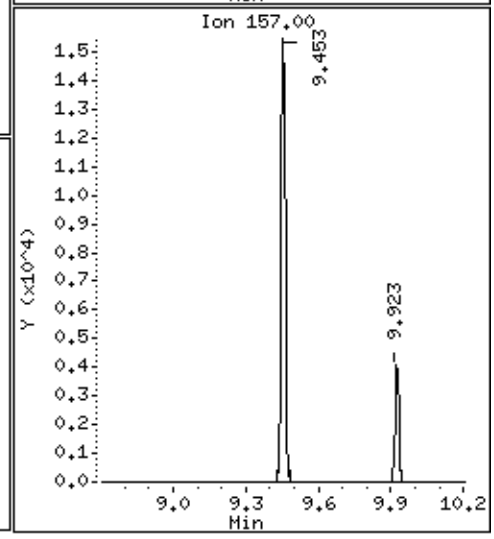












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

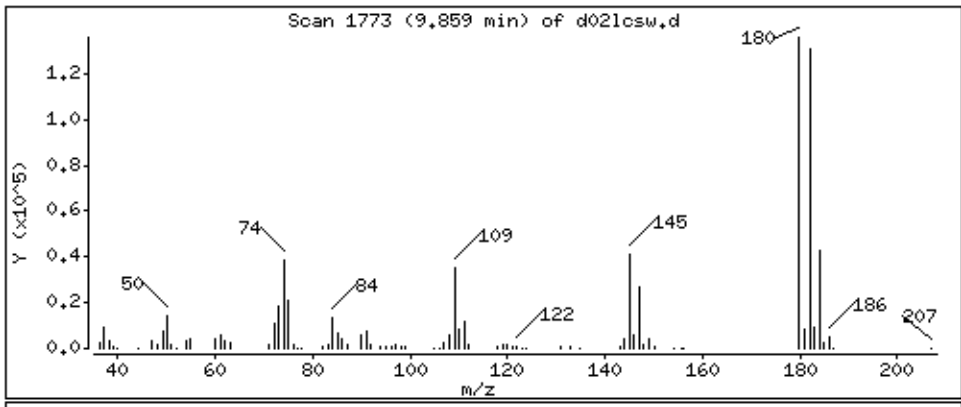
Column phase: DB-624

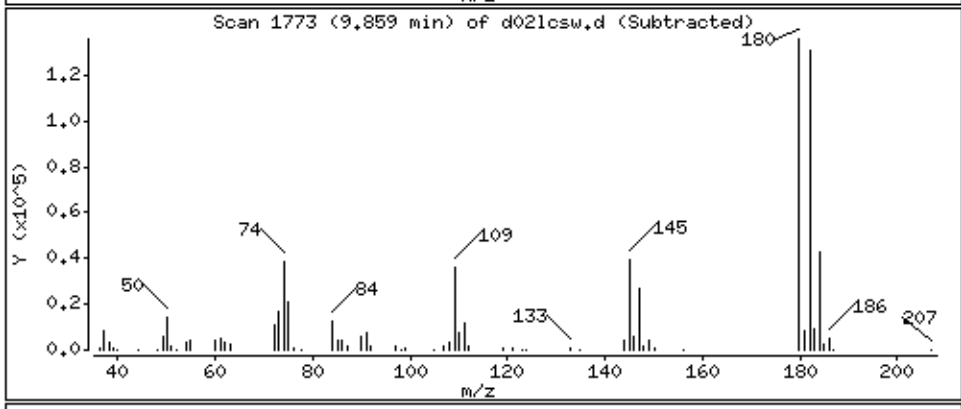
Column diameter: 0.18

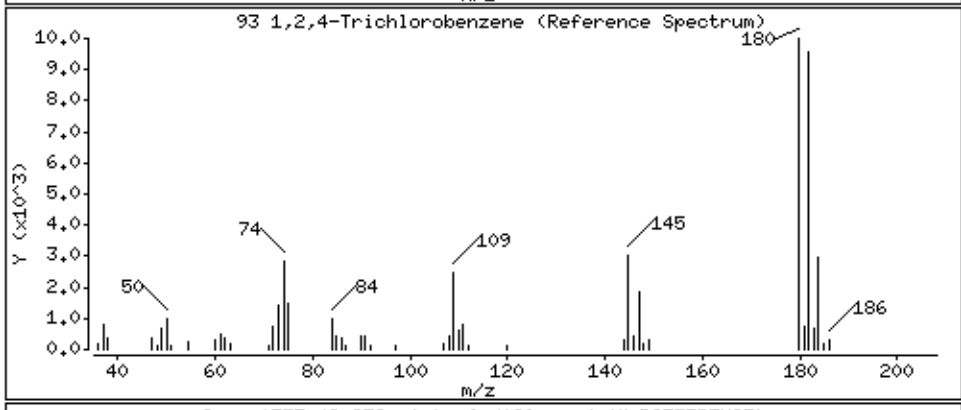
93 1,2,4-Trichlorobenzene

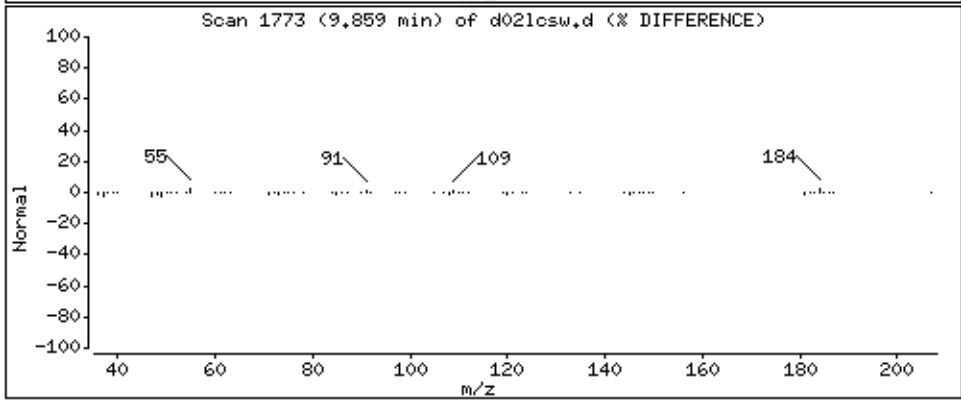
Concentration: 52.8 ppb

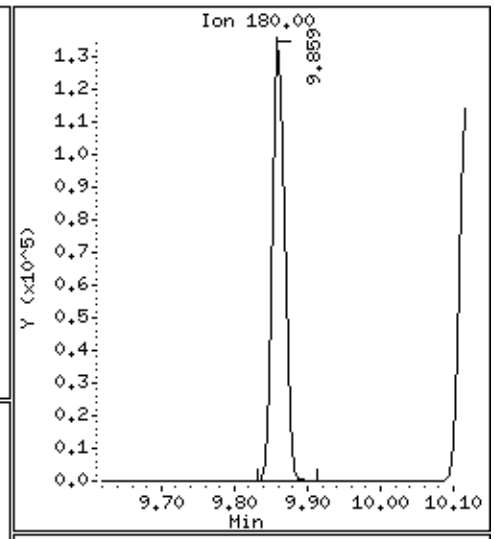
Review Code:

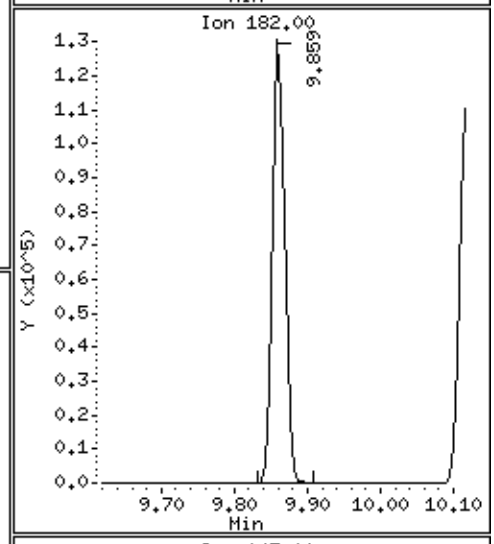


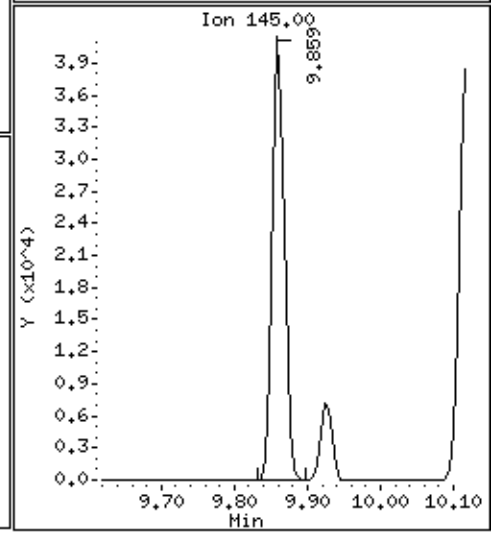












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

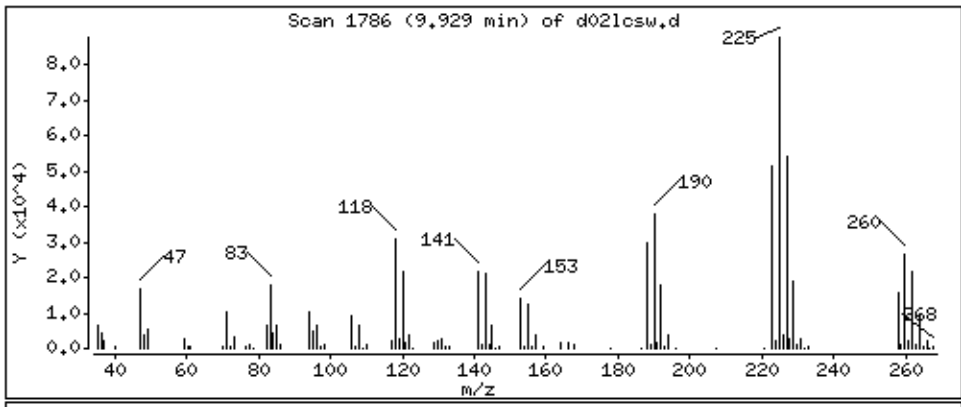
Column phase: DB-624

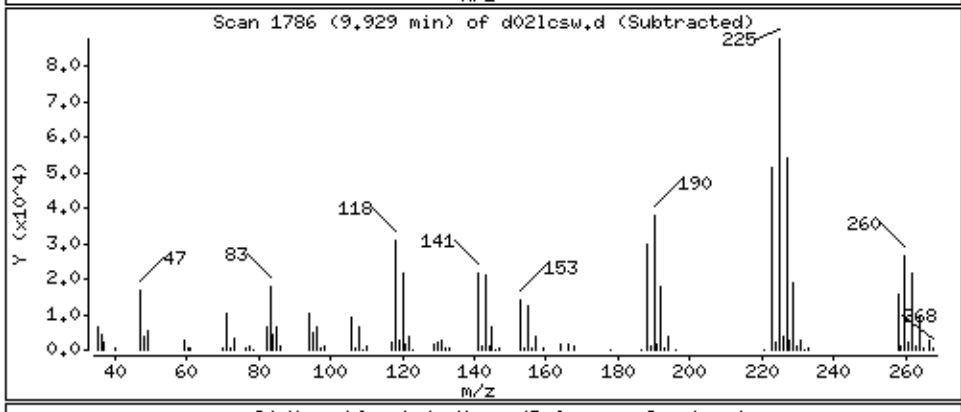
Column diameter: 0.18

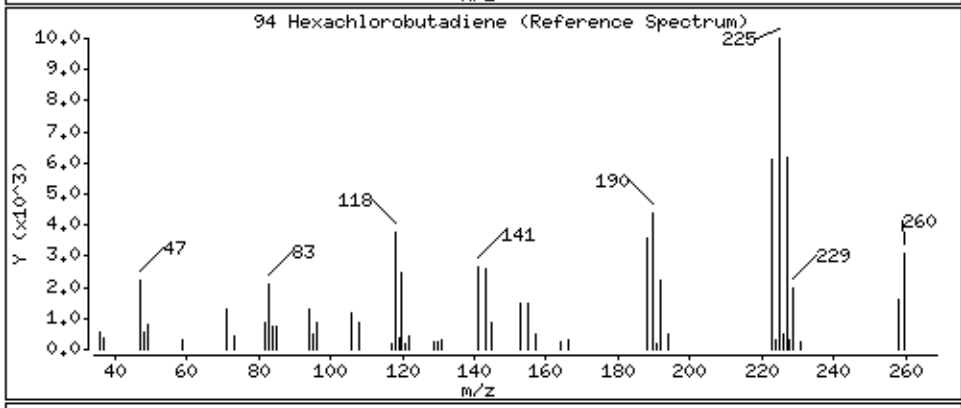
94 Hexachlorobutadiene

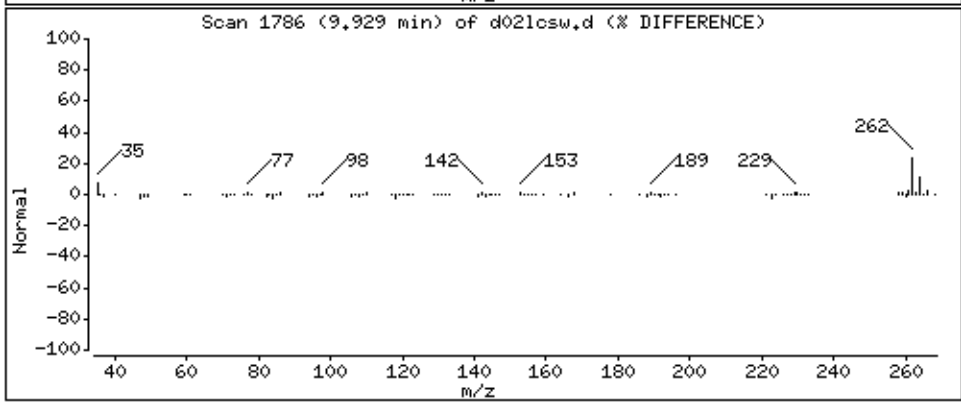
Concentration: 55.8 ppb

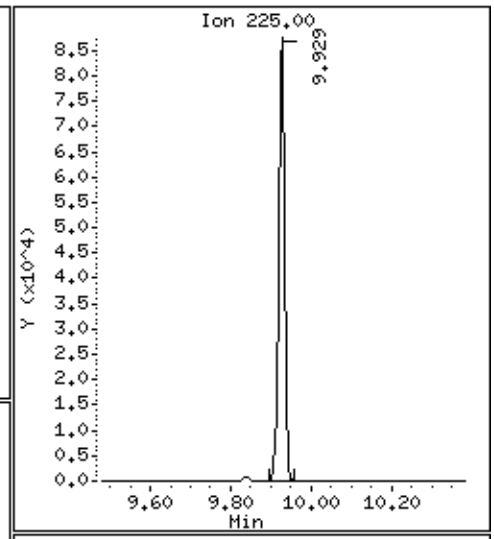
Review Code:

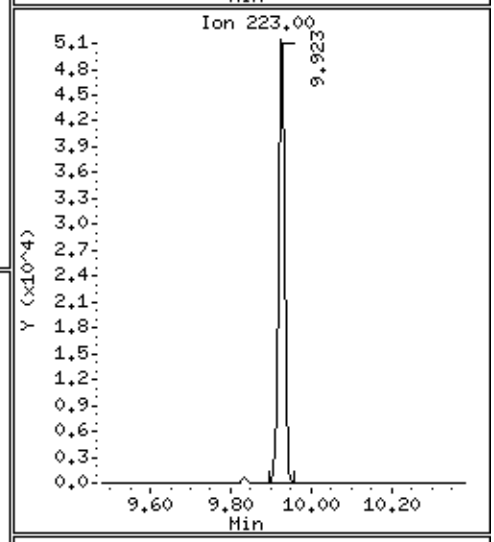


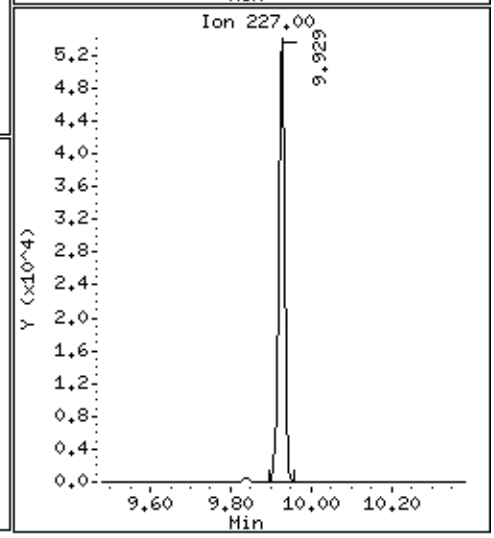












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

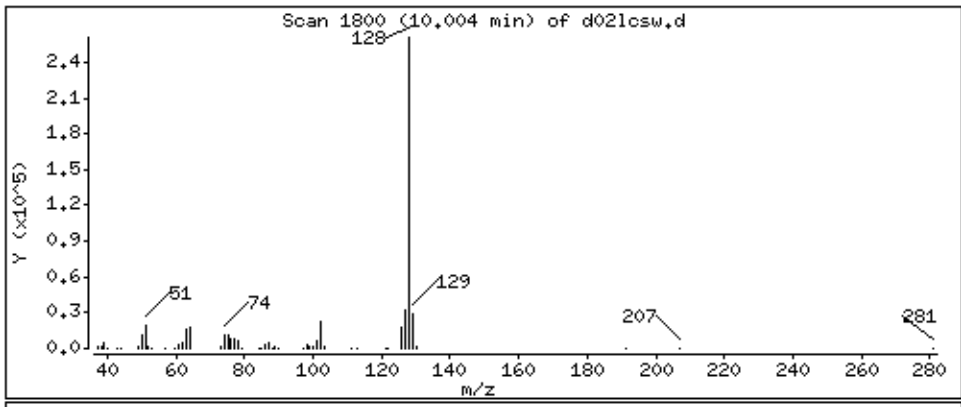
Column phase: DB-624

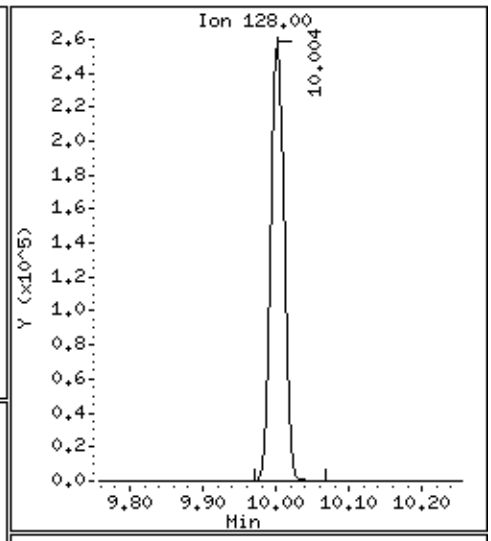
Column diameter: 0.18

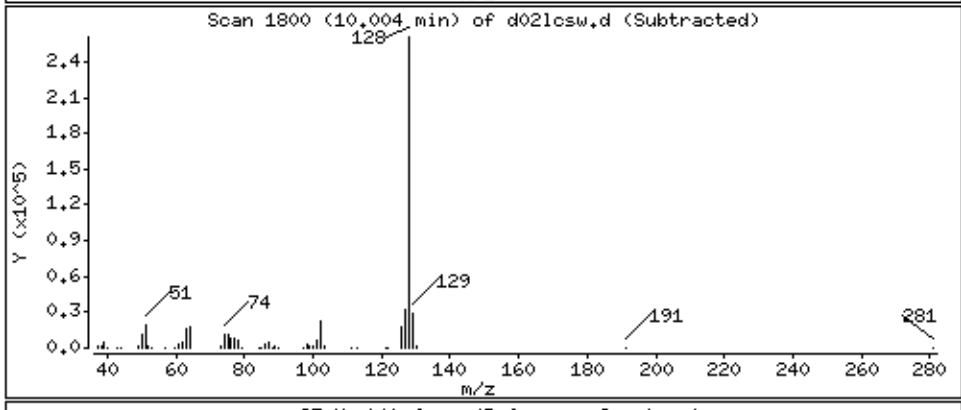
95 Naphthalene

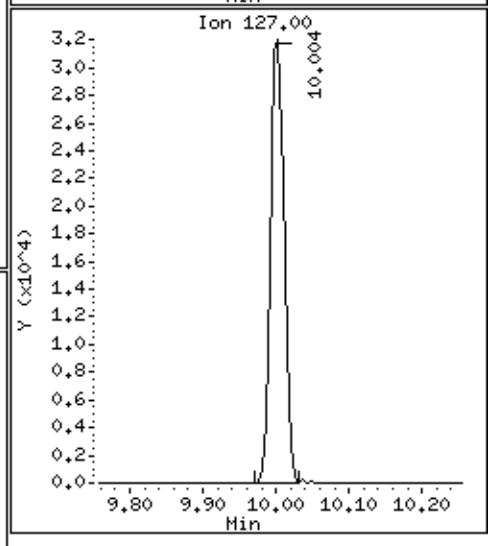
Concentration: 54.3 ppb

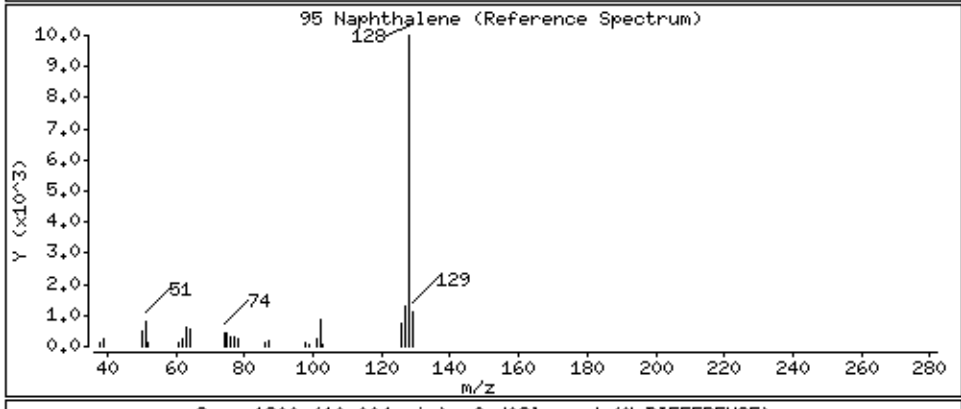
Review Code:

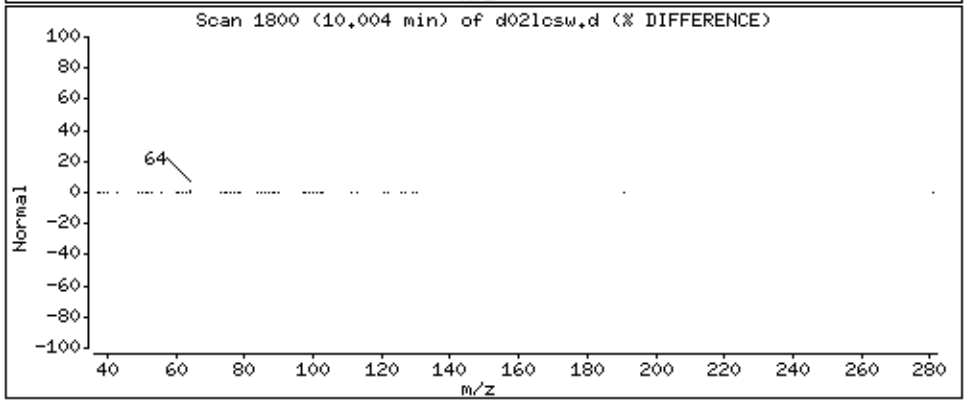












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

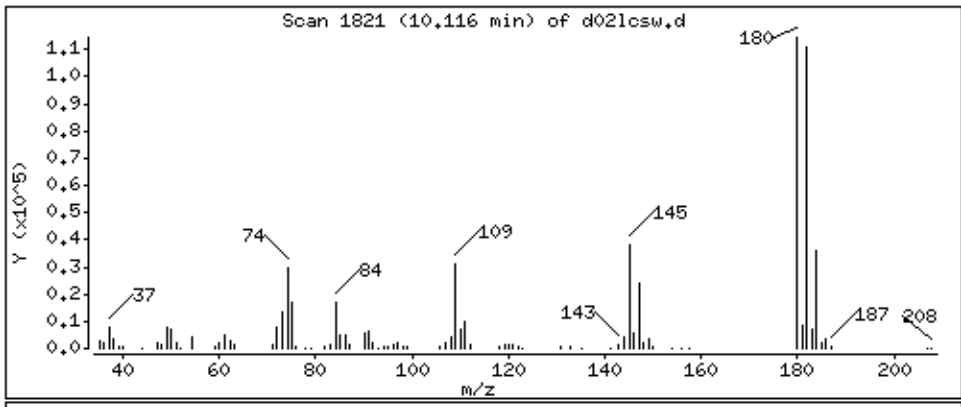
Column phase: DB-624

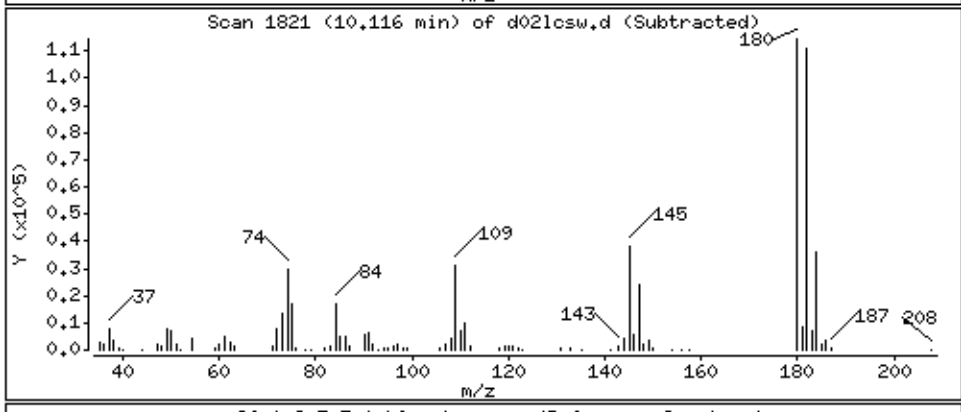
Column diameter: 0.18

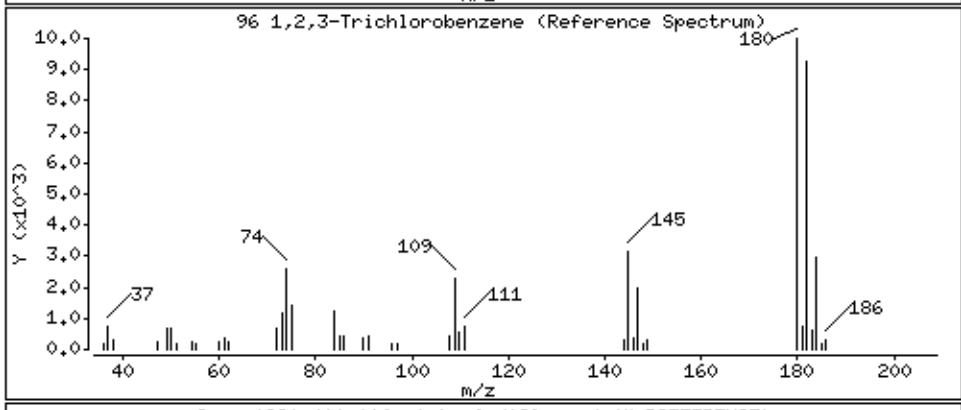
96 1,2,3-Trichlorobenzene

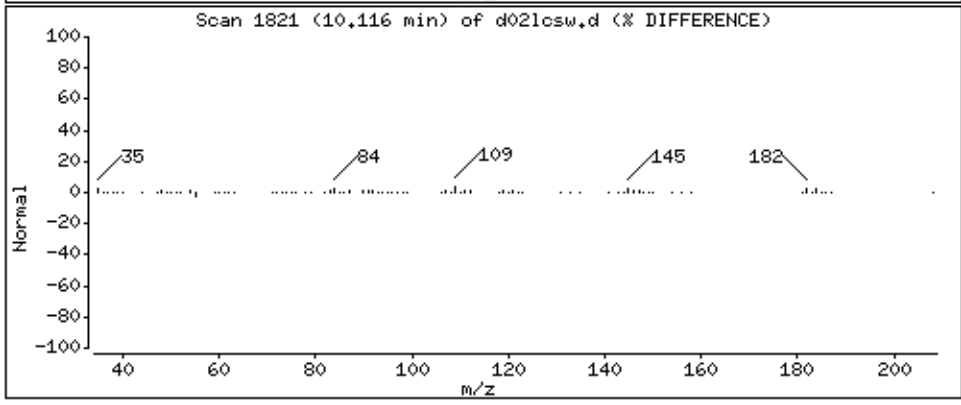
Concentration: 53.9 ppb

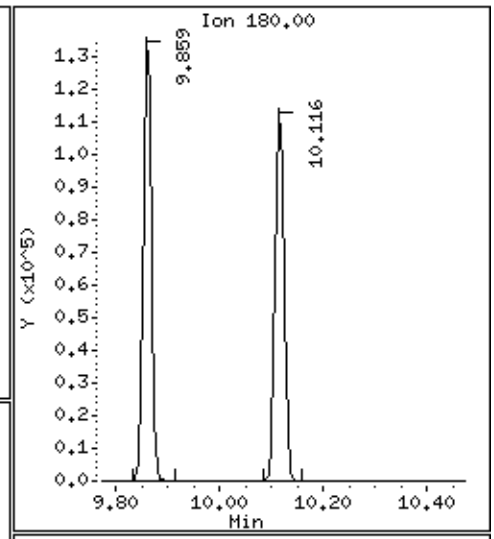
Review Code:

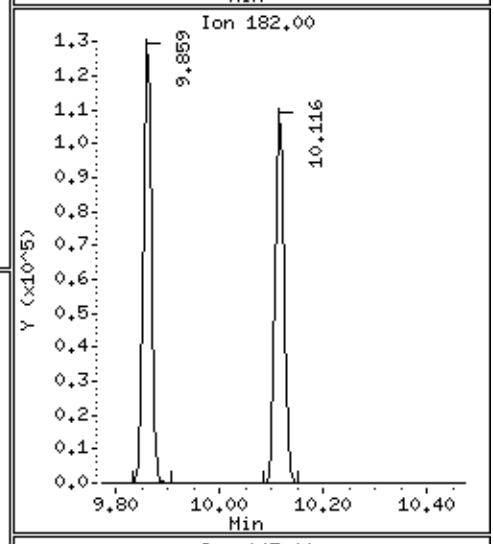


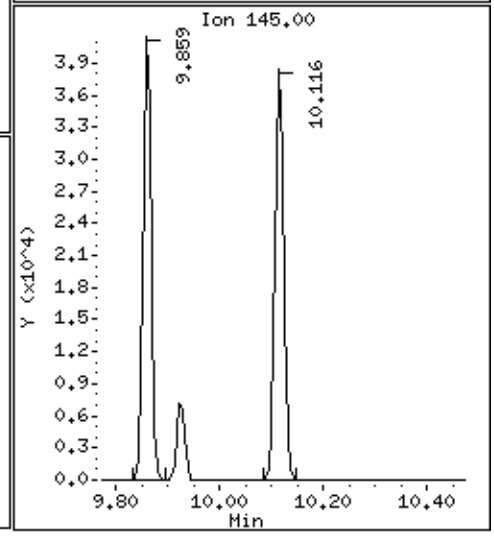












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

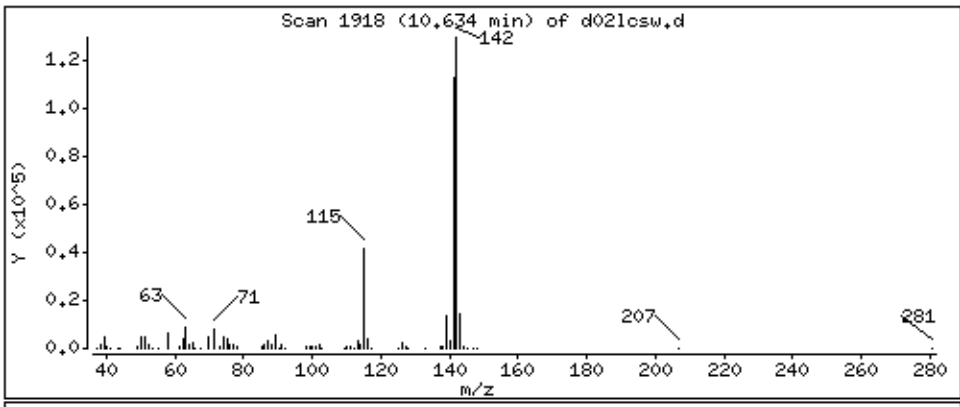
Column phase: DB-624

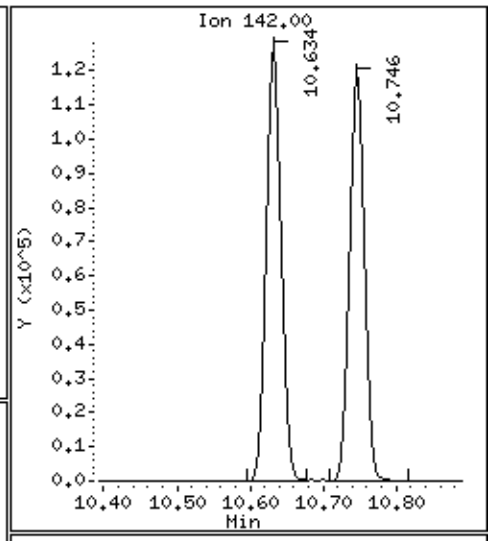
Column diameter: 0.18

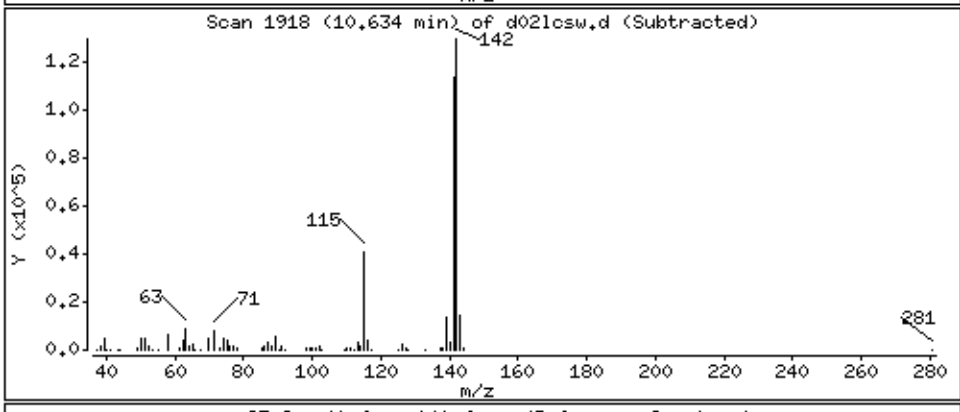
97 2,methyl-naphthalene

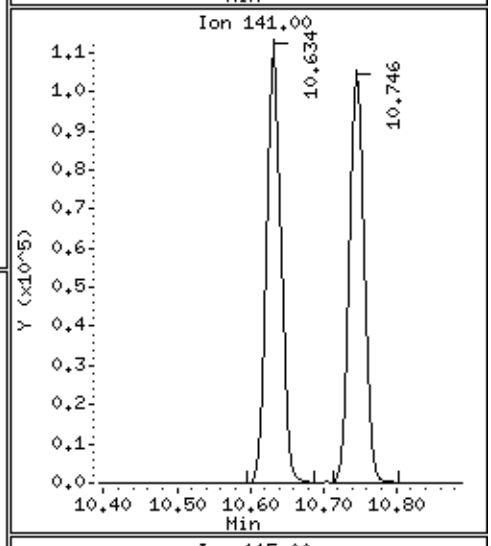
Concentration: 51.8 ppb

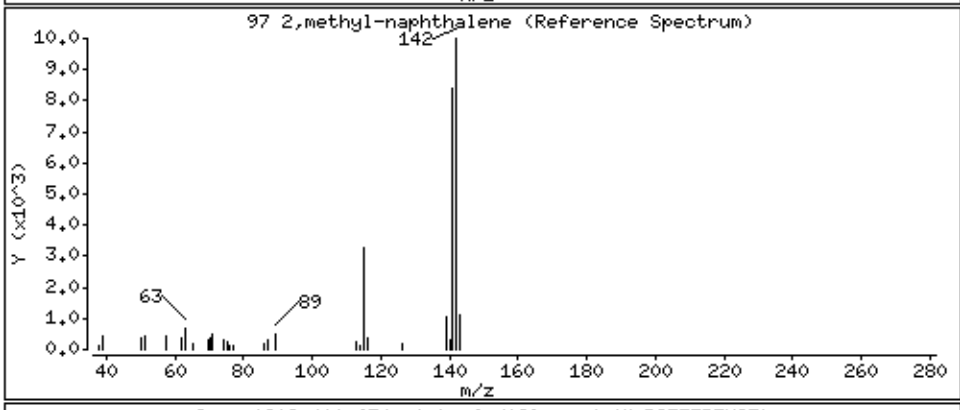
Review Code:

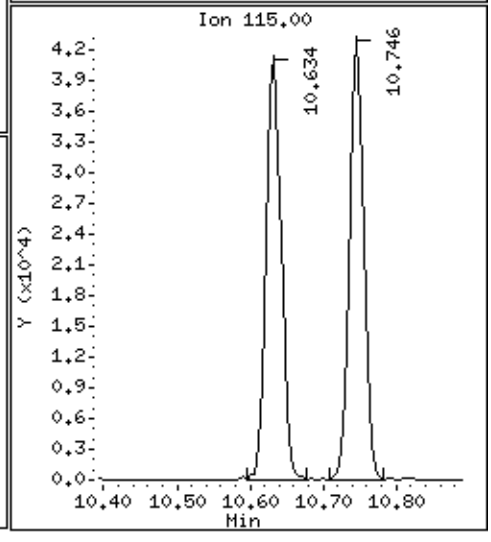


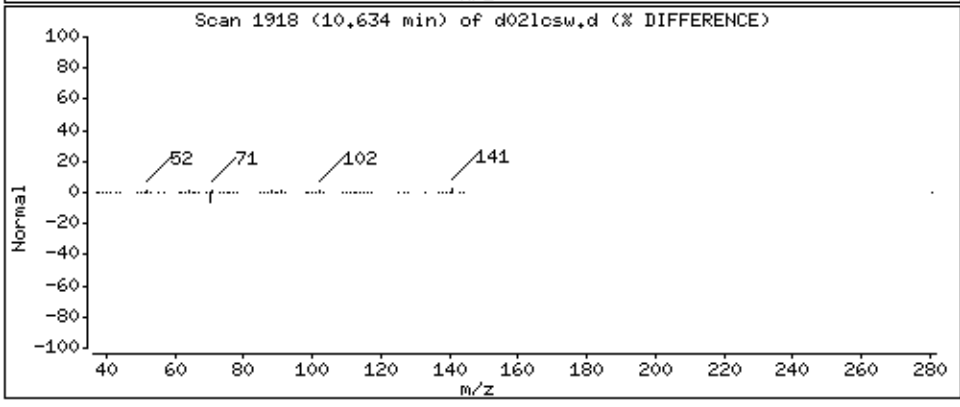












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

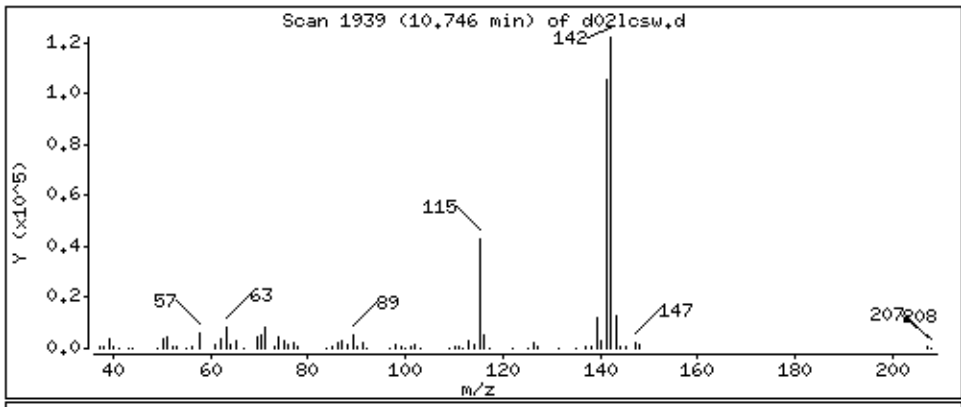
Column phase: DB-624

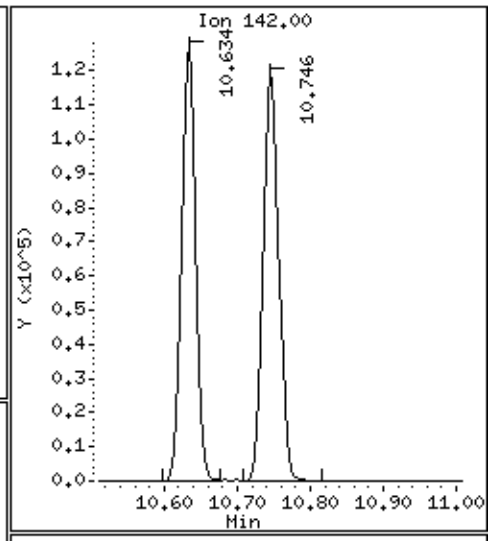
Column diameter: 0.18

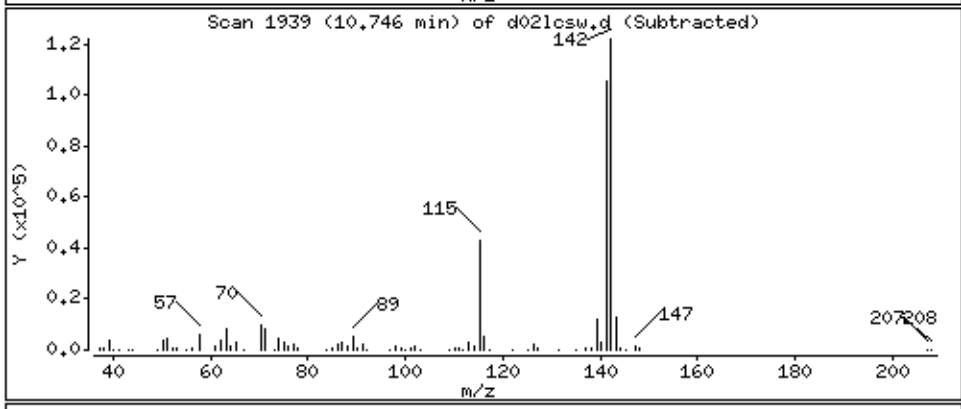
98 1-Methylnaphthalene

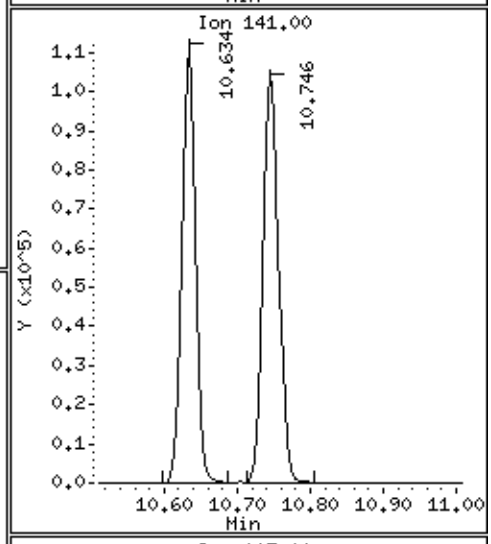
Concentration: 63.1 ppb

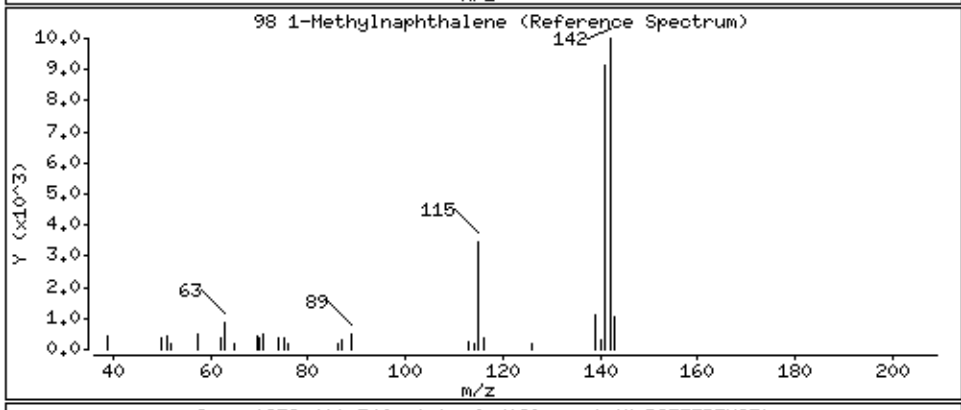
Review Code:

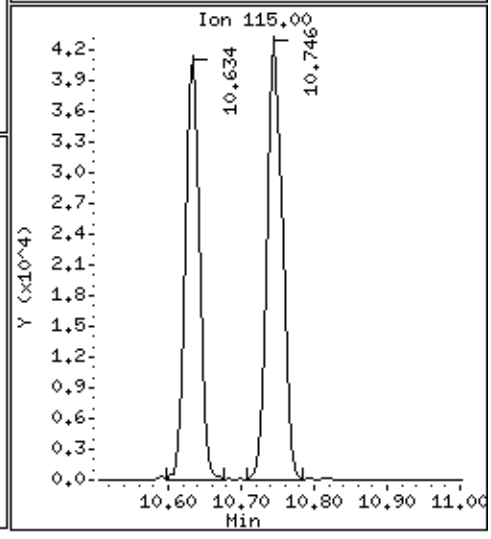


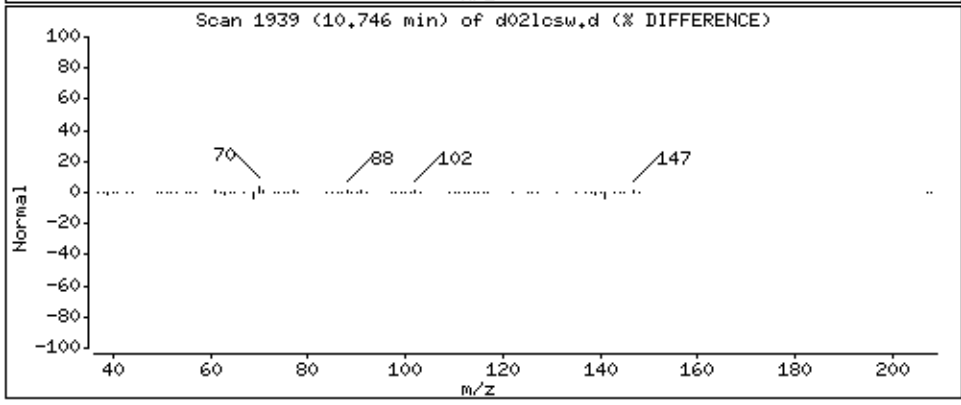












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

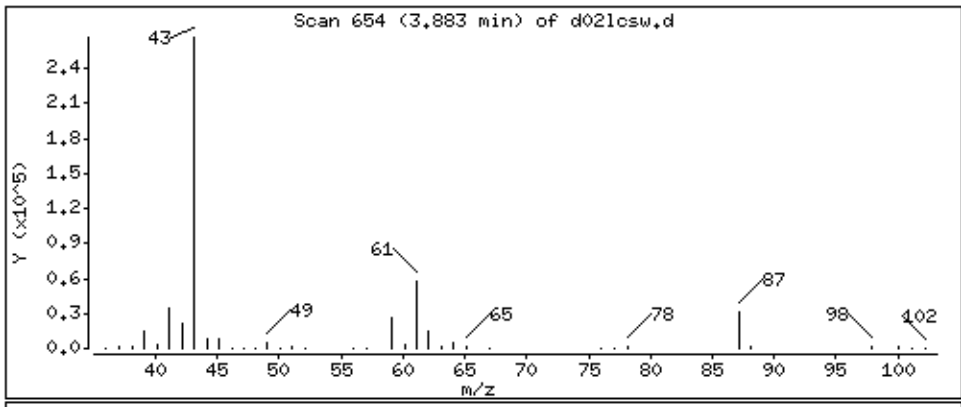
Column phase: DB-624

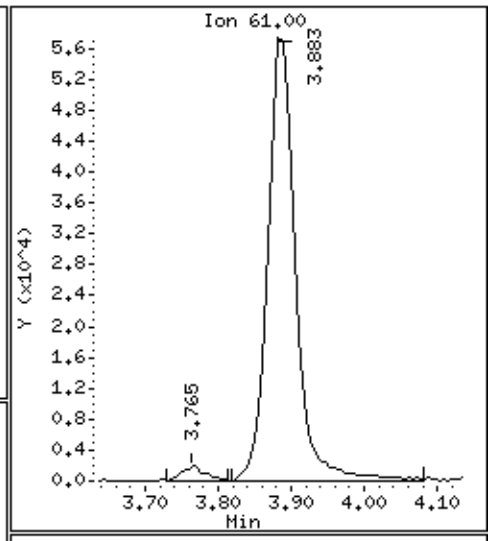
Column diameter: 0.18

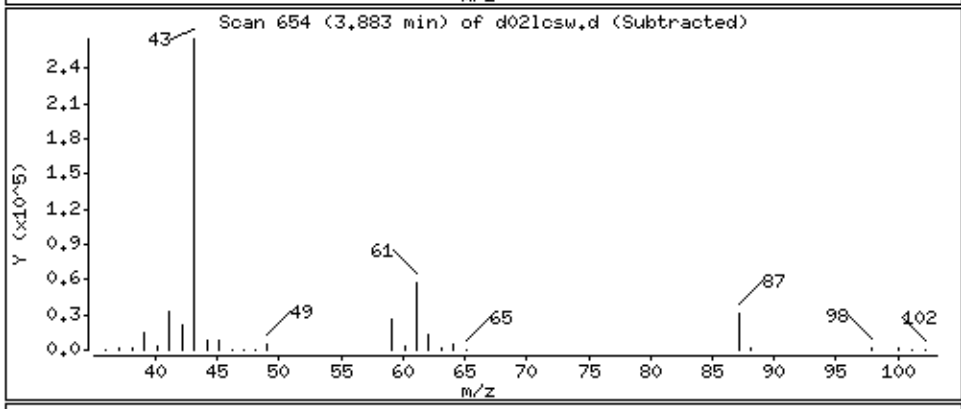
99 Isopropyl Acetate

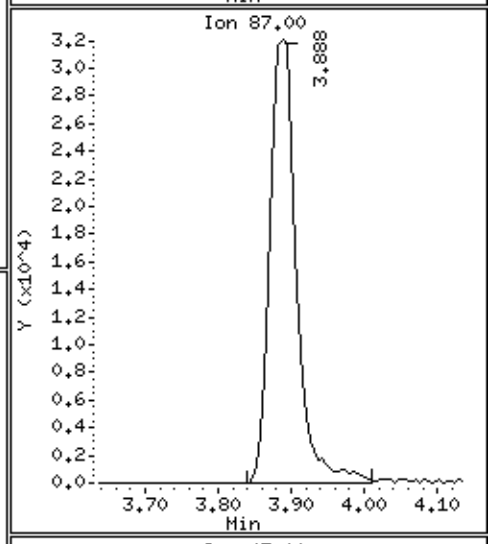
Concentration: 318 ppb

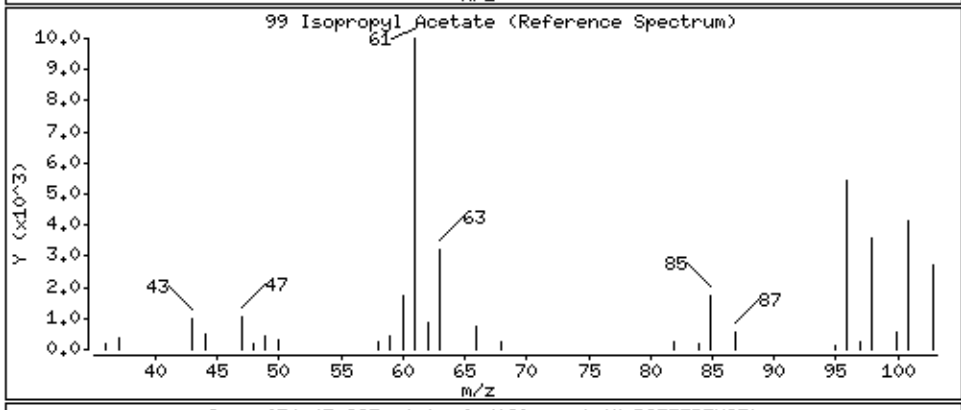
Review Code:

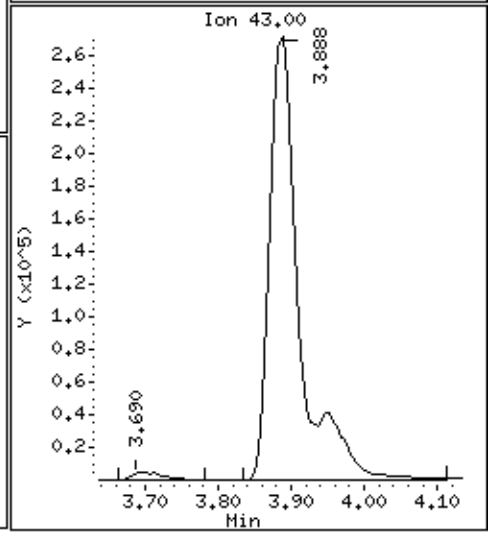


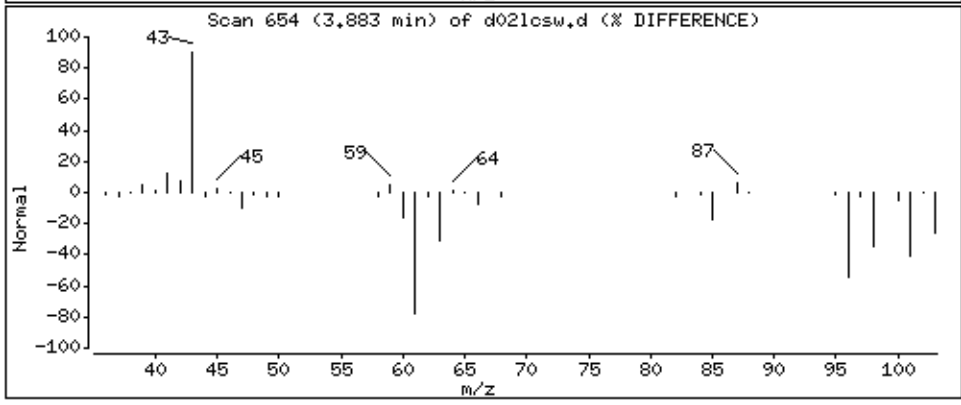












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Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

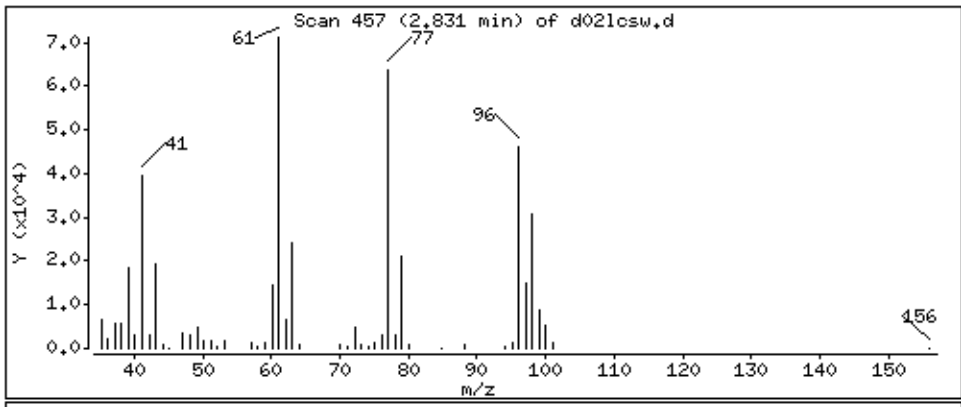
Column phase: DB-624

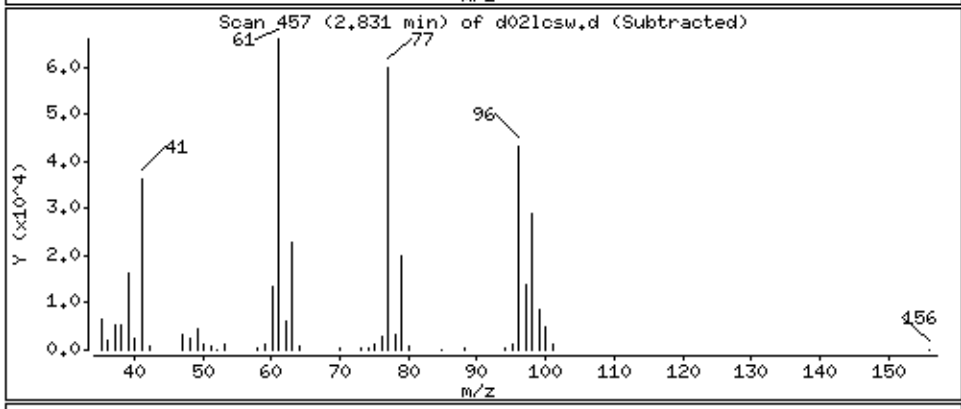
Column diameter: 0.18

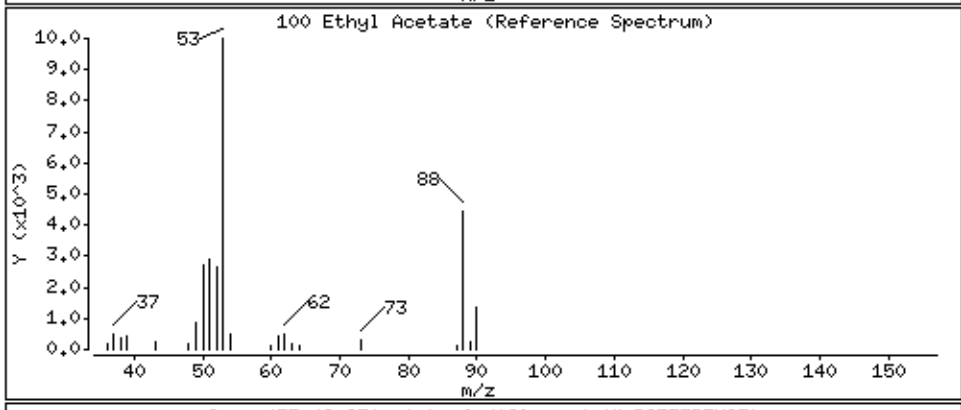
100 Ethyl Acetate

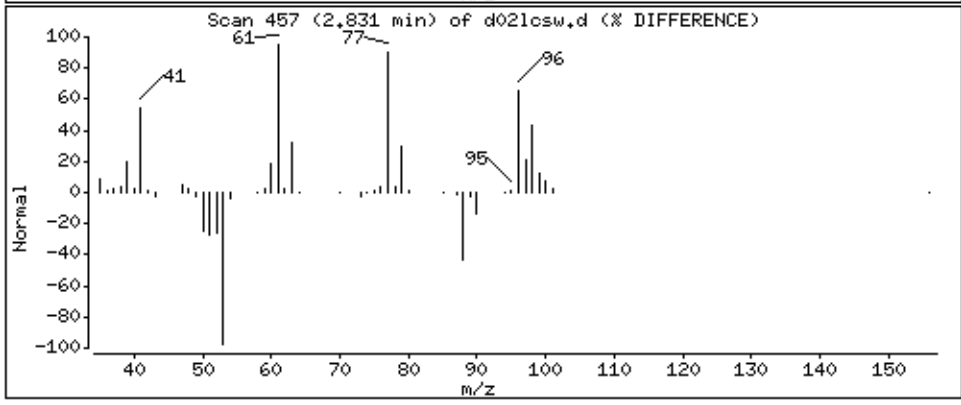
Concentration: 34.3 ppb

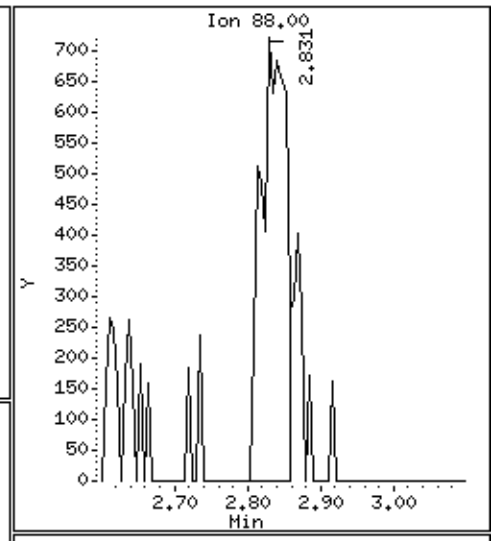
Review Code:

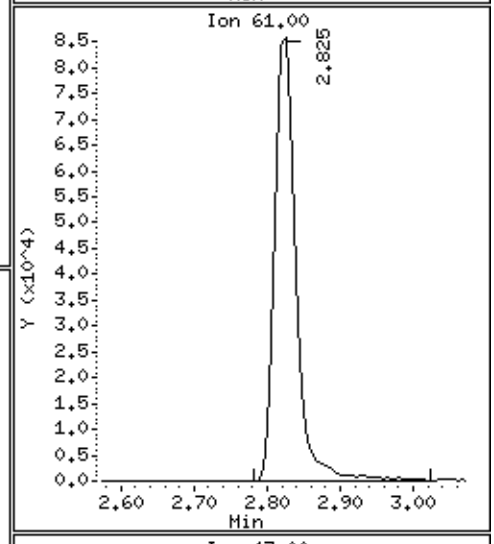


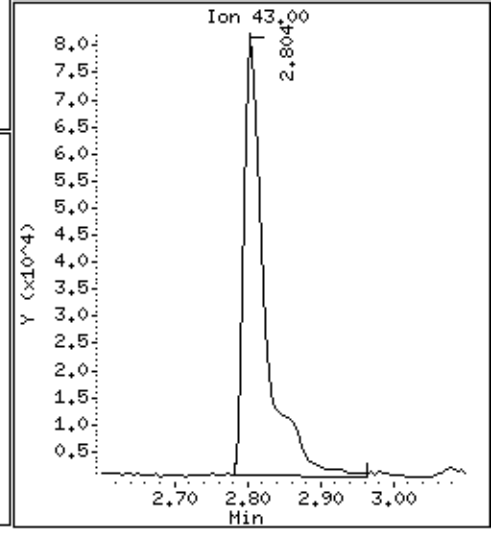












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d02lcsw.d

Date : 07-OCT-2016 01:33

Client ID: MBLCS

Instrument: 50mv3b.i

Sample Info: 1642781,132007:5

Purge Volume: 5.0

Operator: jlz

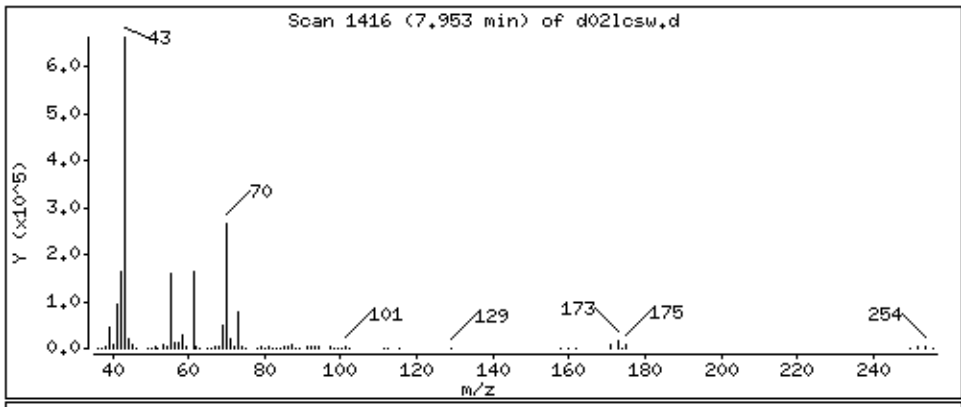
Column phase: DB-624

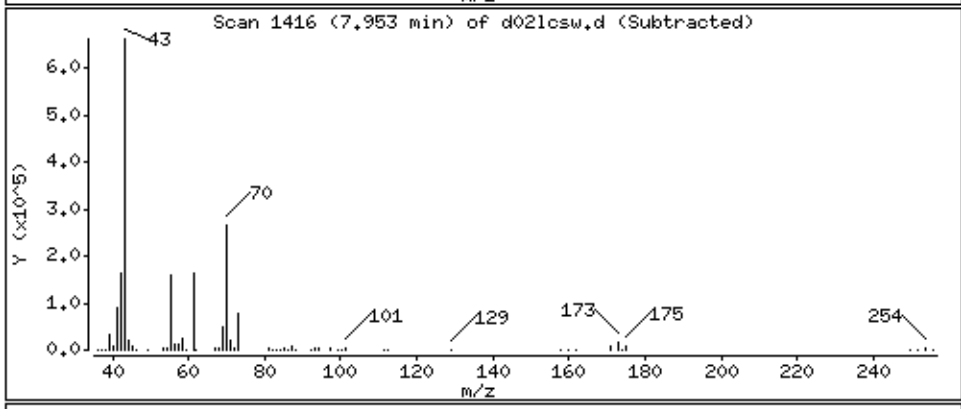
Column diameter: 0.18

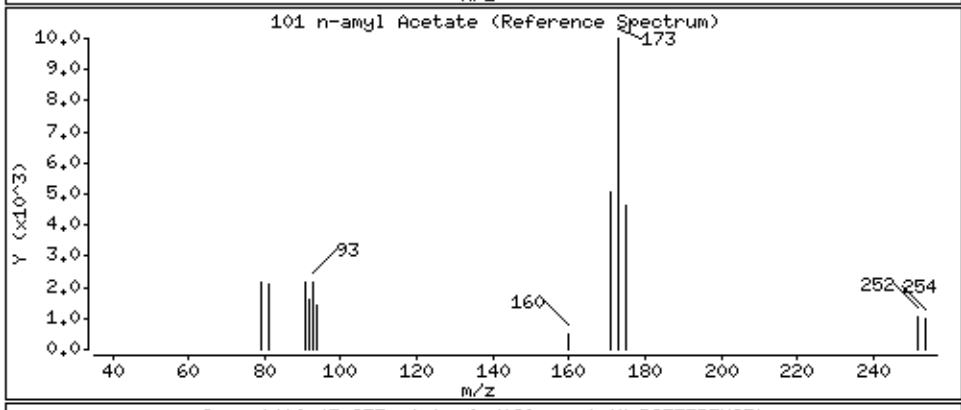
101 n-amyl Acetate

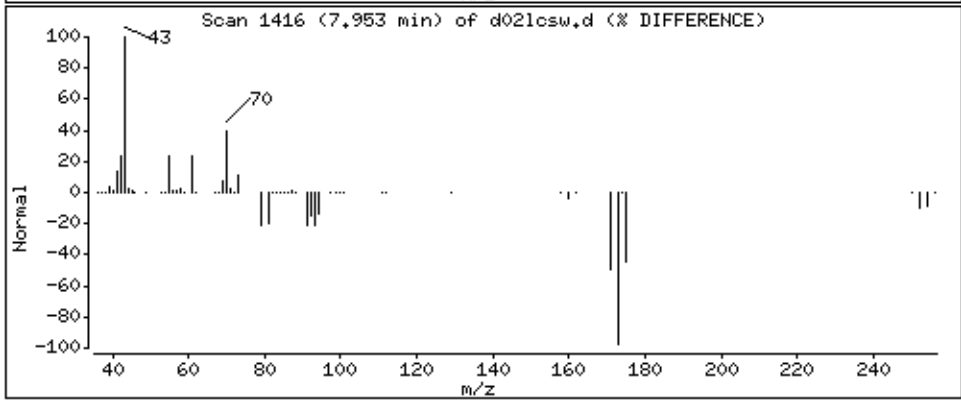
Concentration: 86.7 ppb

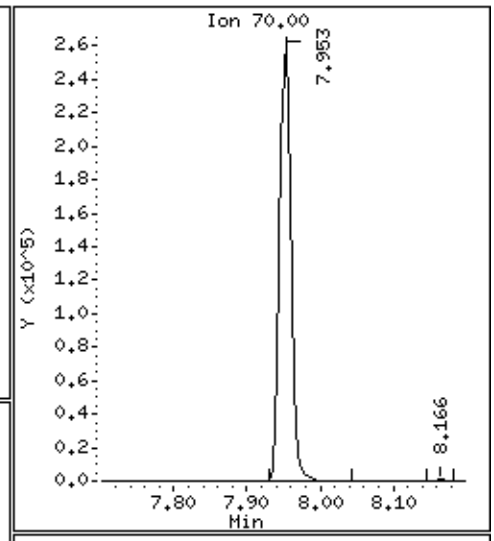
Review Code:

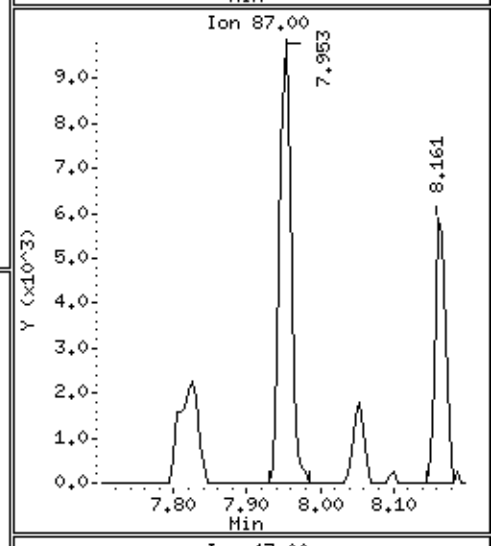


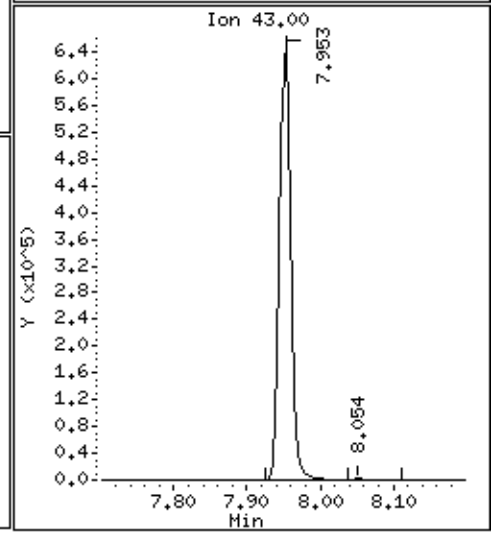












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d02lcsw.d
Injection Date: 07-OCT-2016 01:33
Instrument: 50mv3b.i
Lab Sample ID: 1642781
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:33 Lab Sample ID: 1642782

Date Analyzed: 10/07/2016 09:33 Lab File ID: B100616.B\D17.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	327	
71-43-2	Benzene	41.0	
75-27-4	Bromodichloromethane	46.2	
75-25-2	Bromoform	44.6	
74-83-9	Bromomethane	39.7	
78-93-3	2-Butanone (MEK)	294	
75-15-0	Carbon disulfide	41.9	
56-23-5	Carbon tetrachloride	38.1	
108-90-7	Chlorobenzene	28.1	
75-00-3	Chloroethane	42.4	
67-66-3	Chloroform	41.2	
74-87-3	Chloromethane	38.7	
110-82-7	Cyclohexane	43.7	J
96-12-8	1,2-Dibromo-3-chloropropane	53.6	
124-48-1	Dibromochloromethane	44.5	
106-93-4	1,2-Dibromoethane (EDB)	47.7	
95-50-1	1,2-Dichlorobenzene	23.8	
541-73-1	1,3-Dichlorobenzene	19.8	
106-46-7	1,4-Dichlorobenzene	19.6	
75-71-8	Dichlorodifluoromethane	49.2	
75-34-3	1,1-Dichloroethane	45.7	
107-06-2	1,2-Dichloroethane	43.8	
75-35-4	1,1-Dichloroethene	48.7	
156-59-2	cis-1,2-Dichloroethene	44.4	
156-60-5	trans-1,2-Dichloroethene	42.8	
78-87-5	1,2-Dichloropropane	47.5	
10061-01-5	cis-1,3-Dichloropropene	40.8	
10061-02-6	trans-1,3-Dichloropropene	43.4	
100-41-4	Ethylbenzene	26.0	
591-78-6	2-Hexanone	305	
98-82-8	Isopropylbenzene (Cumene)	20.7	
79-20-9	Methyl acetate	52.7	
108-87-2	Methylcyclohexane	41.1	J
75-09-2	Methylene Chloride	56.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	281	
1634-04-4	Methyl-tert-butyl ether	53.8	
100-42-5	Styrene	28.0	

SAMPLE NO.

MS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 09:33 Lab Sample ID: 1642782

Date Analyzed: 10/07/2016 09:33 Lab File ID: B100616.B\D17.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	50.4	
127-18-4	Tetrachloroethene	24.9	
108-88-3	Toluene	29.7	
120-82-1	1,2,4-Trichlorobenzene	21.0	
71-55-6	1,1,1-Trichloroethane	41.0	
79-00-5	1,1,2-Trichloroethane	49.2	
79-01-6	Trichloroethene	37.0	
75-69-4	Trichlorofluoromethane	43.4	
76-13-1	1,1,2-Trichlorotrifluoroethane	47.3	
75-01-4	Vinyl chloride	47.3	
1330-20-7	Xylene (Total)	75.6	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d
Lab Smp Id: 1642782 Client Smp ID: MW-0603-S1(091716)P
Inj Date : 07-OCT-2016 09:33
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642782,132007:5
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 82 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.913	0.916	(0.219)	118575	49.1602	49.2	
2	Chloromethane	50	0.993	0.996	(0.238)	139040	38.7215	38.7	
3	Vinyl Chloride	62	1.041	1.044	(0.250)	145791	47.3371	47.3	
4	Bromomethane	94	1.186	1.188	(0.284)	53201	39.6687	39.7	
5	Chloroethane	64	1.234	1.236	(0.296)	76449	42.4135	42.4	
6	Trichlorofluoromethane	101	1.351	1.348	(0.324)	144546	43.3939	43.4	
7	Diethyl ether	74	1.474	1.471	(0.353)	55607	52.9975	53.0	
8	1,2-dichlorotrifluoroethane	67	1.490	1.487	(0.357)	115832	44.4827	44.5	
9	Acrolein	56	1.543	1.546	(0.370)	233923	1090.54	1090	
10	1,1,2trichlorotrifluoroethane	101	1.597	1.600	(0.383)	103864	47.2564	47.2	
11	1,1-Dichloroethene	96	1.602	1.600	(0.384)	89567	48.7397	48.7	
12	Acetone	43	1.613	1.610	(0.387)	123594	327.058	327	
13	Iodomethane	142	1.688	1.690	(0.405)	178694	98.9922	99.0	
14	Carbon Disulfide	76	1.736	1.738	(0.416)	260795	41.9157	41.9	
15	Methyl Acetate	43	1.778	1.781	(0.426)	58354	52.7139	52.7	
16	allyl chloride	41	1.794	1.797	(0.430)	335656	89.4607	89.5	
17	Acetonitrile	39	1.794	1.797	(0.430)	199731	37.1216	37.1	
18	Methylene Chloride	84	1.869	1.872	(0.448)	116301	56.7332	56.7	
19	tert-Butyl Alcohol	59	1.912	1.915	(0.458)	16567	115.646	116(Q)	
20	Acrylonitrile	53	2.003	2.005	(0.480)	114054	228.360	228	
21	Methyl-tert-butyl ether	73	2.035	2.032	(0.488)	252285	53.7935	53.8	
22	1,2-Dichloroethene (trans)	96	2.045	2.048	(0.490)	89851	42.7712	42.8	
23	n-Hexane	57	2.227	2.230	(0.534)	180745	43.7860	43.8	

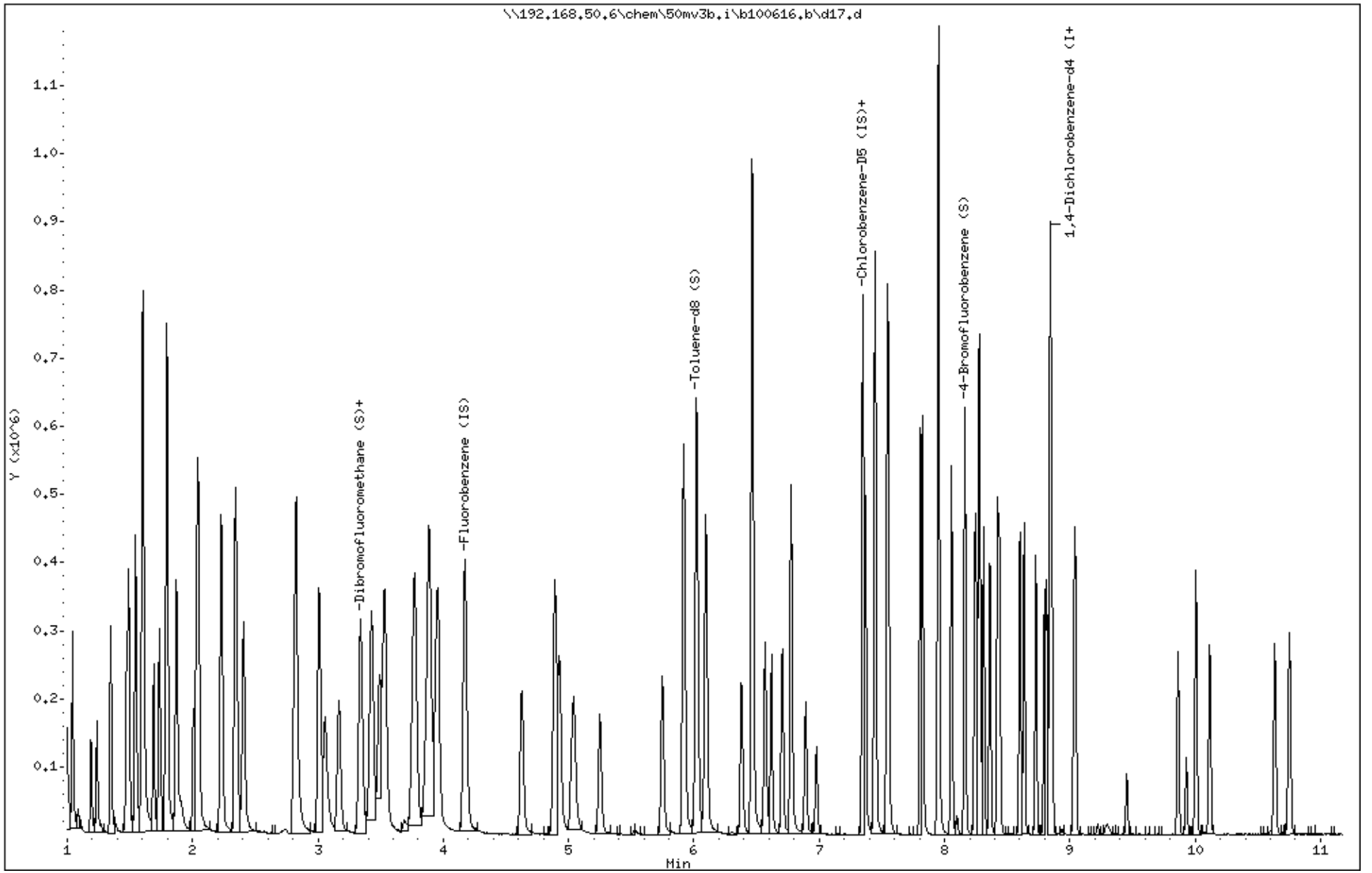
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.339	2.337	(0.561)	422610	140.522	140	
	25 1,1-Dichloroethane	63	2.350	2.347	(0.563)	179675	45.7263	45.7	
	26 Chloroprene	53	2.403	2.406	(0.576)	161023	40.4758	40.5	
	27 2-Butanone	72	2.804	2.807	(0.672)	38871	294.056	294(Q)	
	28 1,2-Dichloroethene (cis)	96	2.820	2.823	(0.676)	98886	44.4483	44.4(Q)	
	29 2,2-Dichloropropane	77	2.825	2.828	(0.677)	126128	40.8200	40.8	
	30 Propionitrile	54	2.868	2.860	(0.688)	7992	42.4432	42.4(Q)	
	31 Methacrylonitrile	41	3.007	3.015	(0.721)	199974	235.290	235	
	32 Bromochloromethane	49	3.055	3.052	(0.732)	78199	45.3012	45.3	
	33 Tetrahydrofuran	42	3.082	3.074	(0.739)	24004	54.8613	54.9	
	34 Chloroform	83	3.167	3.164	(0.759)	153685	41.1551	41.2	
$	35 Dibromofluoromethane (S)	113	3.338	3.341	(0.800)	89722	47.6745	47.7	
	36 1,1,1-Trichloroethane	97	3.343	3.341	(0.802)	137339	40.9532	41.0	
	37 Cyclohexane	56	3.429	3.426	(0.822)	181118	43.7206	43.7	
	151 n-Butyl chloride	56	3.488	3.490	(0.836)	205351	40.1991	40.2	
	38 Carbon Tetrachloride	117	3.530	3.528	(0.846)	113121	38.1000	38.1	
	39 1,1-Dichloropropene	75	3.536	3.533	(0.848)	116982	37.6181	37.6(R)	
	40 Benzene	78	3.776	3.773	(0.905)	351310	41.0386	41.0	
	41 1,2-Dichloroethane	62	3.856	3.859	(0.924)	111837	43.7763	43.8	
	42 Isobutyl alcohol	43	3.888	3.885	(0.932)	644839	50.1818	50.2	
	43 2,2,4-Trimethylpentane	57	3.952	3.950	(0.948)	440166	43.0114	43.0	
*	44 Fluorobenzene (IS)	96	4.171	4.174	(1.000)	408761	50.0000		
	45 Trichloroethene	95	4.625	4.623	(1.109)	75901	36.9662	37.0(R)	
	46 Methylcyclohexane	55	4.892	4.890	(1.173)	136819	41.1098	41.1(R)	
	47 1,2-Dichloropropane	63	4.930	4.927	(1.182)	96079	47.4963	47.5	
	48 Methyl methacrylate	69	5.042	5.045	(1.209)	52988	63.0006	63.0	
	49 Dibromomethane	93	5.026	5.023	(1.205)	44456	47.1781	47.2	
	50 1,4-Dioxane	88	5.031	5.034	(1.206)	13861	1111.26	1110	
	51 Bromodichloromethane	83	5.250	5.253	(1.259)	109107	46.1711	46.2	
	53 cis-1,3-Dichloropropene	75	5.747	5.744	(0.783)	125113	40.7570	40.8	
	54 4-Methyl-2-Pentanone	43	5.918	5.920	(0.806)	376379	281.297	281	
$	55 Toluene-d8 (S)	98	6.019	6.022	(0.820)	398159	46.7970	46.8	
	56 Toluene	91	6.094	6.097	(0.830)	314014	29.6930	29.7(R)	
	57 trans-1,3-Dichloropropene	75	6.377	6.380	(0.868)	103986	43.3527	43.4	
	58 Ethyl Methacrylate	69	6.463	6.465	(0.880)	413949	220.667	221	
	59 1,1,2-Trichloroethane	83	6.564	6.567	(0.894)	57720	49.2460	49.2	
	60 Tetrachloroethene	166	6.617	6.620	(0.901)	58880	24.9151	24.9(R)	
	61 1,3-Dichloropropane	76	6.708	6.706	(0.913)	122482	48.6616	48.7	
	62 2-Hexanone	43	6.778	6.775	(0.923)	266880	304.594	304	
	63 Dibromochloromethane	129	6.890	6.893	(0.938)	75701	44.4986	44.5	
	64 1,2-Dibromoethane	107	6.975	6.973	(0.950)	63384	47.6900	47.7	
*	65 Chlorobenzene-D5 (IS)	117	7.344	7.347	(1.000)	288006	50.0000		
	66 Chlorobenzene	112	7.365	7.368	(1.003)	168808	28.1044	28.1(R)	
	67 1,1,1,2-Tetrachloroethane	131	7.445	7.443	(1.014)	70694	38.0257	38.0	
	68 Ethylbenzene	106	7.451	7.448	(1.015)	86487	25.9864	26.0(R)	
	69 m&p-Xylene	106	7.547	7.549	(1.028)	198285	48.3193	48.3(R)	
	70 o-Xylene	106	7.808	7.811	(1.063)	102861	27.2326	27.2(R)	
	71 Styrene	104	7.825	7.822	(1.065)	177405	27.9736	28.0(R)	
	72 Bromoform	173	7.942	7.945	(0.898)	40014	44.5523	44.6	
	73 Isopropylbenzene	105	8.054	8.052	(1.097)	226915	20.6981	20.7(R)	
$	74 4-Bromofluorobenzene (S)	95	8.166	8.164	(1.112)	140982	52.6408	52.6	
	75 Bromobenzene	77	8.241	8.244	(1.122)	106530	29.0542	29.0(R)	
	76 1,1,2,2-Tetrachloroethane	83	8.257	8.254	(0.934)	80135	50.3590	50.4	
	77 trans-1,4-Dichloro-2-butene	53	8.273	8.276	(1.127)	89024	182.524	182(Q)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	1,2,3-Trichloropropane	110	8.284	8.287	(0.937)	25976	55.4220	55.4(Q)	
79	n-Propylbenzene	91	8.311	8.313	(0.940)	215755	17.6471	17.6(R)	
80	2-Chlorotoluene	91	8.359	8.361	(0.946)	153421	22.2090	22.2(R)	
81	1,3,5-Trimethylbenzene	105	8.423	8.420	(0.953)	155852	18.6619	18.7(R)	
82	4-Chlorotoluene	126	8.433	8.436	(0.954)	48262	19.6938	19.7(R)	
83	tert-Butylbenzene	119	8.604	8.602	(0.973)	138711	14.2893	14.3(R)	
84	1,2,4-Trimethylbenzene	105	8.636	8.634	(0.977)	159928	18.6917	18.7(R)	
85	sec-Butylbenzene	105	8.727	8.730	(0.987)	172060	14.9518	15.0(R)	
86	1,3-Dichlorobenzene	146	8.797	8.794	(0.995)	90483	19.8304	19.8(R)	
87	p-Isopropyltoluene	119	8.813	8.815	(0.997)	126892	13.0721	13.1(R)	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.842	(1.000)	139840	50.0000		
89	1,4-Dichlorobenzene	146	8.855	8.853	(1.002)	92775	19.6352	19.6(R)	
90	n-Butylbenzene	91	9.032	9.029	(1.022)	92210	10.3832	10.4(R)	
91	1,2-Dichlorobenzene	146	9.042	9.045	(1.023)	98844	23.8221	23.8(R)	
92	1,2-Dibromo-3-chloropropane	155	9.454	9.456	(1.069)	12385	53.5512	53.6	
93	1,2,4-Trichlorobenzene	180	9.865	9.867	(1.116)	57406	21.0174	21.0(R)	
94	Hexachlorobutadiene	225	9.929	9.932	(1.123)	14038	8.41849	8.42(R)	
95	Naphthalene	128	10.004	10.006	(1.132)	215896	39.7782	39.8	
96	1,2,3-Trichlorobenzene	180	10.116	10.124	(1.144)	65881	26.7762	26.8(R)	
97	2,methyl-naphthalene	142	10.634	10.642	(1.203)	108014	33.4755	33.5	
98	1-Methylnaphthalene	142	10.751	10.759	(1.216)	123090	46.0867	46.1	
99	Isopropyl Acetate	61	3.883	3.885	(0.931)	125261	276.320	276	
100	Ethyl Acetate	88	2.825	2.849	(0.677)	1326	27.4018	27.4(Q)	
101	n-amyl Acetate	70	7.953	7.950	(1.906)	152410	52.0835	52.1	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d
Date : 07-OCT-2016 09:33
Client ID: MW-0603-S1(091716)P
Instrument: 50mv3b.i
Sample Info: 1642782,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

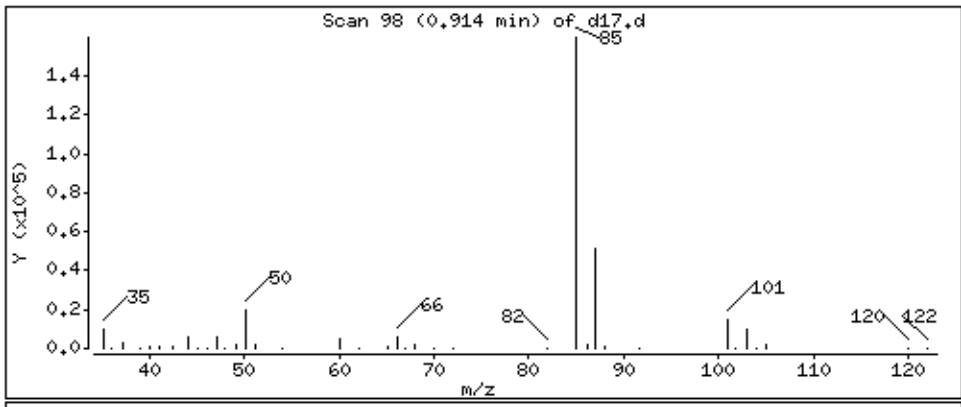
Column phase: DB-624

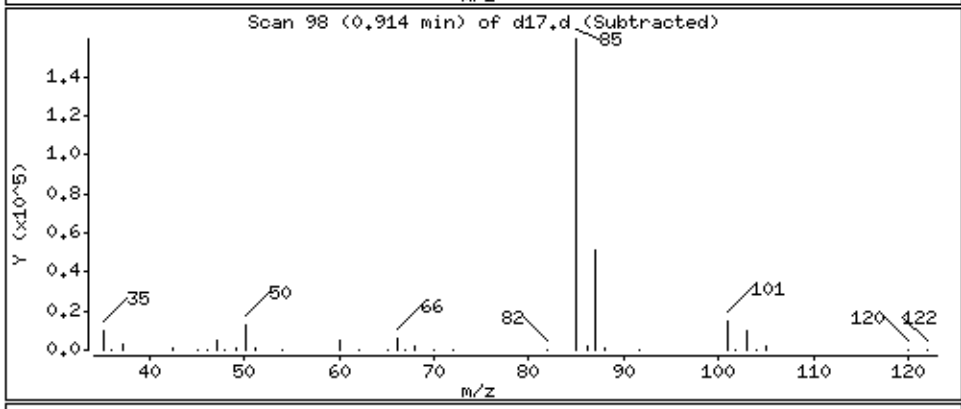
Column diameter: 0.18

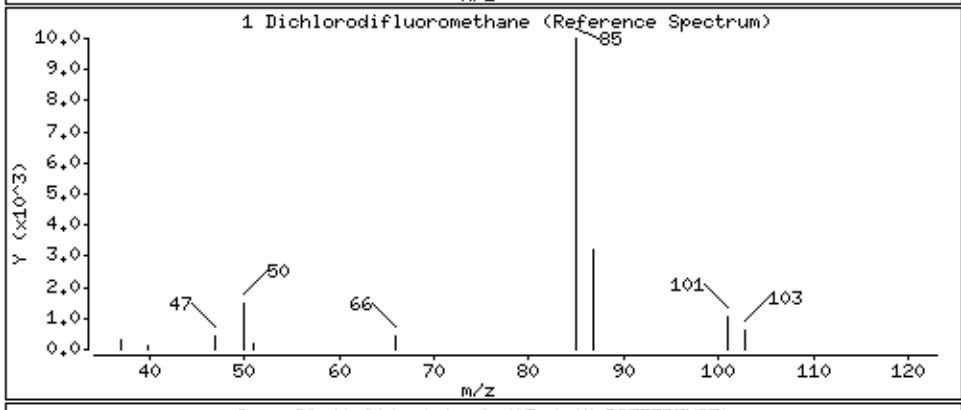
1 Dichlorodifluoromethane

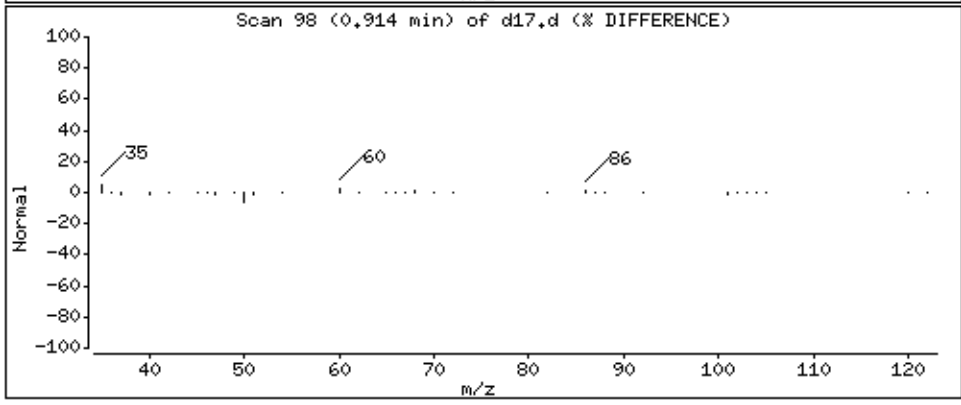
Concentration: 49.2 ppb

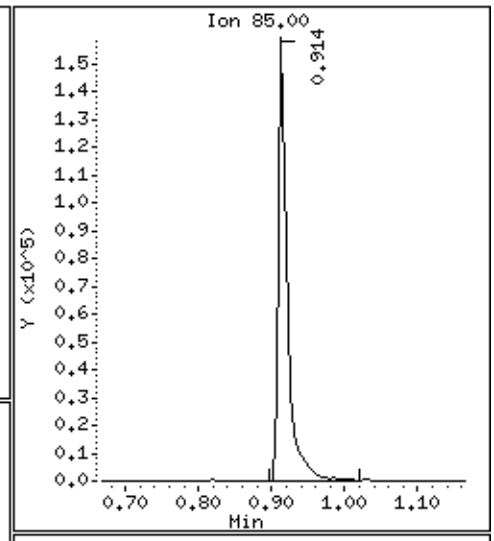
Review Code:

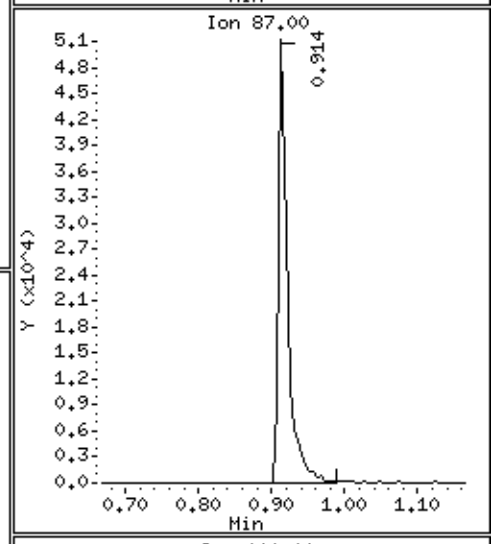


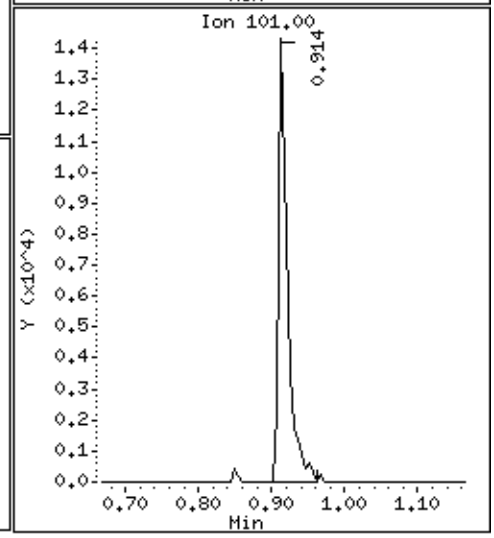












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

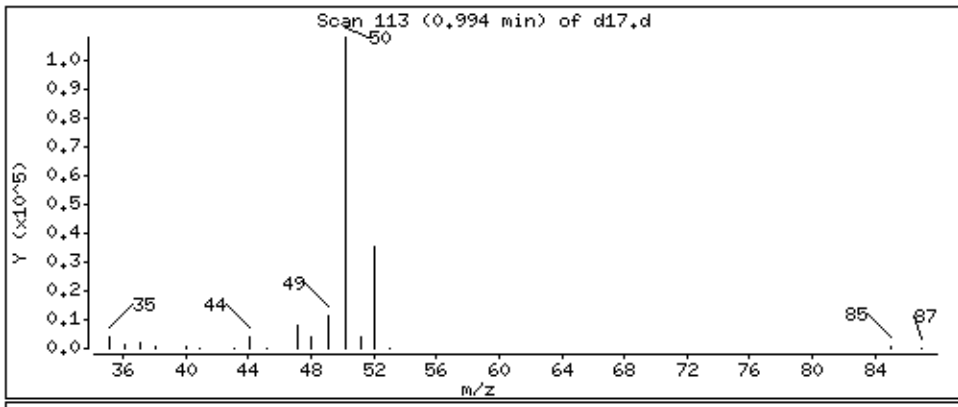
Column phase: DB-624

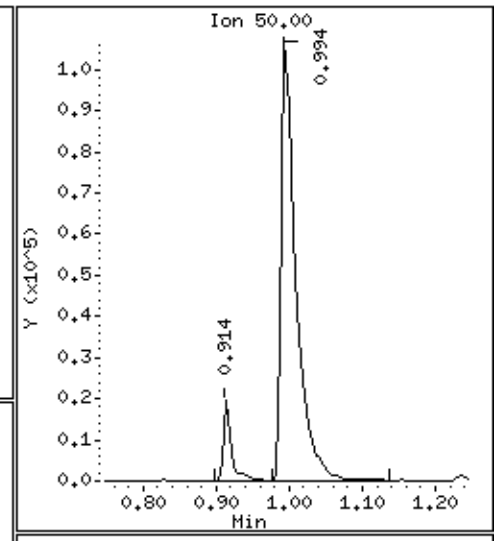
Column diameter: 0.18

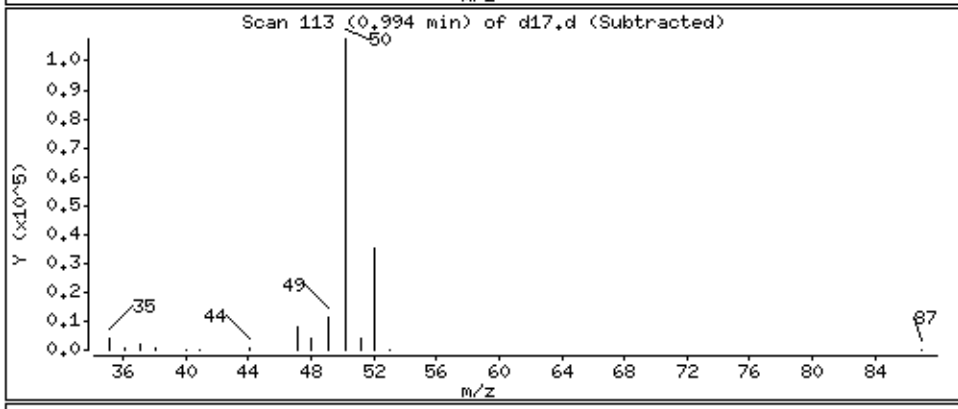
2 Chloromethane

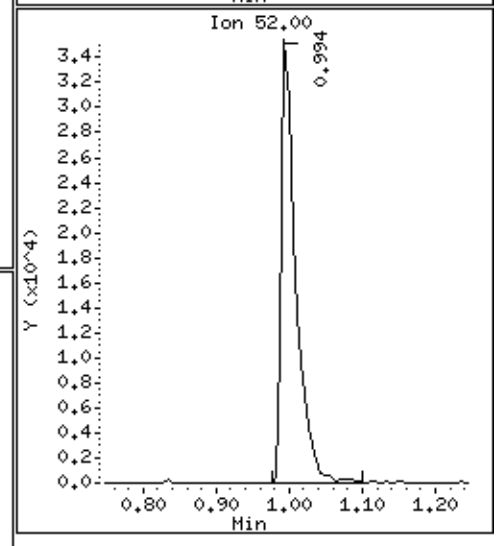
Concentration: 38.7 ppb

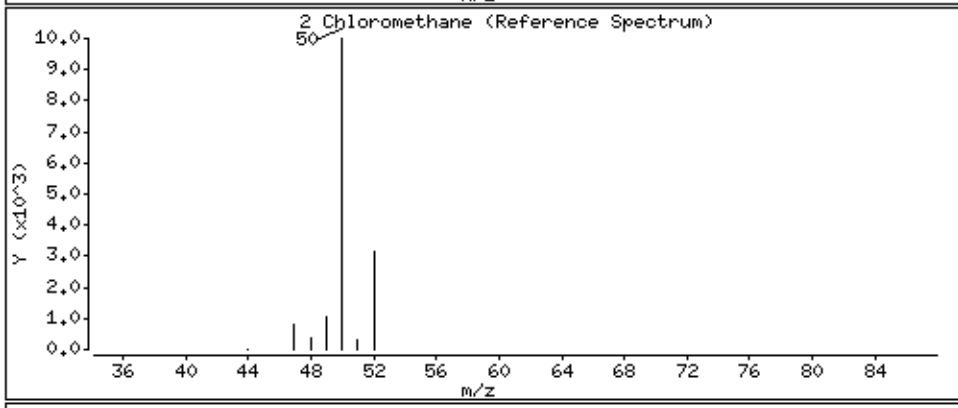
Review Code:

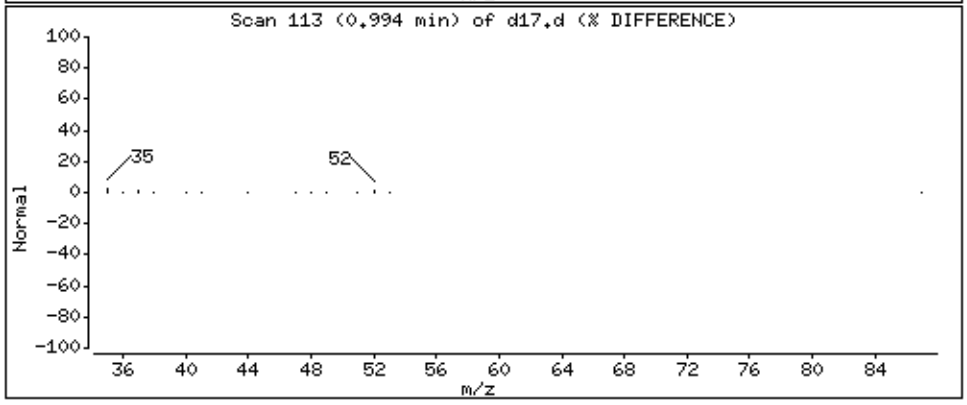












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

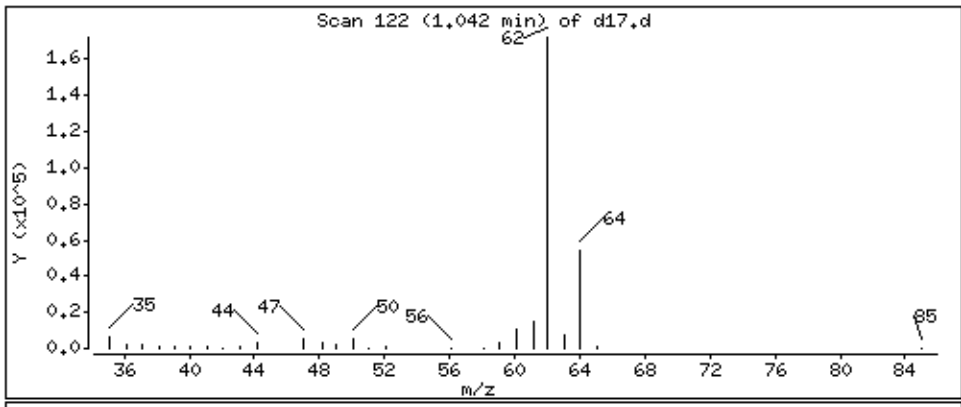
Column phase: DB-624

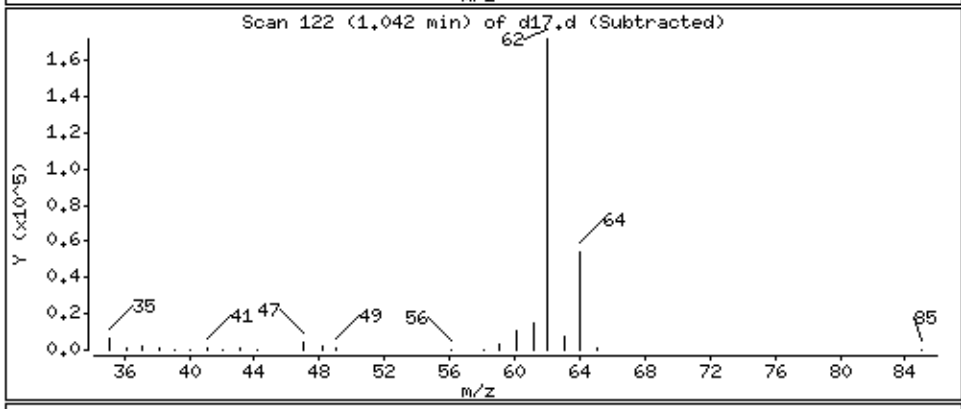
Column diameter: 0.18

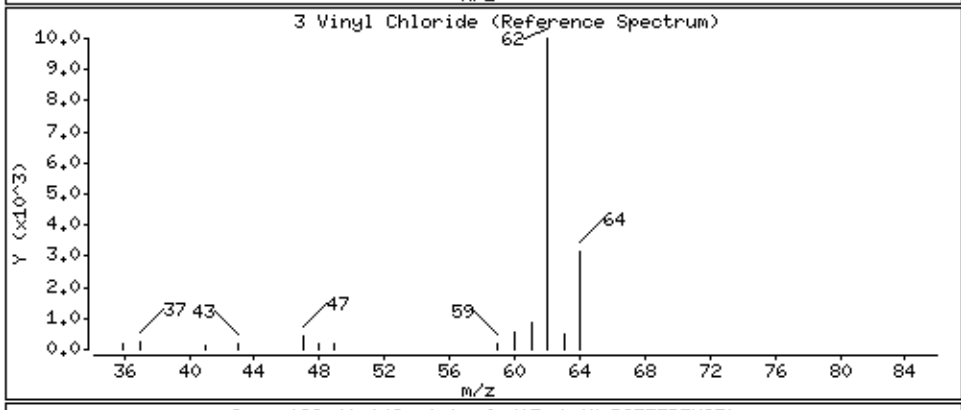
3 Vinyl Chloride

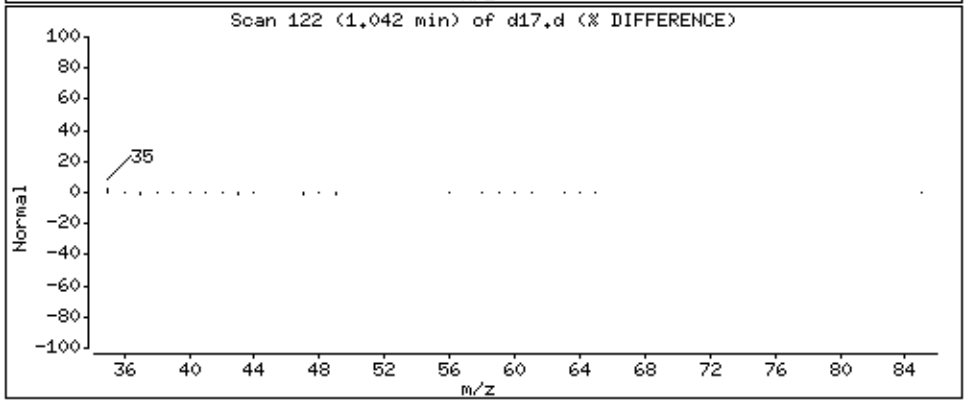
Concentration: 47.3 ppb

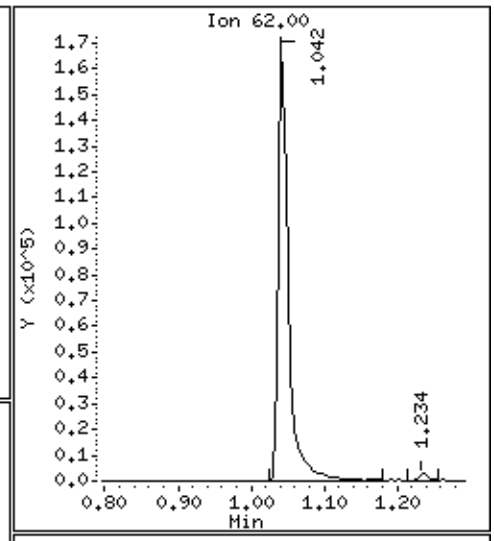
Review Code:

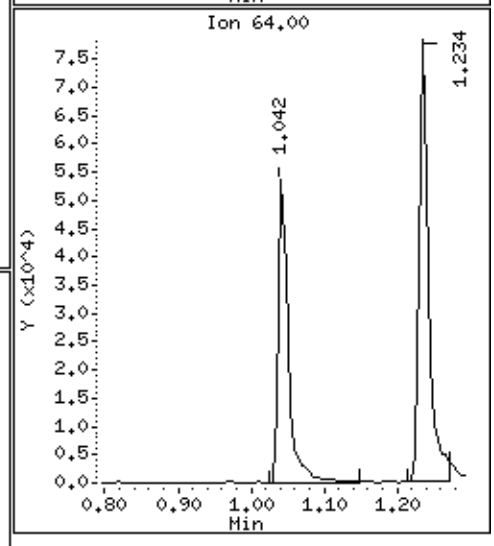












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

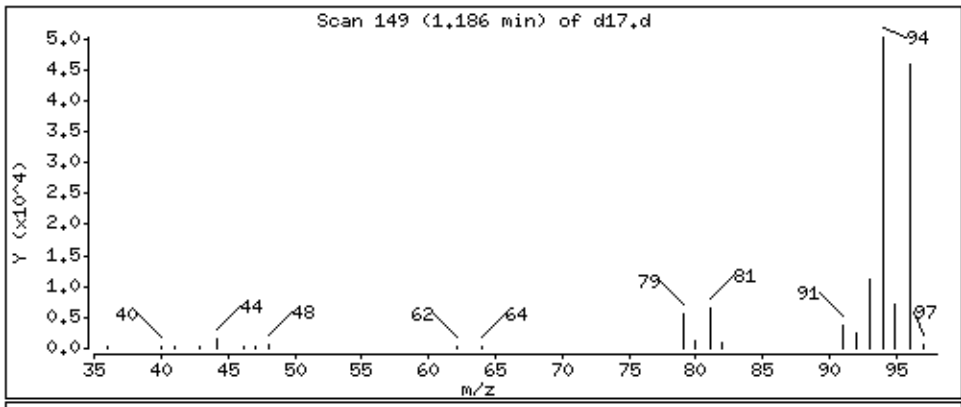
Column phase: DB-624

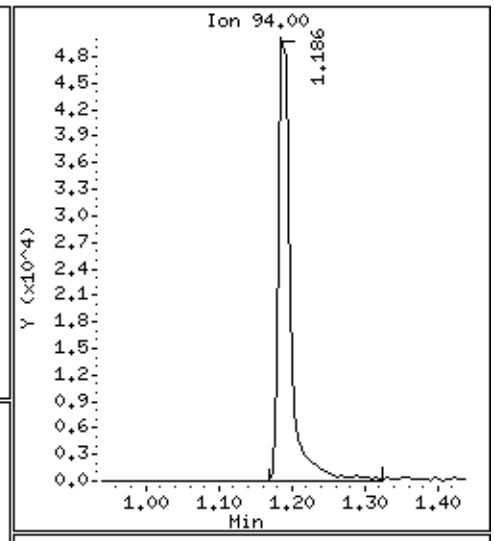
Column diameter: 0.18

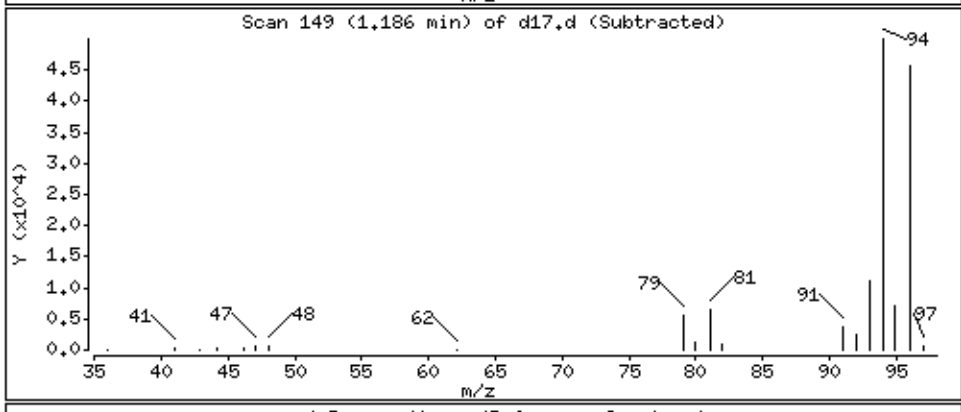
4 Bromomethane

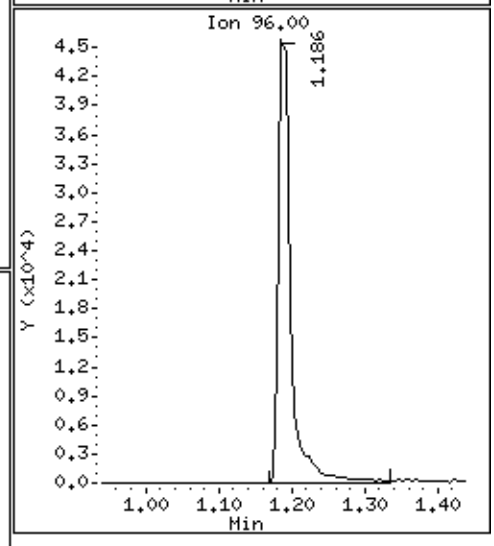
Concentration: 39.7 ppb

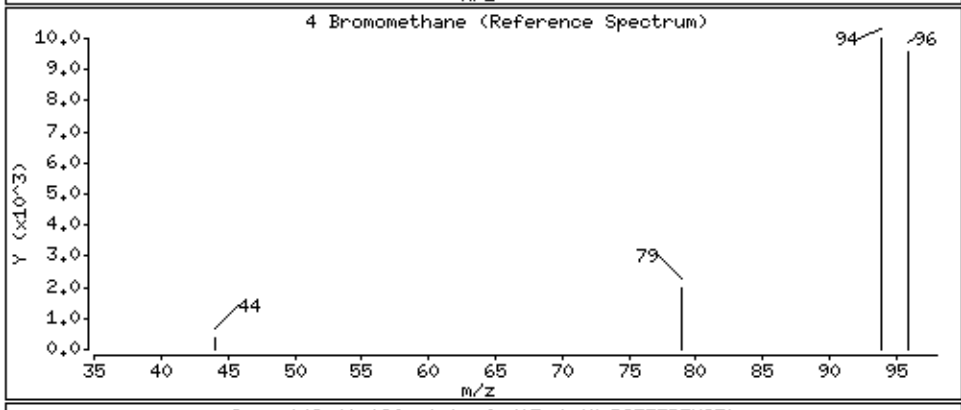
Review Code:

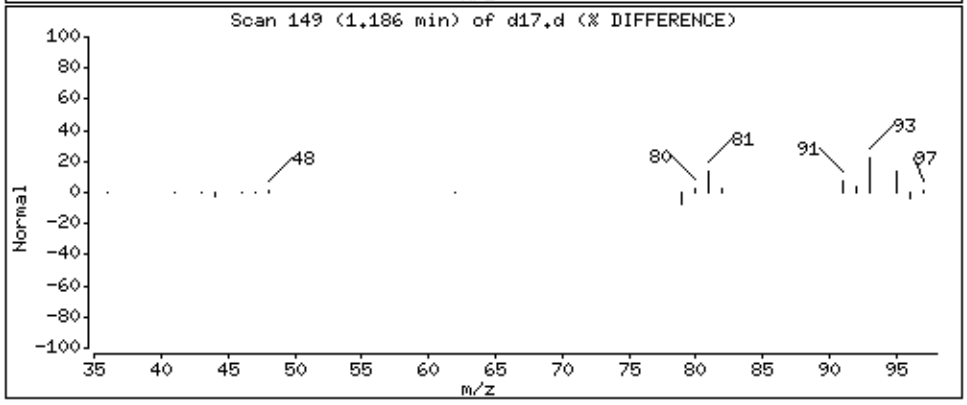












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

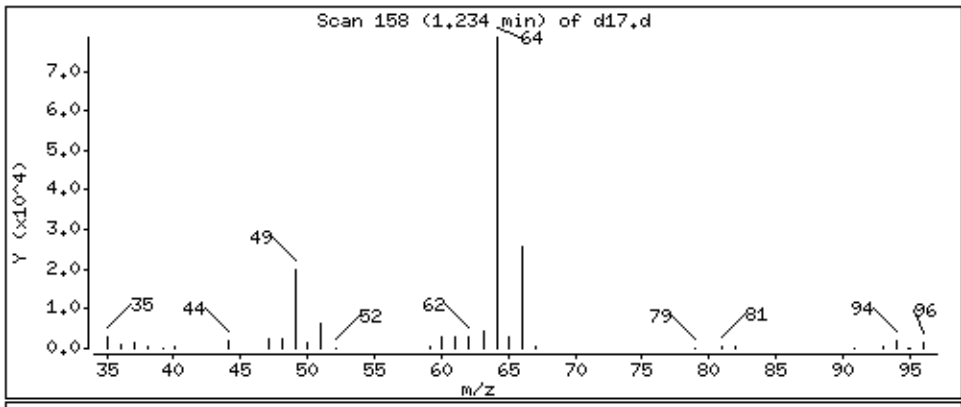
Column phase: DB-624

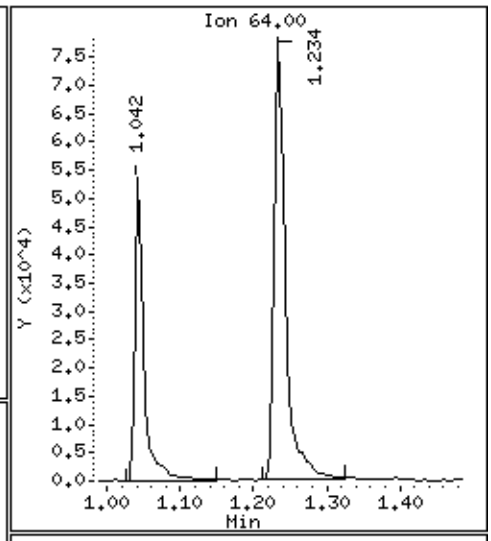
Column diameter: 0.18

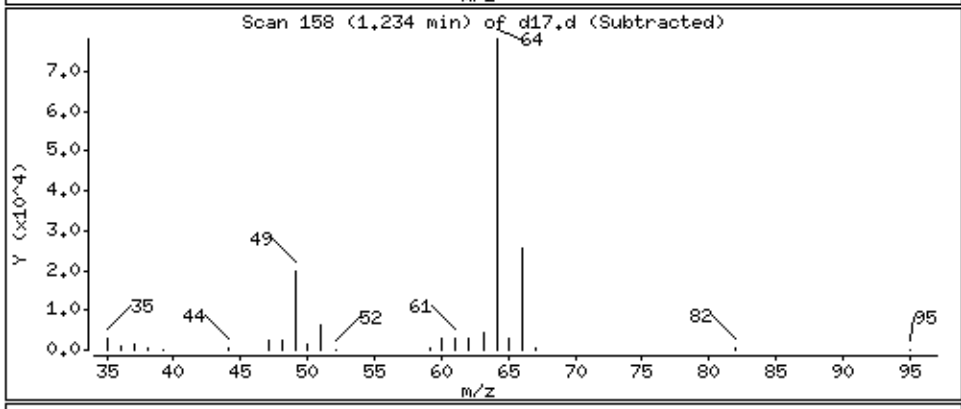
5 Chloroethane

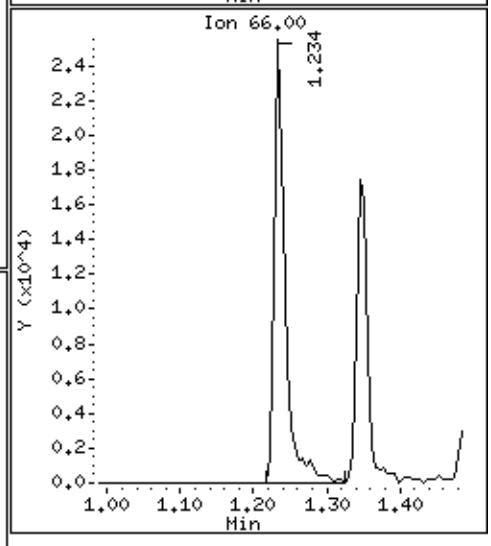
Concentration: 42.4 ppb

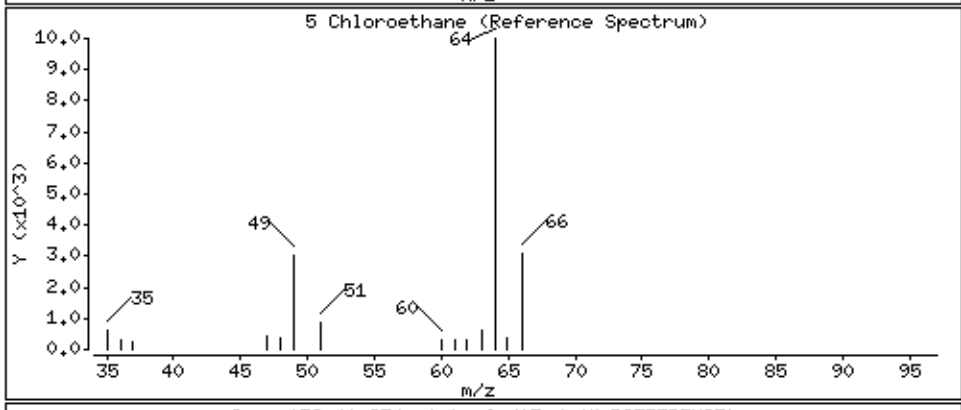
Review Code:

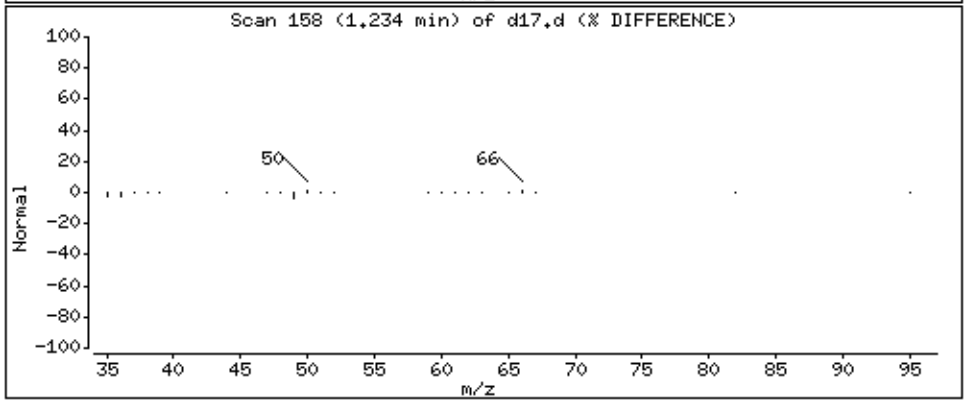












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

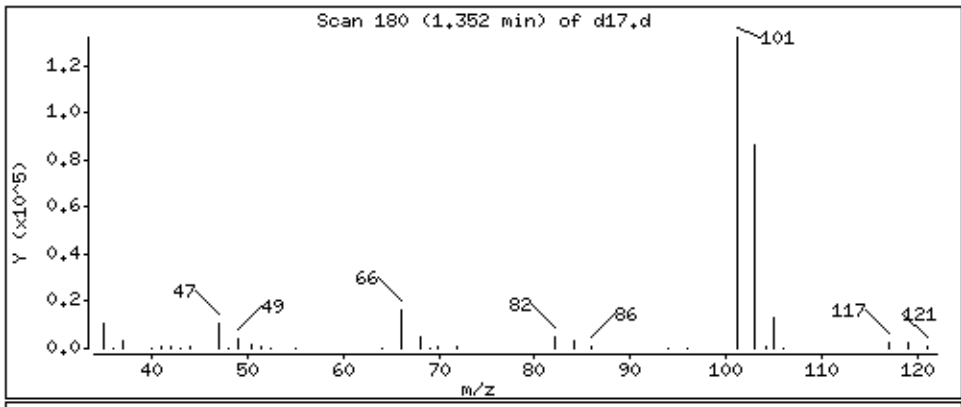
Column phase: DB-624

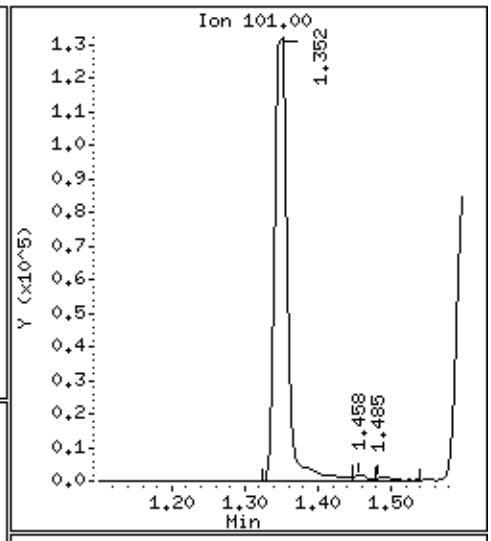
Column diameter: 0.18

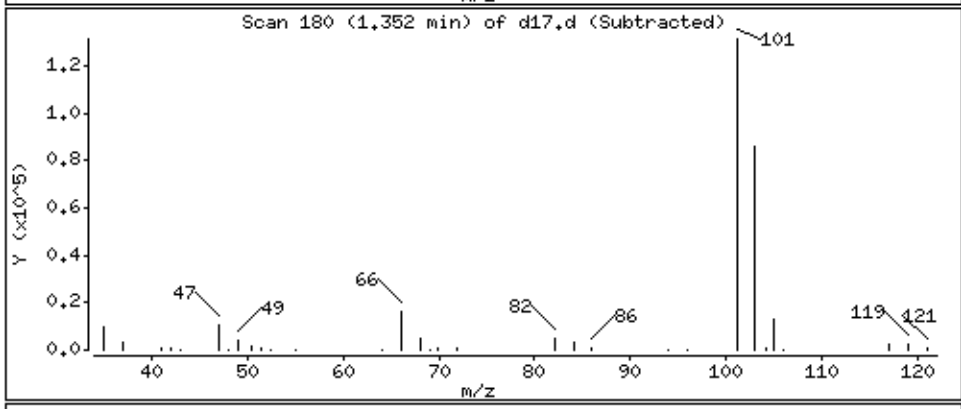
6 Trichlorofluoromethane

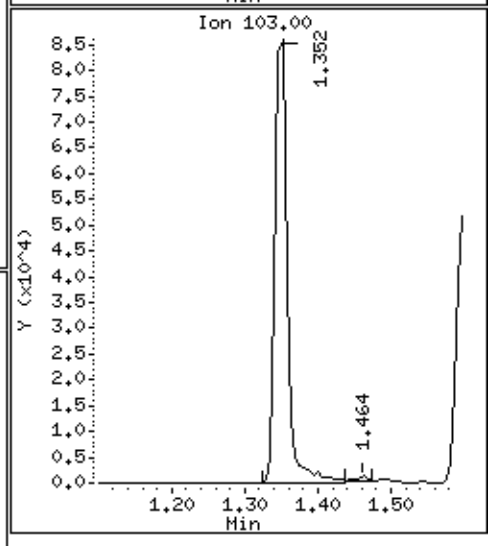
Concentration: 43.4 ppb

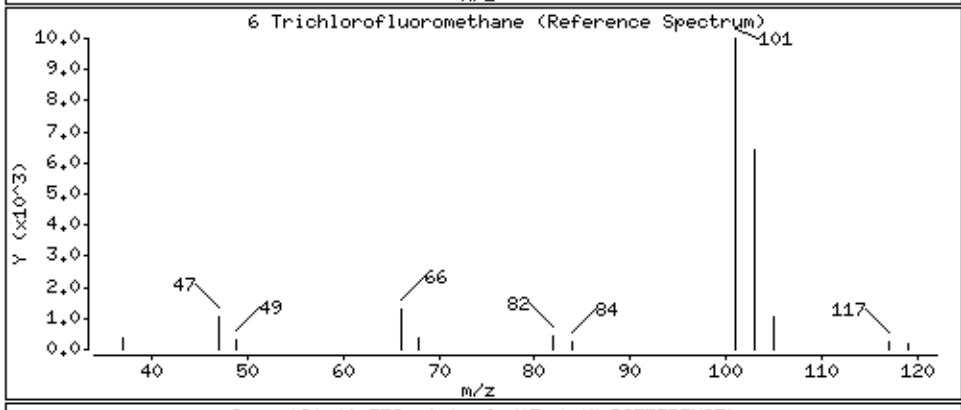
Review Code:

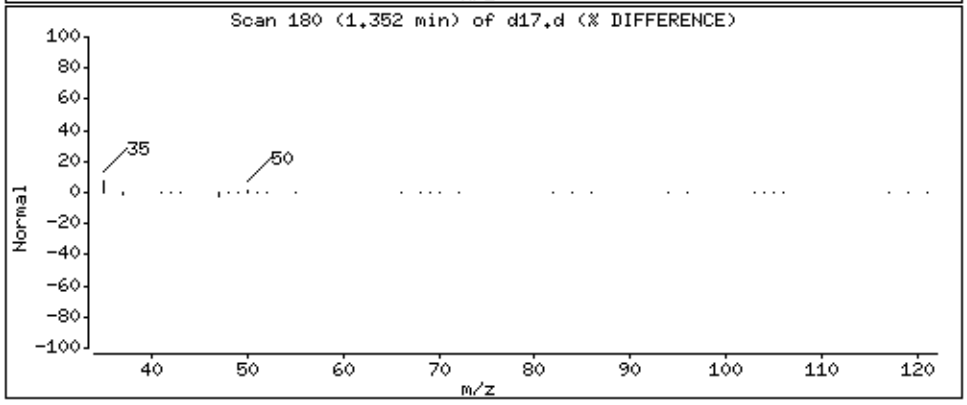












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

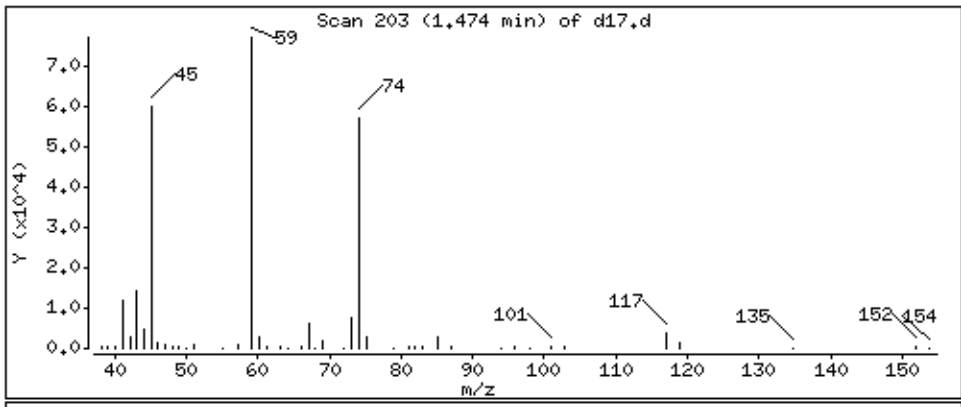
Column phase: DB-624

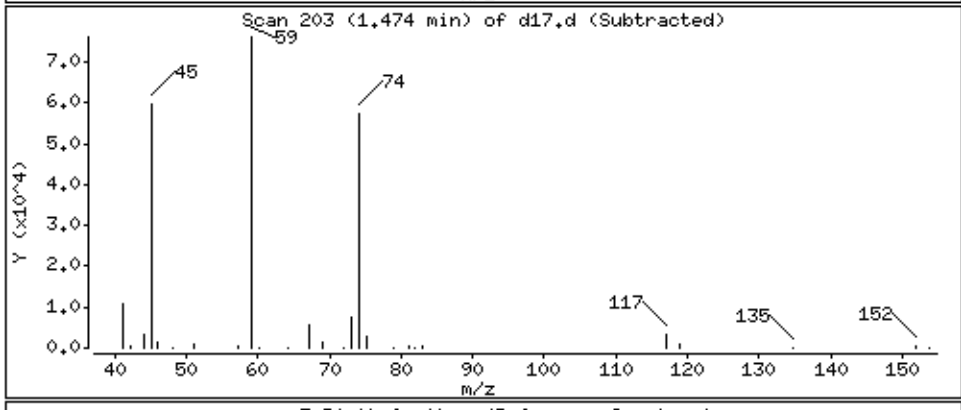
Column diameter: 0.18

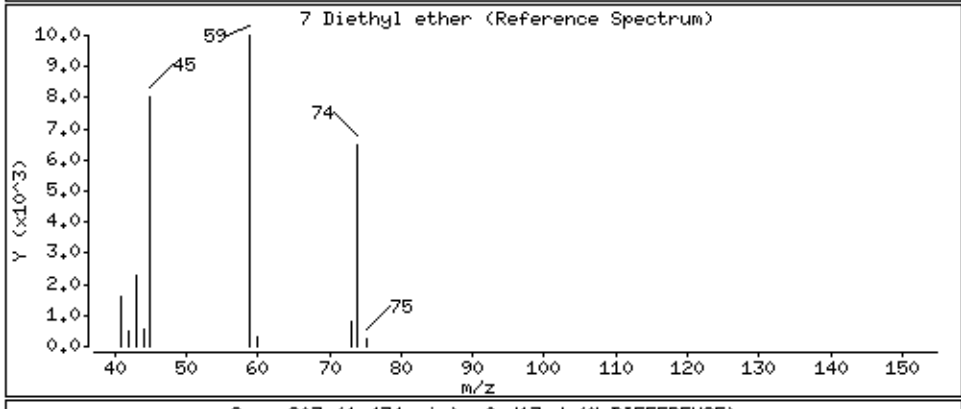
7 Diethyl ether

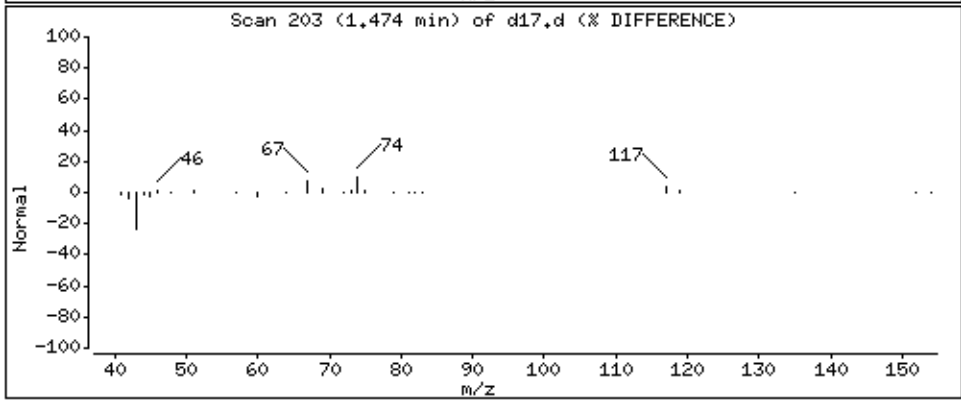
Concentration: 53.0 ppb

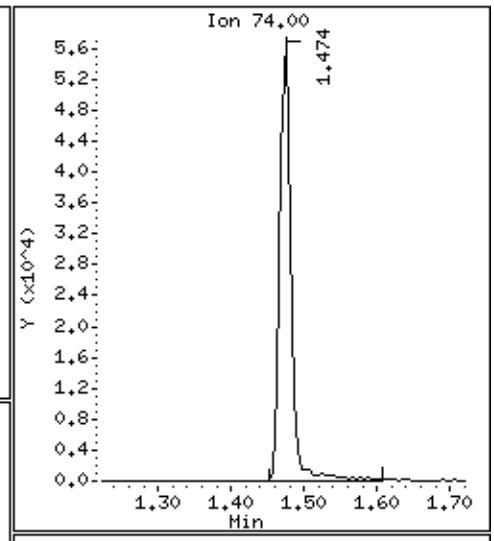
Review Code:

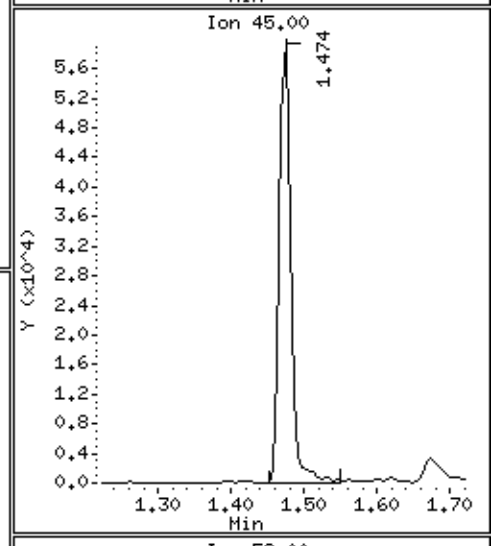


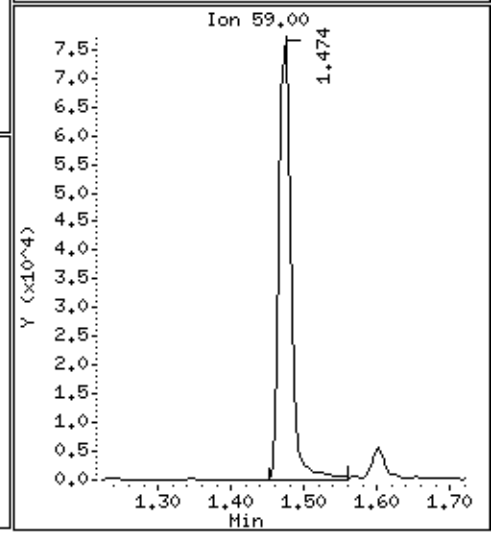












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

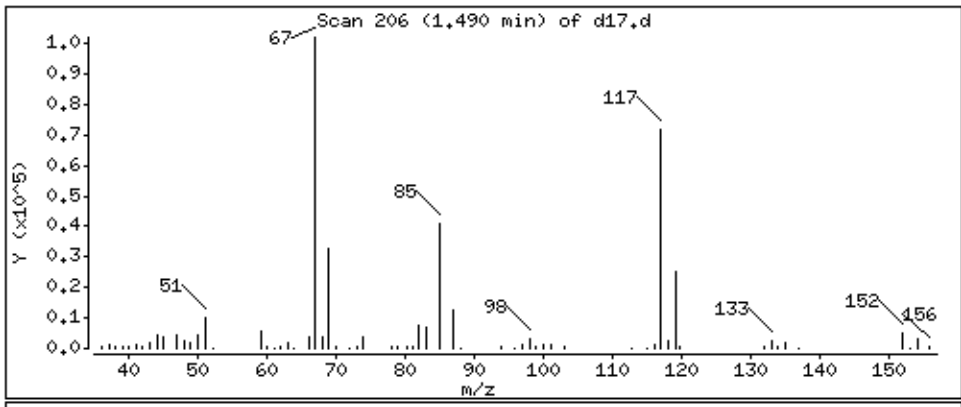
Column phase: DB-624

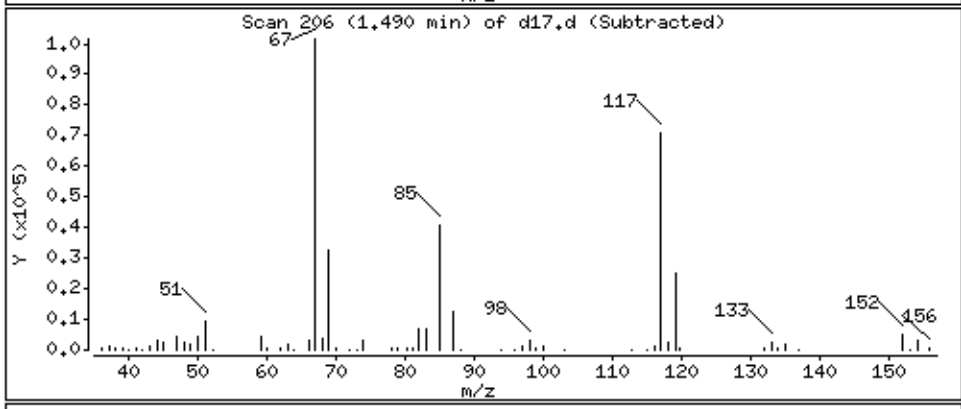
Column diameter: 0.18

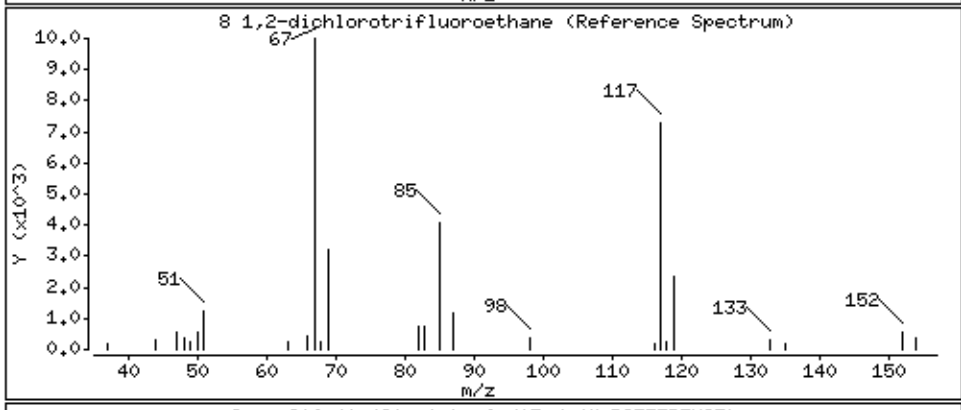
8 1,2-dichlorotrifluoroethane

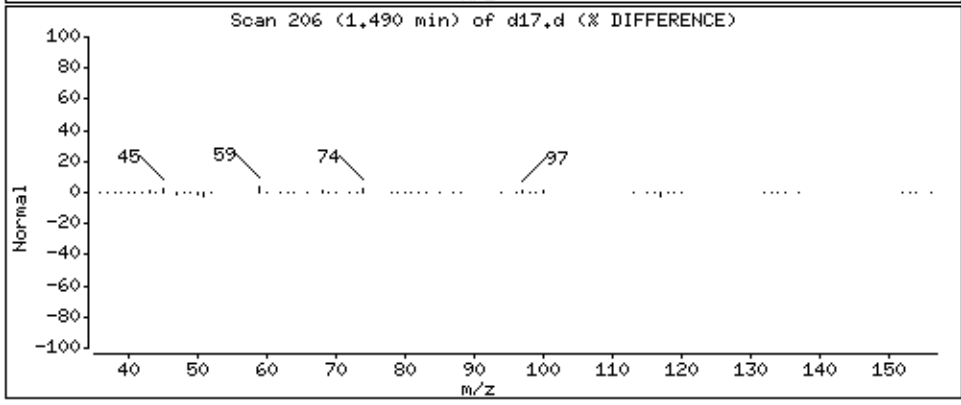
Concentration: 44.5 ppb

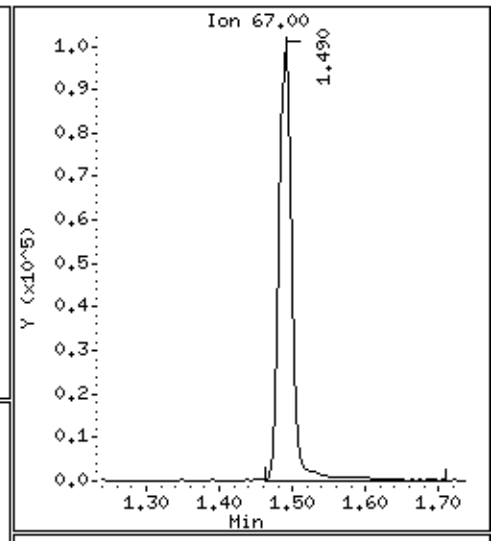
Review Code:

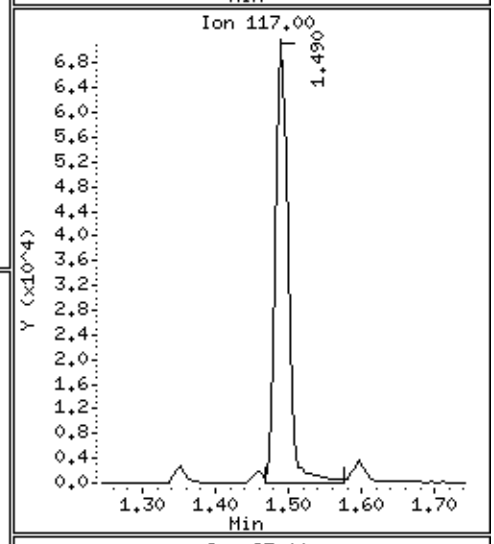


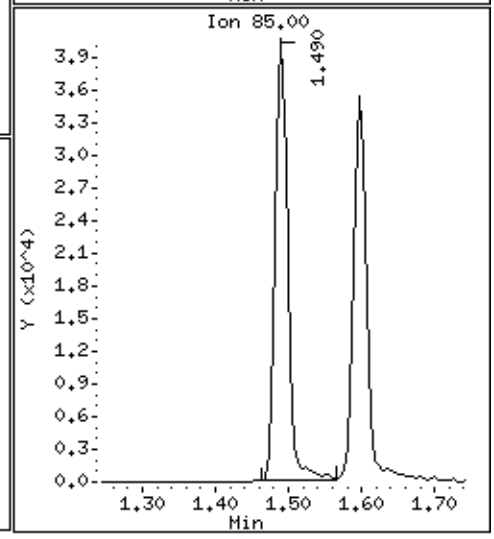












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

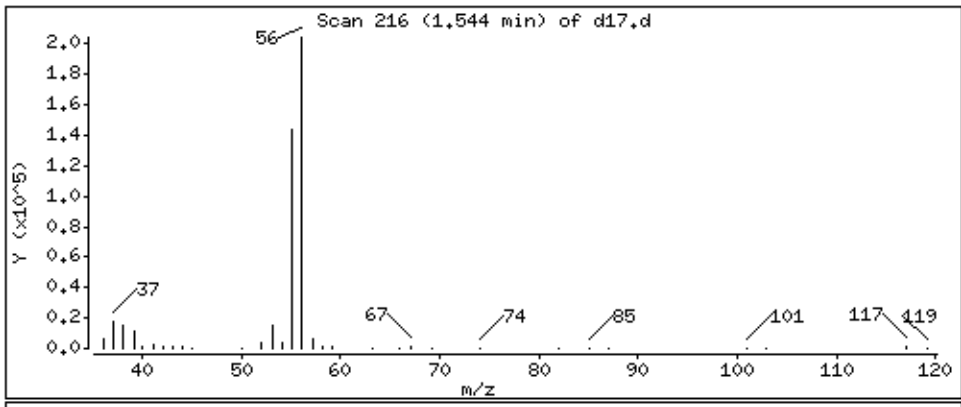
Column phase: DB-624

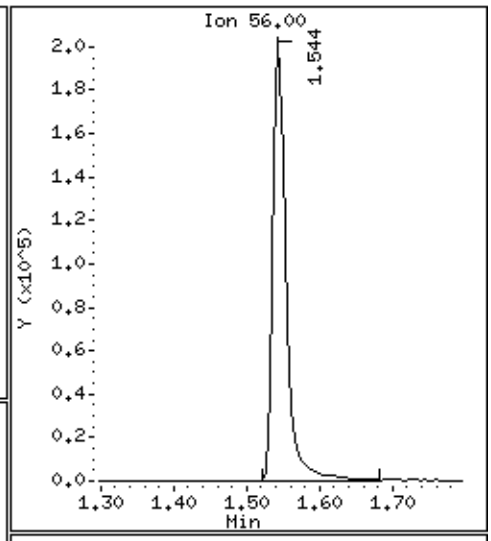
Column diameter: 0.18

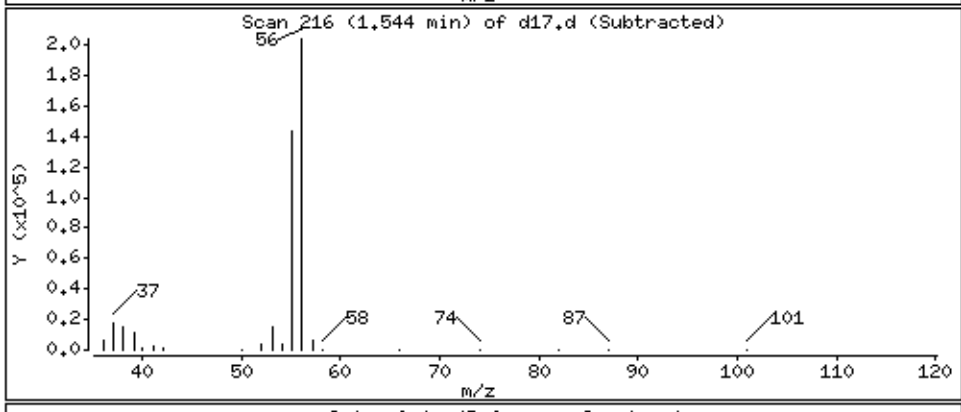
9 Acrolein

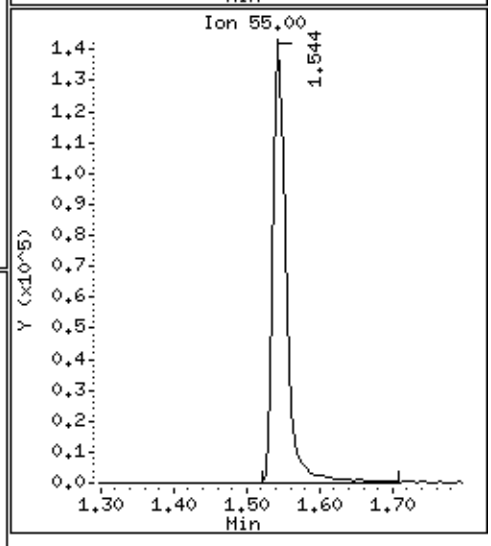
Concentration: 1090 ppb

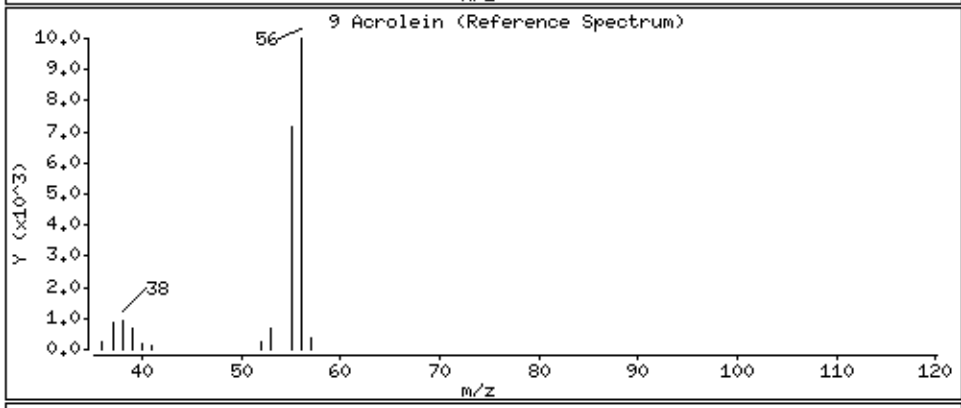
Review Code:

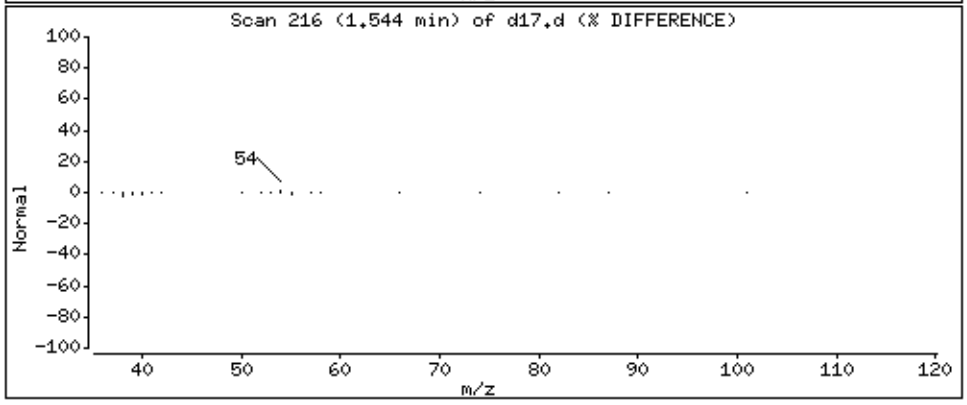












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

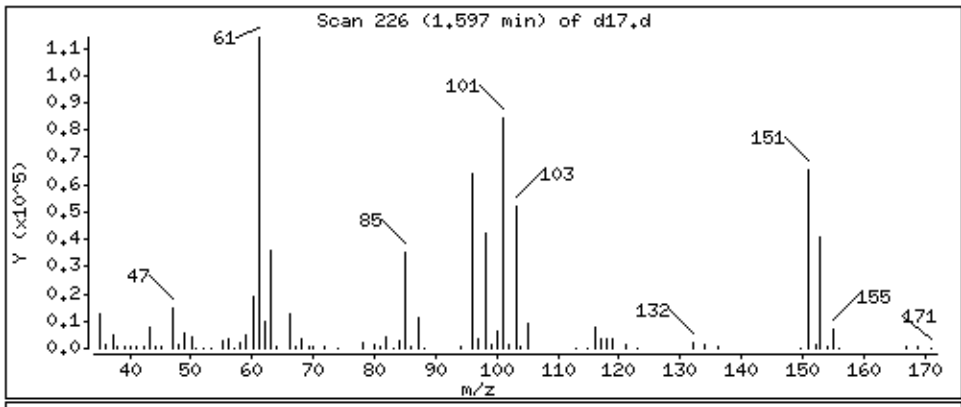
Column phase: DB-624

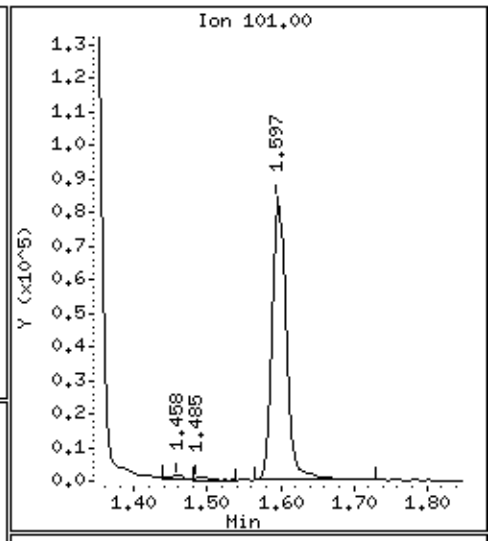
Column diameter: 0.18

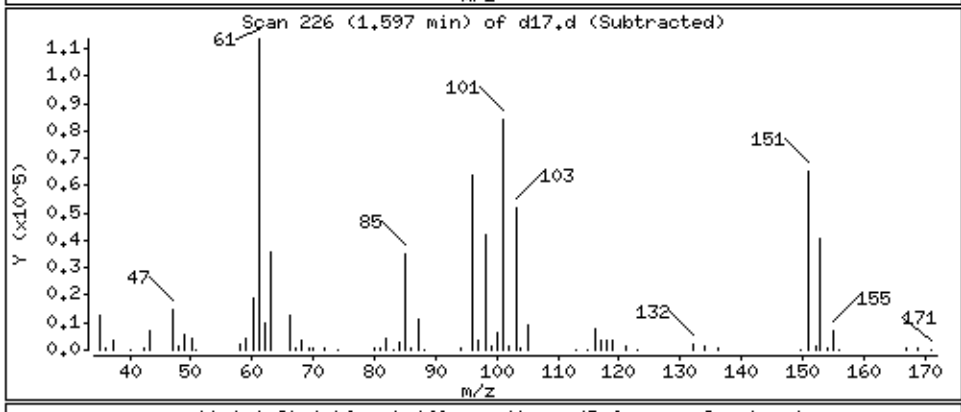
10 1,1,2trichlorotrifluoroethane

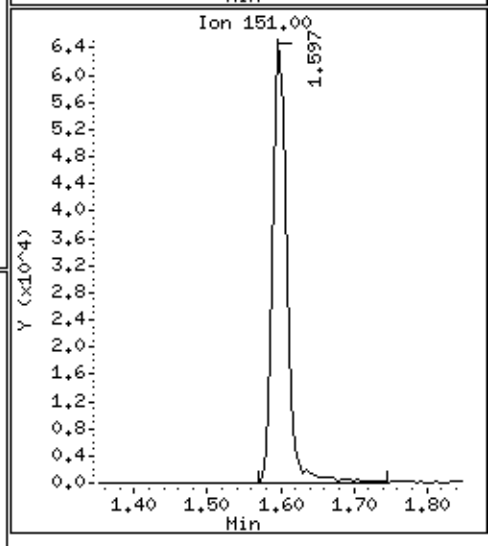
Concentration: 47.2 ppb

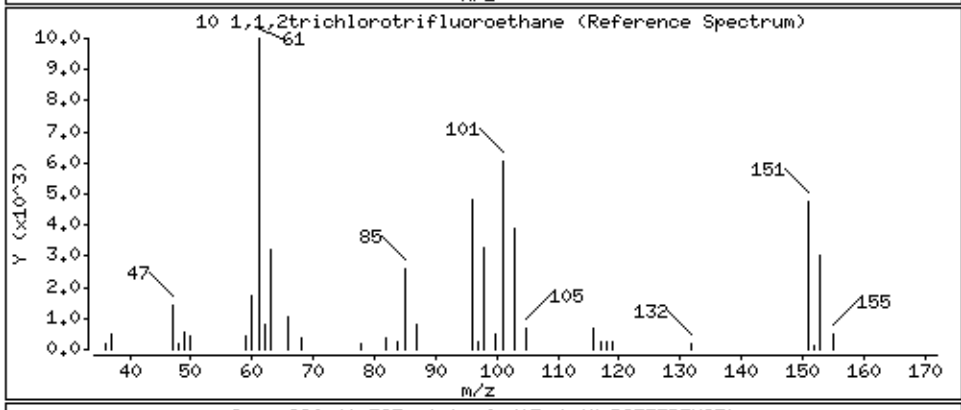
Review Code:

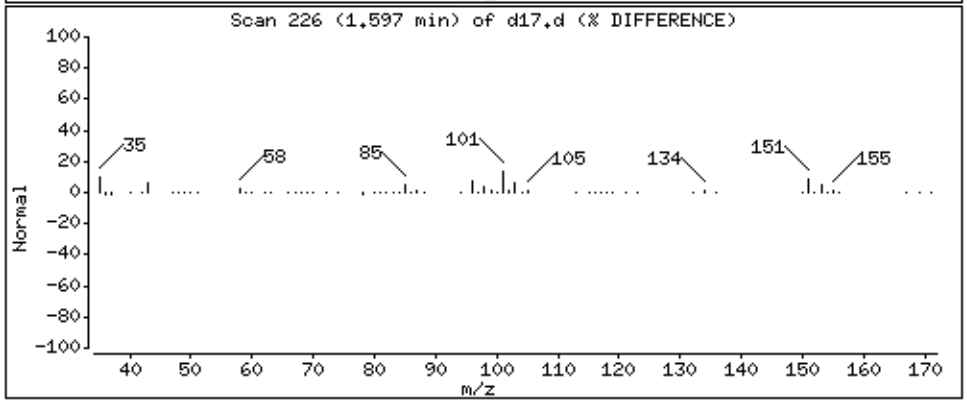












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

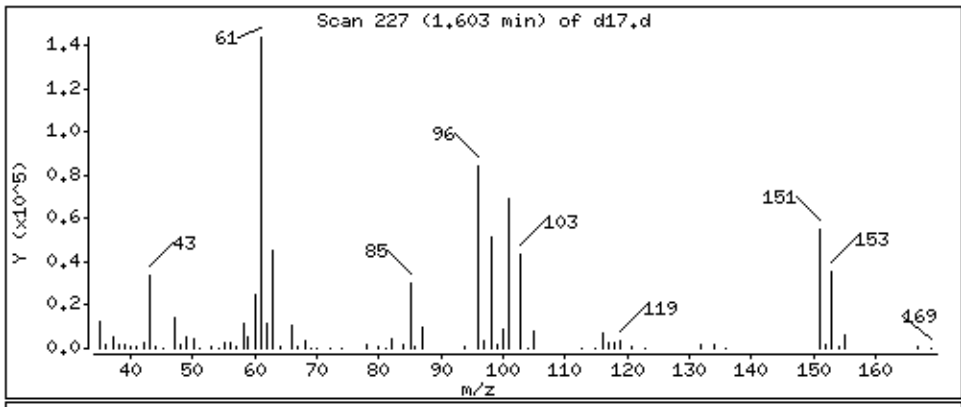
Column phase: DB-624

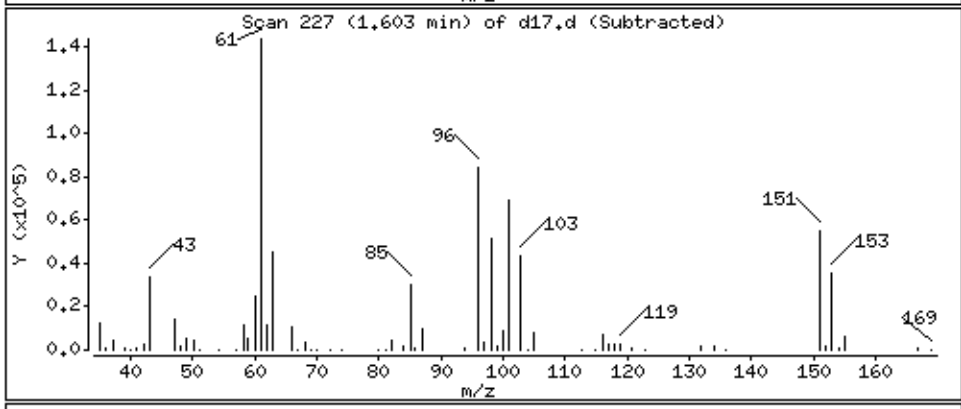
Column diameter: 0.18

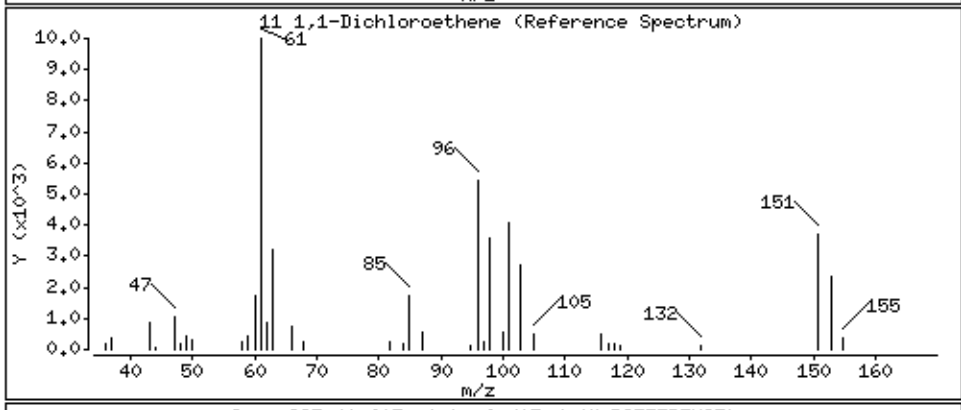
11 1,1-Dichloroethene

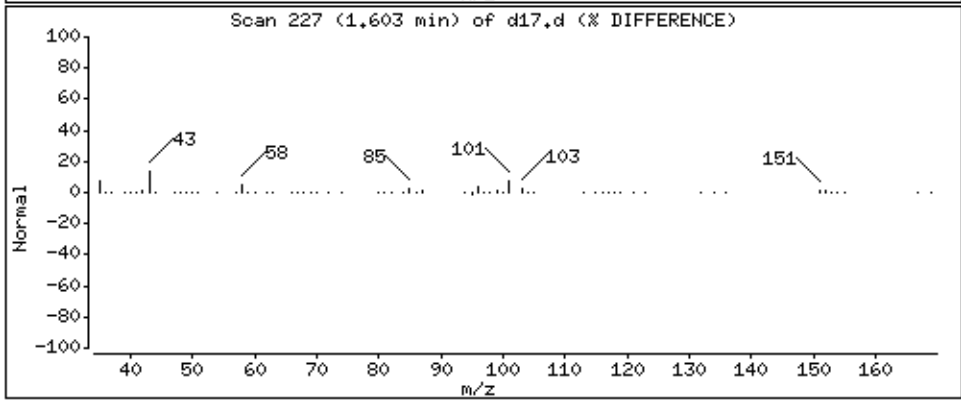
Concentration: 48.7 ppb

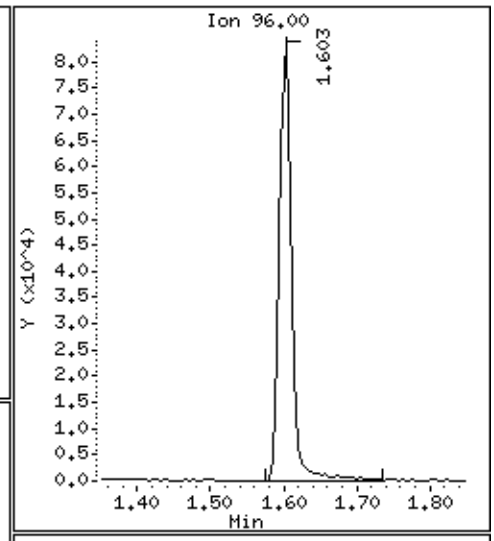
Review Code:

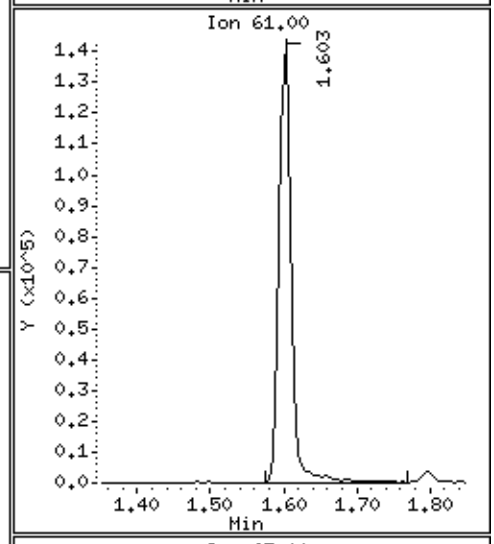


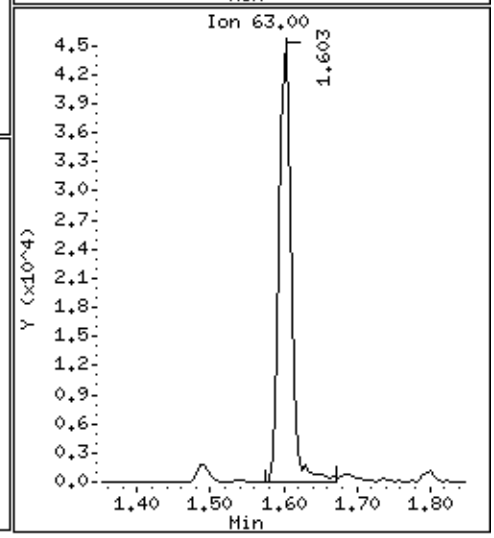












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

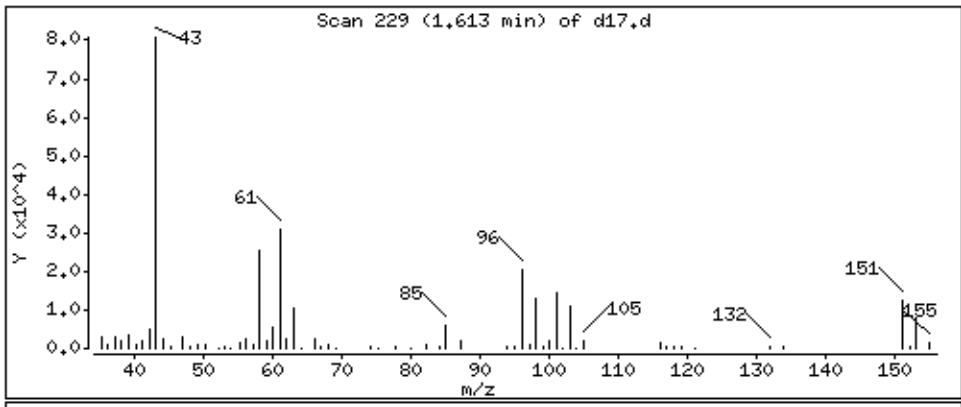
Column phase: DB-624

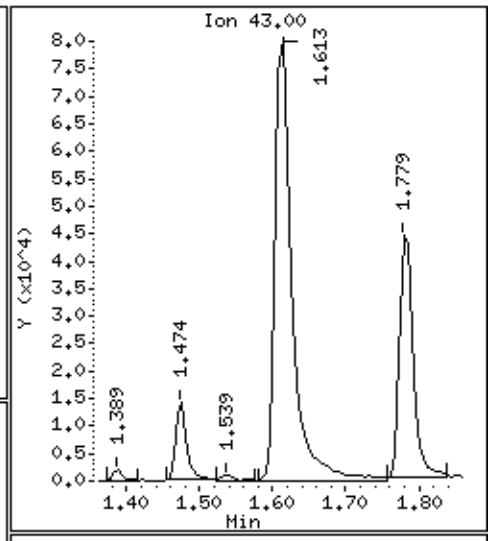
Column diameter: 0.18

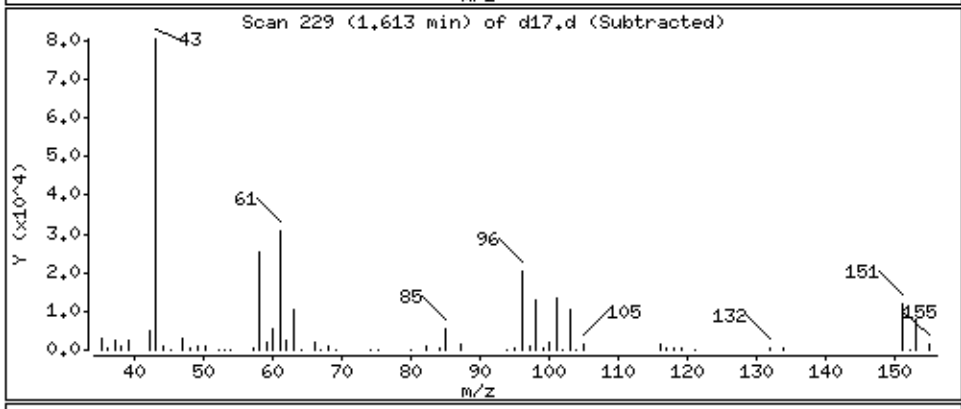
12 Acetone

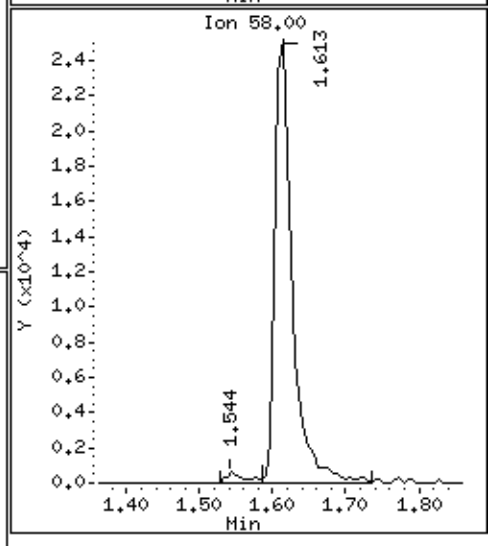
Concentration: 327 ppb

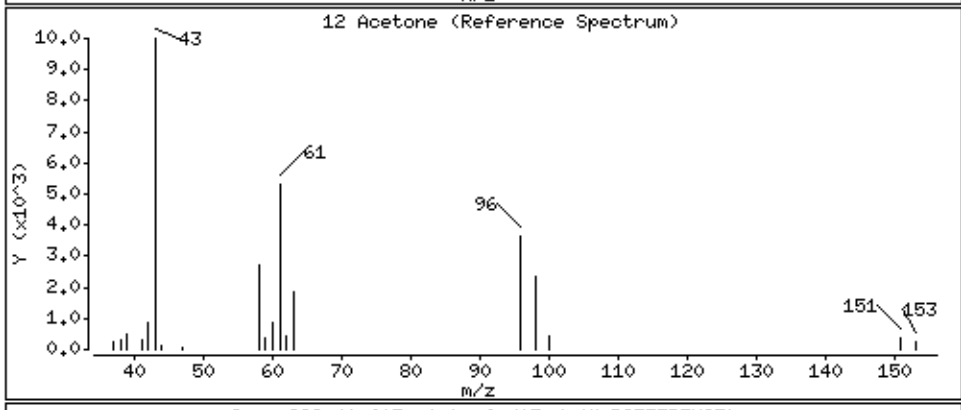
Review Code:

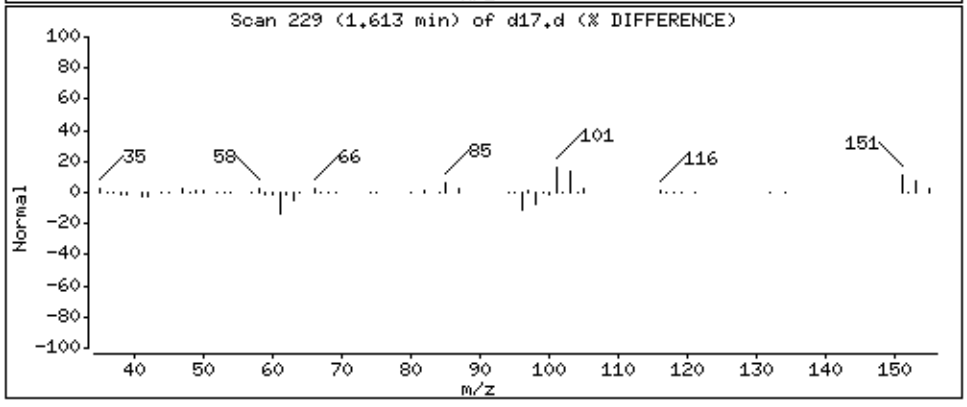












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

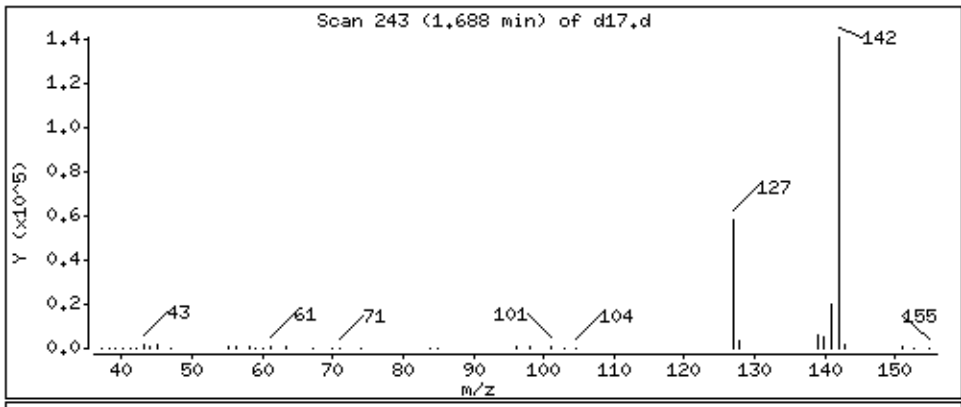
Column phase: DB-624

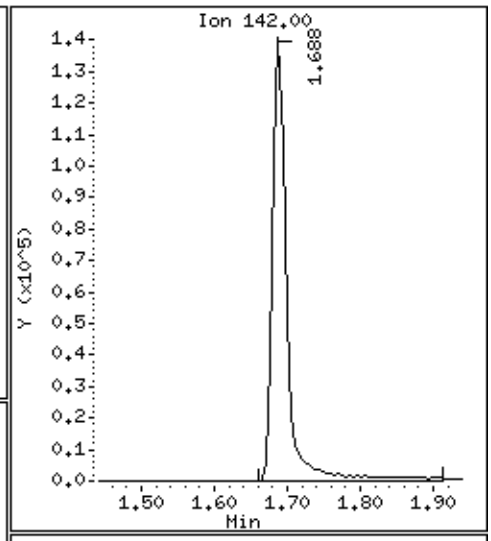
Column diameter: 0.18

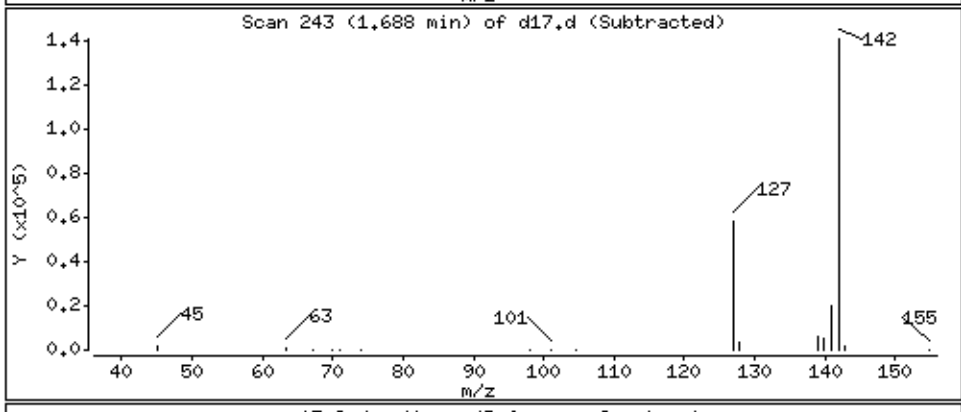
13 Iodomethane

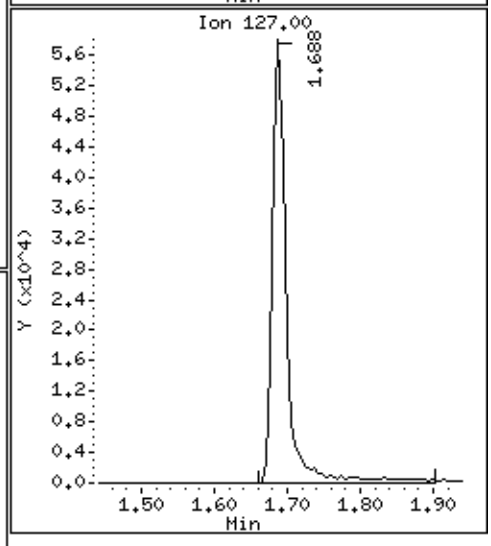
Concentration: 99.0 ppb

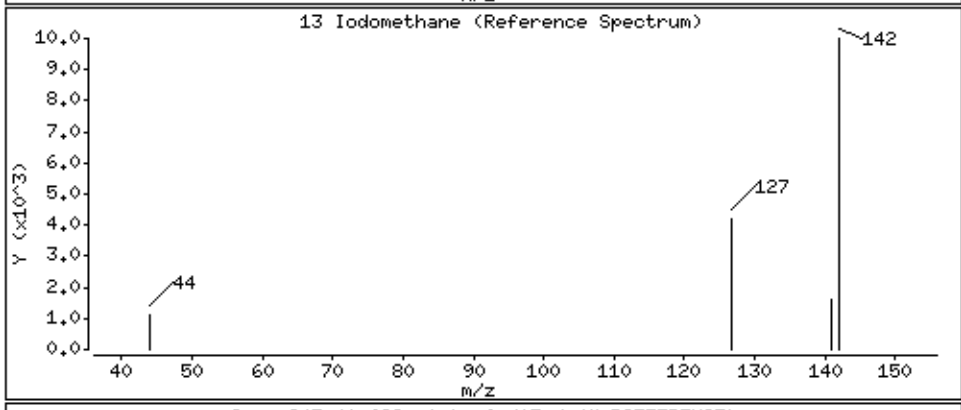
Review Code:

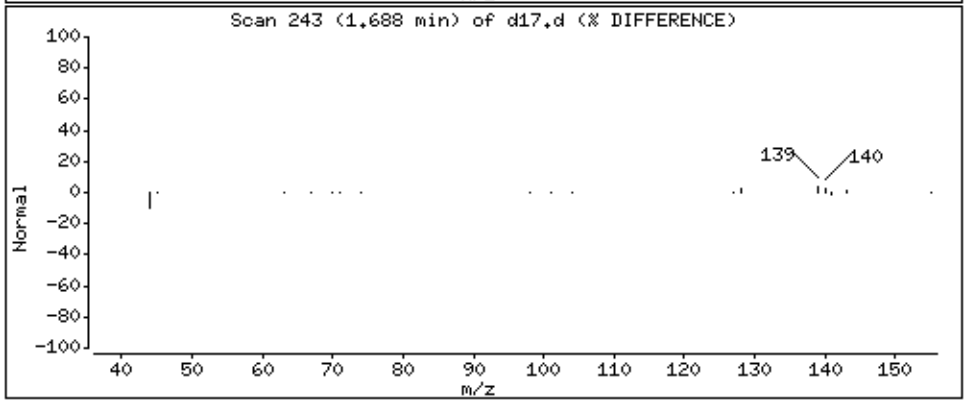












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

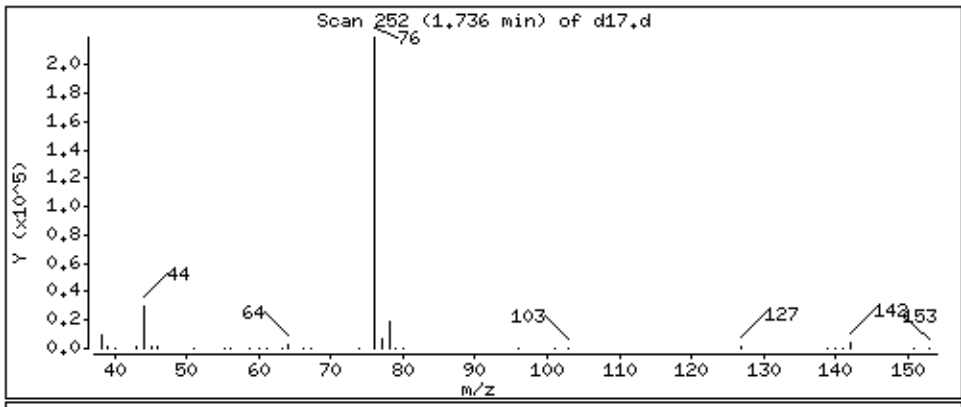
Column phase: DB-624

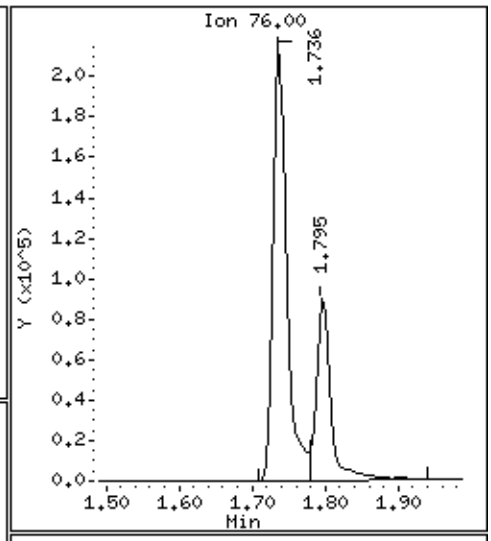
Column diameter: 0.18

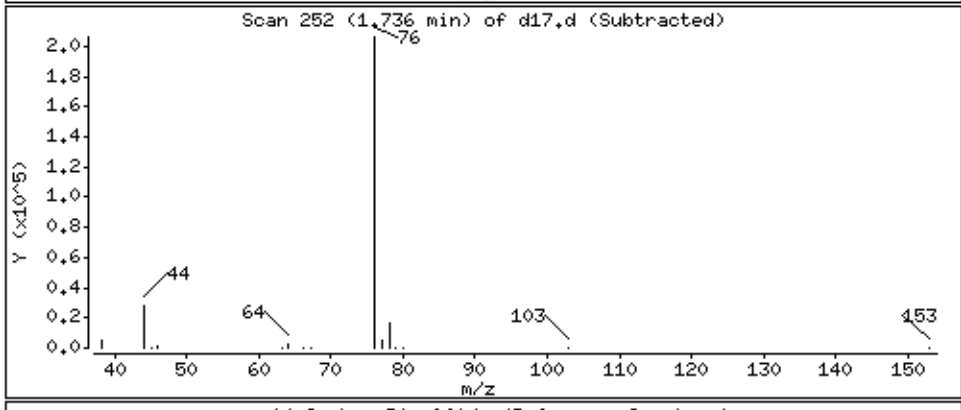
14 Carbon Disulfide

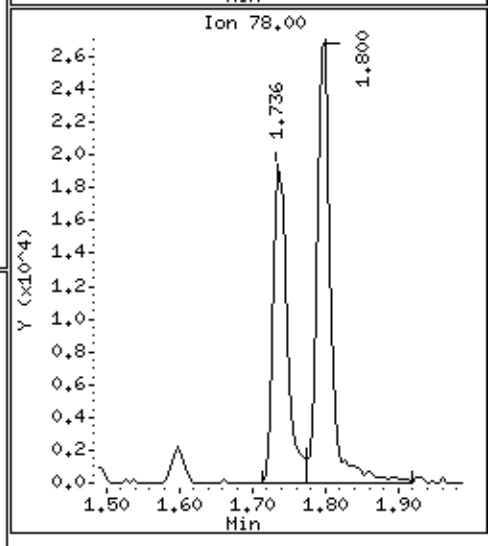
Concentration: 41.9 ppb

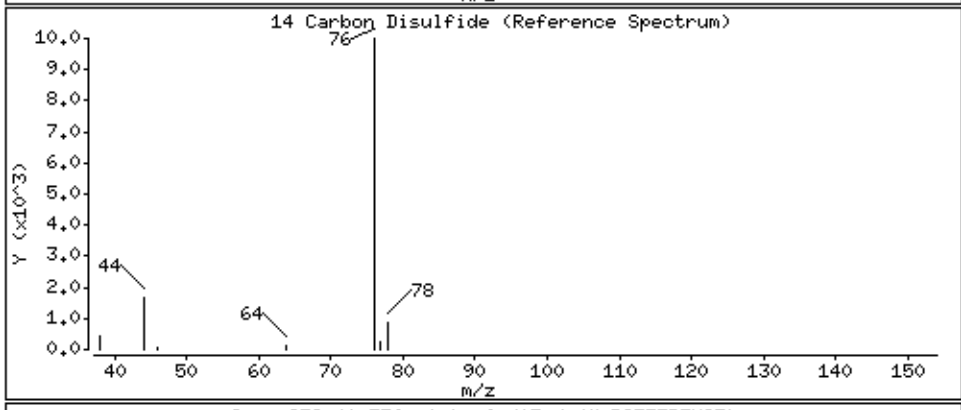
Review Code:

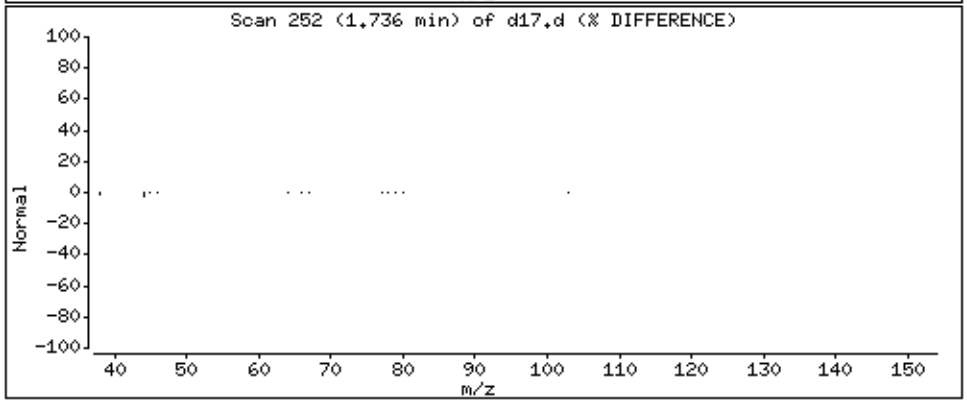












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

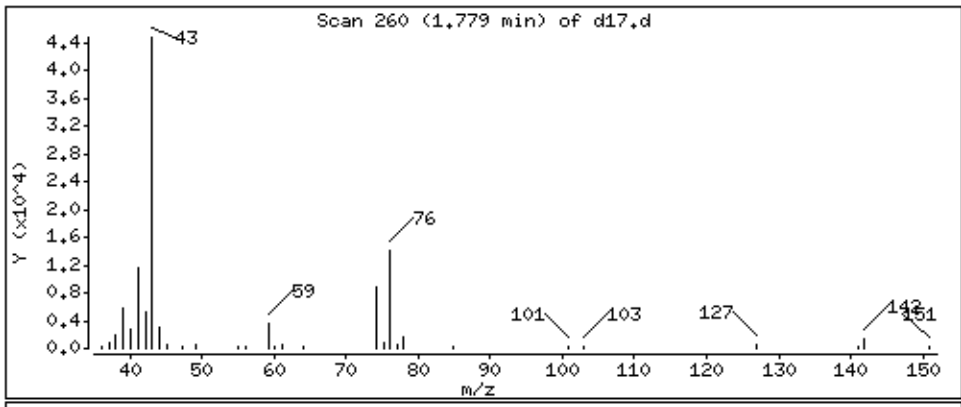
Column phase: DB-624

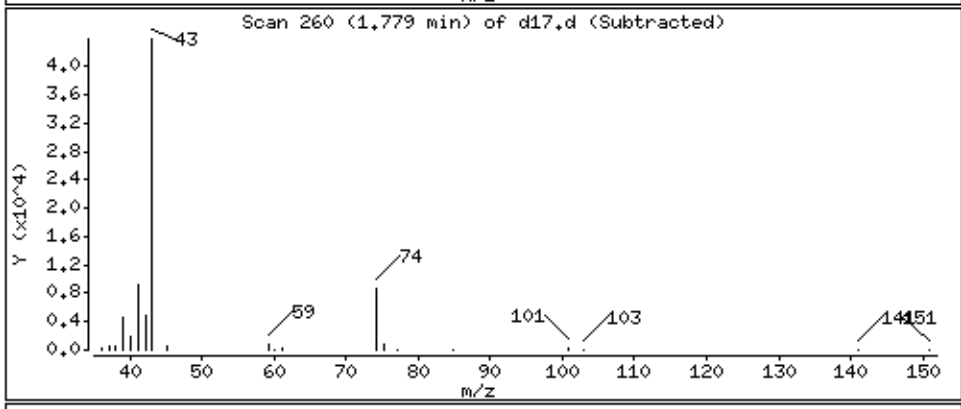
Column diameter: 0.18

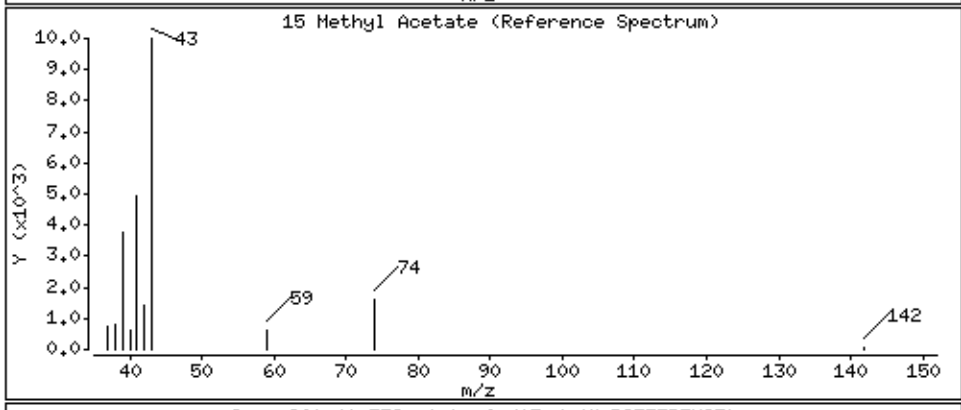
15 Methyl Acetate

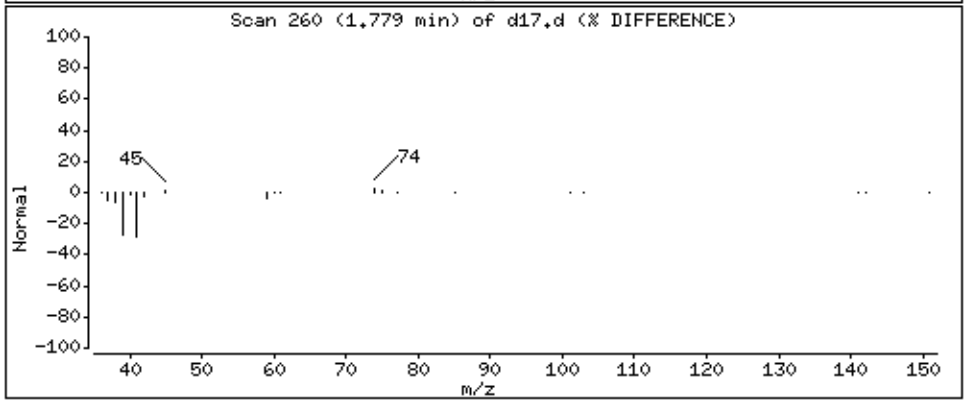
Concentration: 52.7 ppb

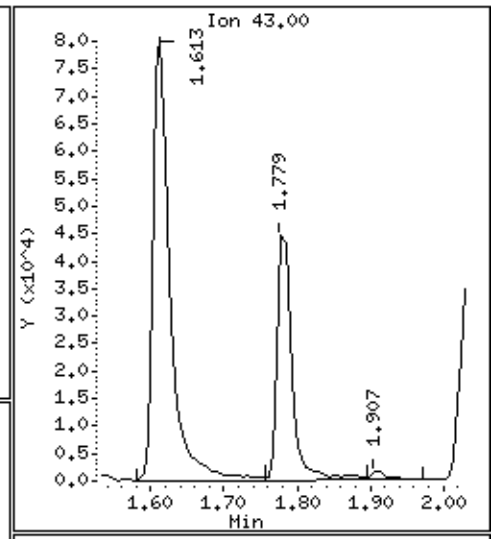
Review Code:

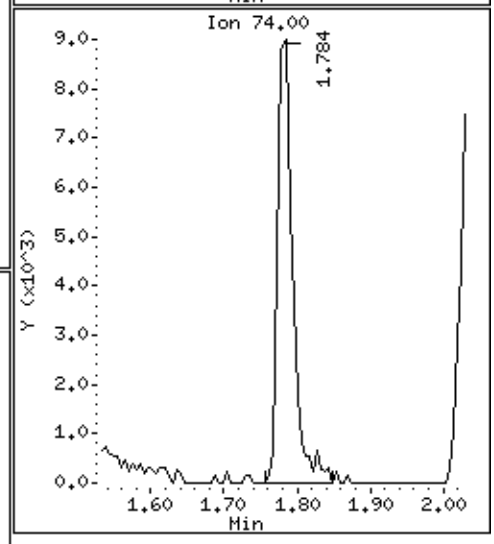












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

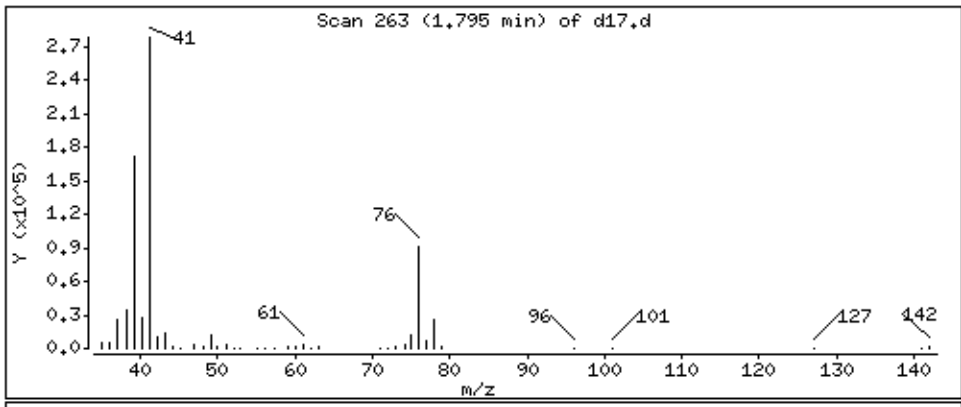
Column phase: DB-624

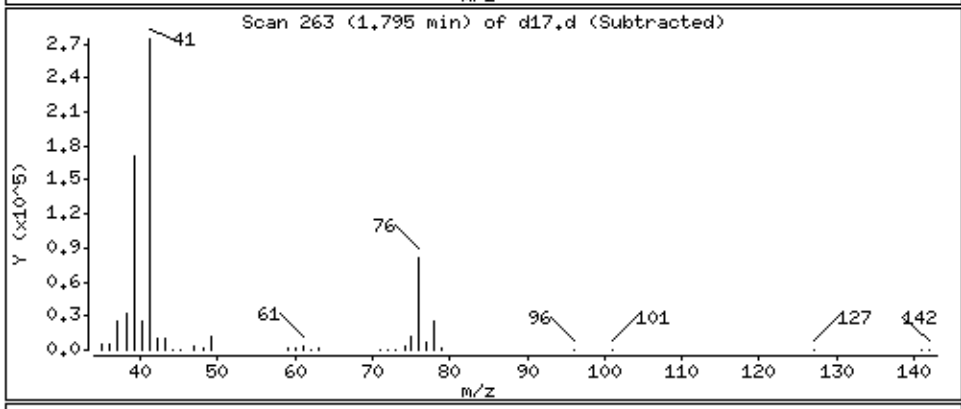
Column diameter: 0.18

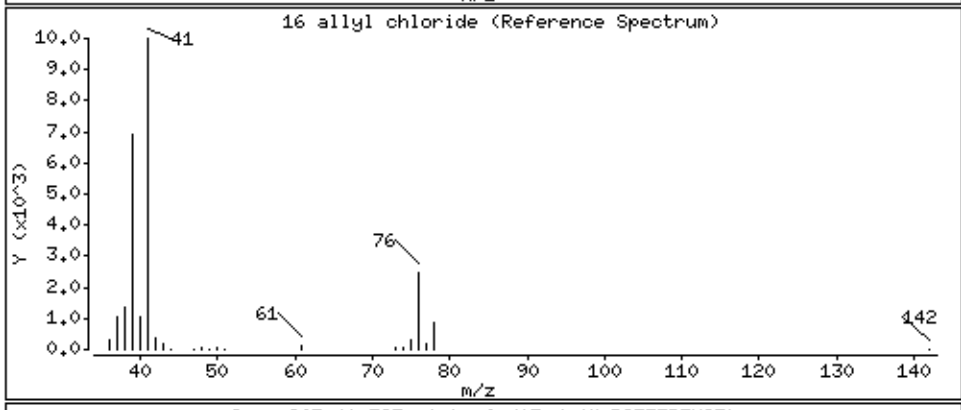
16 allyl chloride

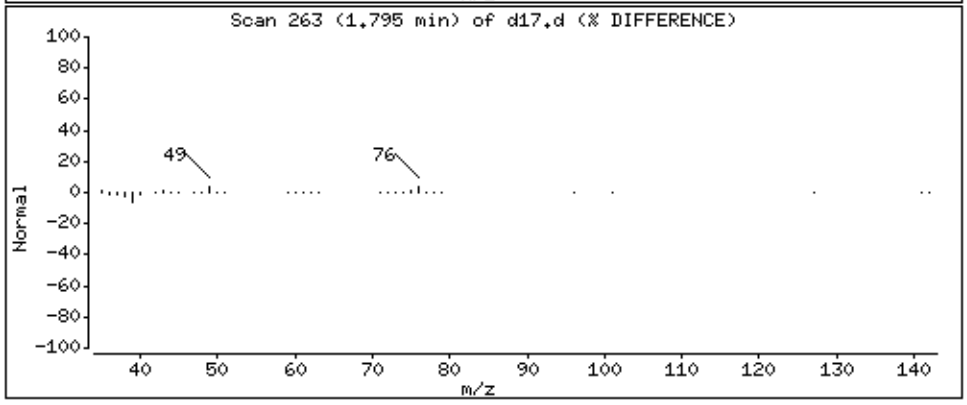
Concentration: 89.5 ppb

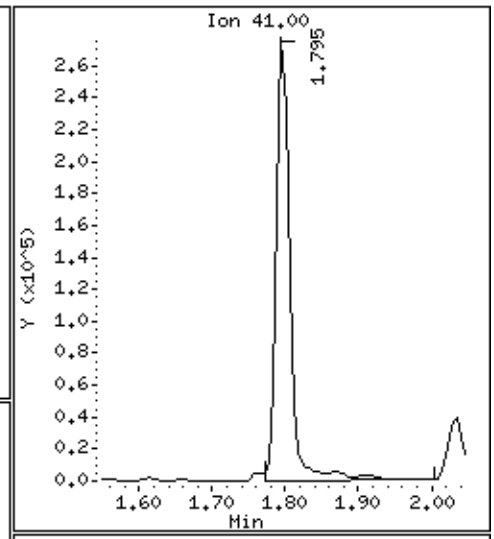
Review Code:

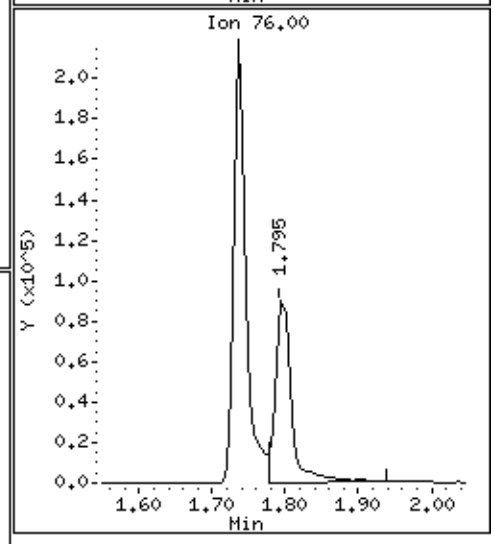












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

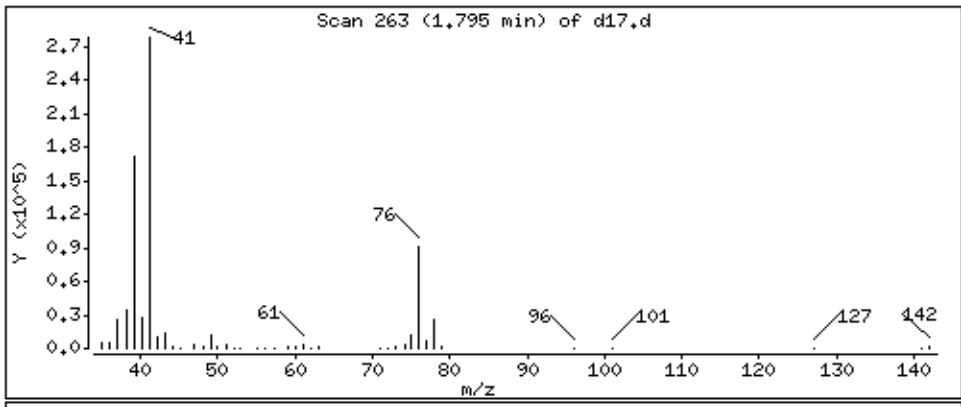
Column phase: DB-624

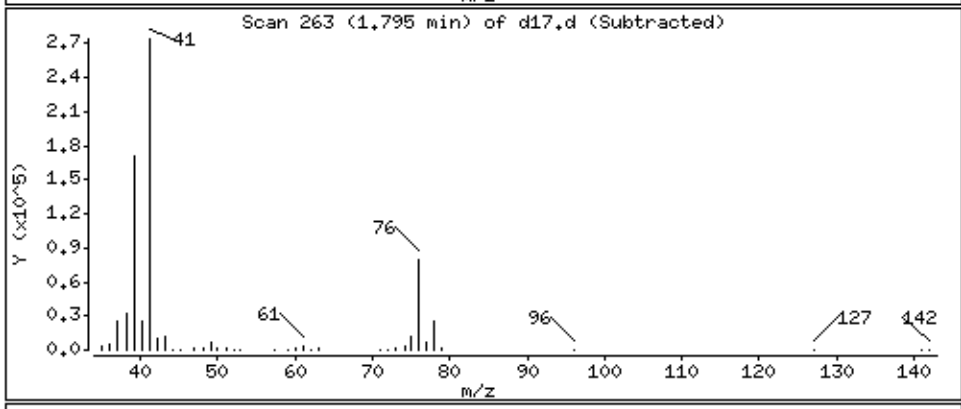
Column diameter: 0.18

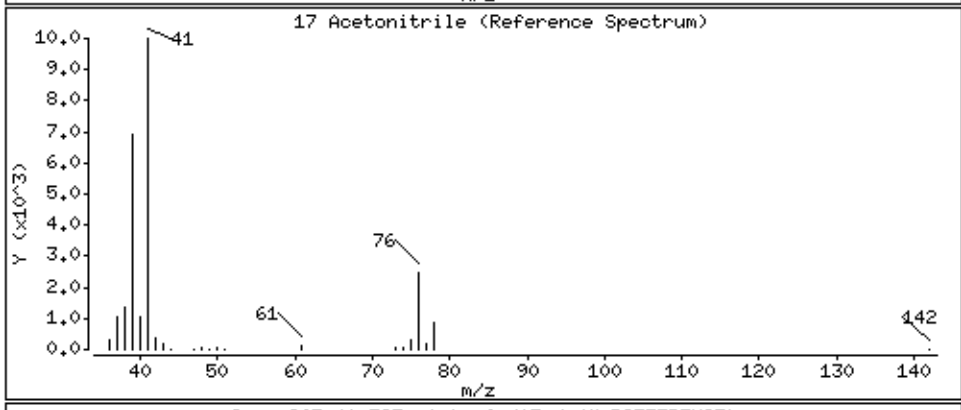
17 Acetonitrile

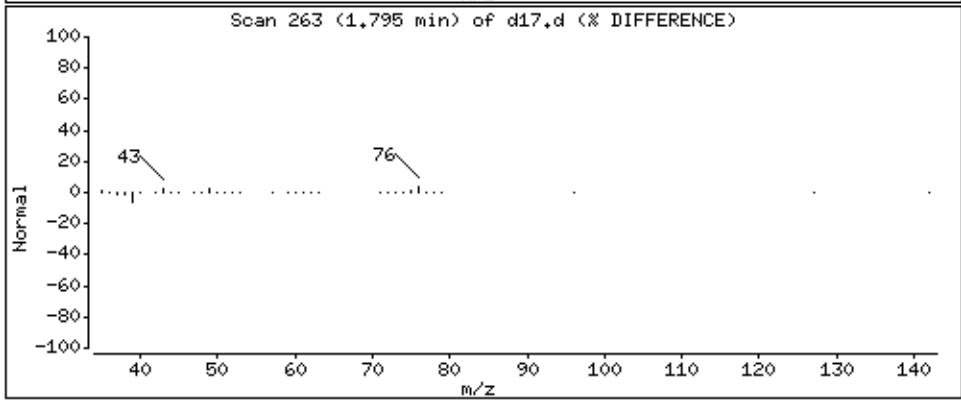
Concentration: 37.1 ppb

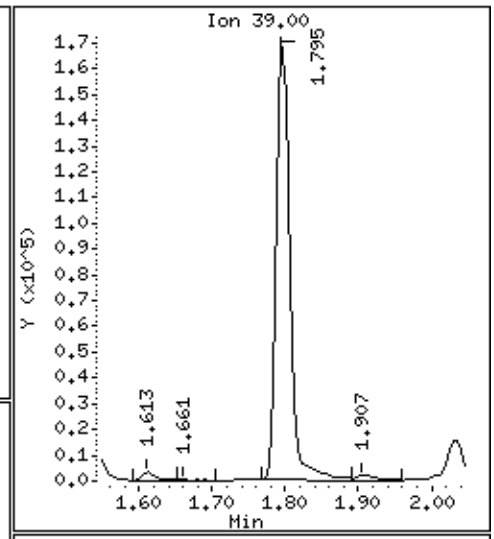
Review Code:

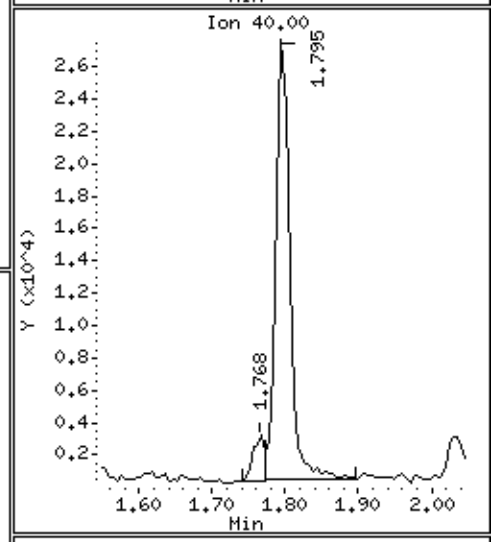


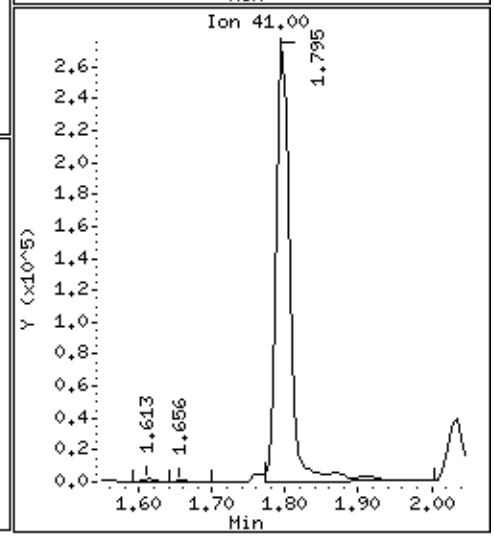












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

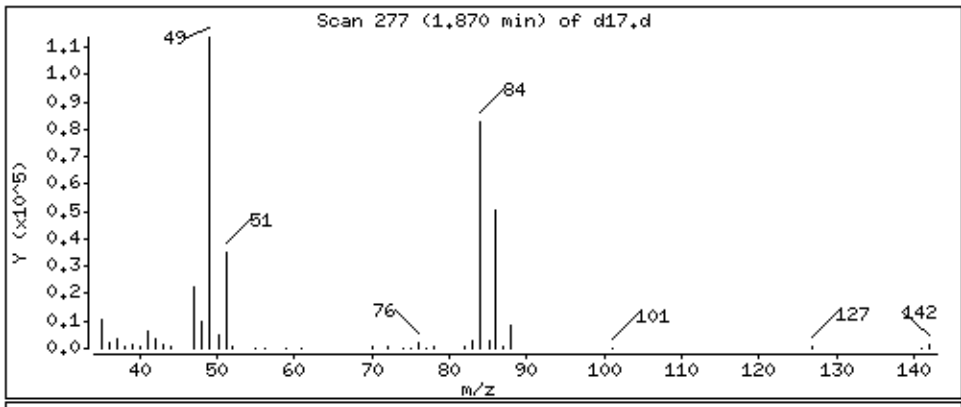
Column phase: DB-624

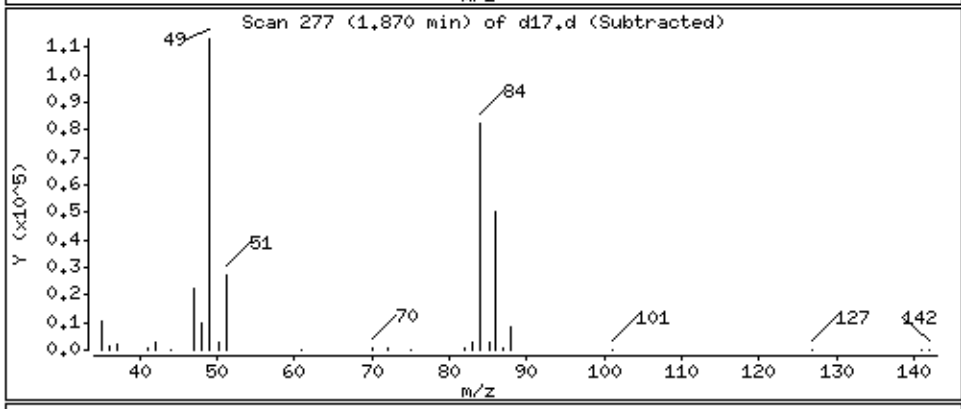
Column diameter: 0.18

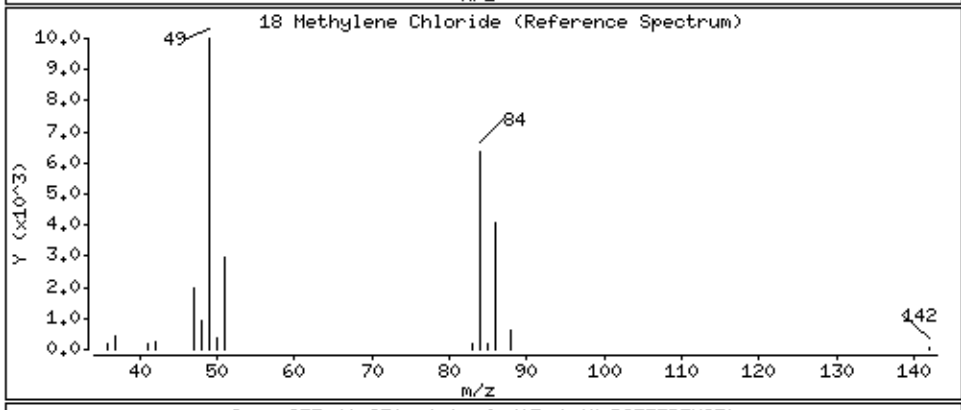
18 Methylene Chloride

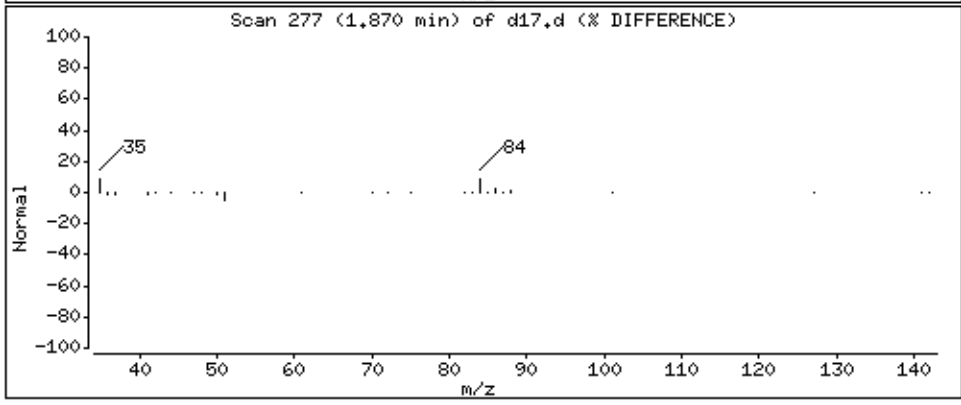
Concentration: 56.7 ppb

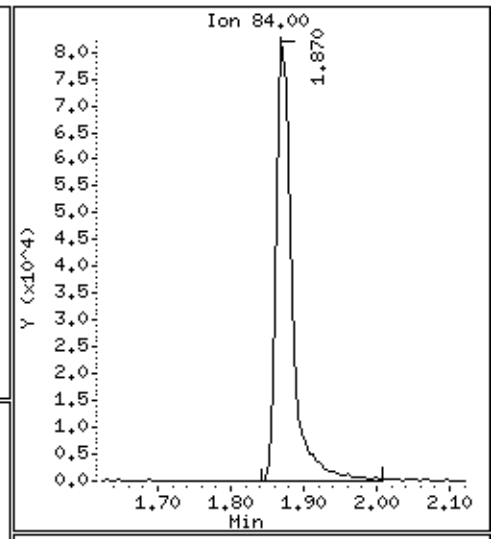
Review Code:

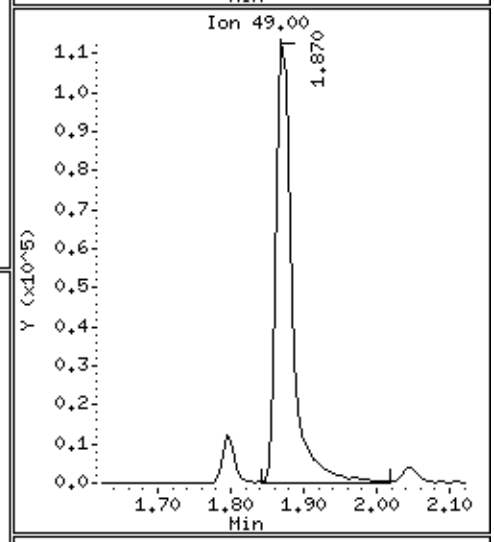


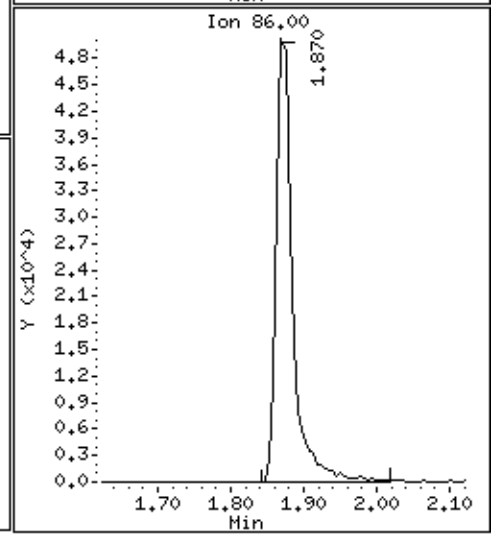












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

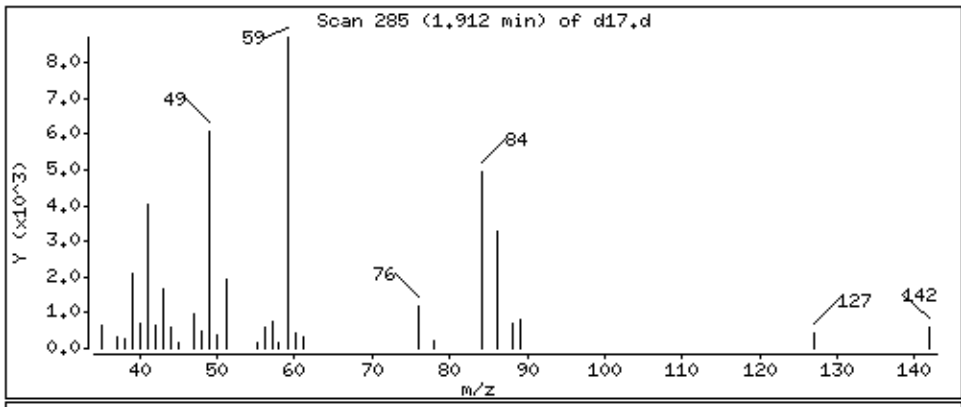
Column phase: DB-624

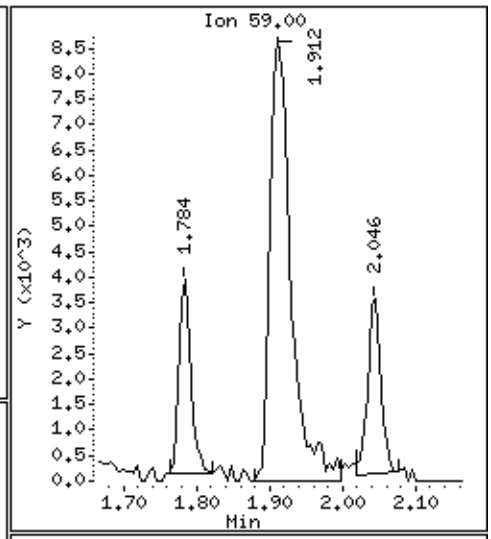
Column diameter: 0.18

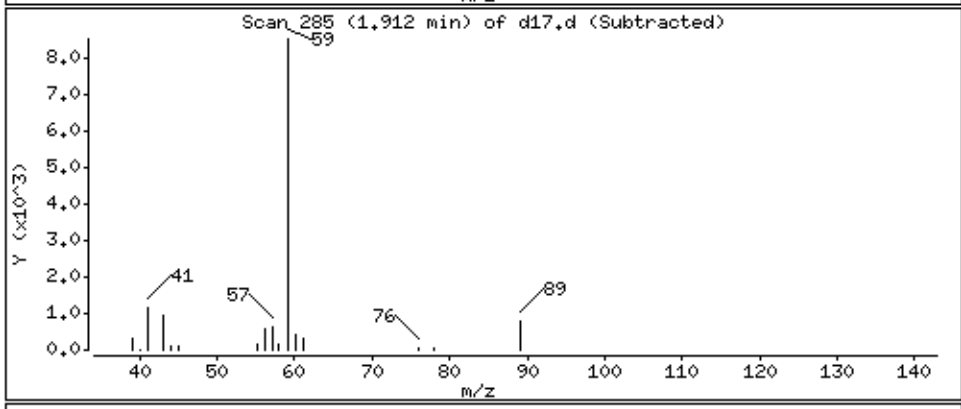
19 tert-Butyl Alcohol

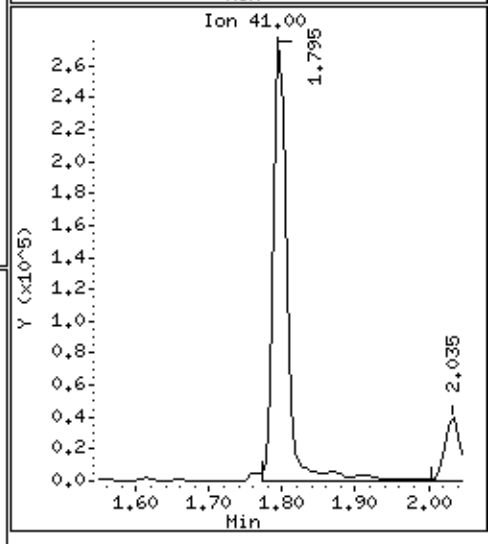
Concentration: 116 ppb

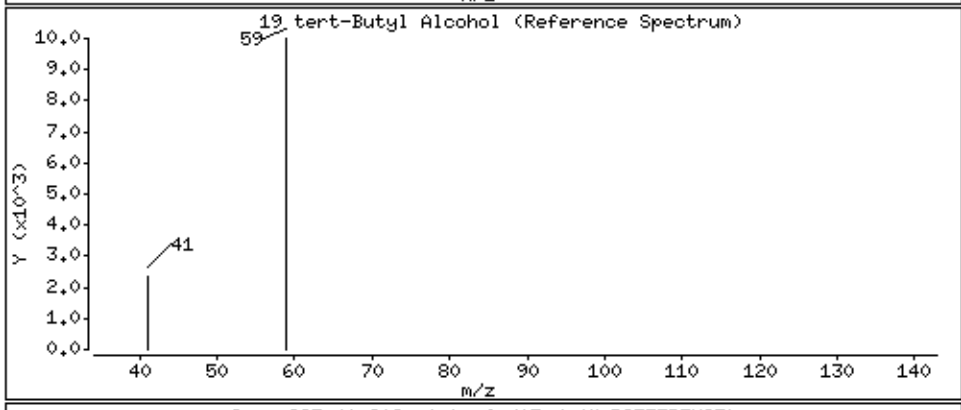
Review Code:

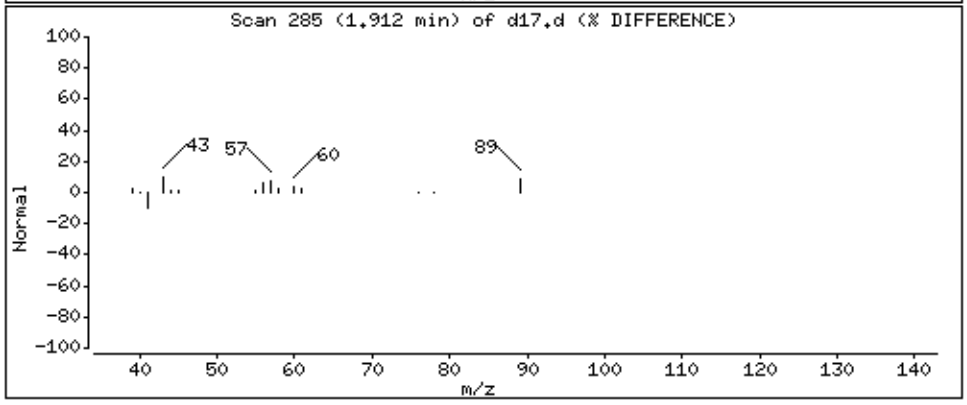












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

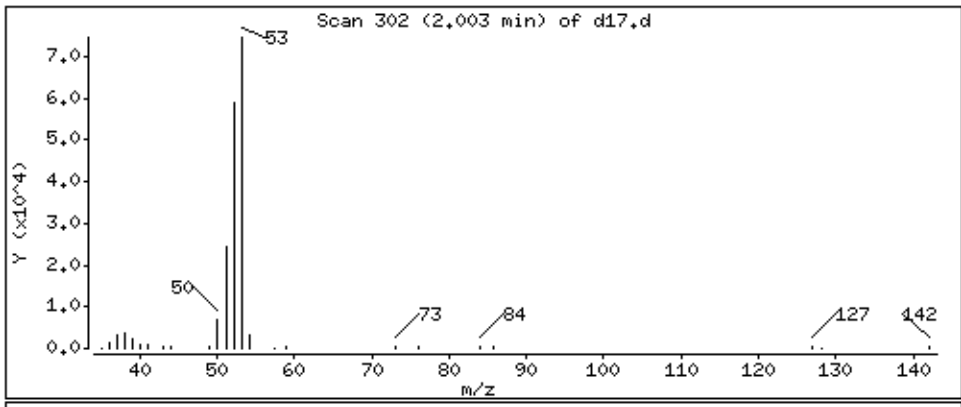
Column phase: DB-624

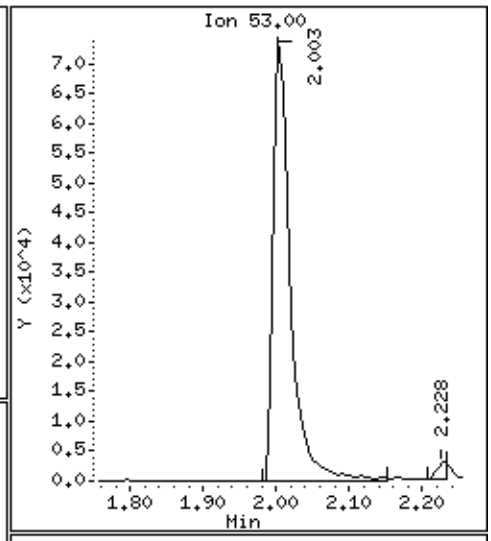
Column diameter: 0.18

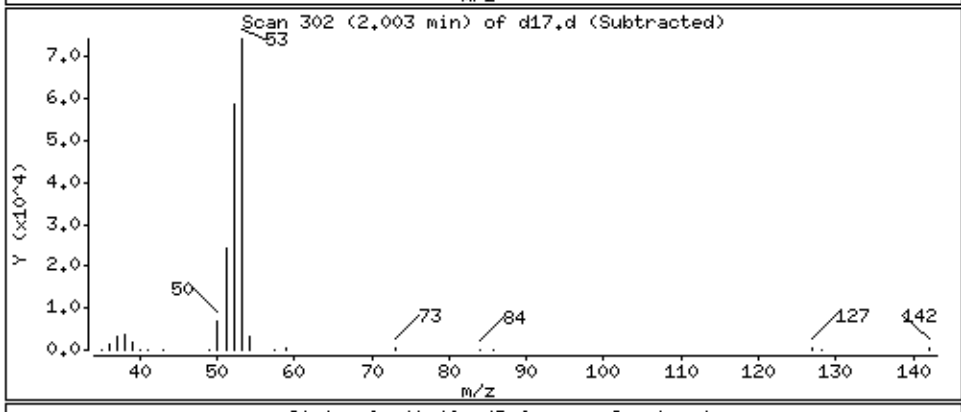
20 Acrylonitrile

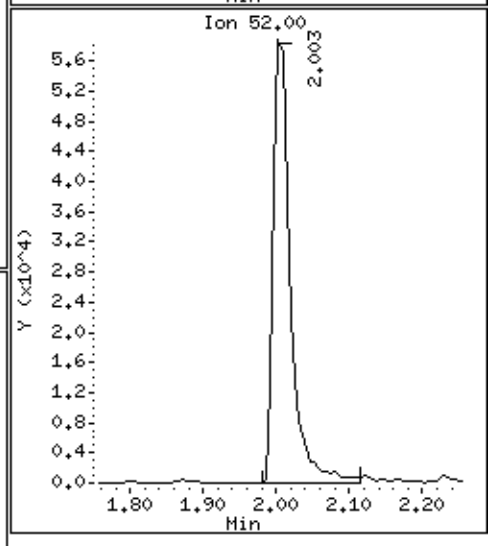
Concentration: 228 ppb

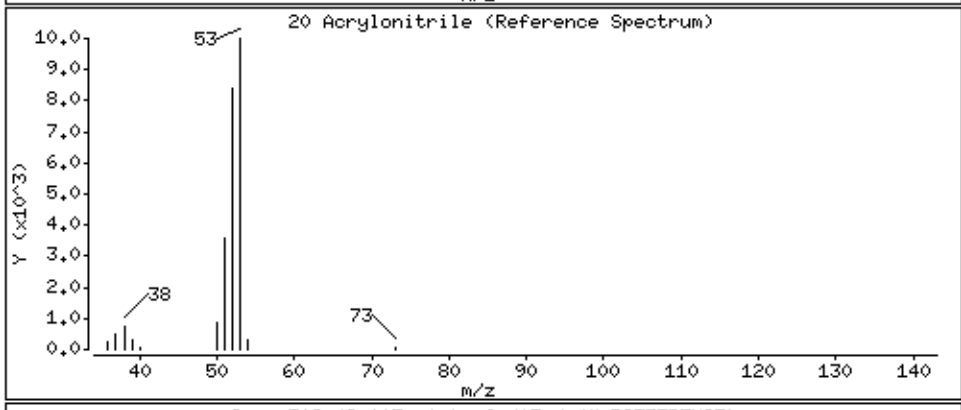
Review Code:

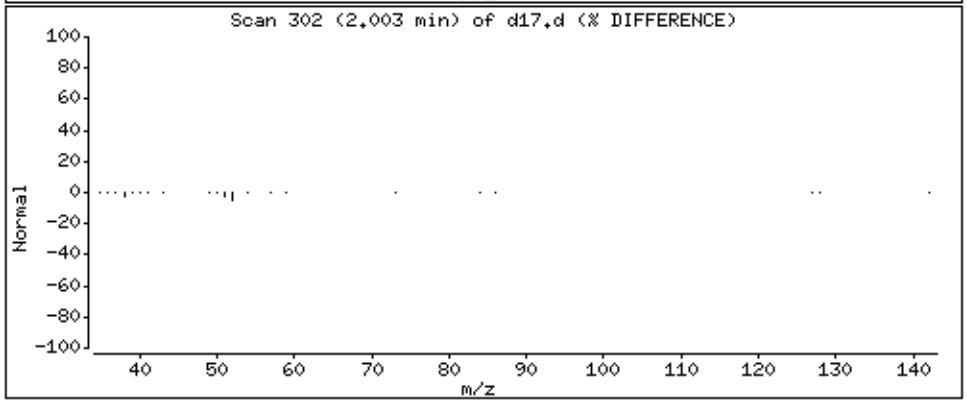












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

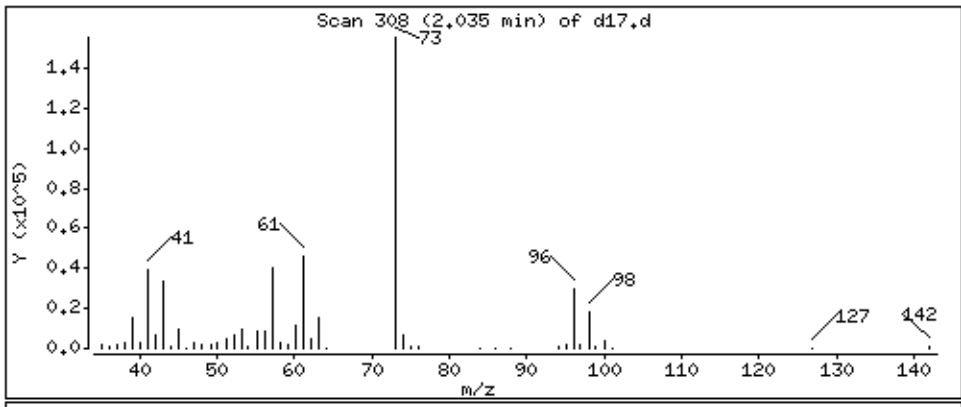
Column phase: DB-624

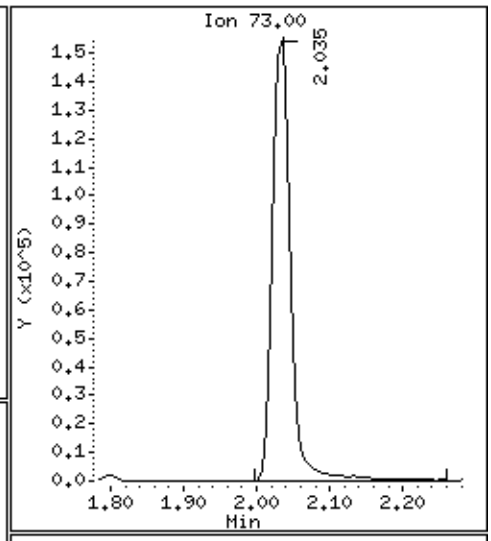
Column diameter: 0.18

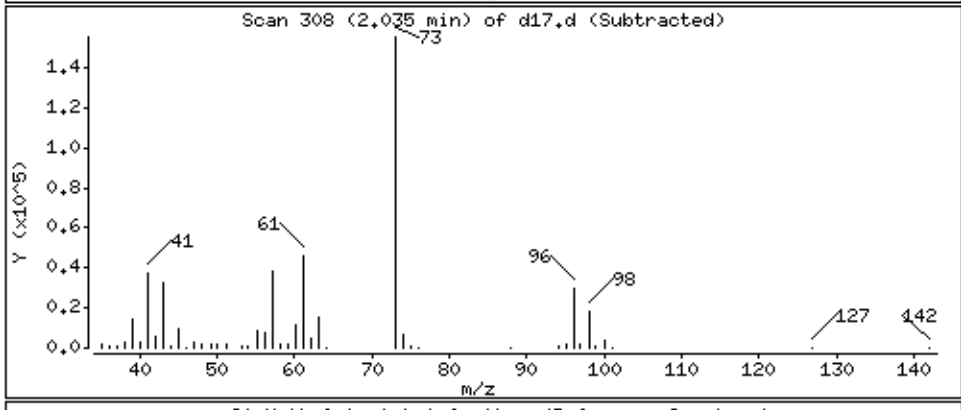
21 Methyl-tert-butyl ether

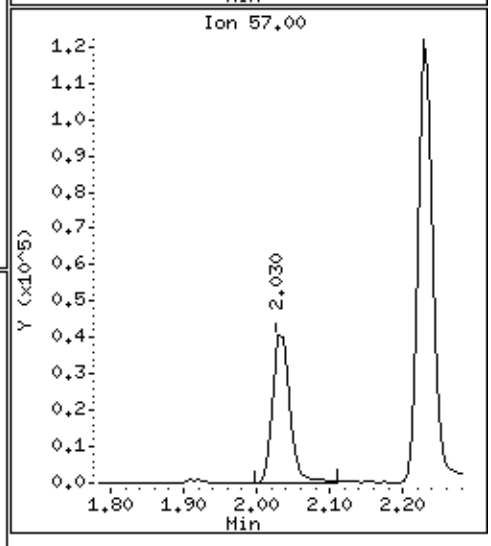
Concentration: 53.8 ppb

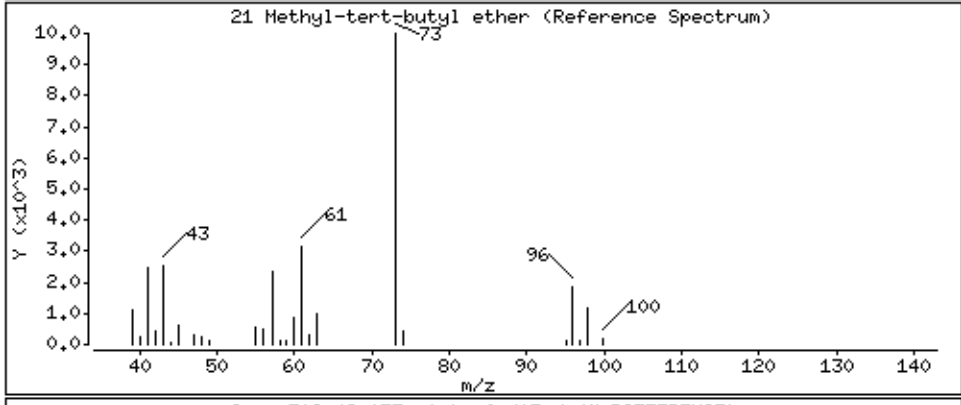
Review Code:

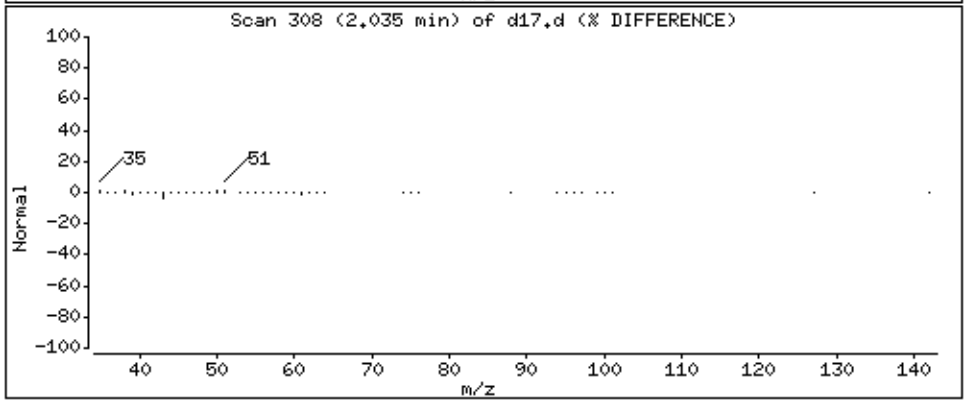












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

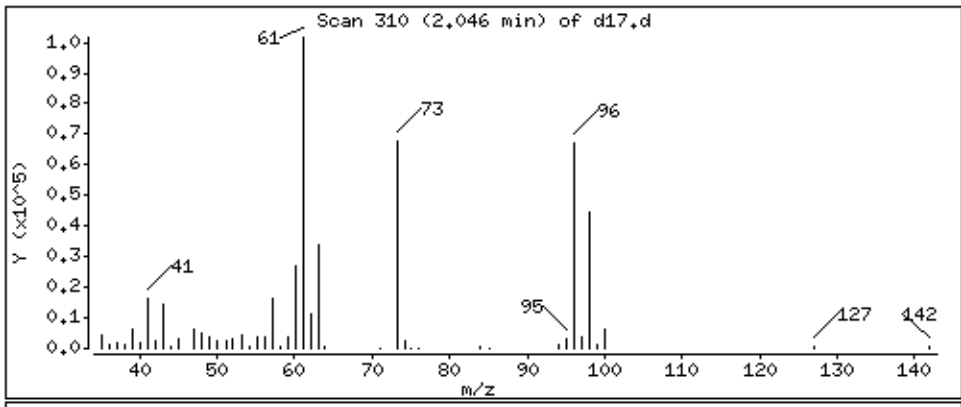
Column phase: DB-624

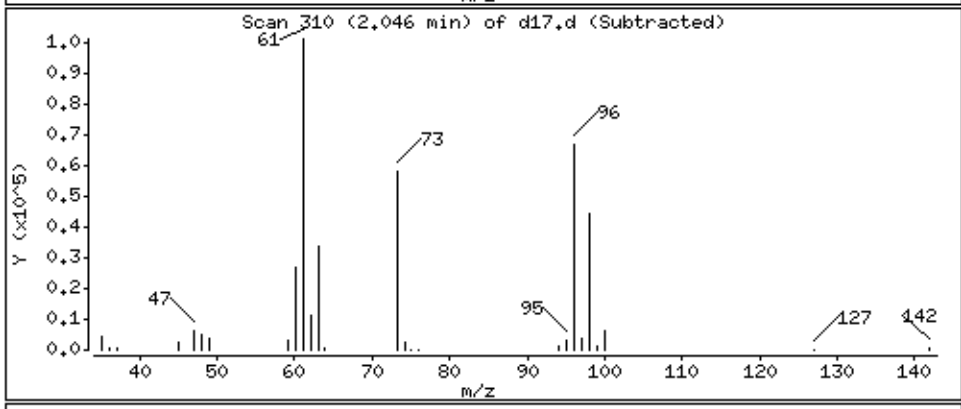
Column diameter: 0.18

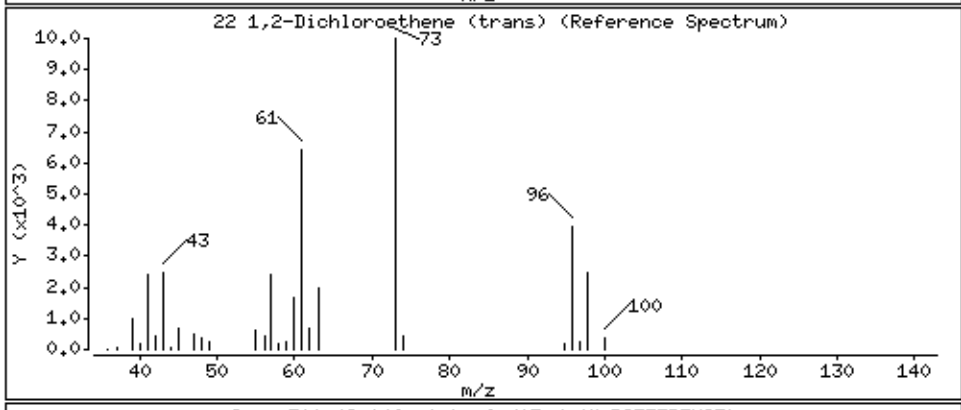
22 1,2-Dichloroethene (trans)

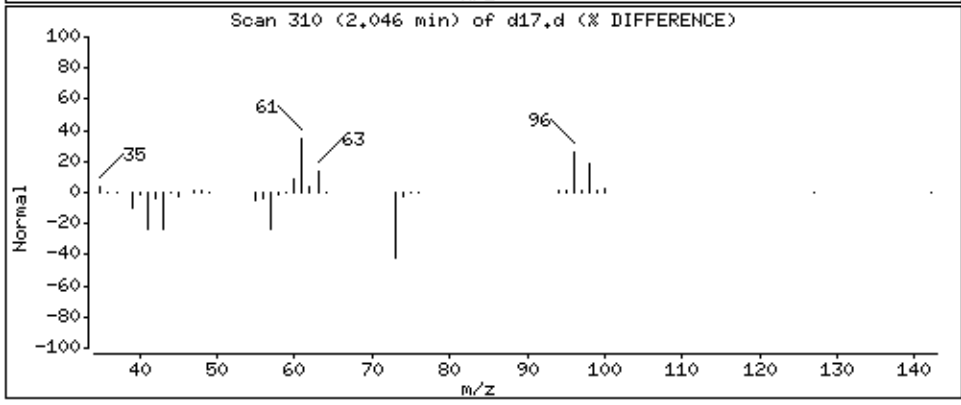
Concentration: 42.8 ppb

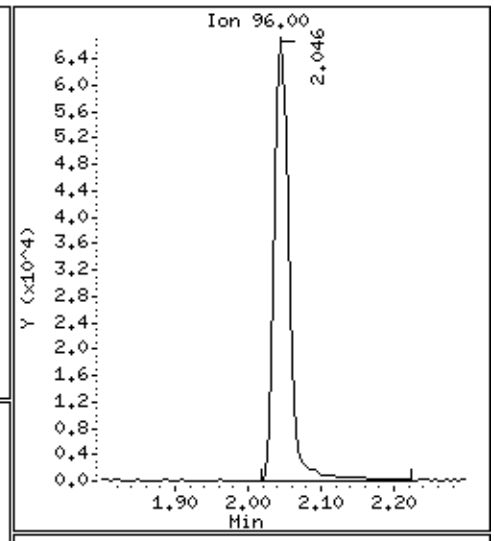
Review Code:

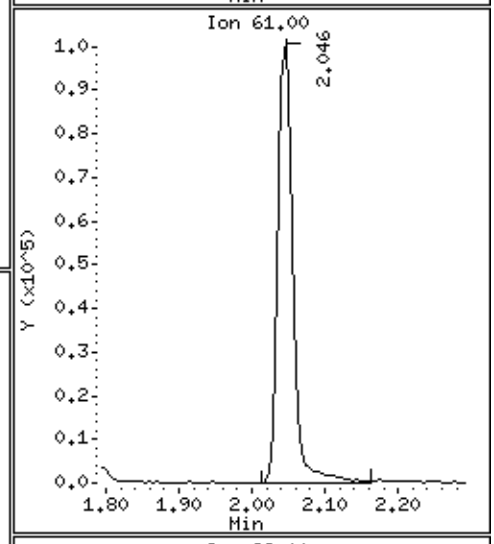


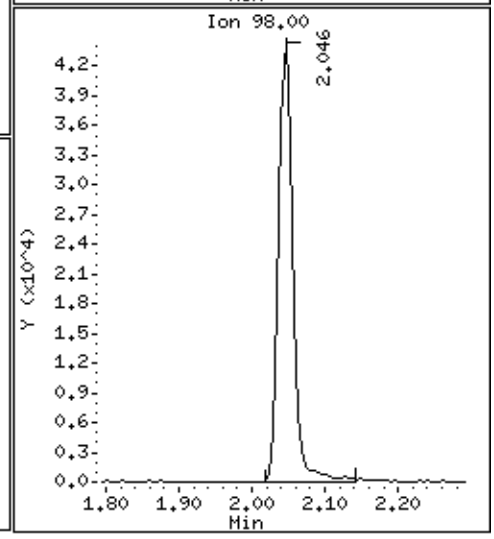












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

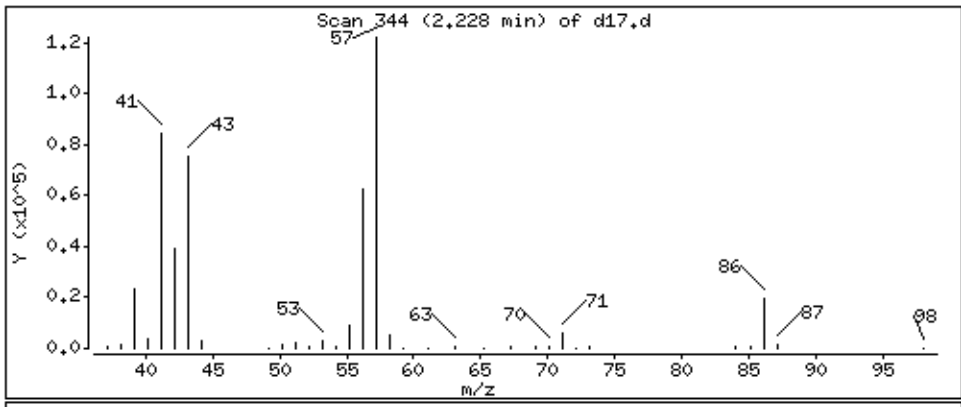
Column phase: DB-624

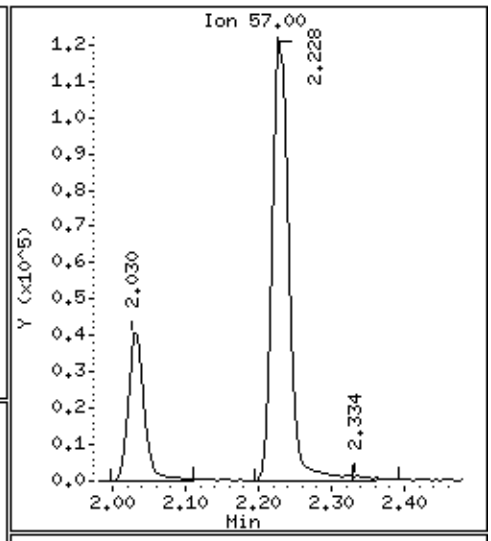
Column diameter: 0.18

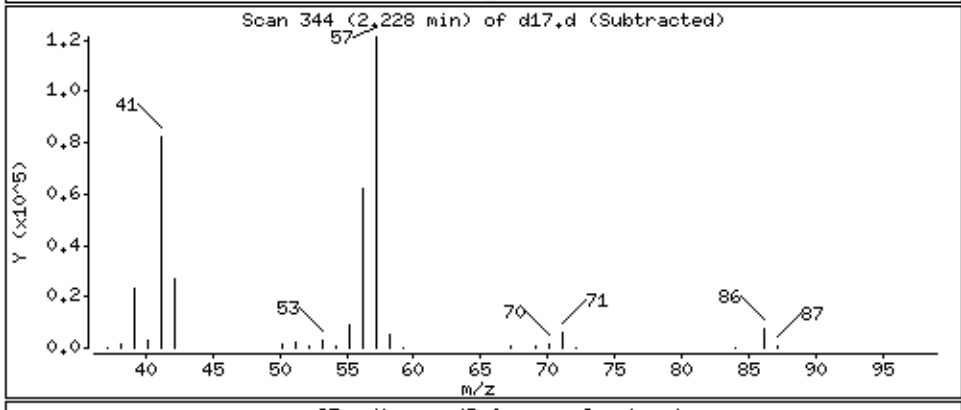
23 n-Hexane

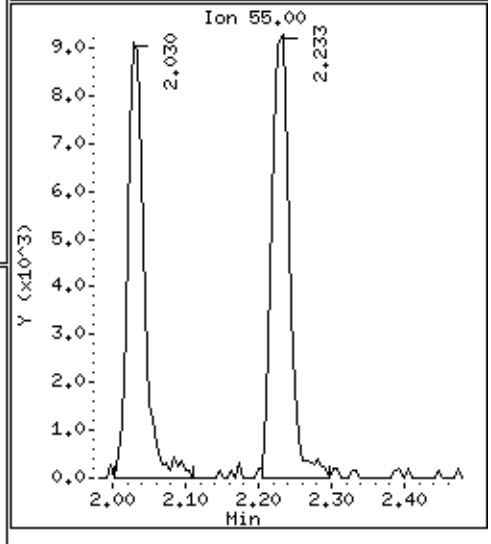
Concentration: 43.8 ppb

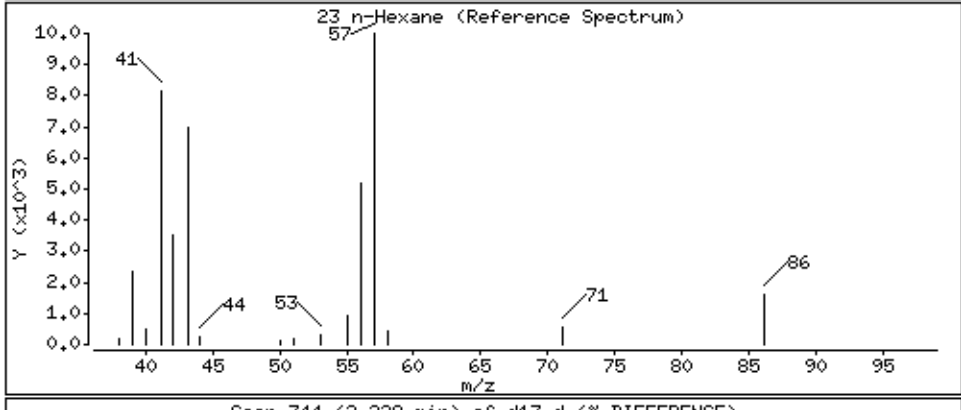
Review Code:

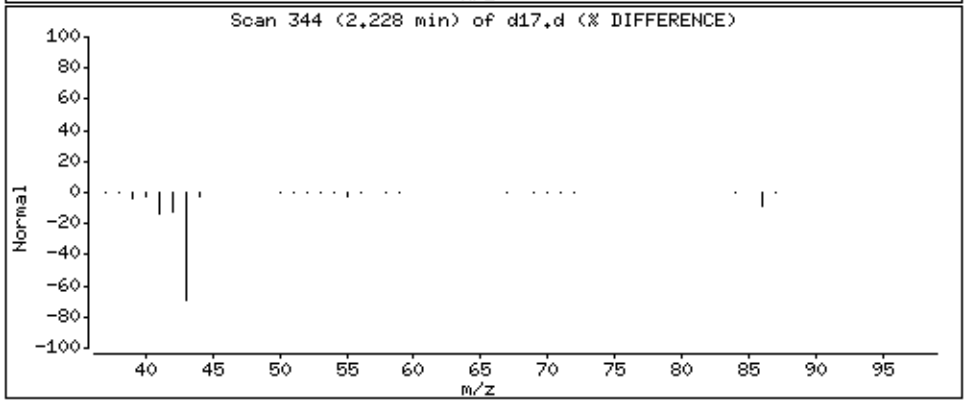












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

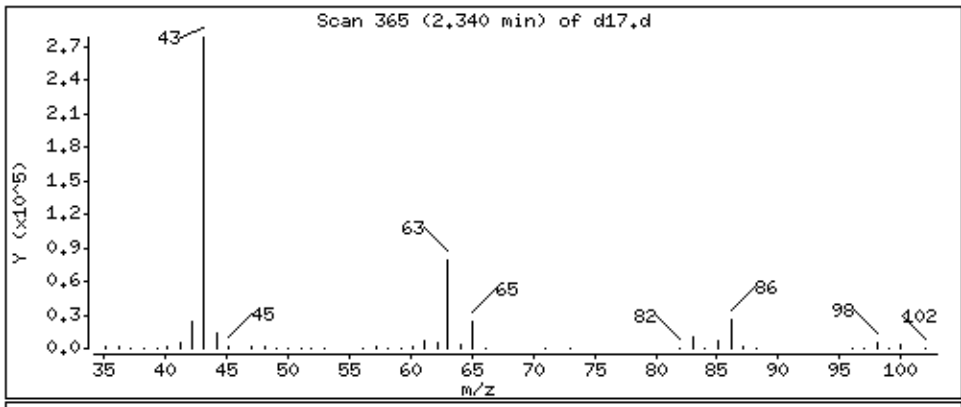
Column phase: DB-624

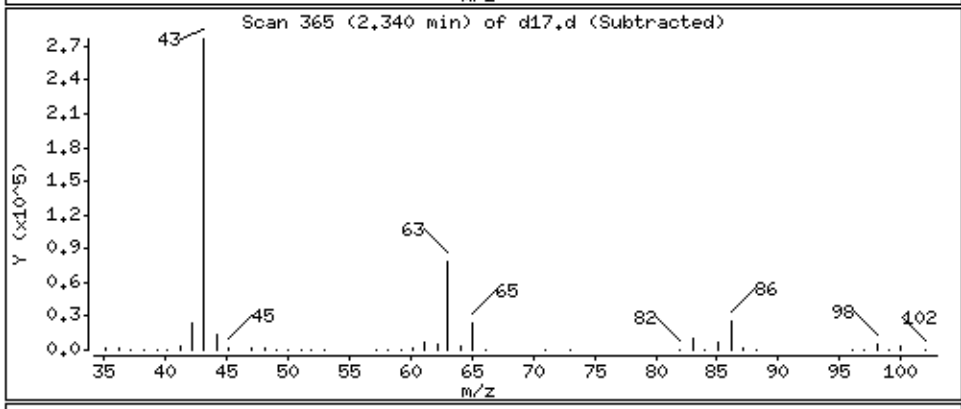
Column diameter: 0.18

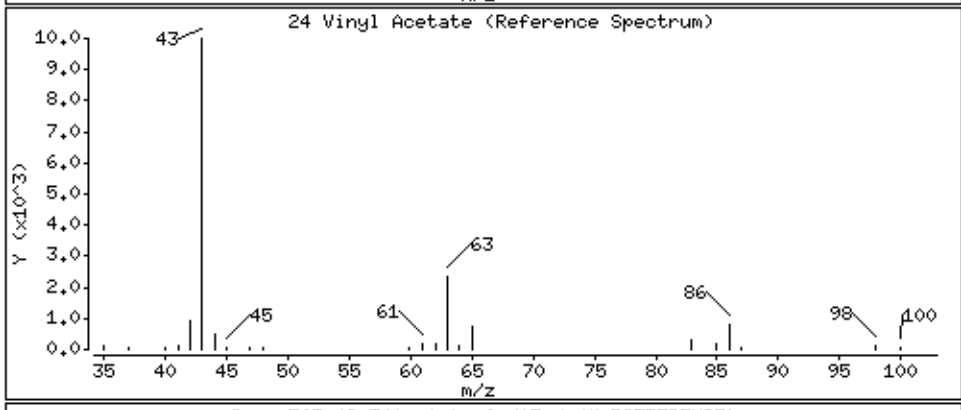
24 Vinyl Acetate

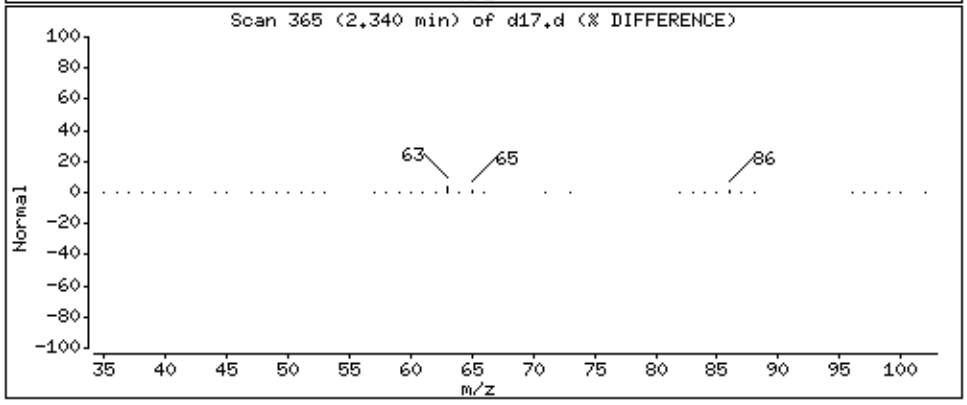
Concentration: 140 ppb

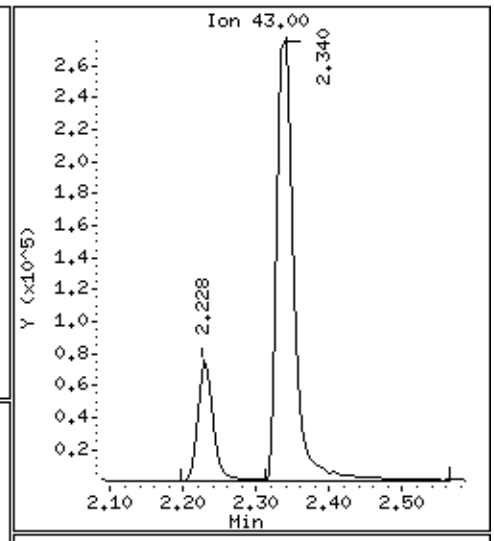
Review Code:

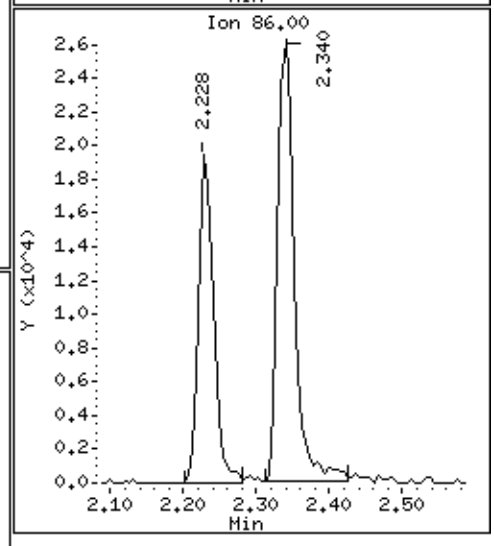












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

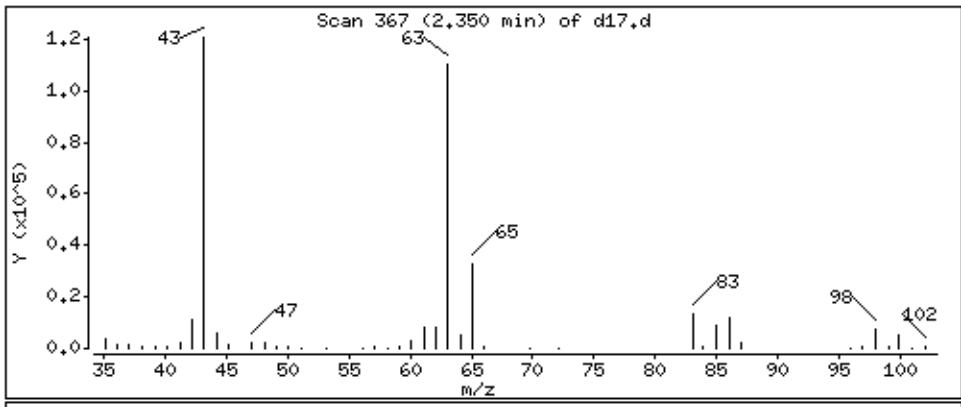
Column phase: DB-624

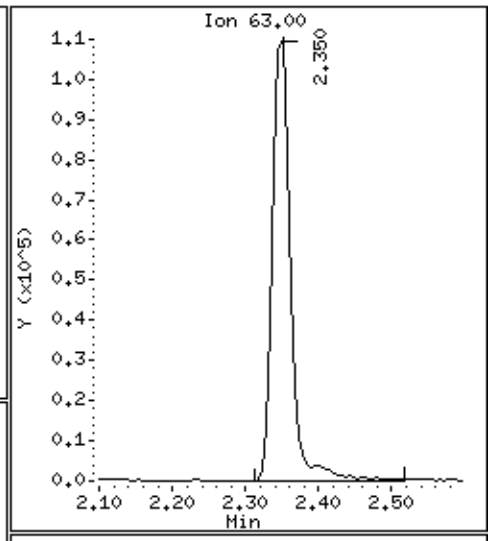
Column diameter: 0.18

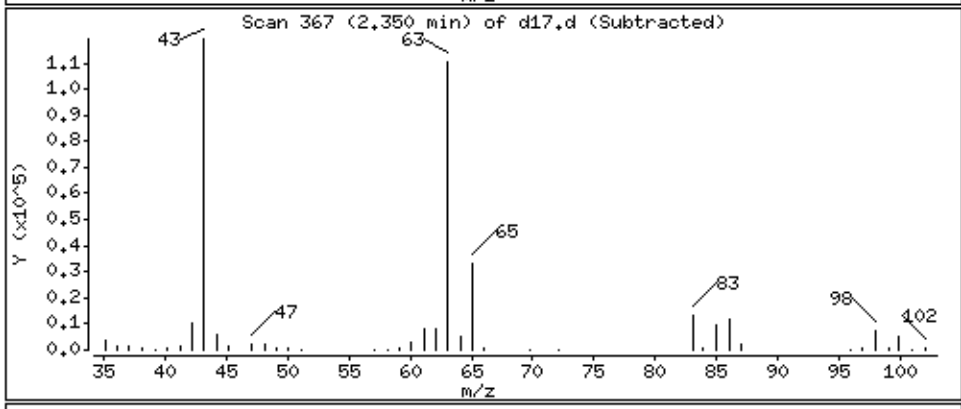
25 1,1-Dichloroethane

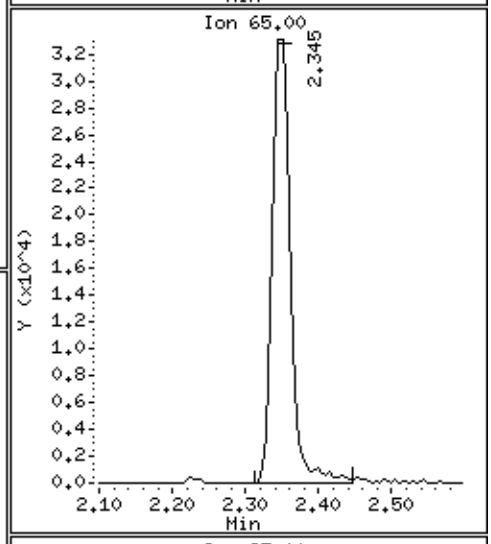
Concentration: 45.7 ppb

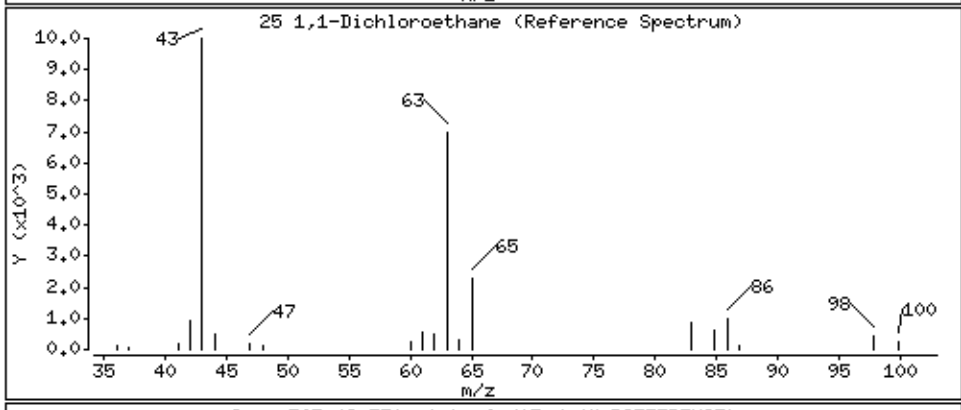
Review Code:

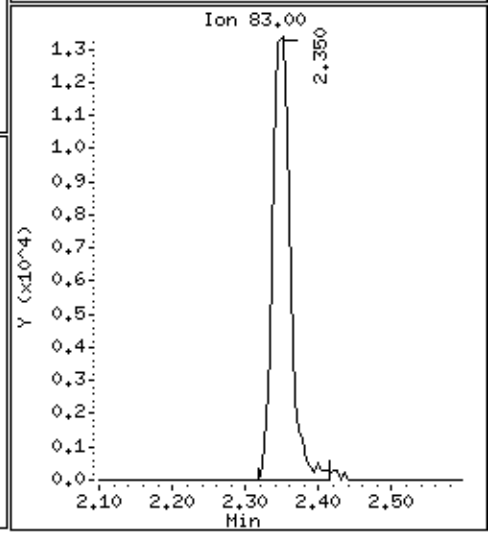


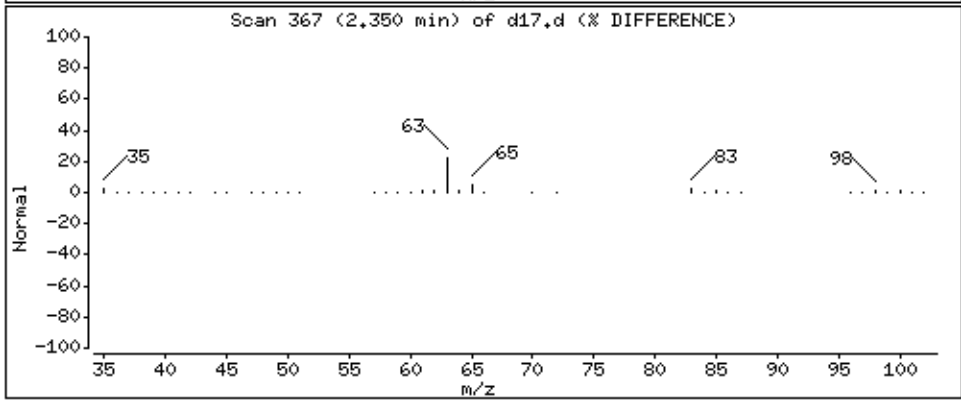












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

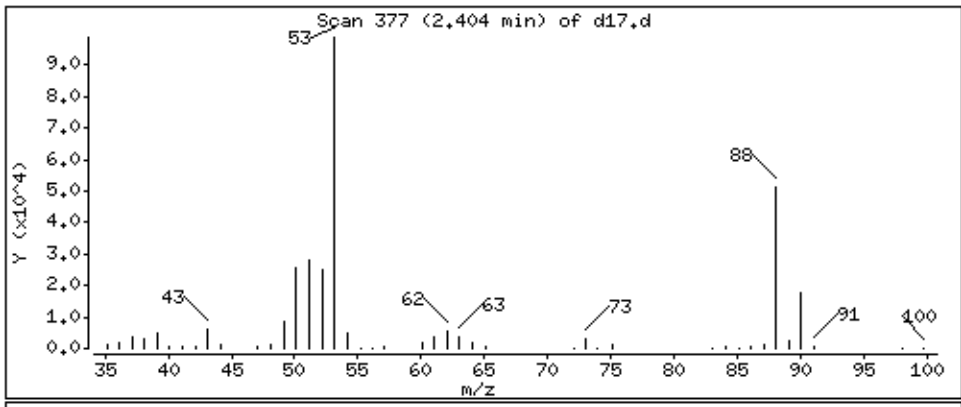
Column phase: DB-624

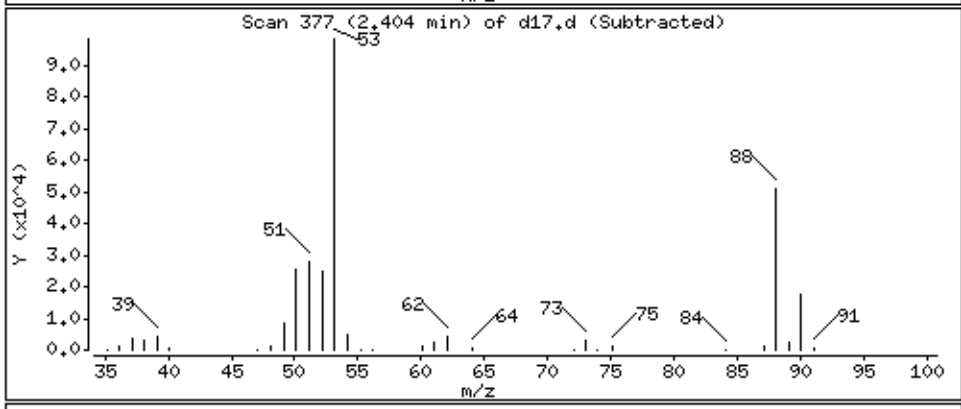
Column diameter: 0.18

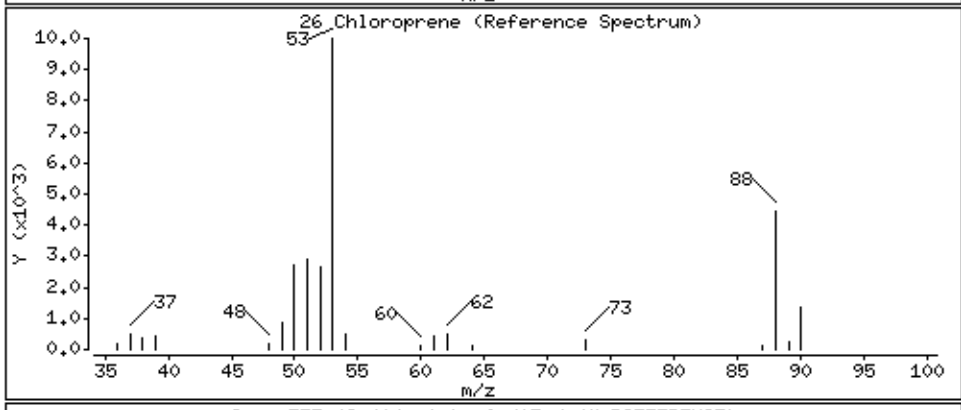
26 Chloroprene

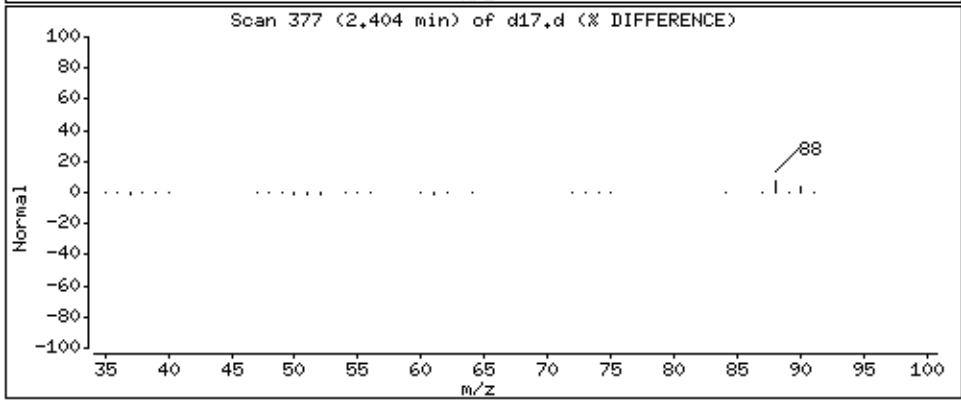
Concentration: 40.5 ppb

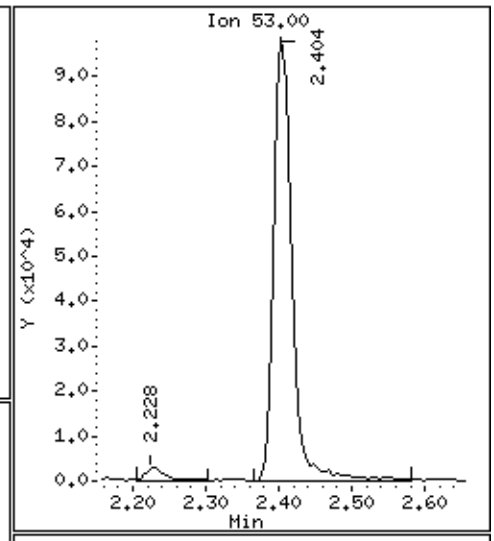
Review Code:

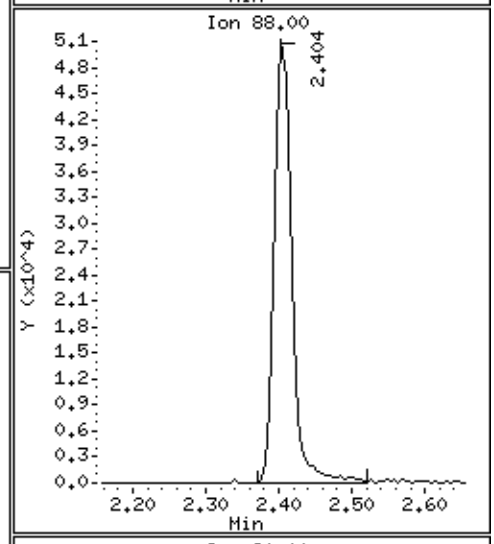


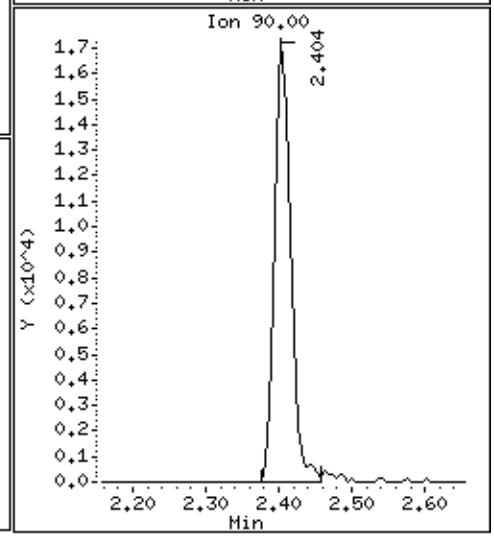












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

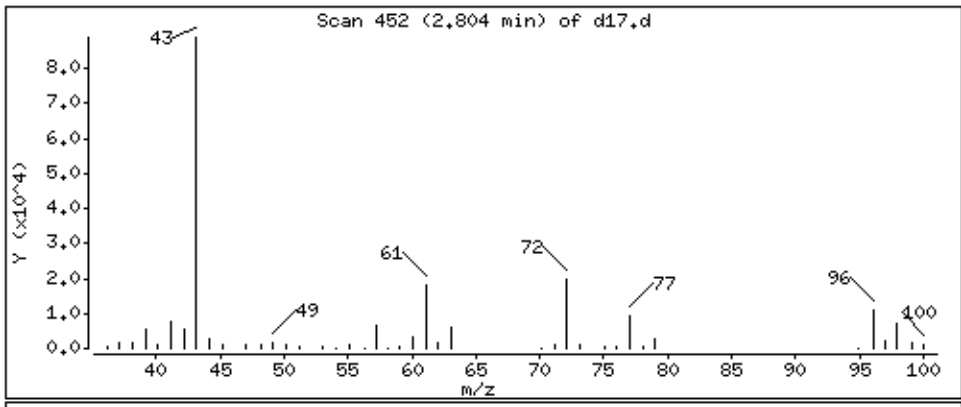
Column phase: DB-624

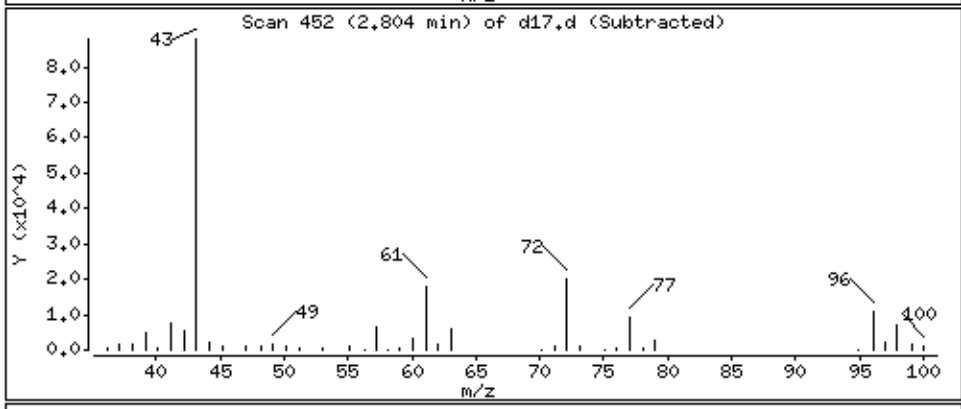
Column diameter: 0.18

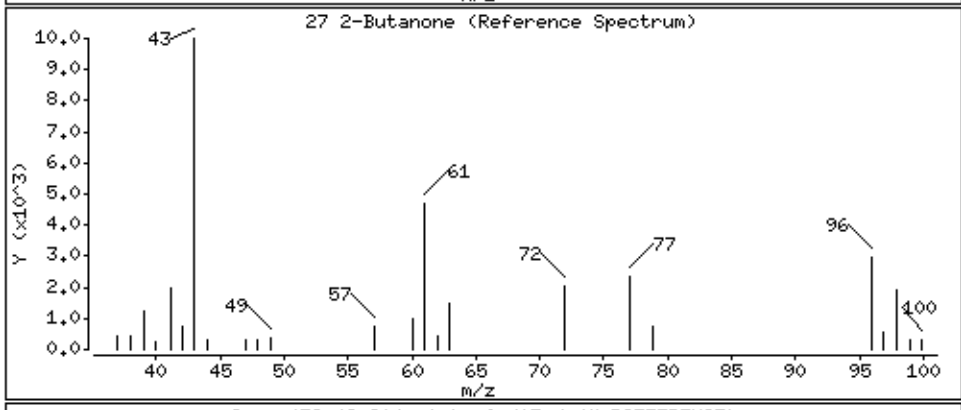
27 2-Butanone

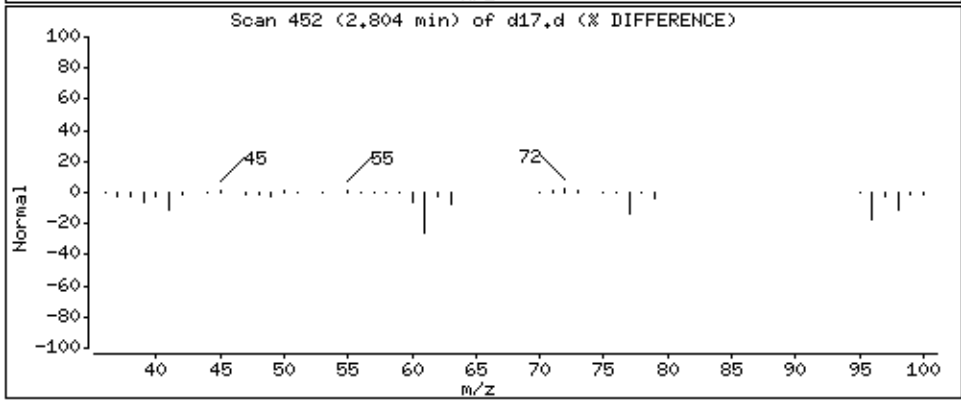
Concentration: 294 ppb

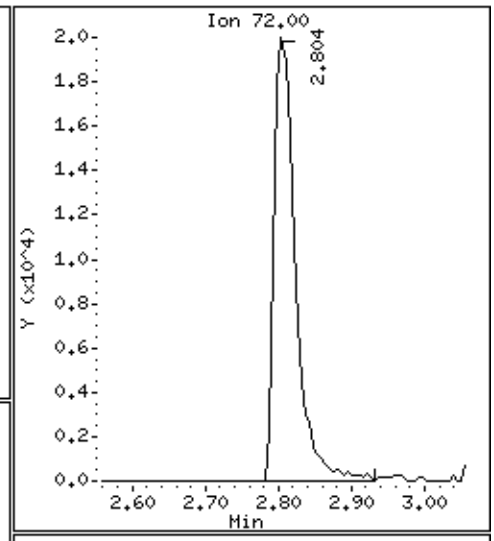
Review Code:

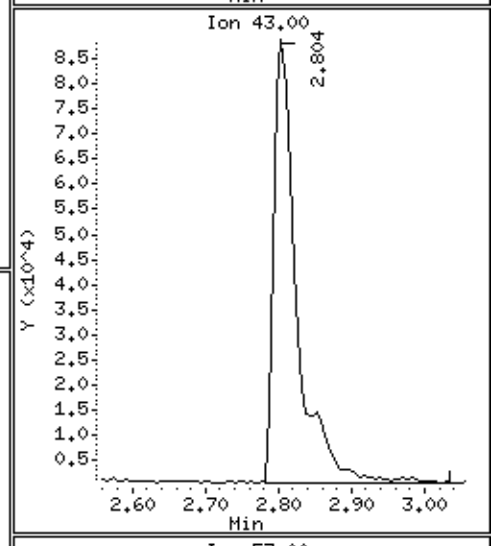


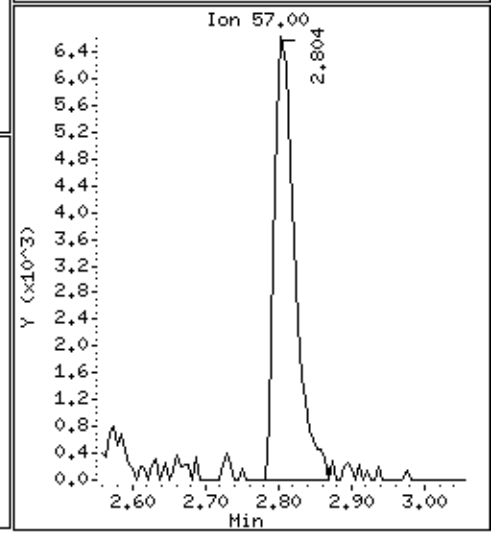












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

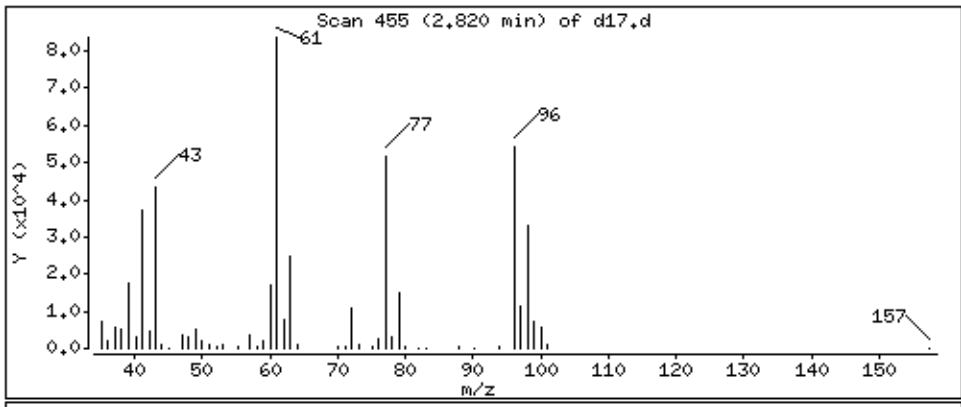
Column phase: DB-624

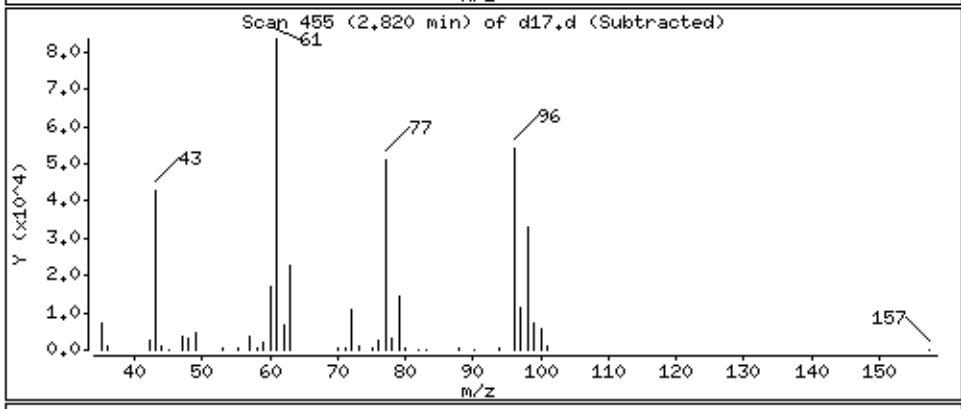
Column diameter: 0.18

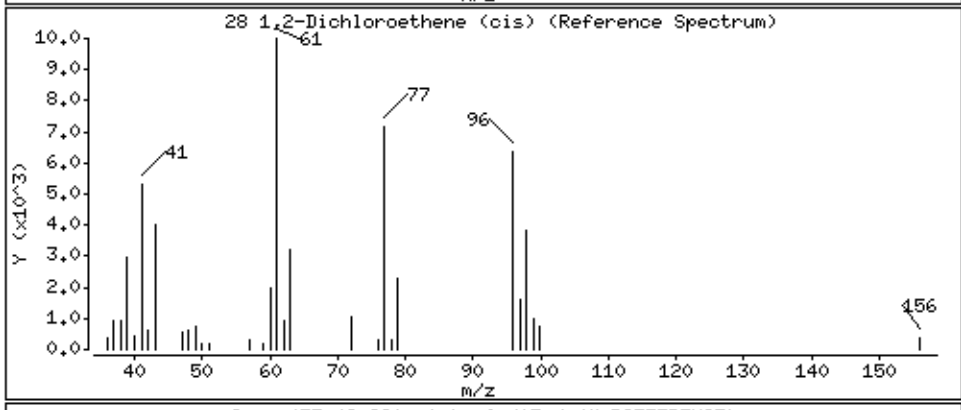
28 1,2-Dichloroethene (cis)

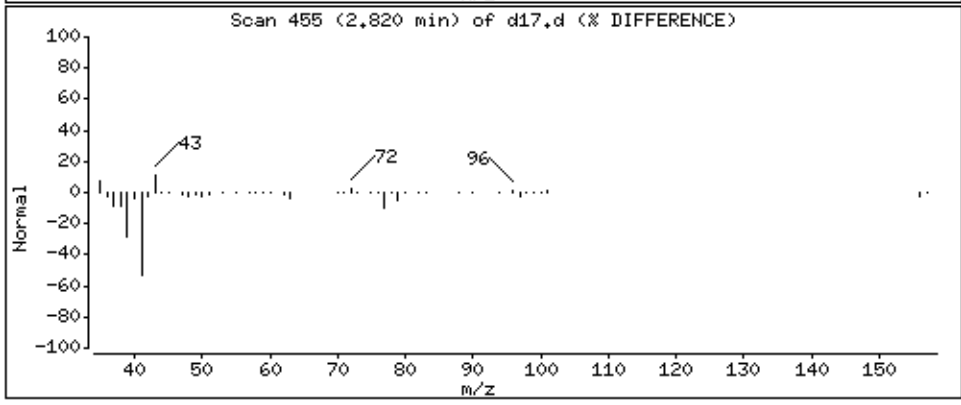
Concentration: 44.4 ppb

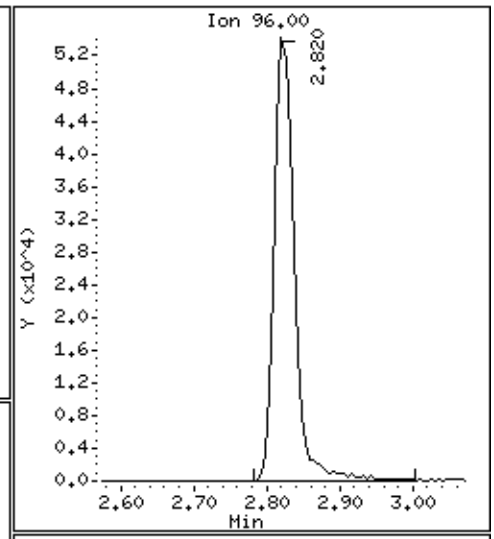
Review Code:

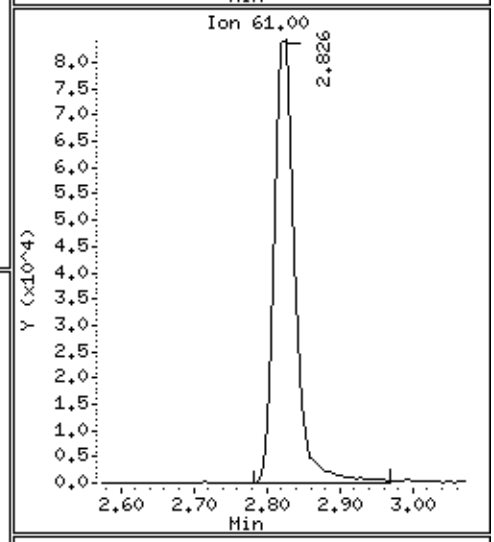


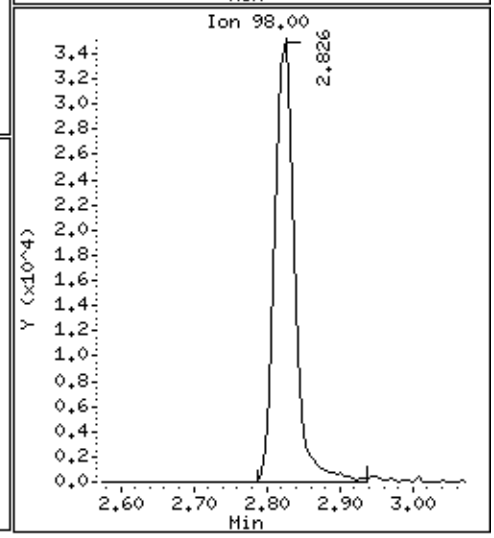












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

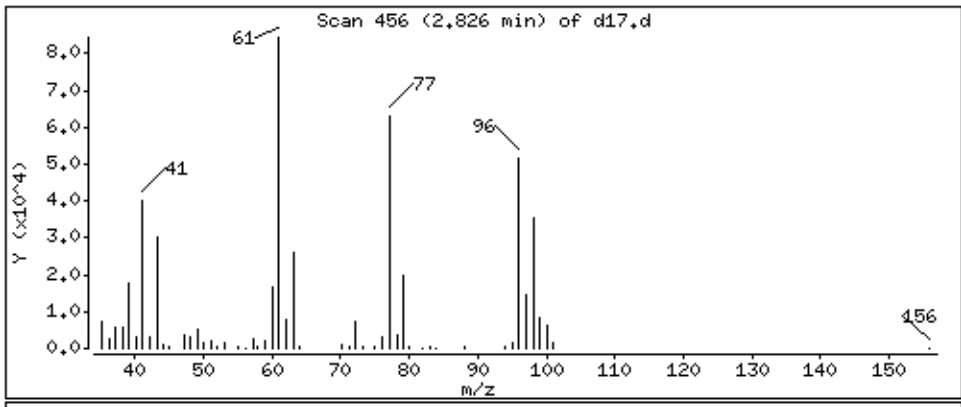
Column phase: DB-624

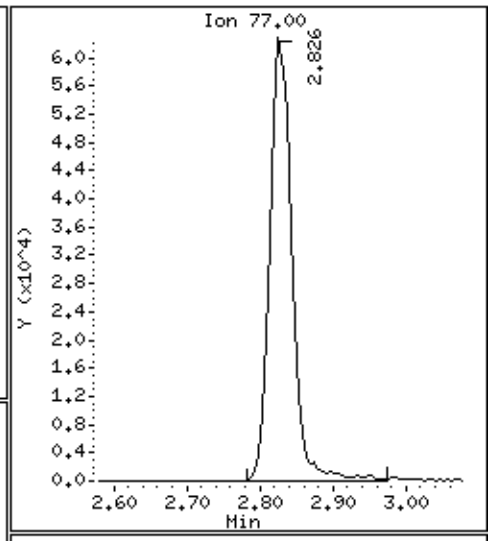
Column diameter: 0.18

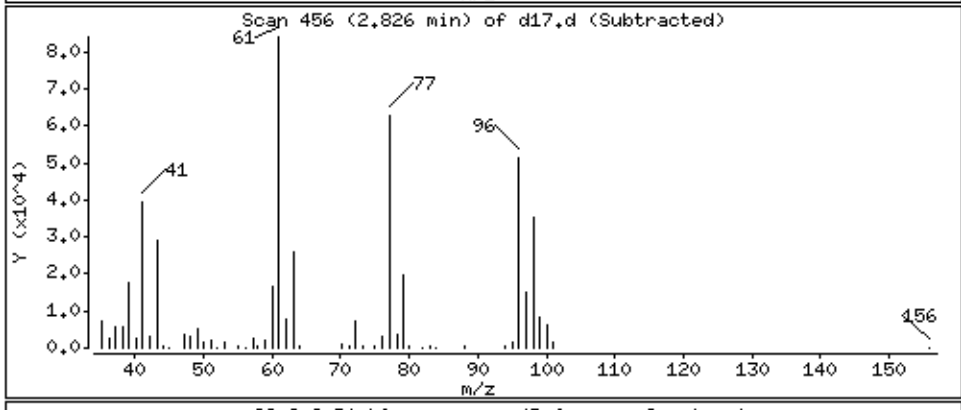
29 2,2-Dichloropropane

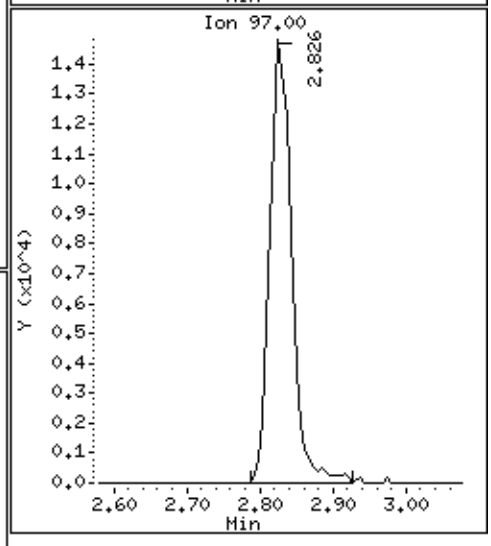
Concentration: 40.8 ppb

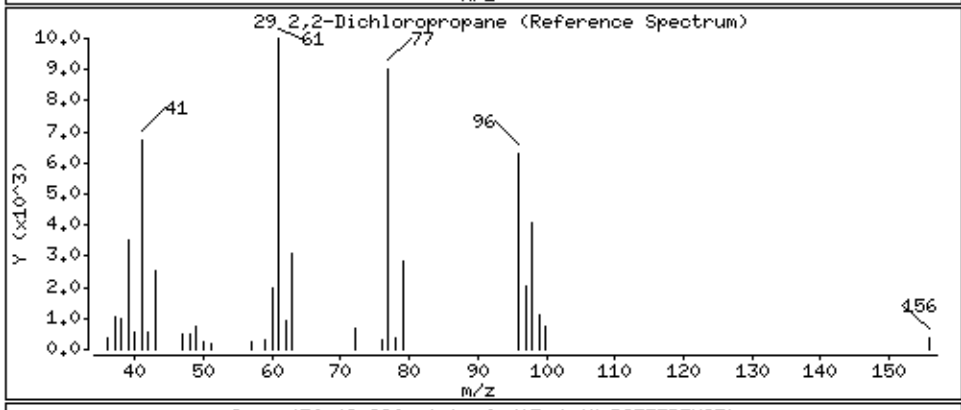
Review Code:

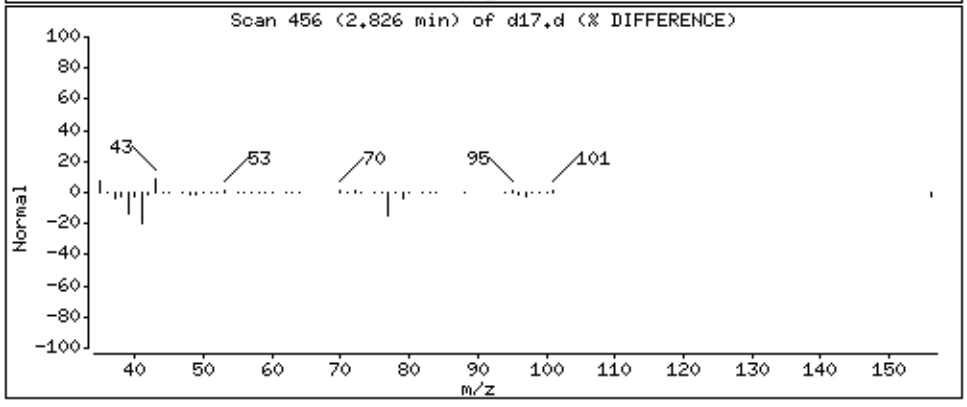












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

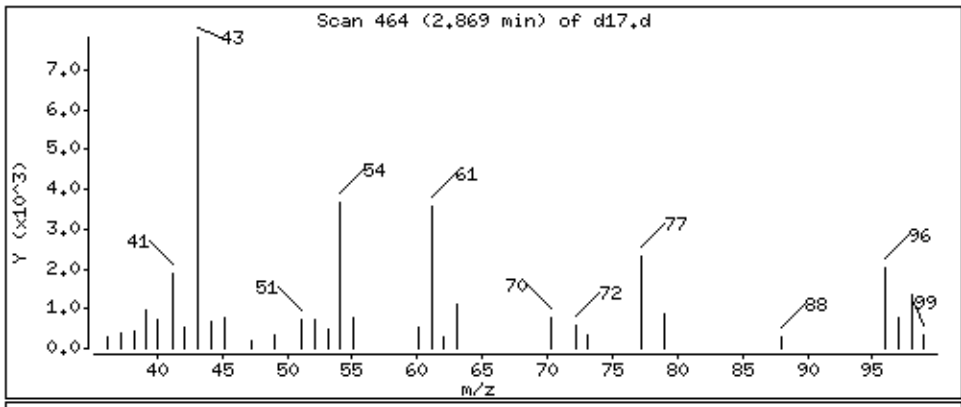
Column phase: DB-624

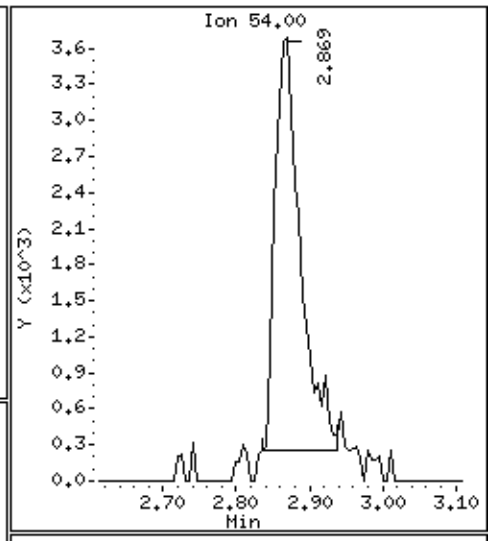
Column diameter: 0.18

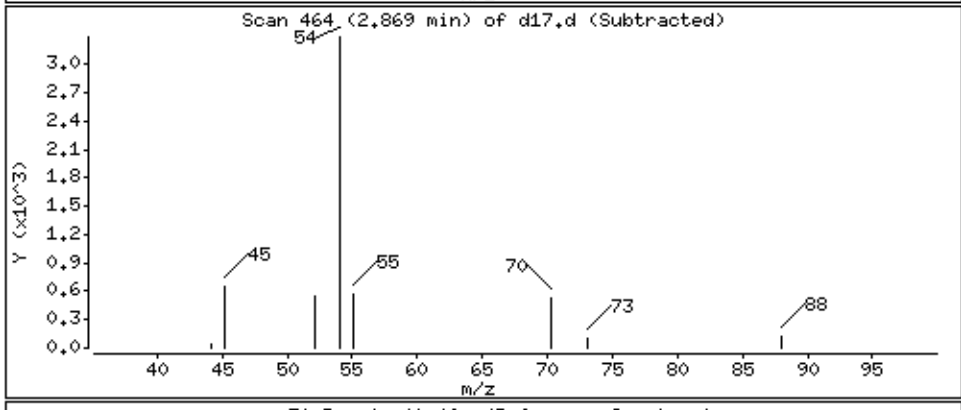
30 Propionitrile

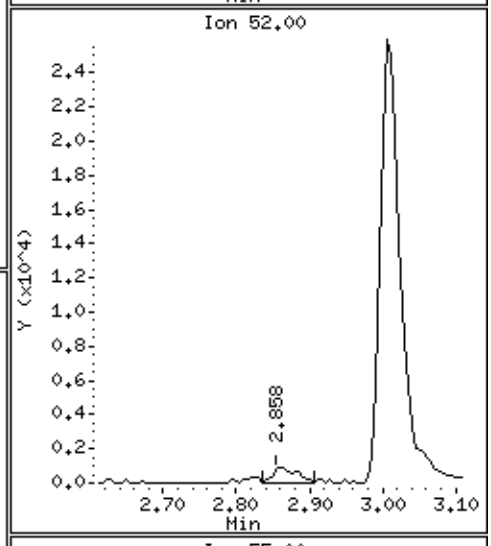
Concentration: 42.4 ppb

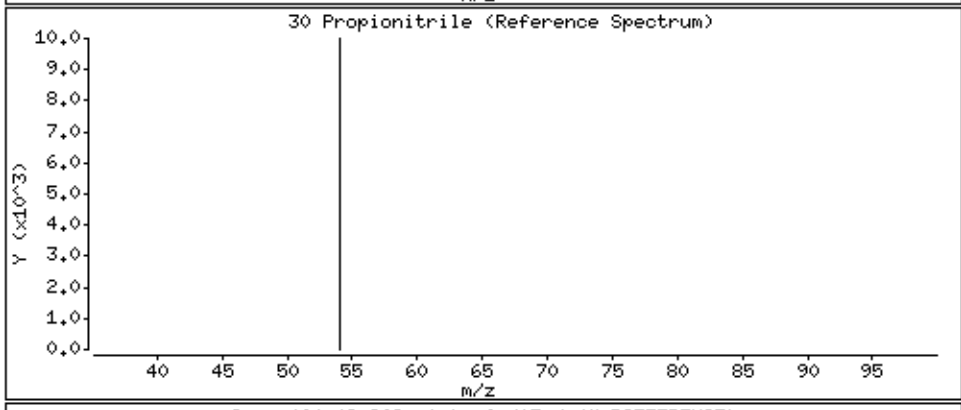
Review Code:

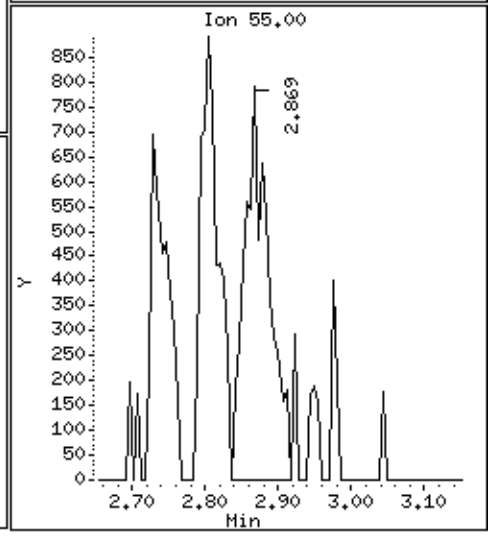


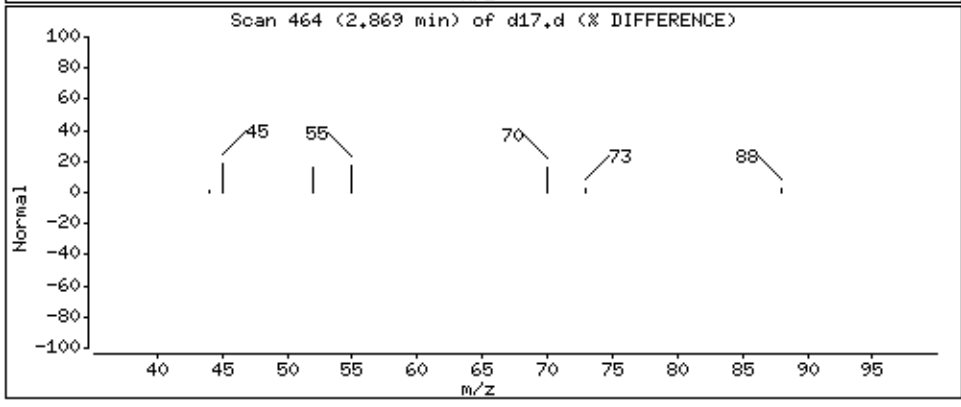












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

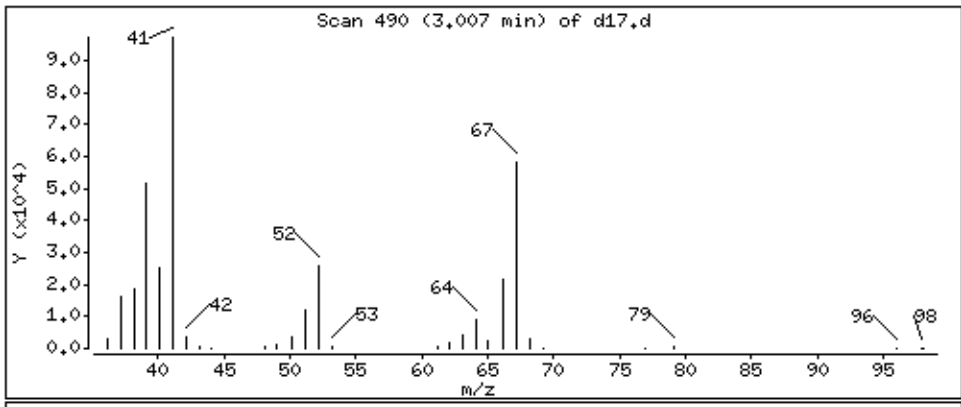
Column phase: DB-624

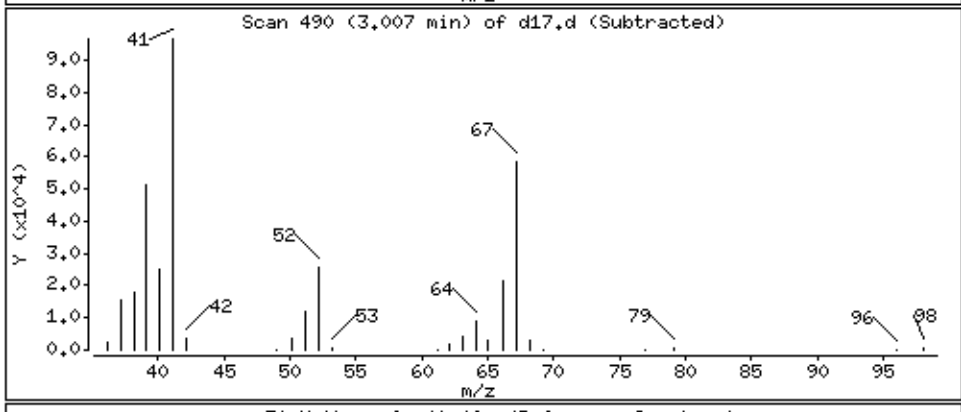
Column diameter: 0.18

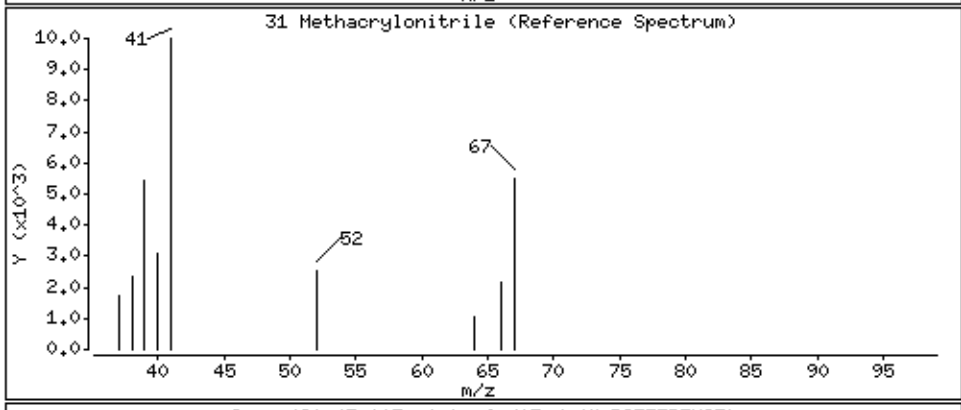
31 Methacrylonitrile

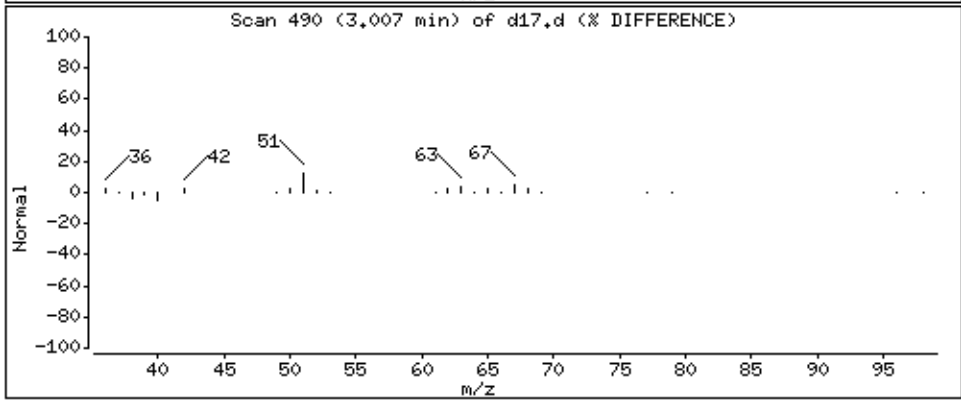
Concentration: 235 ppb

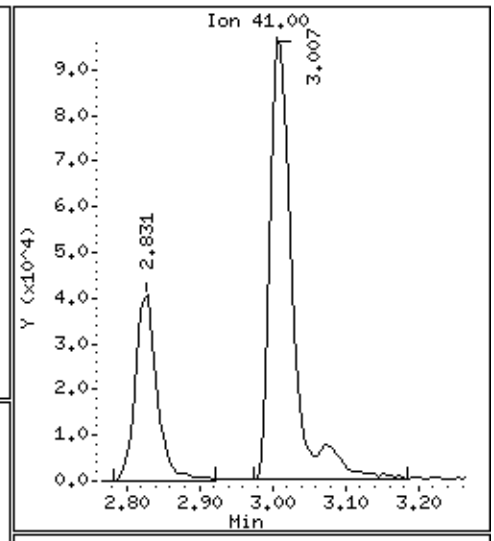
Review Code:

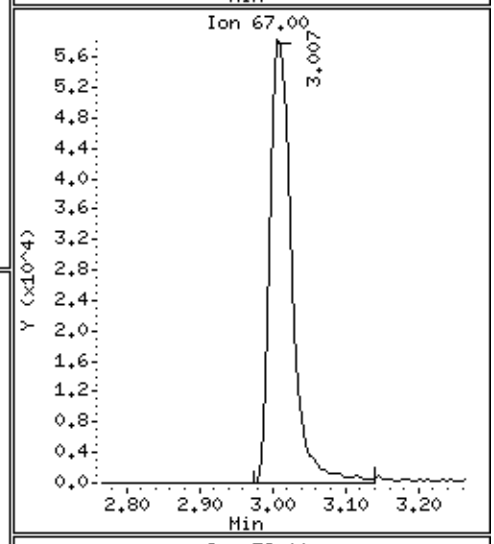


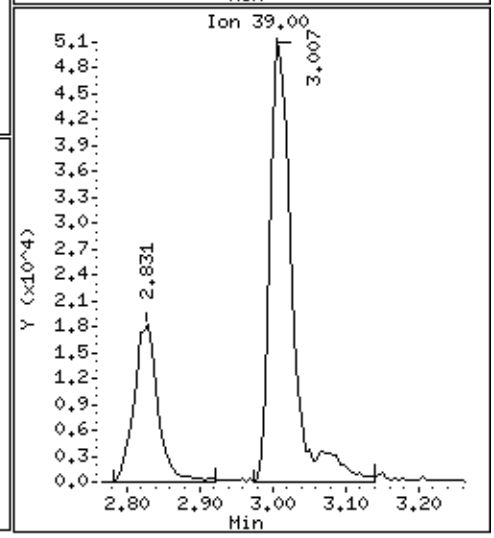












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

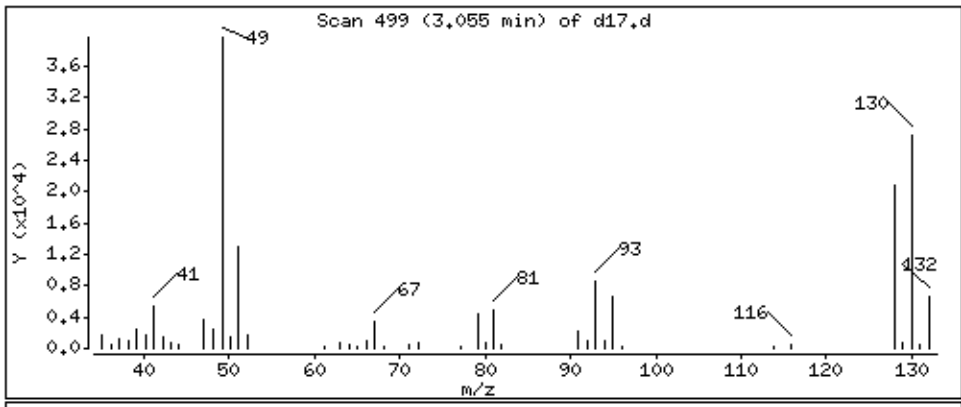
Column phase: DB-624

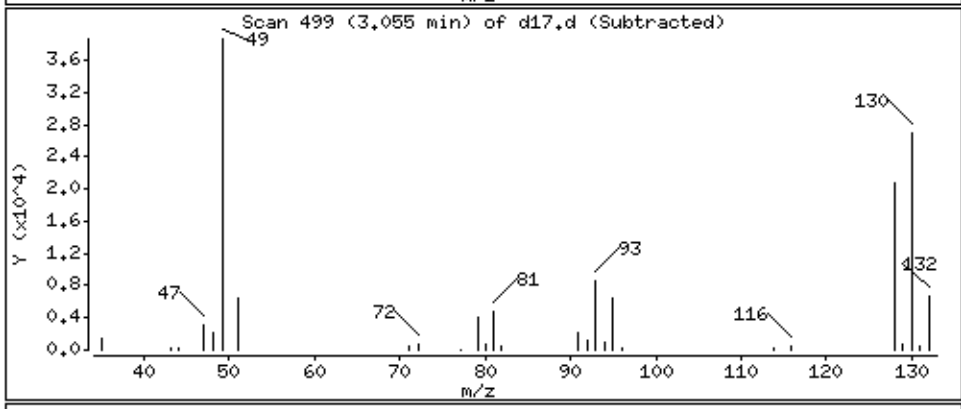
Column diameter: 0.18

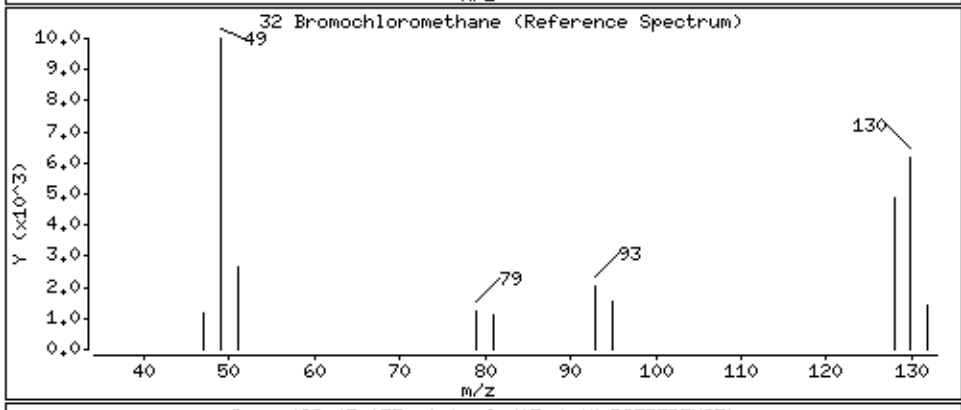
32 Bromochloromethane

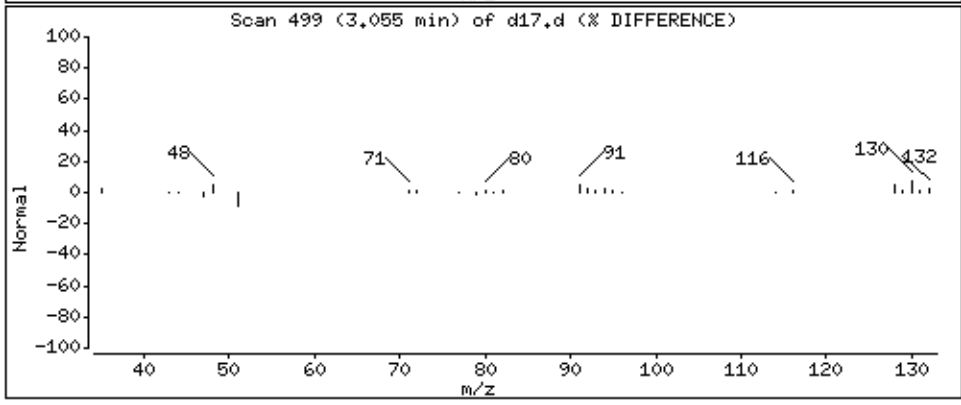
Concentration: 45.3 ppb

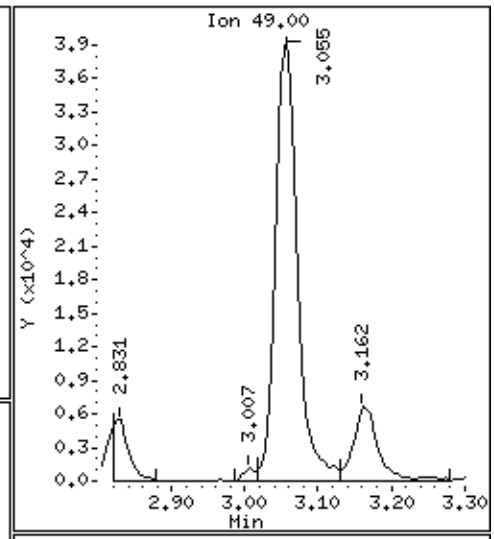
Review Code:

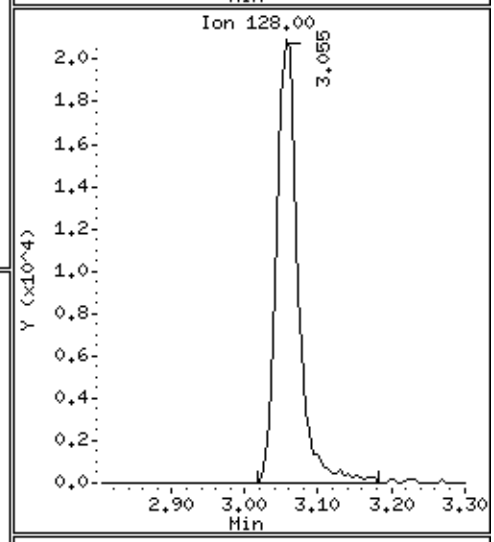


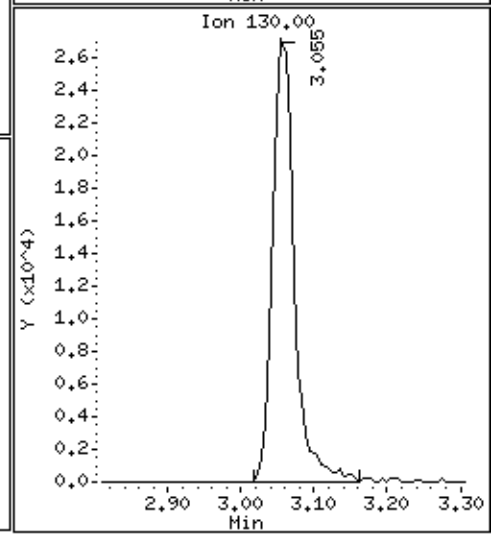












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

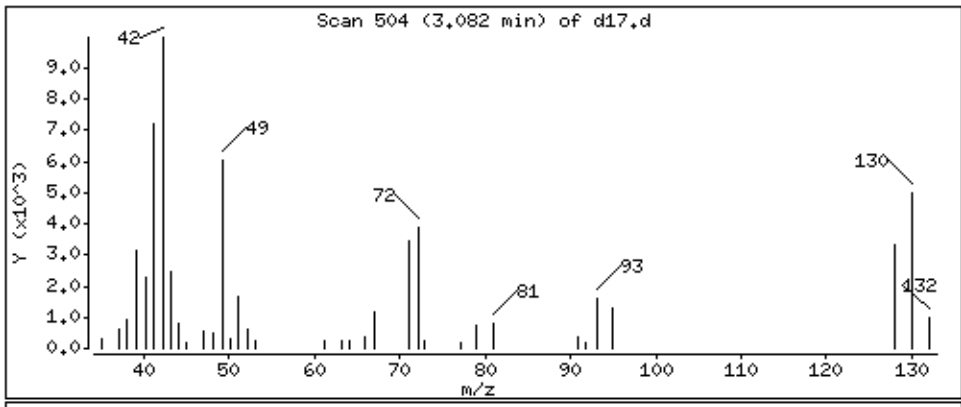
Column phase: DB-624

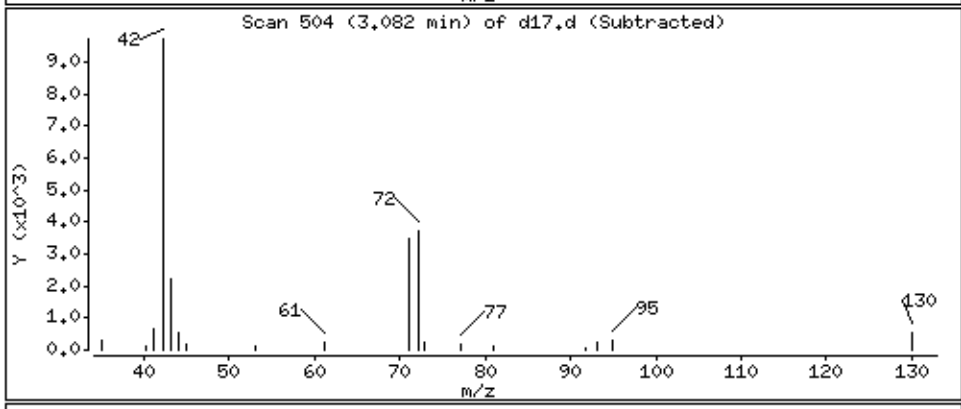
Column diameter: 0.18

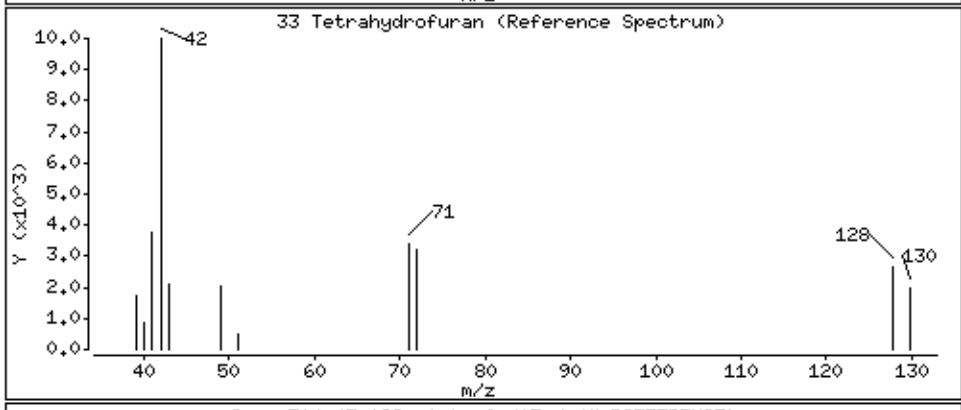
33 Tetrahydrofuran

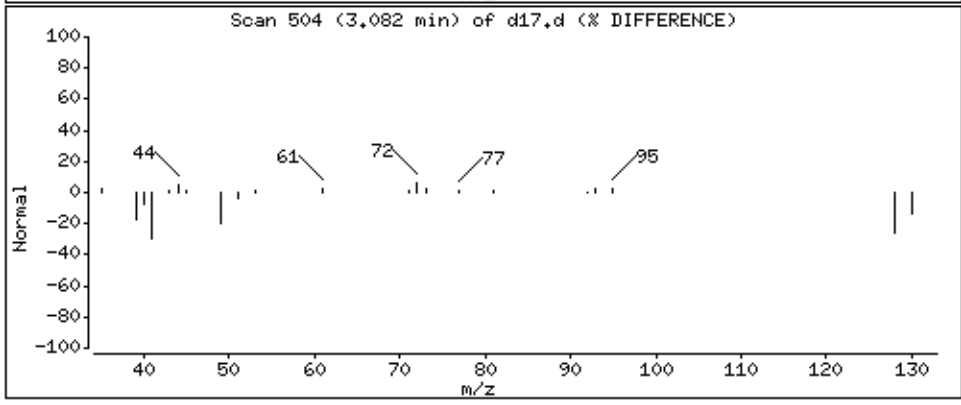
Concentration: 54.9 ppb

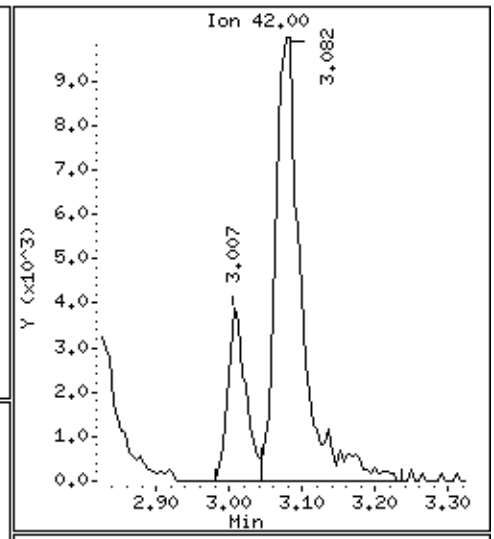
Review Code:

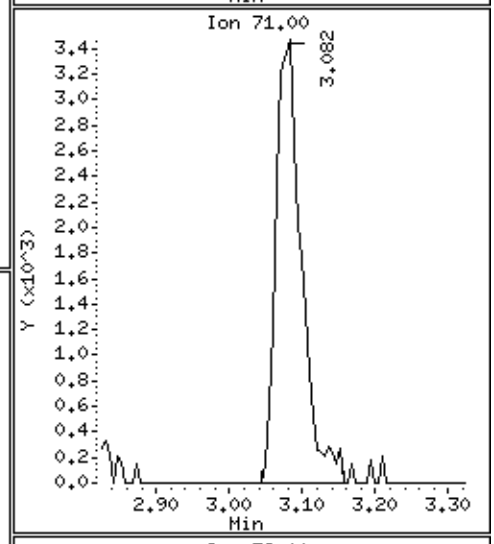


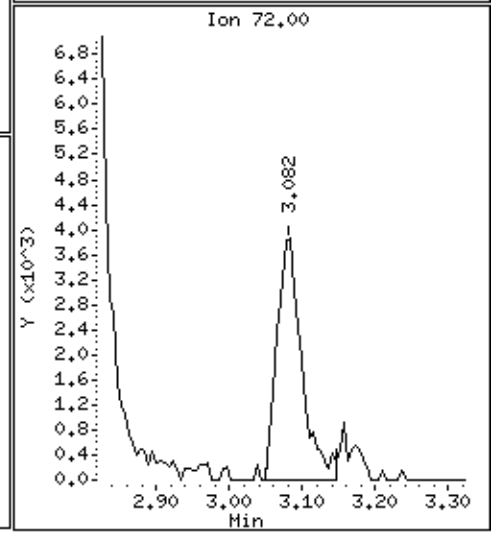












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

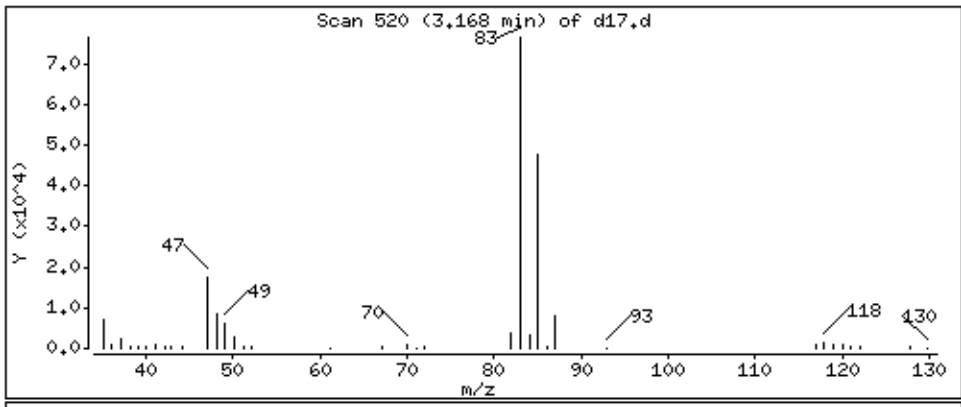
Column phase: DB-624

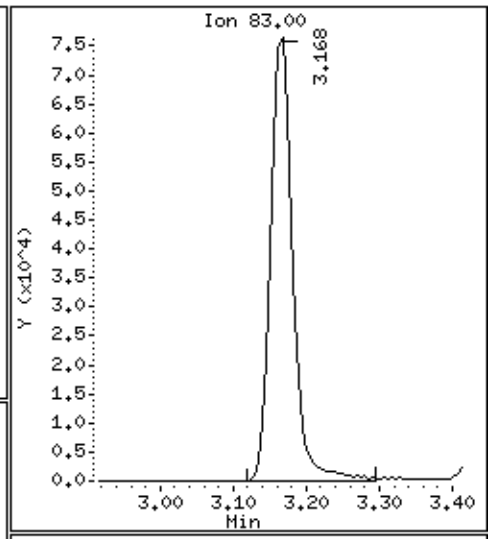
Column diameter: 0.18

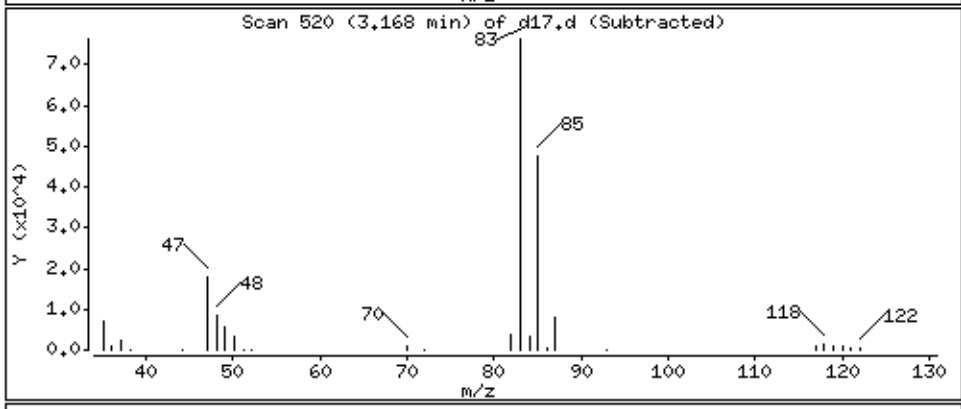
34 Chloroform

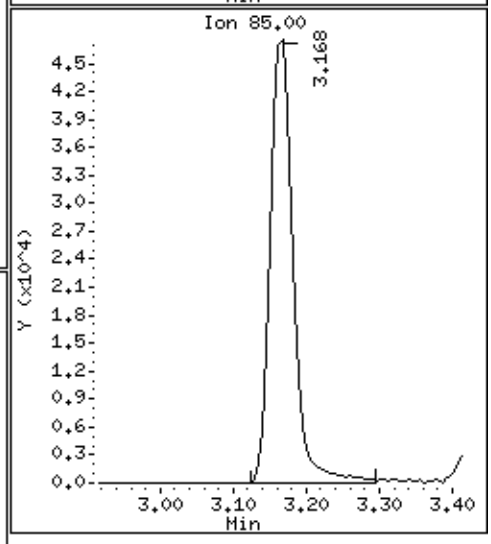
Concentration: 41.2 ppb

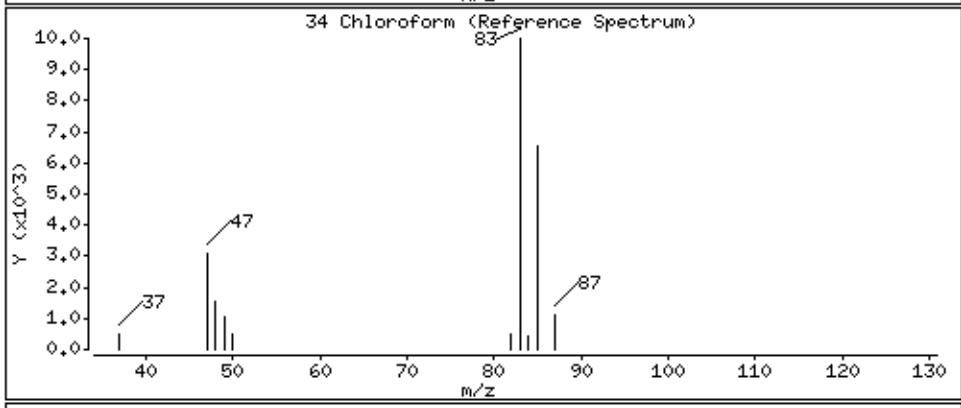
Review Code:

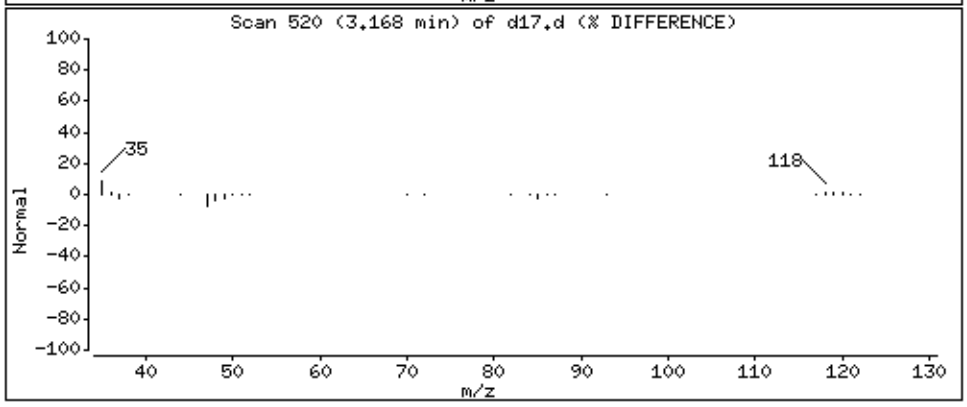












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

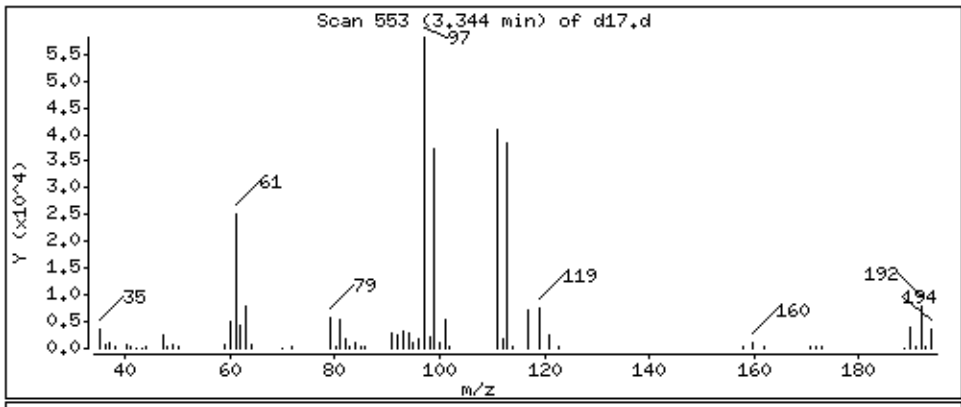
Column phase: DB-624

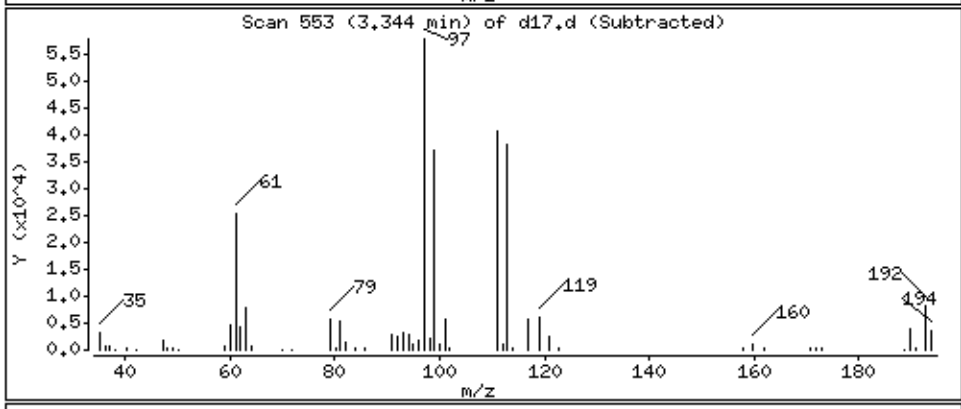
Column diameter: 0.18

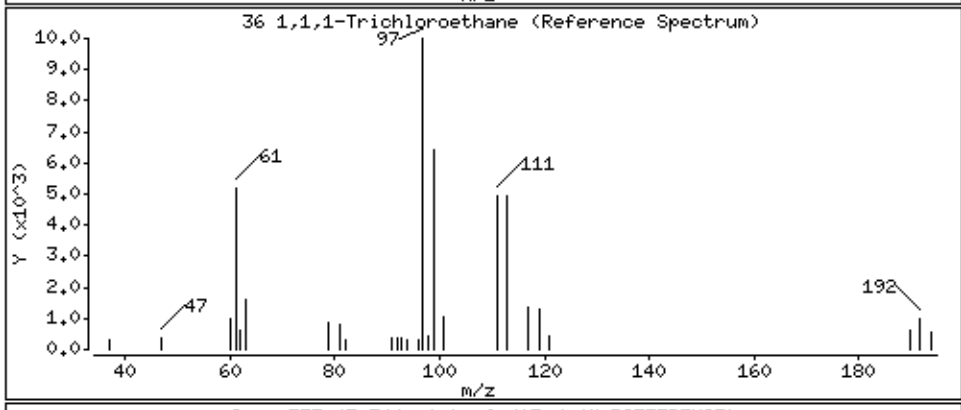
36 1,1,1-Trichloroethane

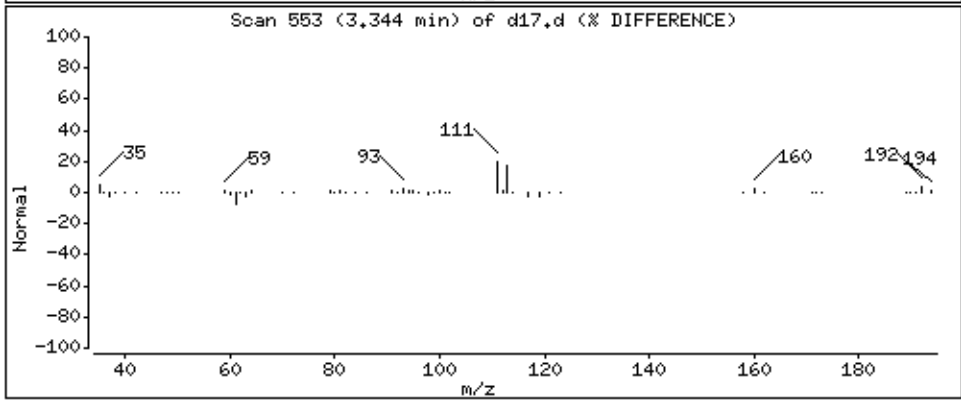
Concentration: 41.0 ppb

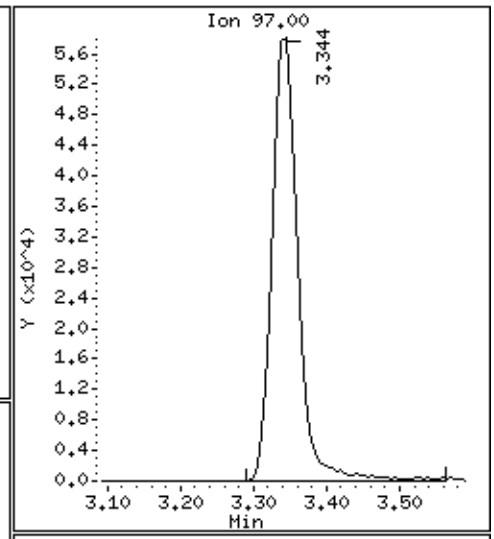
Review Code:

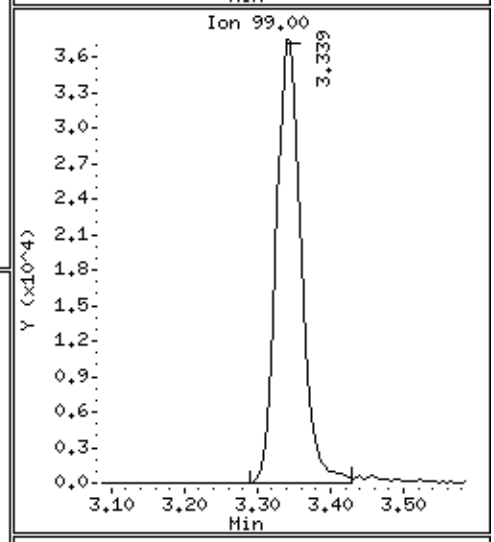


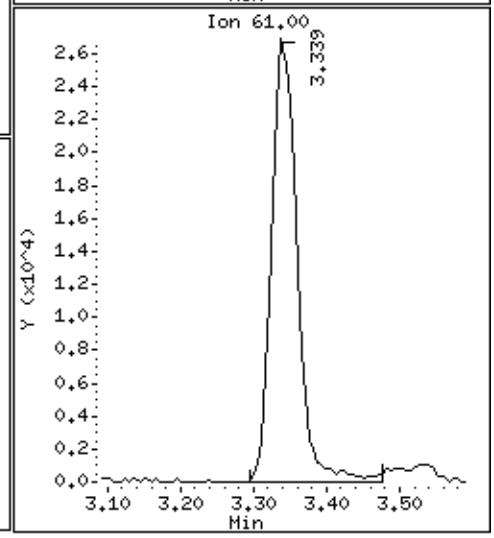












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Page 40

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

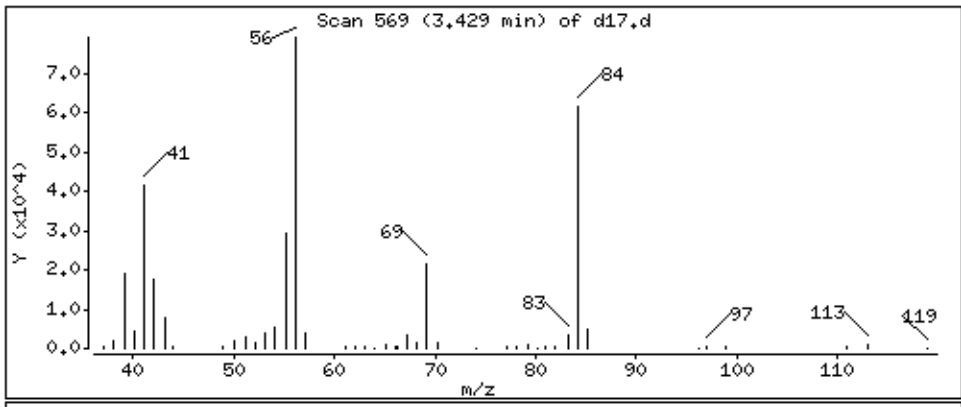
Column phase: DB-624

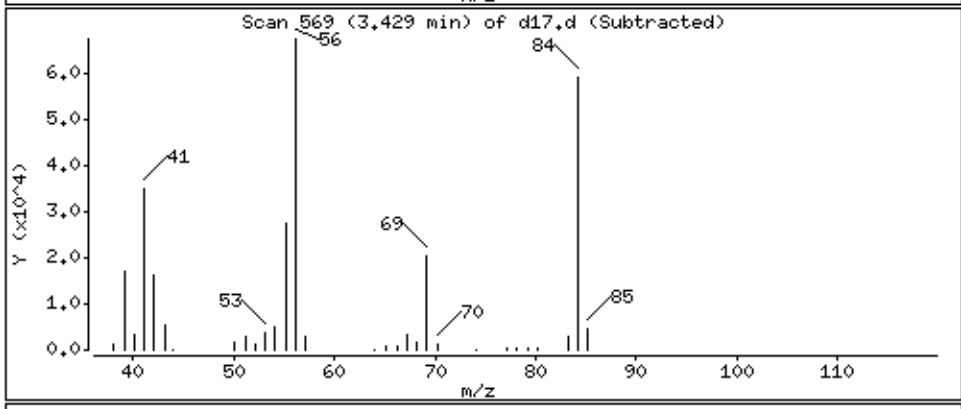
Column diameter: 0.18

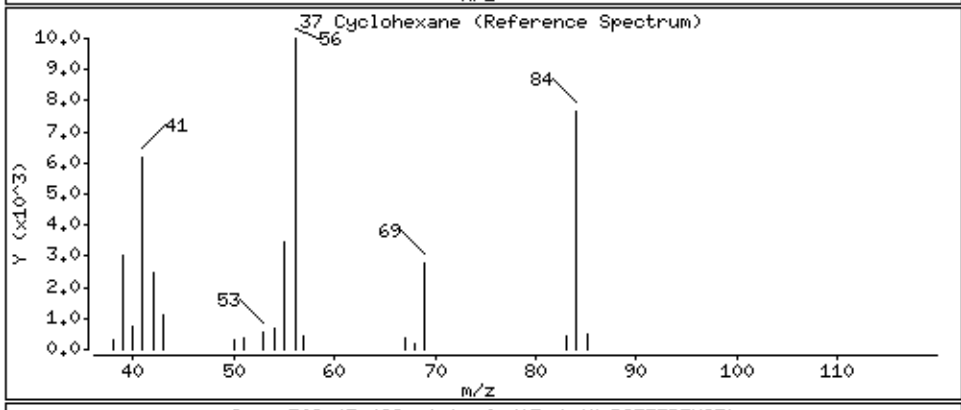
37 Cyclohexane

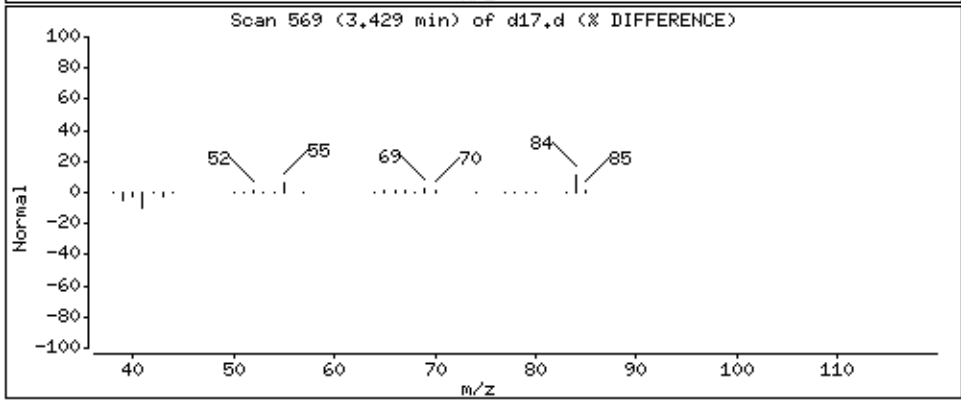
Concentration: 43.7 ppb

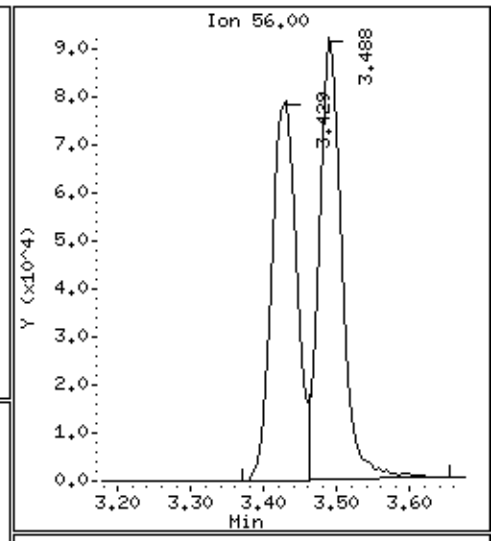
Review Code:

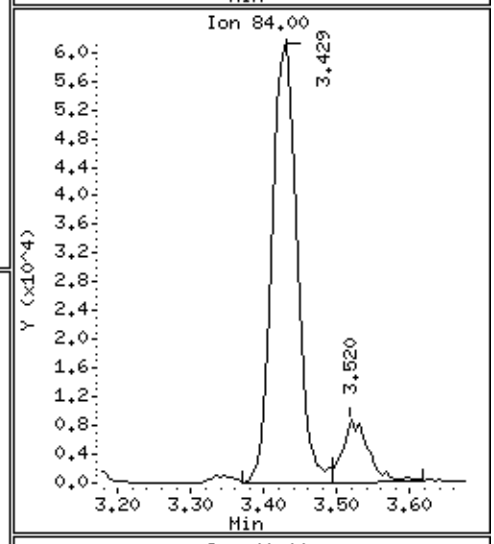


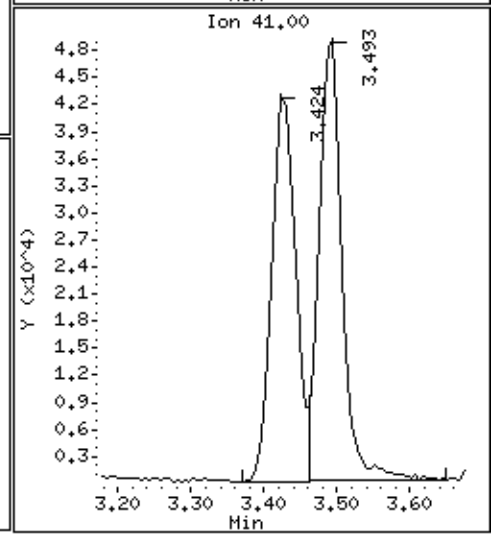












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

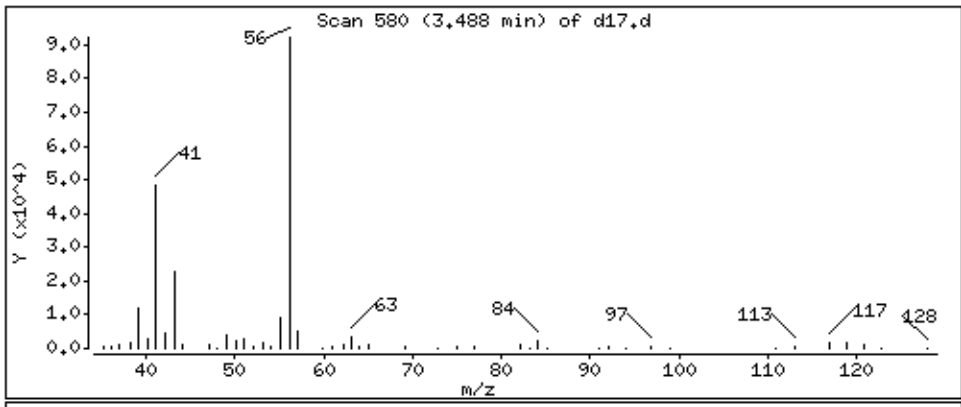
Column phase: DB-624

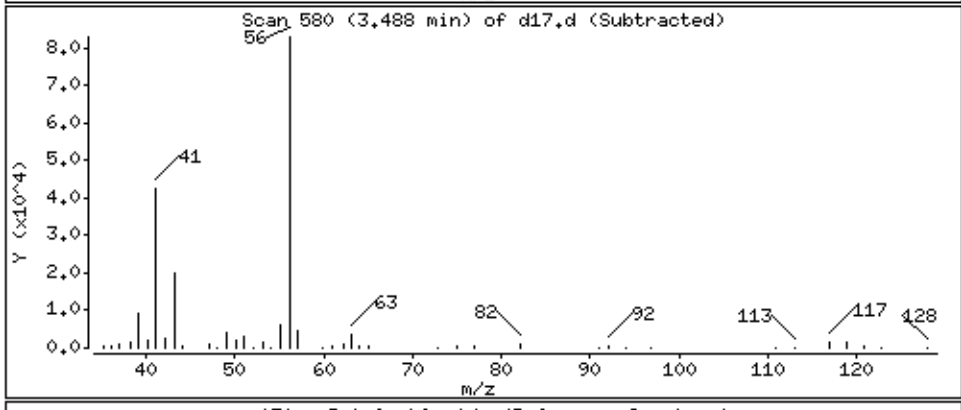
Column diameter: 0.18

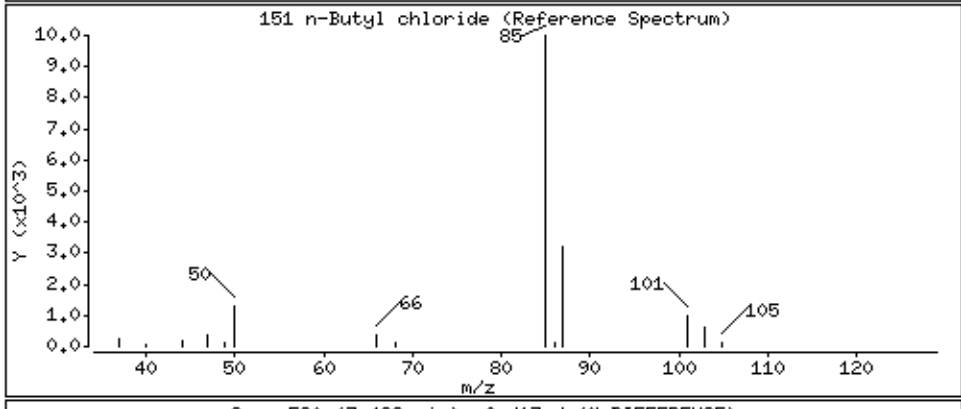
151 n-Butyl chloride

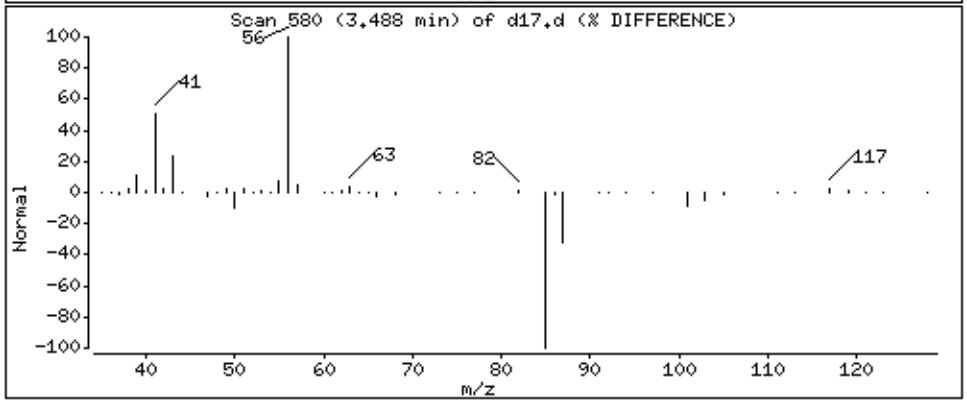
Concentration: 40.2 ppb

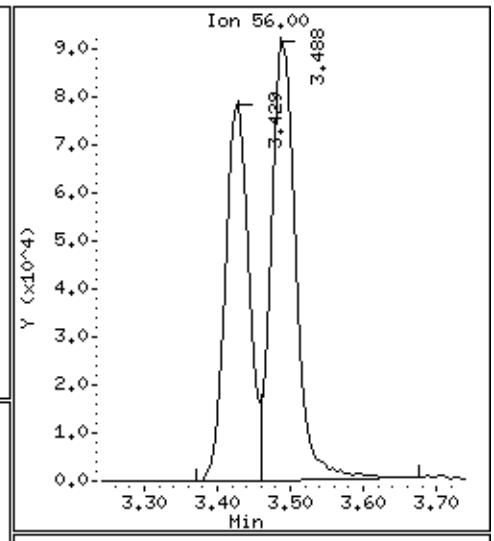
Review Code:

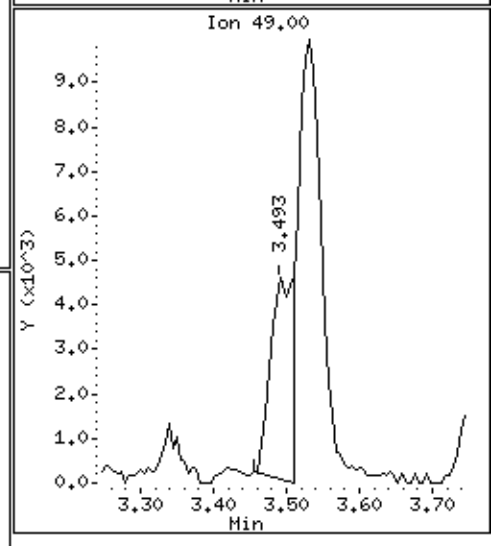












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

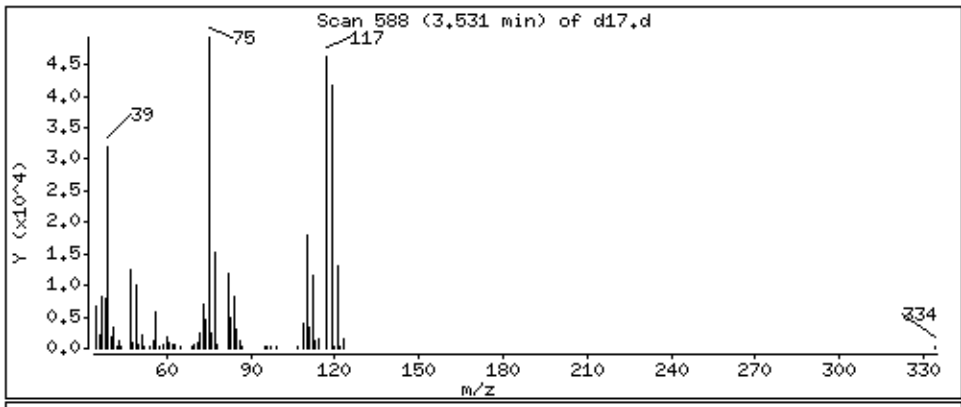
Column phase: DB-624

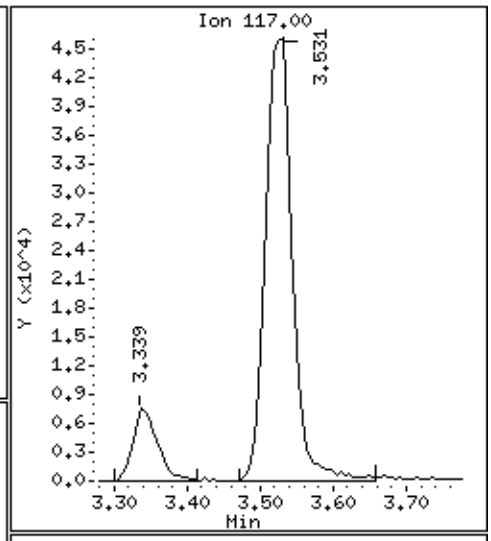
Column diameter: 0.18

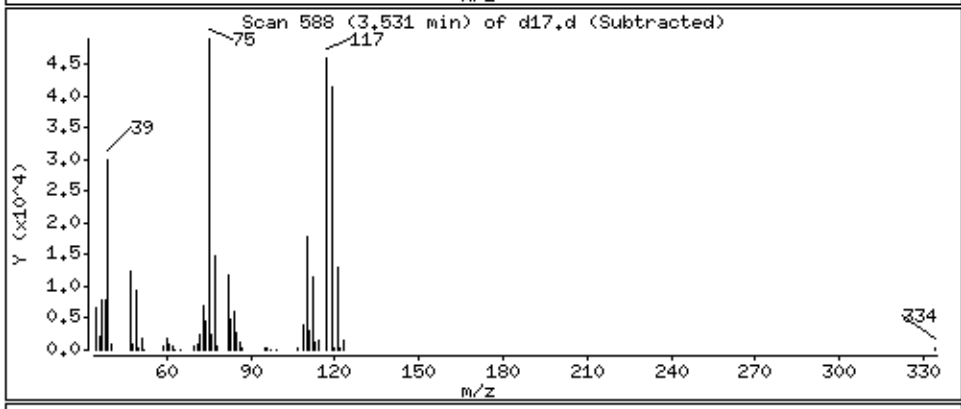
38 Carbon Tetrachloride

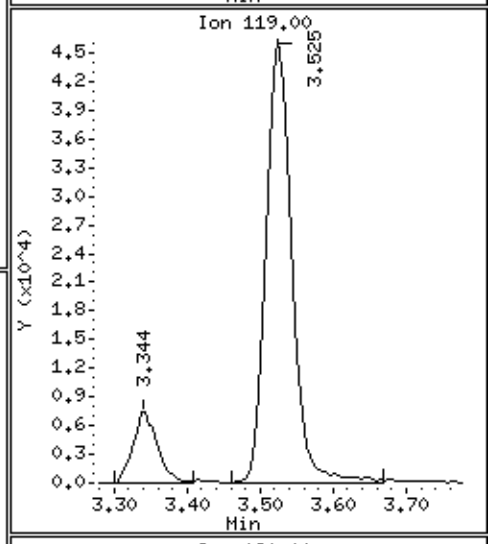
Concentration: 38.1 ppb

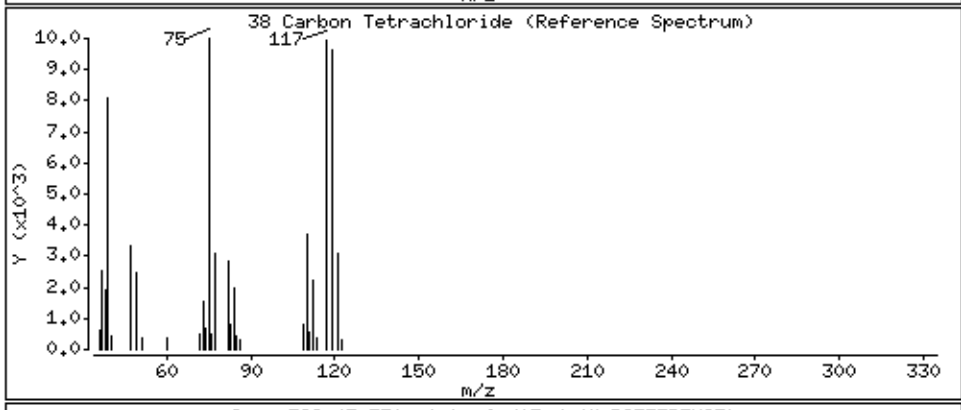
Review Code:

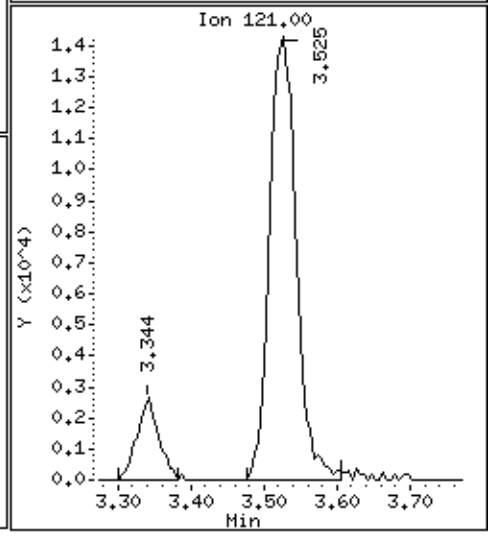


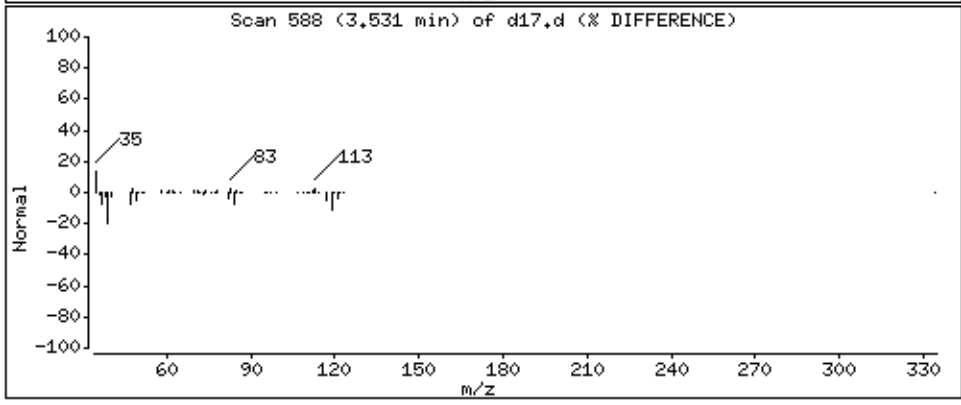












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Page 43

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

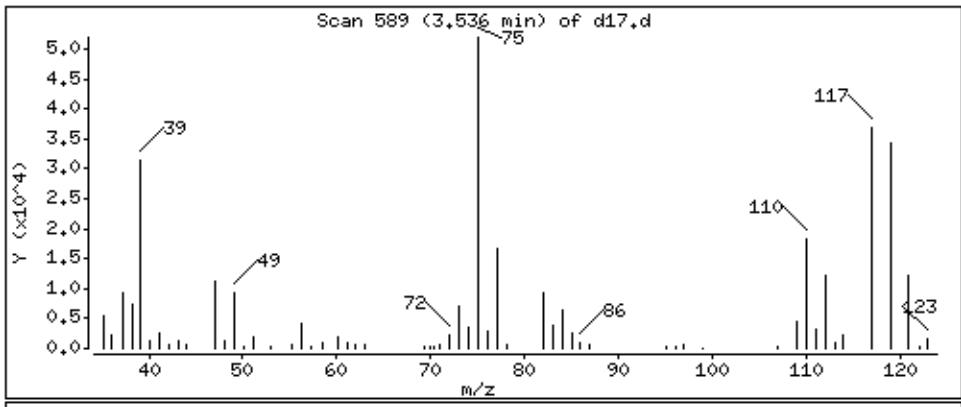
Column phase: DB-624

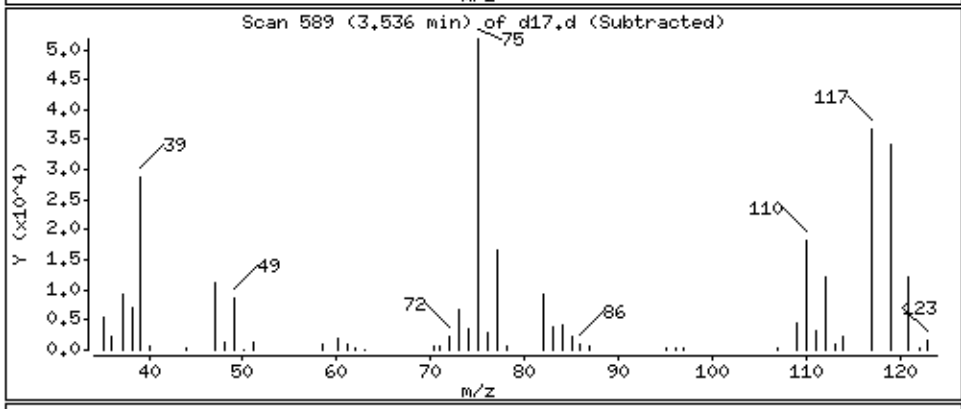
Column diameter: 0.18

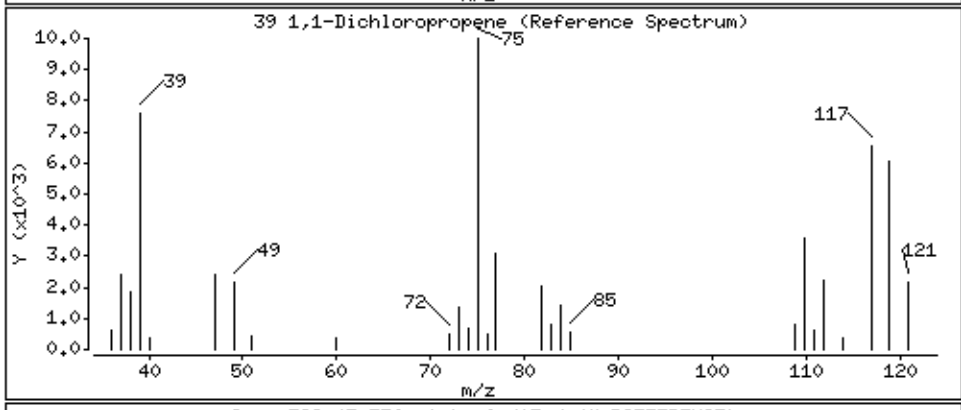
39 1,1-Dichloropropene

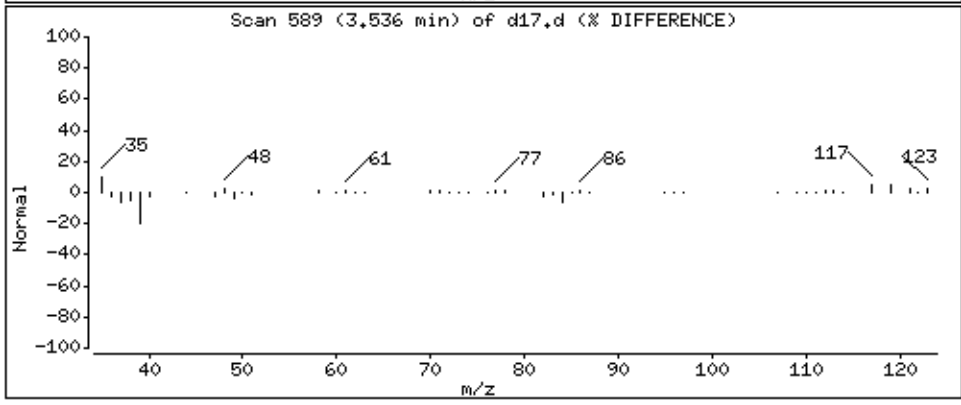
Concentration: 37.6 ppb

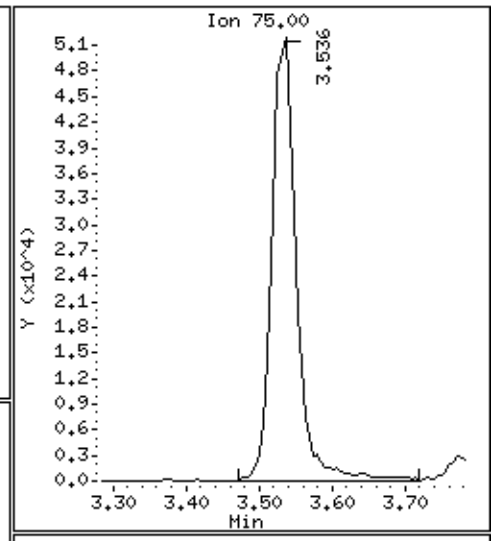
Review Code:

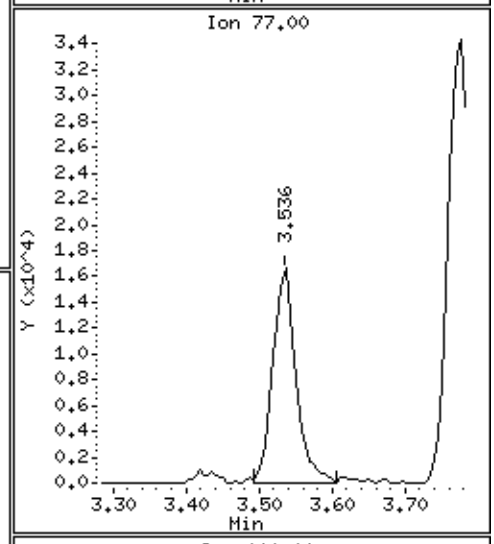


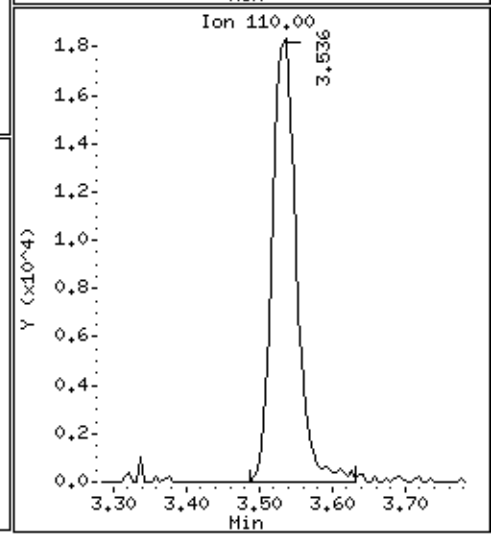












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

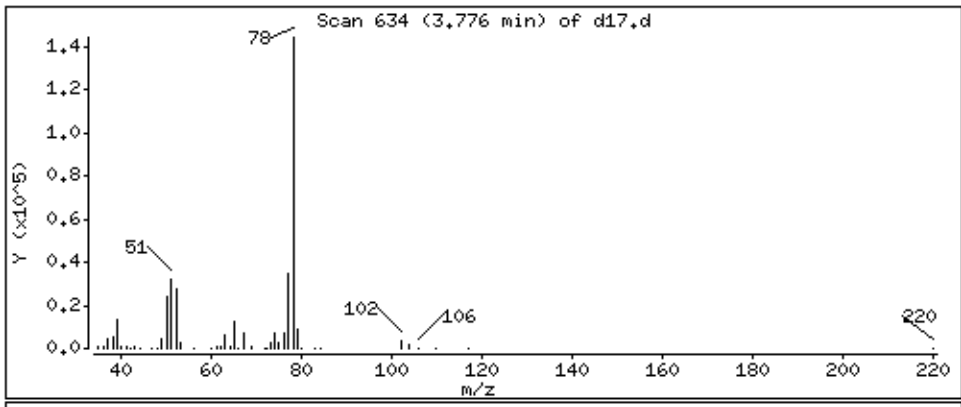
Column phase: DB-624

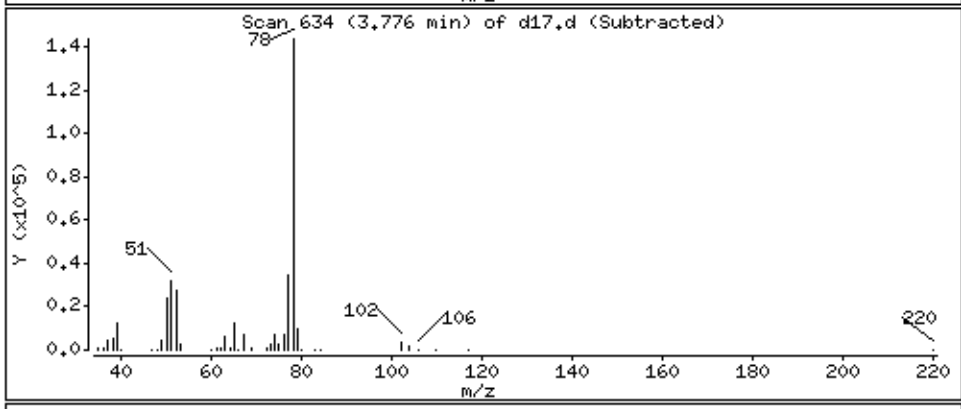
Column diameter: 0.18

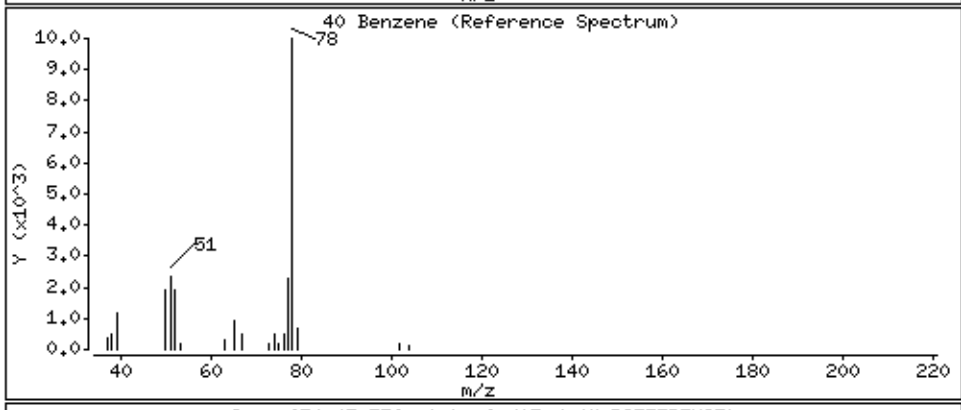
40 Benzene

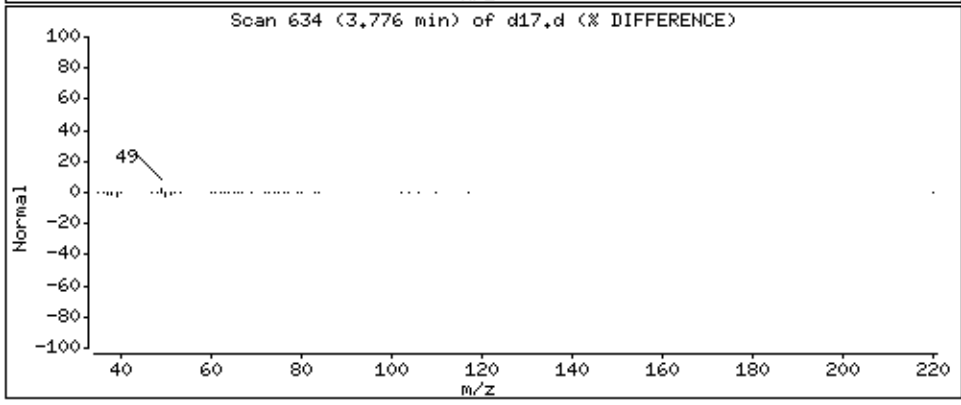
Concentration: 41.0 ppb

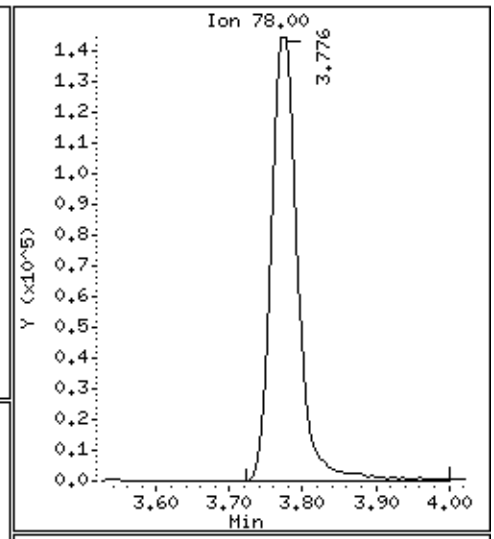
Review Code:

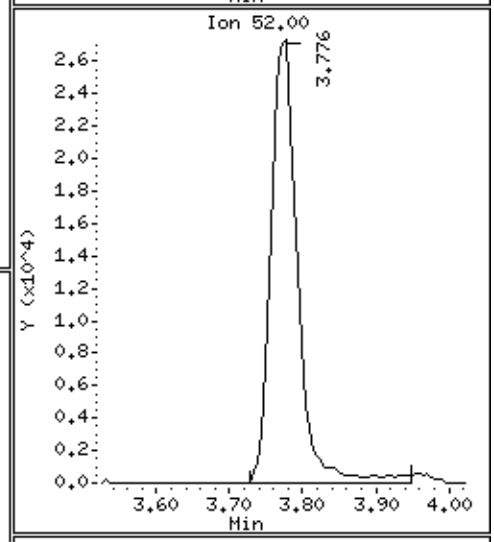


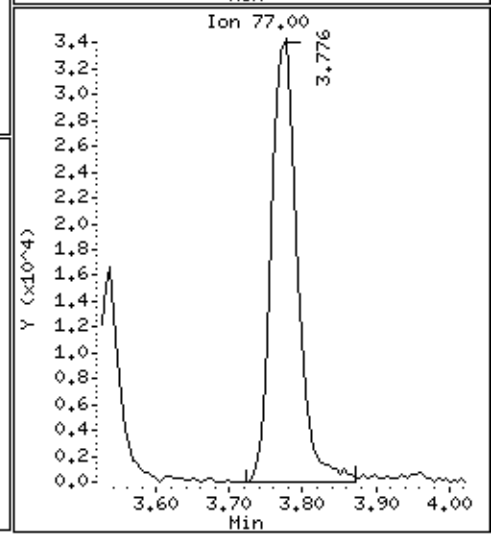












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

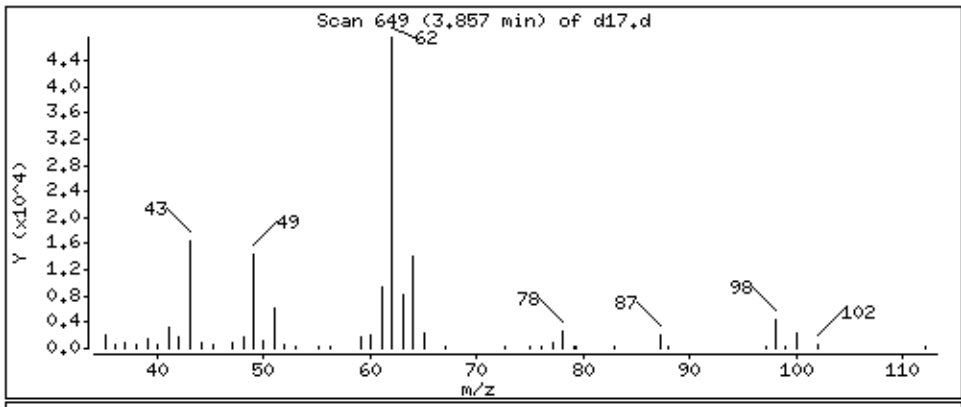
Column phase: DB-624

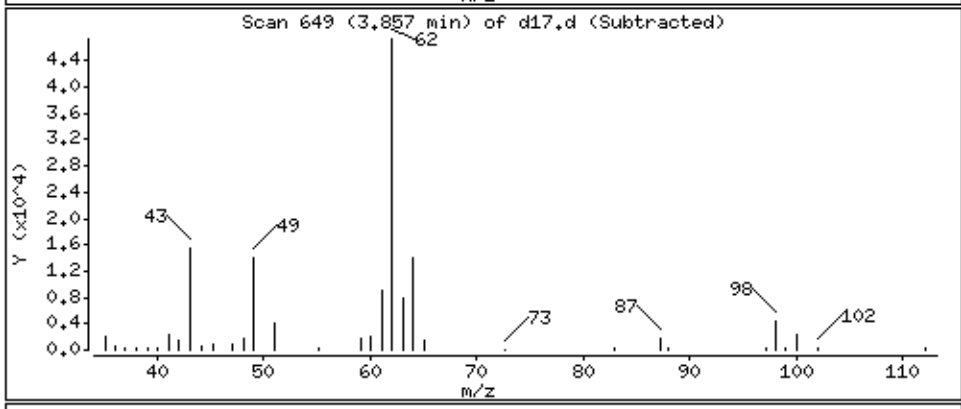
Column diameter: 0.18

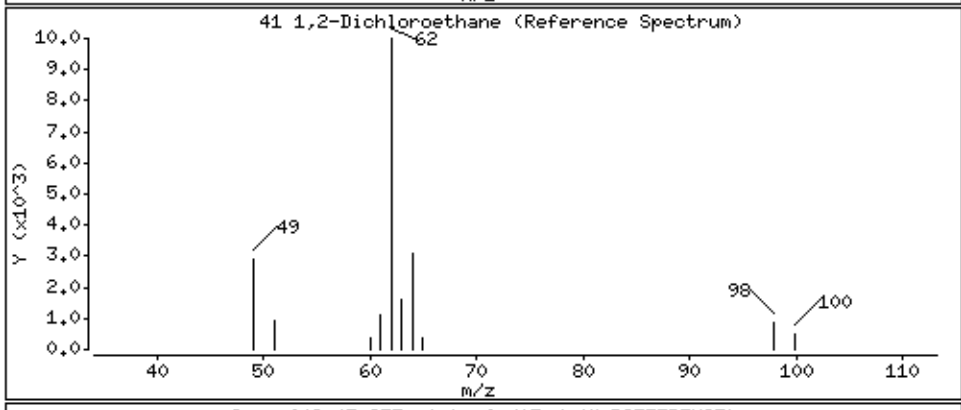
41 1,2-Dichloroethane

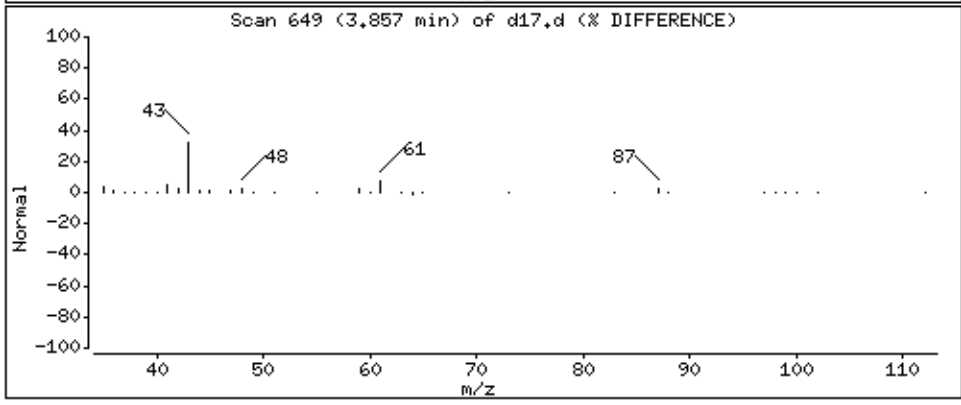
Concentration: 43.8 ppb

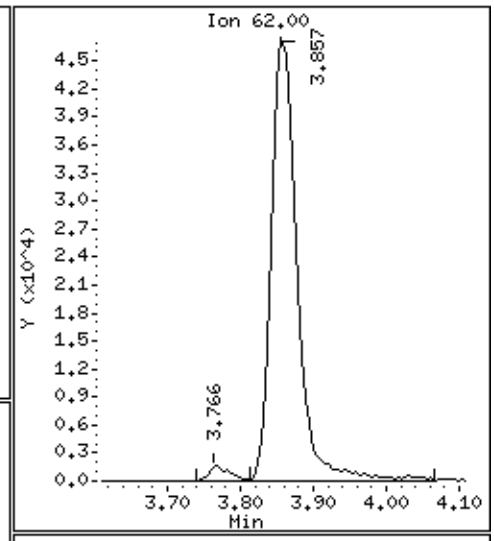
Review Code:

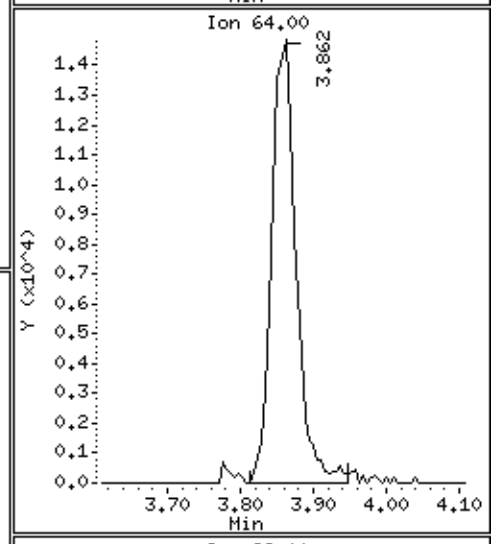


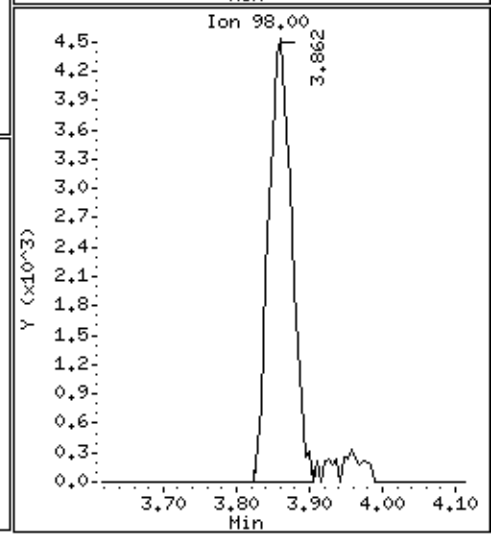












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

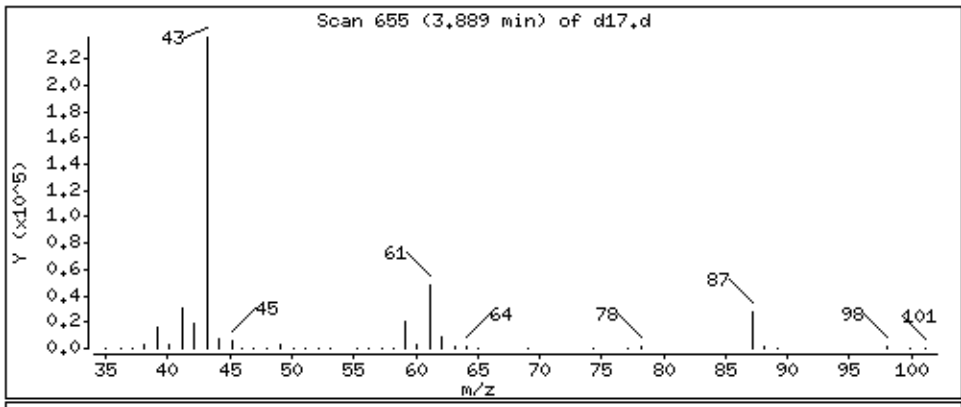
Column phase: DB-624

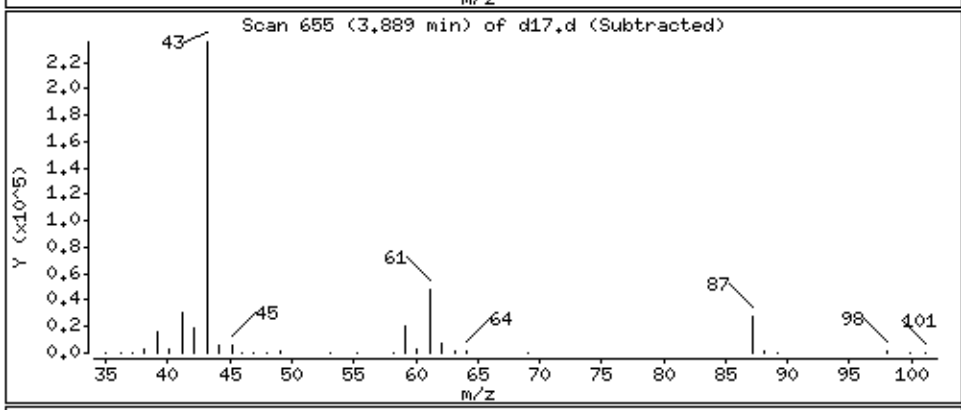
Column diameter: 0.18

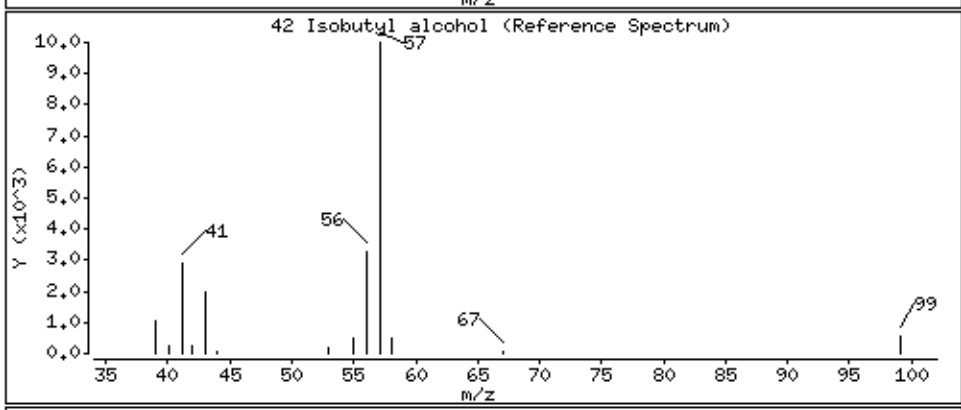
42 Isobutyl alcohol

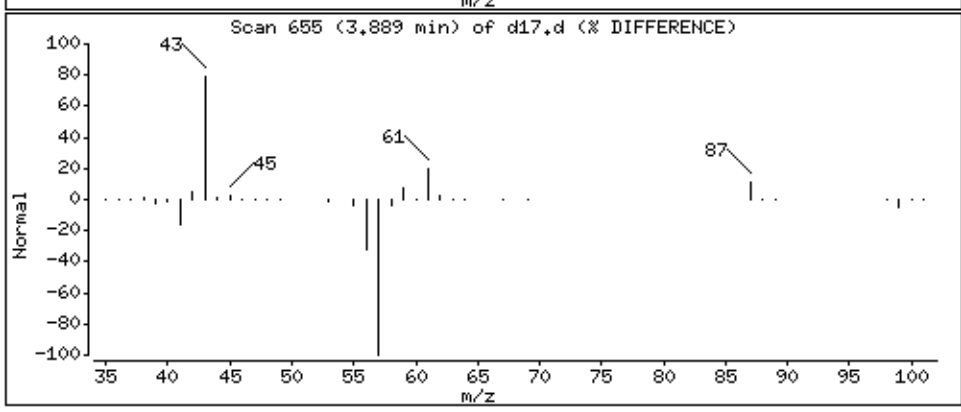
Concentration: 50.2 ppb

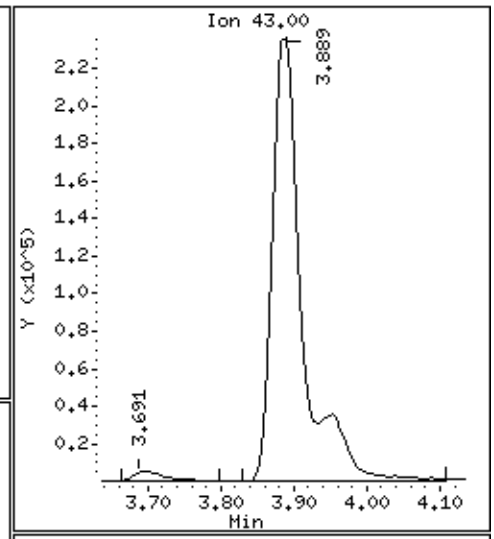
Review Code:

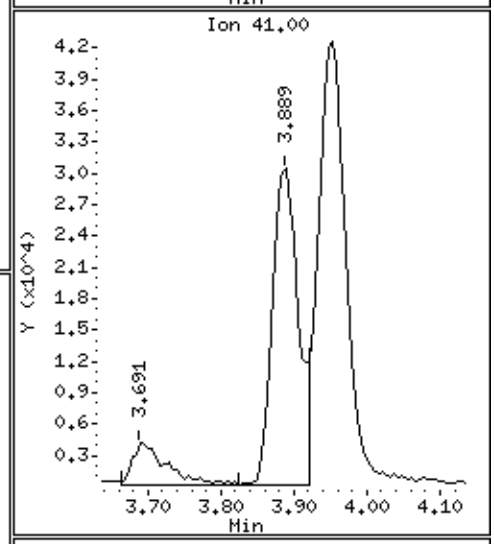


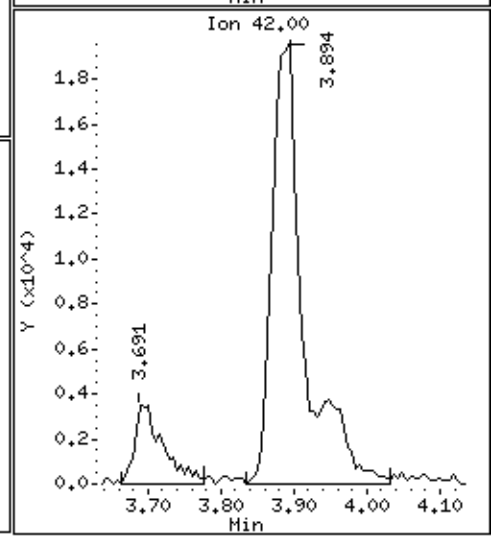












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

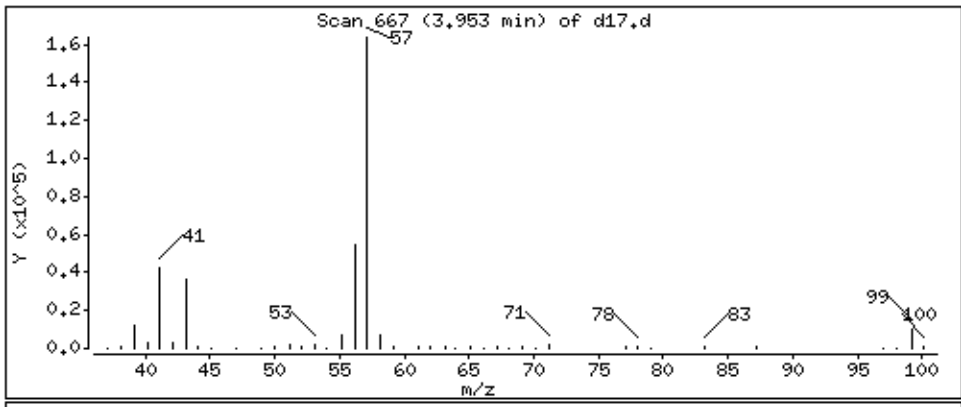
Column phase: DB-624

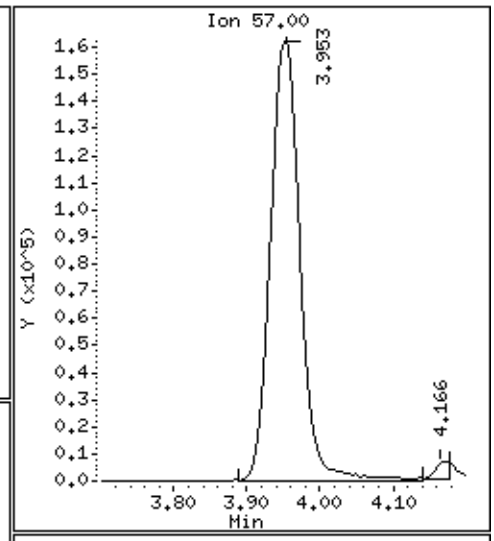
Column diameter: 0.18

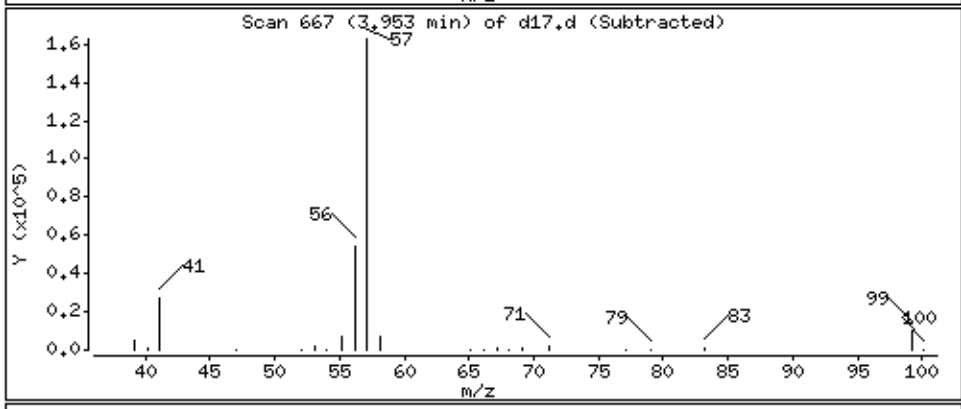
43 2,2,4-Trimethylpentane

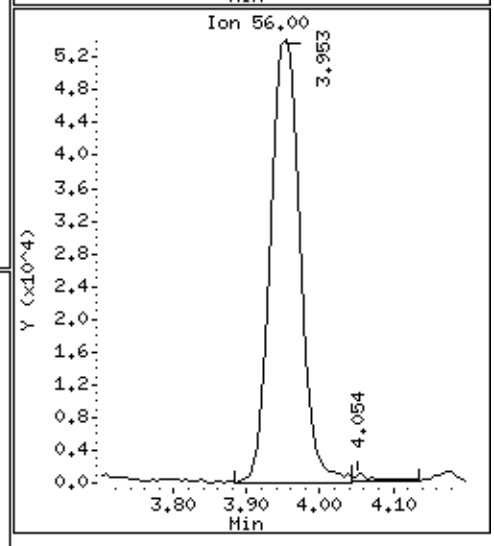
Concentration: 43.0 ppb

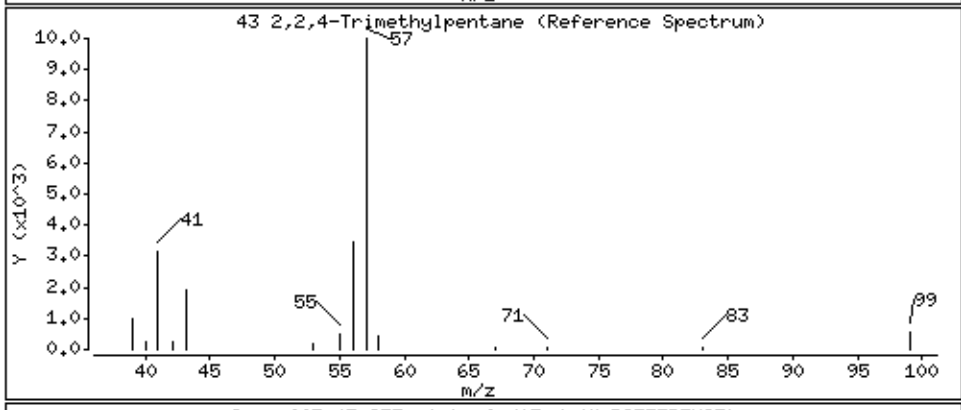
Review Code:

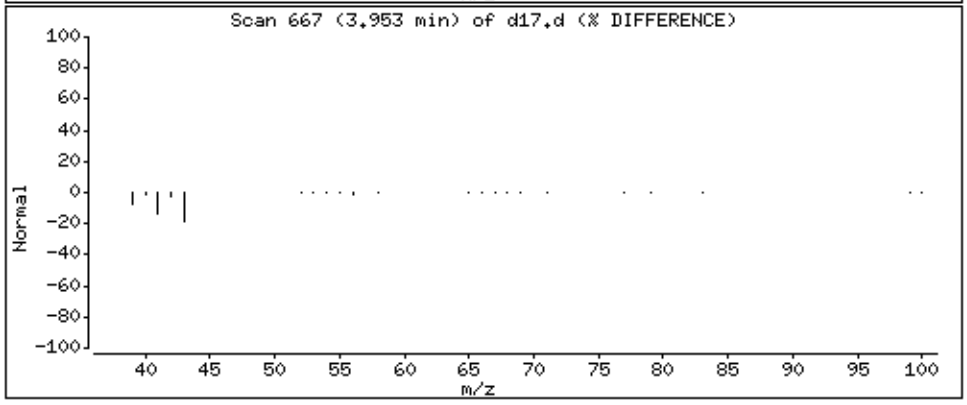












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

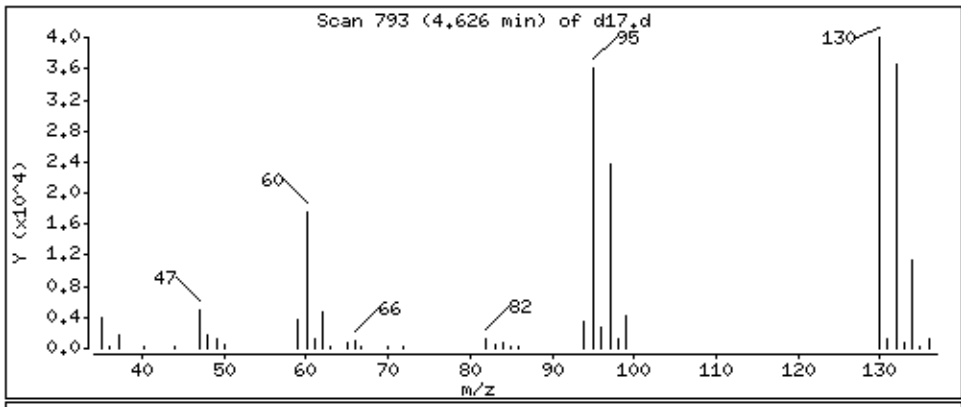
Column phase: DB-624

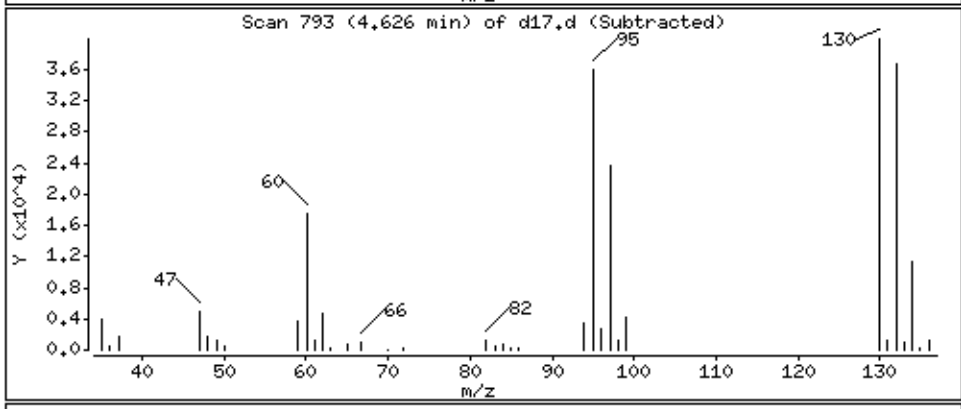
Column diameter: 0.18

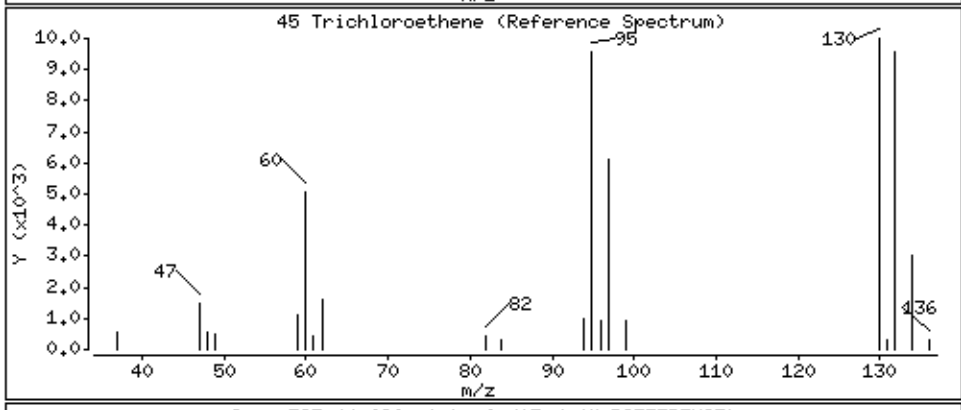
45 Trichloroethene

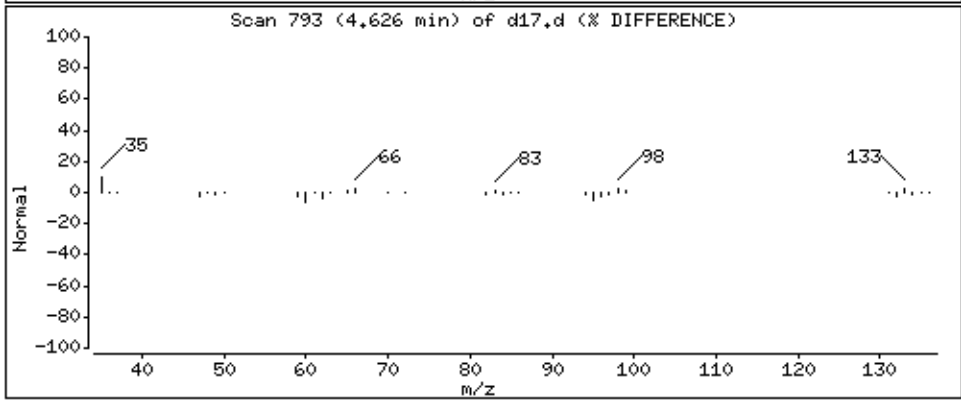
Concentration: 37.0 ppb

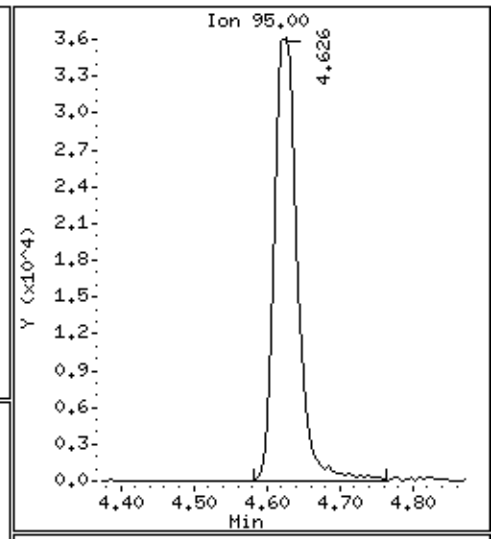
Review Code:

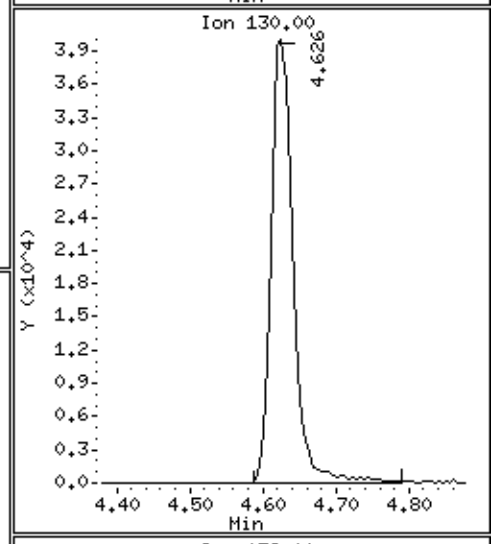


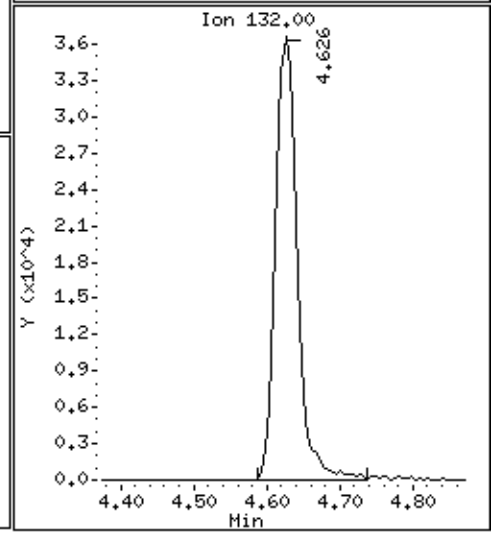












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

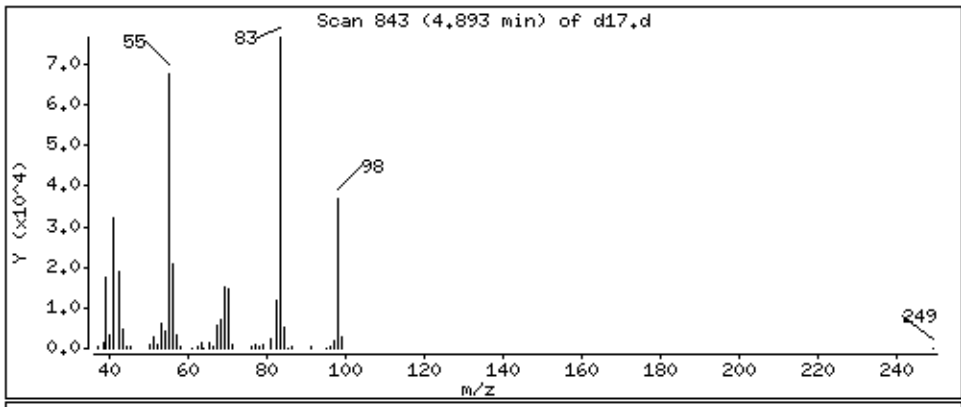
Column phase: DB-624

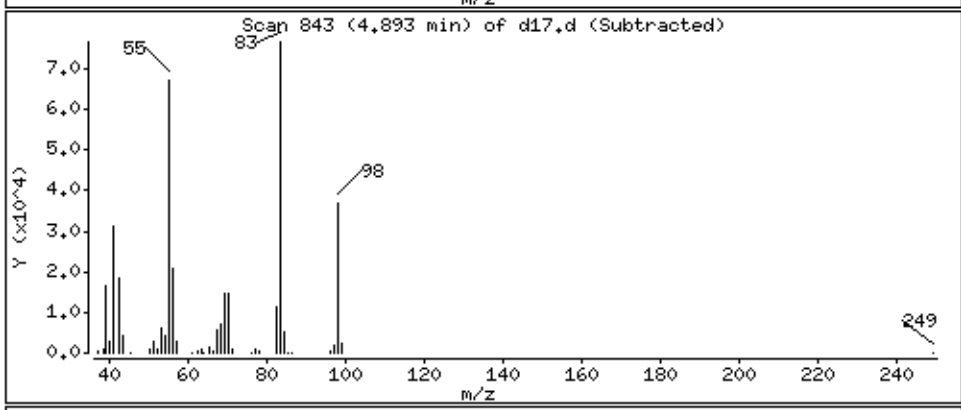
Column diameter: 0.18

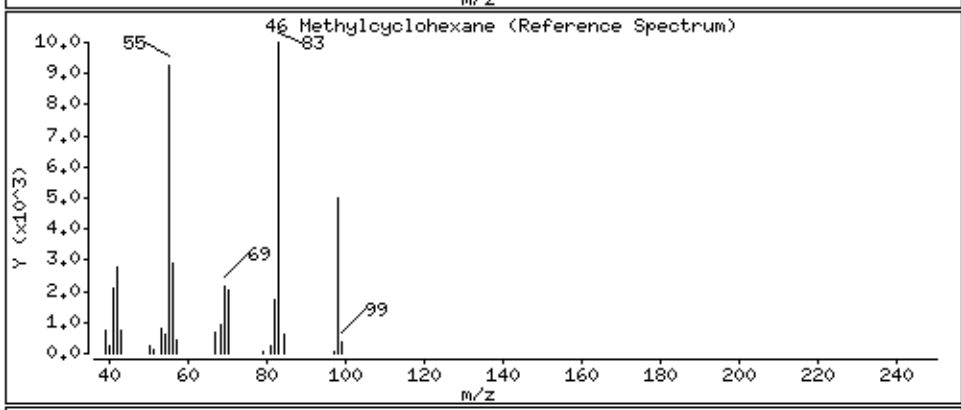
46 Methylcyclohexane

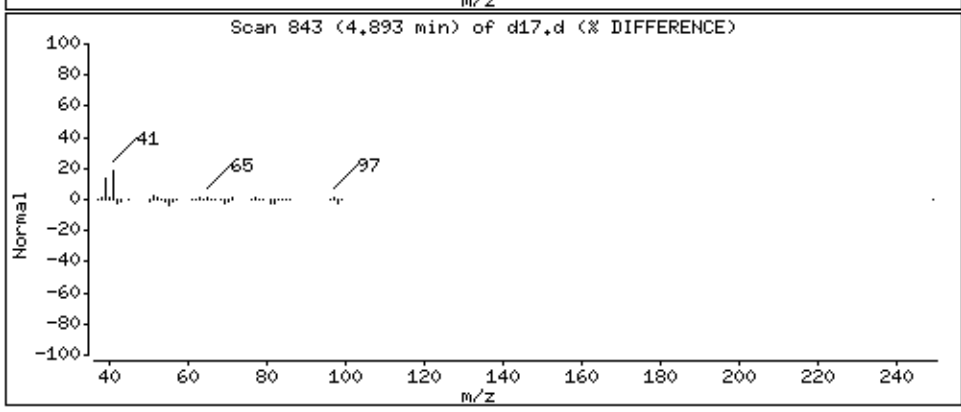
Concentration: 41.1 ppb

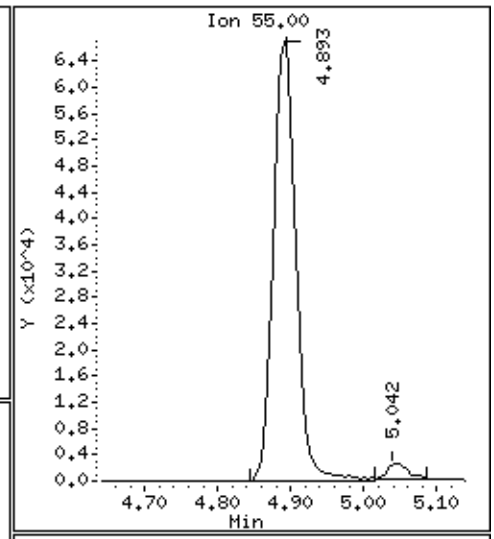
Review Code:

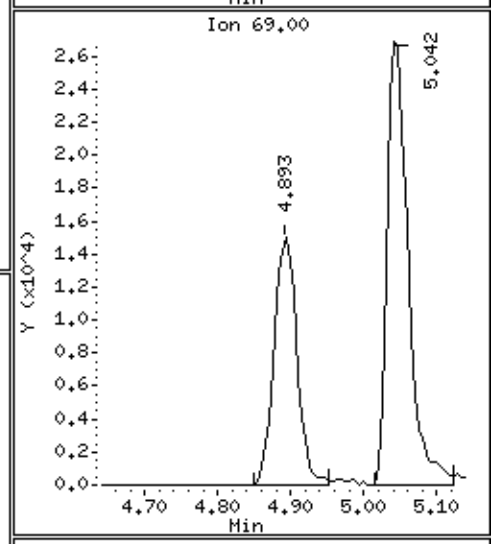


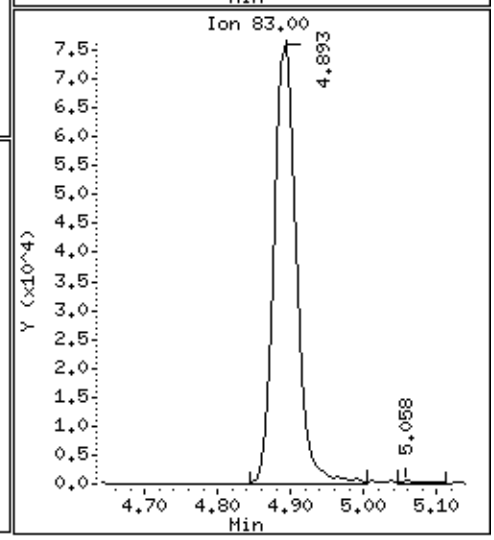












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

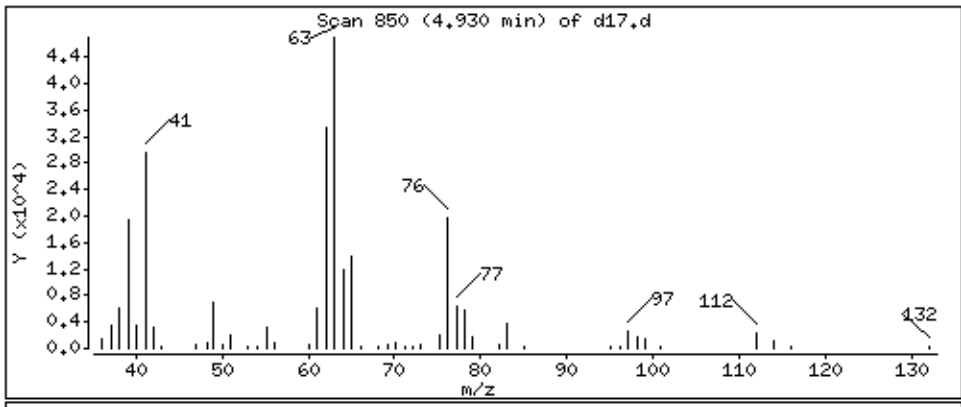
Column phase: DB-624

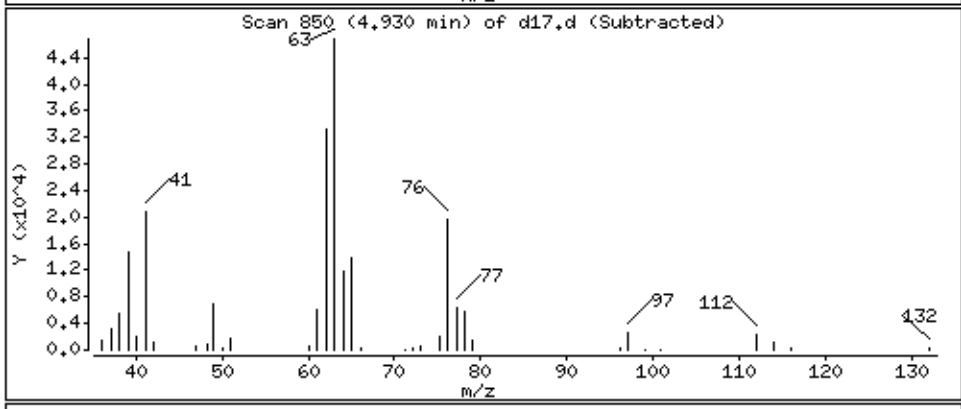
Column diameter: 0.18

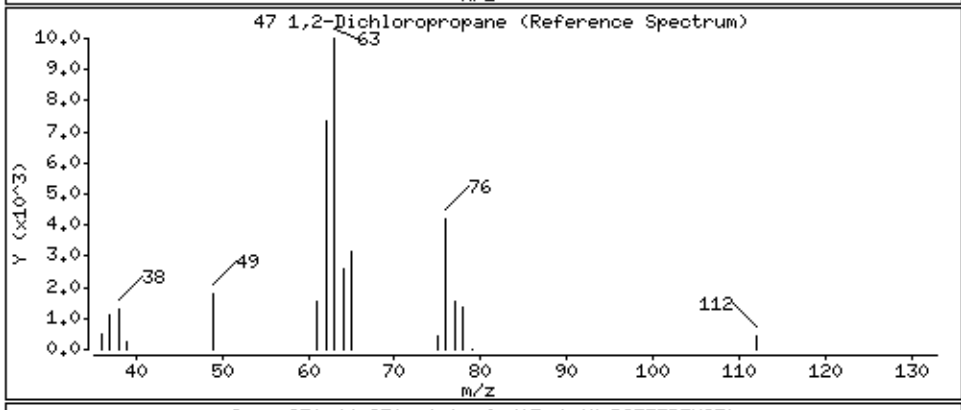
47 1,2-Dichloropropane

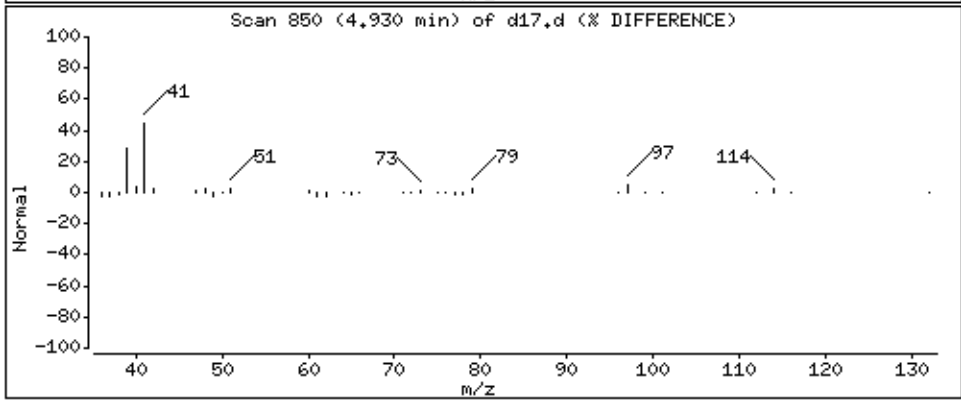
Concentration: 47.5 ppb

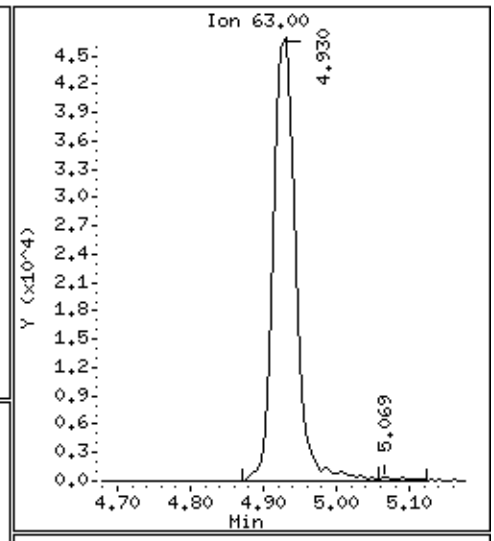
Review Code:

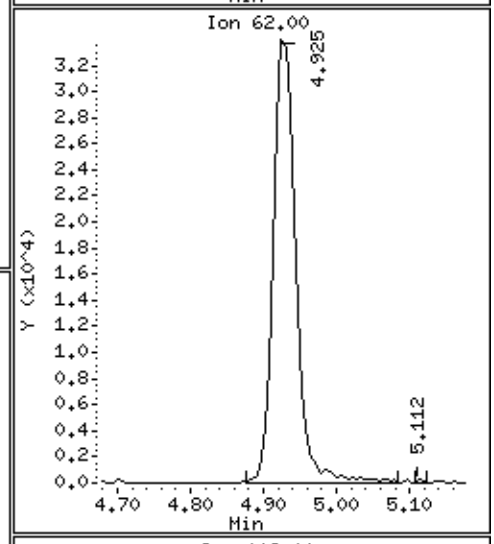


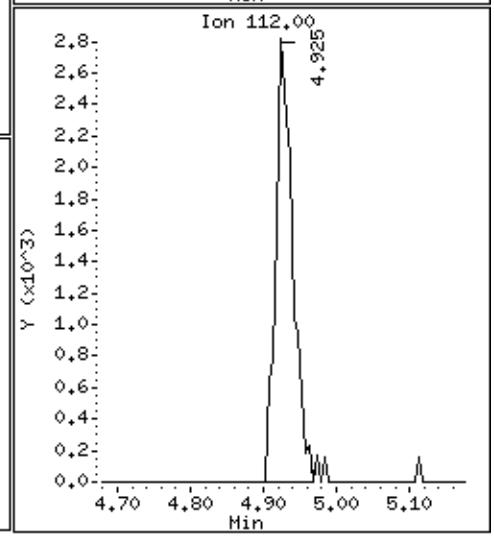












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

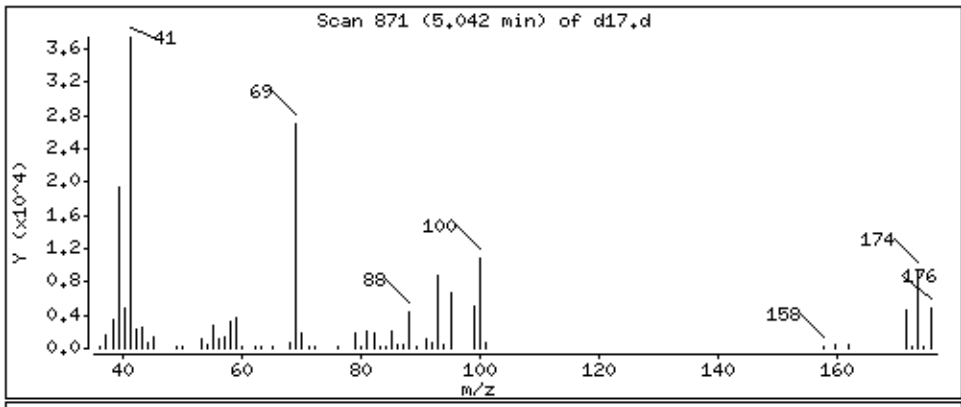
Column phase: DB-624

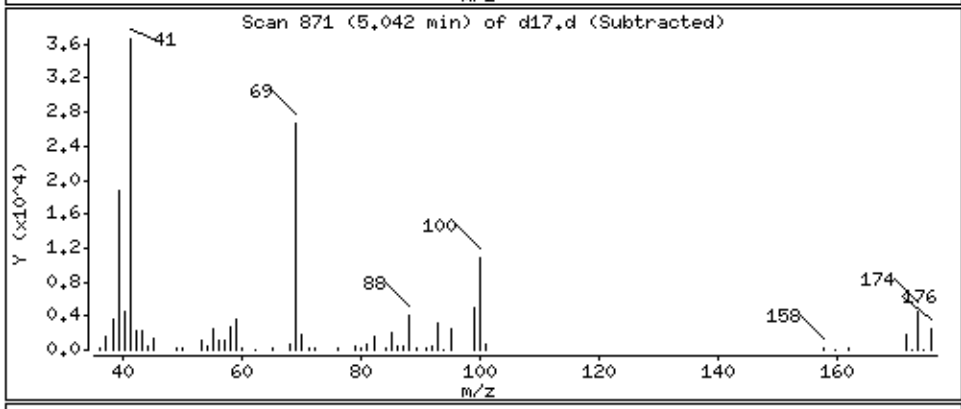
Column diameter: 0.18

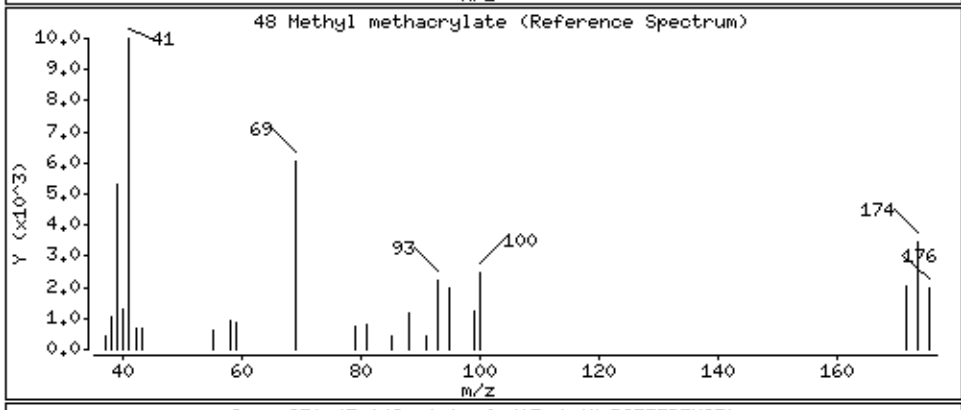
48 Methyl methacrylate

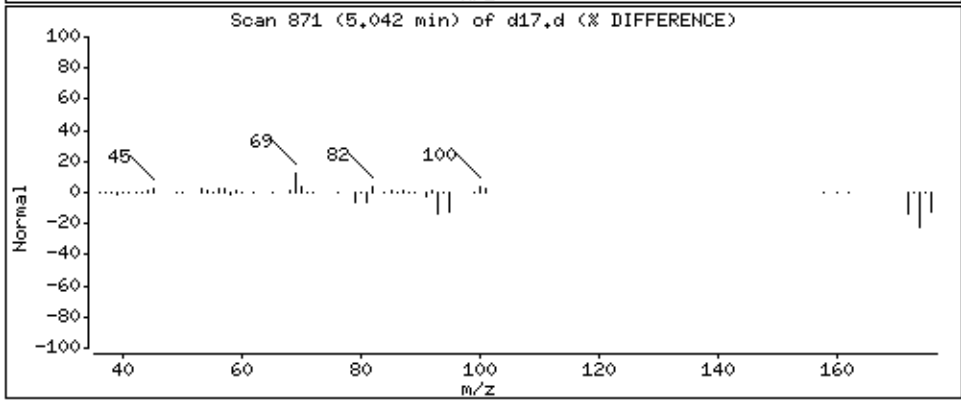
Concentration: 63.0 ppb

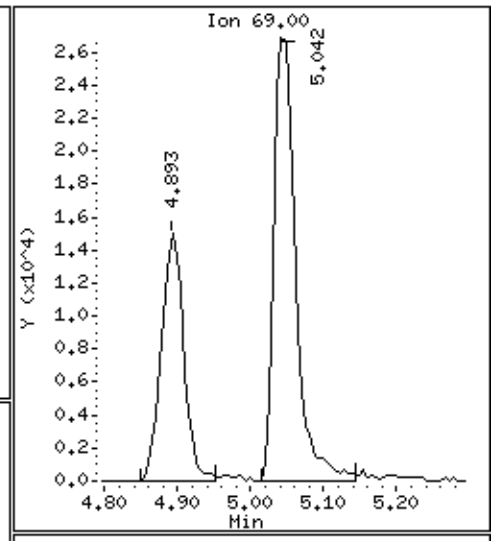
Review Code:

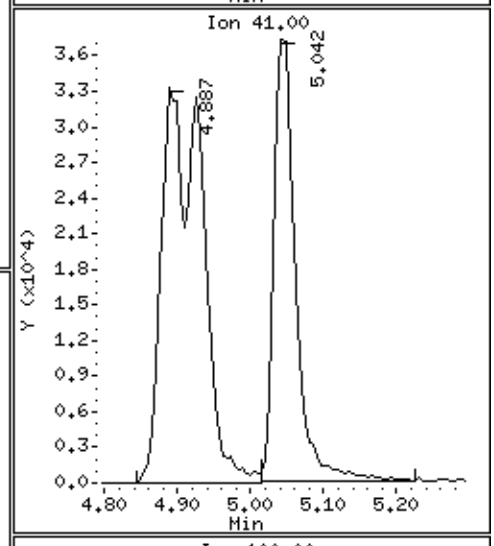


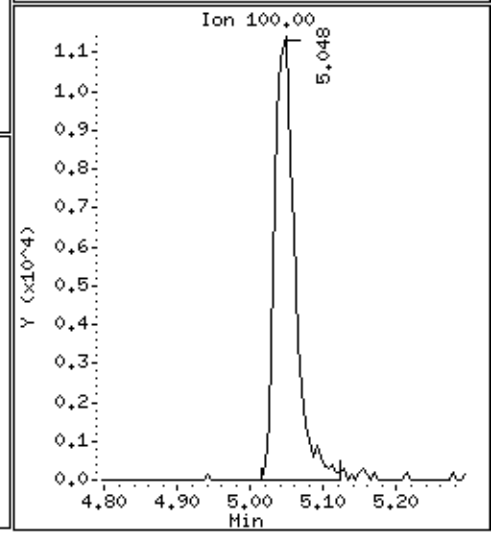












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

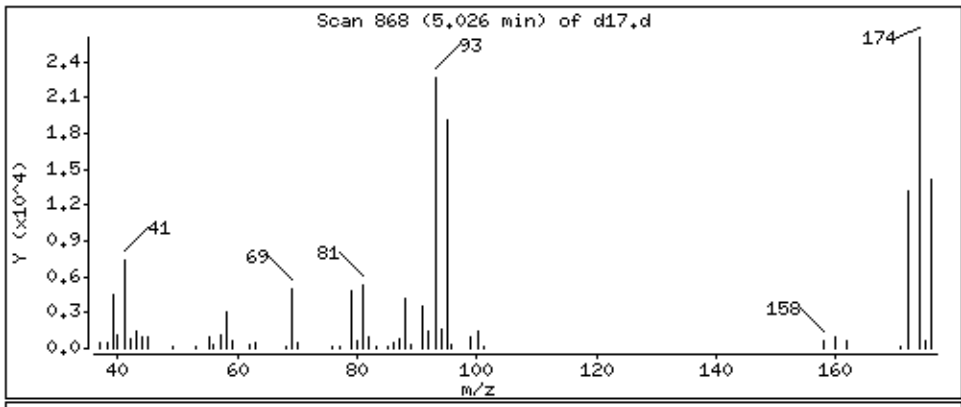
Column phase: DB-624

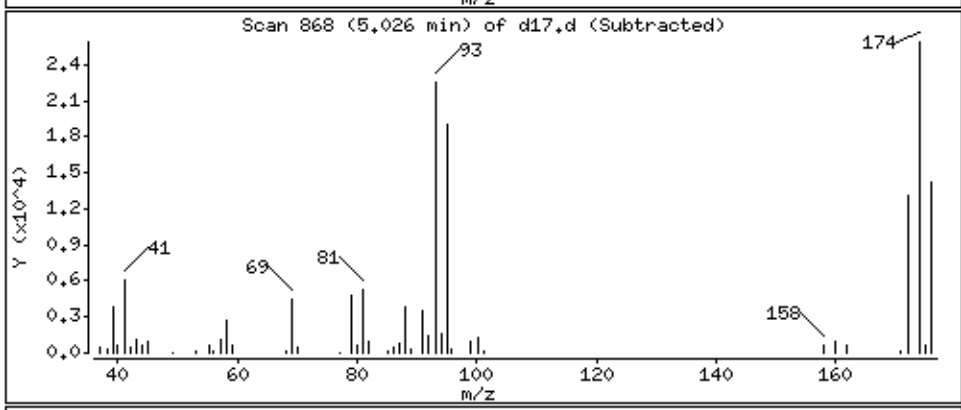
Column diameter: 0.18

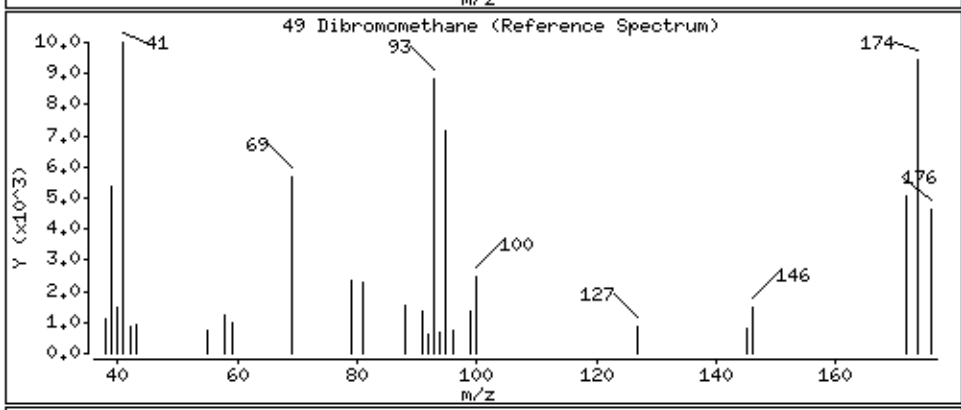
49 Dibromomethane

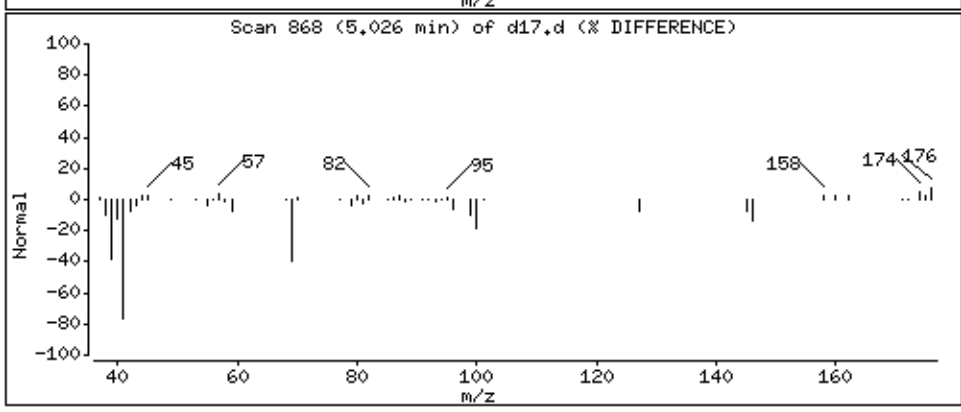
Concentration: 47.2 ppb

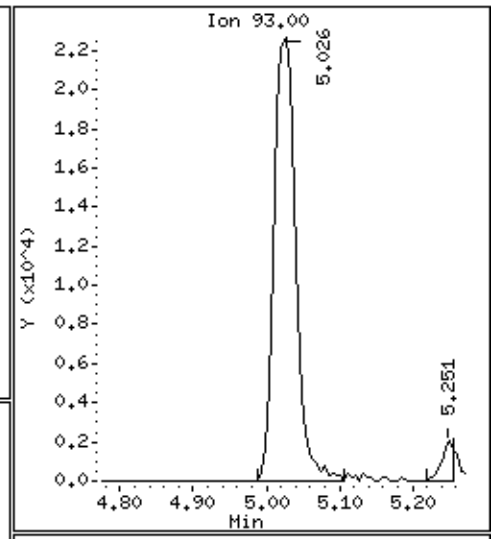
Review Code:

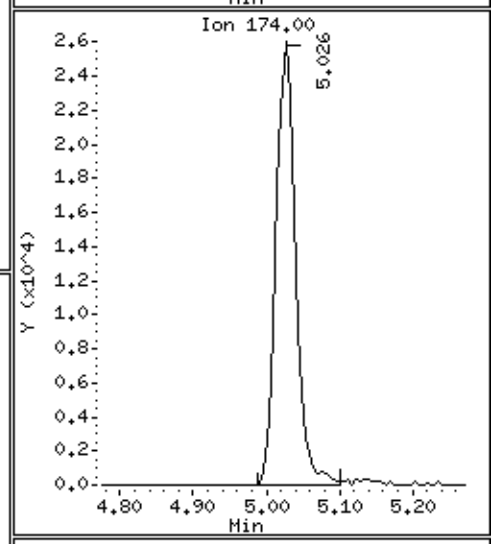


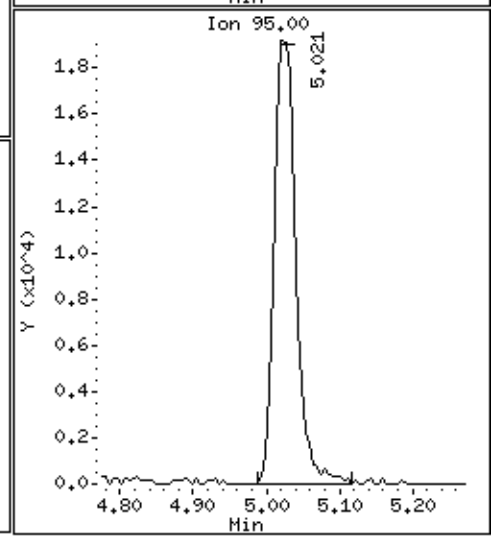












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

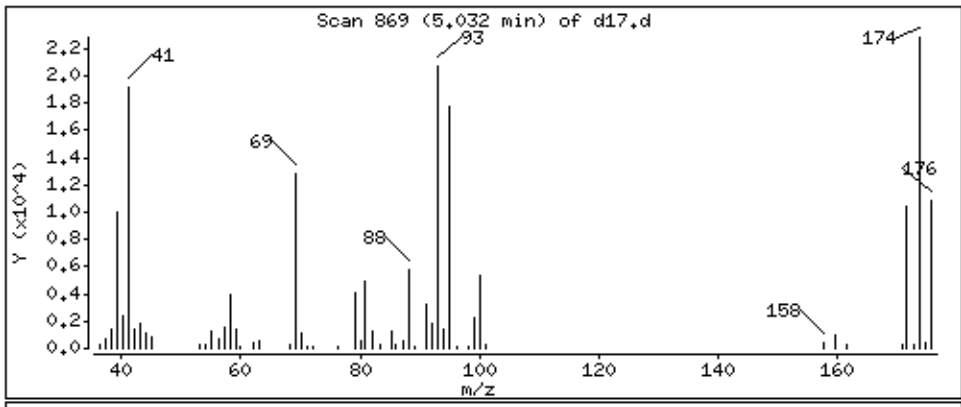
Column phase: DB-624

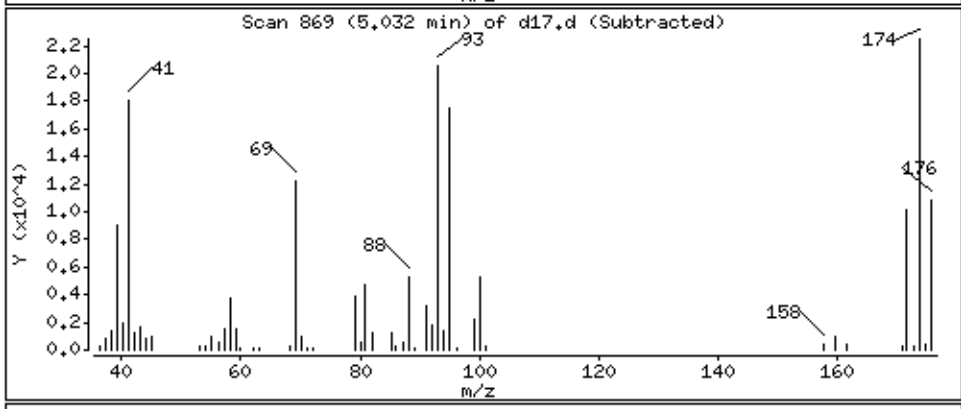
Column diameter: 0.18

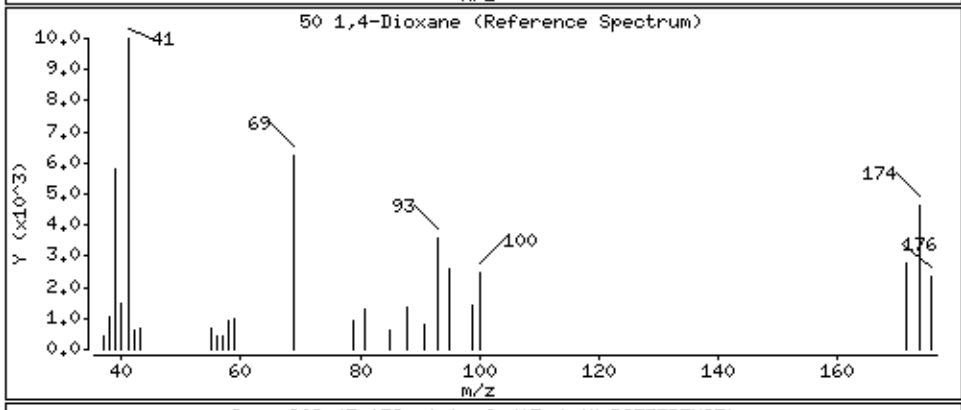
50 1,4-Dioxane

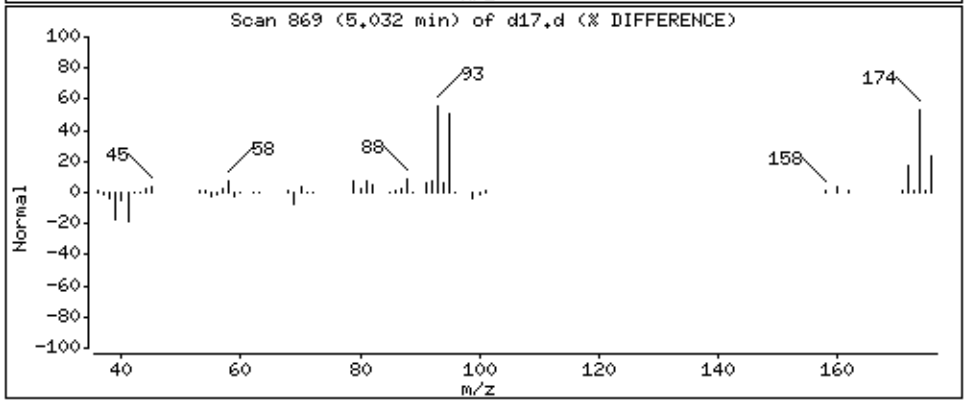
Concentration: 1110 ppb

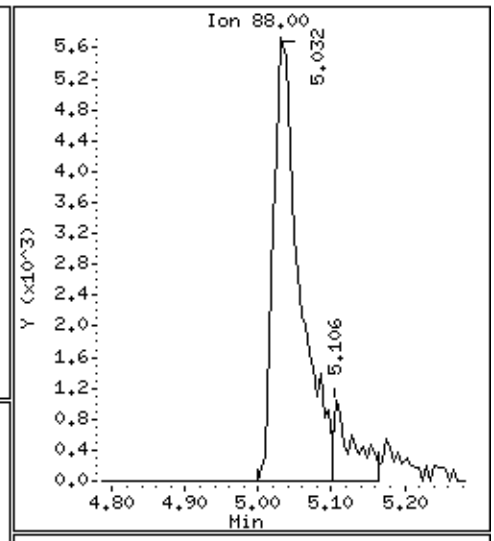
Review Code:

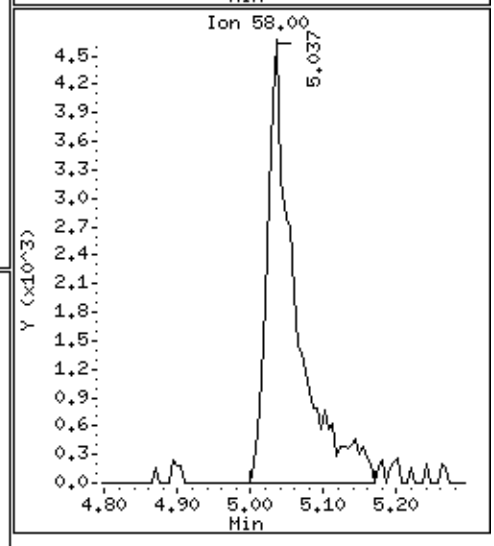












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

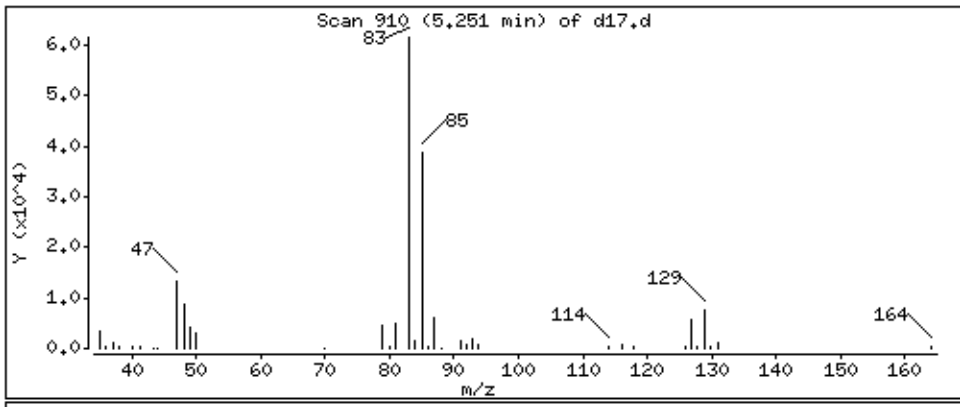
Column phase: DB-624

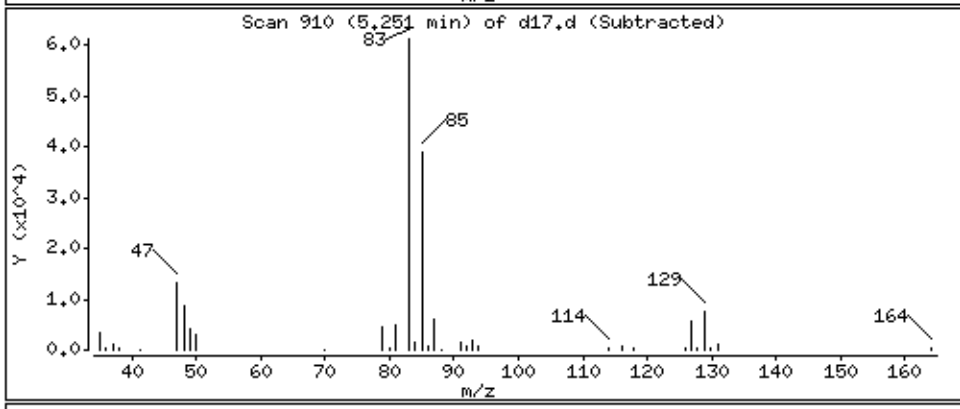
Column diameter: 0.18

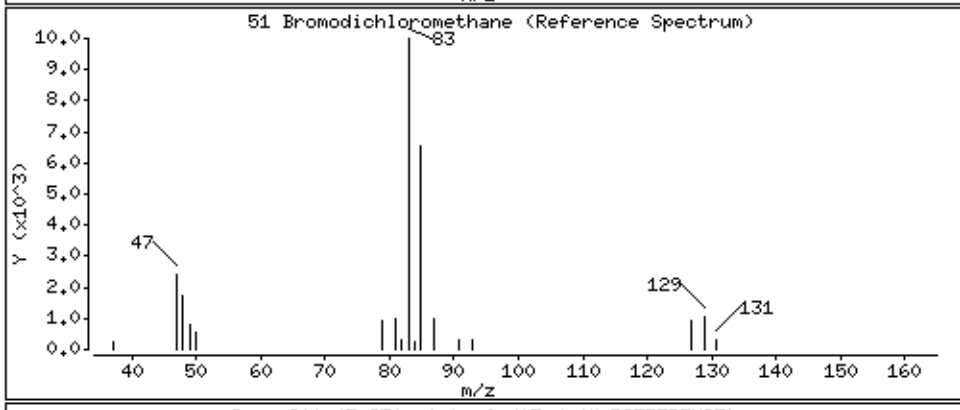
51 Bromodichloromethane

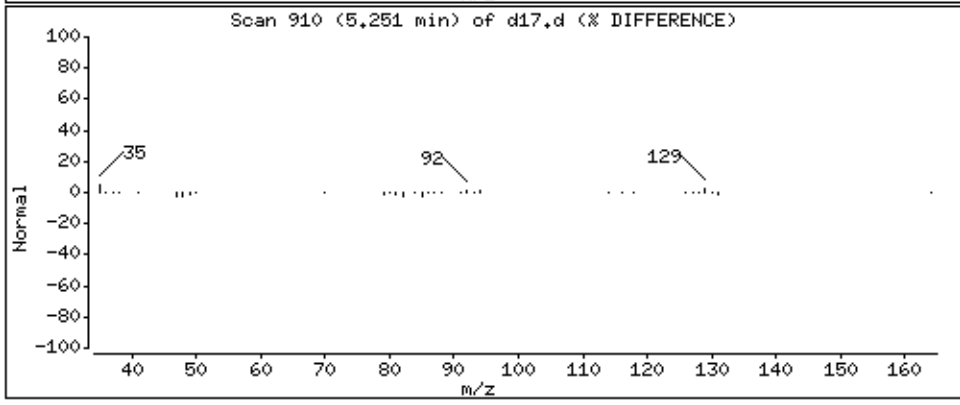
Concentration: 46.2 ppb

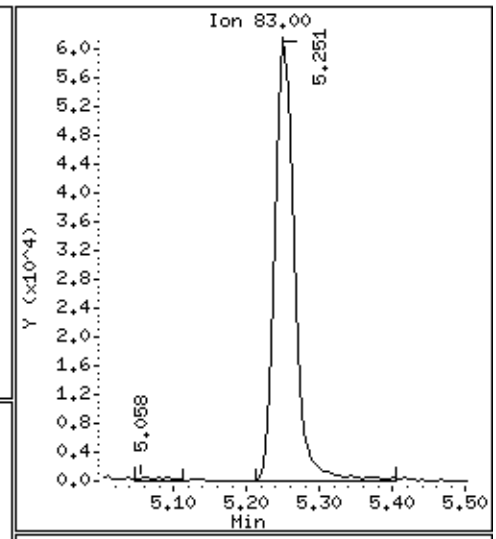
Review Code:

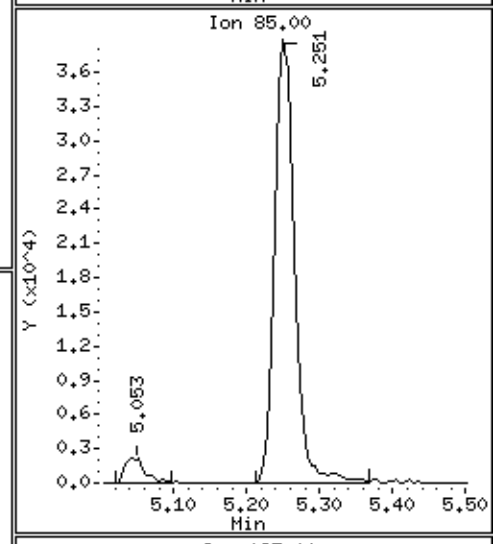


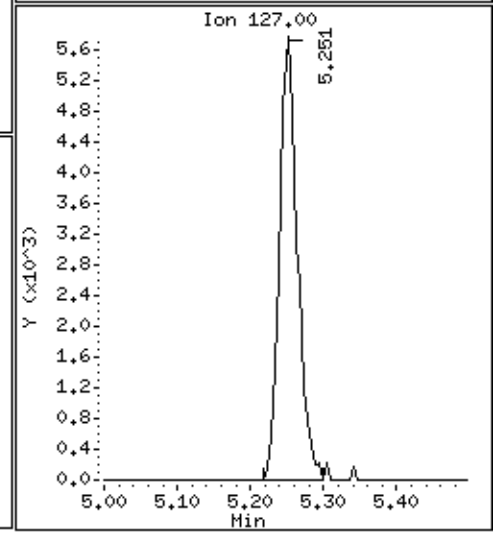












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

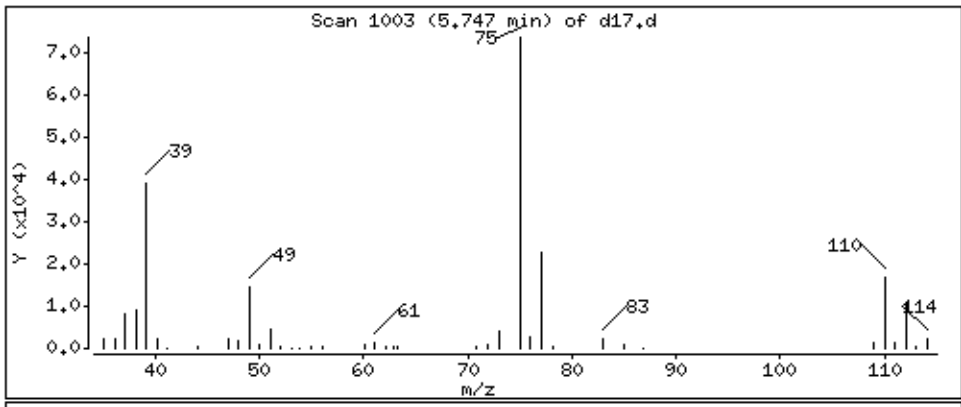
Column phase: DB-624

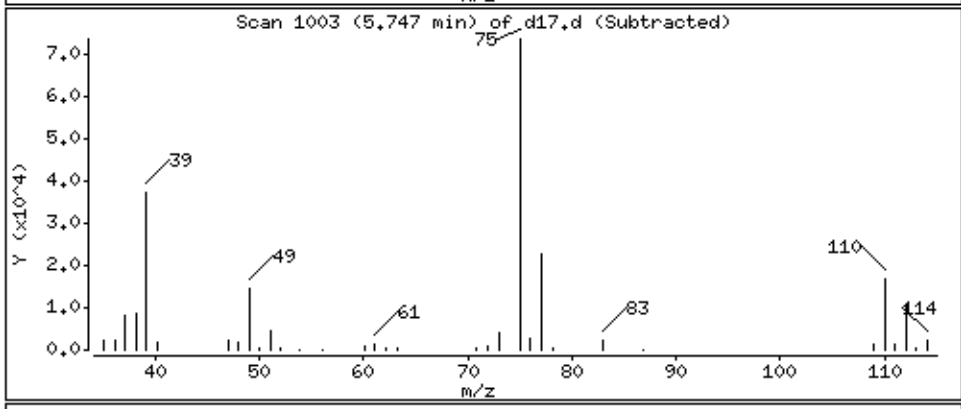
Column diameter: 0.18

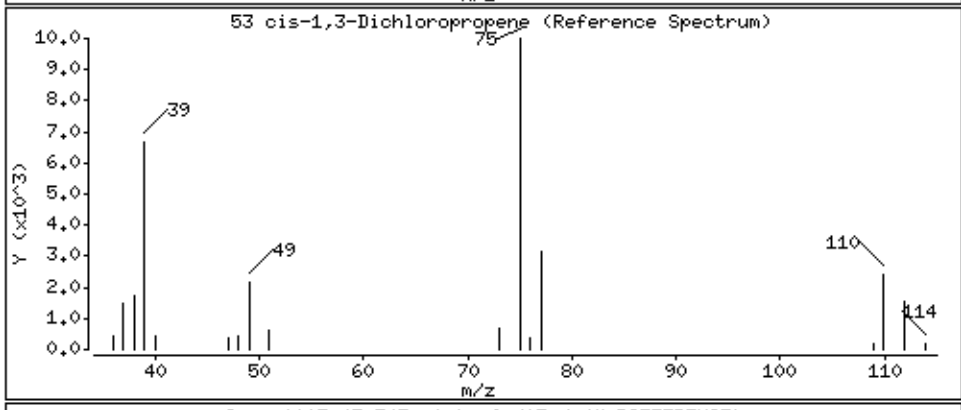
53 cis-1,3-Dichloropropene

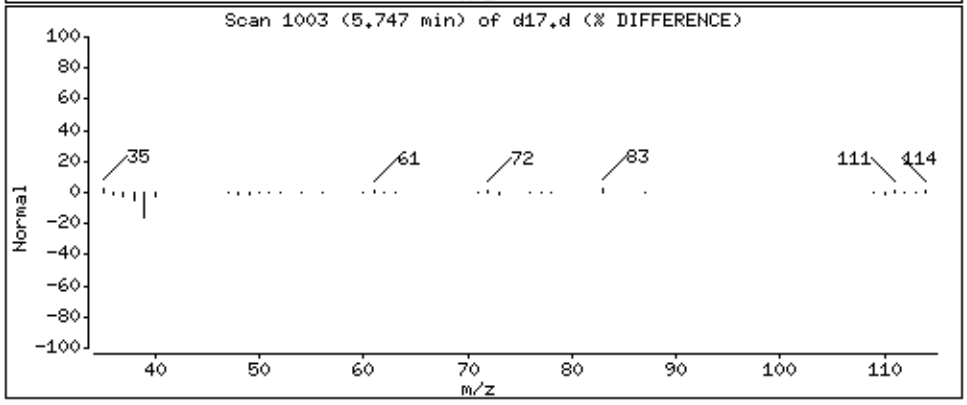
Concentration: 40.8 ppb

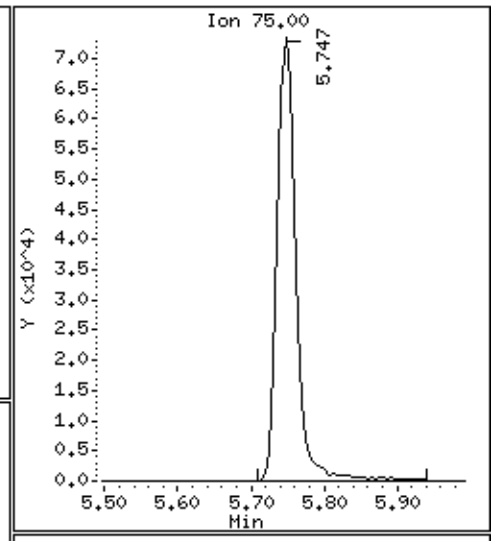
Review Code:

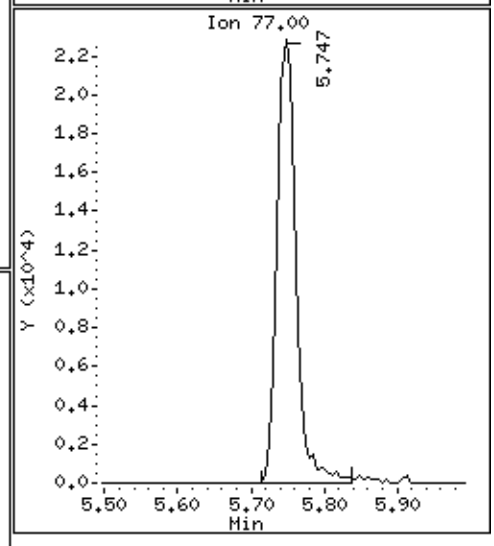












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

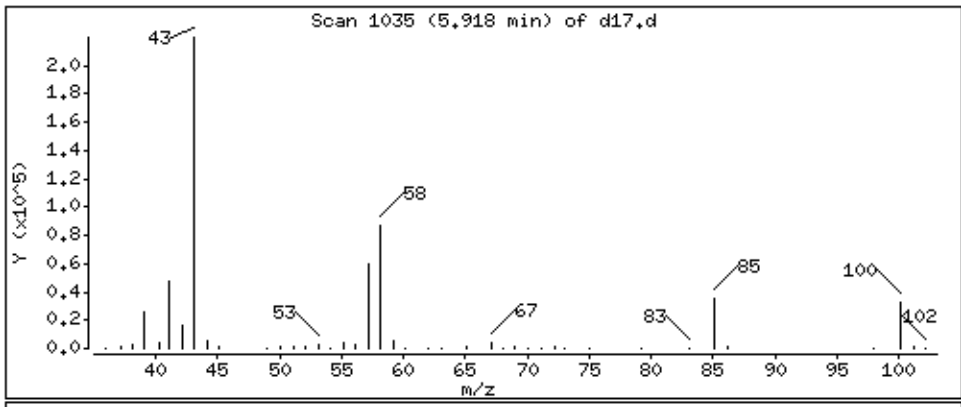
Column phase: DB-624

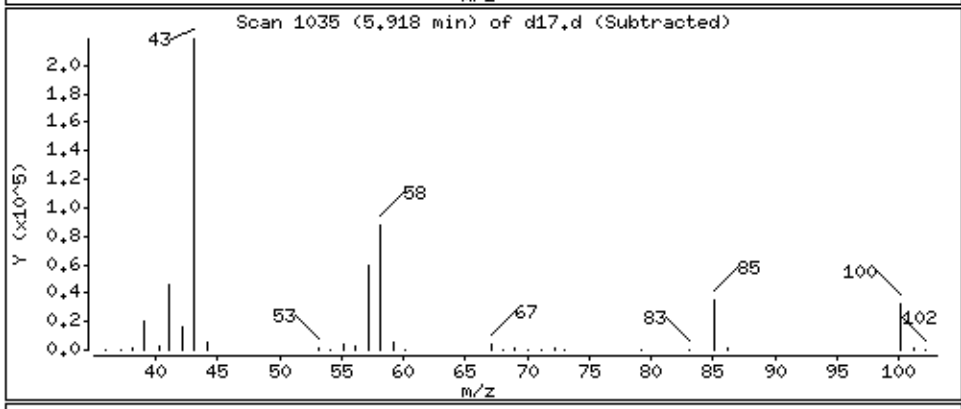
Column diameter: 0.18

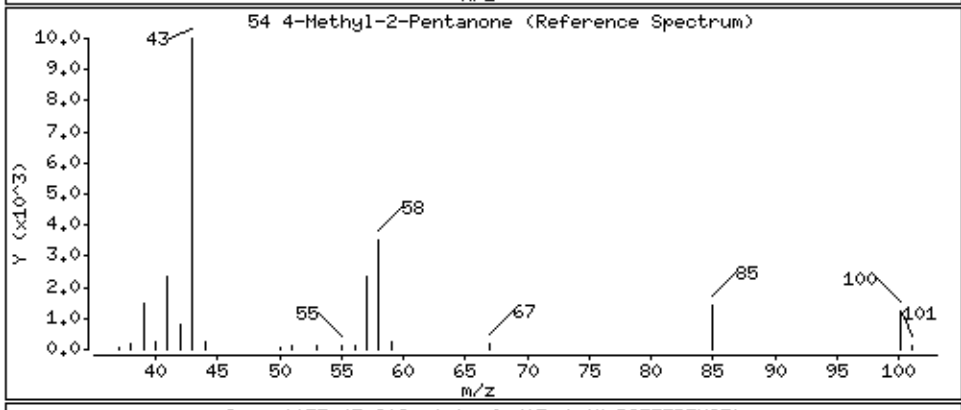
54 4-Methyl-2-Pentanone

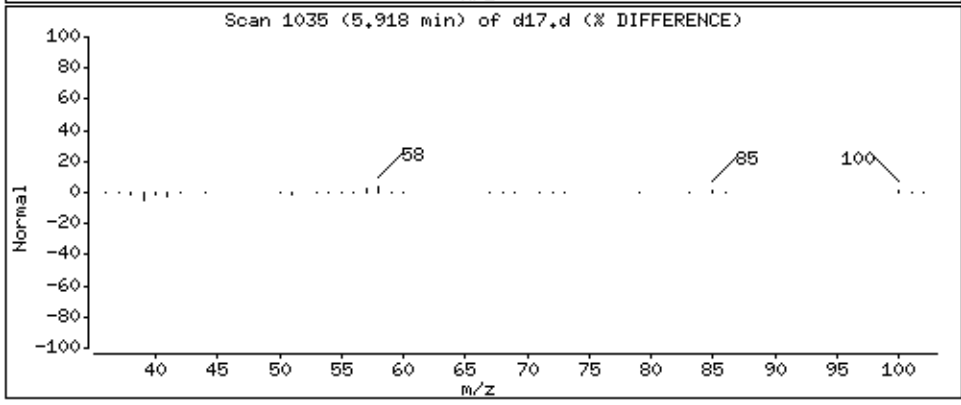
Concentration: 281 ppb

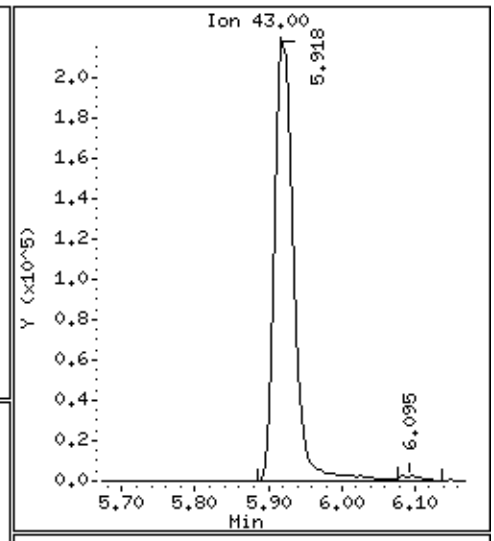
Review Code:

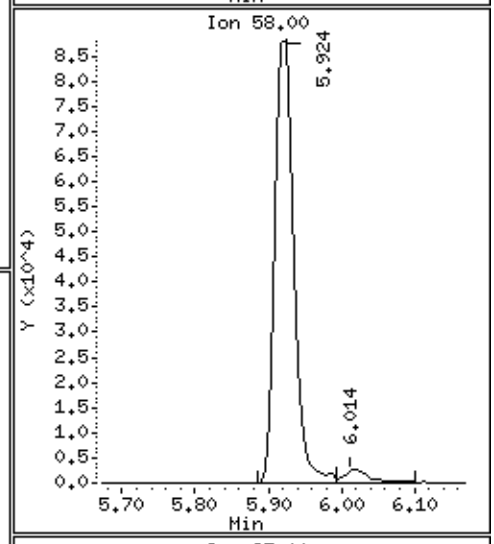


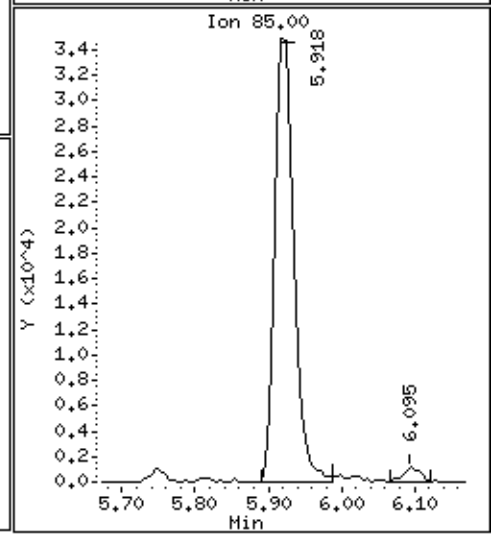












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

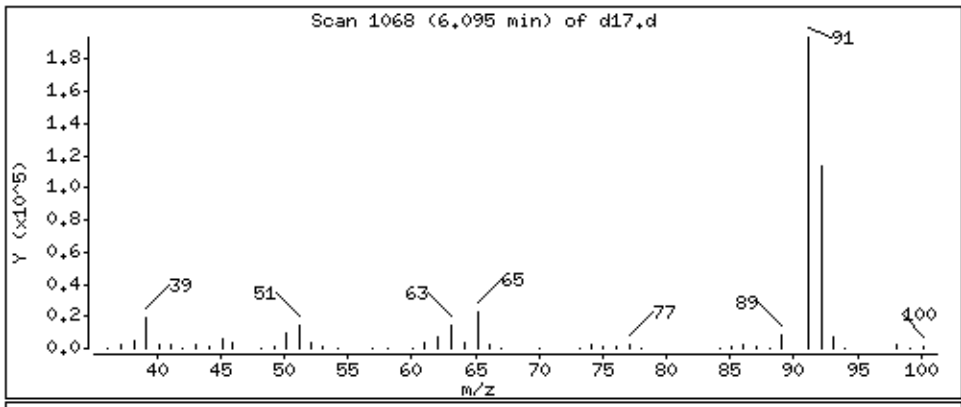
Column phase: DB-624

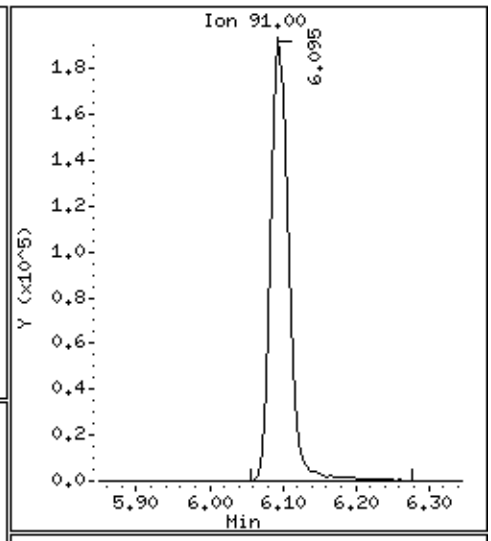
Column diameter: 0.18

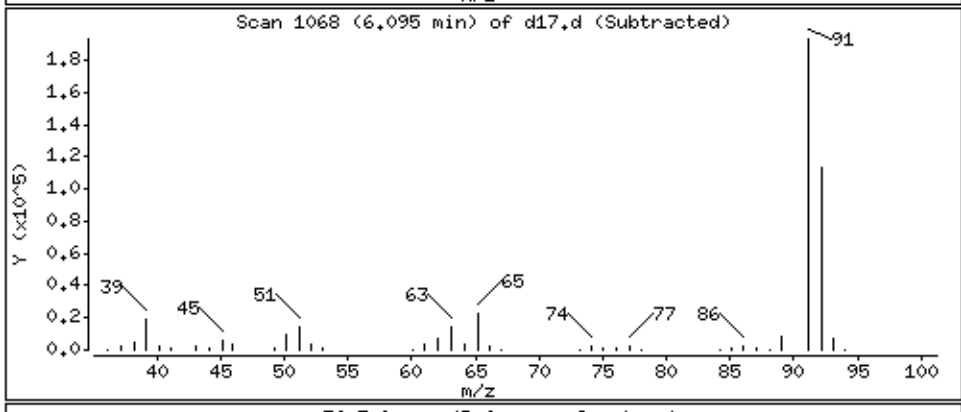
56 Toluene

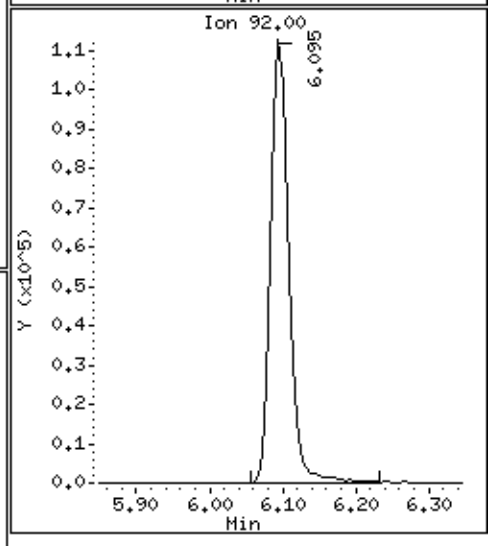
Concentration: 29.7 ppb

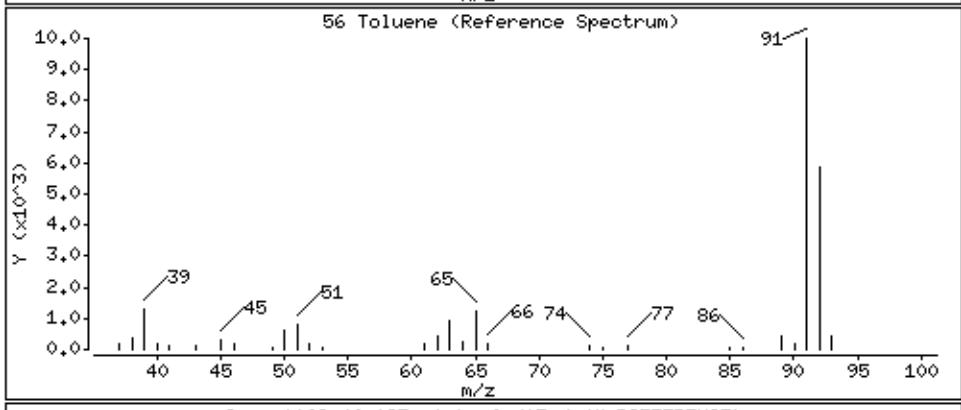
Review Code:

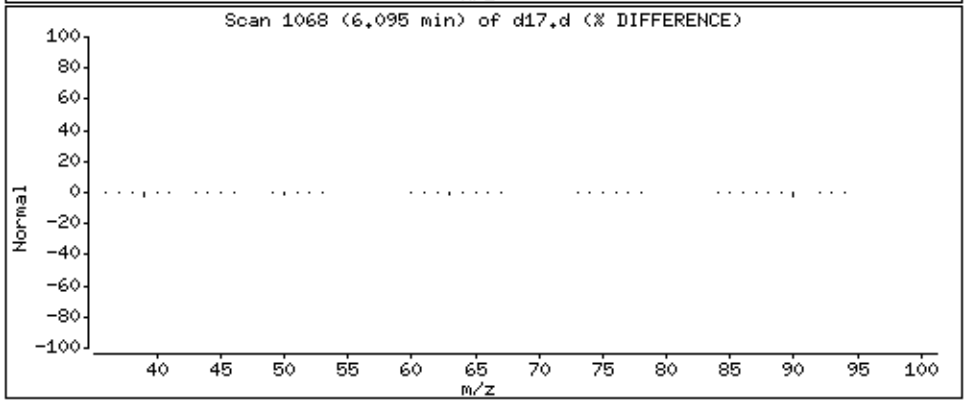












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

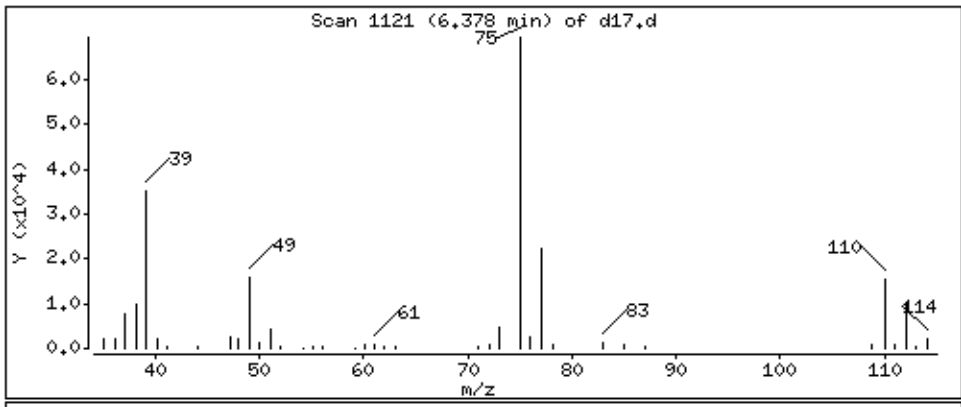
Column phase: DB-624

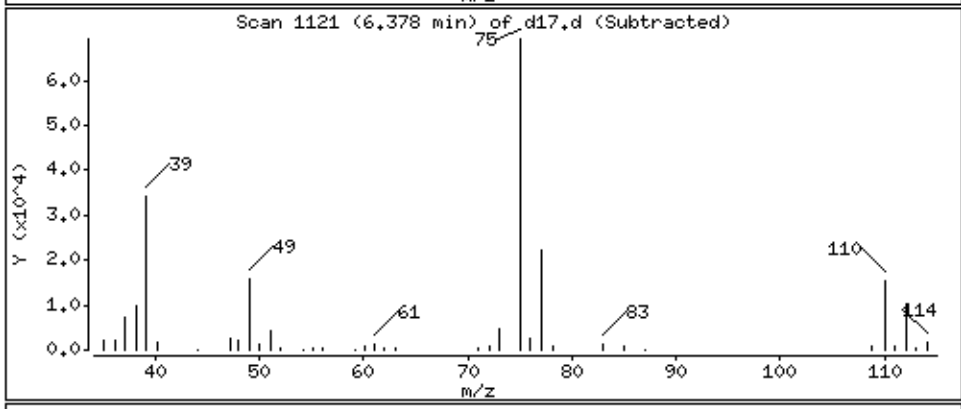
Column diameter: 0.18

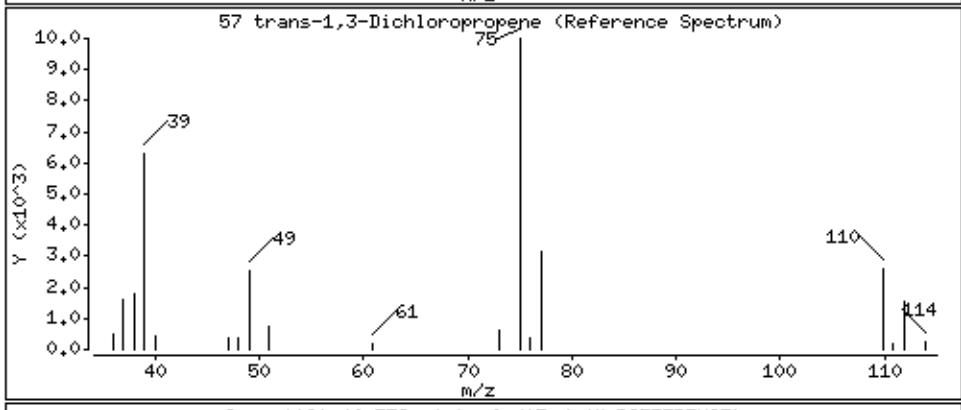
57 trans-1,3-Dichloropropene

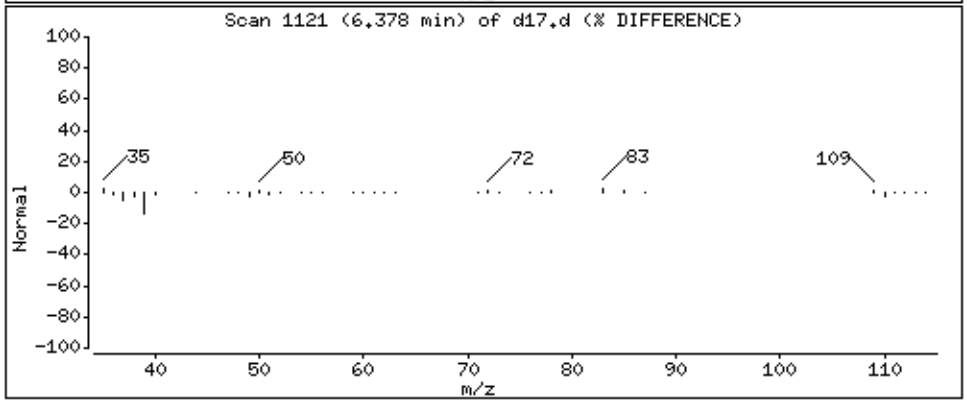
Concentration: 43.4 ppb

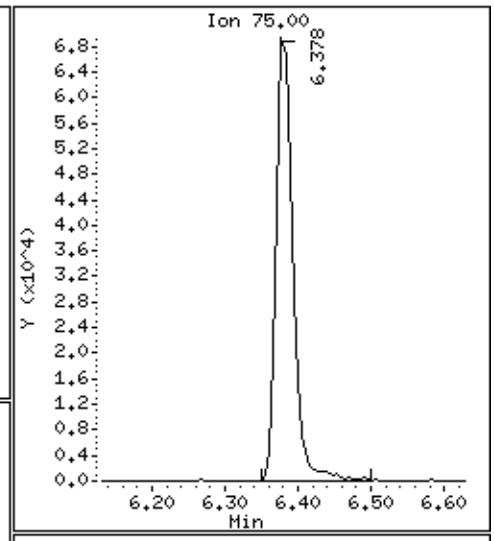
Review Code:

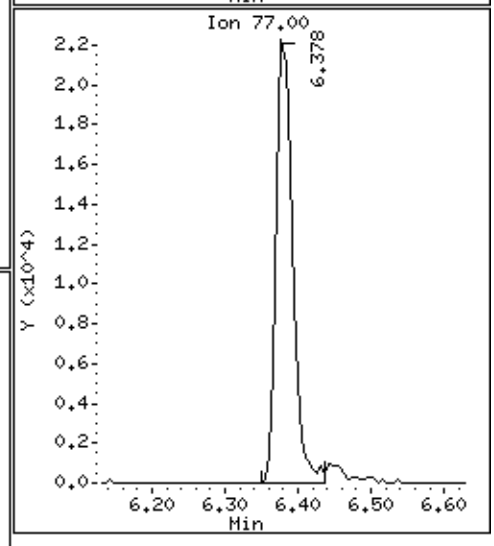












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

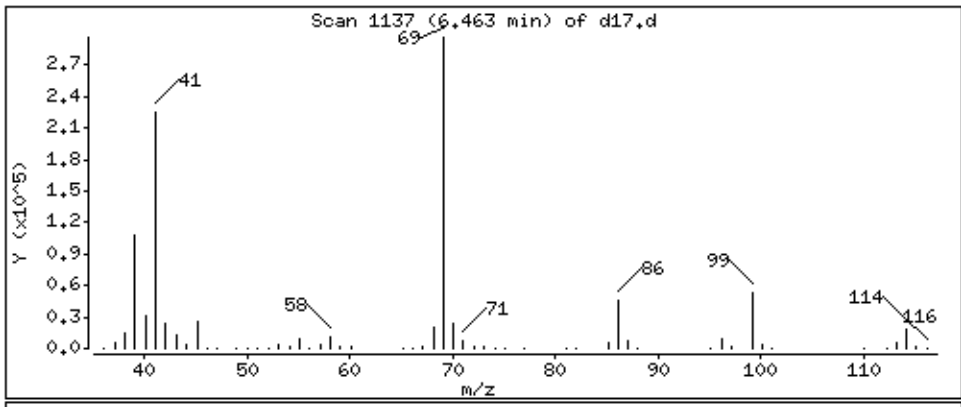
Column phase: DB-624

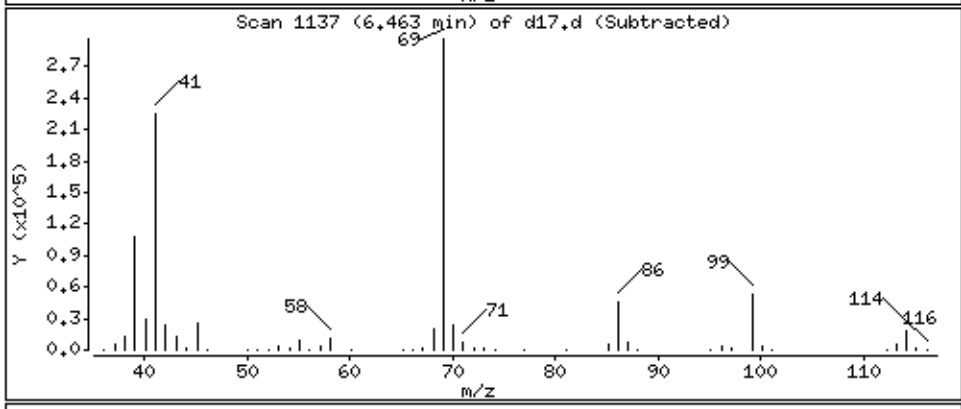
Column diameter: 0.18

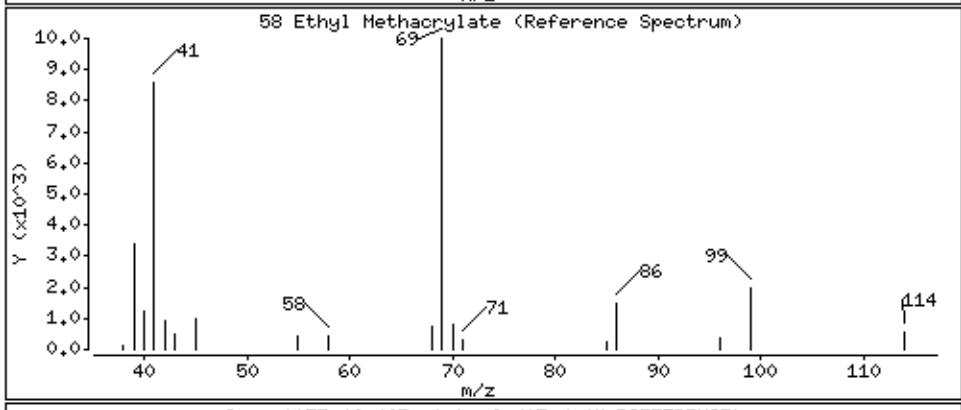
58 Ethyl Methacrylate

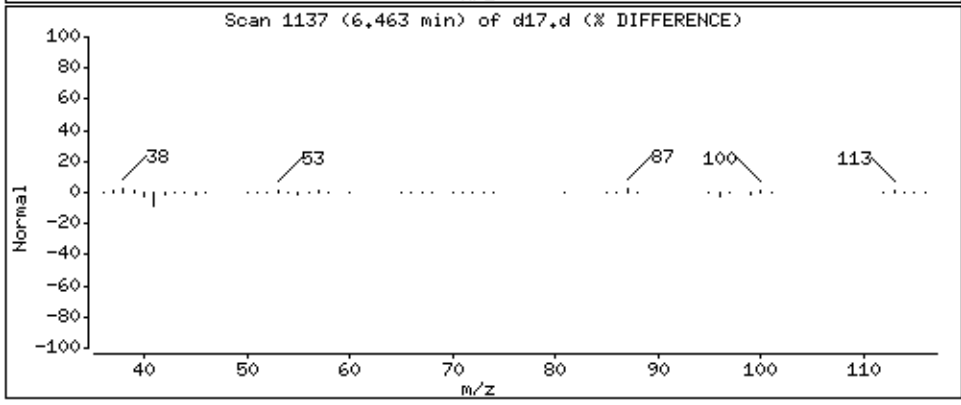
Concentration: 221 ppb

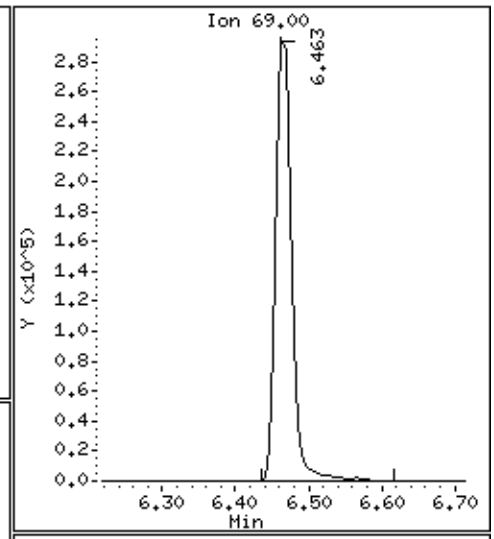
Review Code:

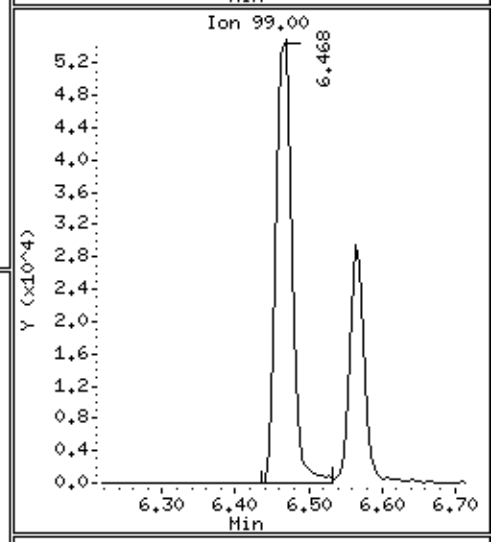


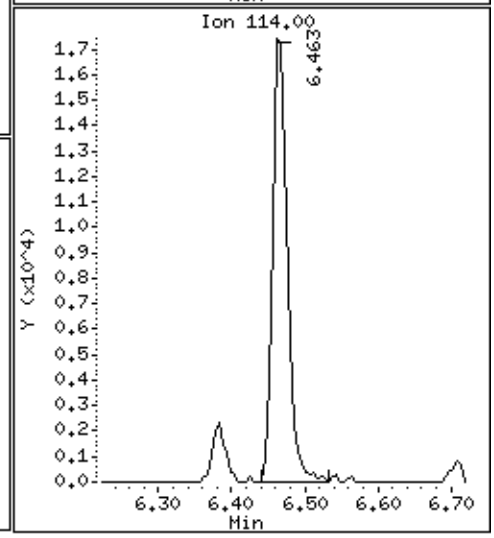












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

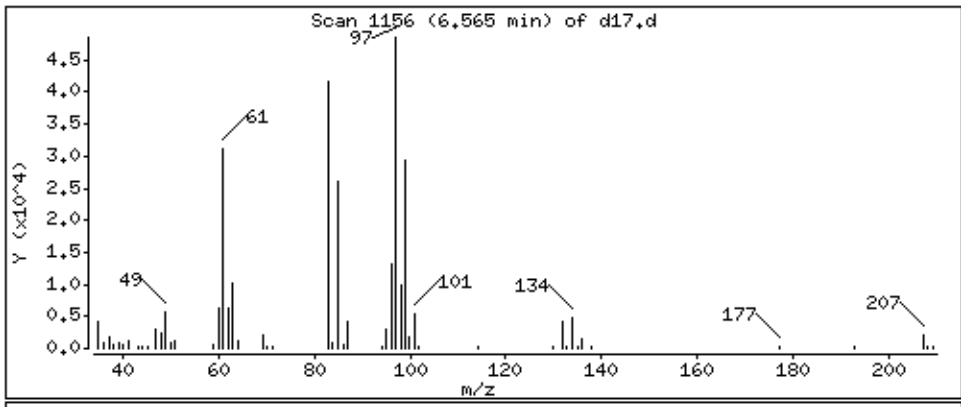
Column phase: DB-624

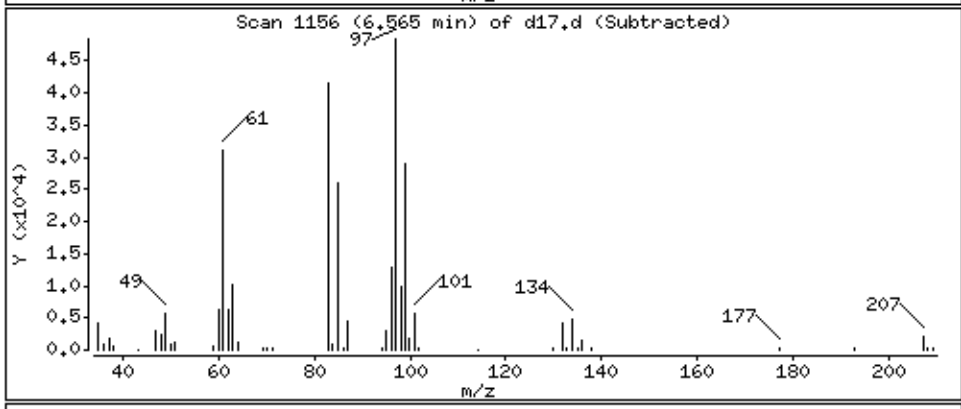
Column diameter: 0.18

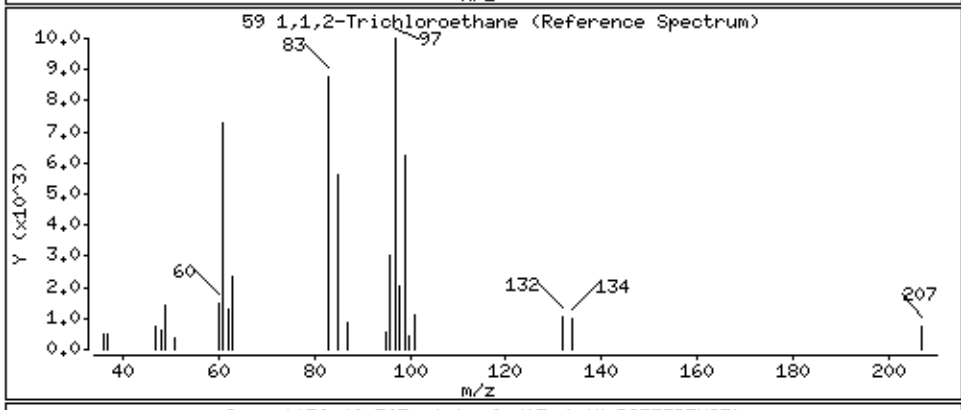
59 1,1,2-Trichloroethane

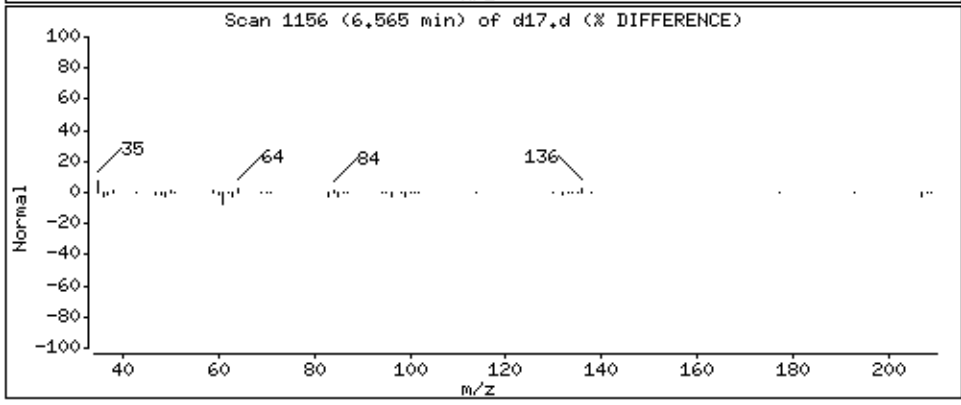
Concentration: 49.2 ppb

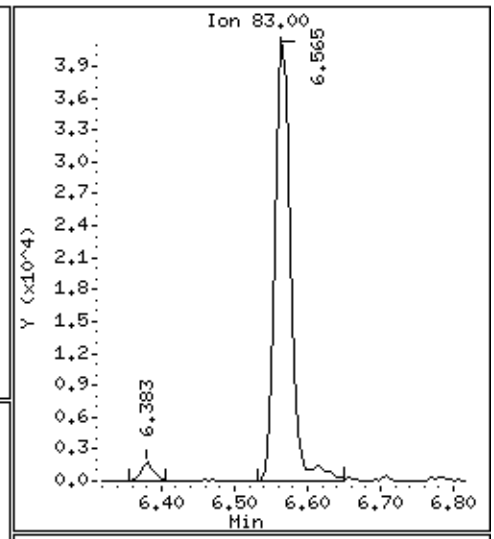
Review Code:

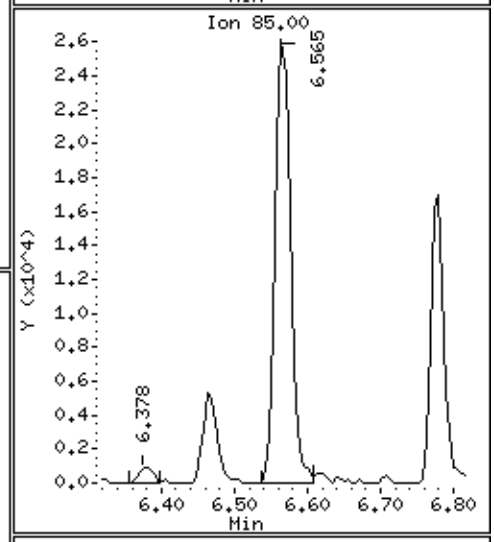


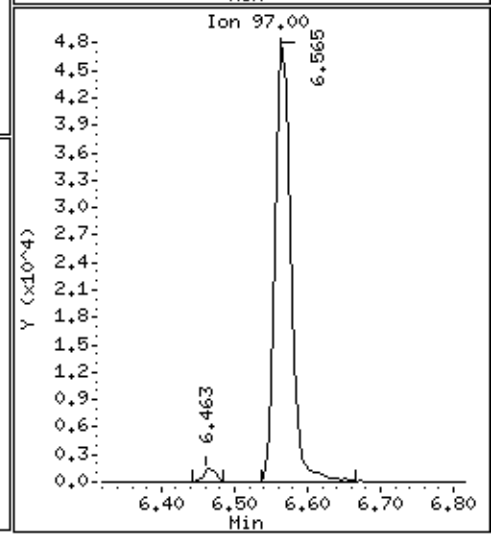












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

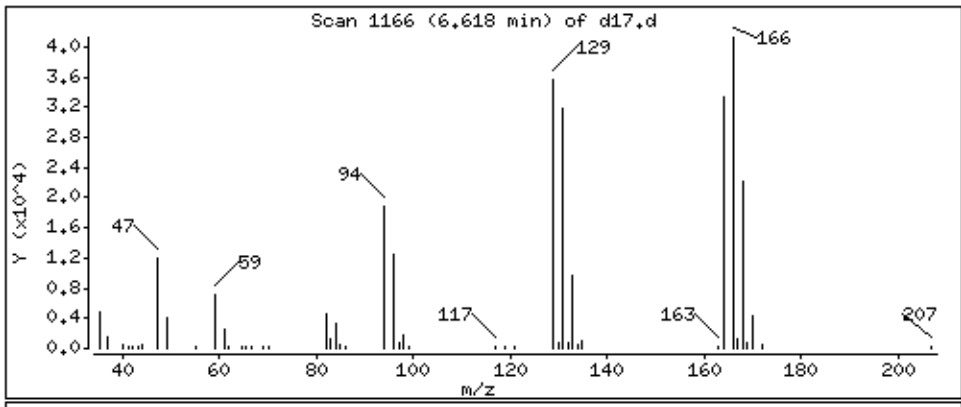
Column phase: DB-624

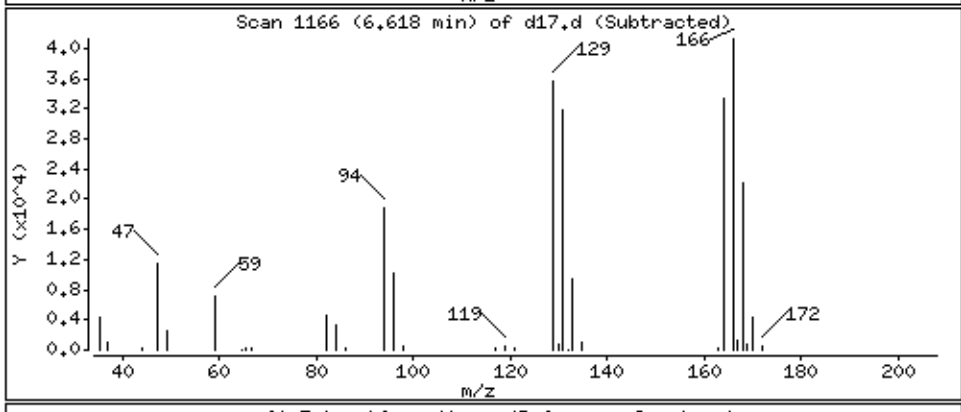
Column diameter: 0.18

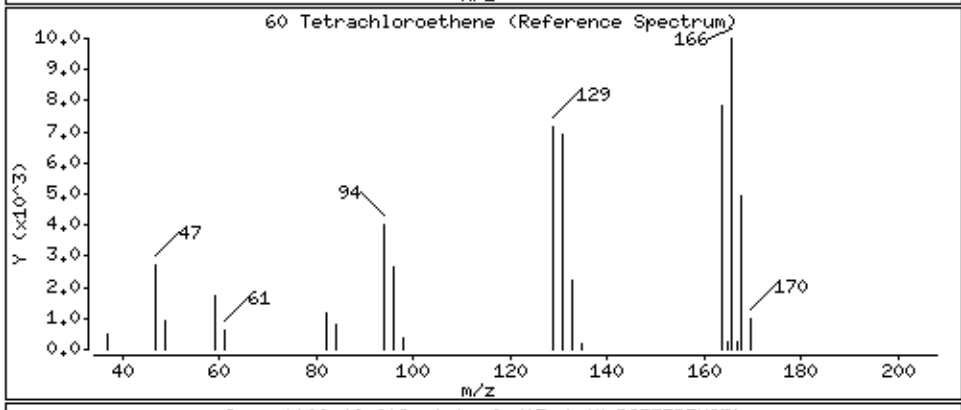
60 Tetrachloroethene

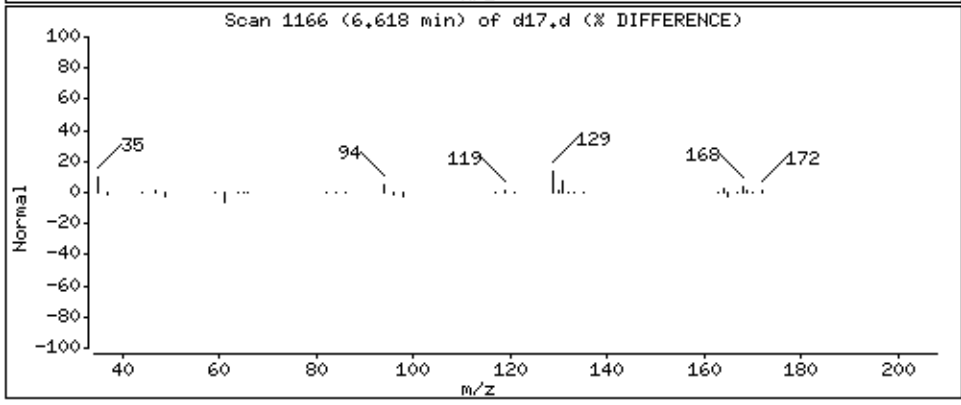
Concentration: 24.9 ppb

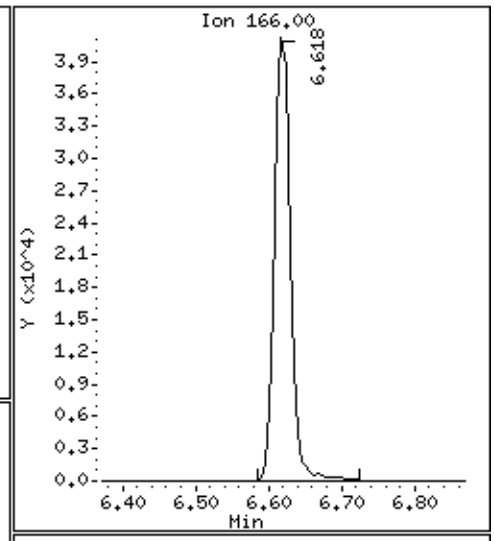
Review Code:

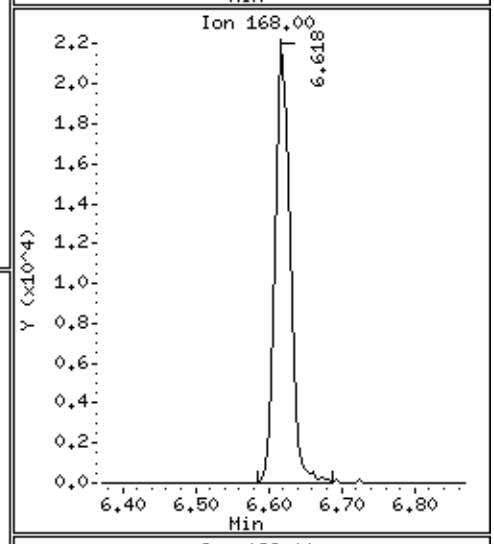


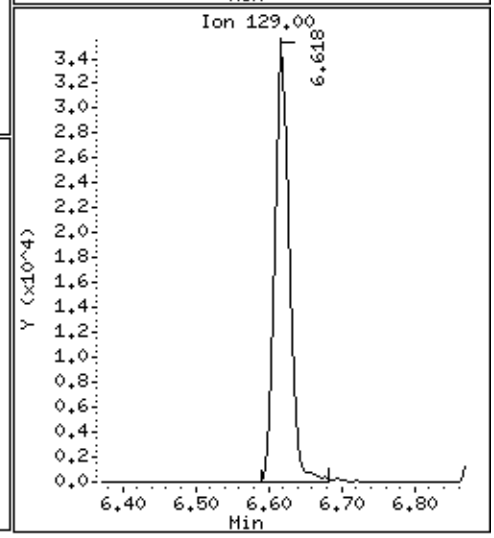












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

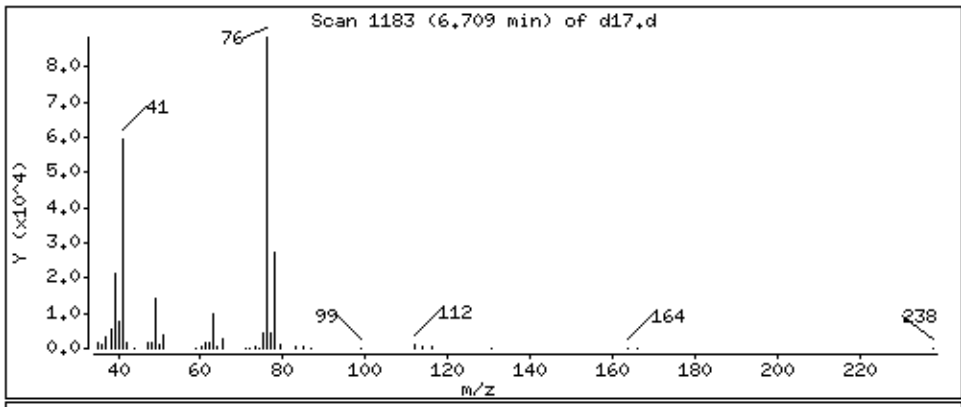
Column phase: DB-624

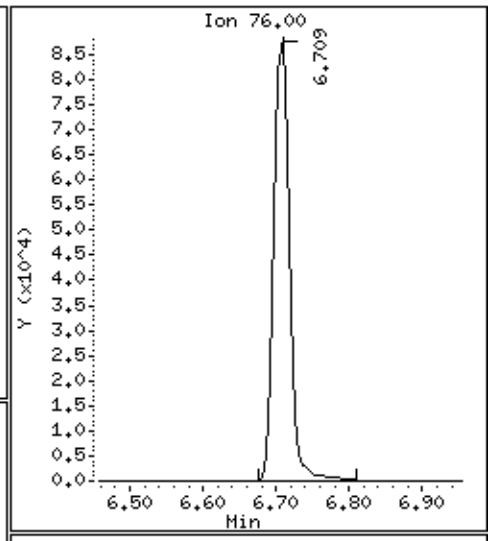
Column diameter: 0.18

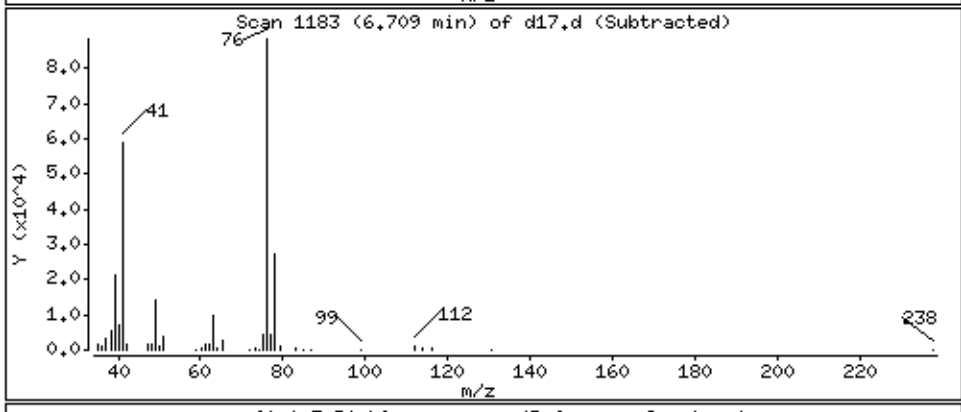
61 1,3-Dichloropropane

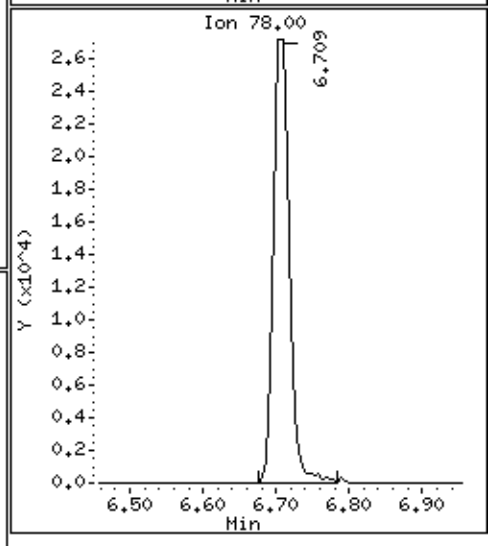
Concentration: 48.7 ppb

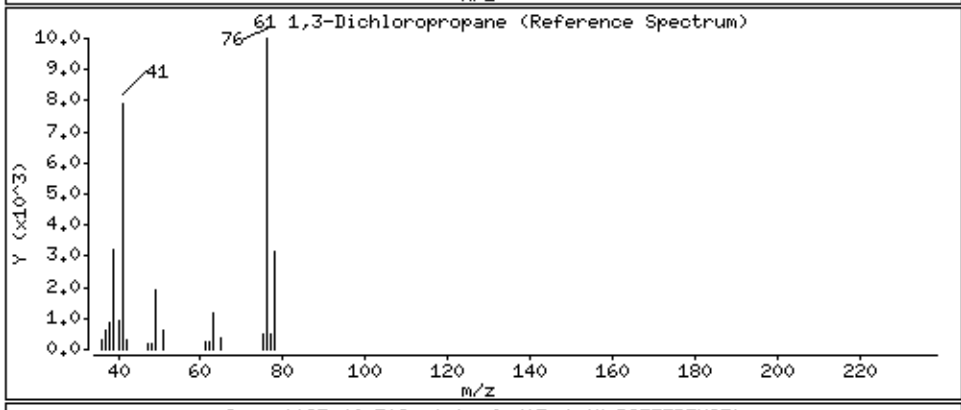
Review Code:

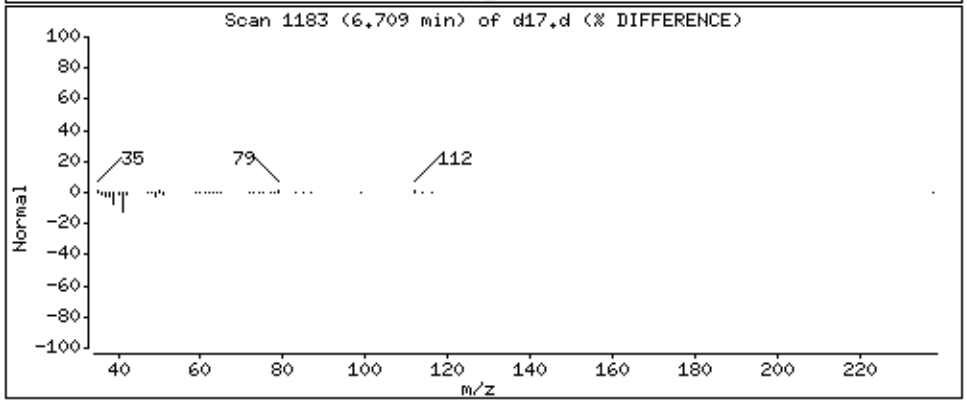












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Page 63

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

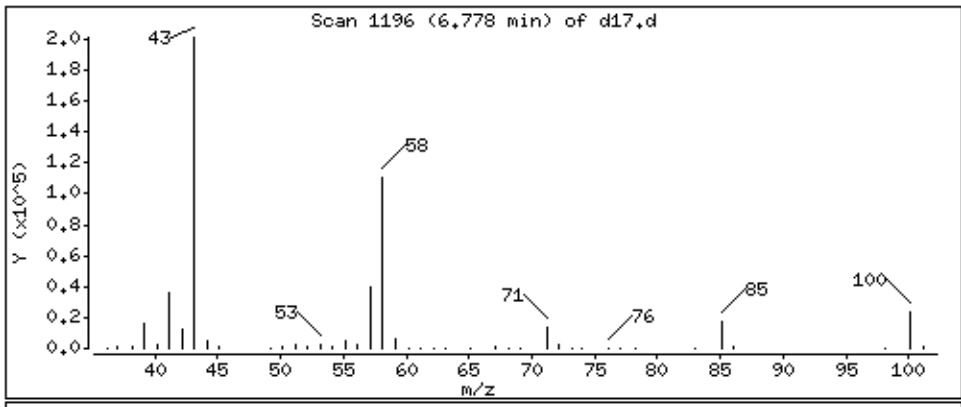
Column phase: DB-624

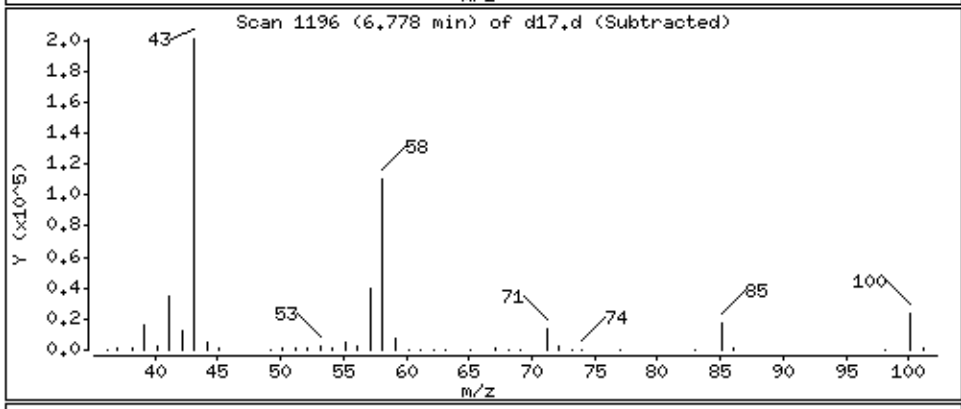
Column diameter: 0.18

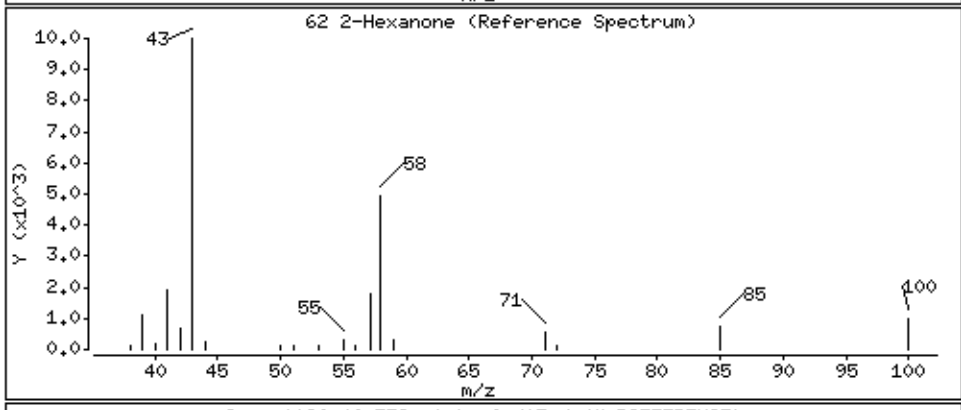
62 2-Hexanone

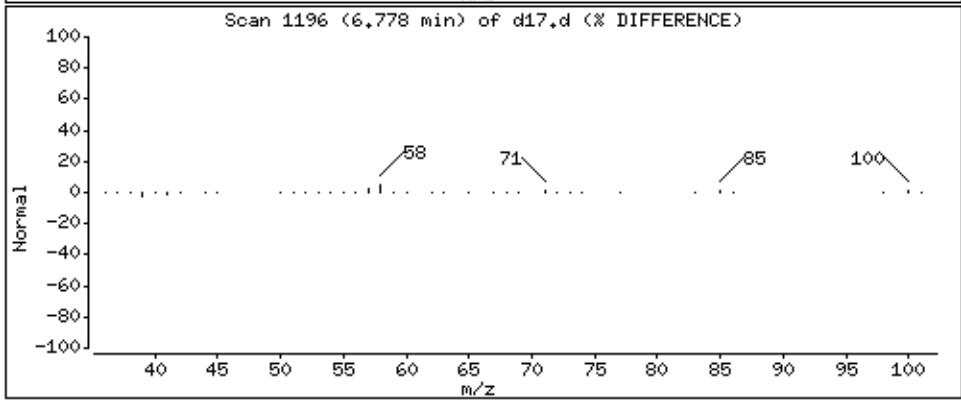
Concentration: 304 ppb

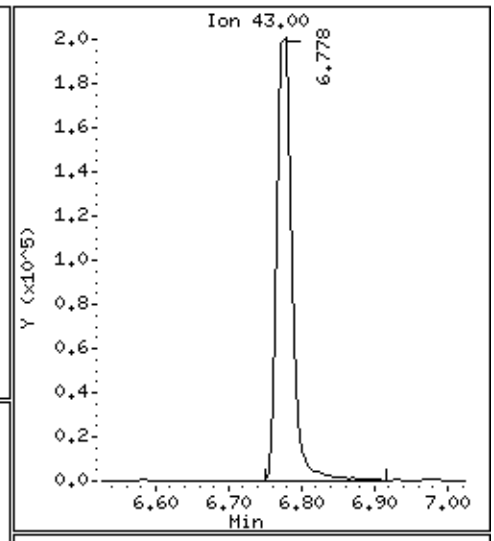
Review Code:

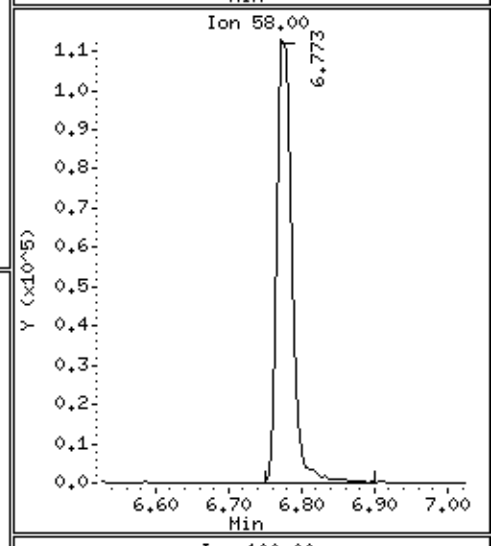


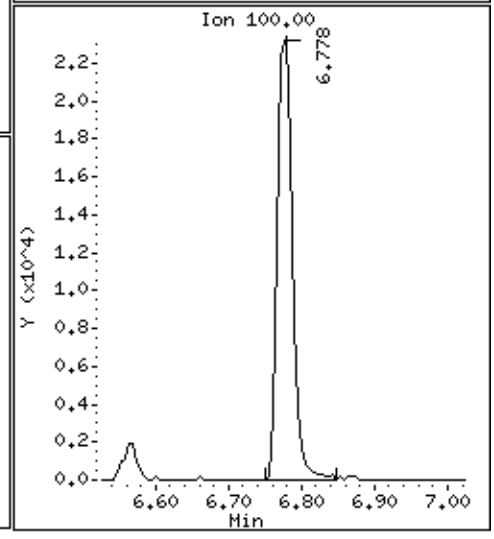












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

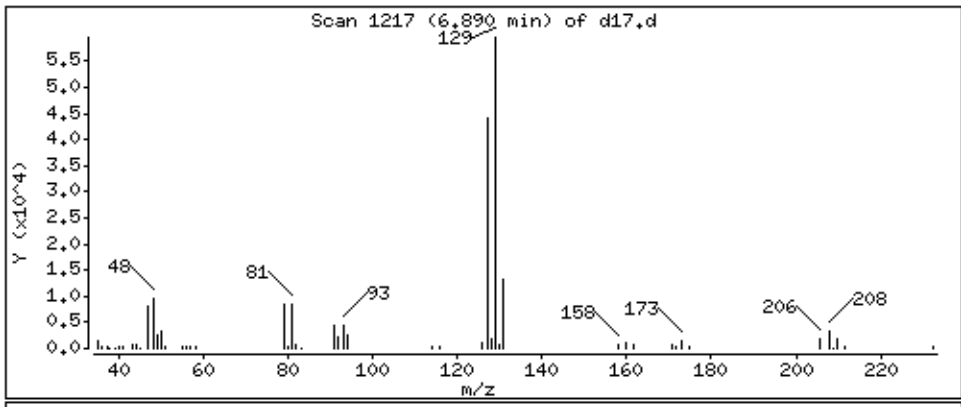
Column phase: DB-624

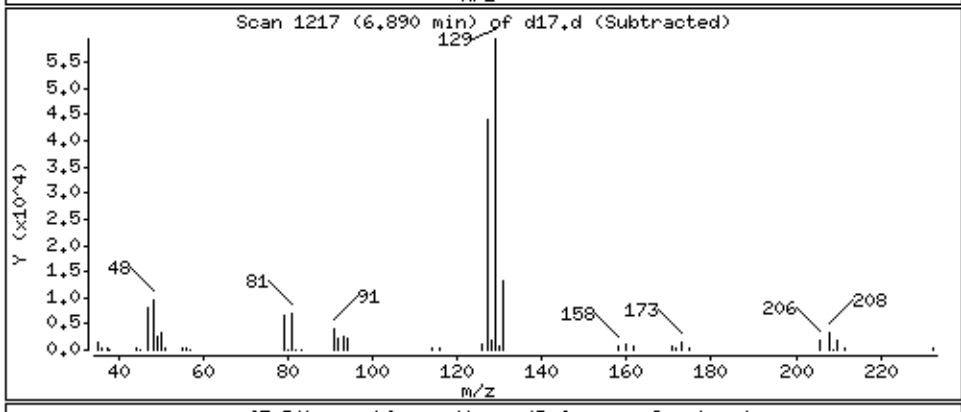
Column diameter: 0.18

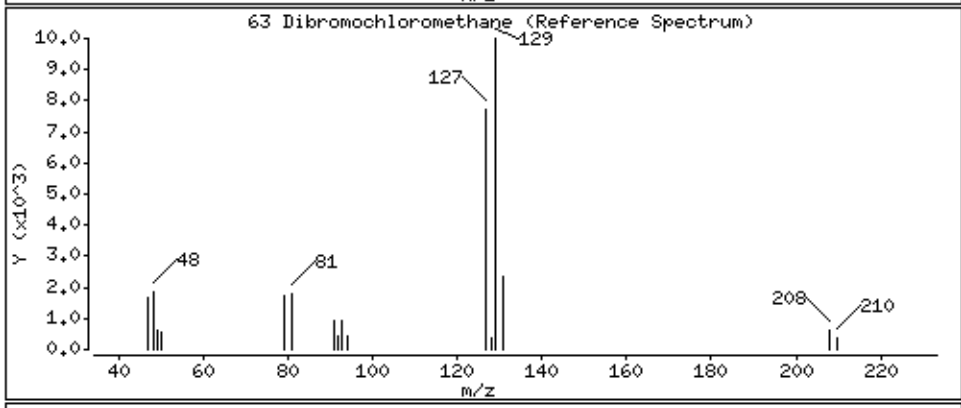
63 Dibromochloromethane

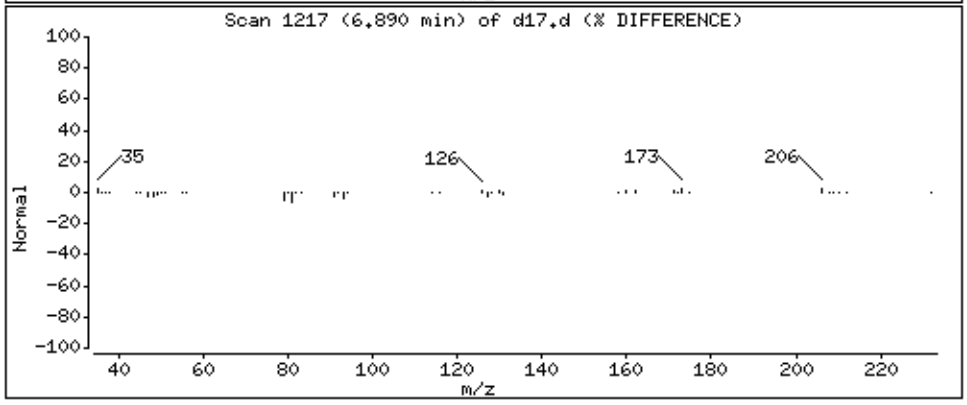
Concentration: 44.5 ppb

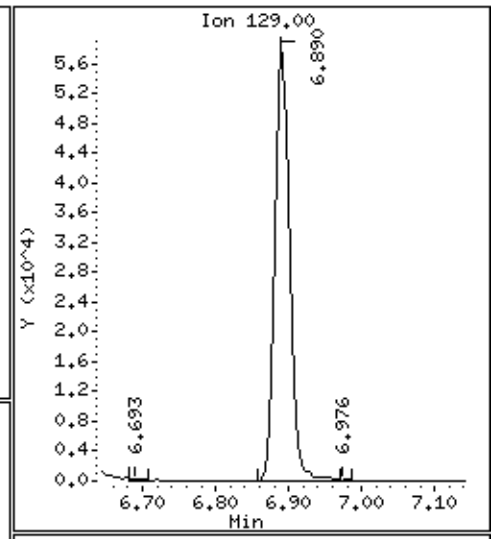
Review Code:

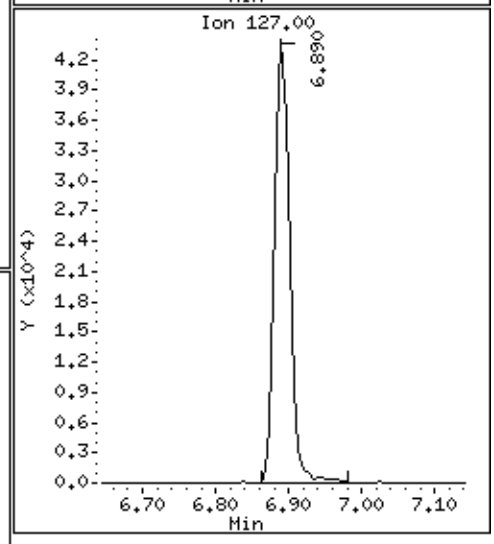












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

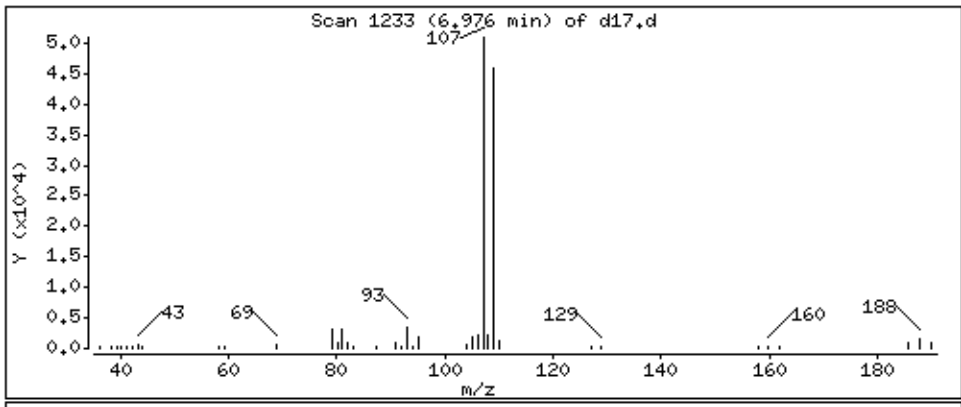
Column phase: DB-624

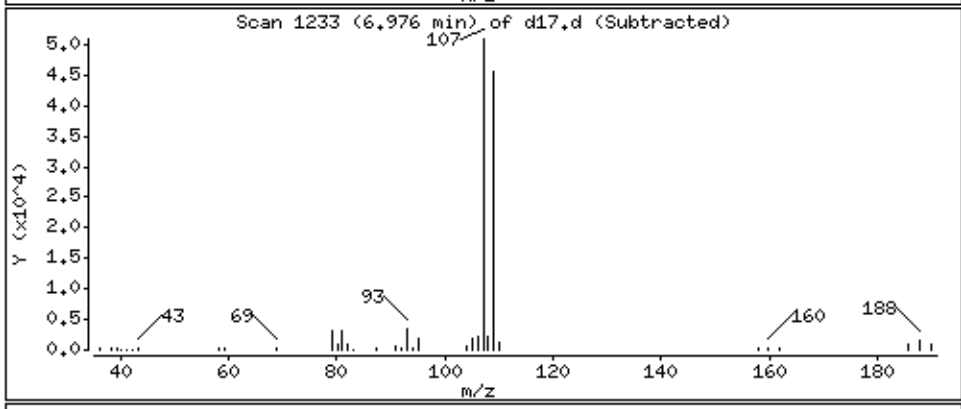
Column diameter: 0.18

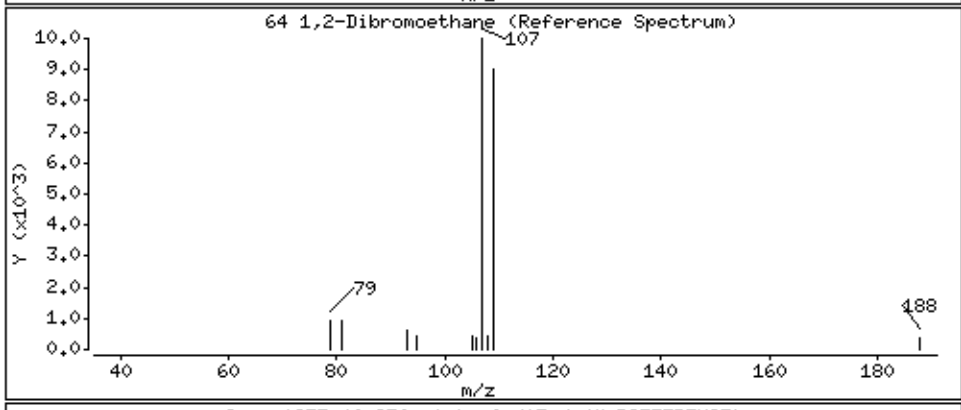
64 1,2-Dibromoethane

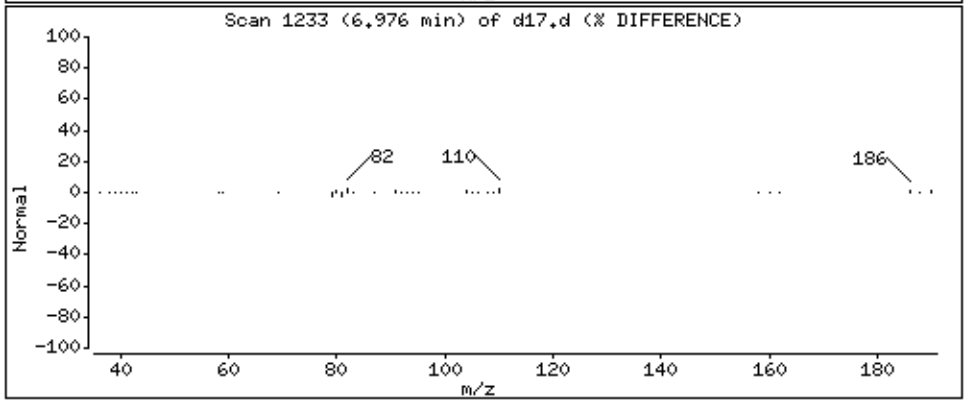
Concentration: 47.7 ppb

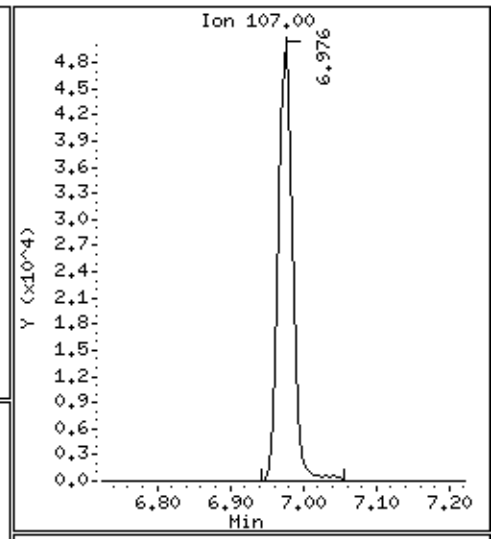
Review Code:

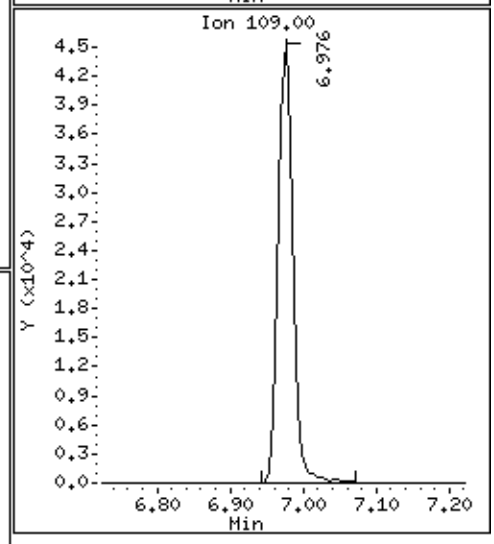












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

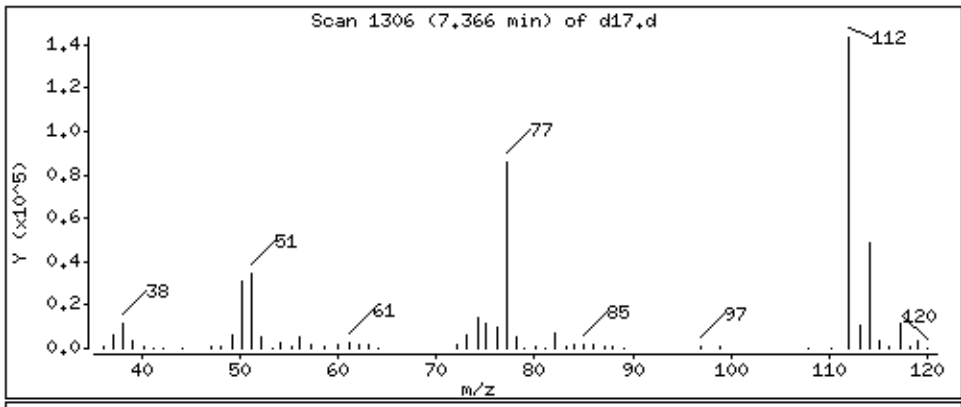
Column phase: DB-624

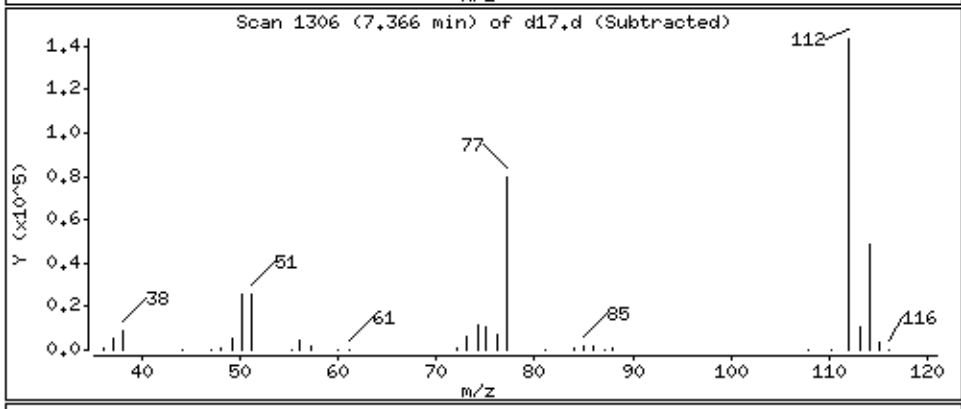
Column diameter: 0.18

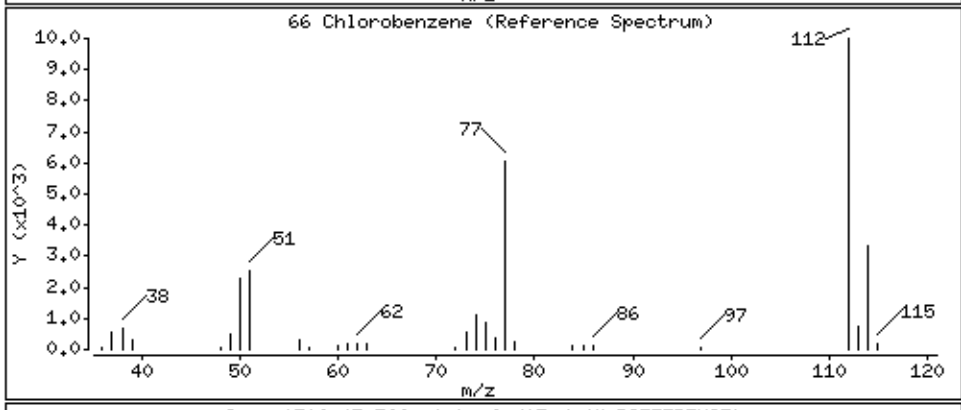
66 Chlorobenzene

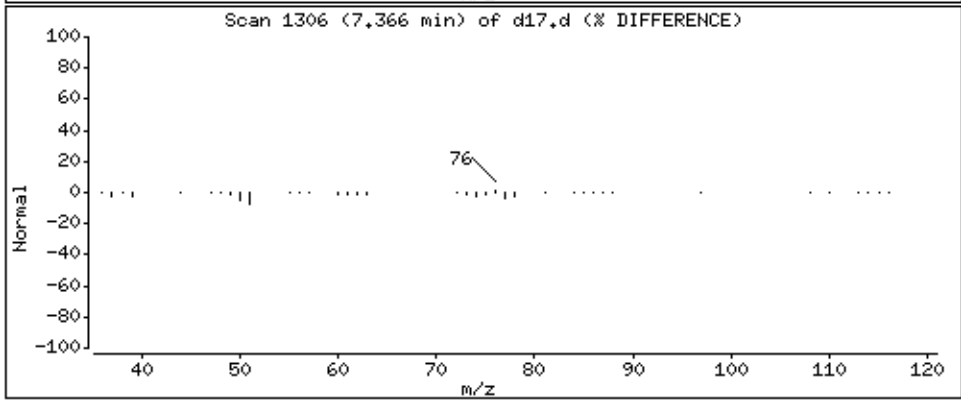
Concentration: 28.1 ppb

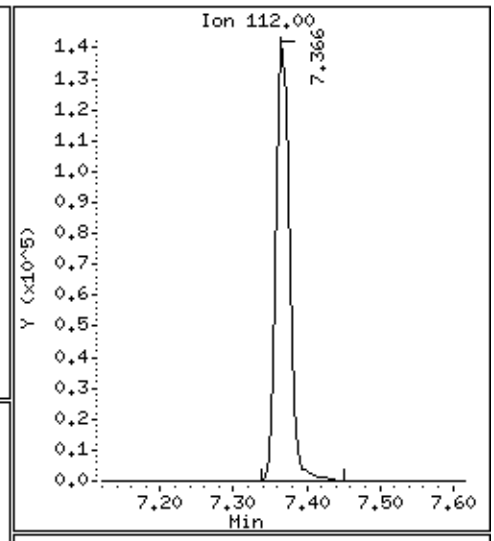
Review Code:

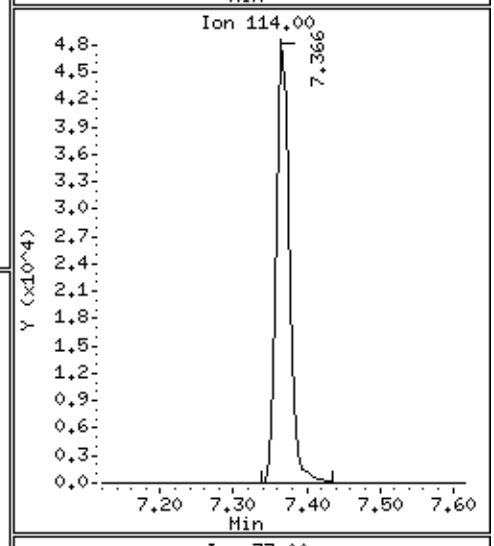


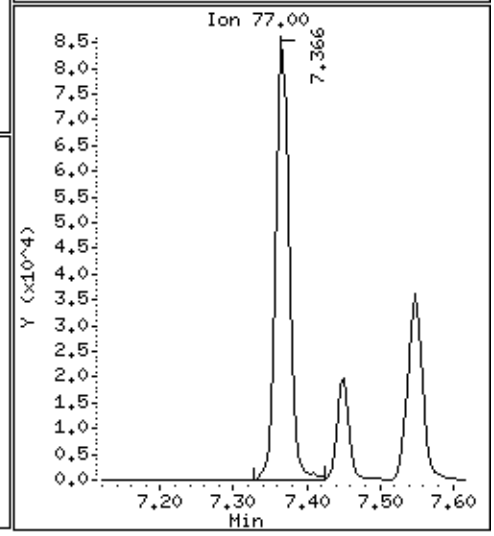












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

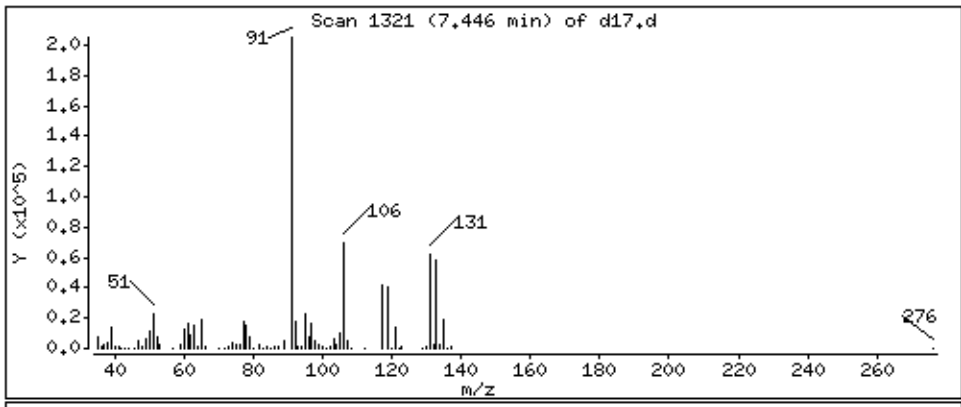
Column phase: DB-624

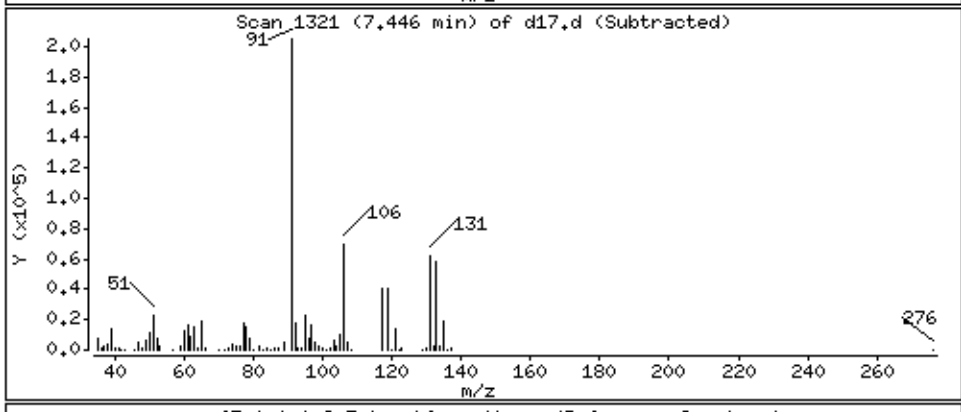
Column diameter: 0.18

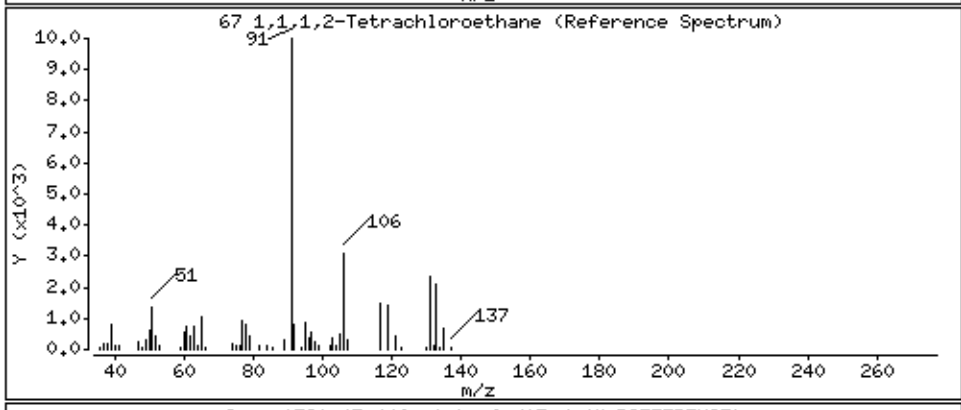
67 1,1,1,2-Tetrachloroethane

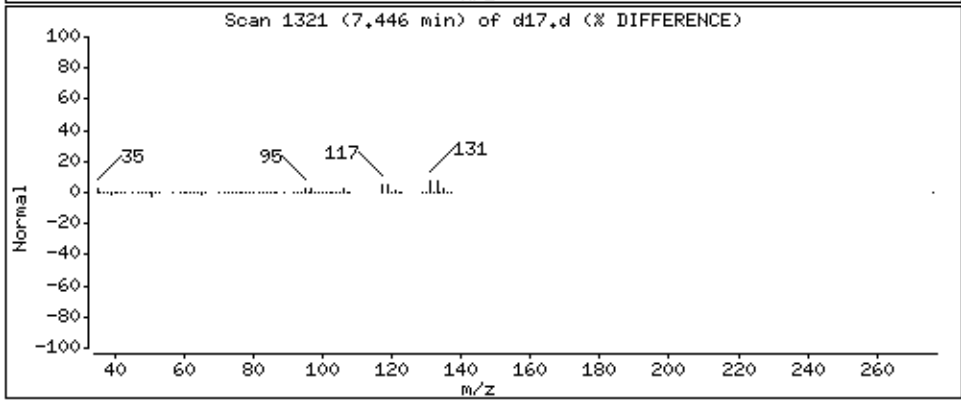
Concentration: 38.0 ppb

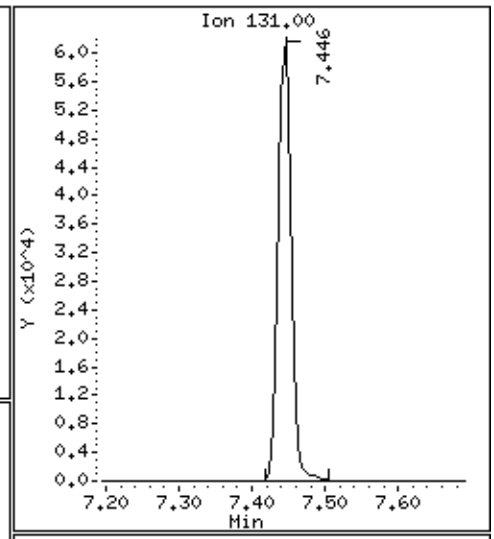
Review Code:

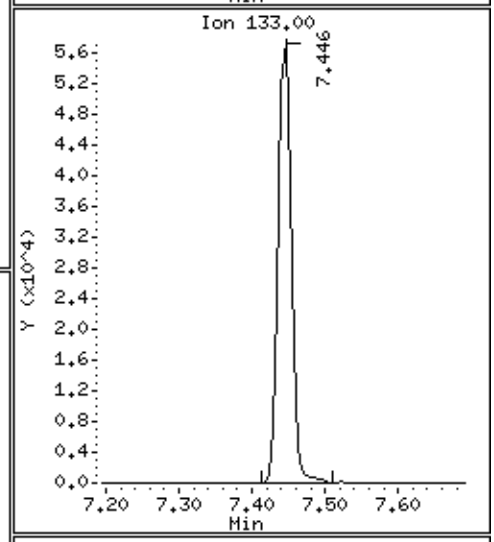


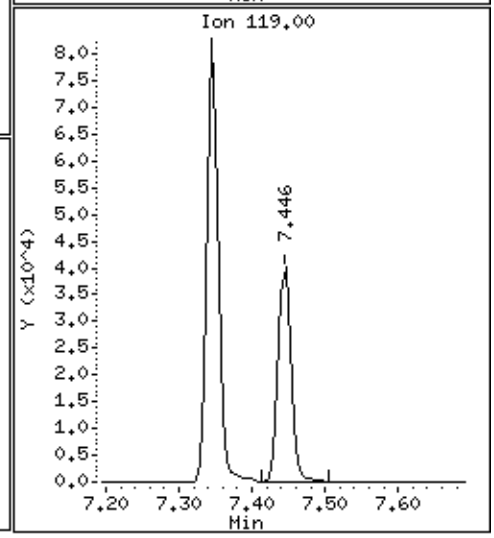












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

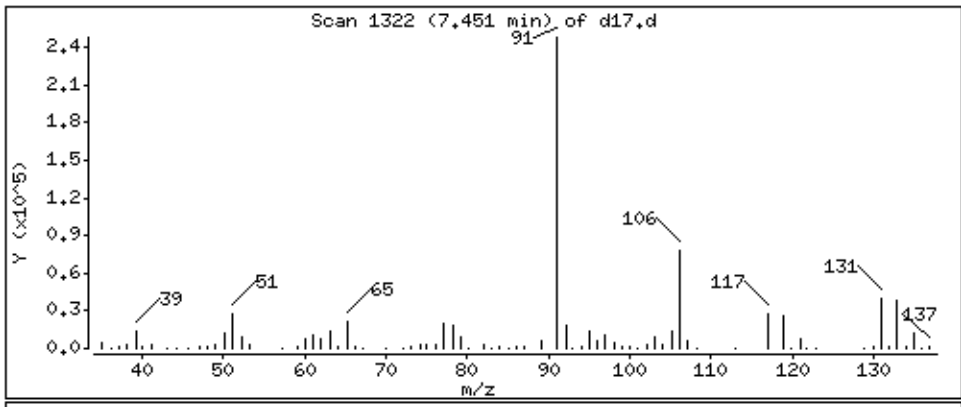
Column phase: DB-624

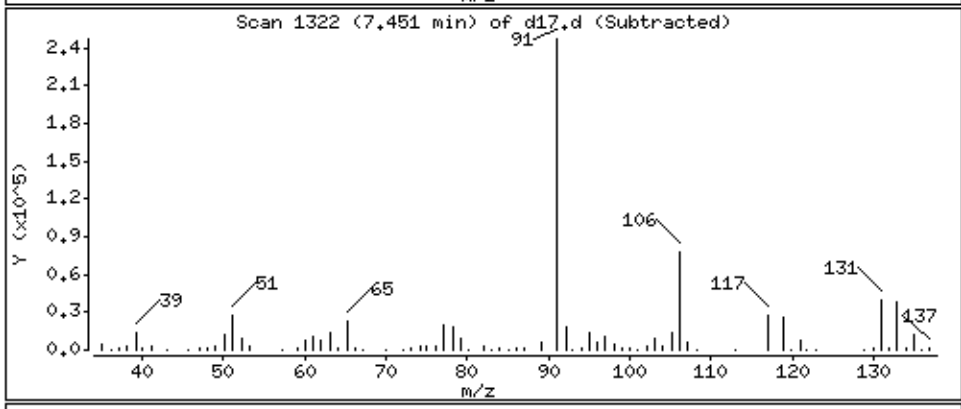
Column diameter: 0.18

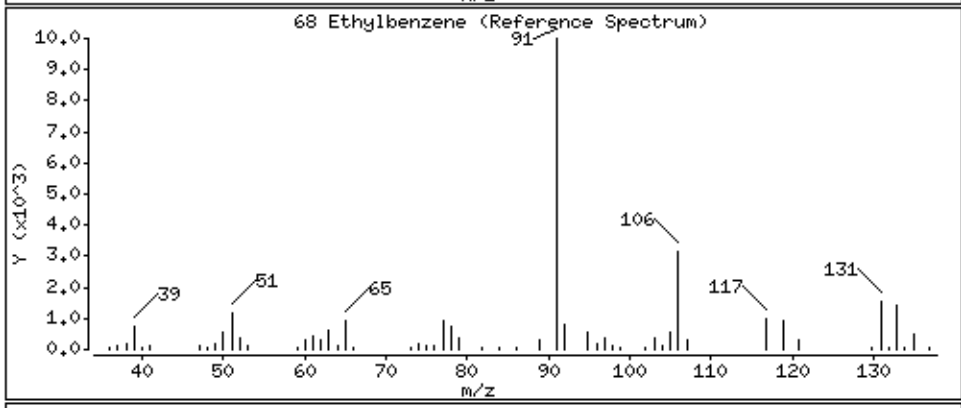
68 Ethylbenzene

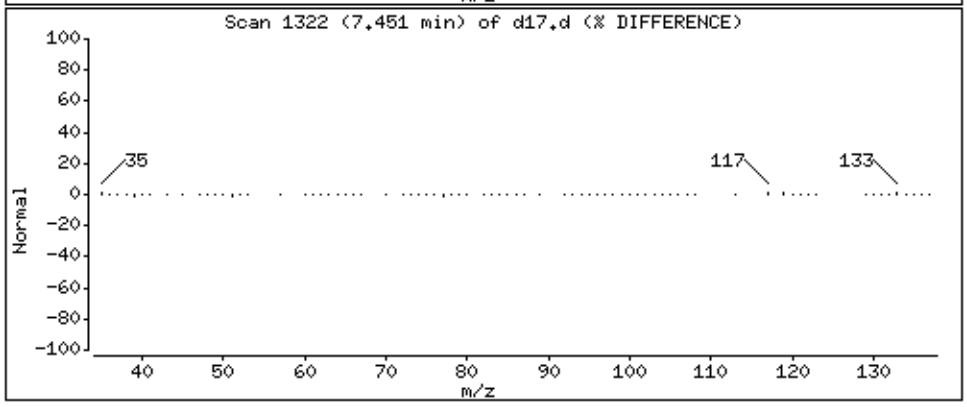
Concentration: 26.0 ppb

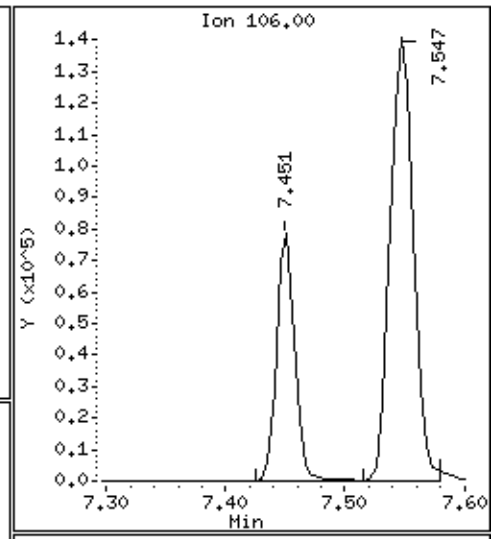
Review Code:

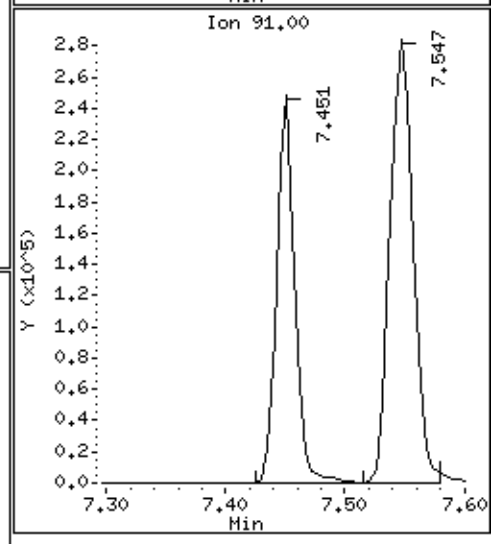












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

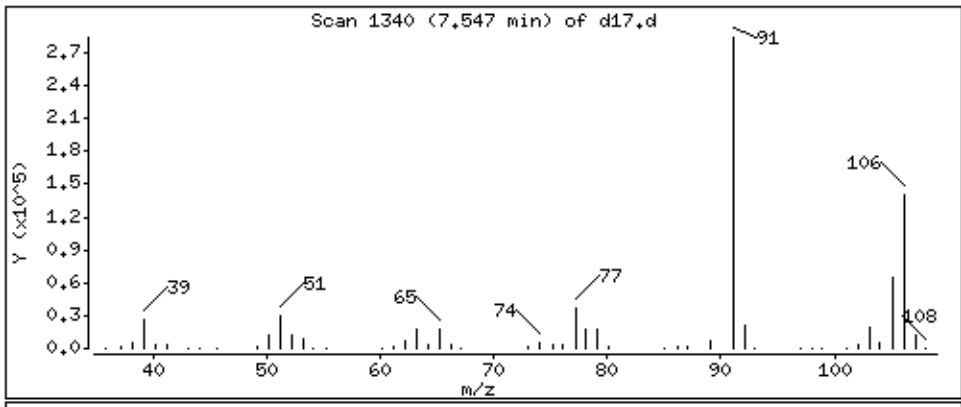
Column phase: DB-624

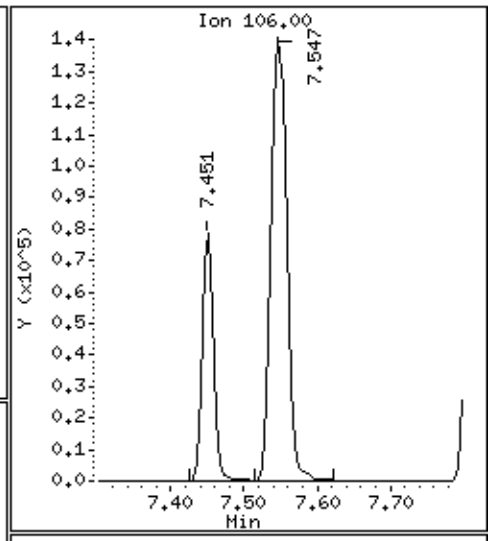
Column diameter: 0.18

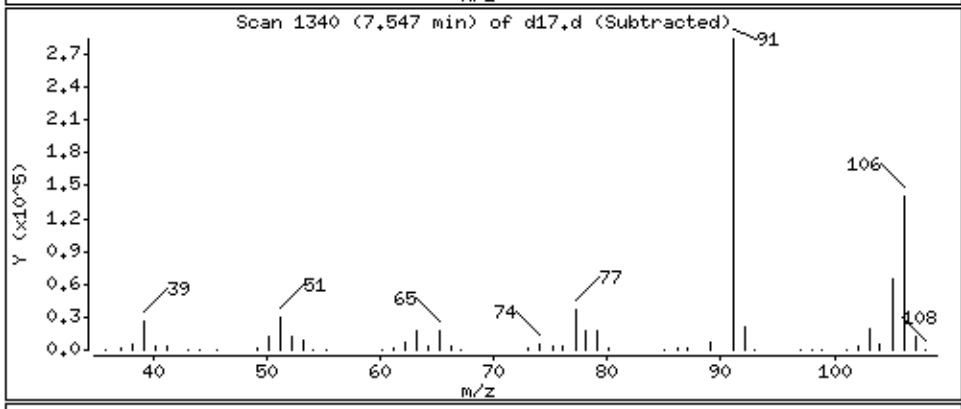
69 m&p-Xylene

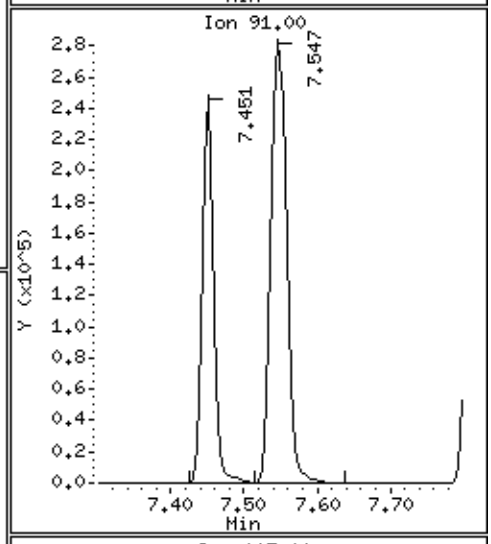
Concentration: 48.3 ppb

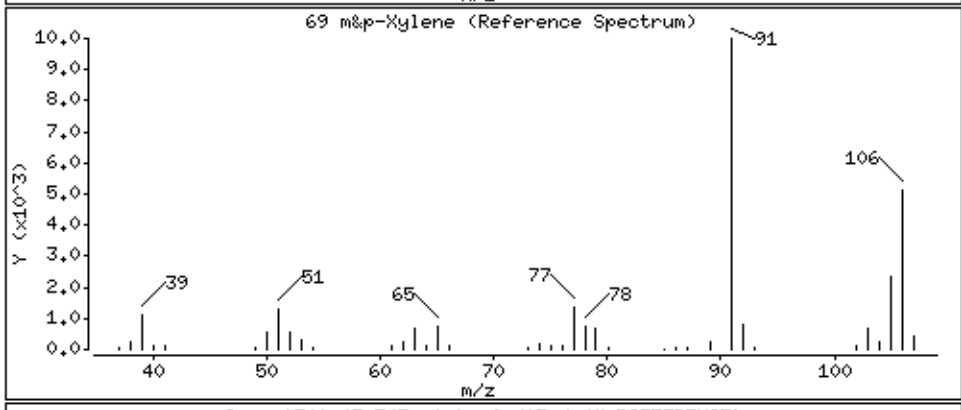
Review Code:

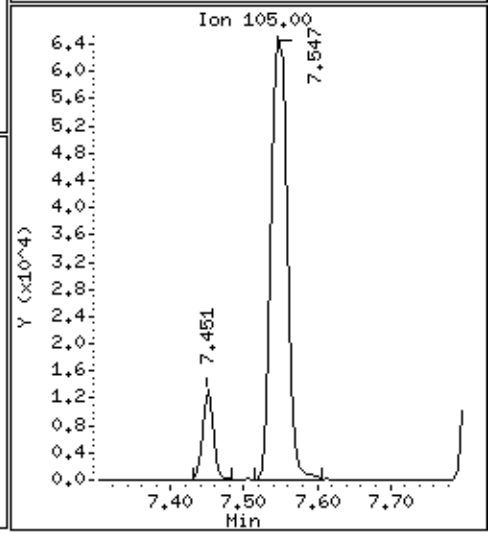


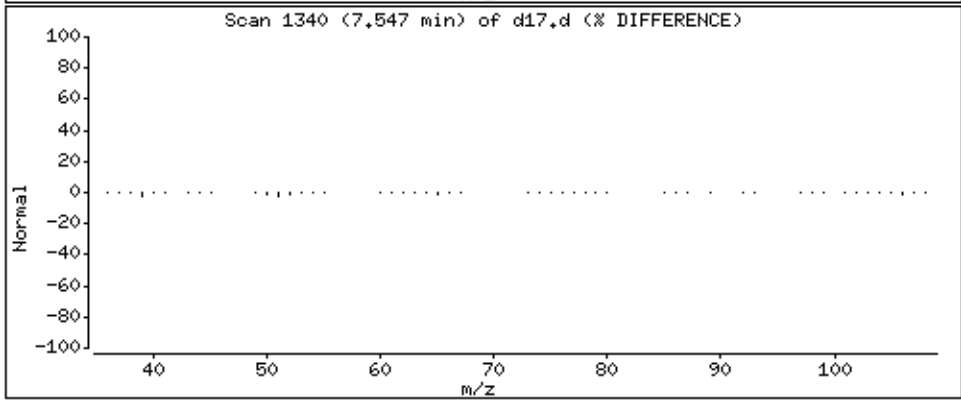












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

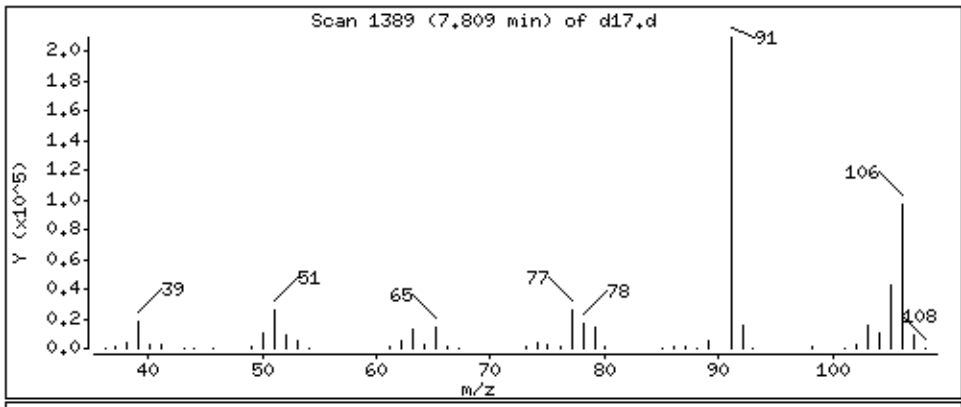
Column phase: DB-624

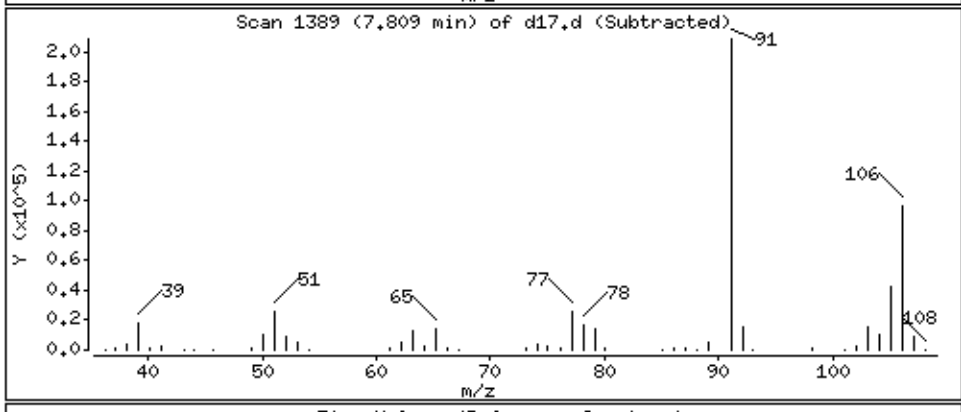
Column diameter: 0.18

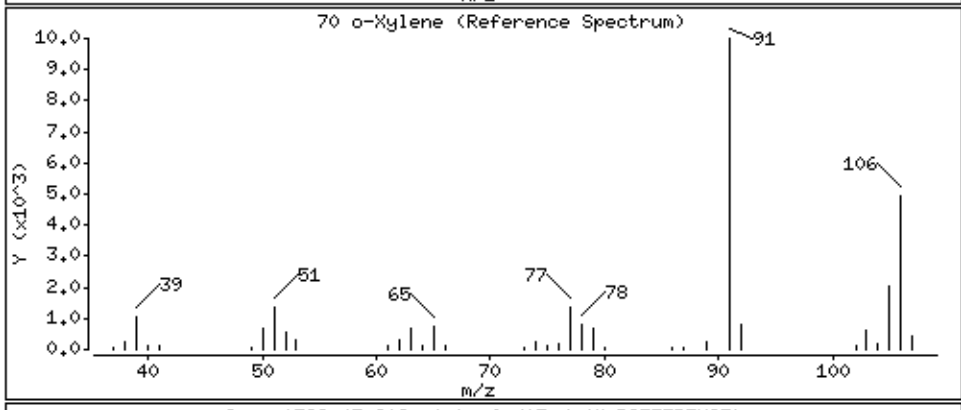
70 o-Xylene

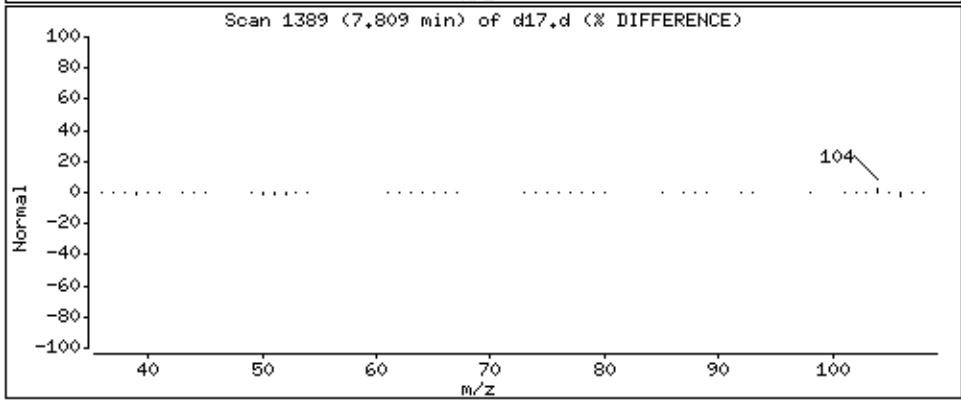
Concentration: 27.2 ppb

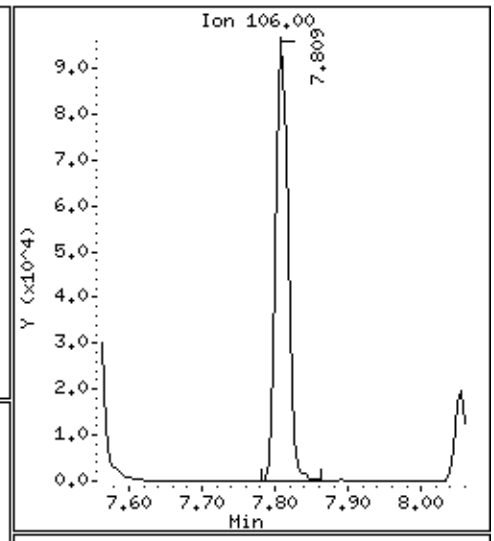
Review Code:

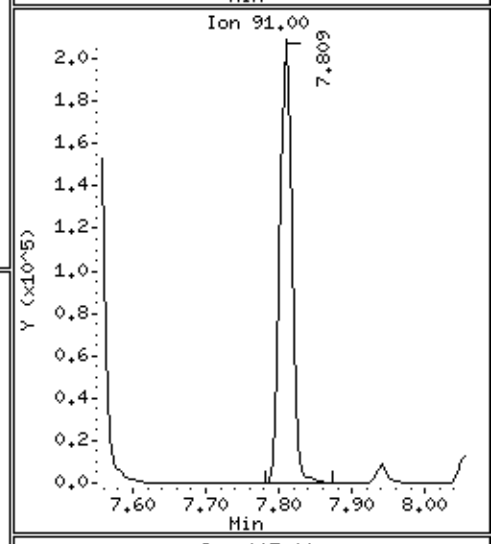


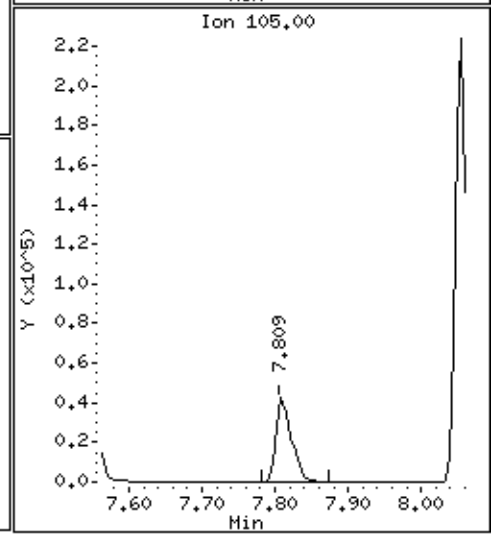












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

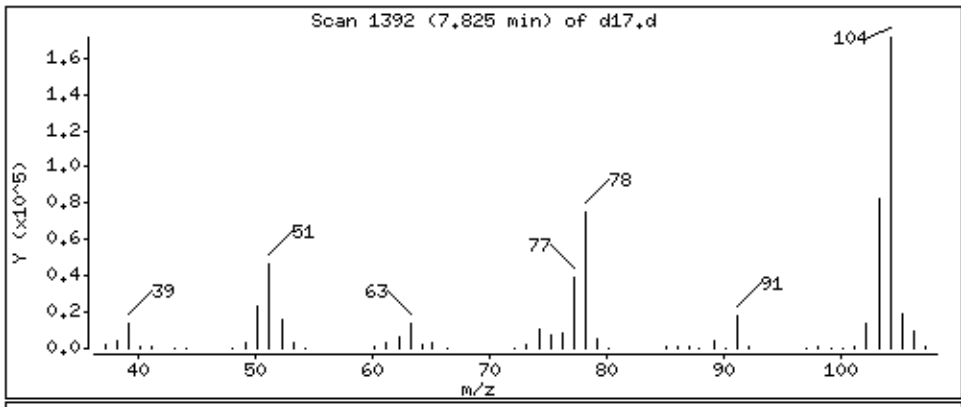
Column phase: DB-624

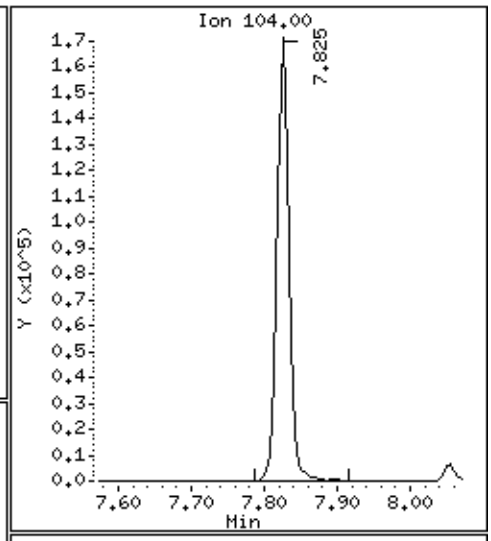
Column diameter: 0.18

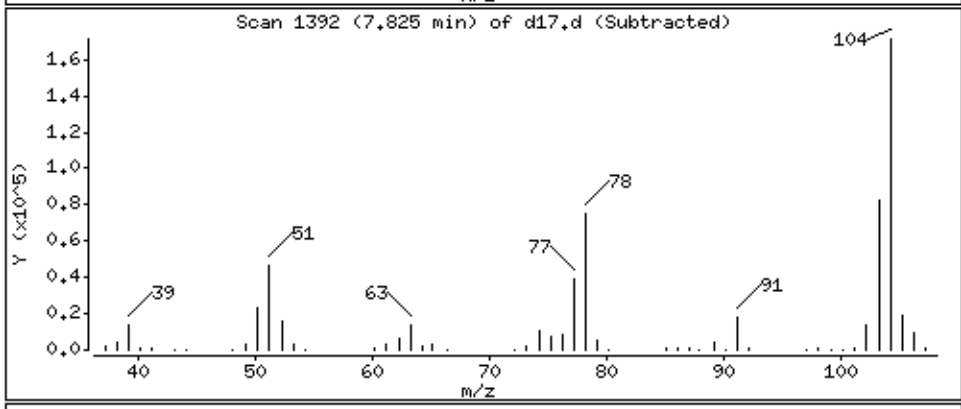
71 Styrene

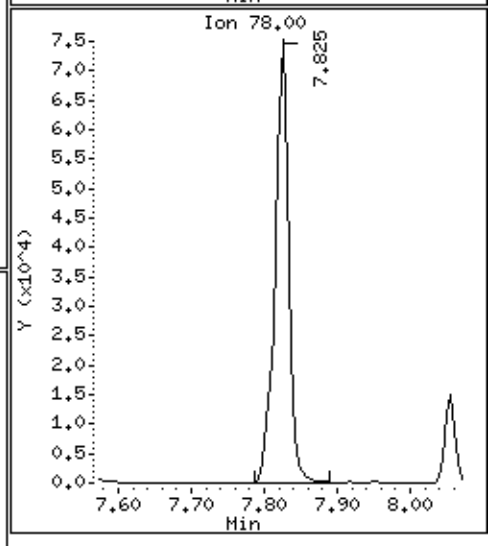
Concentration: 28.0 ppb

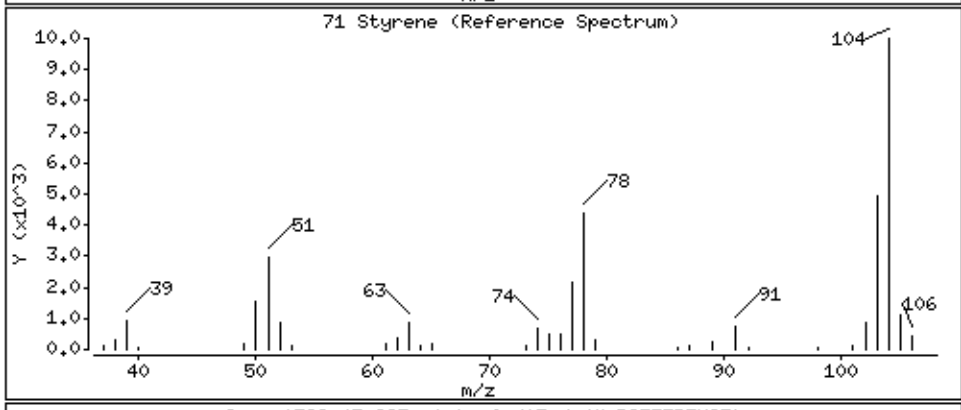
Review Code:

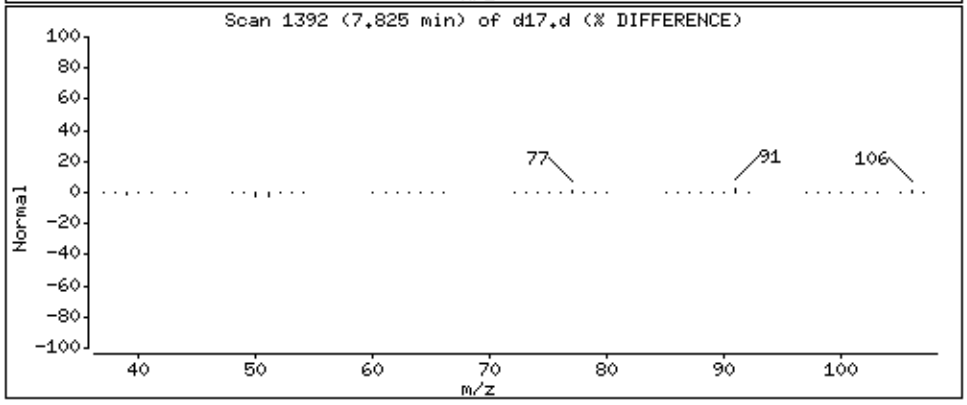












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

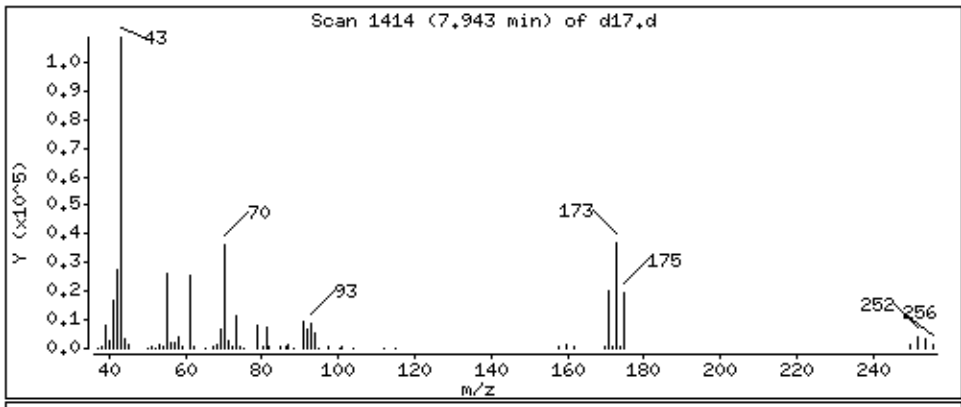
Column phase: DB-624

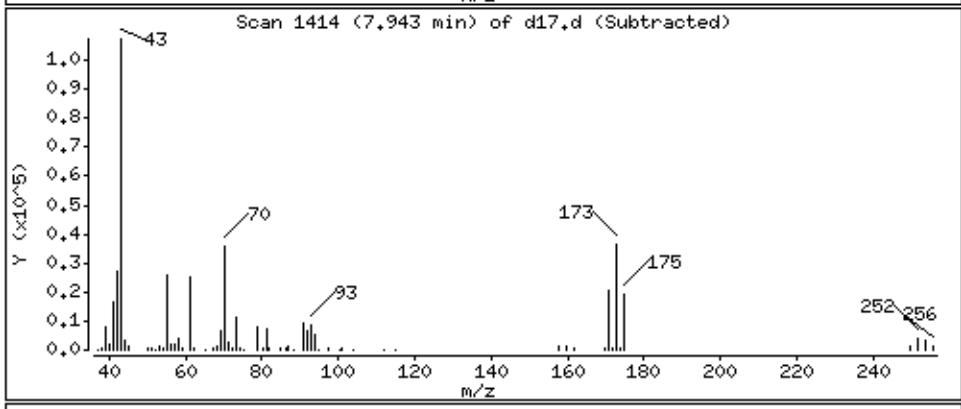
Column diameter: 0.18

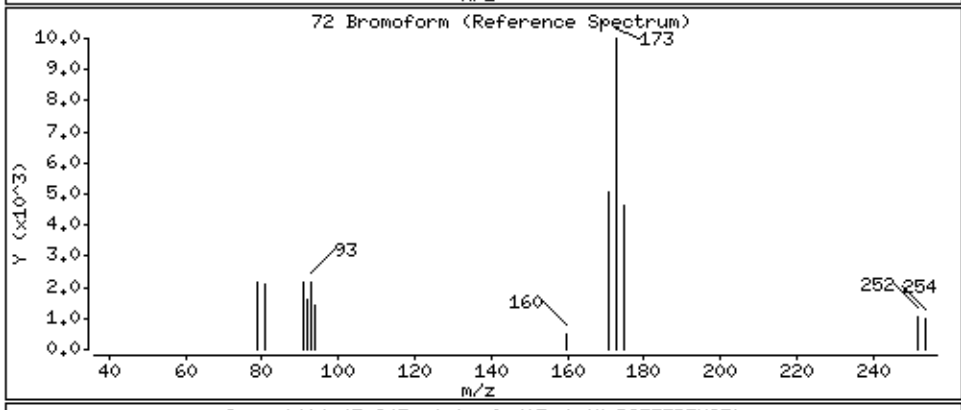
72 Bromoform

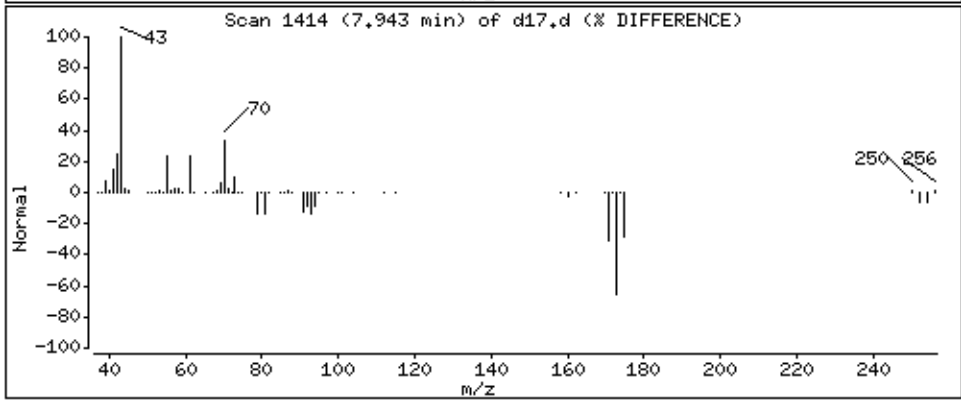
Concentration: 44.6 ppb

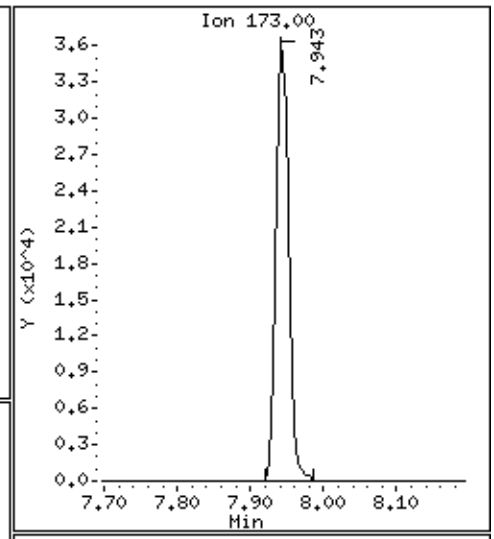
Review Code:

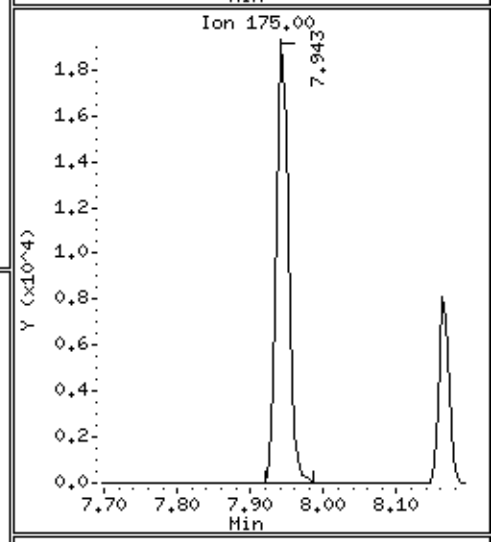


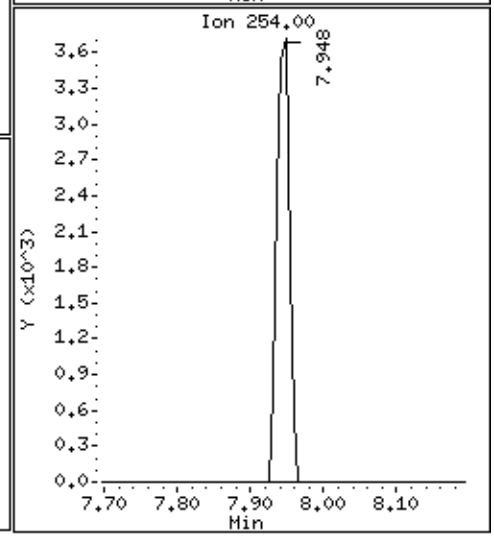












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

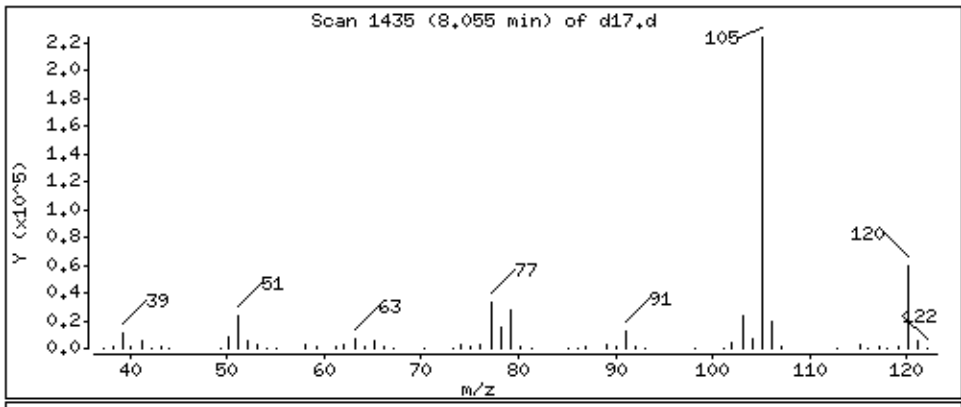
Column phase: DB-624

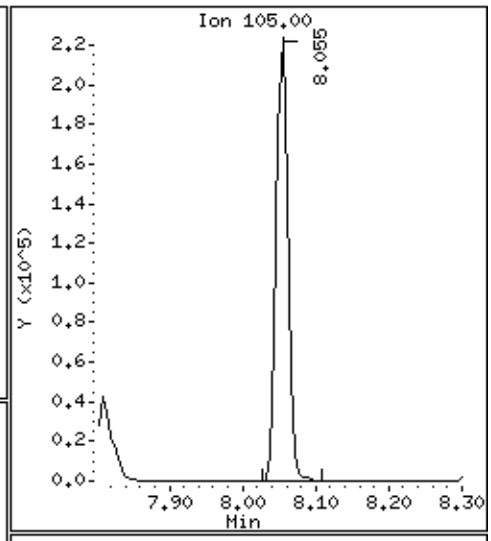
Column diameter: 0.18

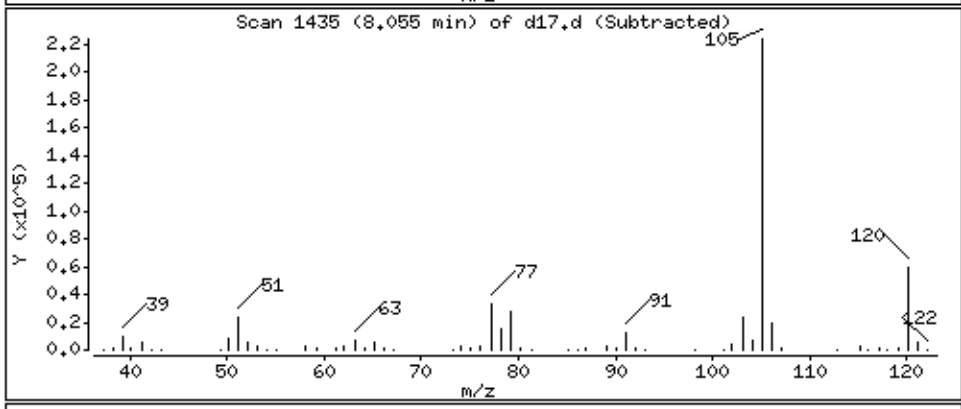
73 Isopropylbenzene

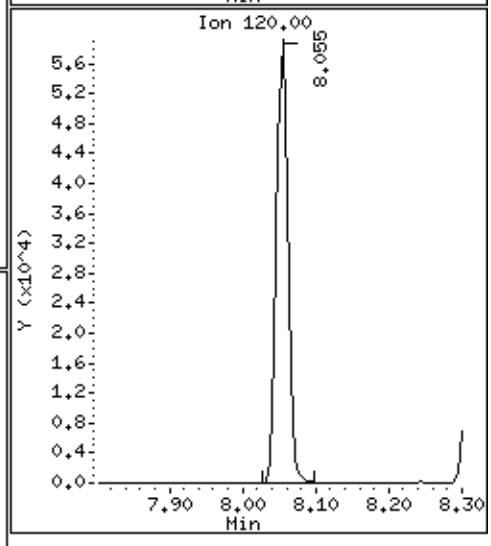
Concentration: 20.7 ppb

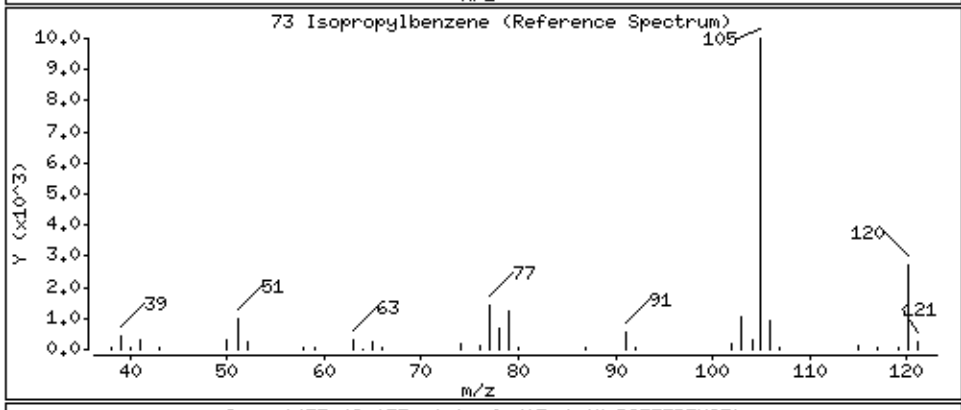
Review Code:

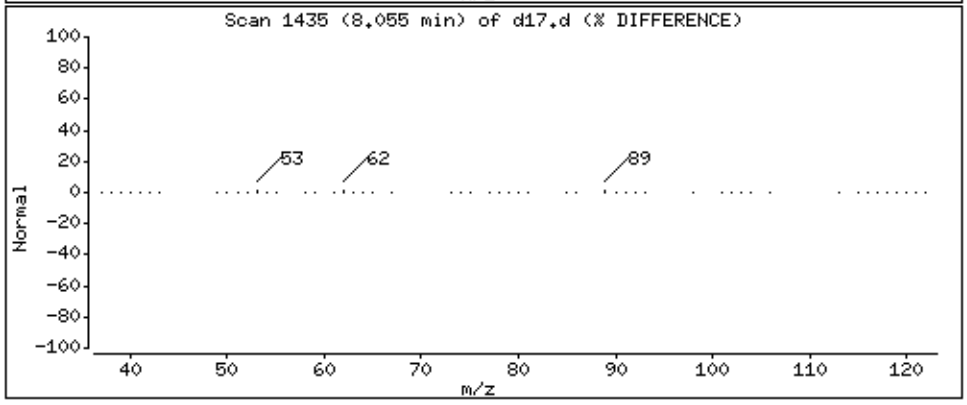












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

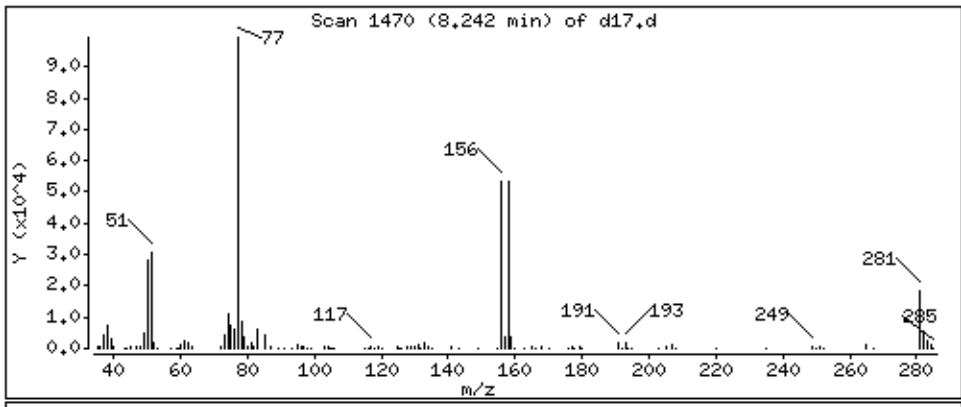
Column phase: DB-624

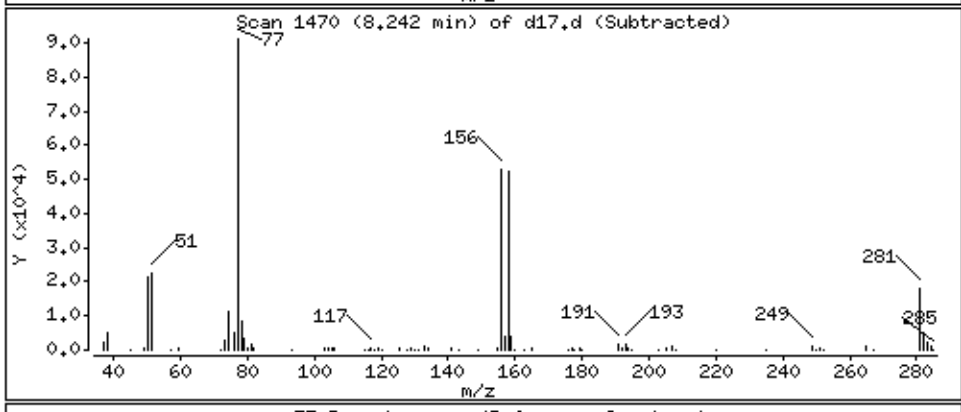
Column diameter: 0.18

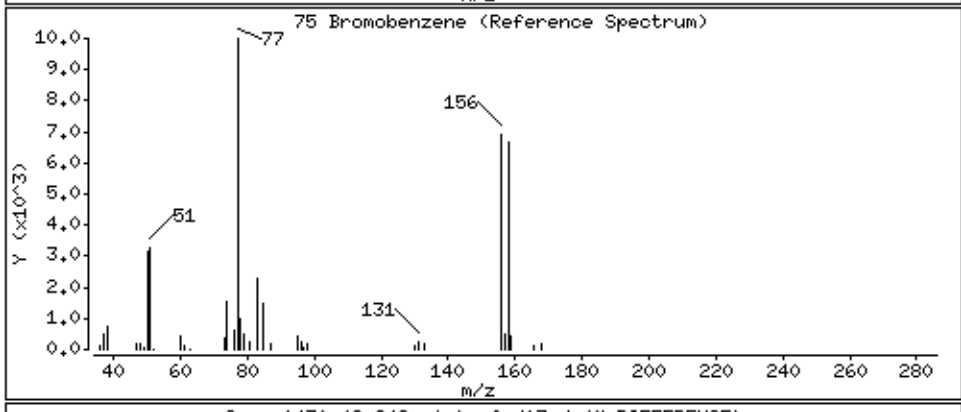
75 Bromobenzene

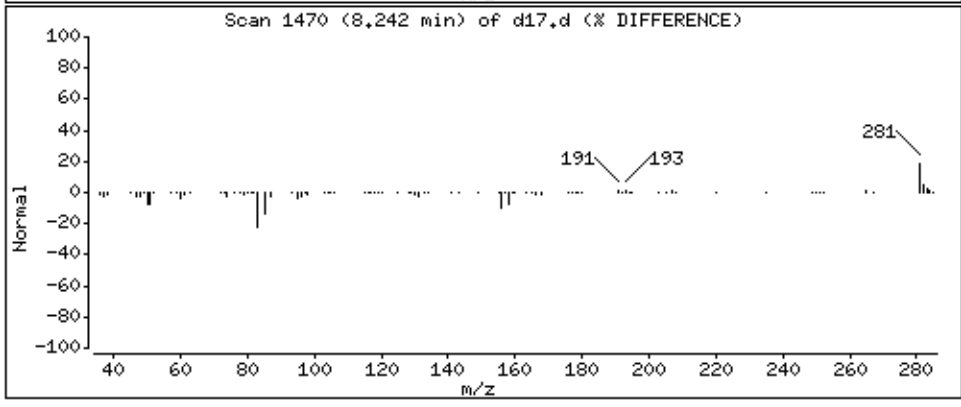
Concentration: 29.0 ppb

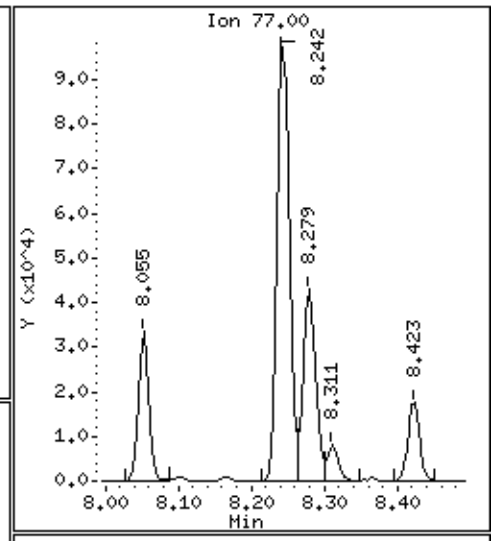
Review Code:

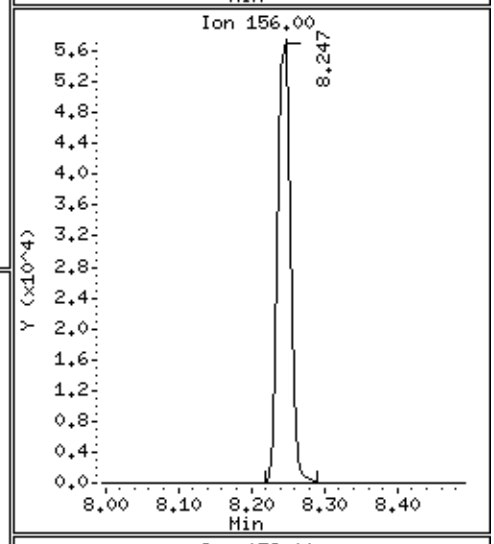


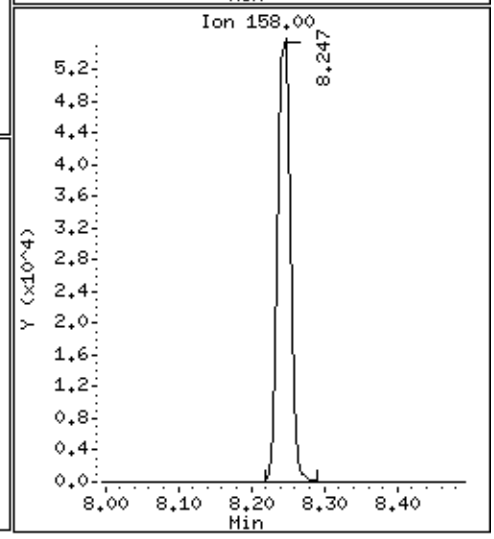












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

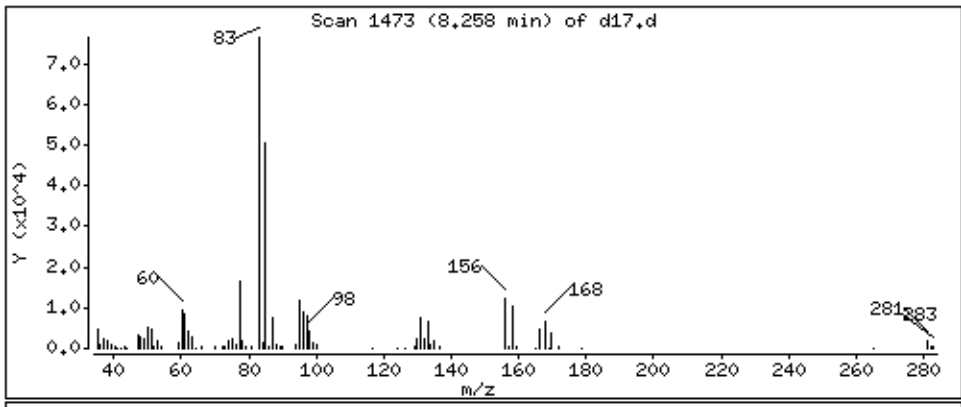
Column phase: DB-624

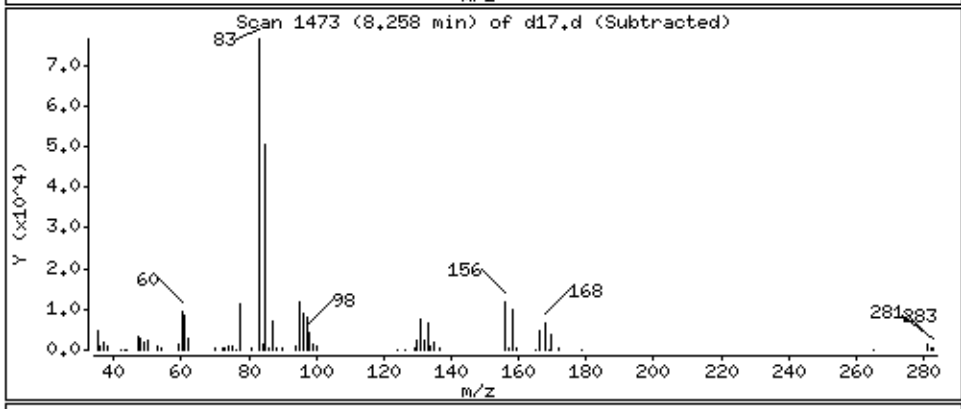
Column diameter: 0.18

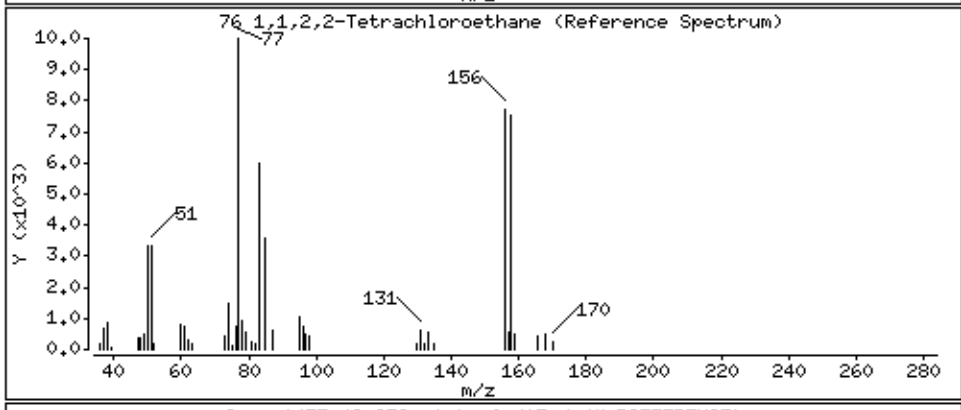
76 1,1,2,2-Tetrachloroethane

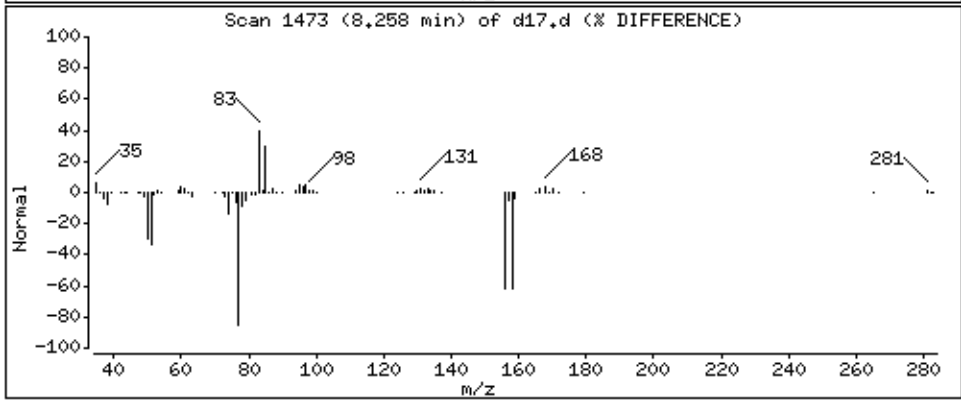
Concentration: 50.4 ppb

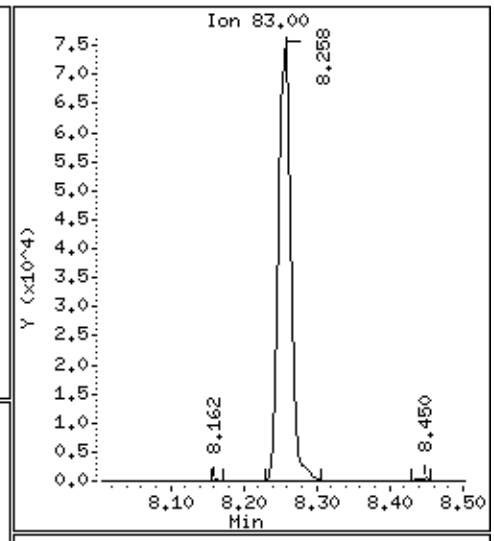
Review Code:

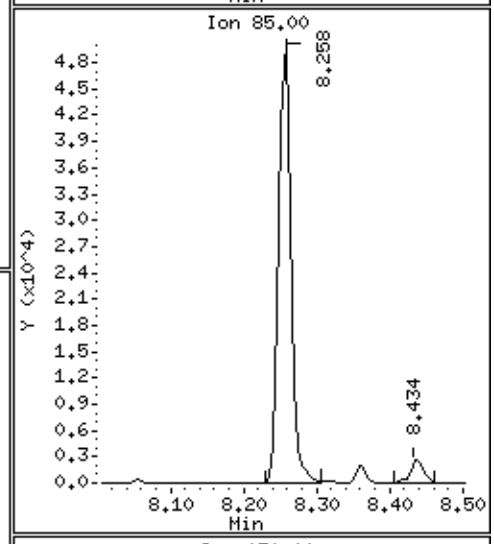


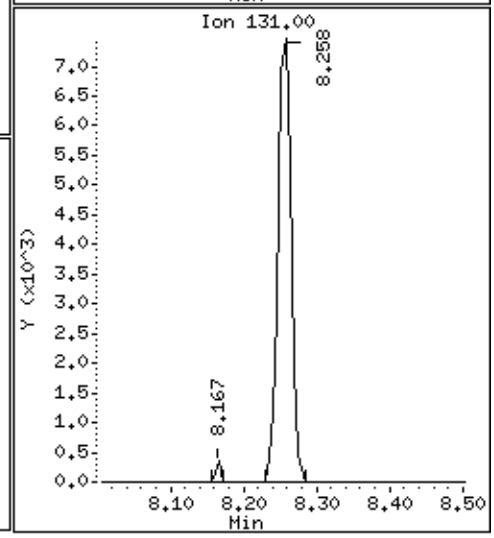












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

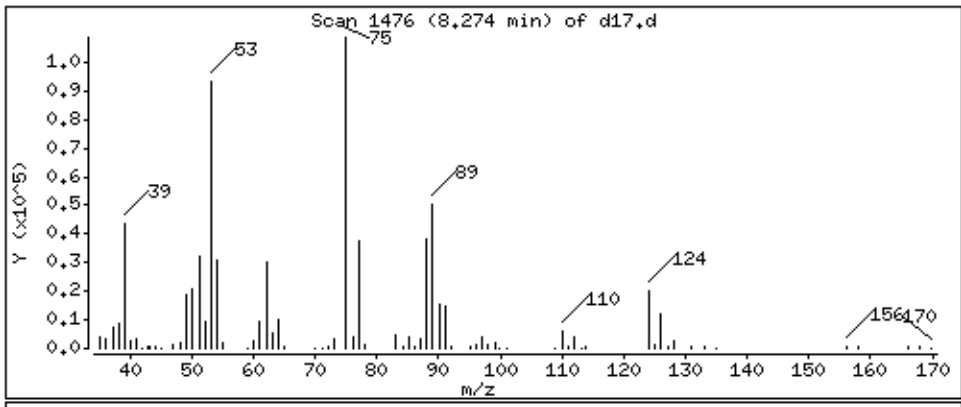
Column phase: DB-624

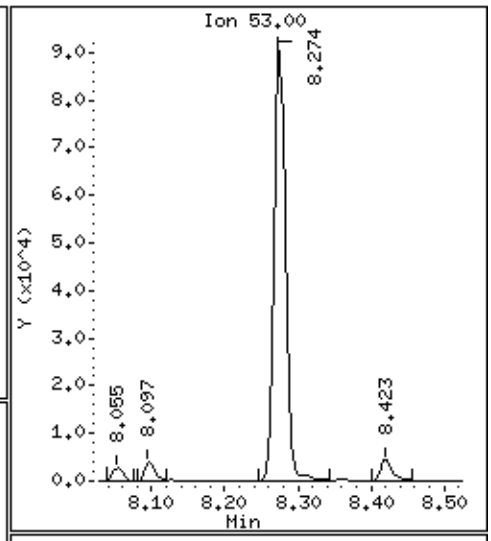
Column diameter: 0.18

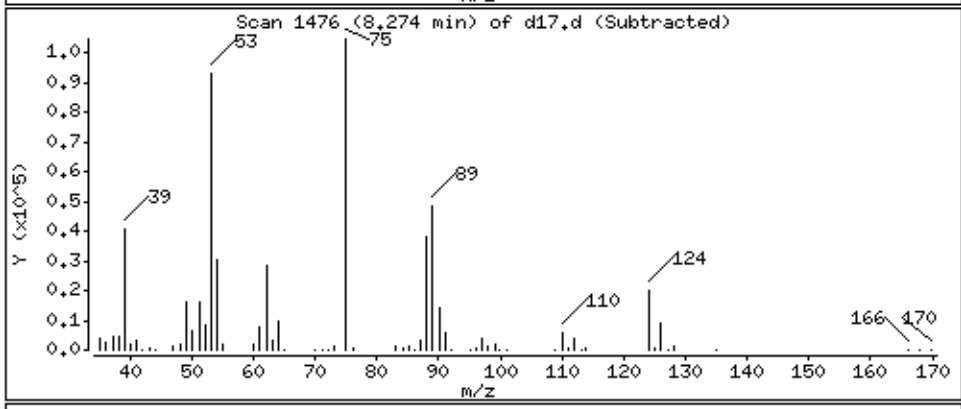
77 trans-1,4-Dichloro-2-butene

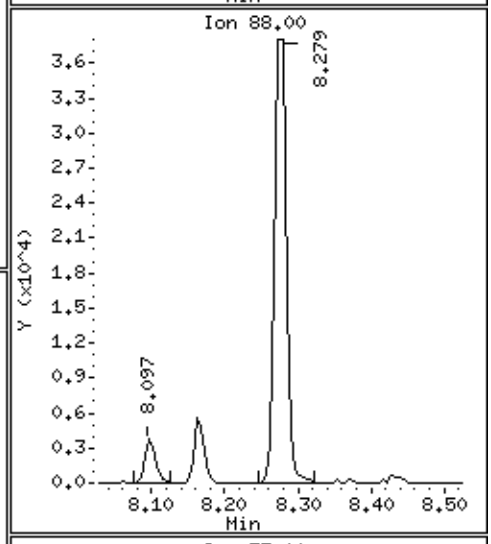
Concentration: 182 ppb

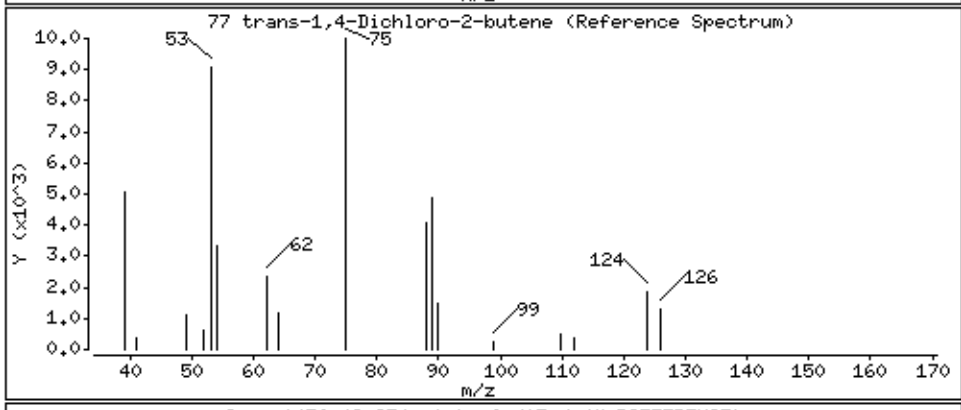
Review Code:

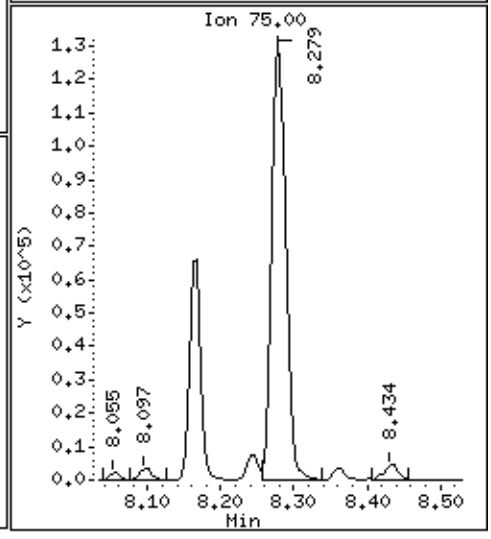


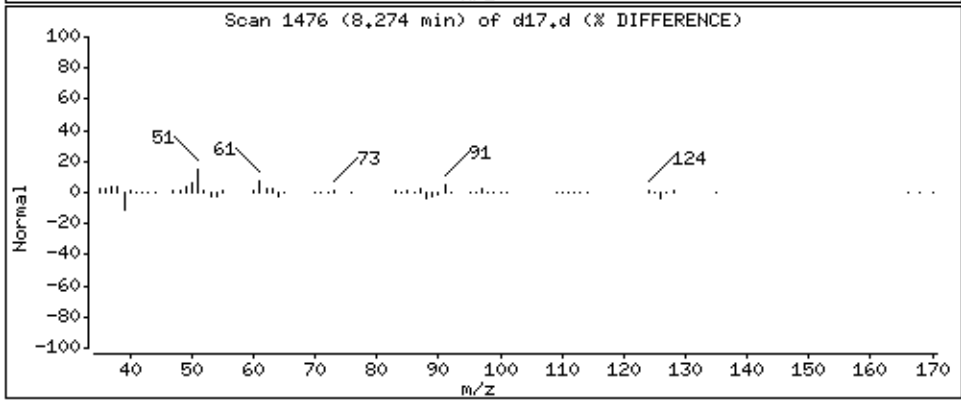












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

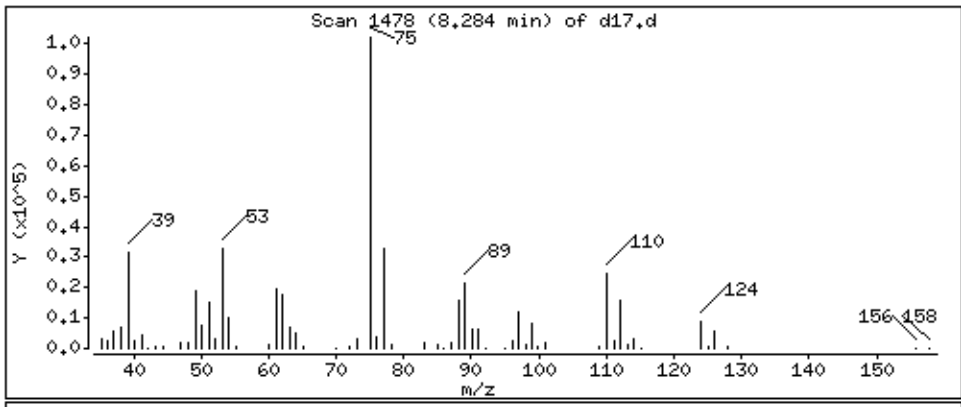
Column phase: DB-624

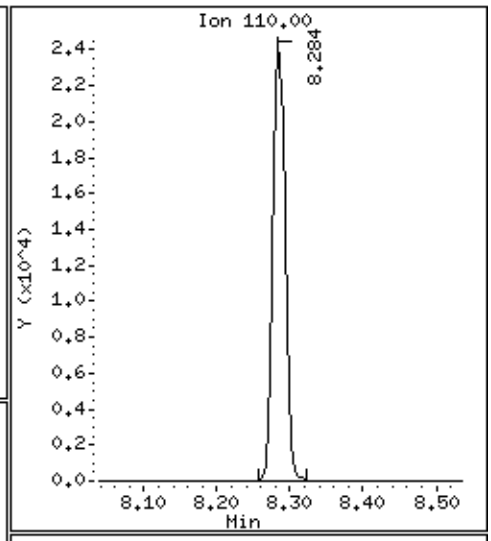
Column diameter: 0.18

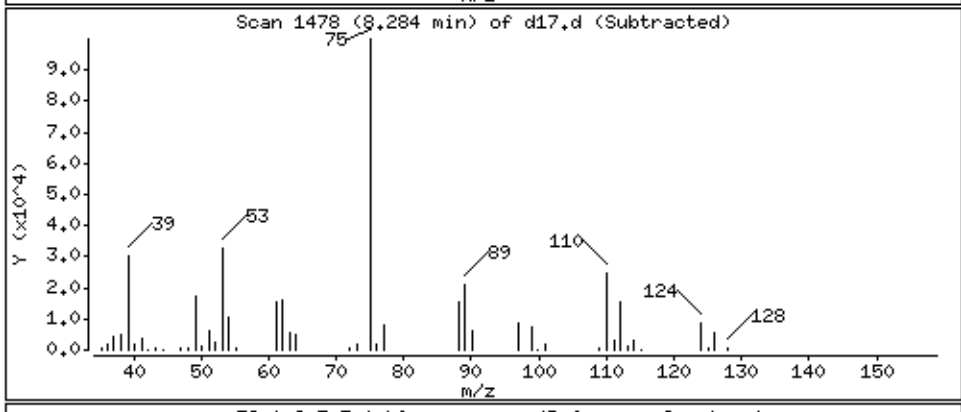
78 1,2,3-Trichloropropane

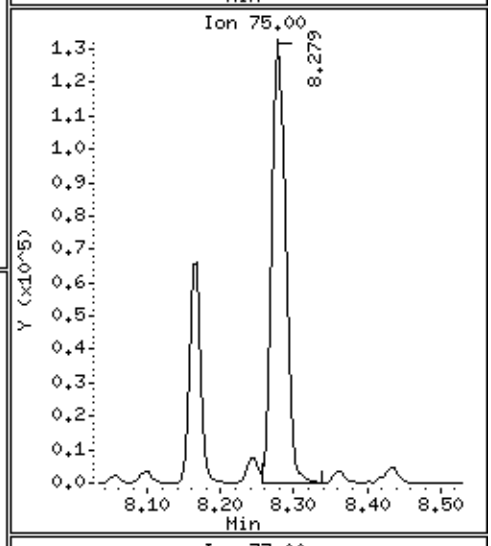
Concentration: 55.4 ppb

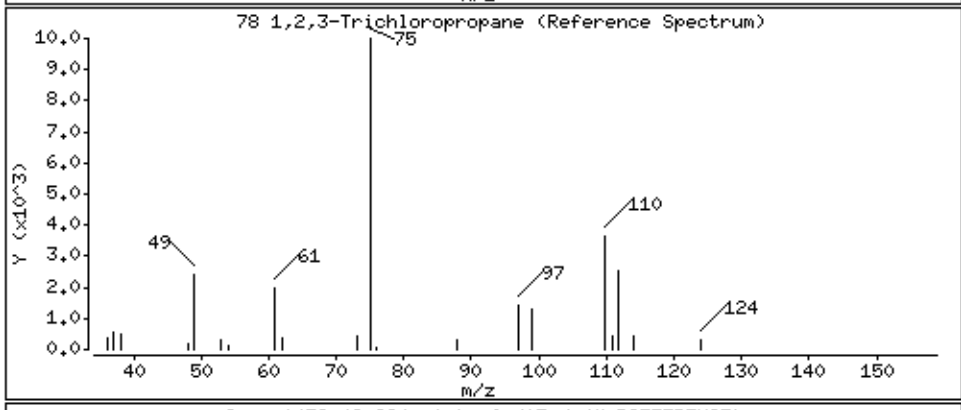
Review Code:

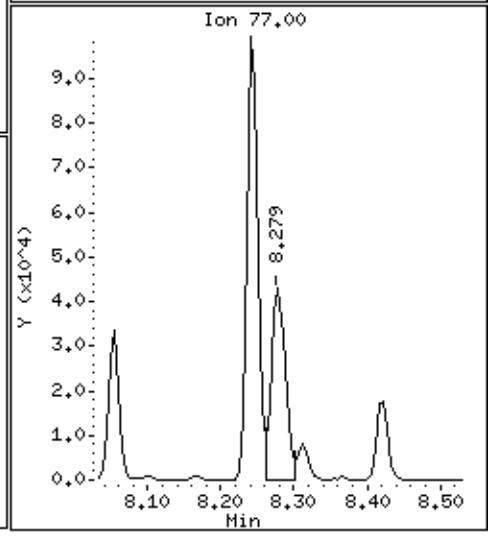


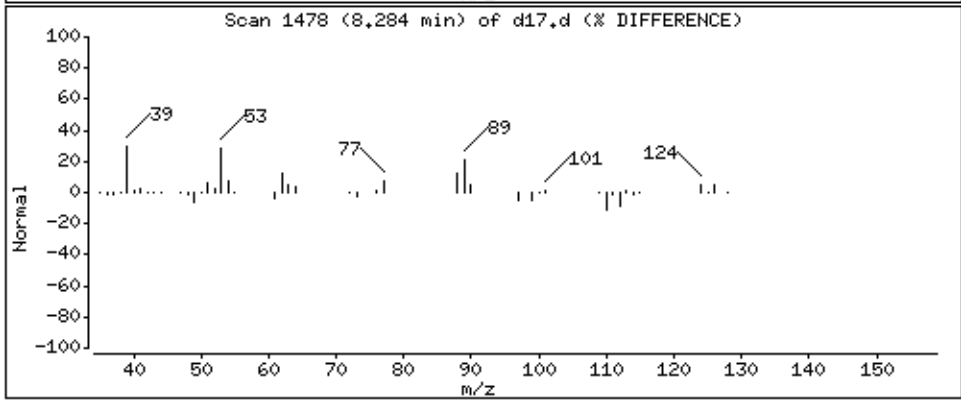












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

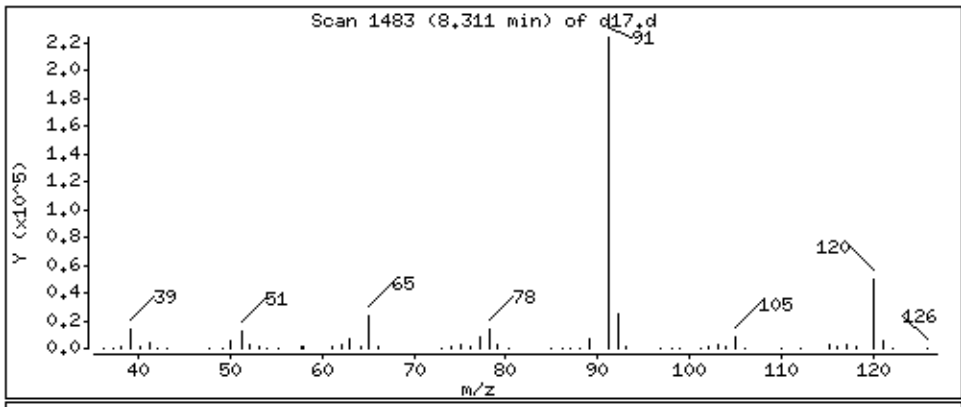
Column phase: DB-624

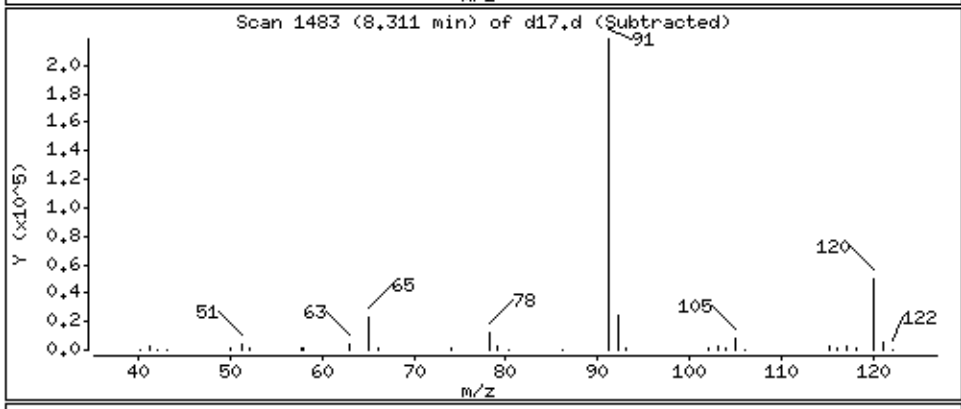
Column diameter: 0.18

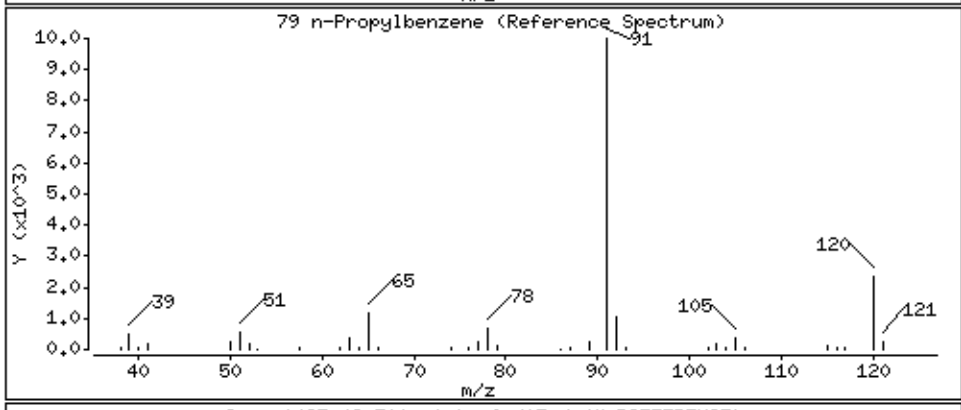
79 n-Propylbenzene

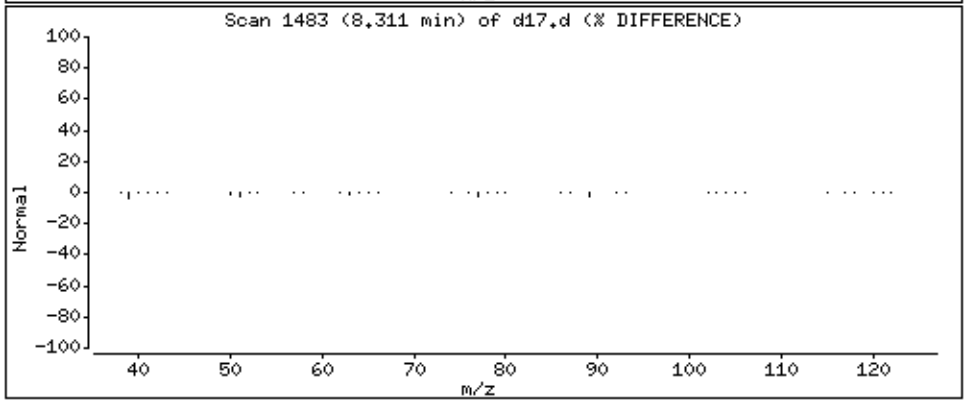
Concentration: 17.6 ppb

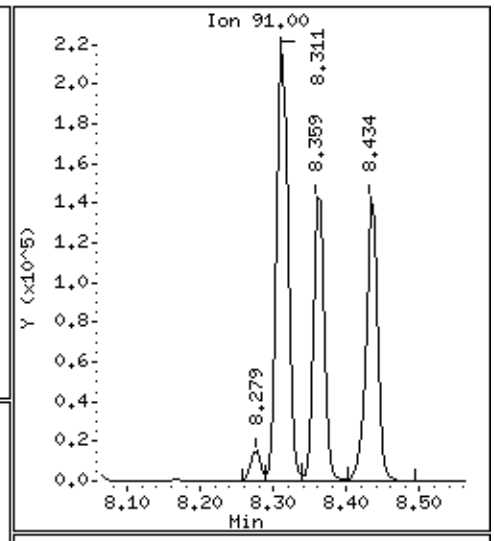
Review Code:

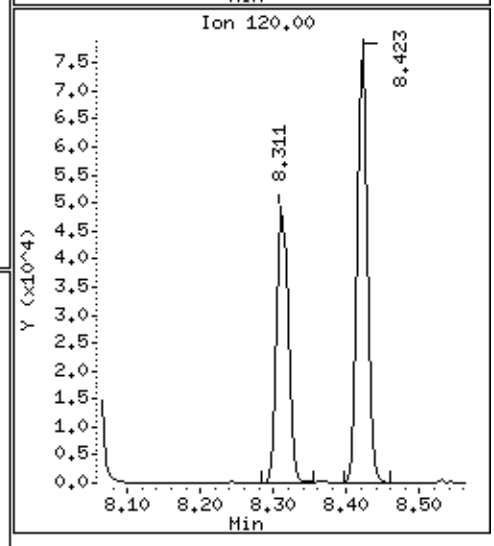












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

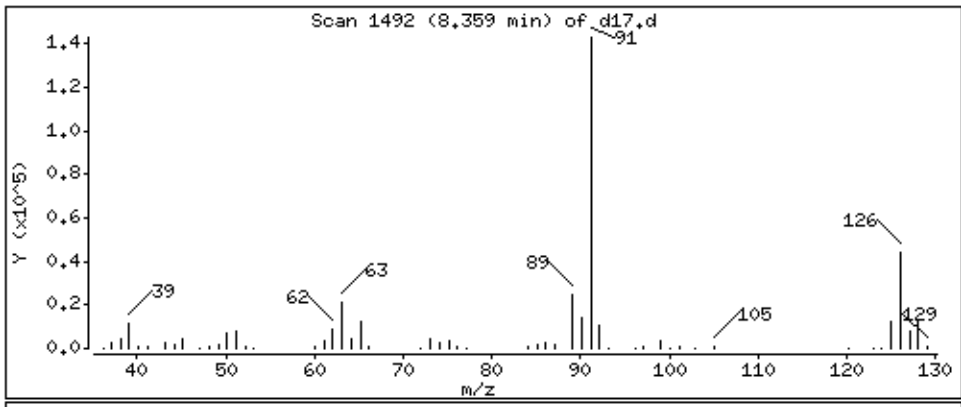
Column phase: DB-624

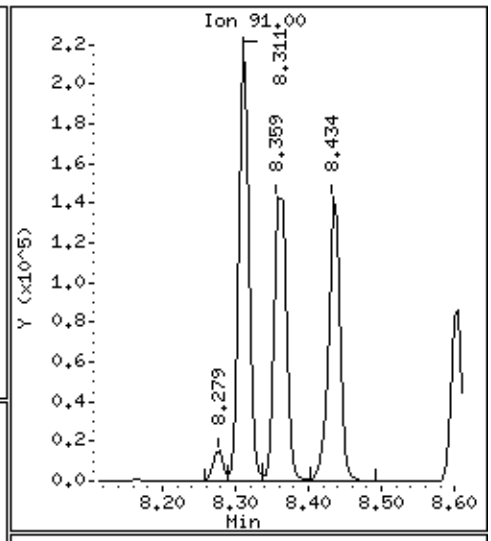
Column diameter: 0.18

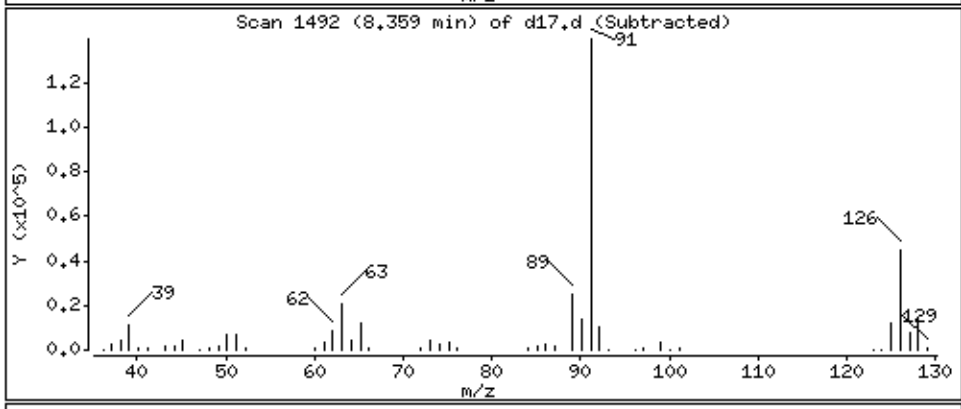
80 2-Chlorotoluene

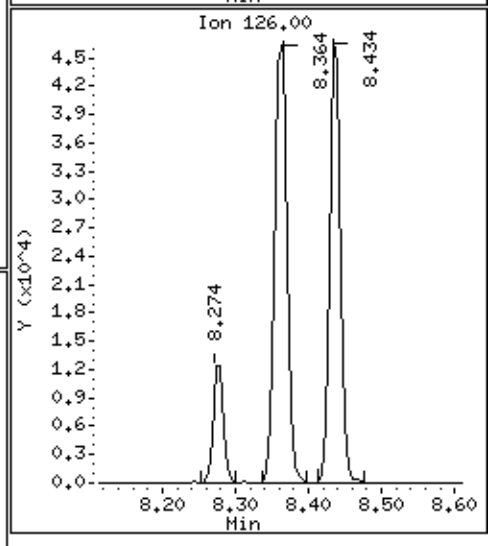
Concentration: 22.2 ppb

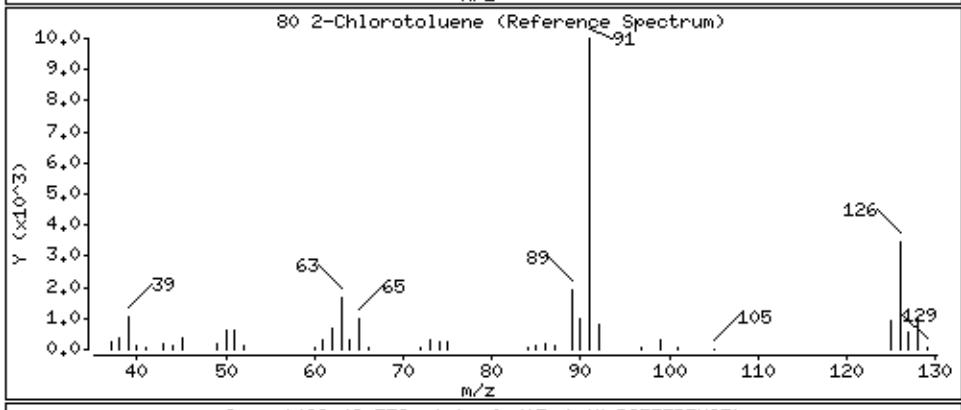
Review Code:

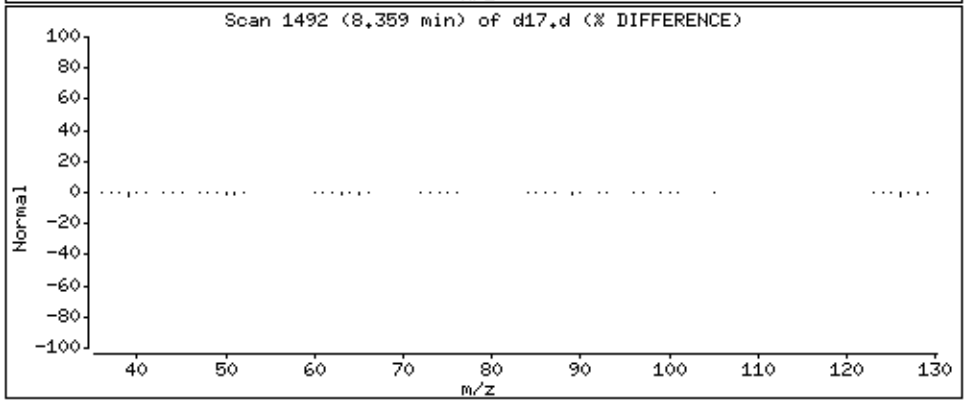












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

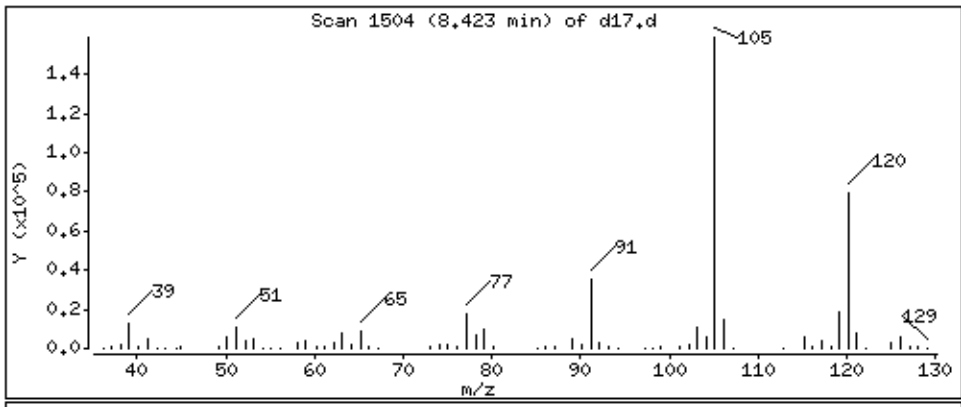
Column phase: DB-624

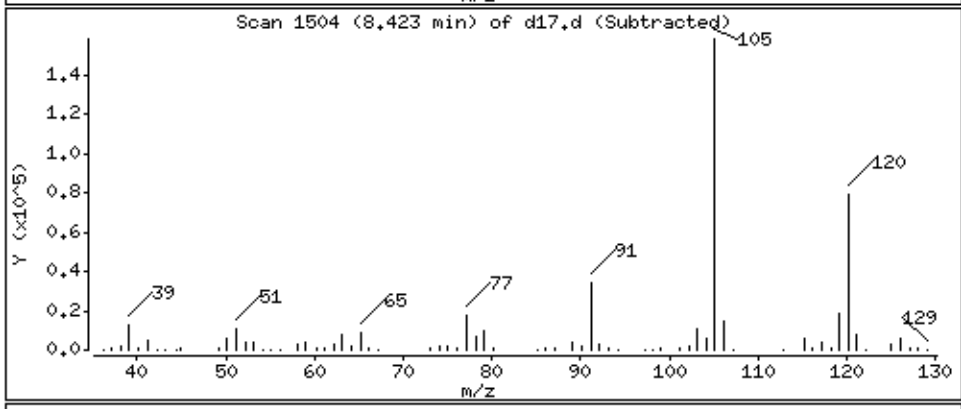
Column diameter: 0.18

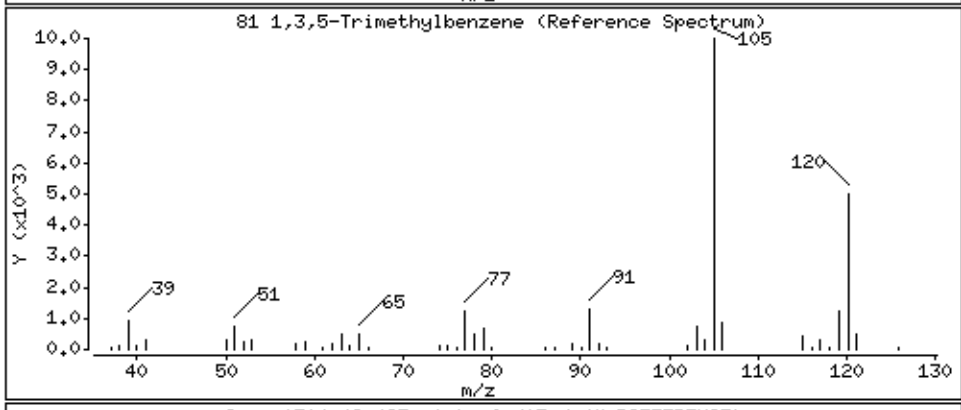
81 1,3,5-Trimethylbenzene

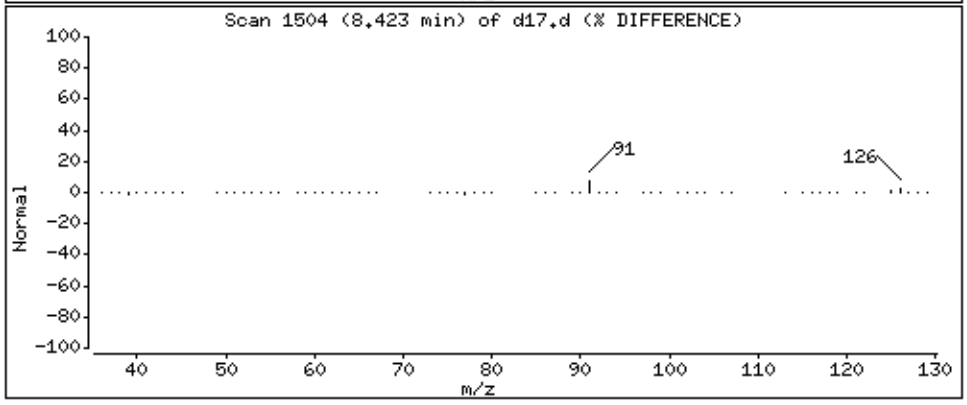
Concentration: 18.7 ppb

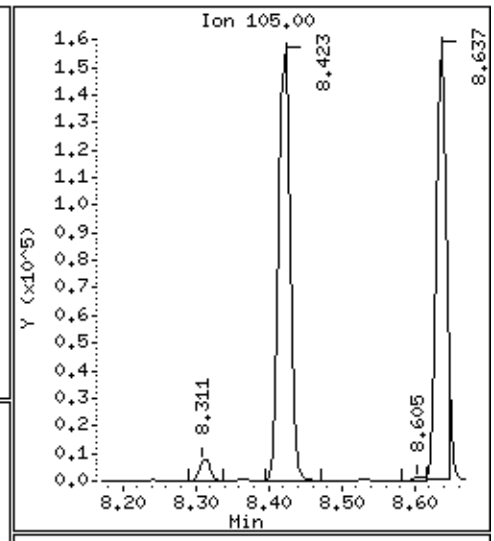
Review Code:

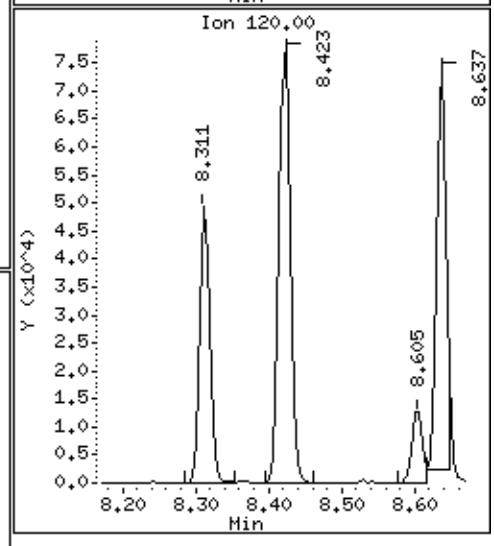












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

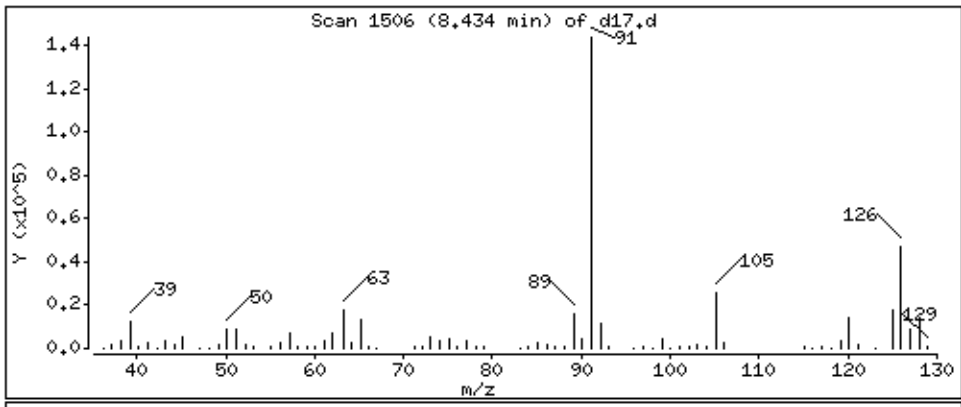
Column phase: DB-624

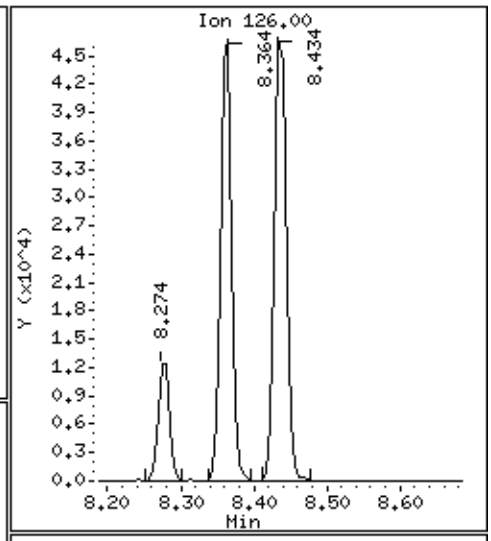
Column diameter: 0.18

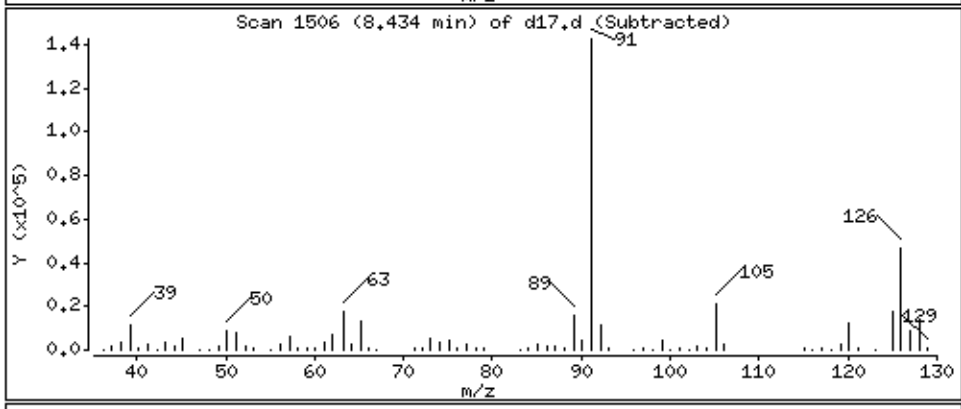
82 4-Chlorotoluene

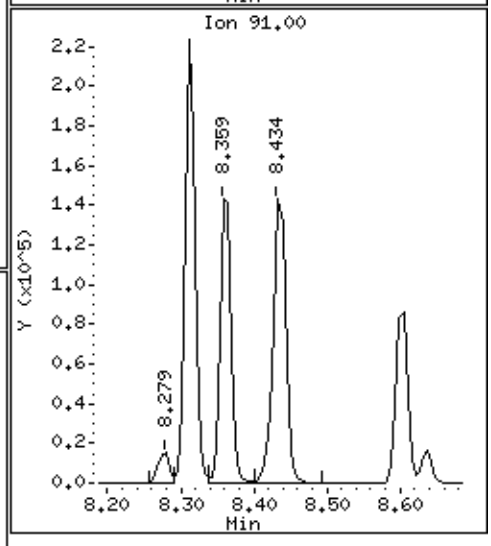
Concentration: 19.7 ppb

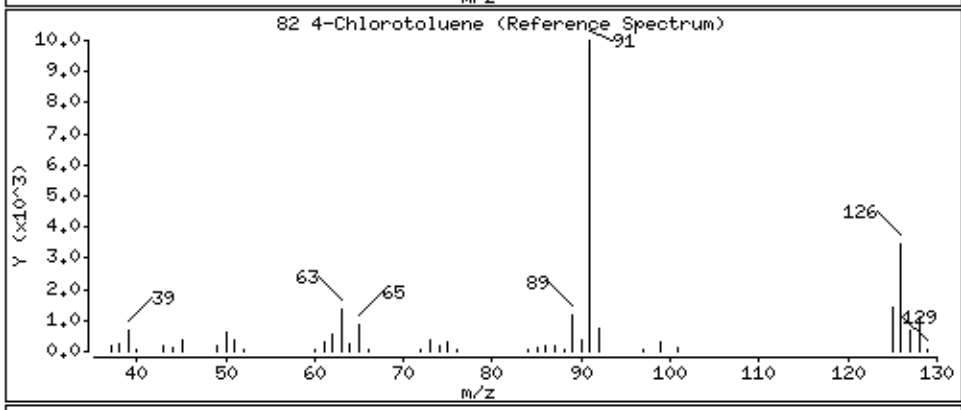
Review Code:

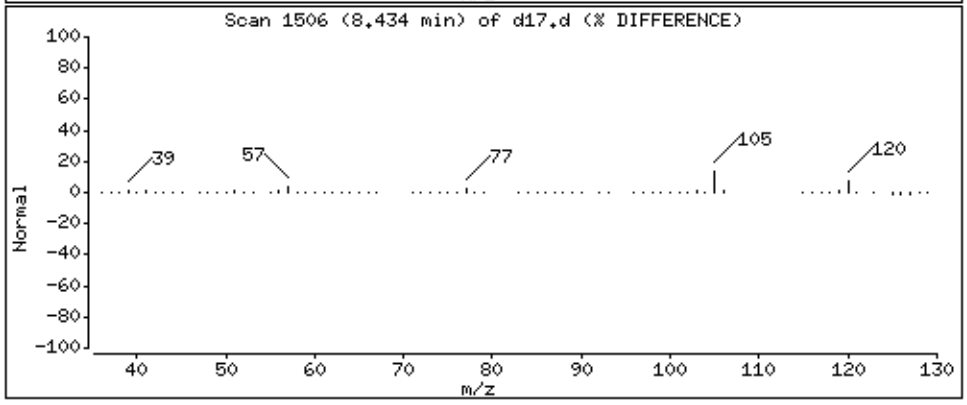












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

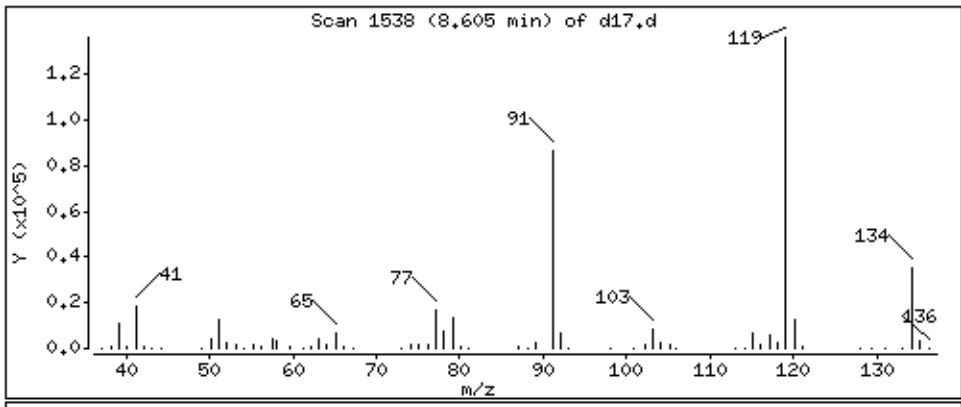
Column phase: DB-624

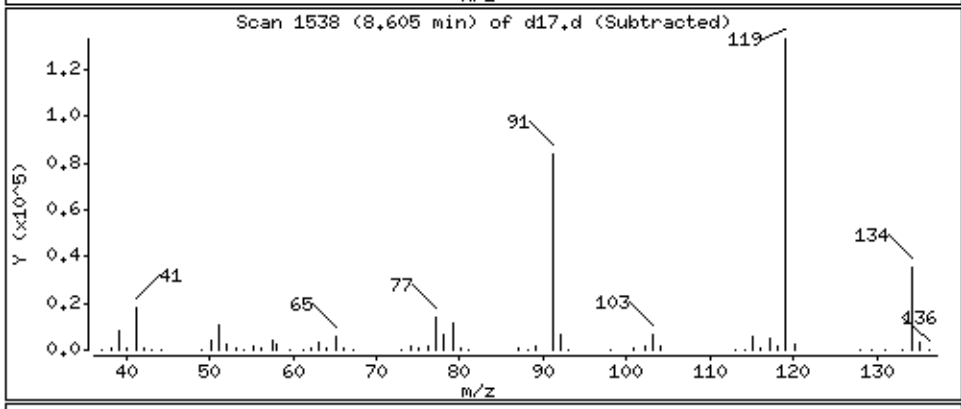
Column diameter: 0.18

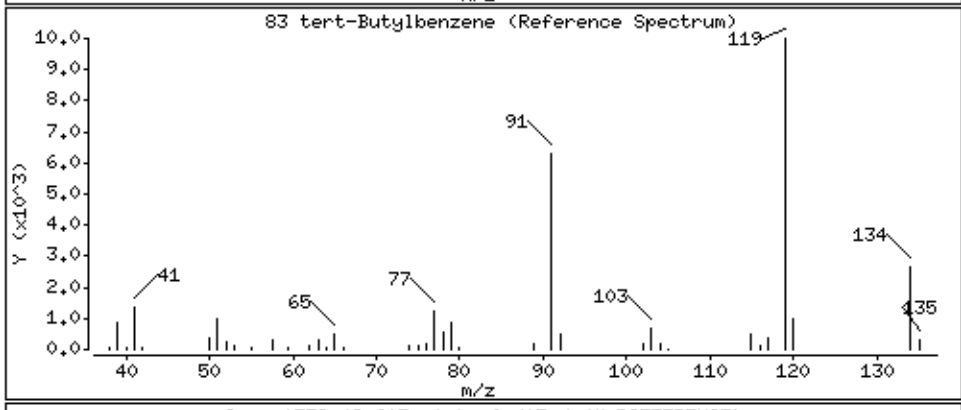
83 tert-Butylbenzene

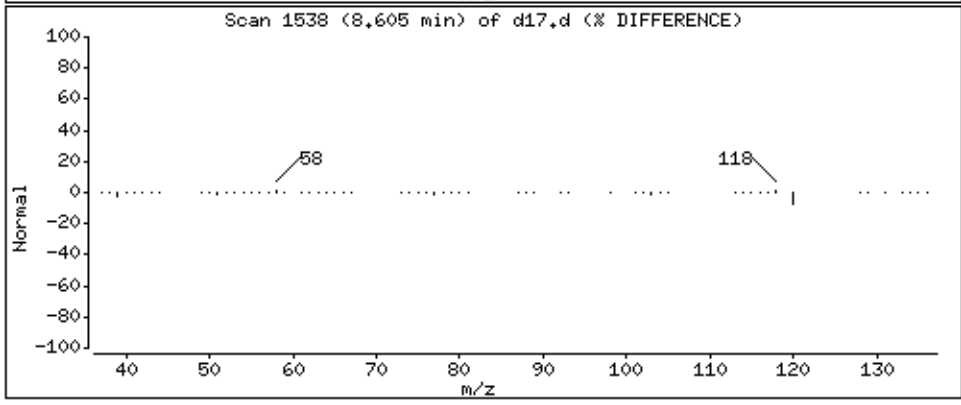
Concentration: 14.3 ppb

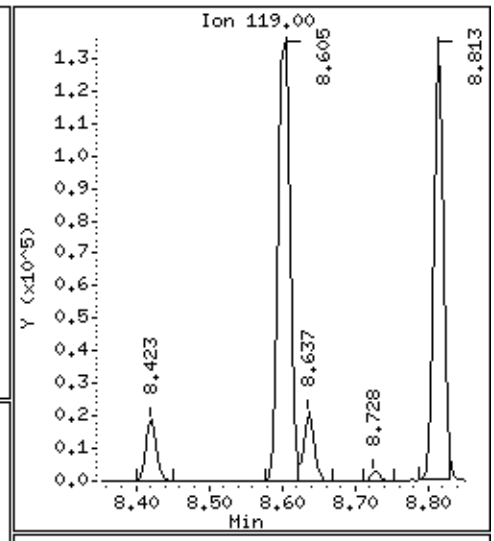
Review Code:

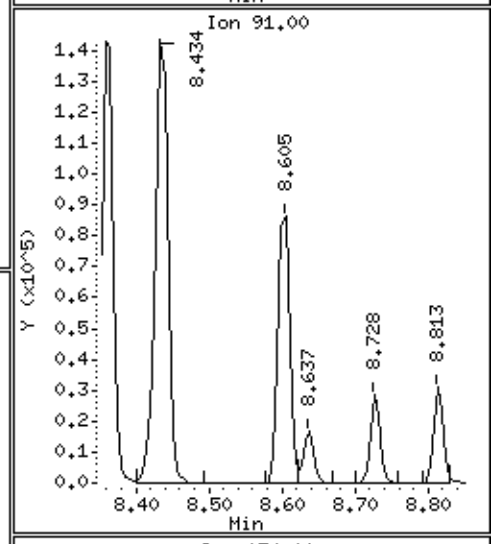


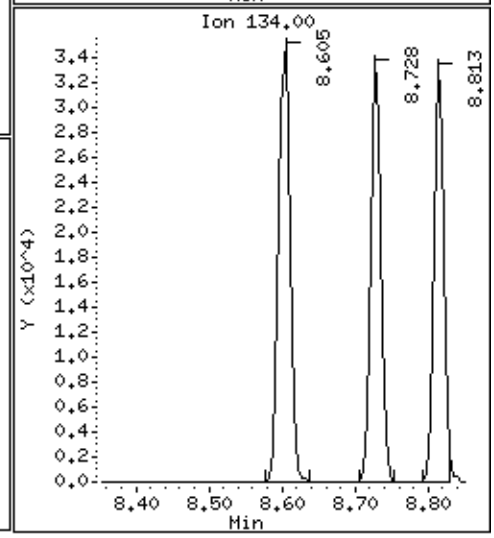












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

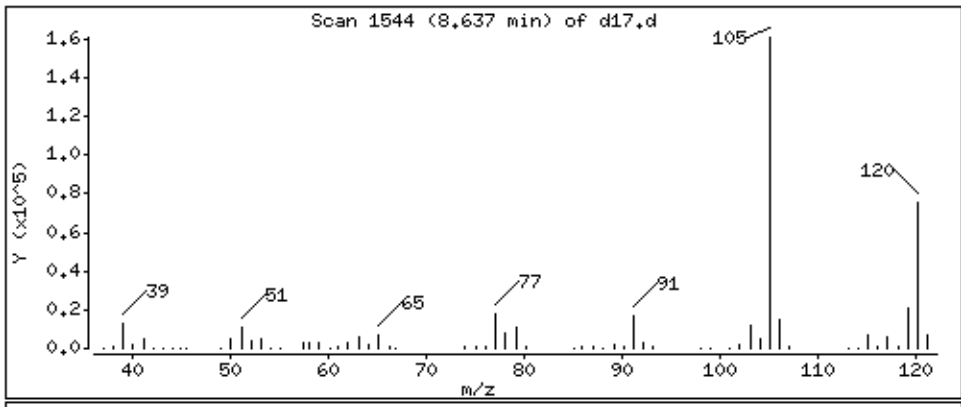
Column phase: DB-624

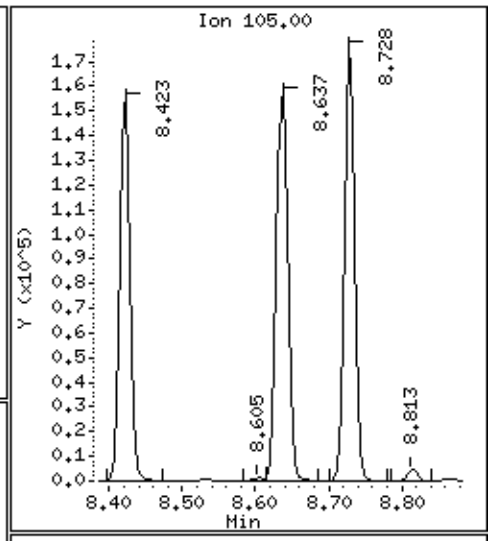
Column diameter: 0.18

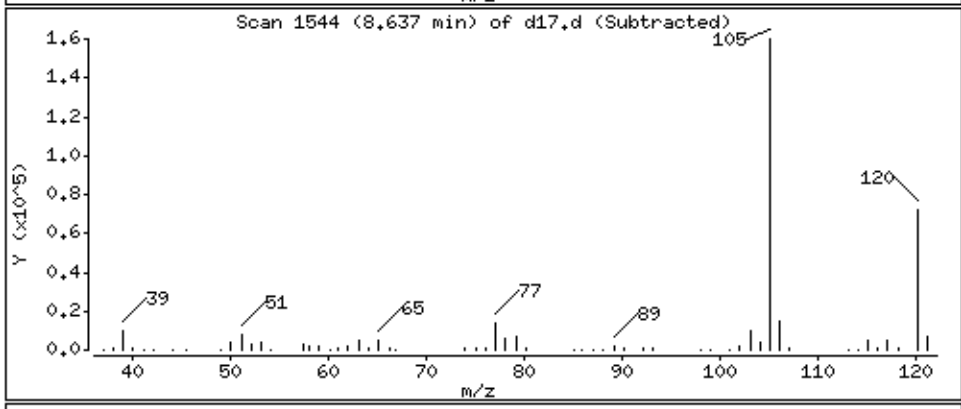
84 1,2,4-Trimethylbenzene

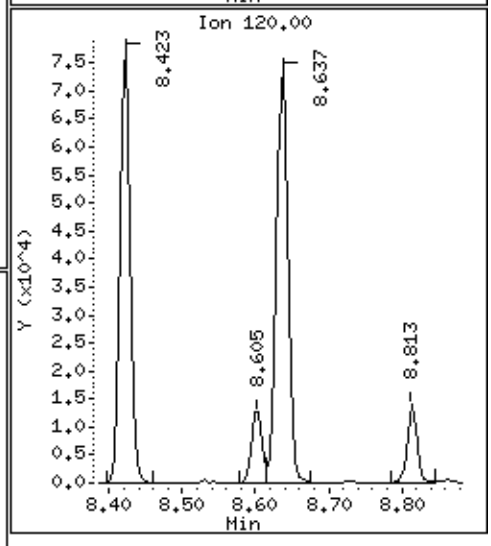
Concentration: 18.7 ppb

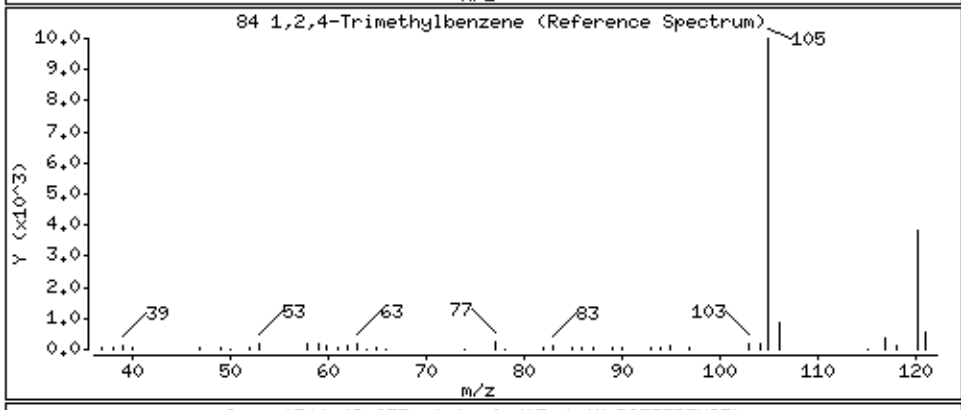
Review Code:

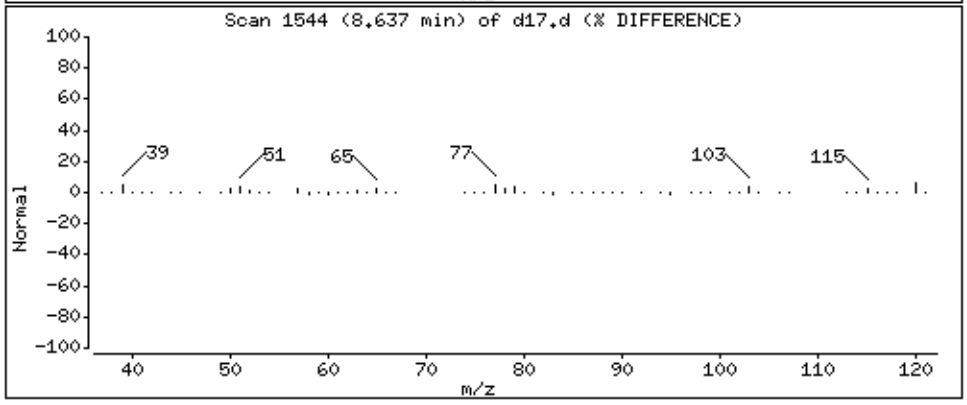












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

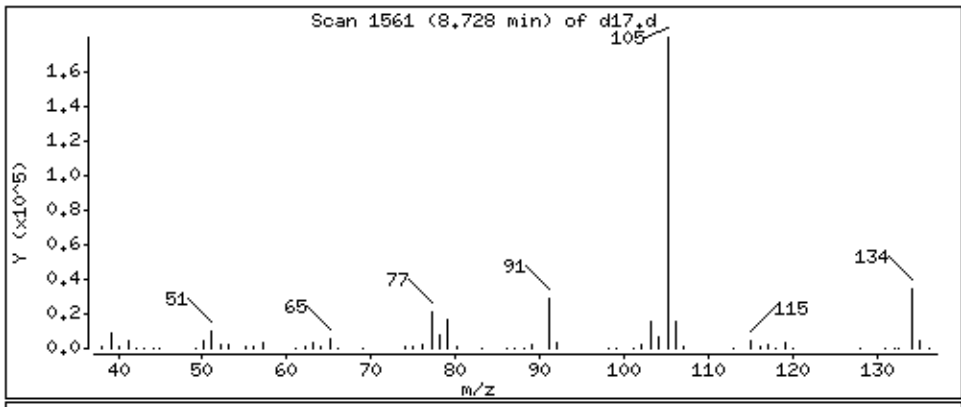
Column phase: DB-624

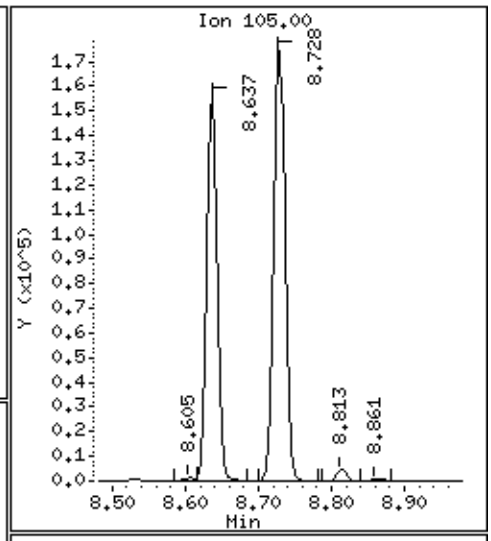
Column diameter: 0.18

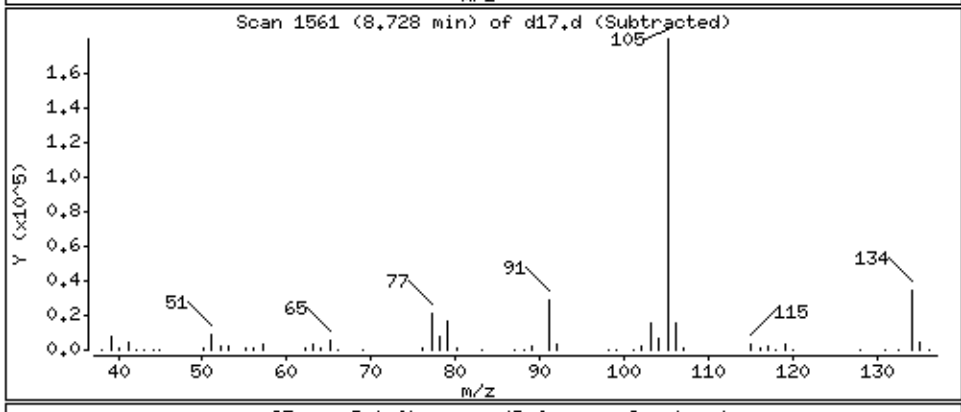
85 sec-Butylbenzene

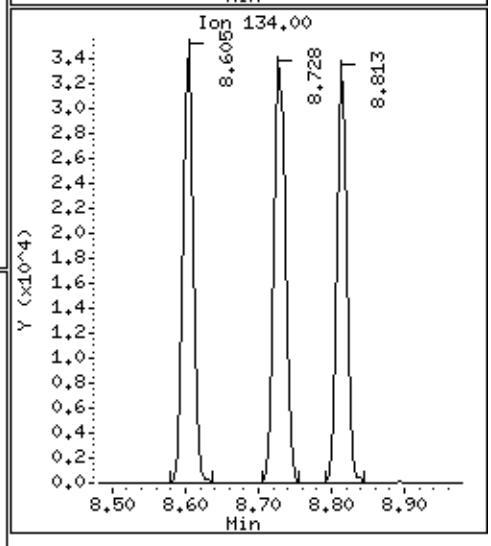
Concentration: 15.0 ppb

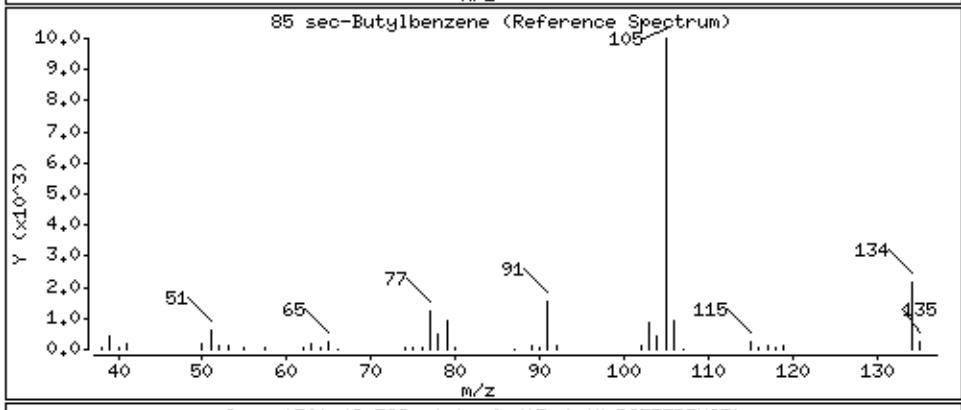
Review Code:

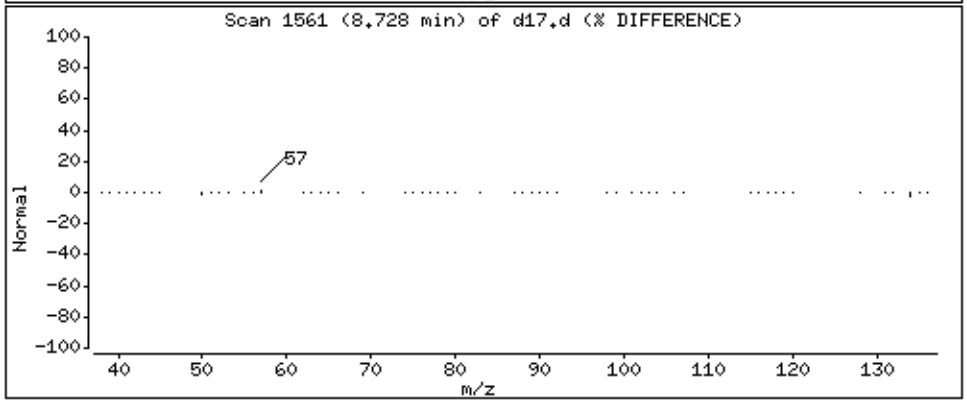












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

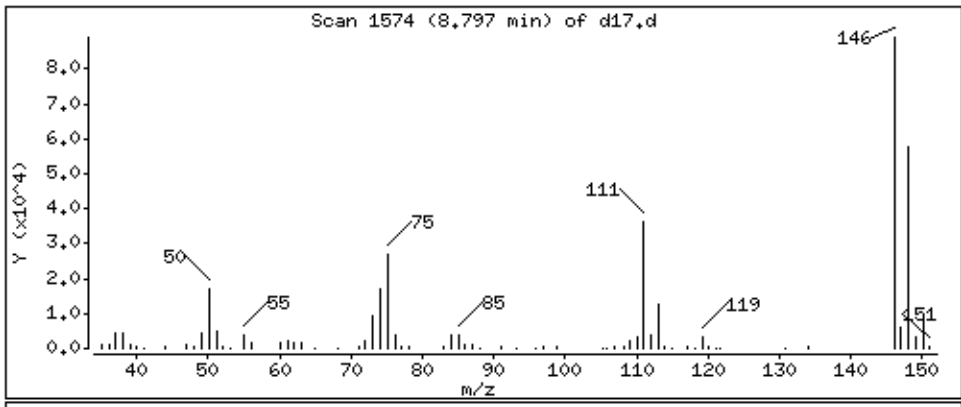
Column phase: DB-624

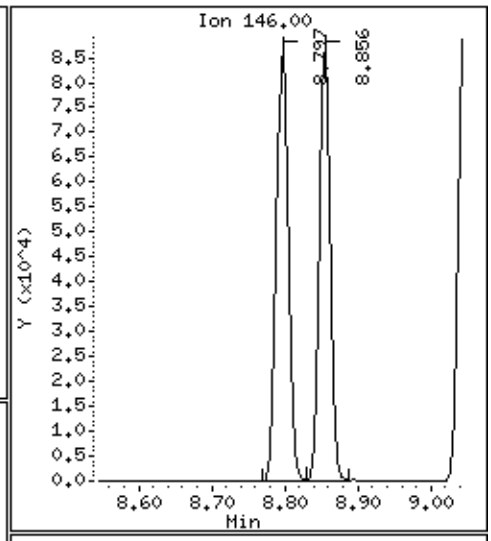
Column diameter: 0.18

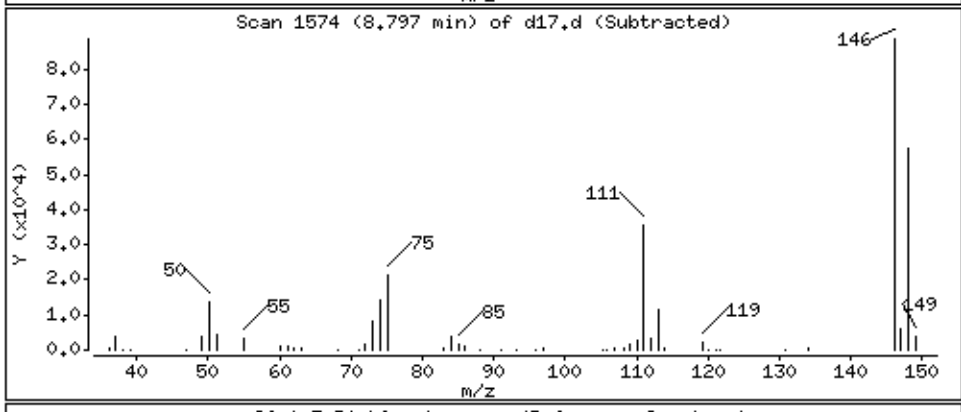
86 1,3-Dichlorobenzene

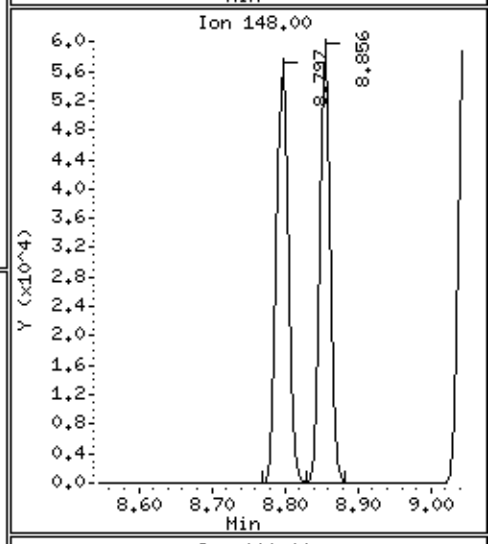
Concentration: 19.8 ppb

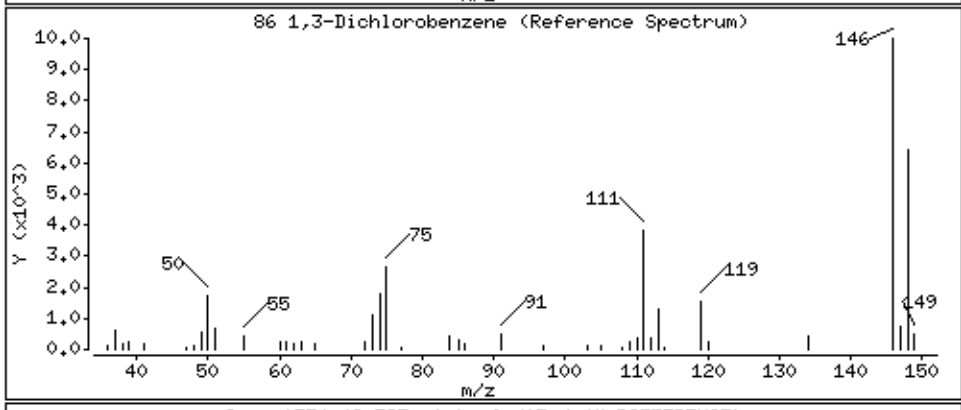
Review Code:

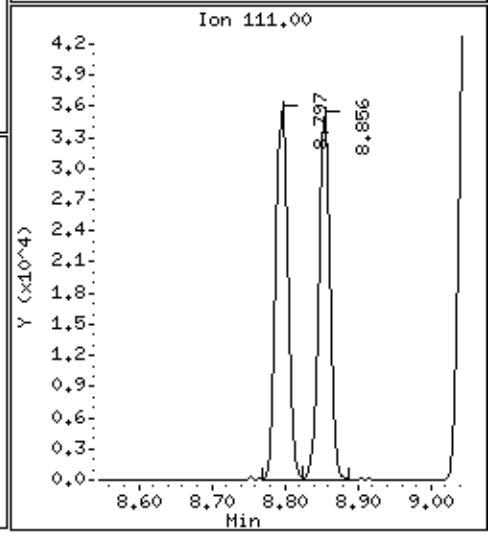


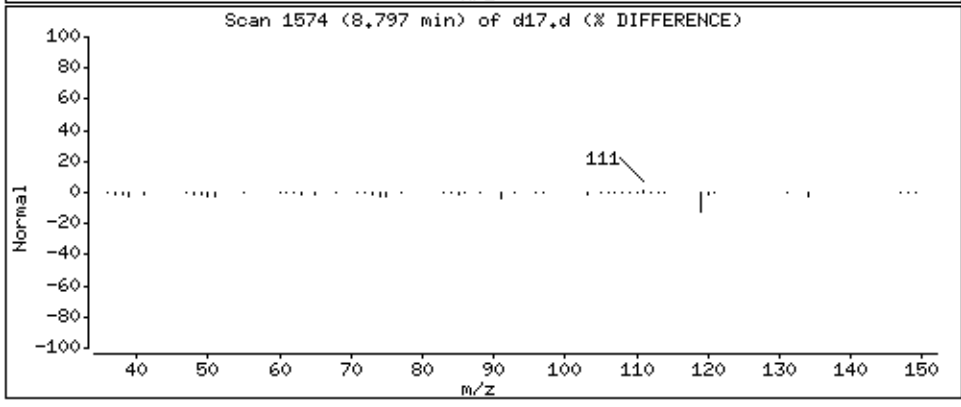












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

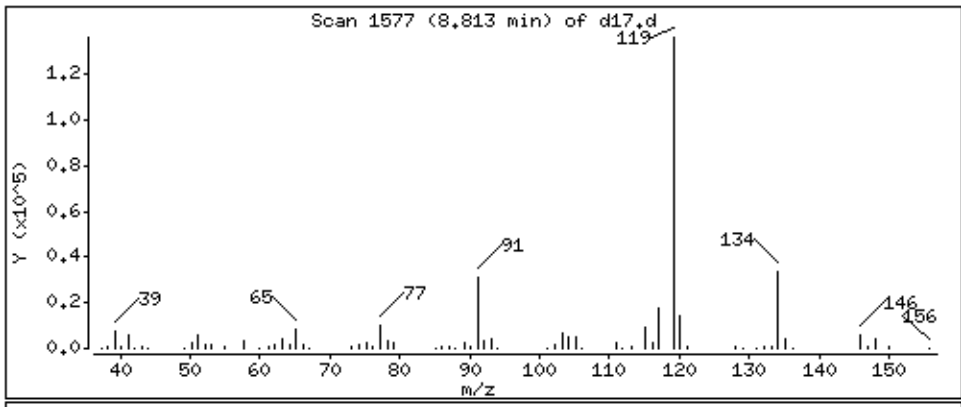
Column phase: DB-624

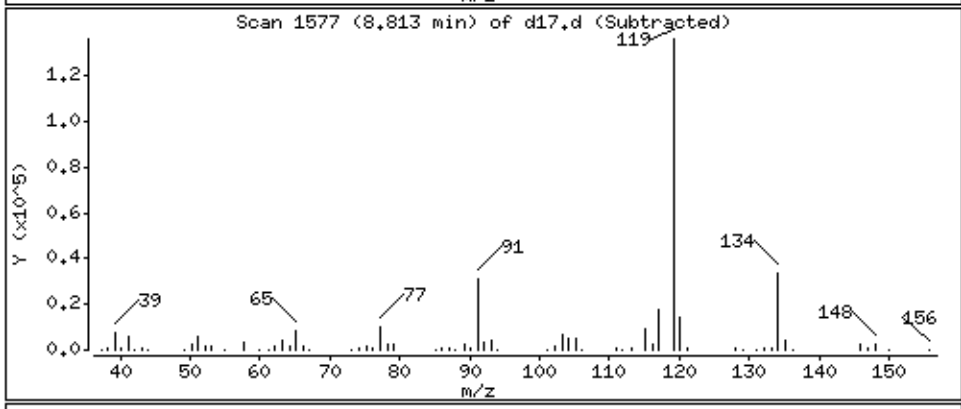
Column diameter: 0.18

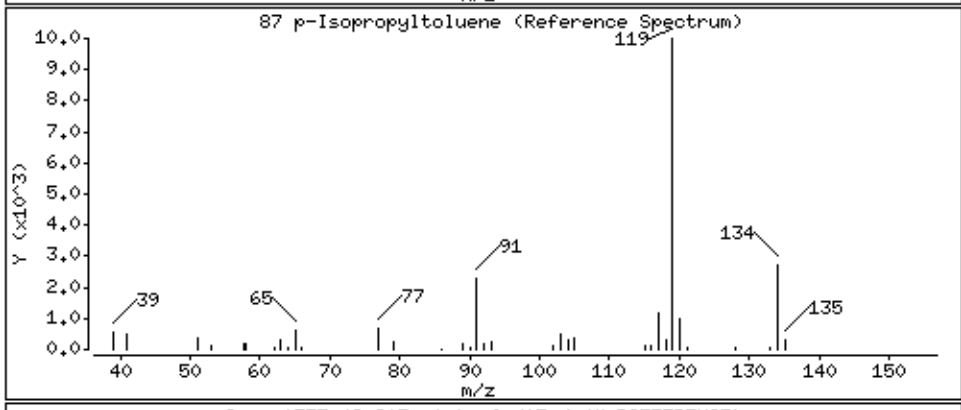
87 p-Isopropyltoluene

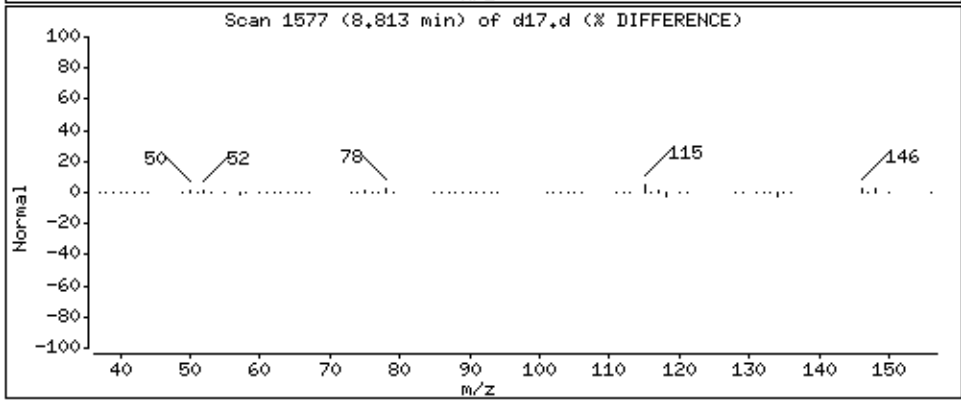
Concentration: 13.1 ppb

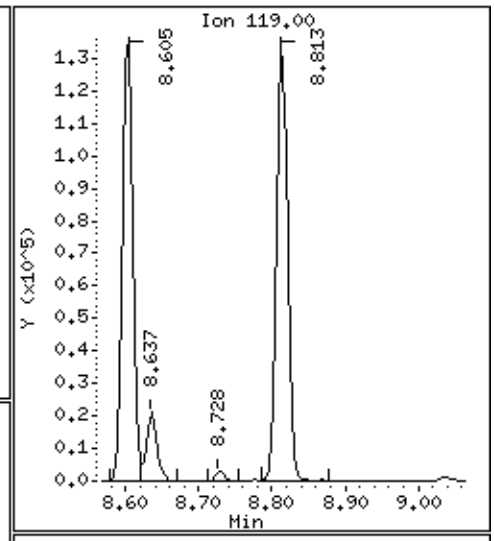
Review Code:

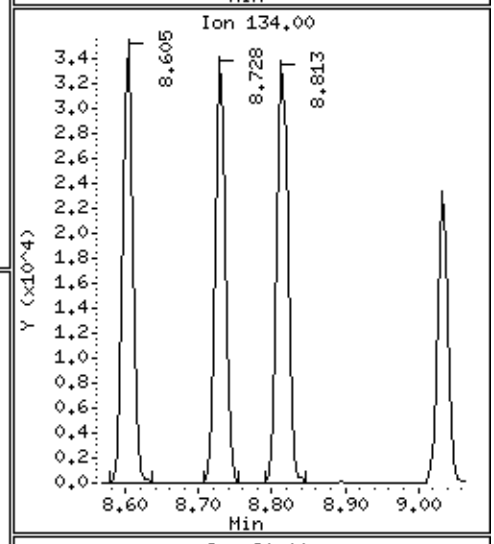


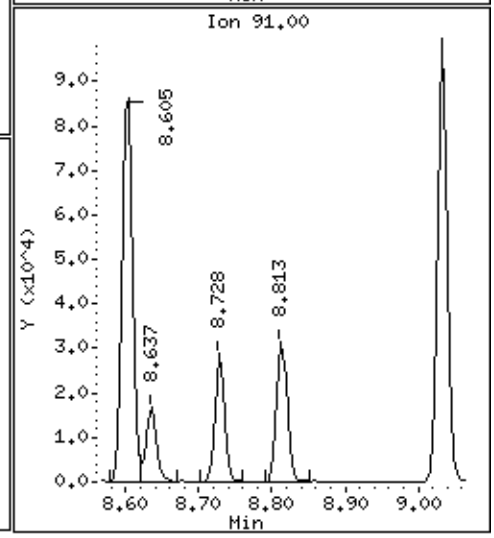












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

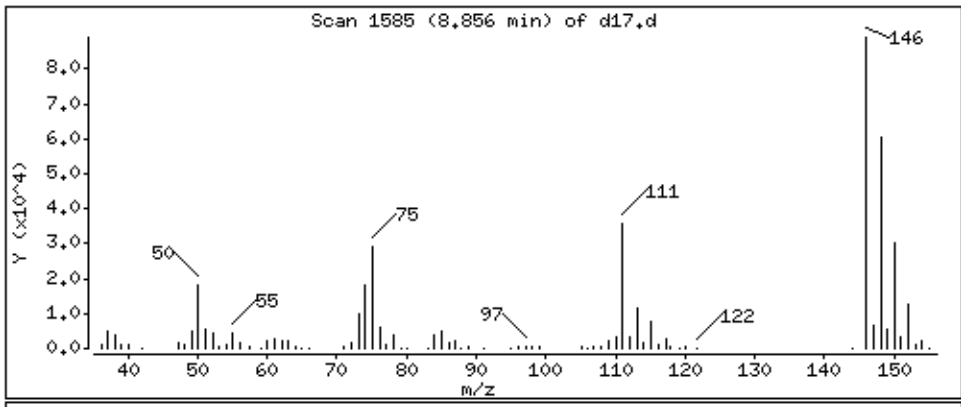
Column phase: DB-624

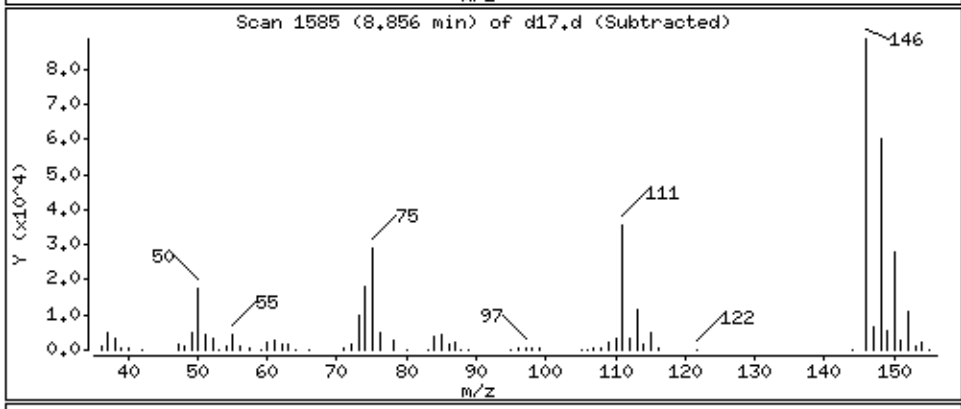
Column diameter: 0.18

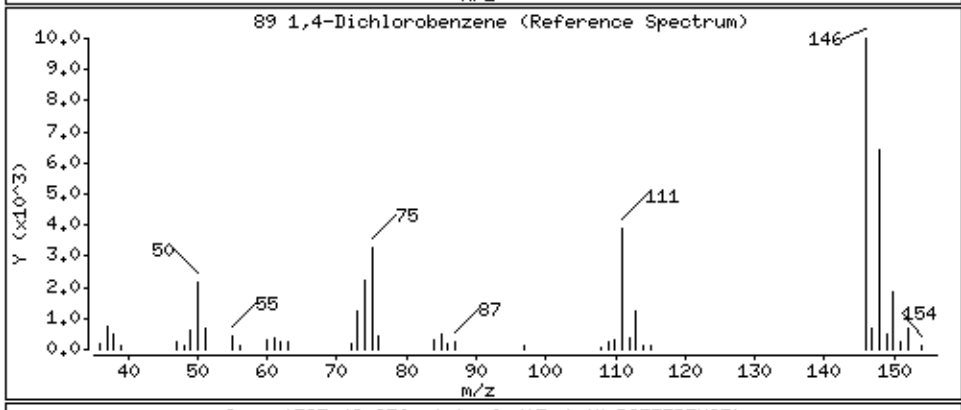
89 1,4-Dichlorobenzene

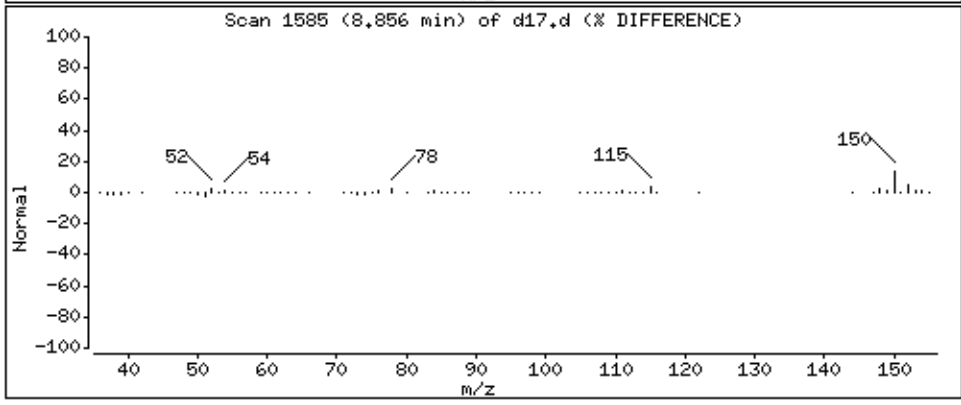
Concentration: 19.6 ppb

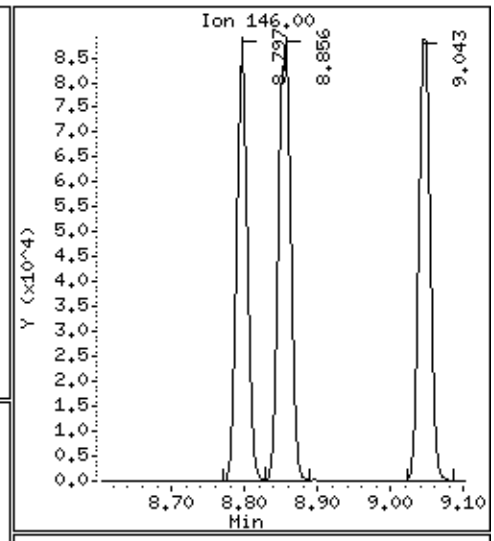
Review Code:

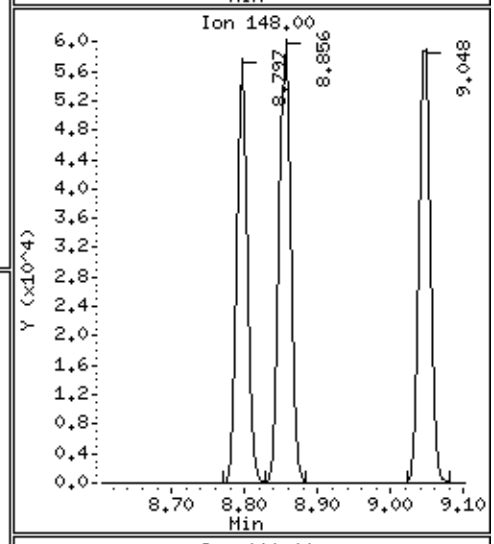


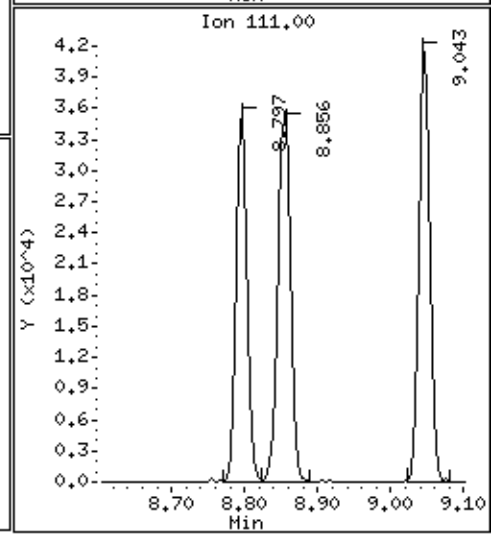












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

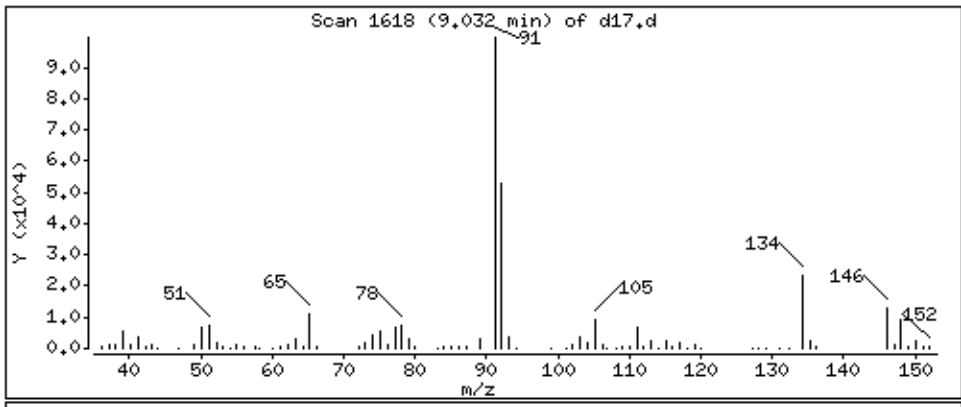
Column phase: DB-624

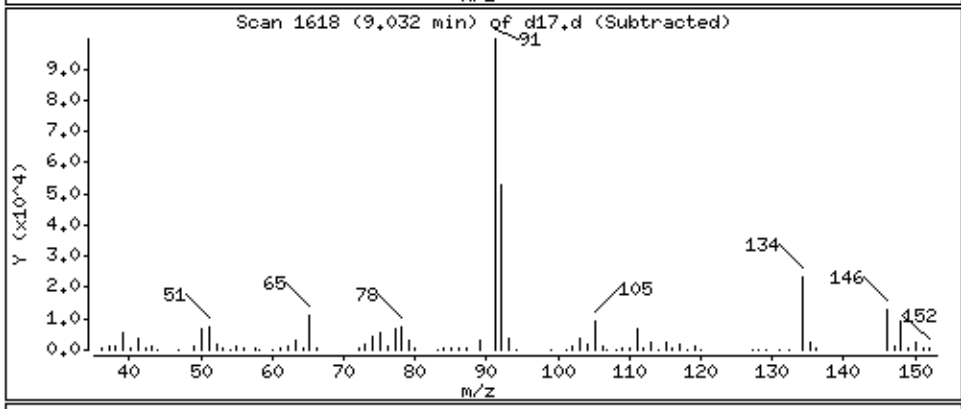
Column diameter: 0.18

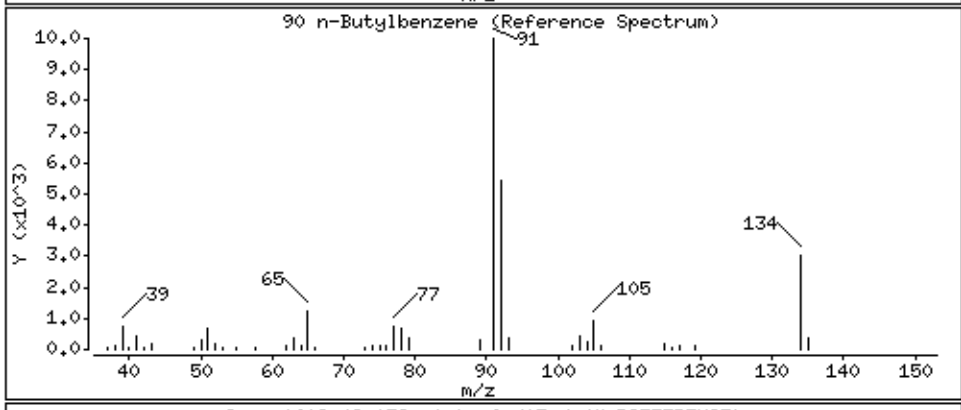
90 n-Butylbenzene

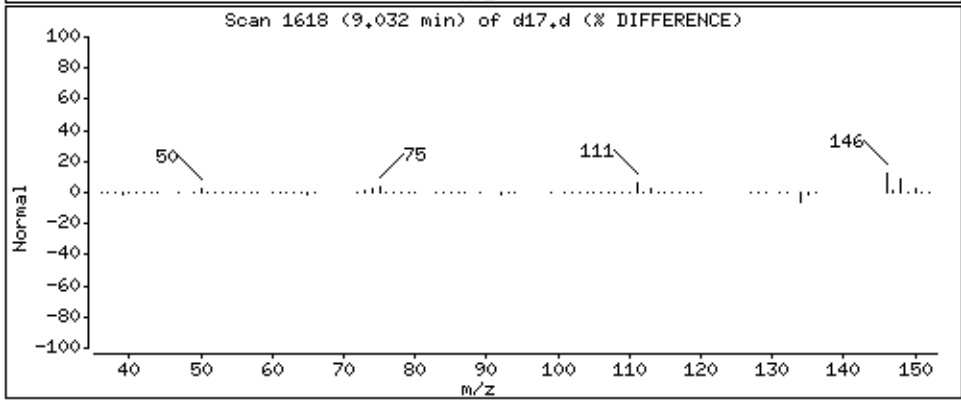
Concentration: 10.4 ppb

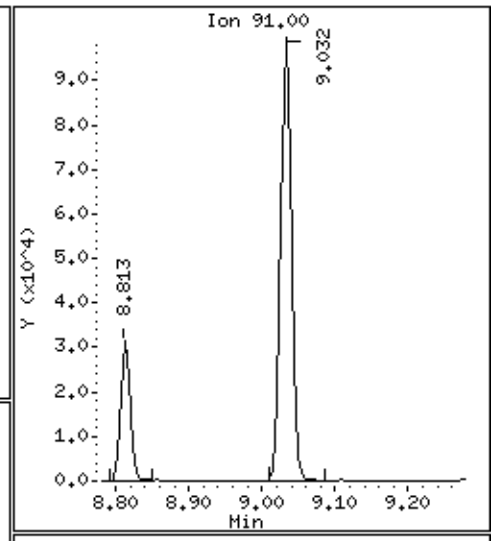
Review Code:

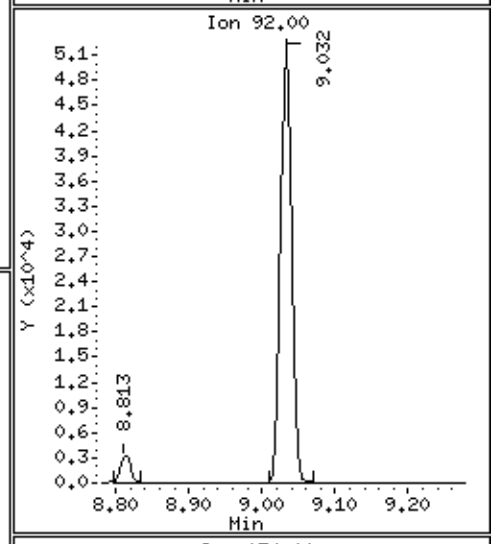


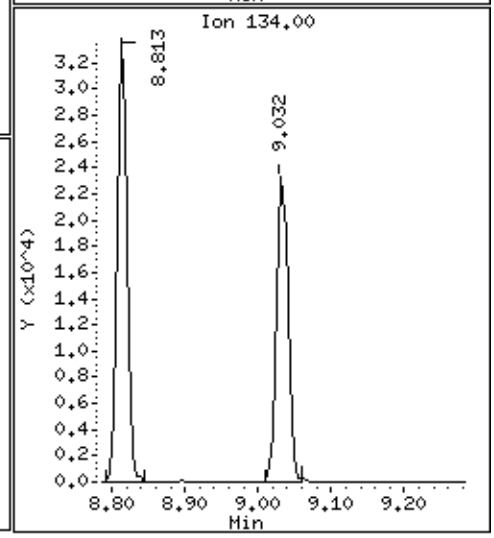












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

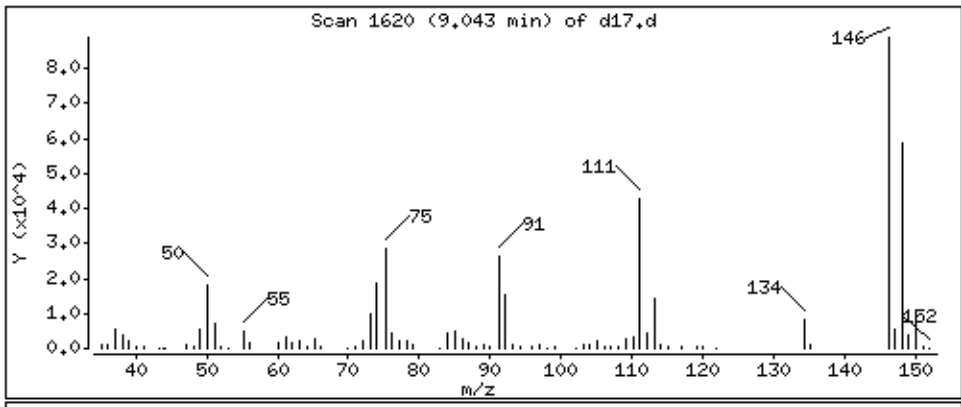
Column phase: DB-624

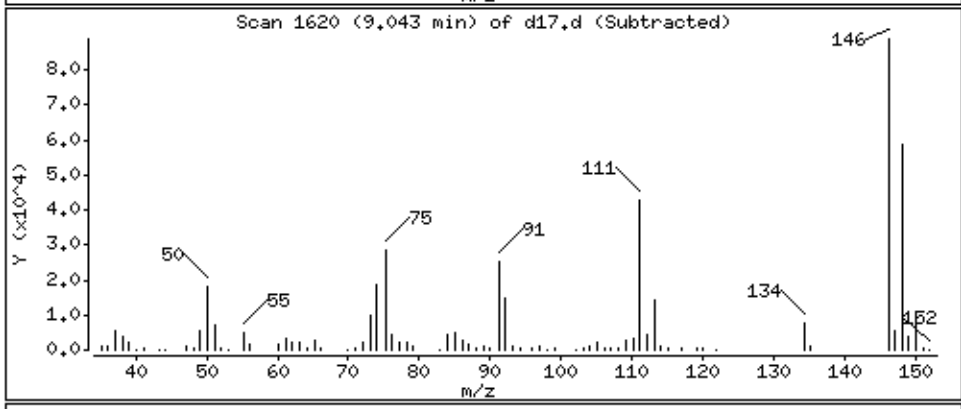
Column diameter: 0.18

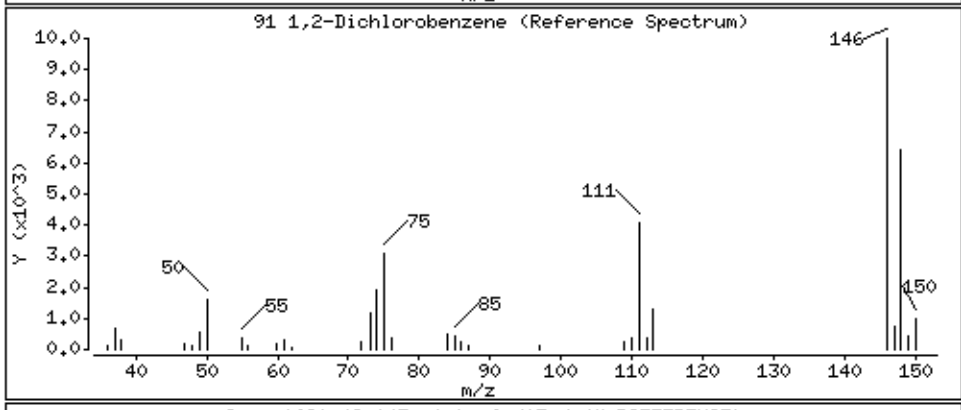
91 1,2-Dichlorobenzene

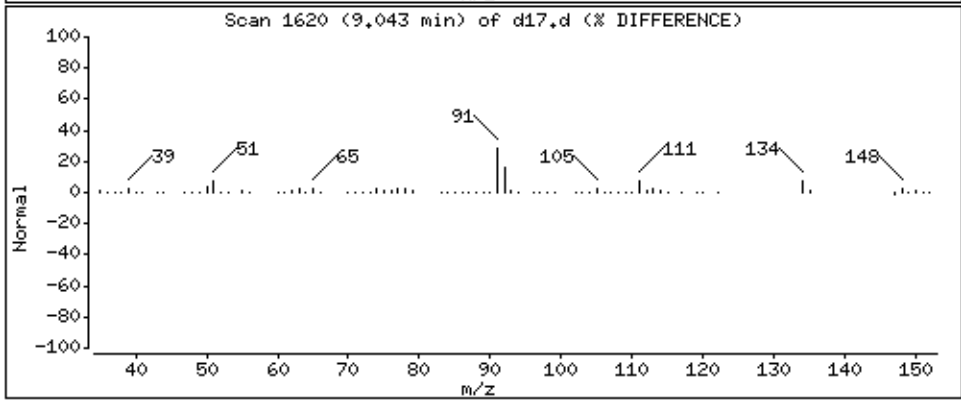
Concentration: 23.8 ppb

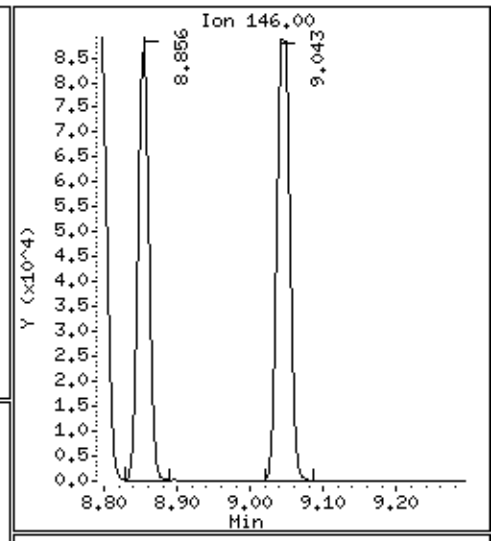
Review Code:

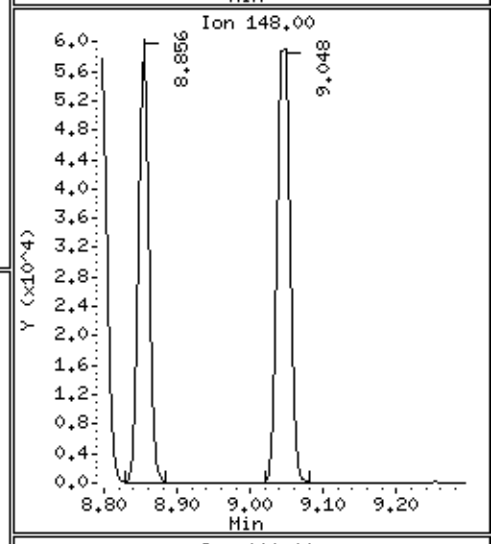


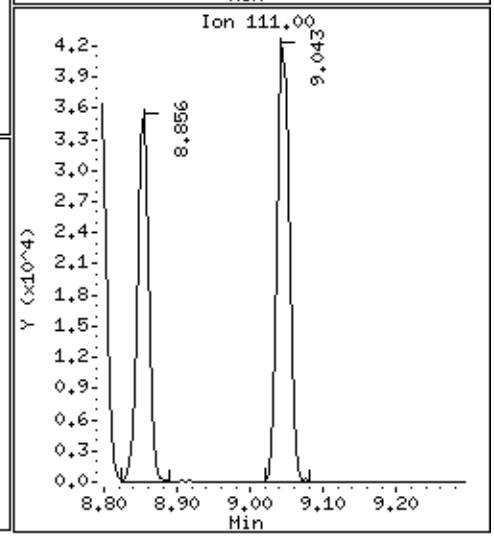












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

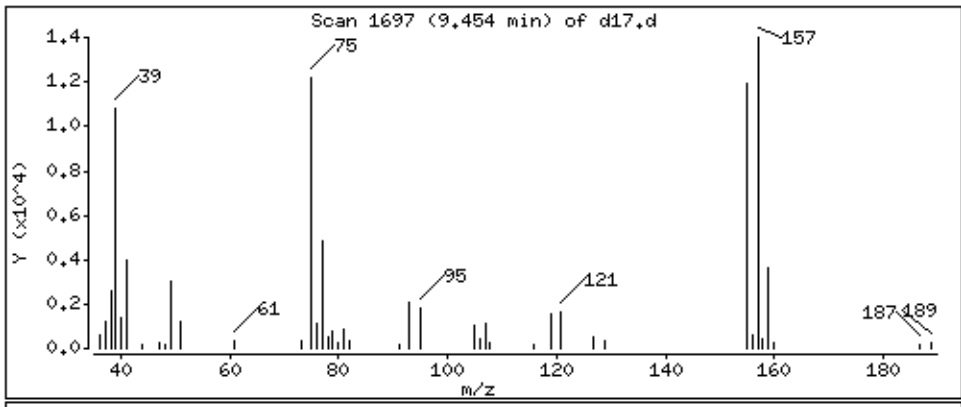
Column phase: DB-624

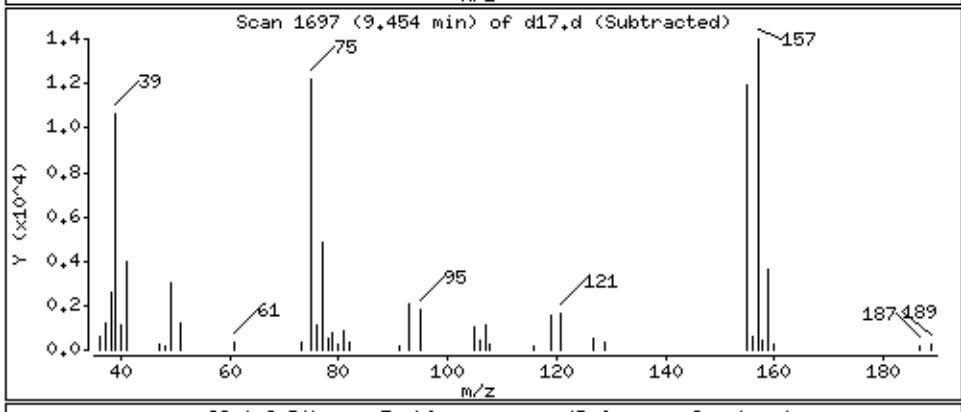
Column diameter: 0.18

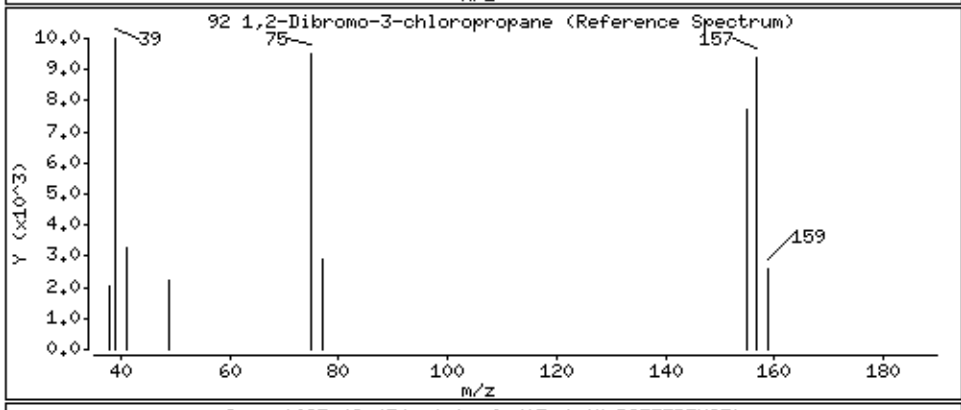
92 1,2-Dibromo-3-chloropropane

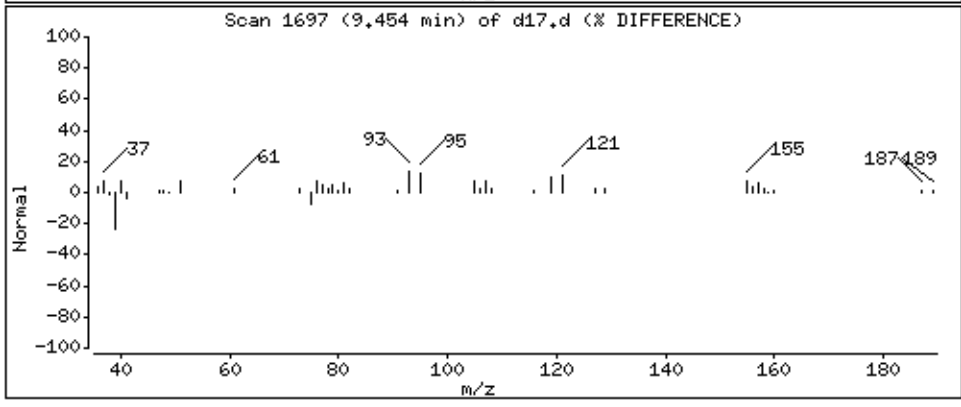
Concentration: 53.6 ppb

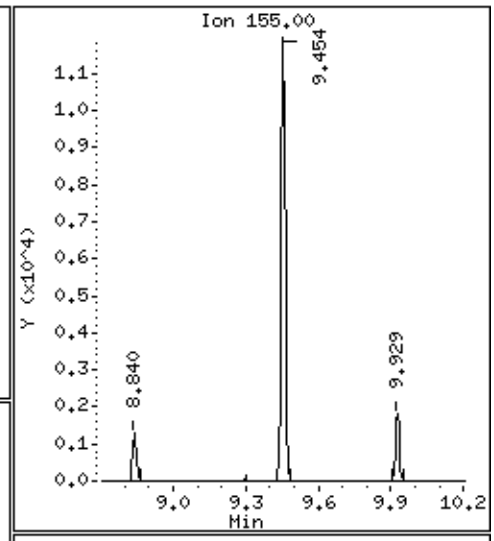
Review Code:

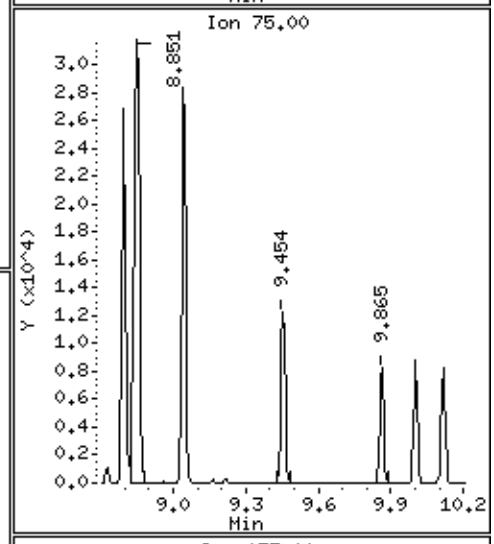


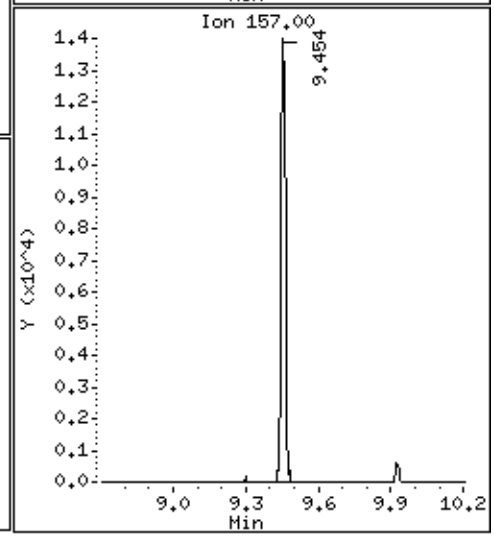












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

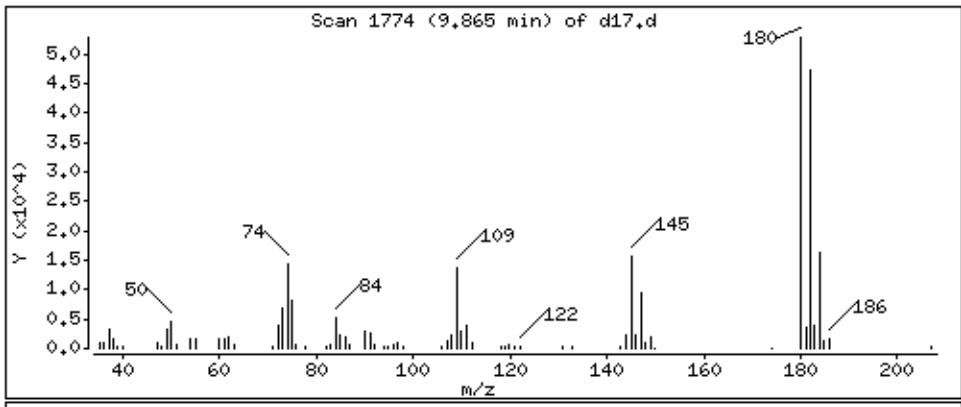
Column phase: DB-624

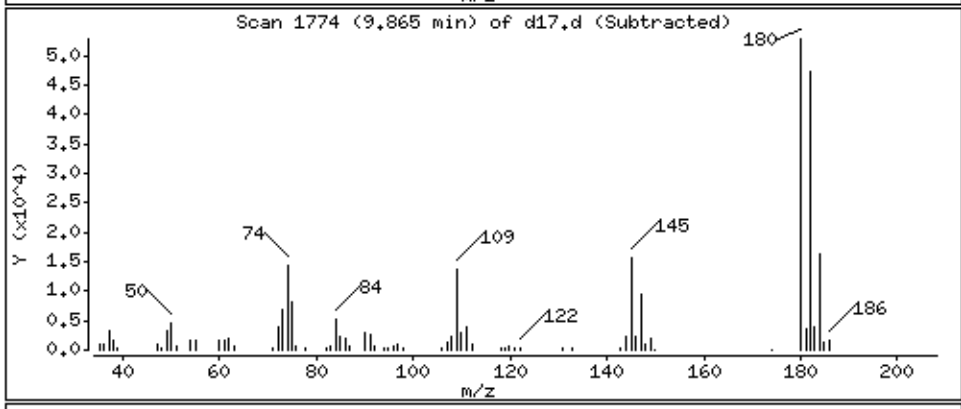
Column diameter: 0.18

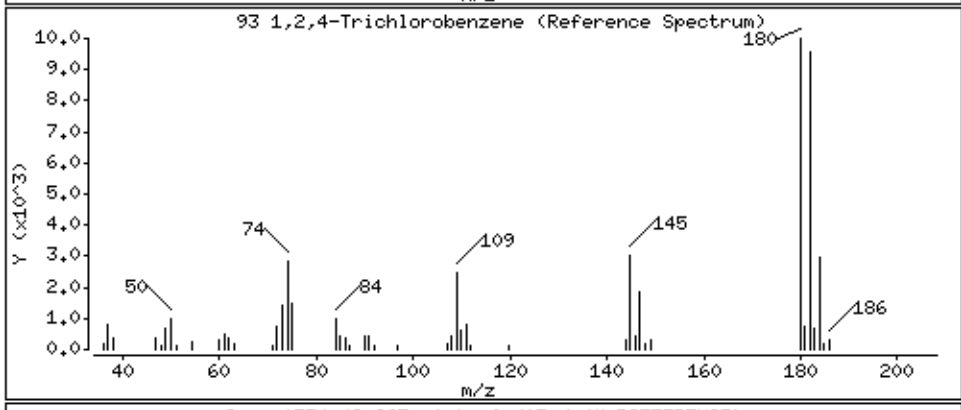
93 1,2,4-Trichlorobenzene

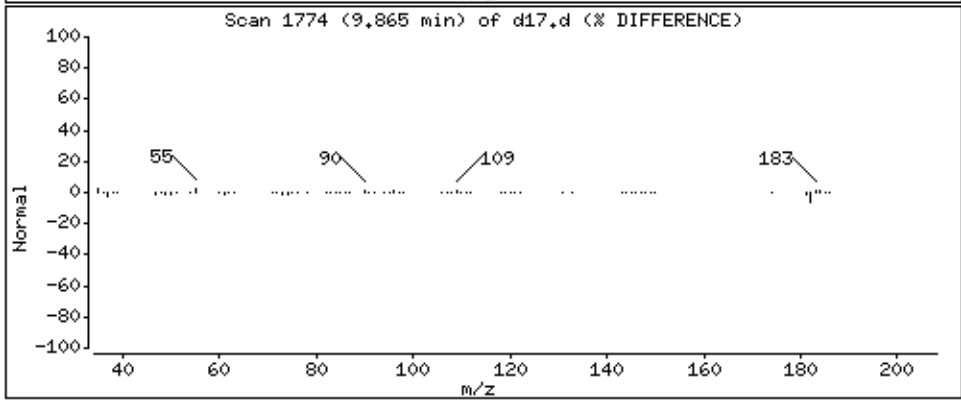
Concentration: 21.0 ppb

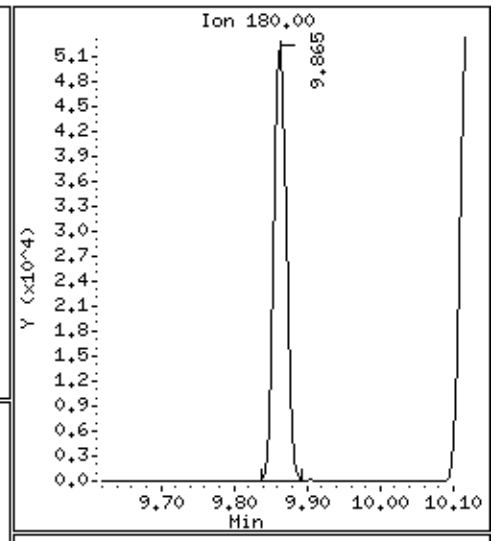
Review Code:

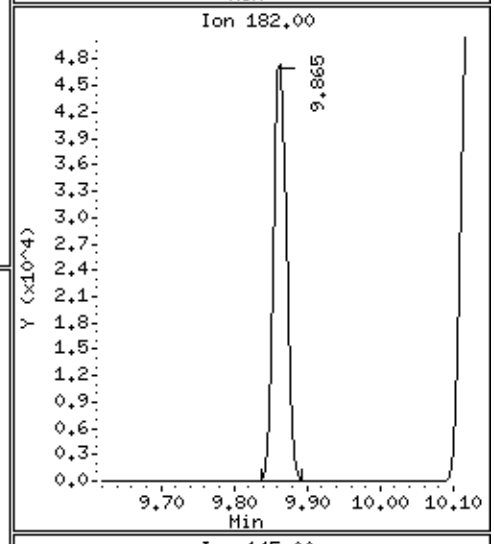


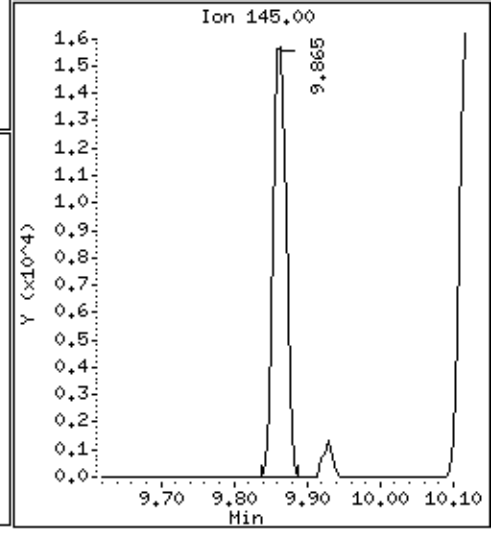












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

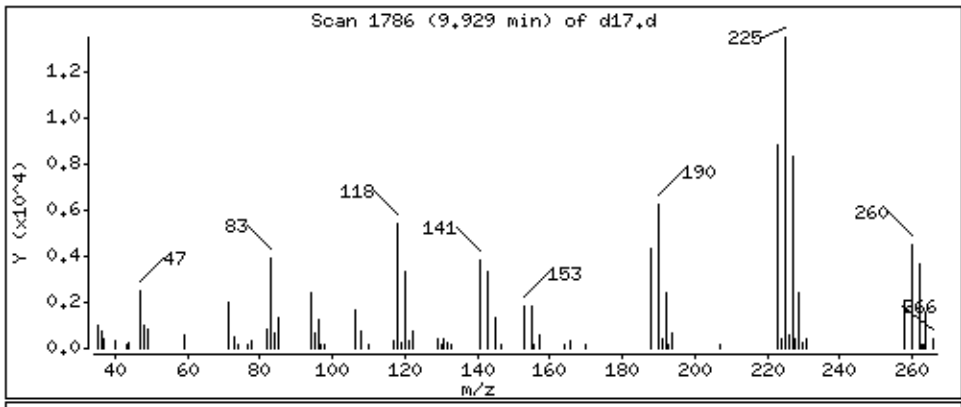
Column phase: DB-624

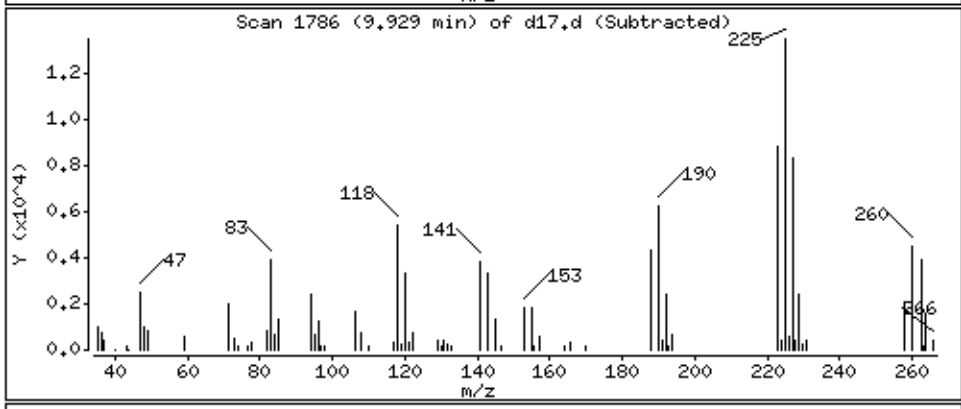
Column diameter: 0.18

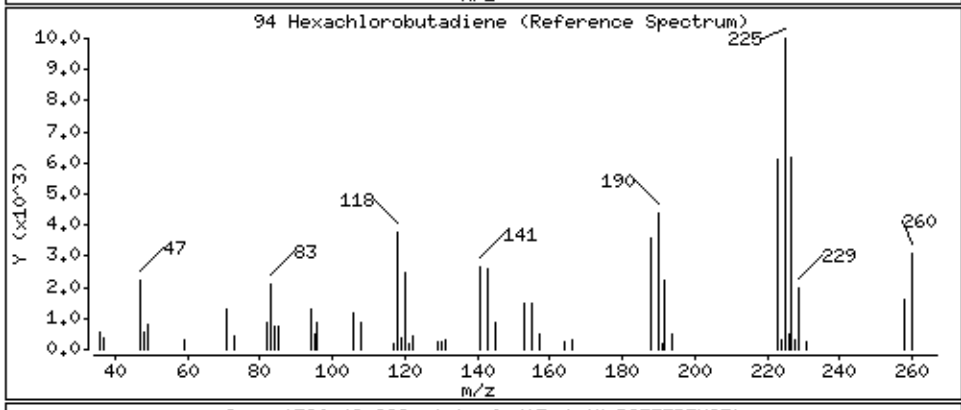
94 Hexachlorobutadiene

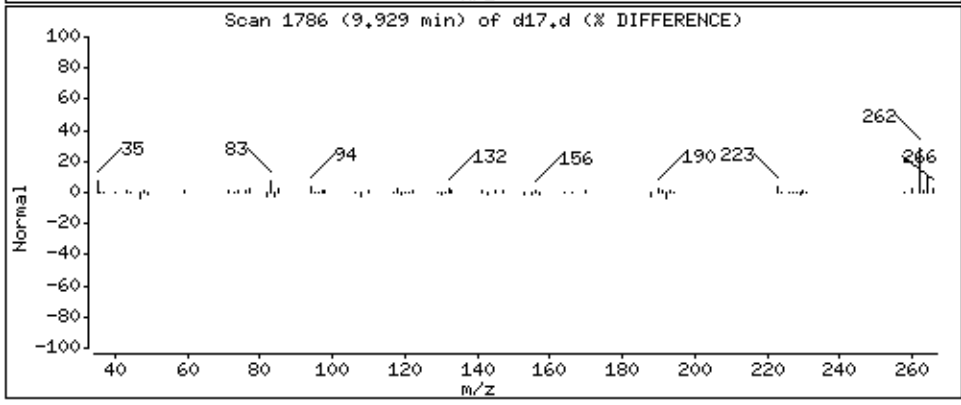
Concentration: 8.42 ppb

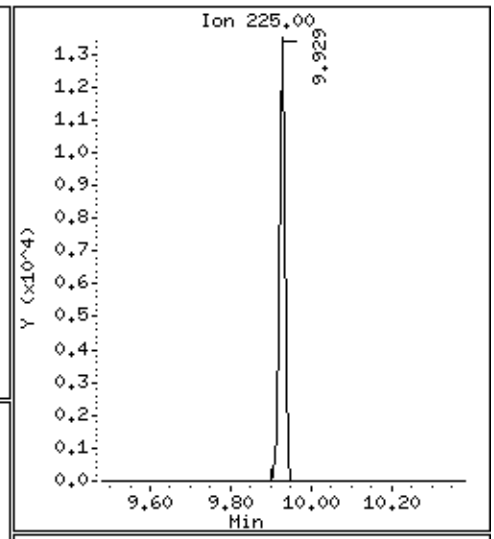
Review Code:

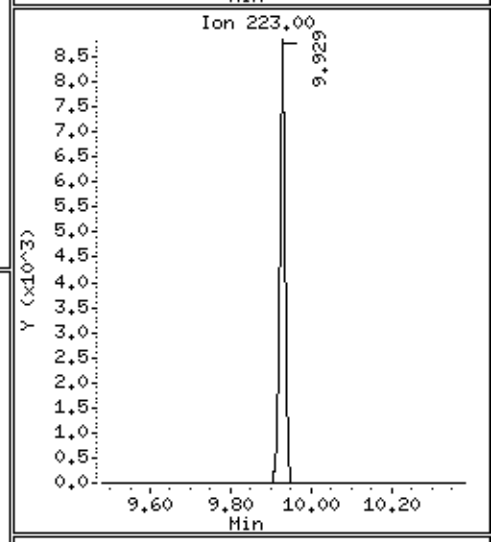


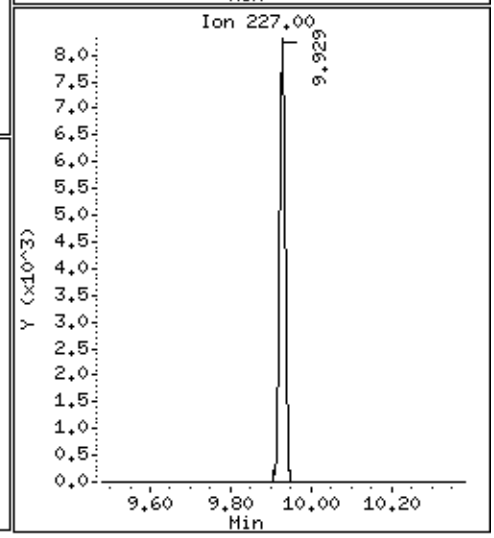












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

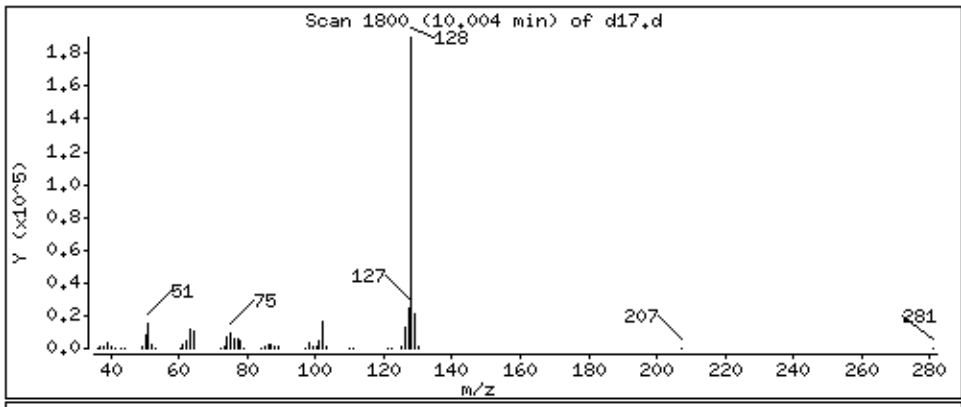
Column phase: DB-624

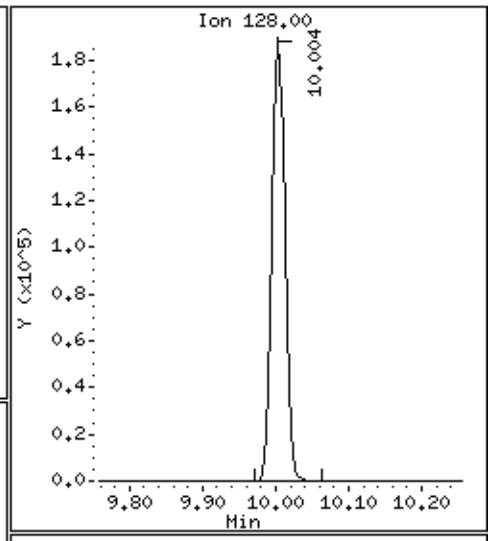
Column diameter: 0.18

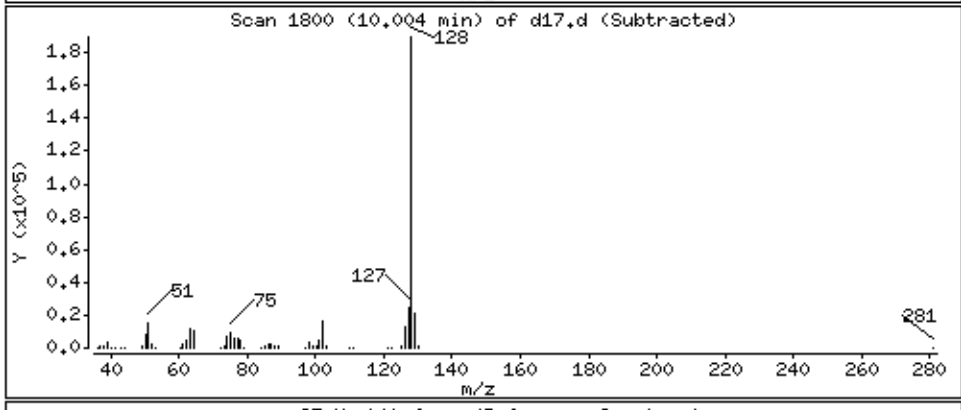
95 Naphthalene

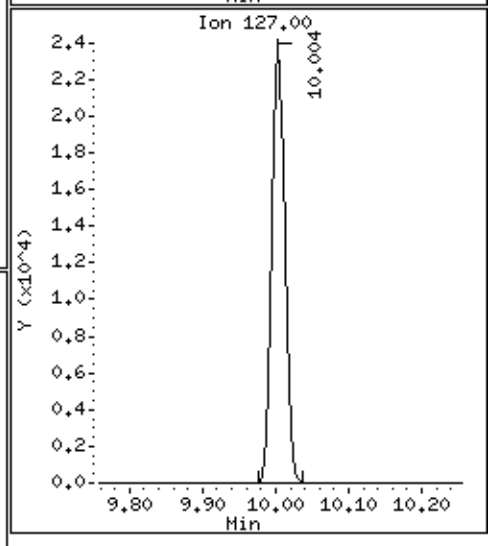
Concentration: 39.8 ppb

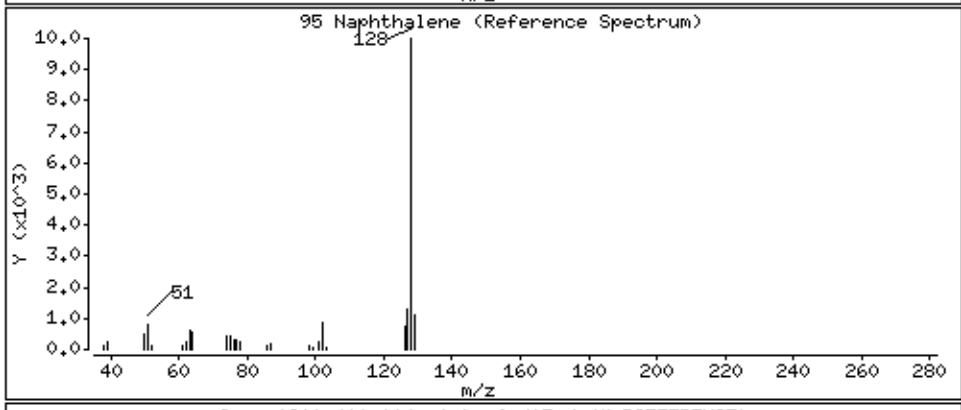
Review Code:

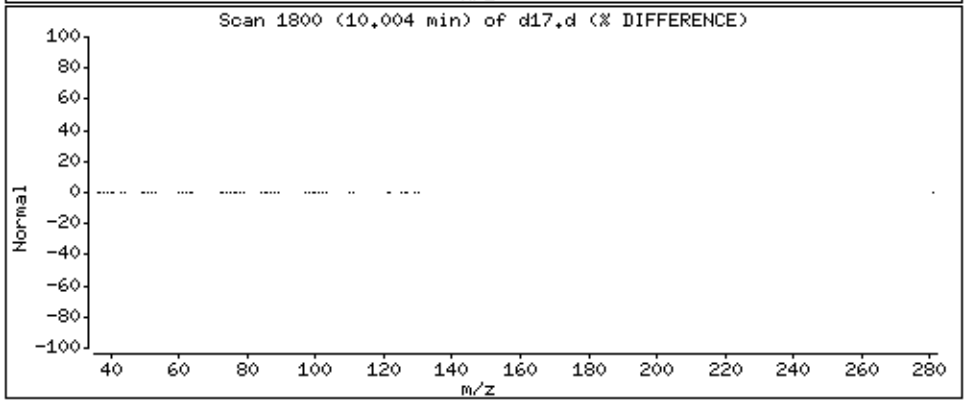












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

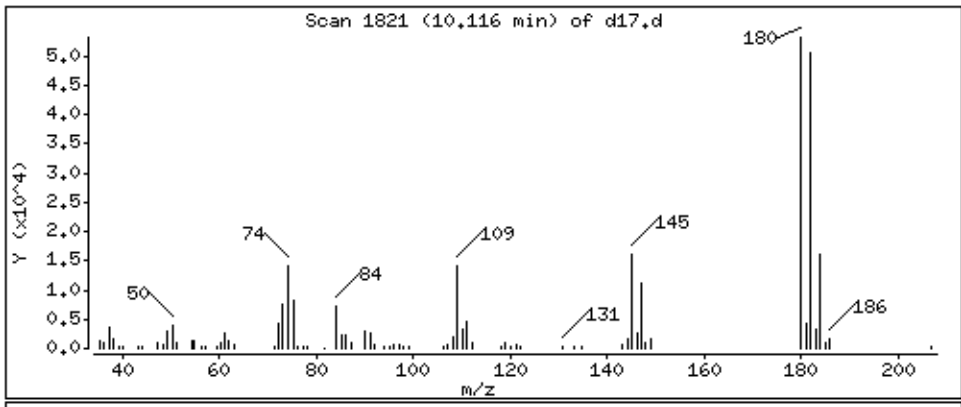
Column phase: DB-624

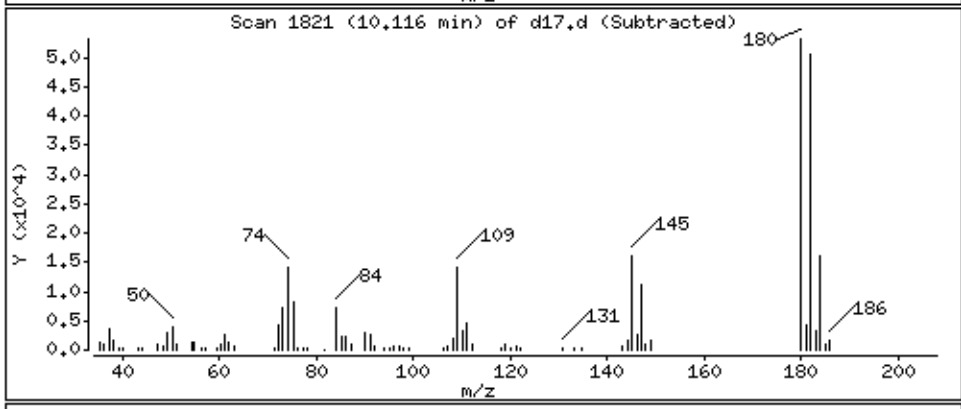
Column diameter: 0.18

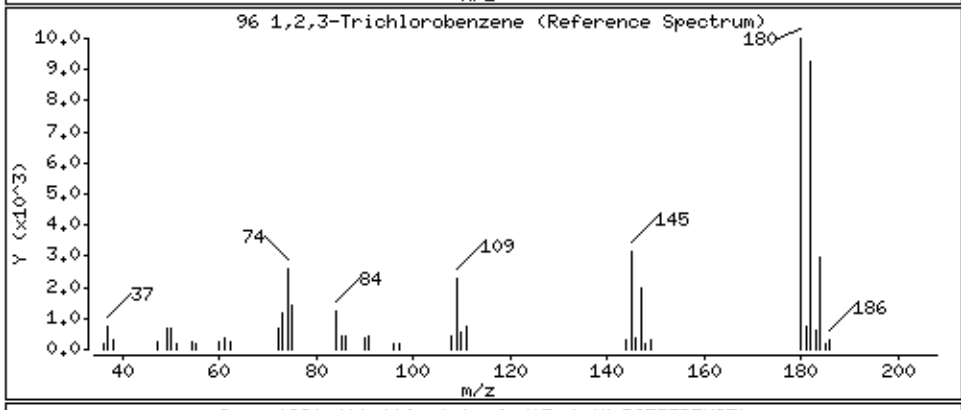
96 1,2,3-Trichlorobenzene

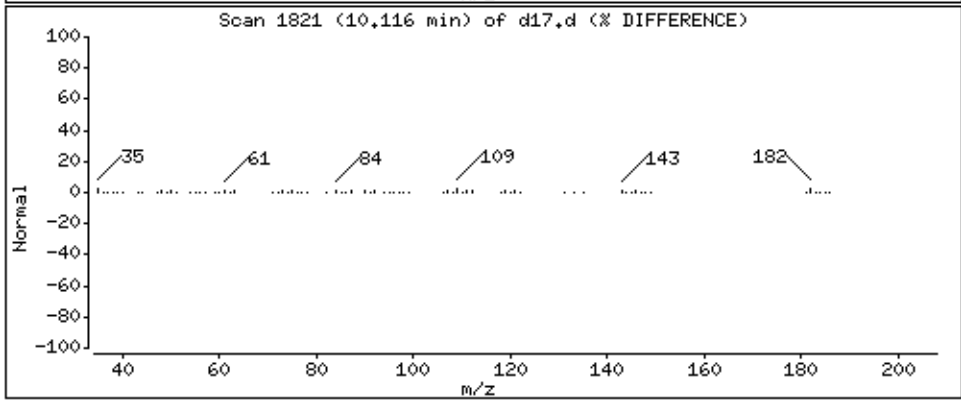
Concentration: 26.8 ppb

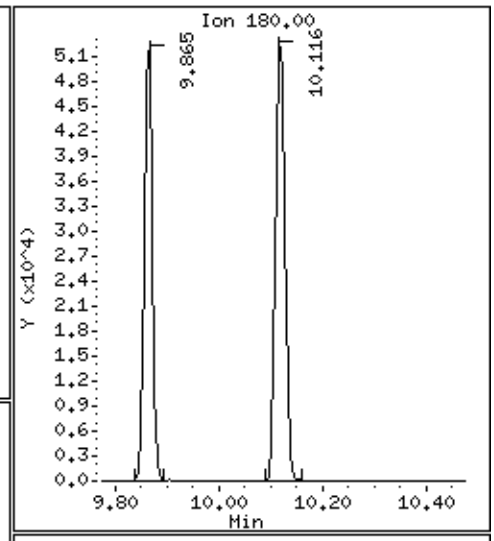
Review Code:

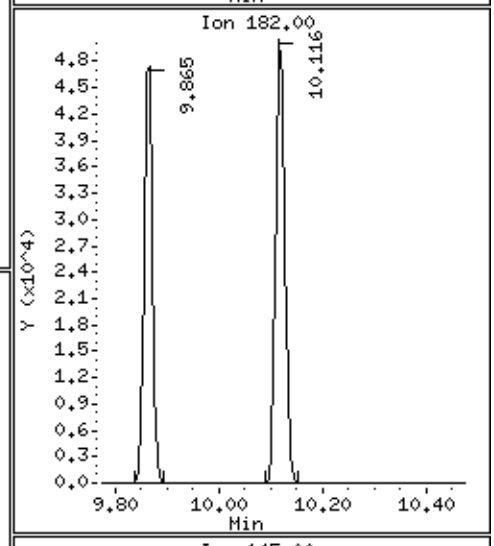


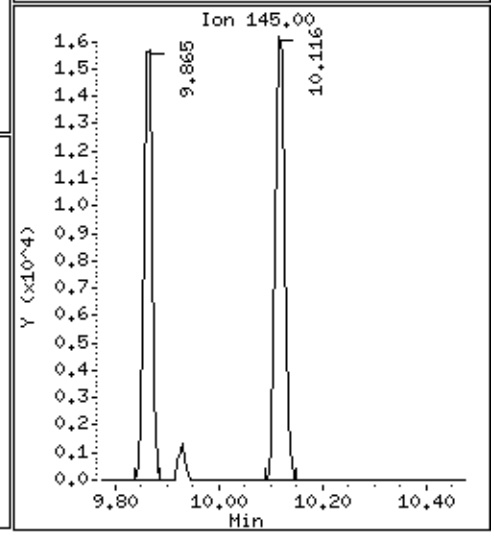












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

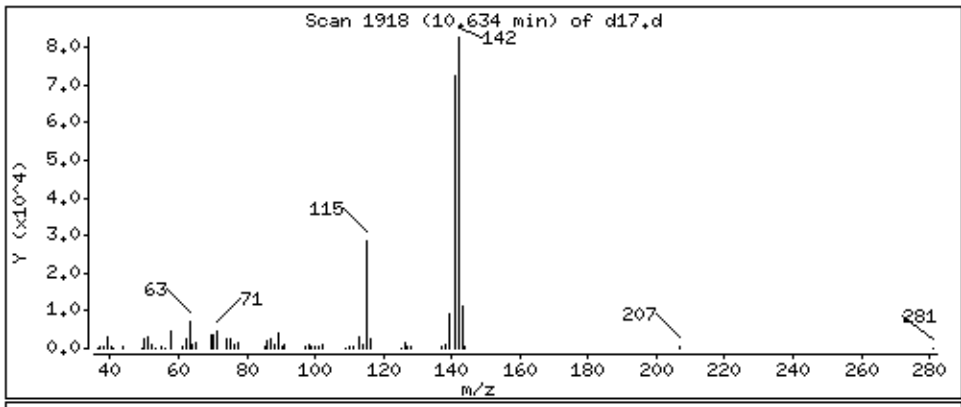
Column phase: DB-624

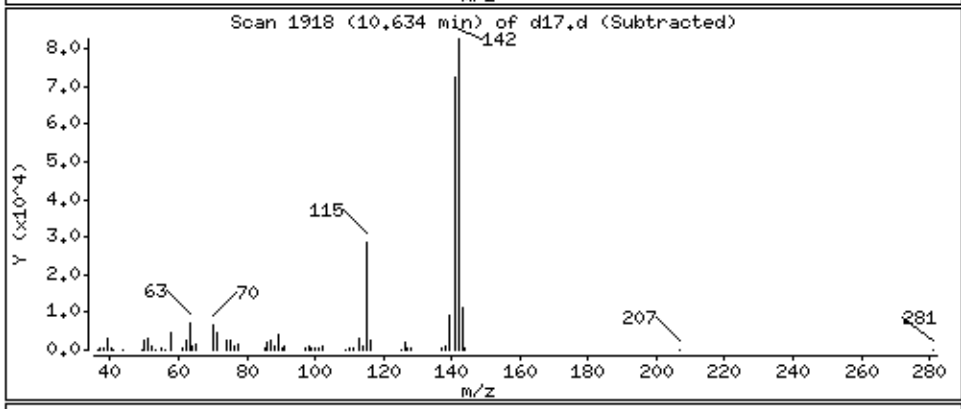
Column diameter: 0.18

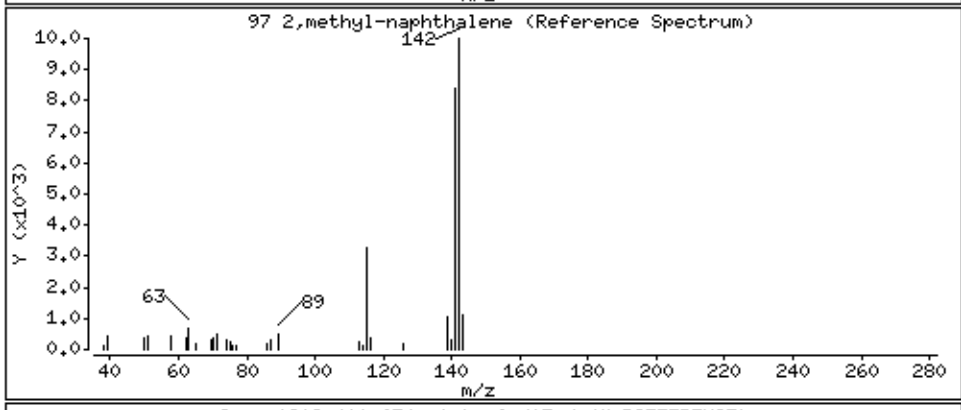
97 2,methyl-naphthalene

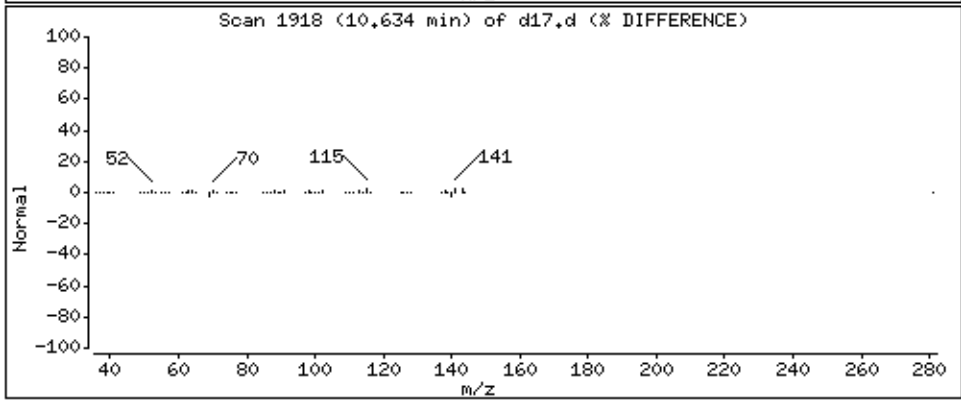
Concentration: 33.5 ppb

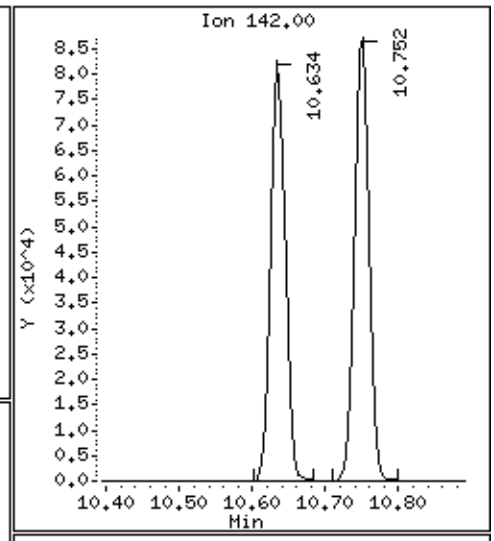
Review Code:

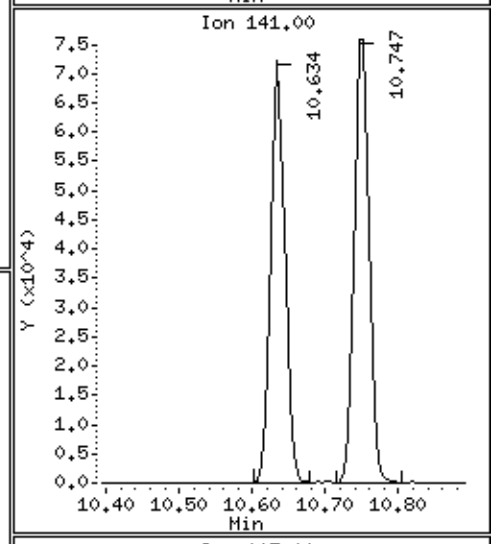


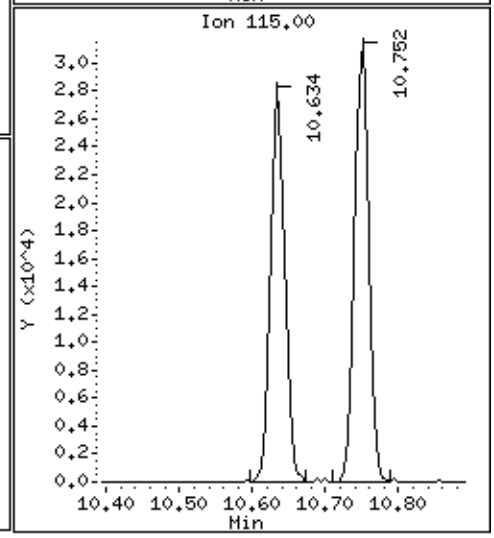












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

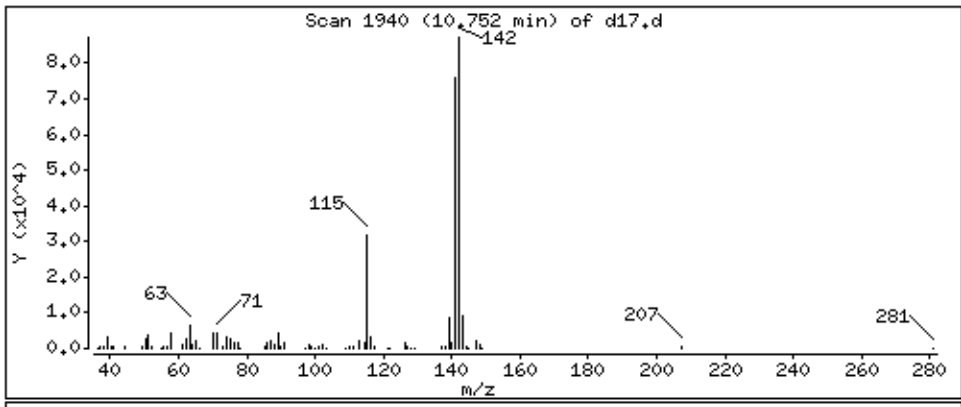
Column phase: DB-624

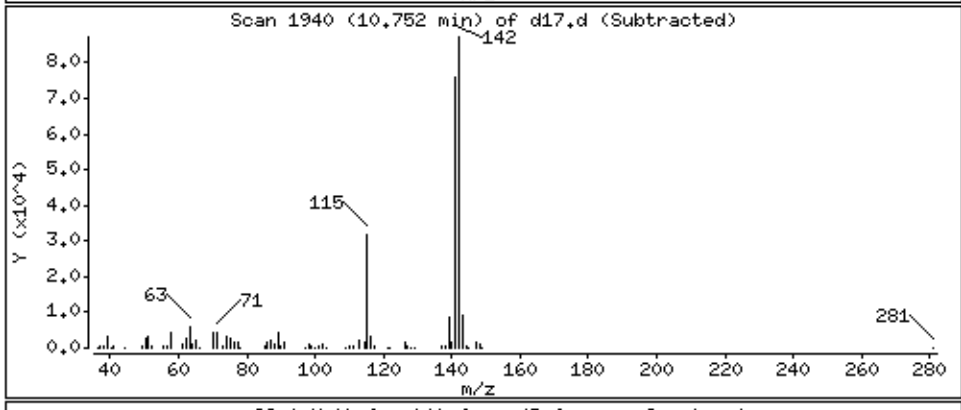
Column diameter: 0.18

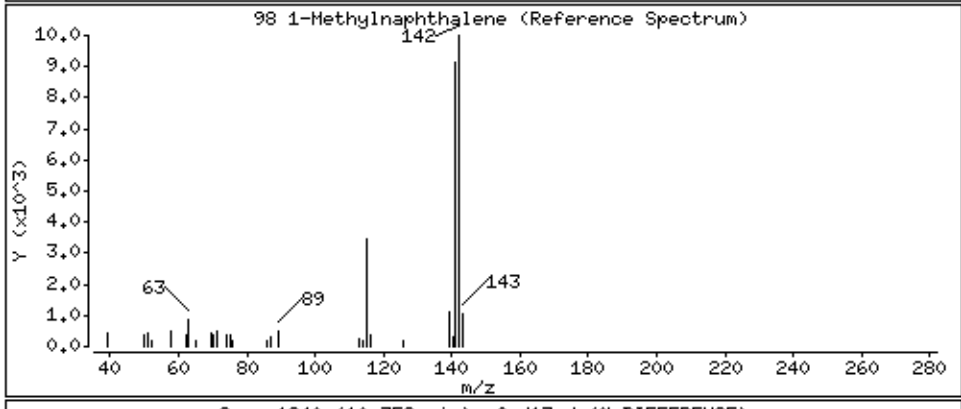
98 1-Methylnaphthalene

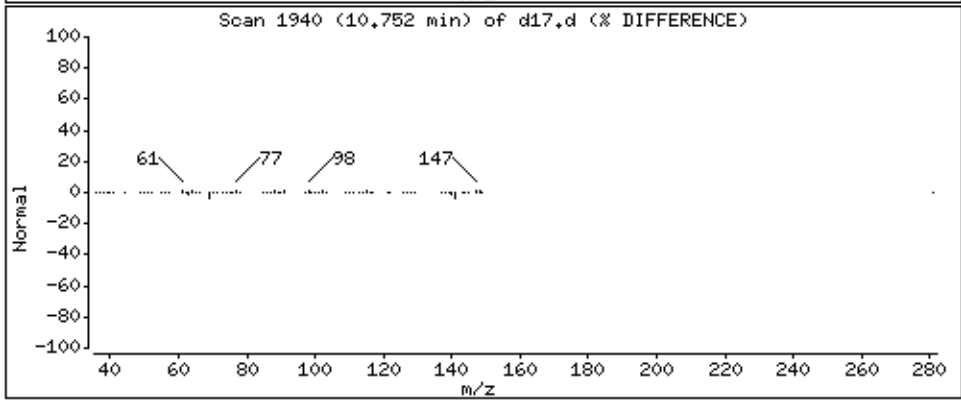
Concentration: 46.1 ppb

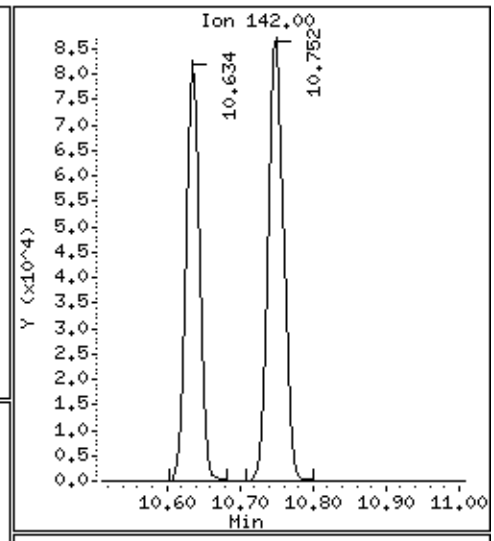
Review Code:

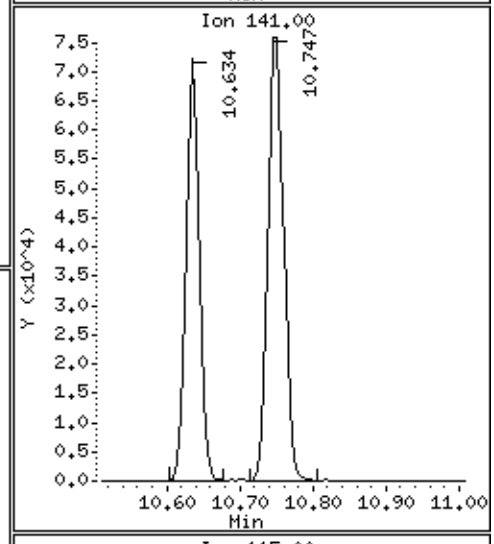


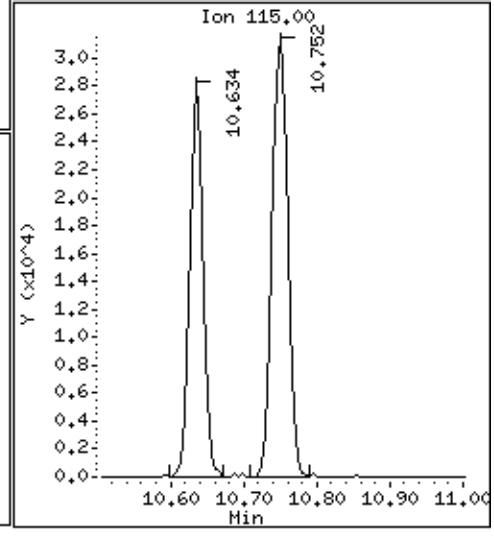












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Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

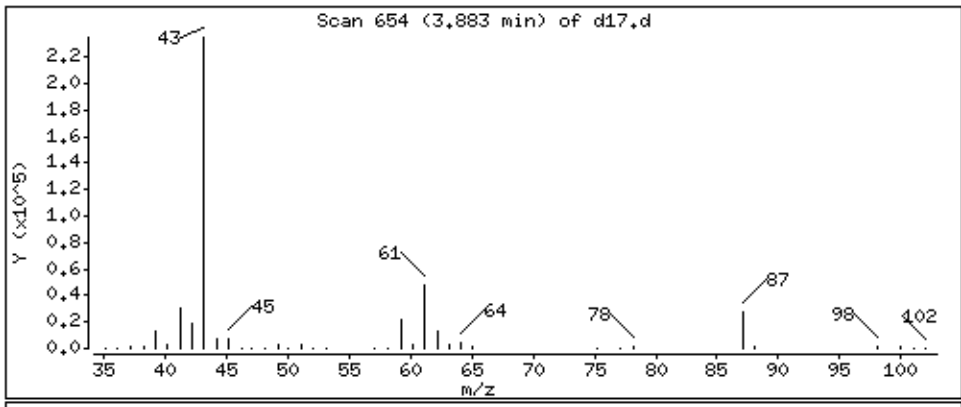
Column phase: DB-624

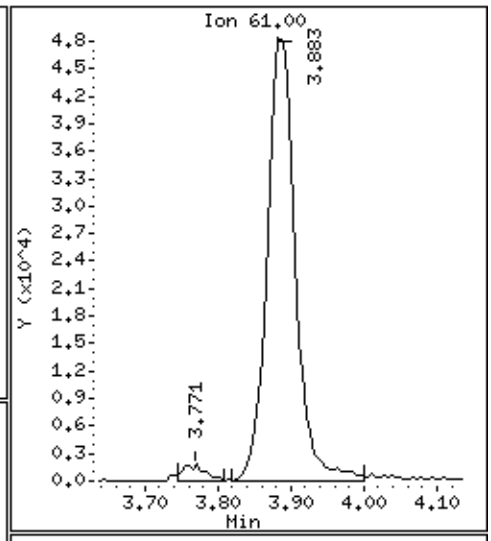
Column diameter: 0.18

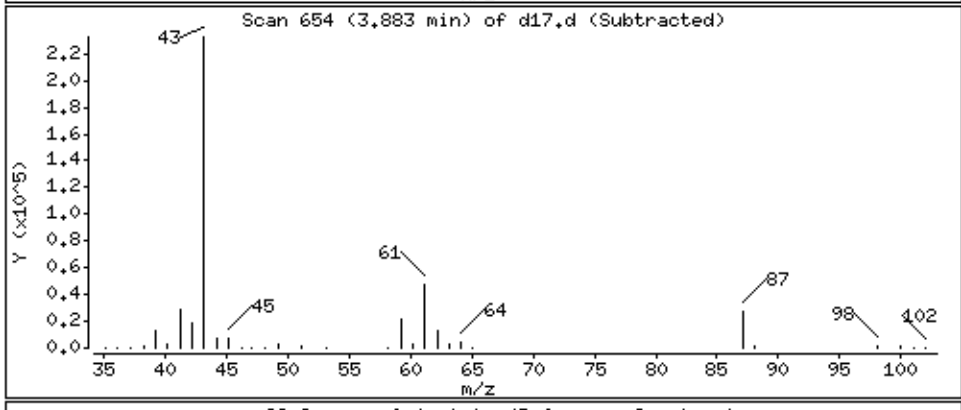
99 Isopropyl Acetate

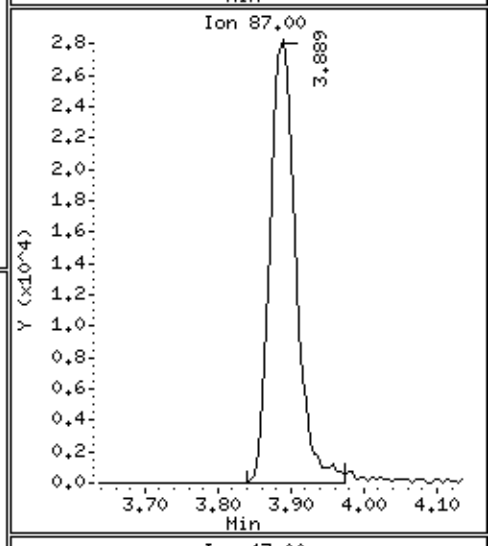
Concentration: 276 ppb

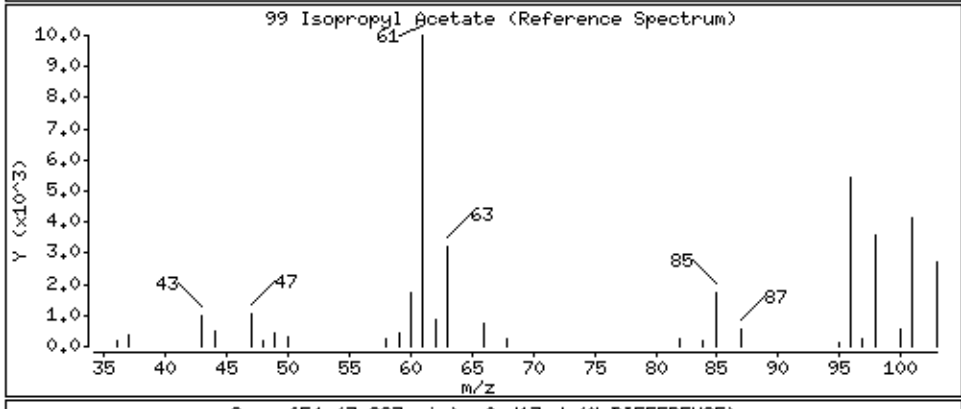
Review Code:

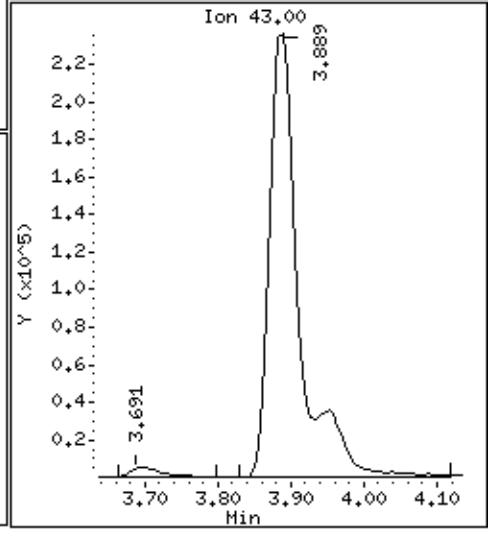


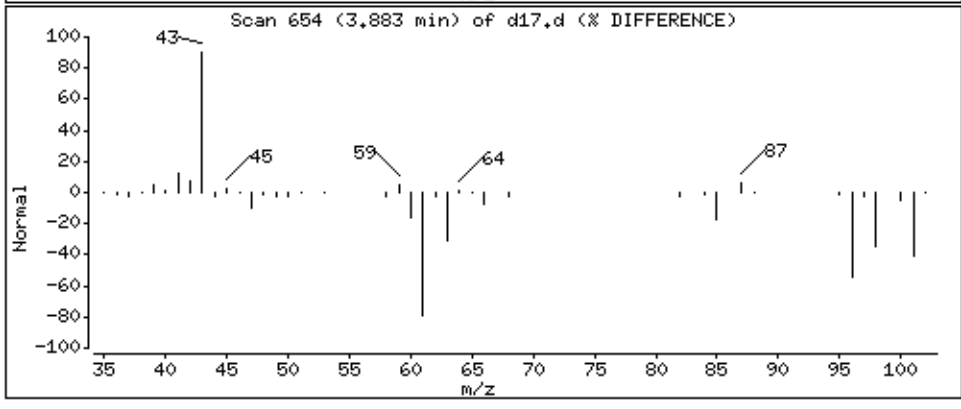












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

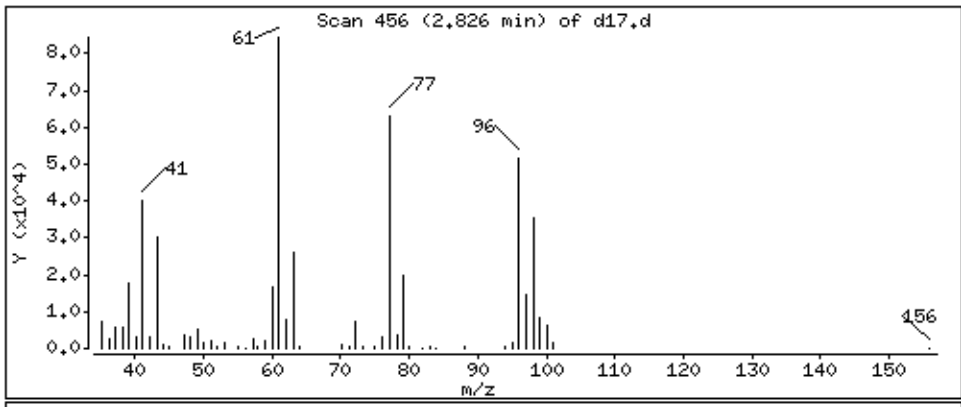
Column phase: DB-624

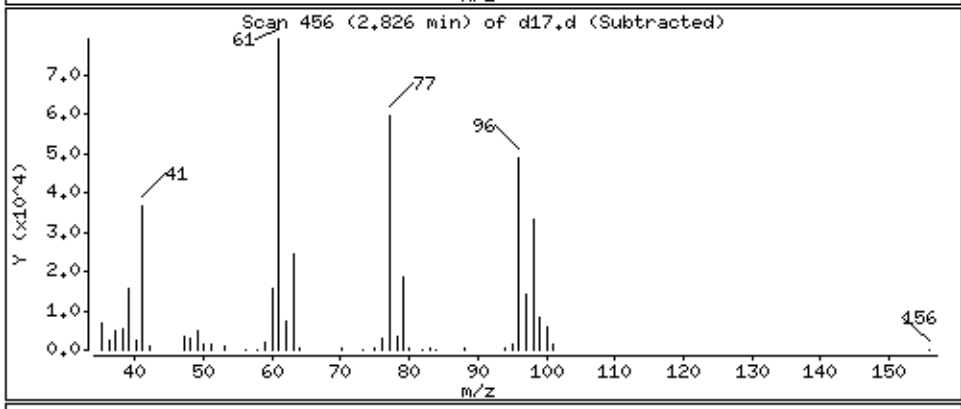
Column diameter: 0.18

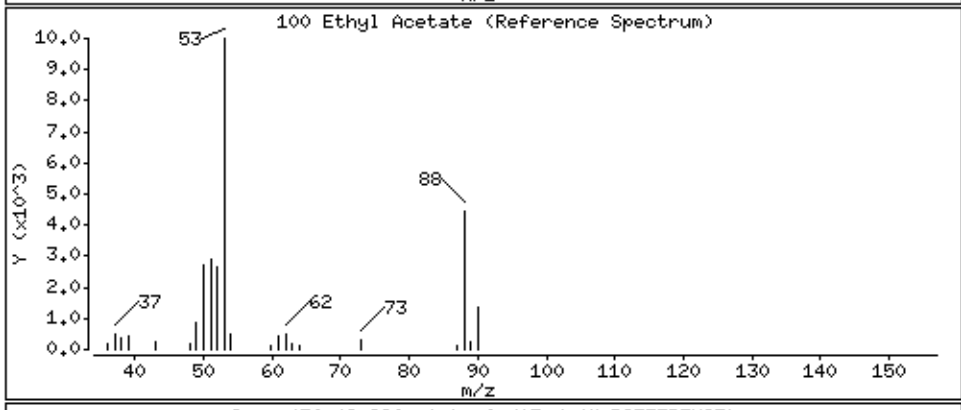
100 Ethyl Acetate

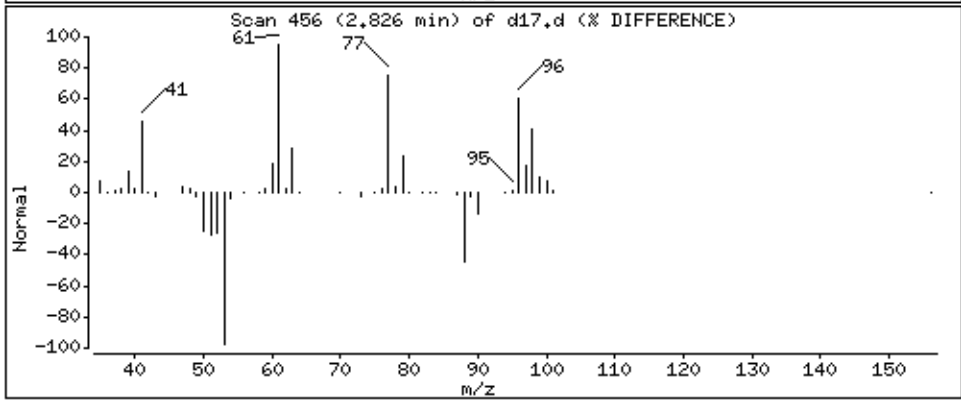
Concentration: 27.4 ppb

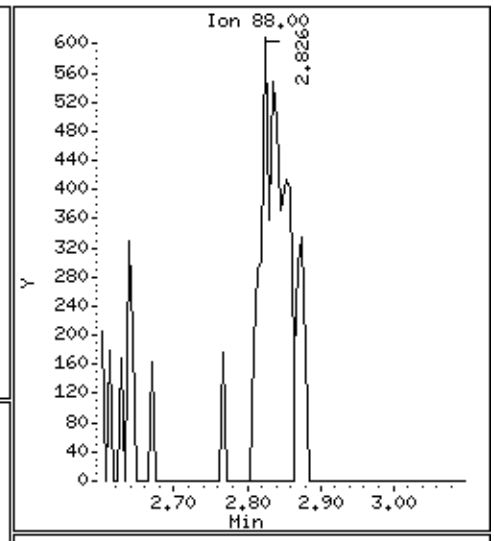
Review Code:

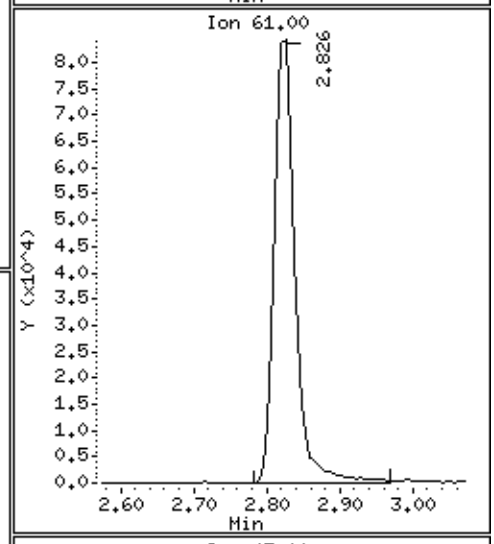


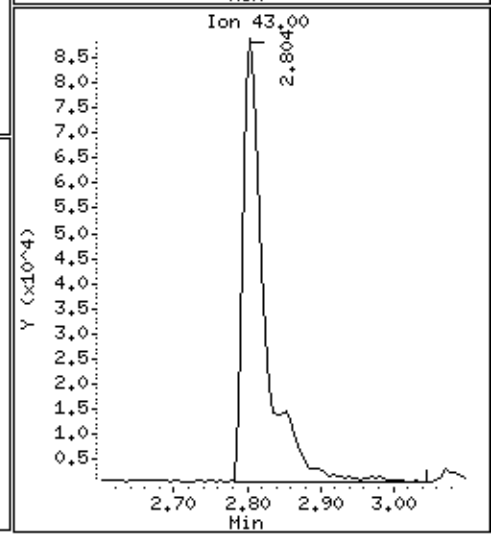












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d17.d

Date : 07-OCT-2016 09:33

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642782,132007:5

Purge Volume: 5.0

Operator: jlz

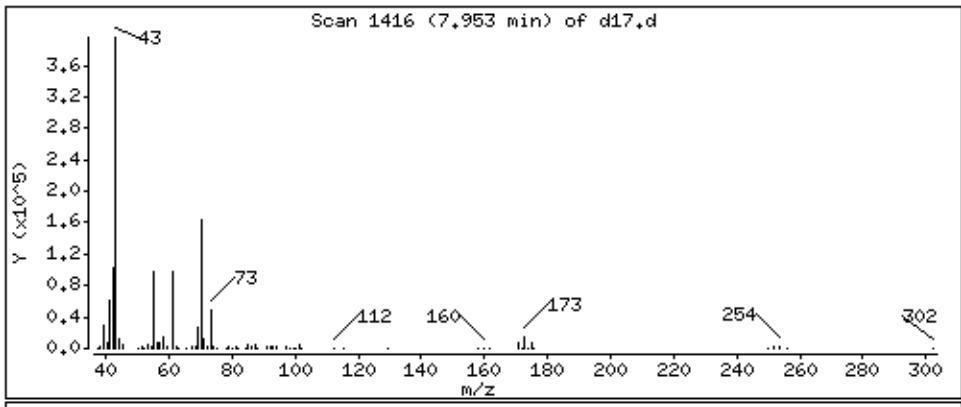
Column phase: DB-624

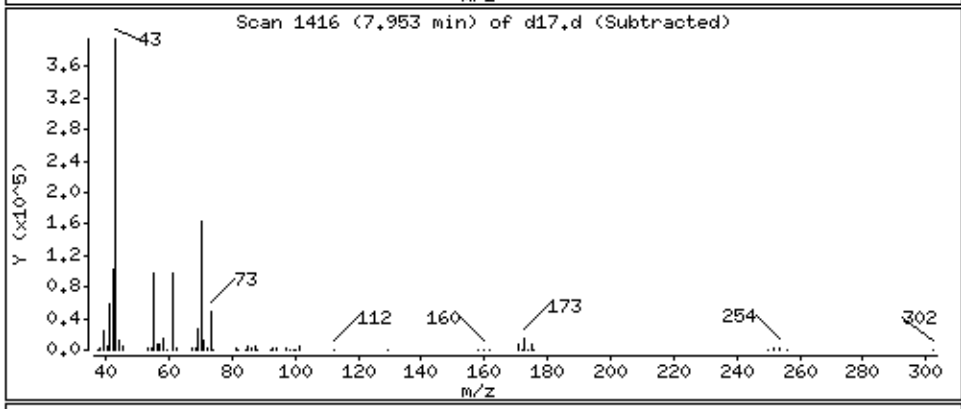
Column diameter: 0.18

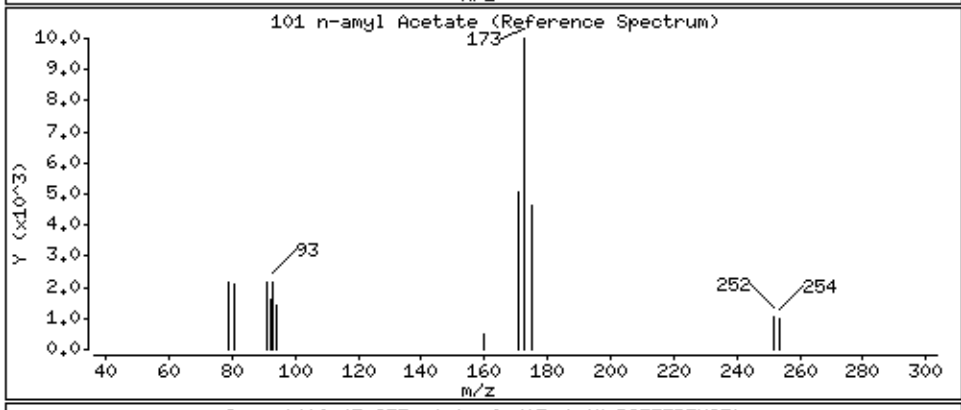
101 n-amyl Acetate

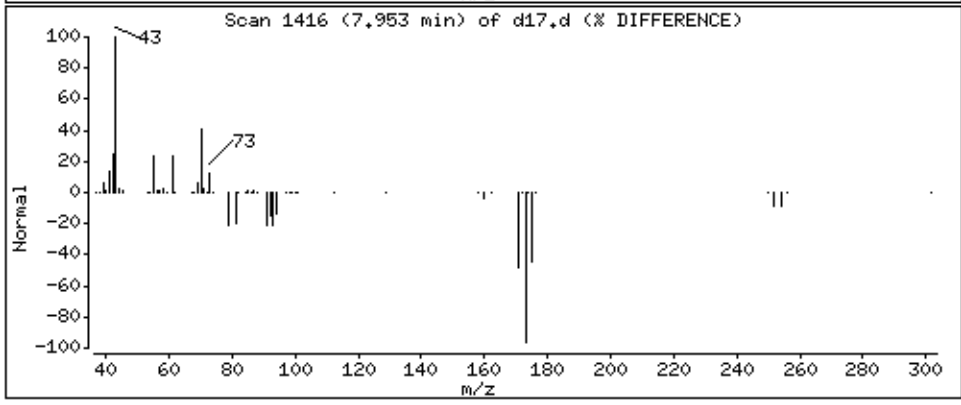
Concentration: 52.1 ppb

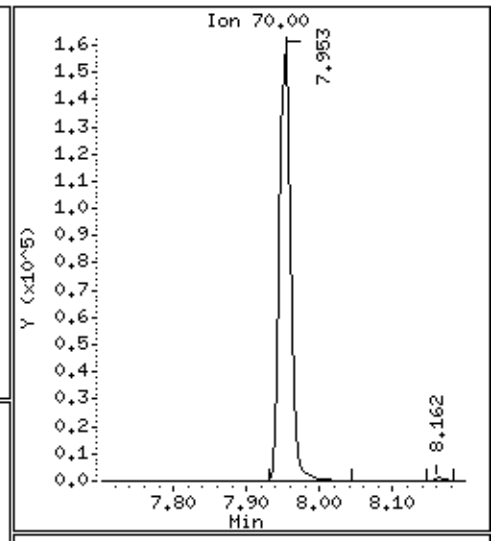
Review Code:

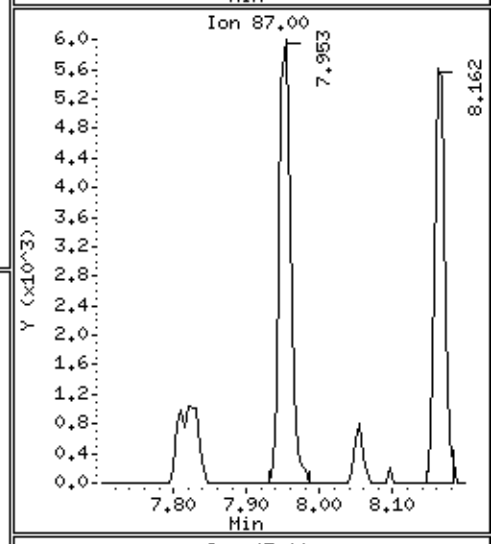


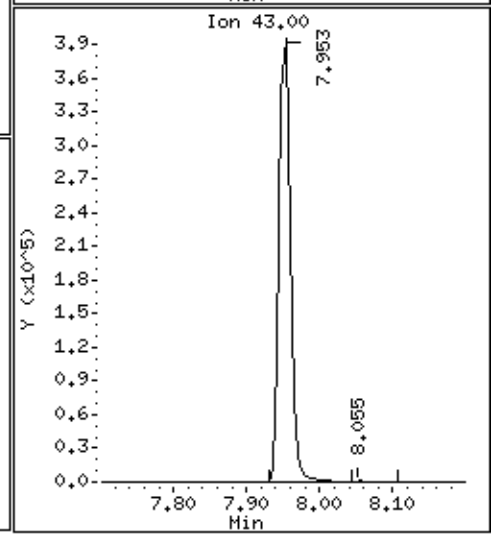












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b/d17.d
Injection Date: 07-OCT-2016 09:33
Instrument: 50mv3b.i
Lab Sample ID: 1642782
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSD

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 10:05 Lab Sample ID: 1642783

Date Analyzed: 10/07/2016 10:05 Lab File ID: B100616.B\D18.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	333	
71-43-2	Benzene	41.8	
75-27-4	Bromodichloromethane	47.4	
75-25-2	Bromoform	46.1	
74-83-9	Bromomethane	41.4	
78-93-3	2-Butanone (MEK)	303	
75-15-0	Carbon disulfide	42.0	
56-23-5	Carbon tetrachloride	38.6	
108-90-7	Chlorobenzene	27.7	
75-00-3	Chloroethane	42.3	
67-66-3	Chloroform	42.1	
74-87-3	Chloromethane	38.9	
110-82-7	Cyclohexane	42.6	J
96-12-8	1,2-Dibromo-3-chloropropane	53.5	
124-48-1	Dibromochloromethane	44.8	
106-93-4	1,2-Dibromoethane (EDB)	47.5	
95-50-1	1,2-Dichlorobenzene	24.4	
541-73-1	1,3-Dichlorobenzene	20.2	
106-46-7	1,4-Dichlorobenzene	19.3	
75-71-8	Dichlorodifluoromethane	51.0	
75-34-3	1,1-Dichloroethane	46.0	
107-06-2	1,2-Dichloroethane	42.2	
75-35-4	1,1-Dichloroethene	47.5	
156-59-2	cis-1,2-Dichloroethene	44.3	
156-60-5	trans-1,2-Dichloroethene	42.7	
78-87-5	1,2-Dichloropropane	47.8	
10061-01-5	cis-1,3-Dichloropropene	40.5	
10061-02-6	trans-1,3-Dichloropropene	44.0	
100-41-4	Ethylbenzene	25.0	
591-78-6	2-Hexanone	307	
98-82-8	Isopropylbenzene (Cumene)	20.6	
79-20-9	Methyl acetate	50.2	
108-87-2	Methylcyclohexane	41.4	J
75-09-2	Methylene Chloride	58.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	287	
1634-04-4	Methyl-tert-butyl ether	54.9	
100-42-5	Styrene	27.9	

SAMPLE NO.

MSD

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/07/2016 10:05 Lab Sample ID: 1642783

Date Analyzed: 10/07/2016 10:05 Lab File ID: B100616.B\D18.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	52.9	
127-18-4	Tetrachloroethene	24.3	
108-88-3	Toluene	29.3	
120-82-1	1,2,4-Trichlorobenzene	21.3	
71-55-6	1,1,1-Trichloroethane	40.7	
79-00-5	1,1,2-Trichloroethane	49.9	
79-01-6	Trichloroethene	36.0	
75-69-4	Trichlorofluoromethane	43.3	
76-13-1	1,1,2-Trichlorotrifluoroethane	46.4	
75-01-4	Vinyl chloride	47.5	
1330-20-7	Xylene (Total)	75.5	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d
Lab Smp Id: 1642783 Client Smp ID: MW-0603-S1(091716)P
Inj Date : 07-OCT-2016 10:05
Operator : jlz Inst ID: 50mv3b.i
Smp Info : 1642783,132007:5
Misc Info : 95585
Comment :
Method : \\192.168.50.6\chem\50mv3b.i\b100616.b\-b8260_a_c.m
Meth Date : 07-Oct-2016 13:53 50mv3b.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:31 Cal File: b08cal.d
Als bottle: 84 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.917	0.916	(0.220)	120629	51.0219	51.0	
2	Chloromethane	50	0.997	0.996	(0.239)	137028	38.9320	38.9	
3	Vinyl Chloride	62	1.045	1.044	(0.250)	143406	47.5032	47.5	
4	Bromomethane	94	1.190	1.188	(0.285)	54445	41.4163	41.4	
5	Chloroethane	64	1.238	1.236	(0.296)	74661	42.2582	42.2	
6	Trichlorofluoromethane	101	1.350	1.348	(0.323)	141460	43.3252	43.3	
7	Diethyl ether	74	1.473	1.471	(0.353)	55506	53.9698	54.0	
8	1,2-dichlorotrifluoroethane	67	1.489	1.487	(0.357)	108826	42.6364	42.6	
9	Acrolein	56	1.547	1.546	(0.371)	227739	1083.15	1080	
10	1,1,2trichlorotrifluoroethane	101	1.601	1.600	(0.383)	99927	46.3835	46.4	
11	1,1-Dichloroethene	96	1.601	1.600	(0.383)	85616	47.5307	47.5	
12	Acetone	43	1.611	1.610	(0.386)	123382	333.092	333	
13	Iodomethane	142	1.692	1.690	(0.405)	165678	93.6356	93.6	
14	Carbon Disulfide	76	1.740	1.738	(0.417)	256253	42.0176	42.0	
15	Methyl Acetate	43	1.782	1.781	(0.427)	54467	50.1964	50.2	
16	allyl chloride	41	1.798	1.797	(0.431)	331549	90.1510	90.2	
17	Acetonitrile	39	1.798	1.797	(0.431)	203391	38.5654	38.6	
18	Methylene Chloride	84	1.873	1.872	(0.449)	117185	58.3907	58.4	
19	tert-Butyl Alcohol	59	1.911	1.915	(0.458)	17524	124.797	125(Q)	
20	Acrylonitrile	53	2.007	2.005	(0.481)	113391	231.618	232	
21	Methyl-tert-butyl ether	73	2.033	2.032	(0.487)	252528	54.9330	54.9	
22	1,2-Dichloroethene (trans)	96	2.044	2.048	(0.490)	87996	42.7342	42.7	
23	n-Hexane	57	2.231	2.230	(0.534)	179908	44.4636	44.5	

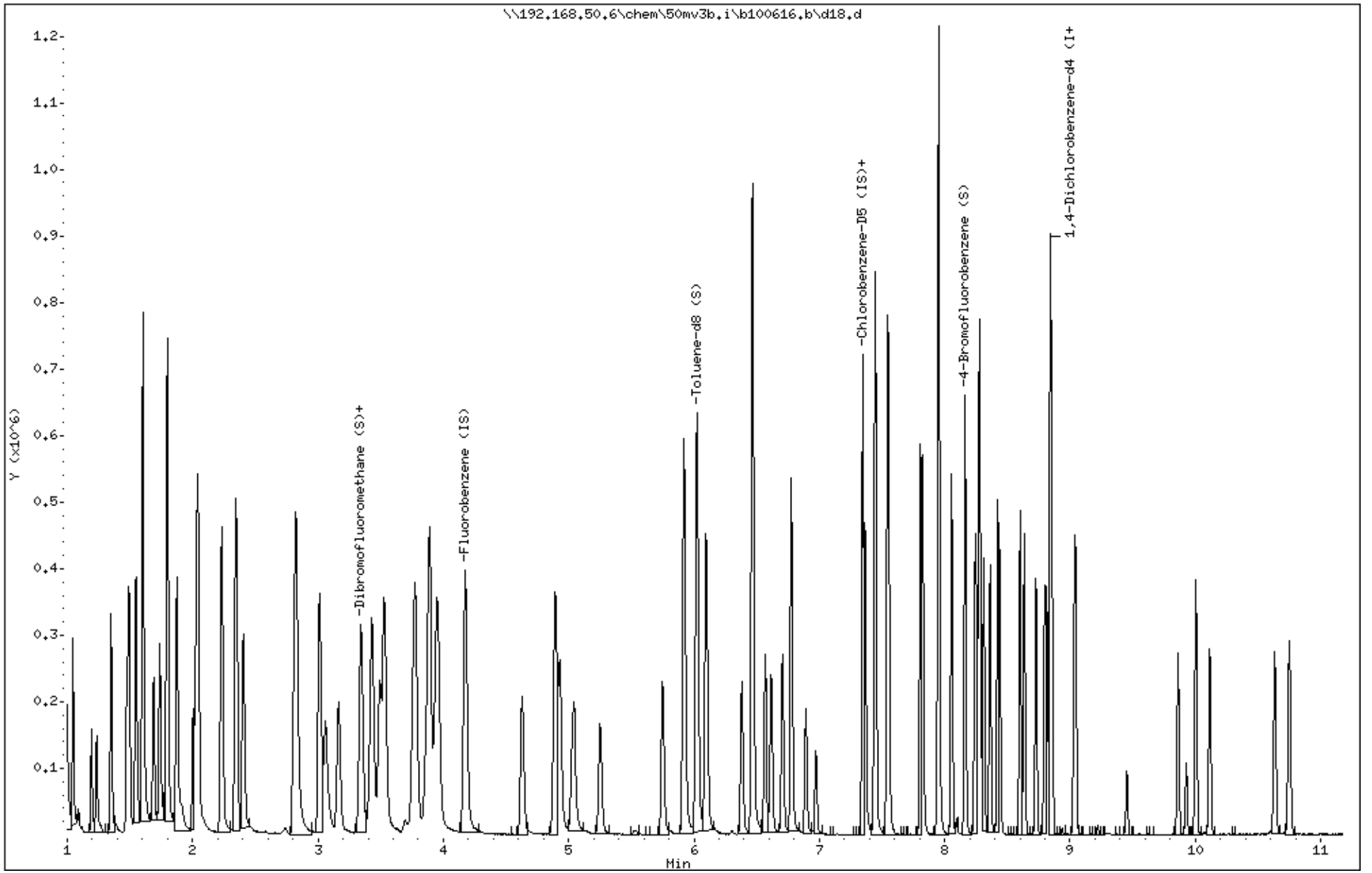
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.338	2.337	(0.560)	417619	141.667	142	
	25 1,1-Dichloroethane	63	2.349	2.347	(0.563)	177364	46.0499	46.0	
	26 Chloroprene	53	2.407	2.406	(0.577)	154066	39.5093	39.5	
	27 2-Butanone	72	2.808	2.807	(0.673)	39209	302.604	303(Q)	
	28 1,2-Dichloroethene (cis)	96	2.824	2.823	(0.676)	96557	44.2781	44.3(Q)	
	29 2,2-Dichloropropane	77	2.829	2.828	(0.678)	123694	40.8408	40.8	
	30 Propionitrile	54	2.867	2.860	(0.687)	11209	60.7302	60.7(Q)	
	31 Methacrylonitrile	41	3.011	3.015	(0.721)	203128	243.828	244	
	32 Bromochloromethane	49	3.059	3.052	(0.733)	76008	44.9213	44.9	
	33 Tetrahydrofuran	42	3.075	3.074	(0.737)	22748	53.0409	53.0	
	34 Chloroform	83	3.166	3.164	(0.758)	154125	42.1066	42.1	
$	35 Dibromofluoromethane (S)	113	3.342	3.341	(0.800)	89187	48.3475	48.3	
	36 1,1,1-Trichloroethane	97	3.342	3.341	(0.800)	133853	40.7199	40.7	
	37 Cyclohexane	56	3.427	3.426	(0.821)	173006	42.6060	42.6(R)	
	151 n-Butyl chloride	56	3.492	3.490	(0.836)	207777	41.4955	41.5	
	38 Carbon Tetrachloride	117	3.529	3.528	(0.845)	112299	38.5871	38.6	
	39 1,1-Dichloropropene	75	3.534	3.533	(0.847)	112041	36.7570	36.8(R)	
	40 Benzene	78	3.775	3.773	(0.904)	350460	41.7662	41.8	
	41 1,2-Dichloroethane	62	3.860	3.859	(0.925)	105682	42.2026	42.2	
	42 Isobutyl alcohol	43	3.887	3.885	(0.931)	649084	51.5324	51.5	
	43 2,2,4-Trimethylpentane	57	3.956	3.950	(0.948)	440406	43.9041	43.9	
*	44 Fluorobenzene (IS)	96	4.175	4.174	(1.000)	400668	50.0000		
	45 Trichloroethene	95	4.624	4.623	(1.107)	72503	36.0245	36.0(R)	
	46 Methylcyclohexane	55	4.891	4.890	(1.171)	135090	41.4101	41.4(R)	
	47 1,2-Dichloropropane	63	4.928	4.927	(1.180)	94694	47.7572	47.8	
	48 Methyl methacrylate	69	5.046	5.045	(1.208)	53441	64.8226	64.8	
	49 Dibromomethane	93	5.024	5.023	(1.203)	44659	48.3508	48.4	
	50 1,4-Dioxane	88	5.035	5.034	(1.206)	13828	1129.35	1130	
	51 Bromodichloromethane	83	5.249	5.253	(1.257)	109776	47.3925	47.4	
	53 cis-1,3-Dichloropropene	75	5.745	5.744	(0.782)	122949	40.4812	40.5	
	54 4-Methyl-2-Pentanone	43	5.922	5.920	(0.807)	379526	286.688	287	
$	55 Toluene-d8 (S)	98	6.023	6.022	(0.820)	393027	46.6888	46.7	
	56 Toluene	91	6.093	6.097	(0.830)	306989	29.3397	29.3(R)	
	57 trans-1,3-Dichloropropene	75	6.381	6.380	(0.869)	104339	43.9660	44.0	
	58 Ethyl Methacrylate	69	6.467	6.465	(0.881)	420332	226.470	226	
	59 1,1,2-Trichloroethane	83	6.568	6.567	(0.895)	57809	49.8503	49.8	
	60 Tetrachloroethene	166	6.621	6.620	(0.902)	56719	24.2578	24.2(R)	
	61 1,3-Dichloropropane	76	6.707	6.706	(0.913)	122583	49.2236	49.2	
	62 2-Hexanone	43	6.776	6.775	(0.923)	266084	306.940	307	
	63 Dibromochloromethane	129	6.894	6.893	(0.939)	75470	44.8381	44.8	
	64 1,2-Dibromoethane	107	6.974	6.973	(0.950)	62522	47.5455	47.5	
*	65 Chlorobenzene-D5 (IS)	117	7.342	7.347	(1.000)	284953	50.0000		
	66 Chlorobenzene	112	7.369	7.368	(1.004)	164727	27.7188	27.7(R)	
	67 1,1,1,2-Tetrachloroethane	131	7.444	7.443	(1.014)	70541	38.3499	38.3	
	68 Ethylbenzene	106	7.449	7.448	(1.015)	82175	24.9554	25.0(R)	
	69 m&p-Xylene	106	7.545	7.549	(1.028)	195657	48.1897	48.2(R)	
	70 o-Xylene	106	7.807	7.811	(1.063)	101986	27.2902	27.3(R)	
	71 Styrene	104	7.823	7.822	(1.065)	175154	27.9146	27.9(R)	
	72 Bromoform	173	7.941	7.945	(0.898)	41071	46.0801	46.1	
	73 Isopropylbenzene	105	8.053	8.052	(1.097)	222964	20.5556	20.6(R)	
$	74 4-Bromofluorobenzene (S)	95	8.165	8.164	(1.112)	136950	51.6832	51.7	
	75 Bromobenzene	77	8.245	8.244	(1.123)	102962	28.3819	28.4(R)	
	76 1,1,2,2-Tetrachloroethane	83	8.256	8.254	(0.934)	83513	52.8846	52.9	
	77 trans-1,4-Dichloro-2-butene	53	8.277	8.276	(1.127)	87941	182.236	182(Q)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	1,2,3-Trichloropropane	110	8.282	8.287	(0.937)	26499	56.9718	57.0(Q)	
79	n-Propylbenzene	91	8.309	8.313	(0.940)	208022	17.1452	17.1(R)	
80	2-Chlorotoluene	91	8.363	8.361	(0.946)	152288	22.2142	22.2(R)	
81	1,3,5-Trimethylbenzene	105	8.421	8.420	(0.953)	154662	18.6615	18.7(R)	
82	4-Chlorotoluene	126	8.437	8.436	(0.955)	47885	19.6899	19.7(R)	
83	tert-Butylbenzene	119	8.603	8.602	(0.973)	142813	14.8248	14.8(R)	
84	1,2,4-Trimethylbenzene	105	8.635	8.634	(0.977)	157977	18.6054	18.6(R)	
85	sec-Butylbenzene	105	8.726	8.730	(0.987)	172105	15.0705	15.1(R)	
86	1,3-Dichlorobenzene	146	8.795	8.794	(0.995)	91369	20.1782	20.2(R)	
87	p-Isopropyltoluene	119	8.811	8.815	(0.997)	129767	13.4709	13.5(R)	
* 88	1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.842	(1.000)	138775	50.0000		
89	1,4-Dichlorobenzene	146	8.854	8.853	(1.002)	90306	19.2593	19.2(R)	
90	n-Butylbenzene	91	9.030	9.029	(1.022)	91396	10.3705	10.4(R)	
91	1,2-Dichlorobenzene	146	9.046	9.045	(1.024)	100447	24.3942	24.4(R)	
92	1,2-Dibromo-3-chloropropane	155	9.452	9.456	(1.069)	12286	53.5308	53.5	
93	1,2,4-Trichlorobenzene	180	9.863	9.867	(1.116)	57738	21.3011	21.3(R)	
94	Hexachlorobutadiene	225	9.928	9.932	(1.123)	13703	8.28065	8.28(R)	
95	Naphthalene	128	10.002	10.006	(1.132)	219715	40.7925	40.8	
96	1,2,3-Trichlorobenzene	180	10.114	10.124	(1.144)	63306	25.9271	25.9(R)	
97	2,methyl-naphthalene	142	10.633	10.642	(1.203)	108730	33.9560	34.0	
98	1-Methylnaphthalene	142	10.745	10.759	(1.216)	126653	47.7846	47.8	
99	Isopropyl Acetate	61	3.892	3.885	(0.932)	125076	281.485	281	
100	Ethyl Acetate	88	2.851	2.849	(0.683)	1429	30.1268	30.1(Q)	
101	n-amyl Acetate	70	7.951	7.950	(1.904)	153445	53.4964	53.5	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d
Date : 07-OCT-2016 10:05
Client ID: MW-0603-S1(091716)P
Instrument: 50mv3b.i
Sample Info: 1642783,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

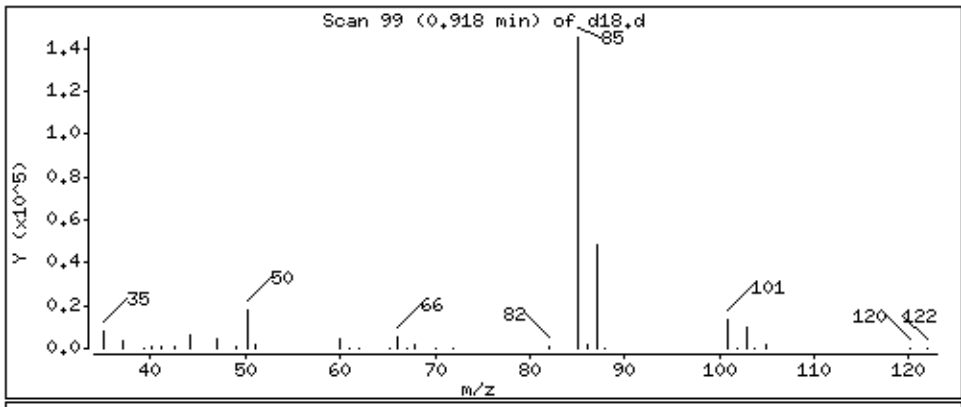
Column phase: DB-624

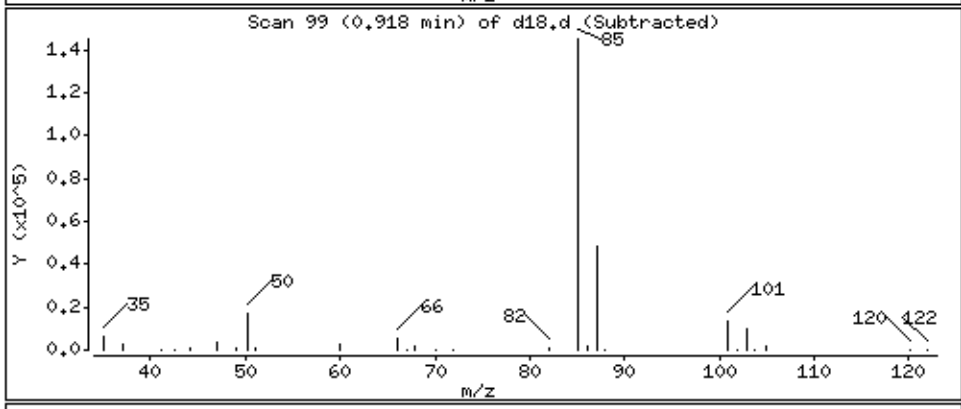
Column diameter: 0.18

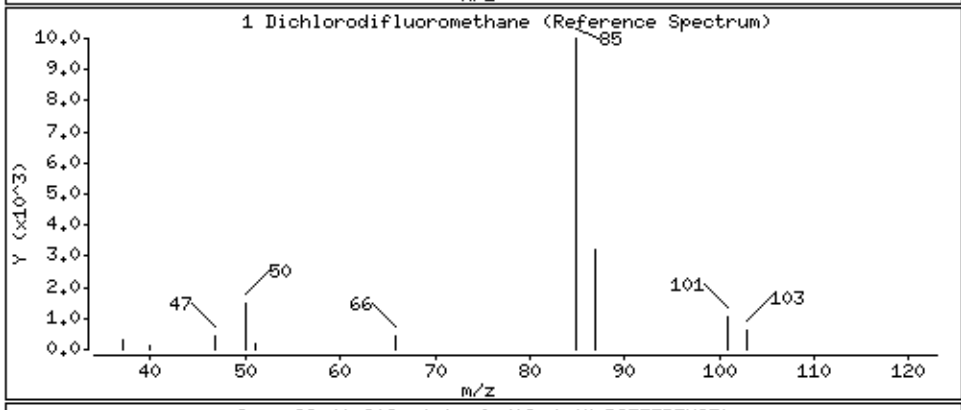
1 Dichlorodifluoromethane

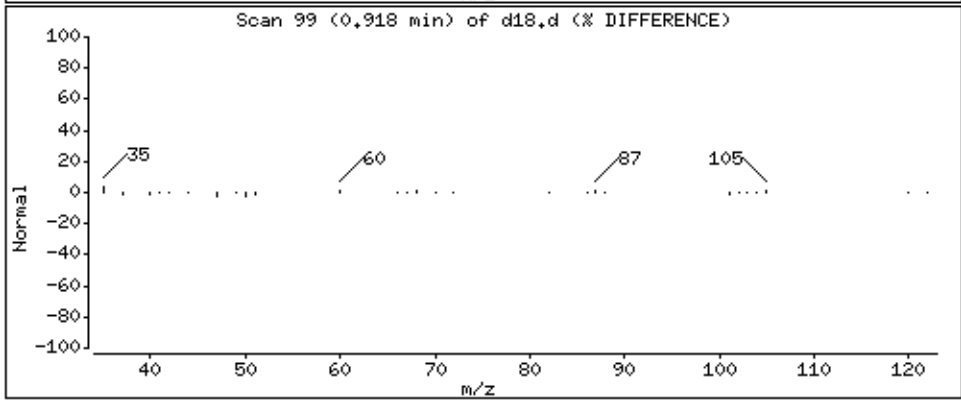
Concentration: 51.0 ppb

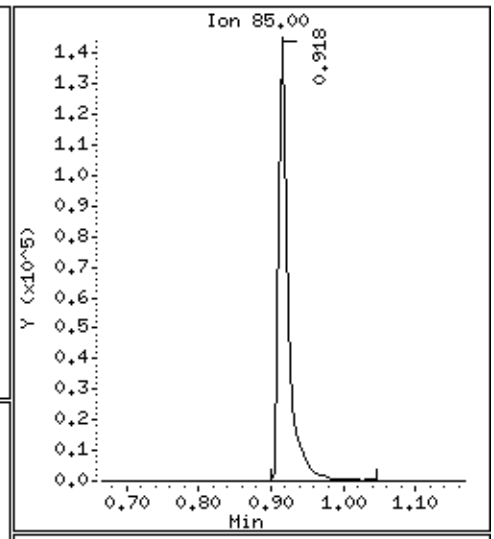
Review Code:

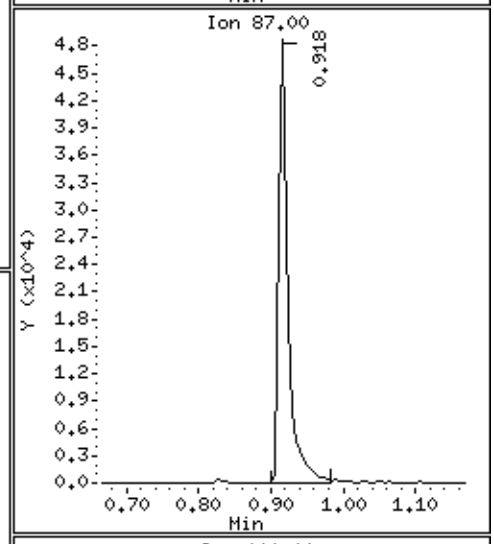


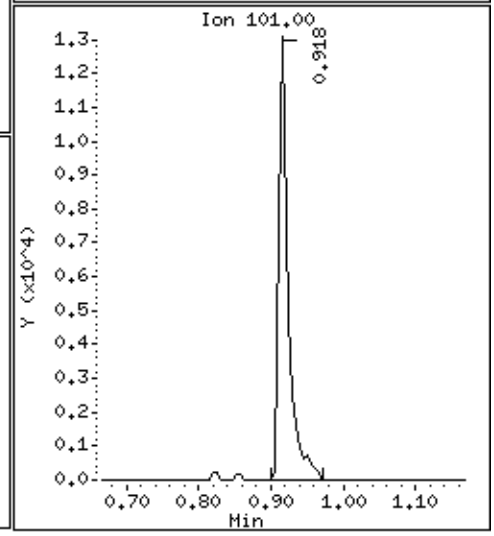












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

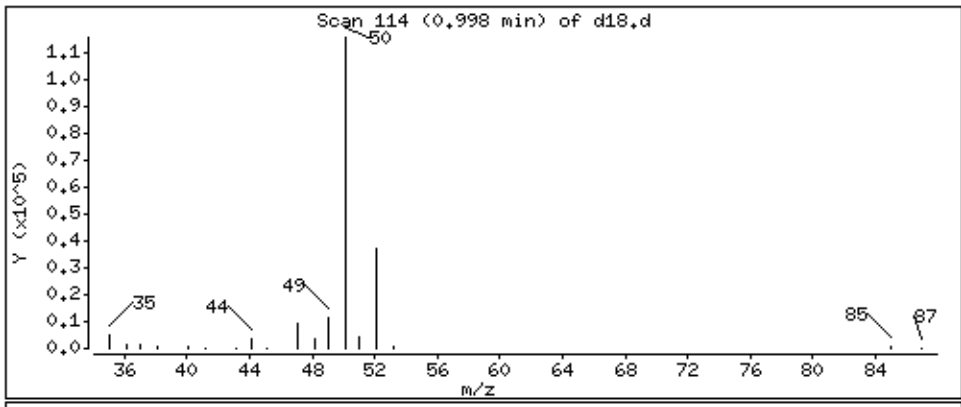
Column phase: DB-624

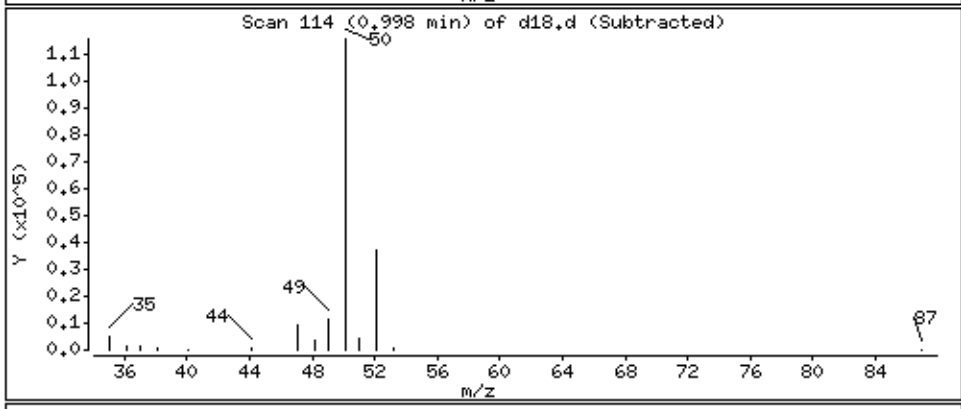
Column diameter: 0.18

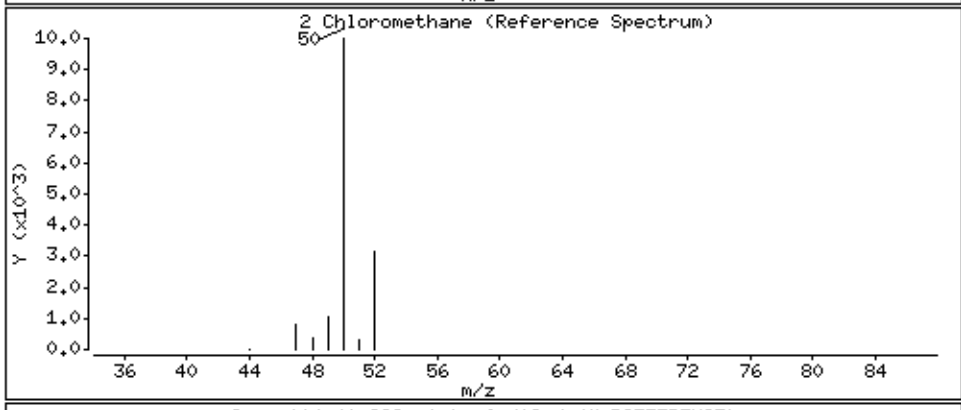
2 Chloromethane

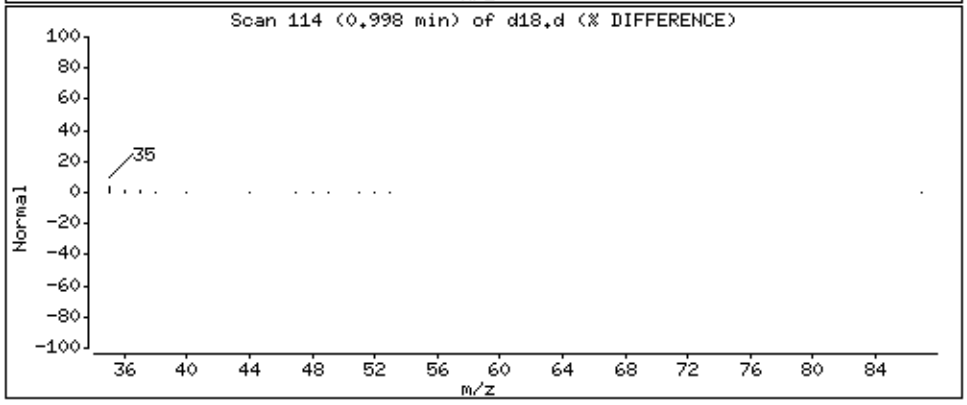
Concentration: 38.9 ppb

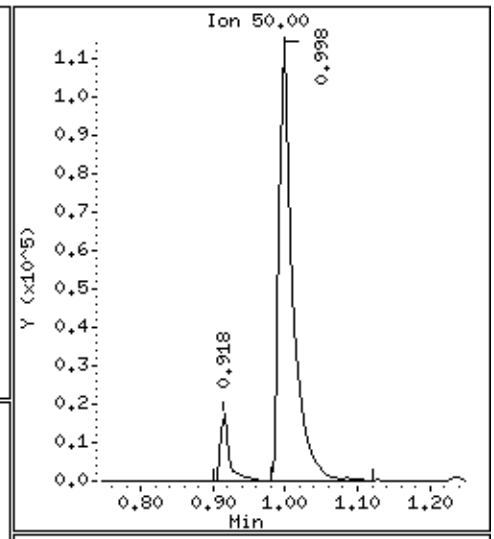
Review Code:

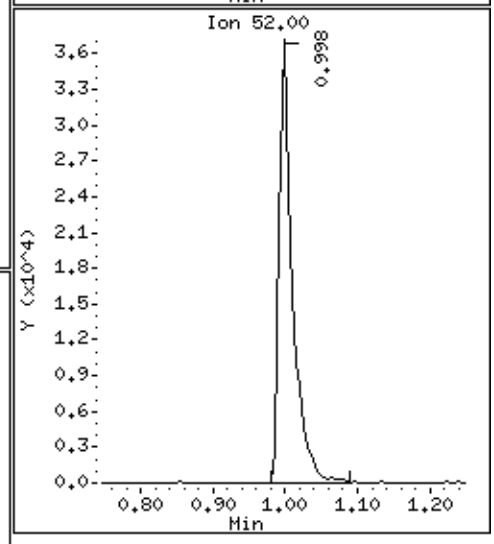












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

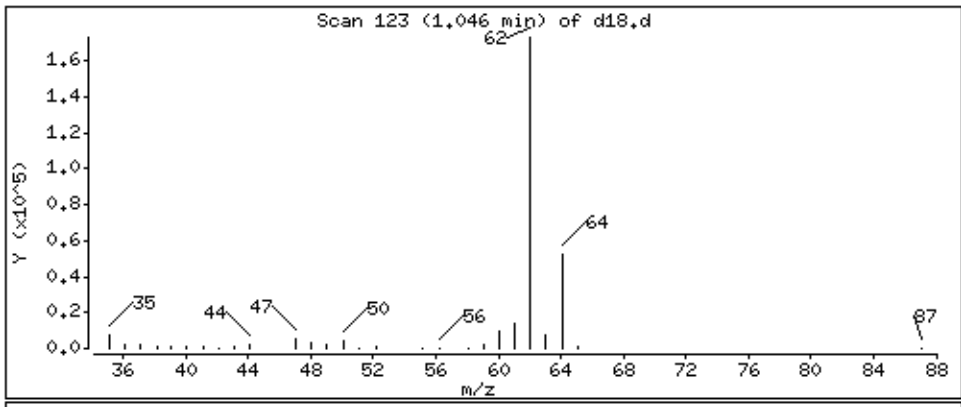
Column phase: DB-624

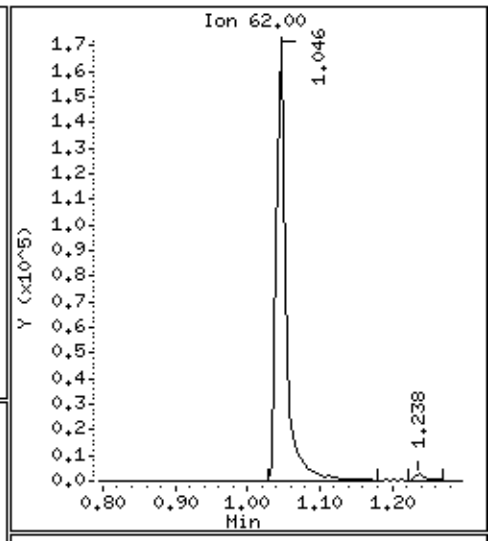
Column diameter: 0.18

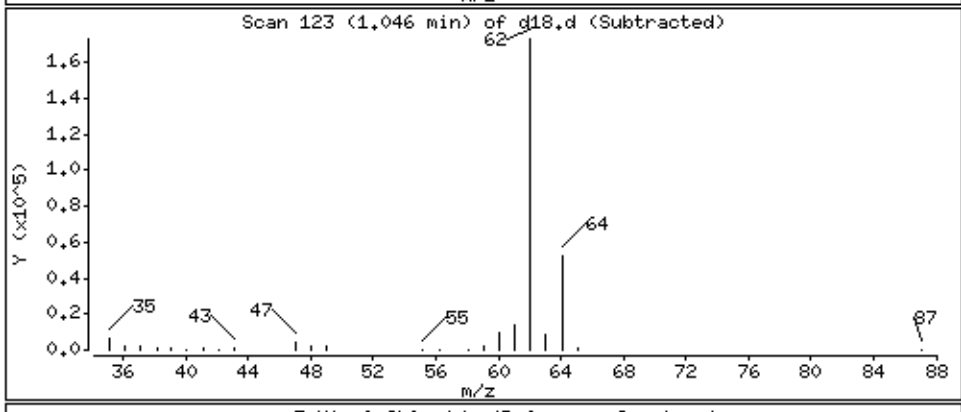
3 Vinyl Chloride

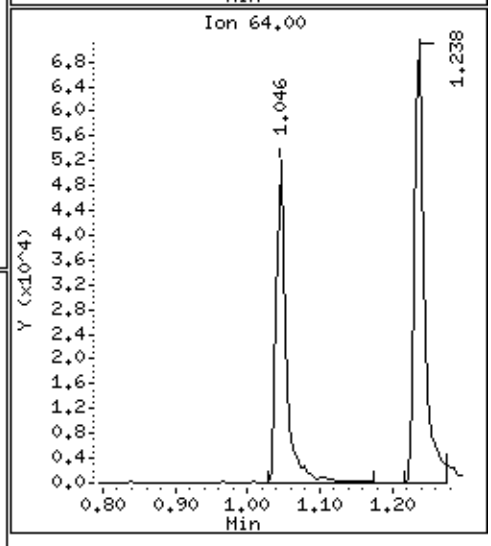
Concentration: 47.5 ppb

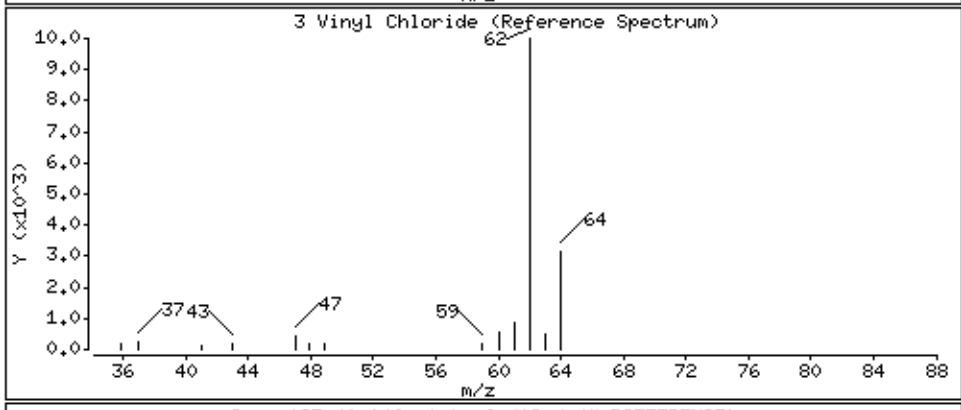
Review Code:

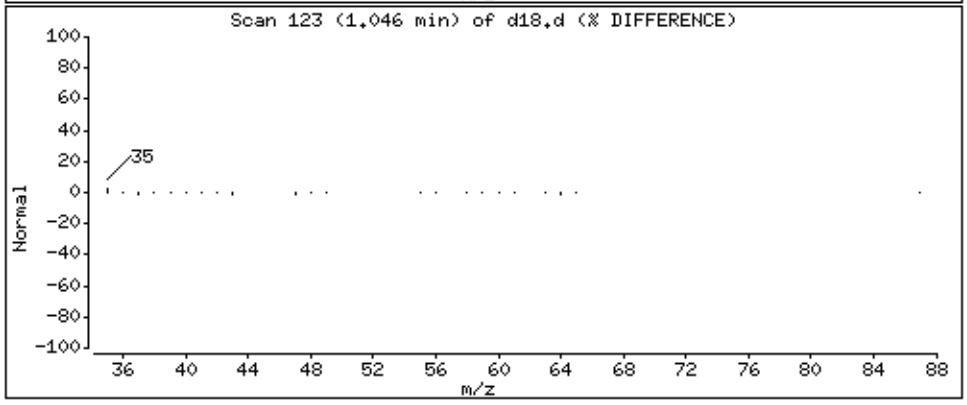












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

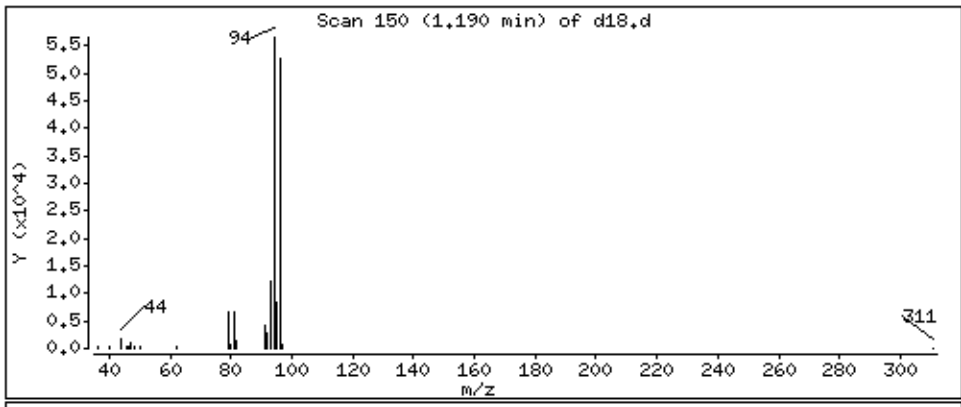
Column phase: DB-624

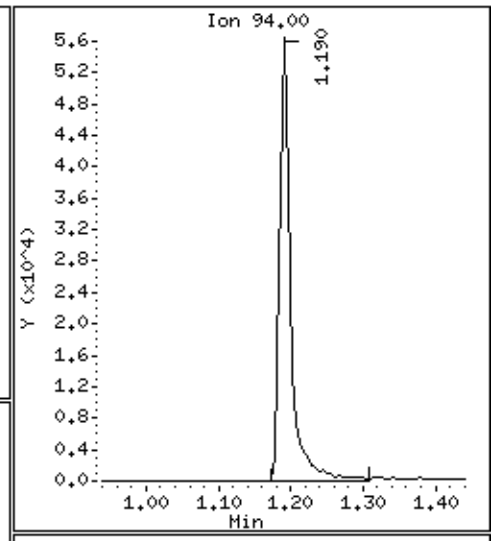
Column diameter: 0.18

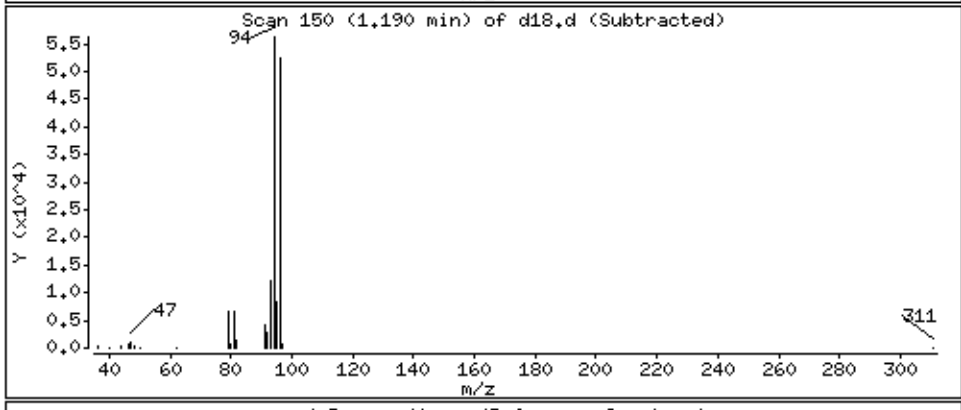
4 Bromomethane

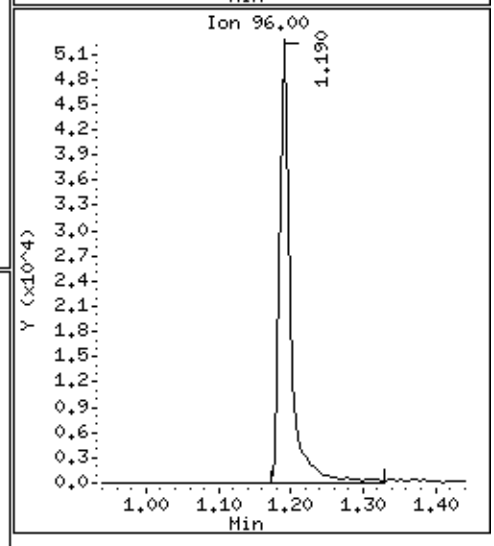
Concentration: 41.4 ppb

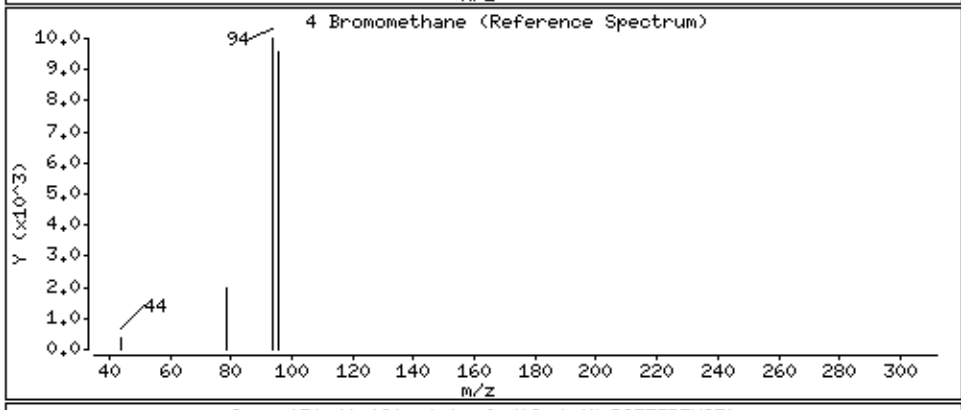
Review Code:

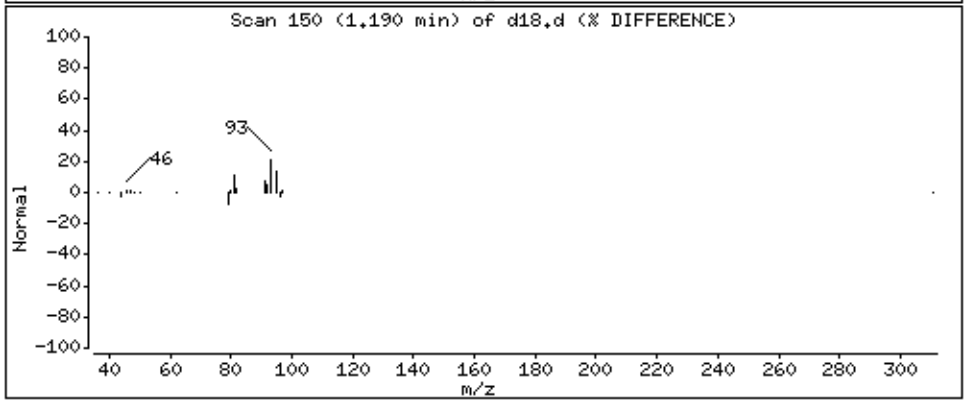












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

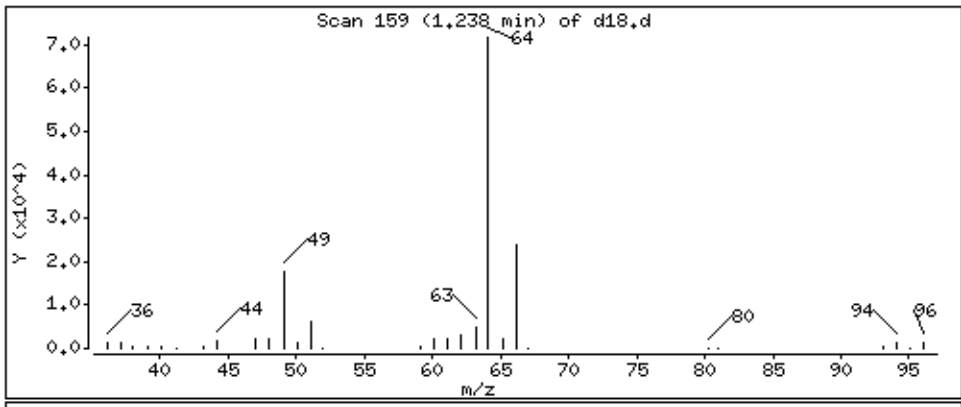
Column phase: DB-624

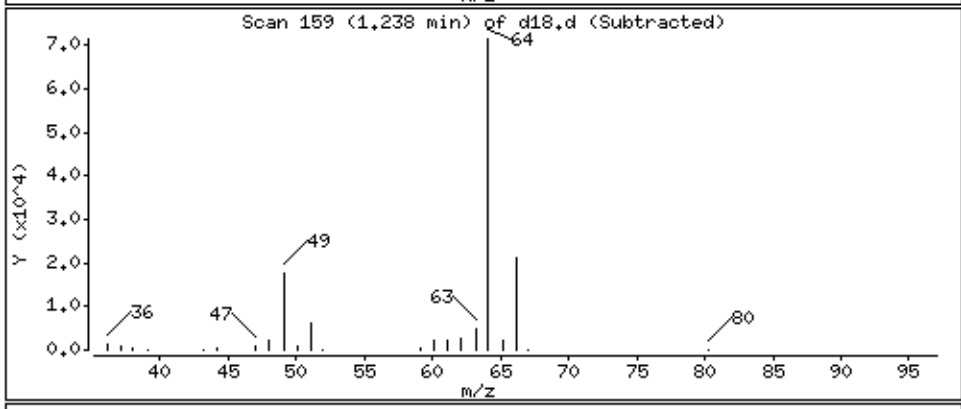
Column diameter: 0.18

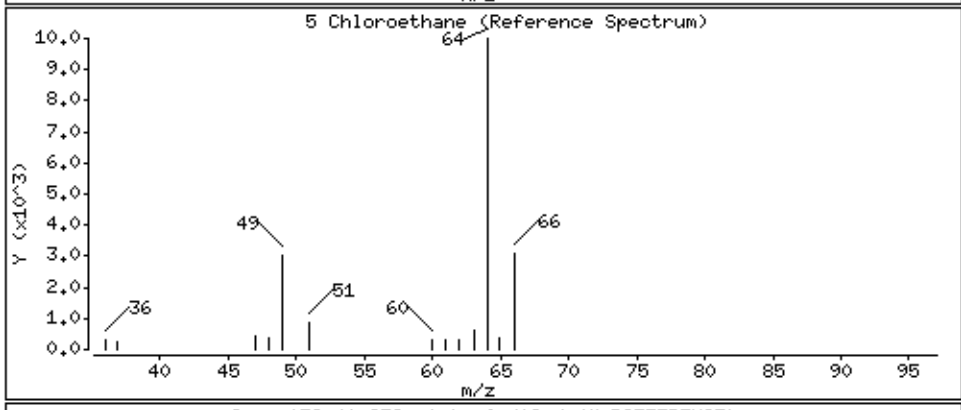
5 Chloroethane

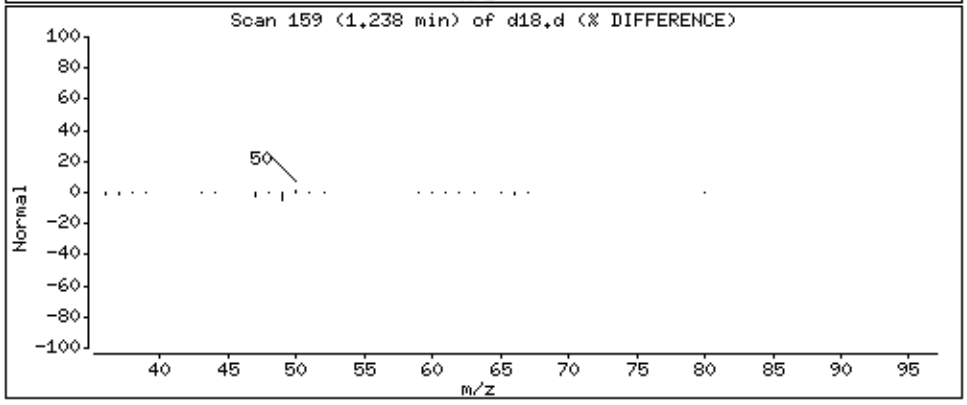
Concentration: 42.2 ppb

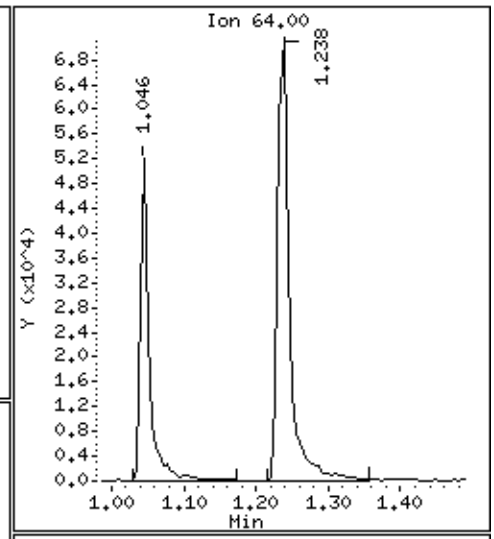
Review Code:

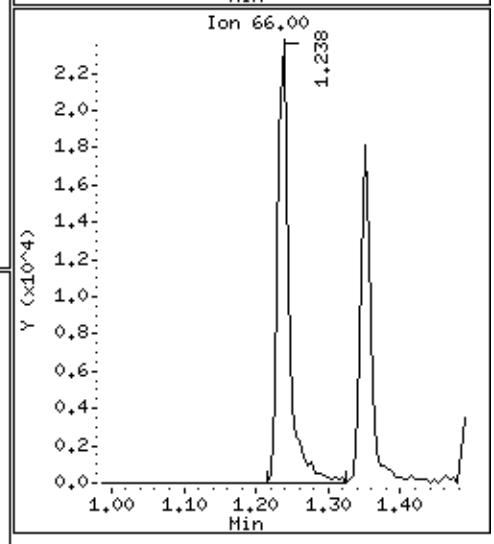












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

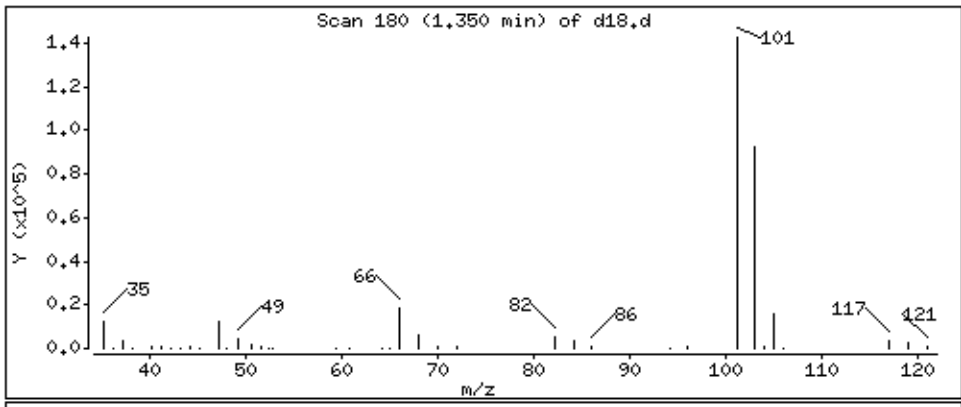
Column phase: DB-624

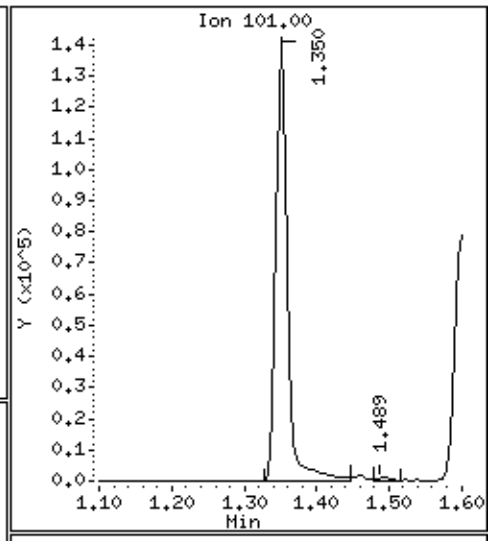
Column diameter: 0.18

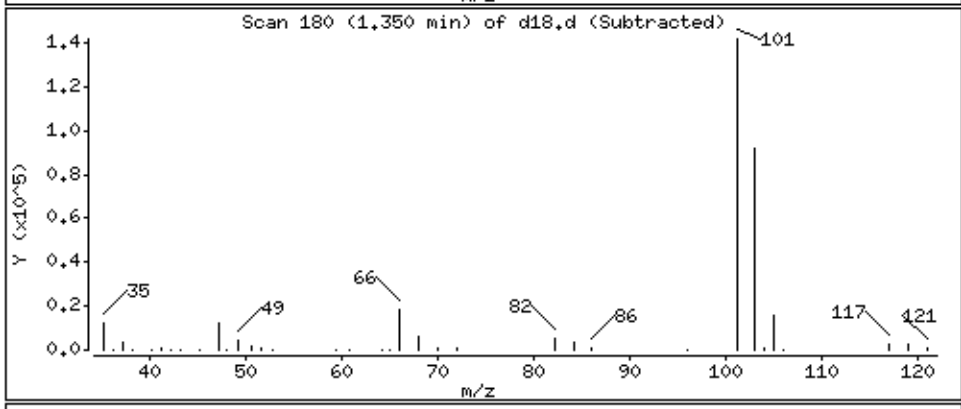
6 Trichlorofluoromethane

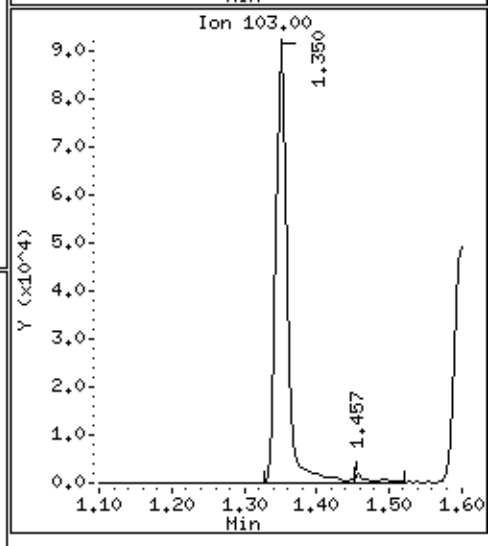
Concentration: 43.3 ppb

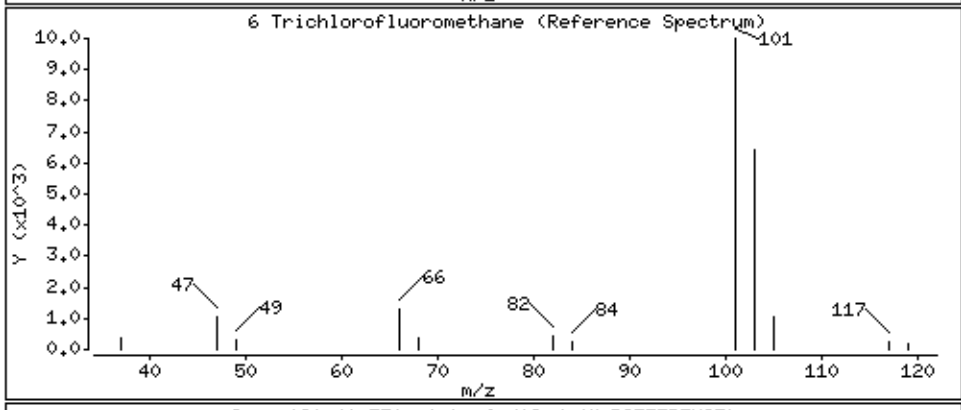
Review Code:

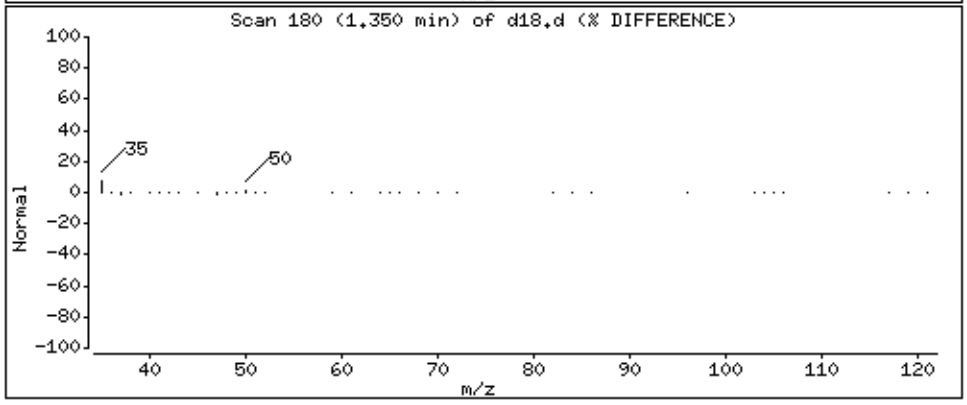












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

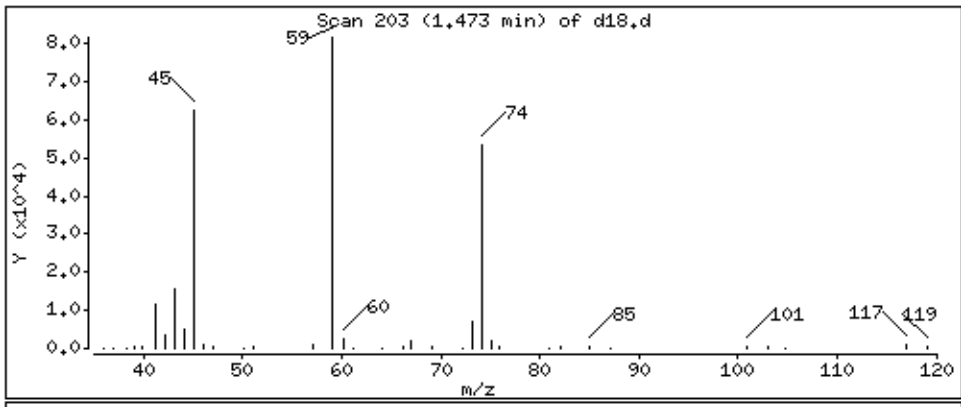
Column phase: DB-624

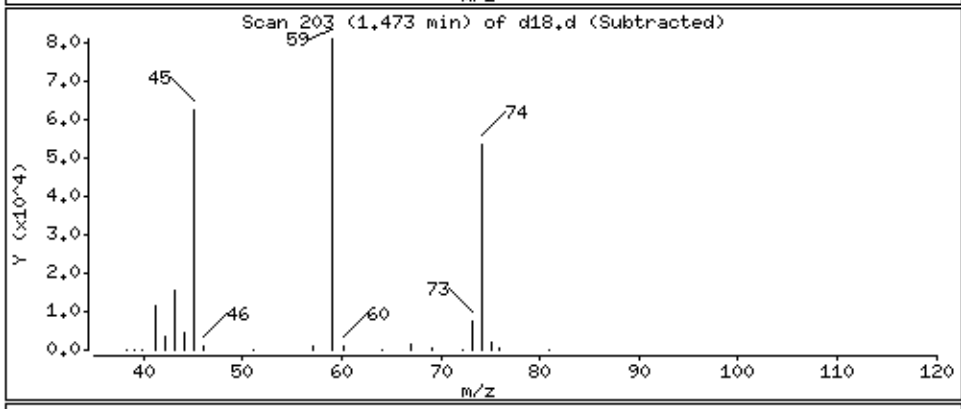
Column diameter: 0.18

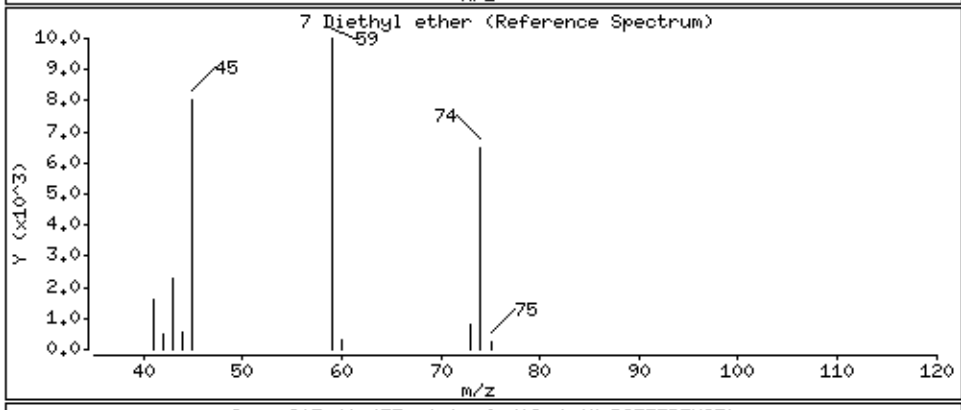
7 Diethyl ether

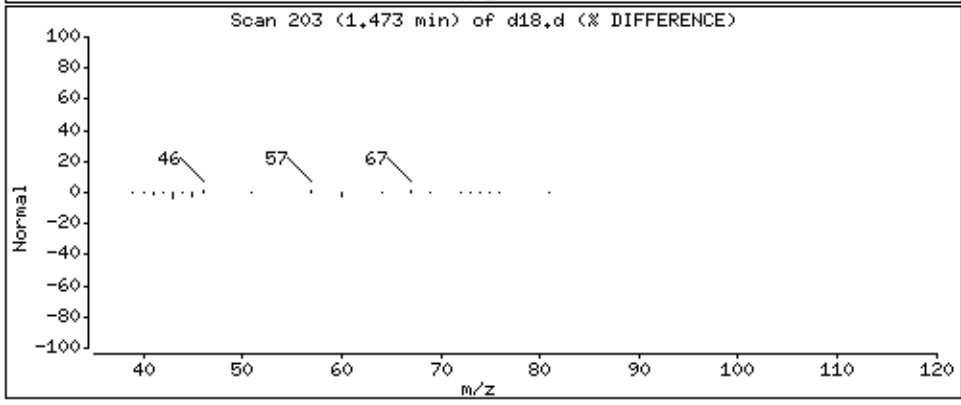
Concentration: 54.0 ppb

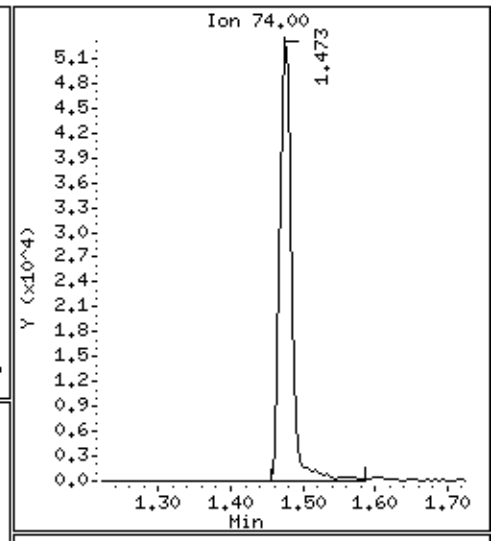
Review Code:

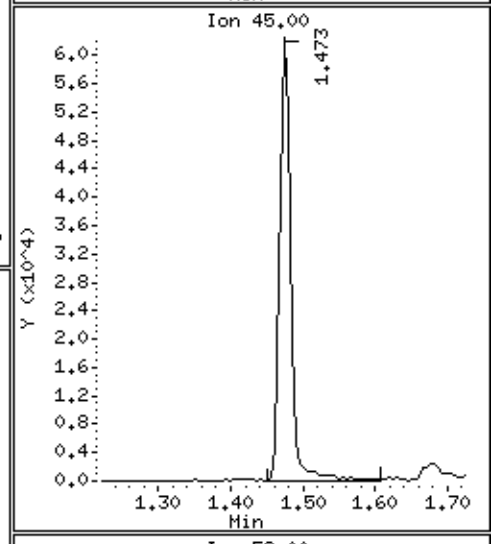


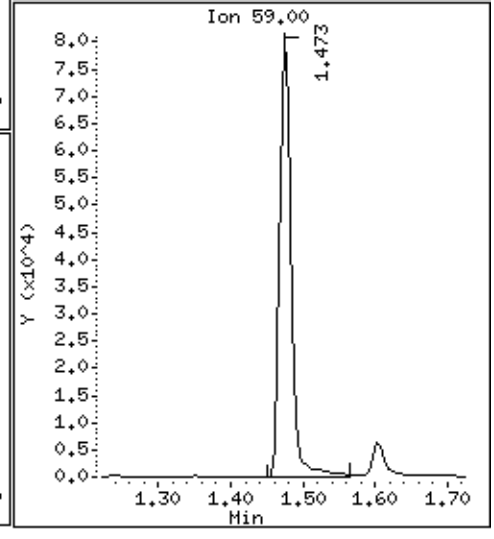












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

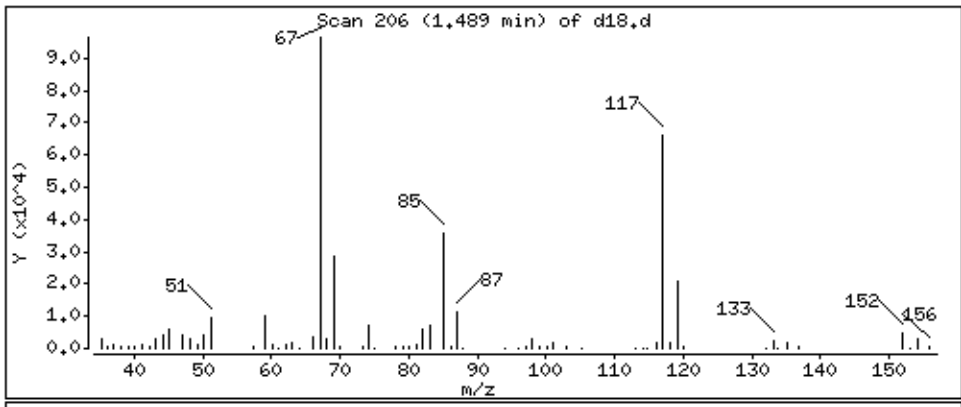
Column phase: DB-624

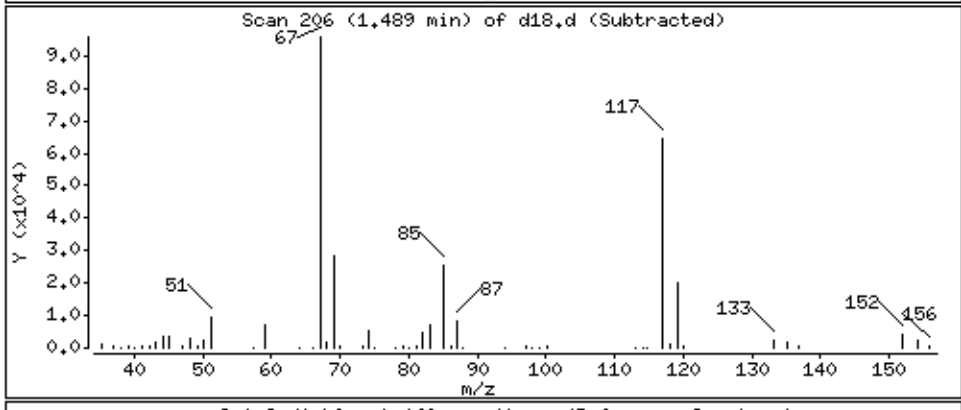
Column diameter: 0.18

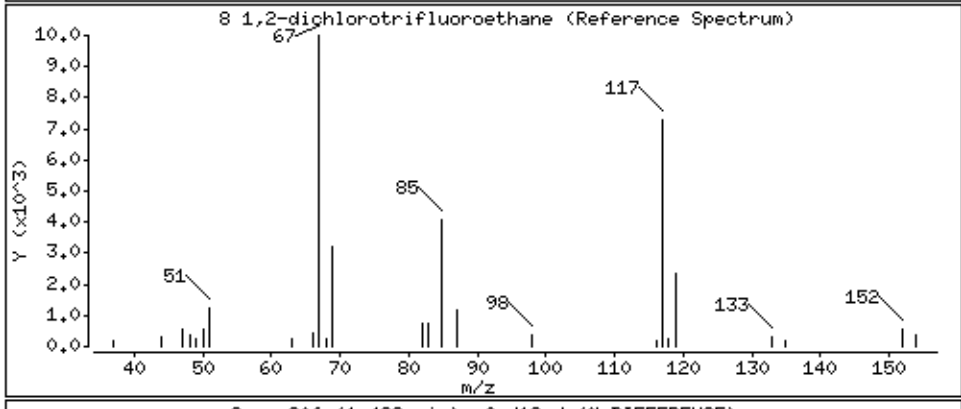
8 1,2-dichlorotrifluoroethane

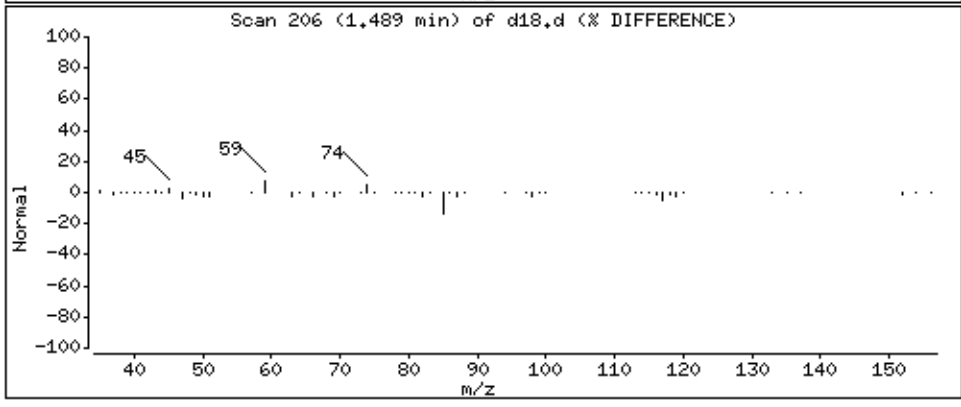
Concentration: 42.6 ppb

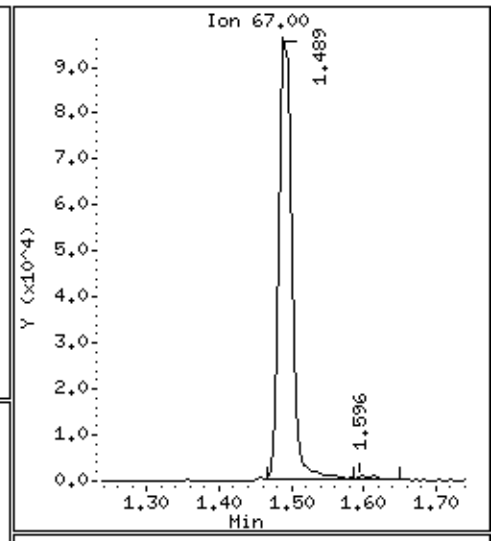
Review Code:

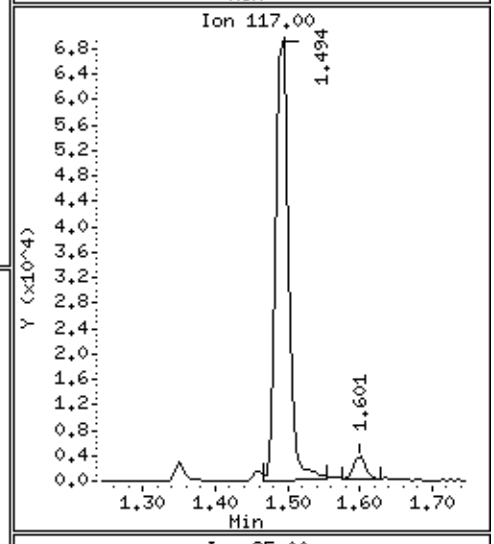


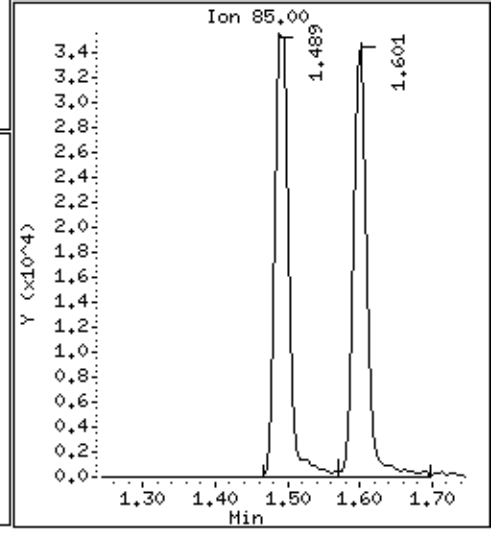












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

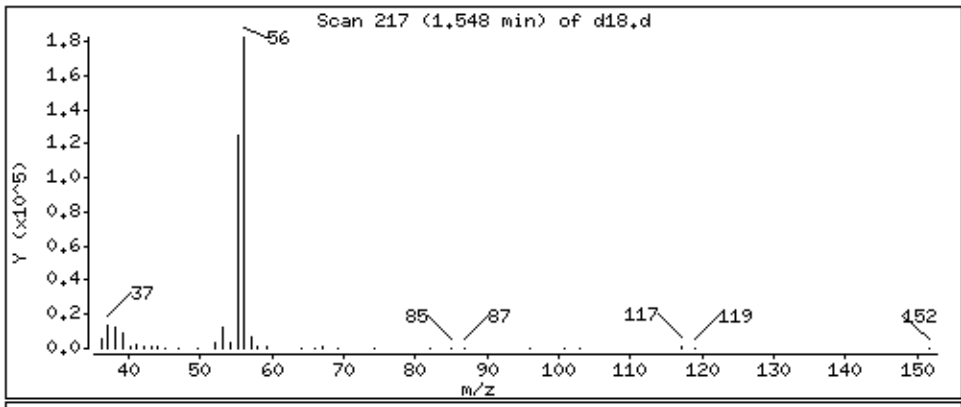
Column phase: DB-624

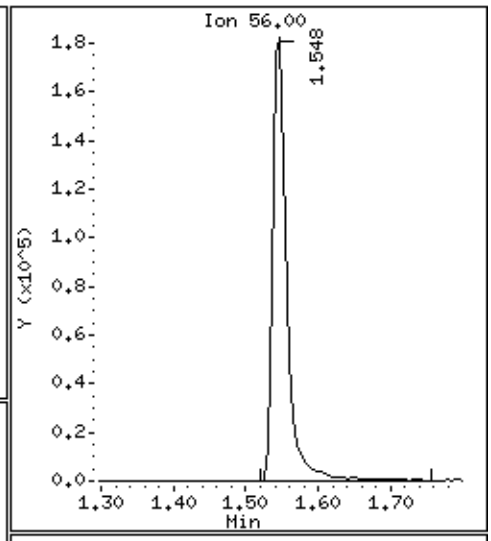
Column diameter: 0.18

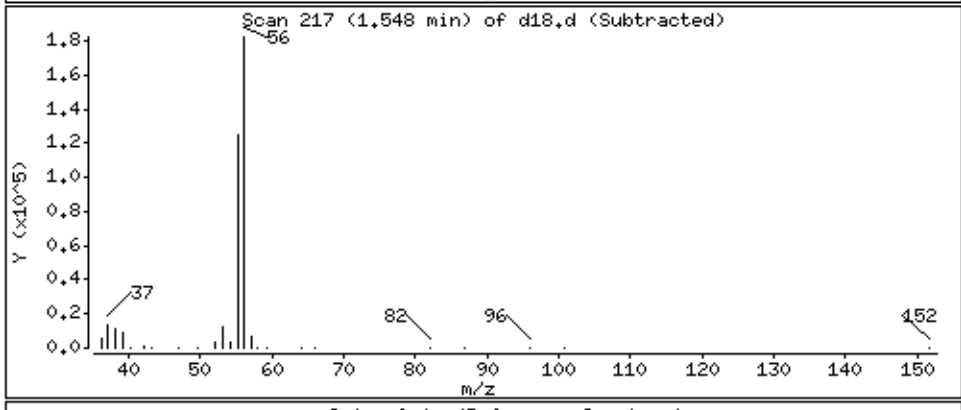
9 Acrolein

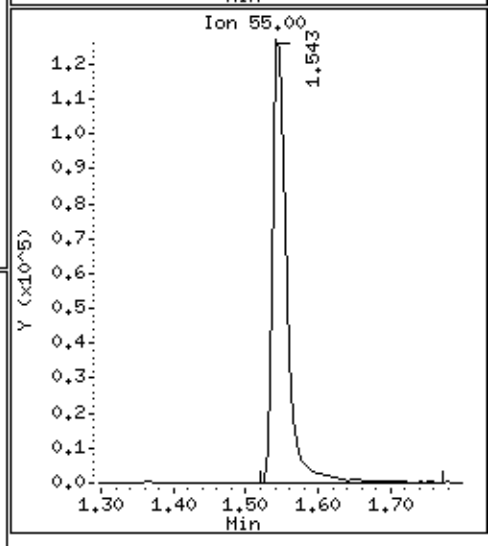
Concentration: 1080 ppb

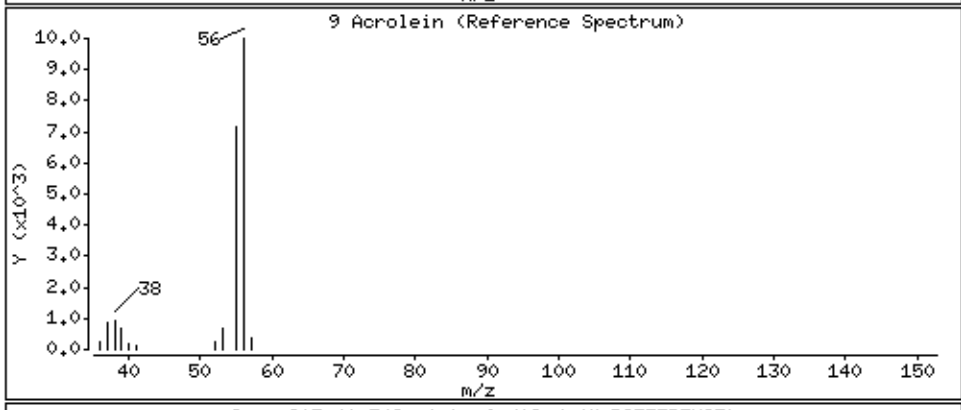
Review Code:

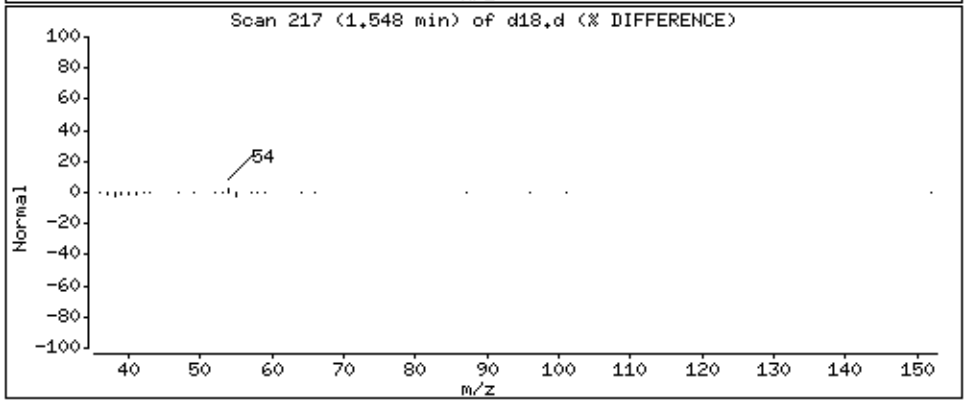












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

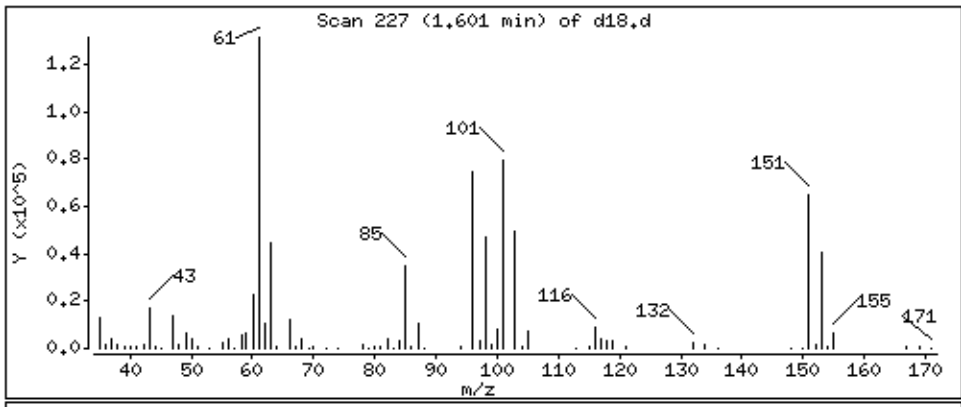
Column phase: DB-624

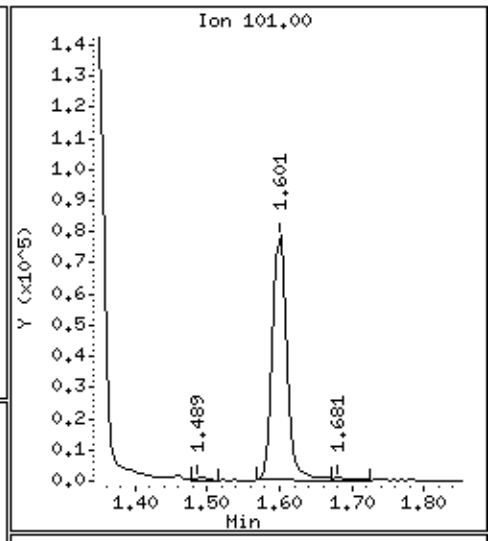
Column diameter: 0.18

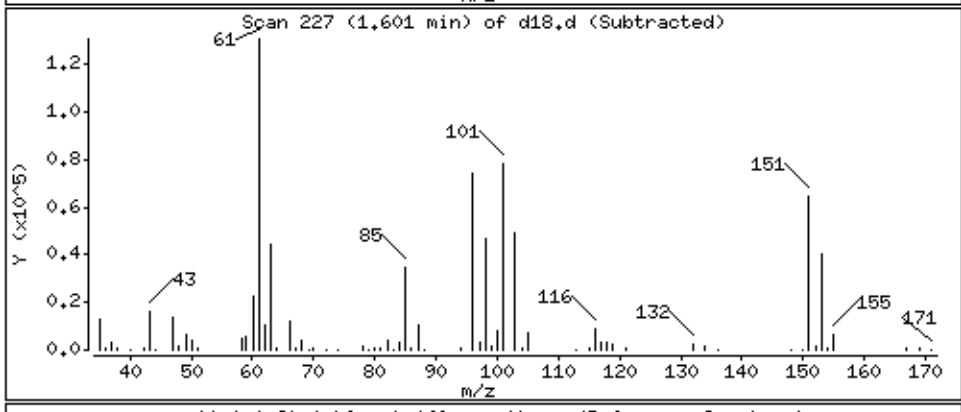
10 1,1,2trichlorotrifluoroethane

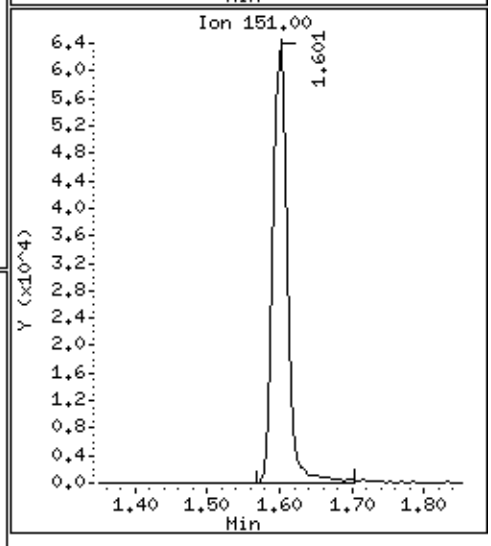
Concentration: 46.4 ppb

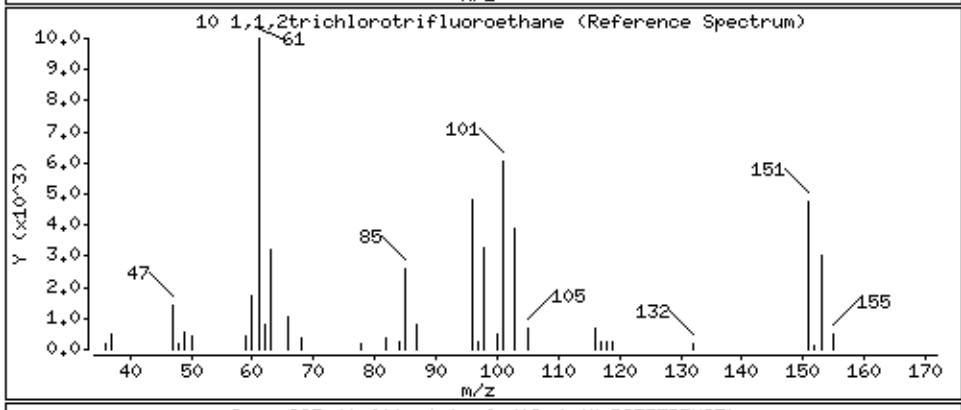
Review Code:

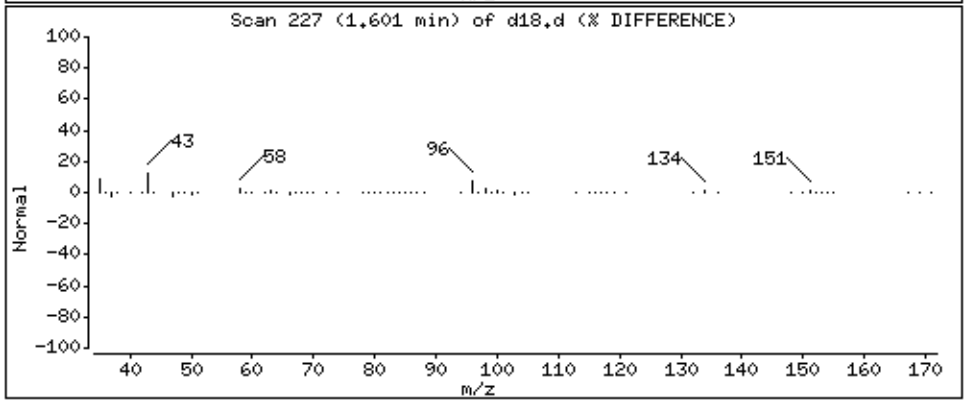












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

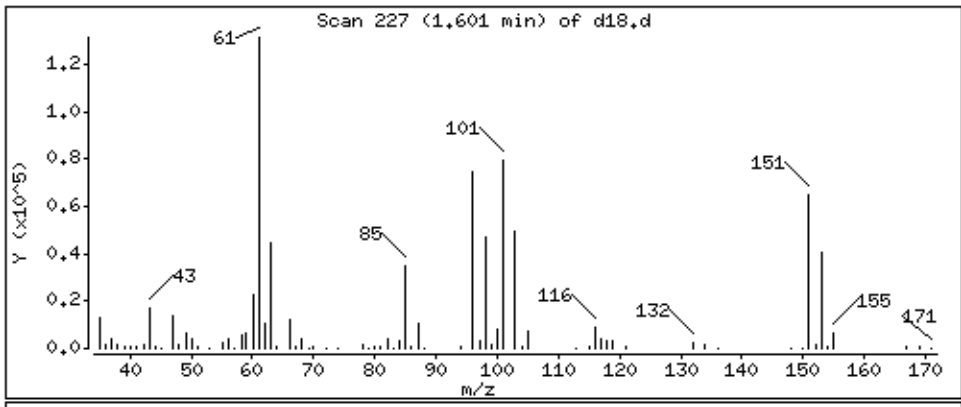
Column phase: DB-624

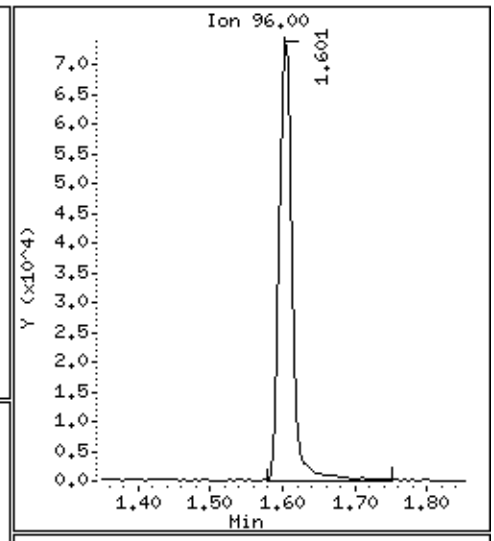
Column diameter: 0.18

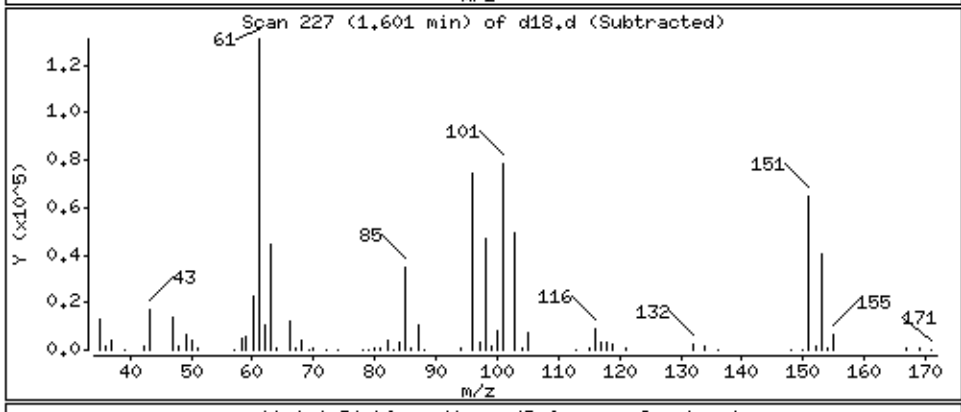
11 1,1-Dichloroethene

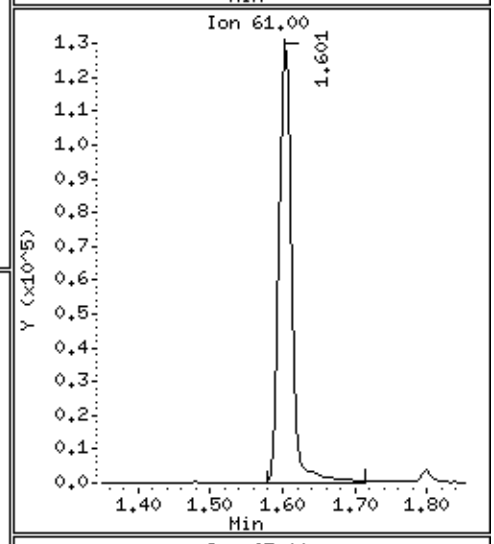
Concentration: 47.5 ppb

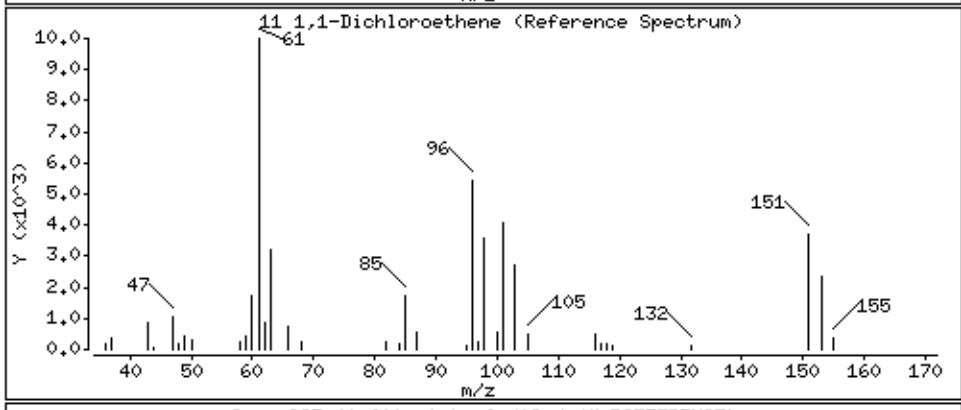
Review Code:

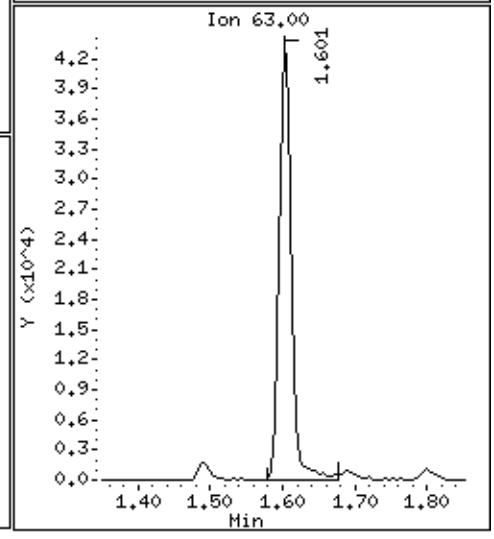


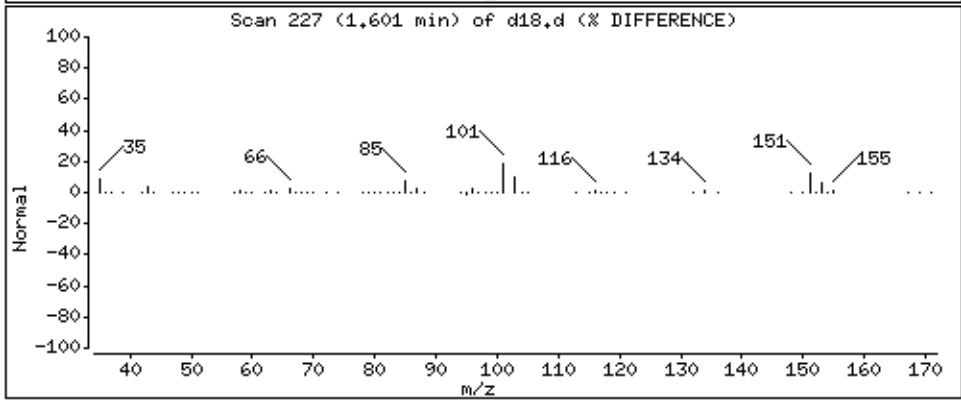












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

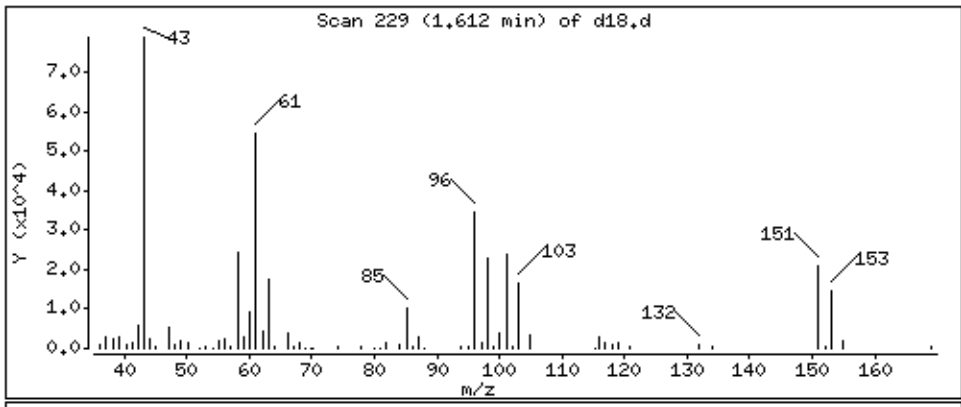
Column phase: DB-624

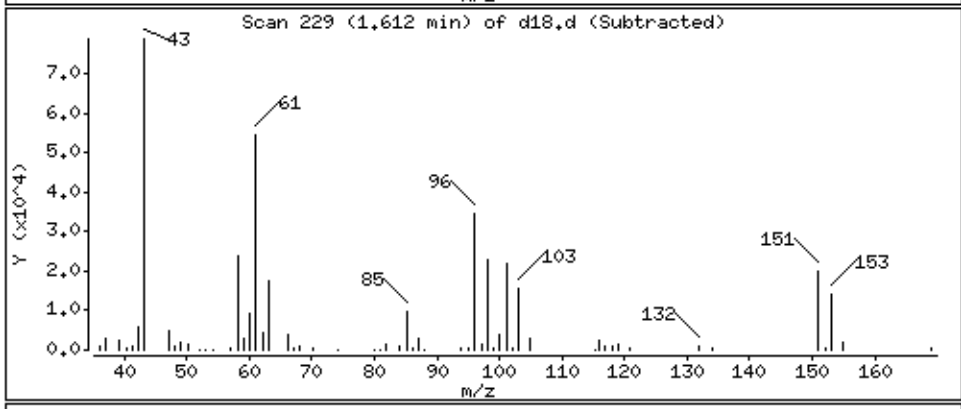
Column diameter: 0.18

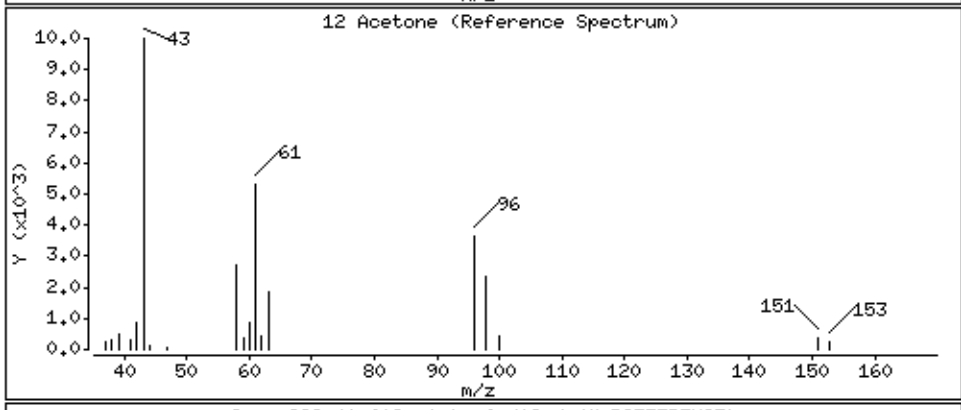
12 Acetone

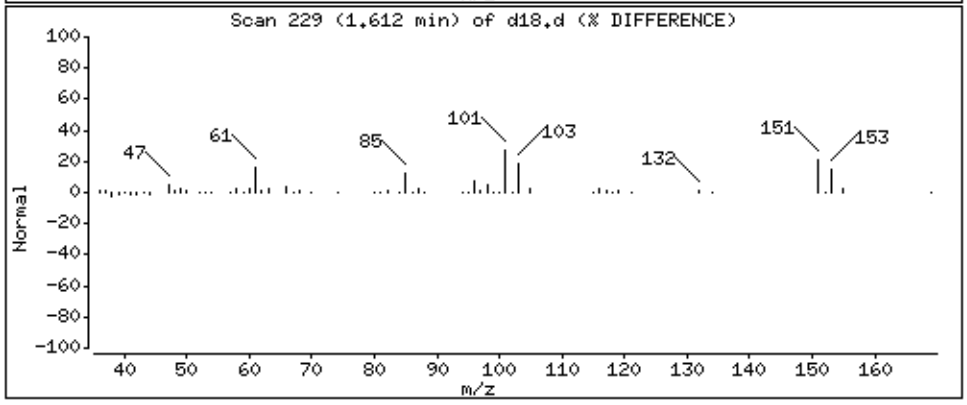
Concentration: 333 ppb

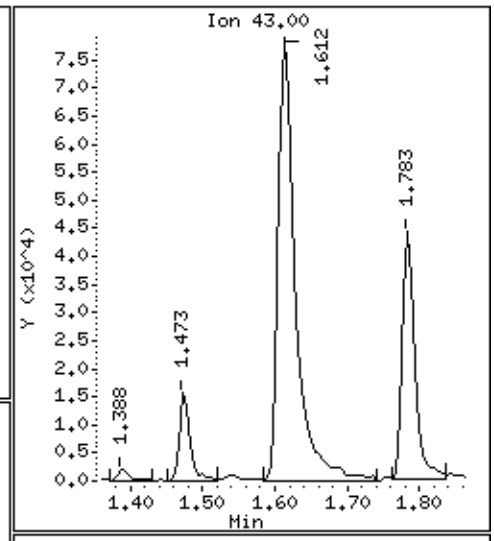
Review Code:

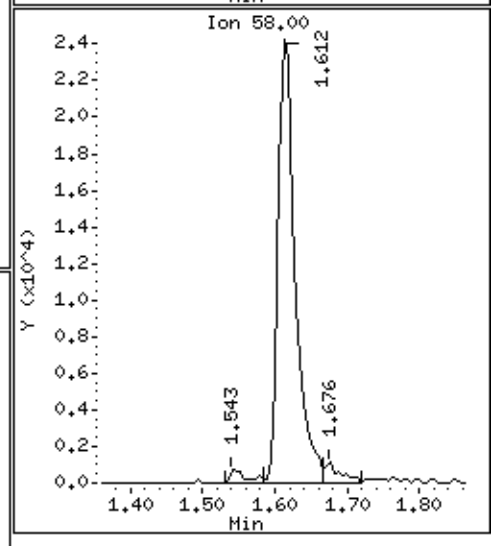












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

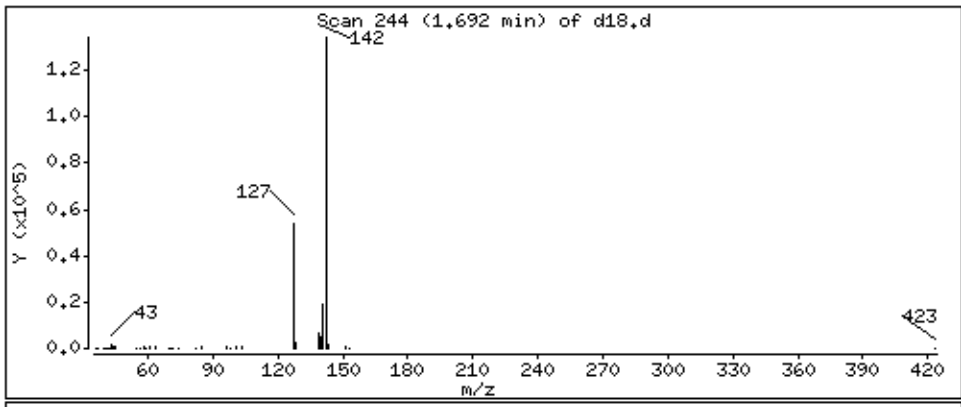
Column phase: DB-624

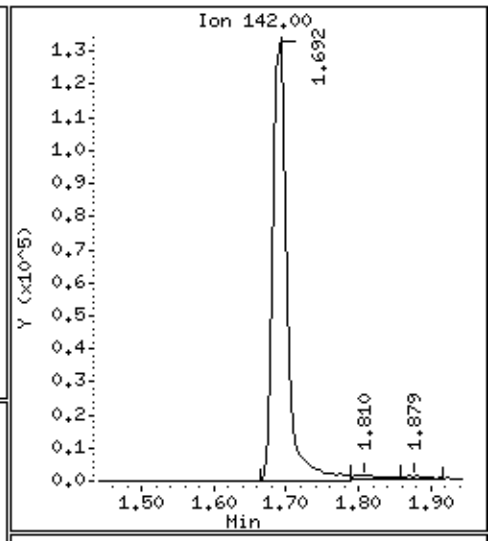
Column diameter: 0.18

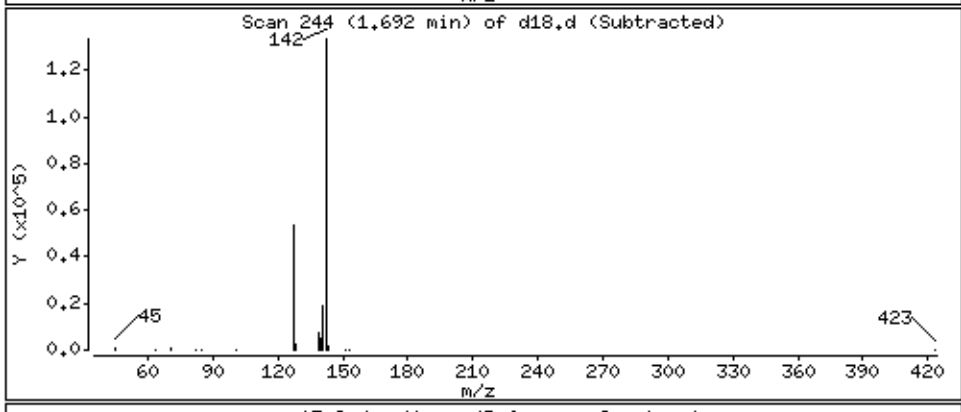
13 Iodomethane

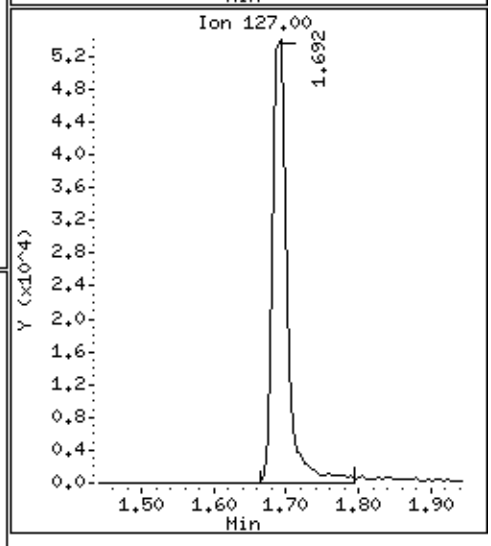
Concentration: 93.6 ppb

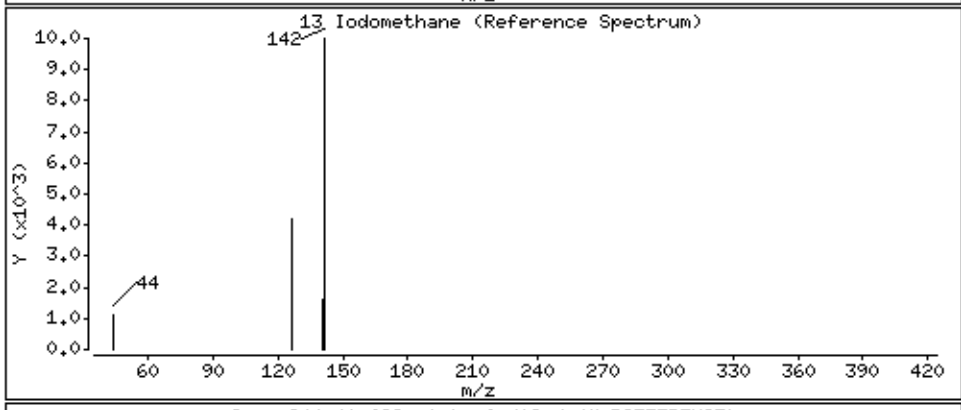
Review Code:

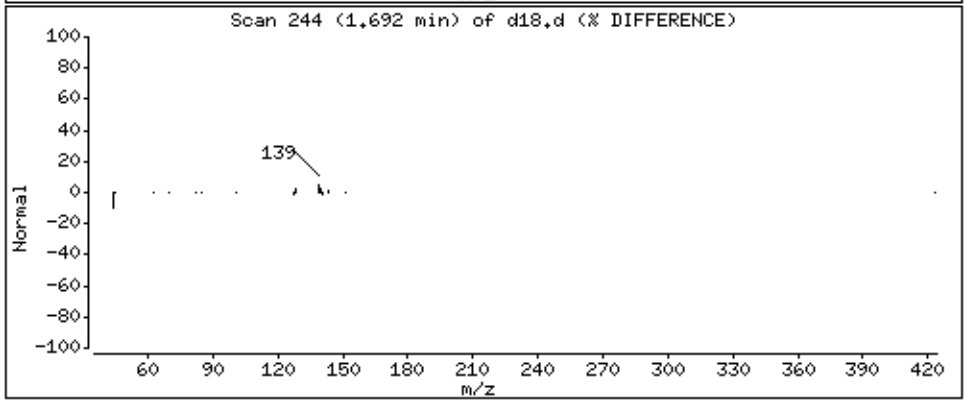












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

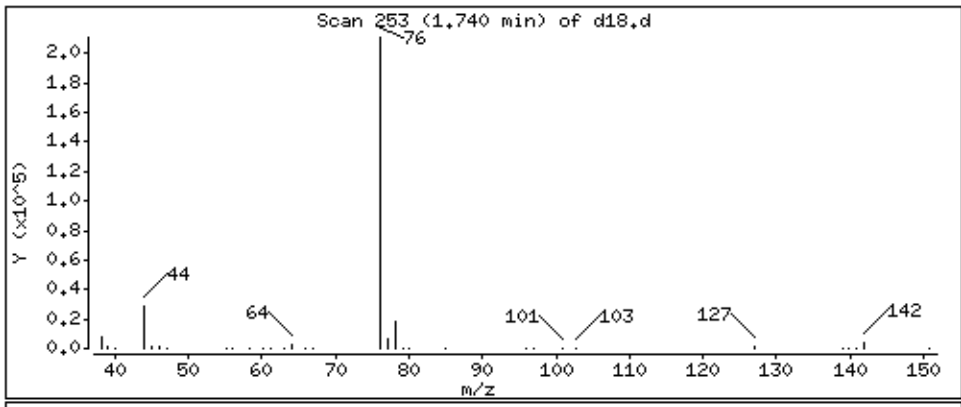
Column phase: DB-624

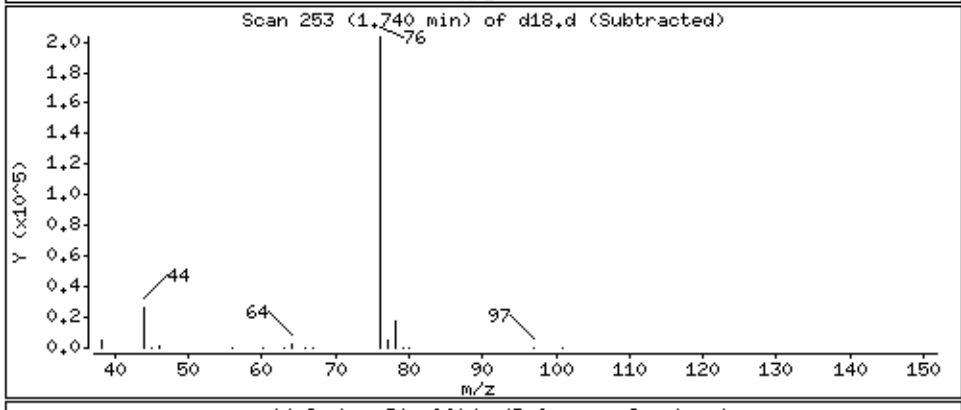
Column diameter: 0.18

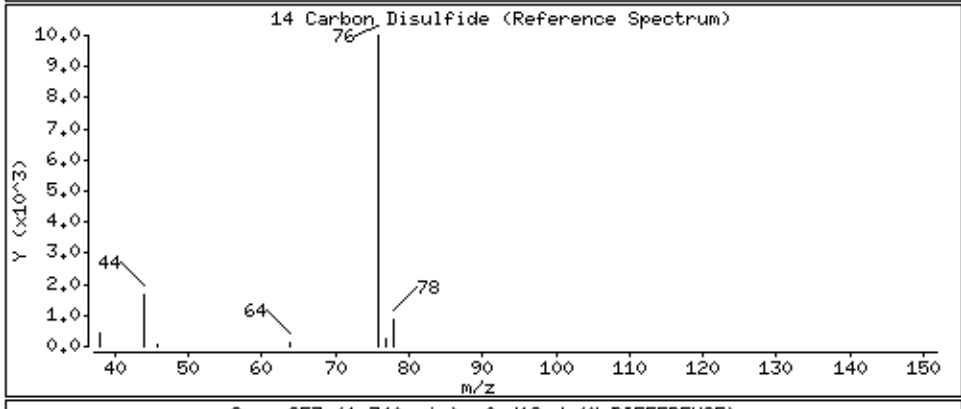
14 Carbon Disulfide

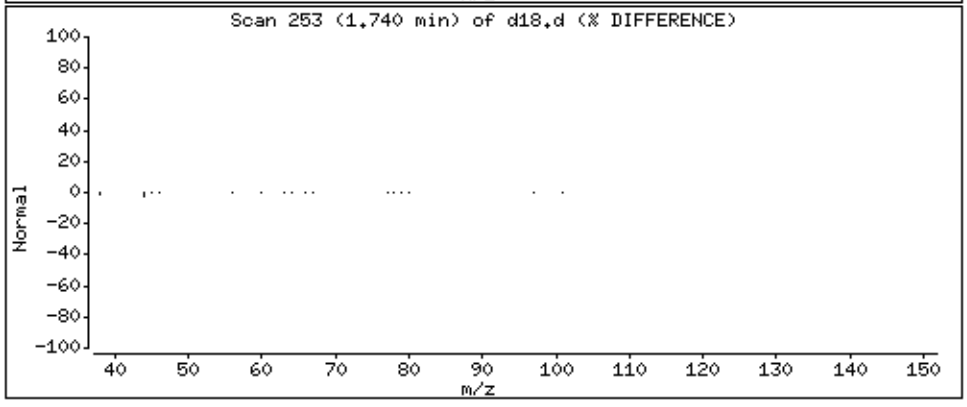
Concentration: 42.0 ppb

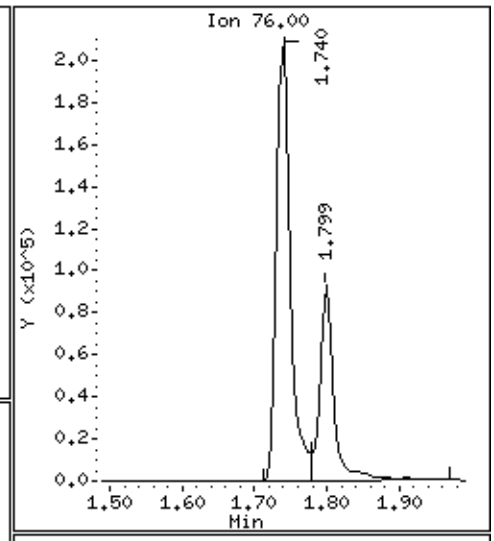
Review Code:

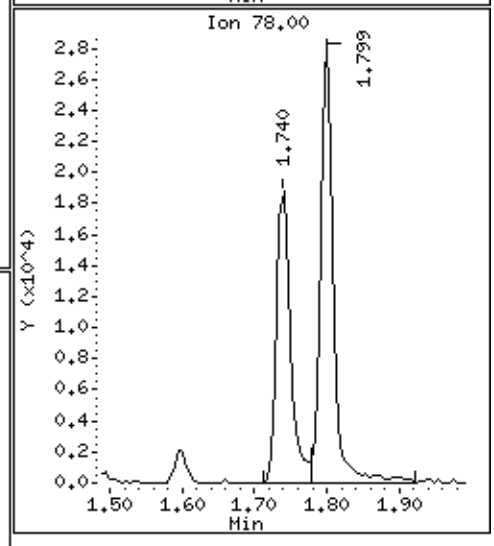












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

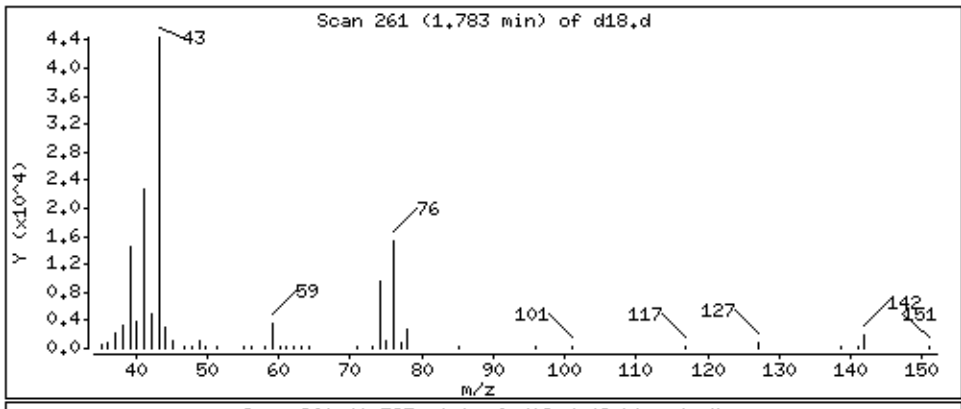
Column phase: DB-624

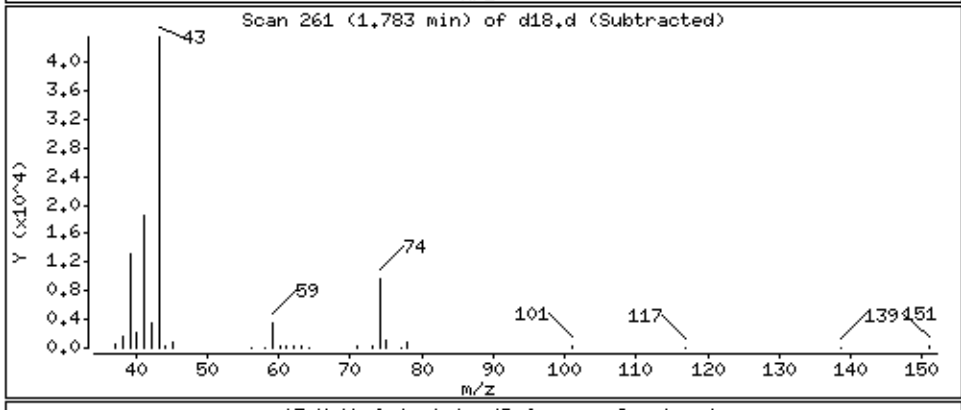
Column diameter: 0.18

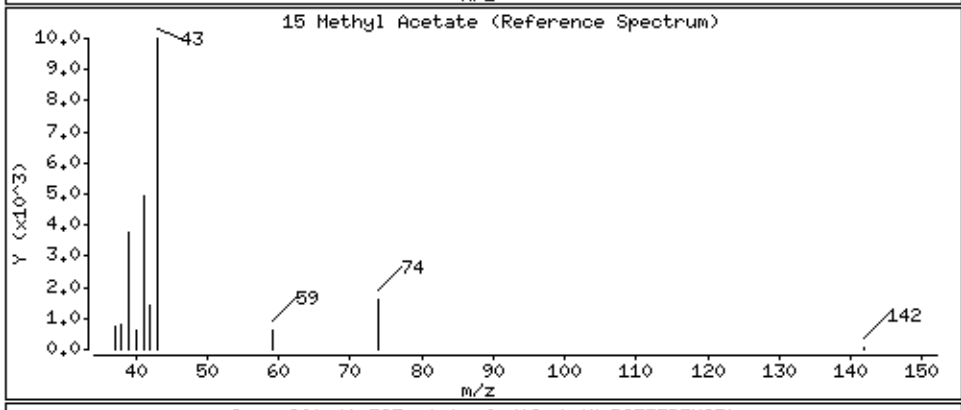
15 Methyl Acetate

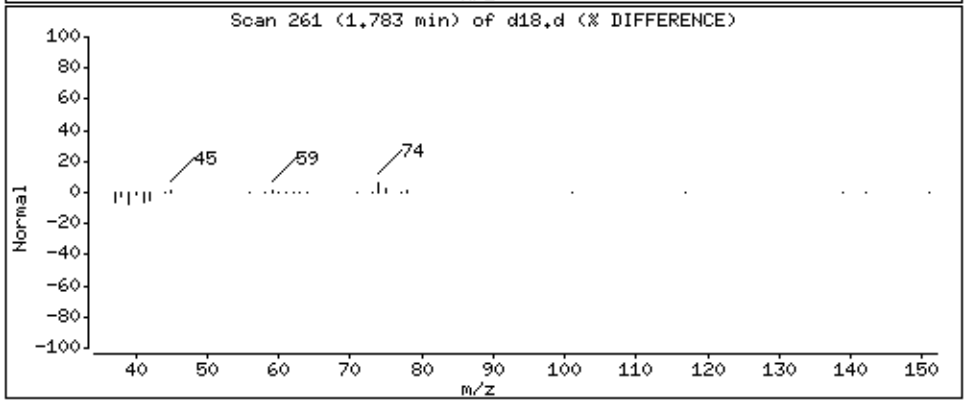
Concentration: 50.2 ppb

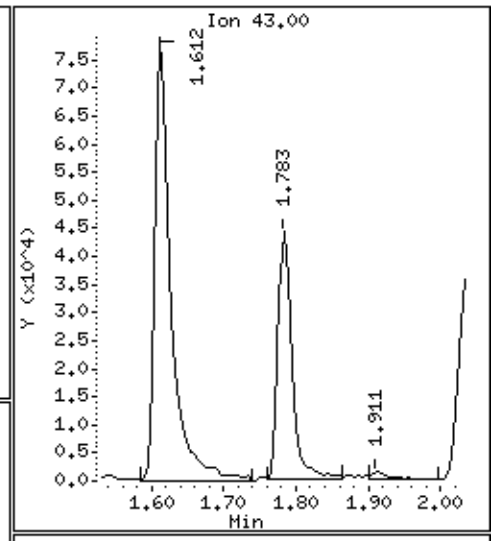
Review Code:

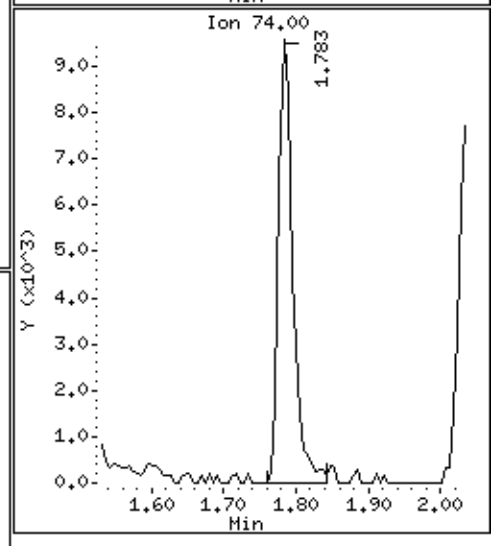












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

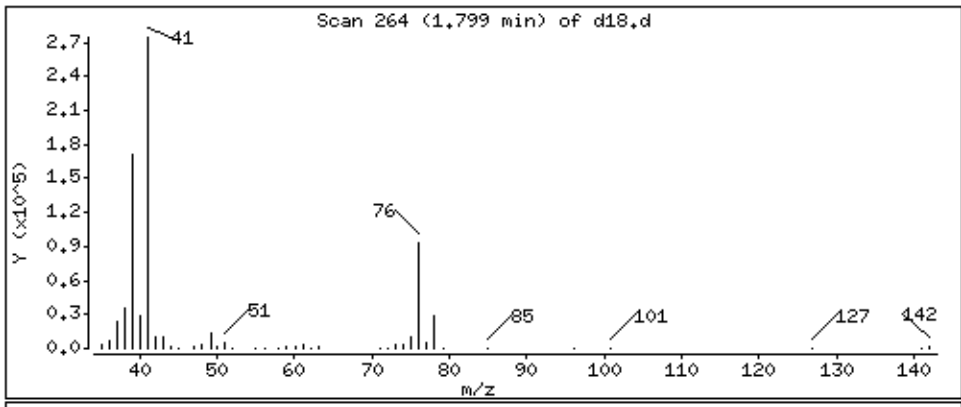
Column phase: DB-624

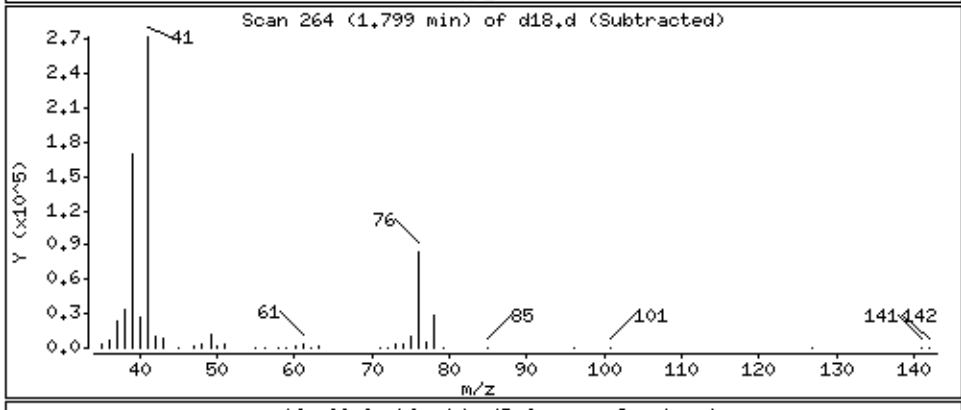
Column diameter: 0.18

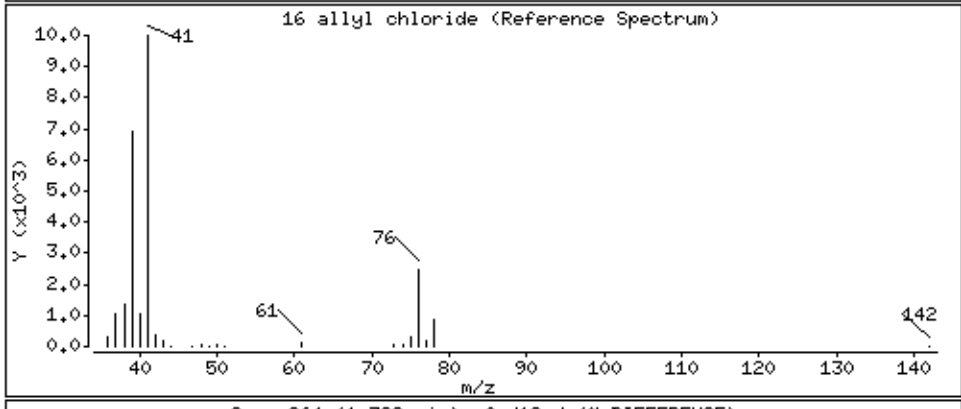
16 allyl chloride

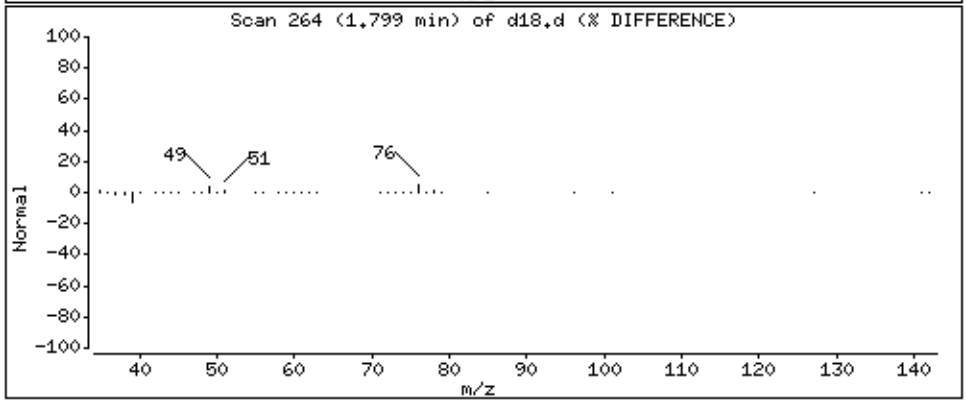
Concentration: 90.2 ppb

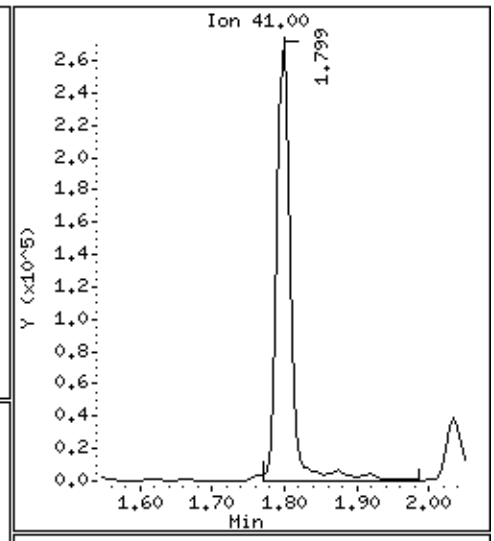
Review Code:

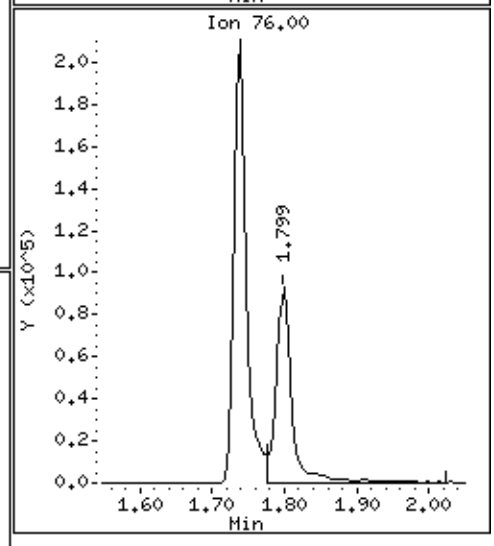












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

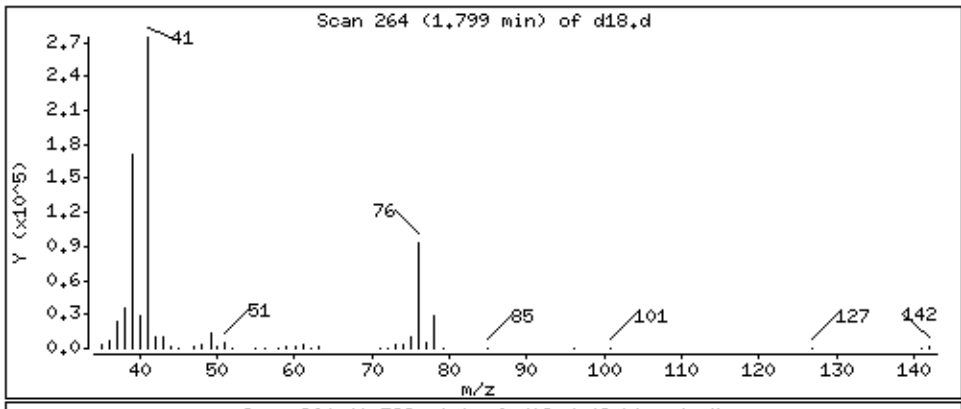
Column phase: DB-624

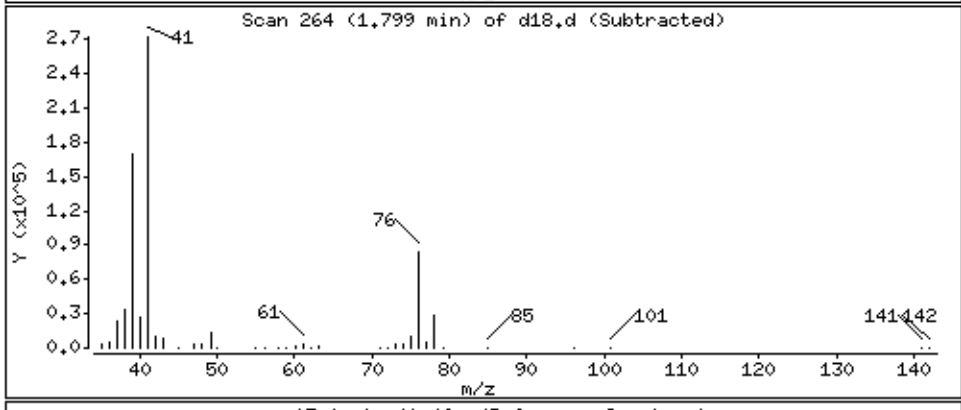
Column diameter: 0.18

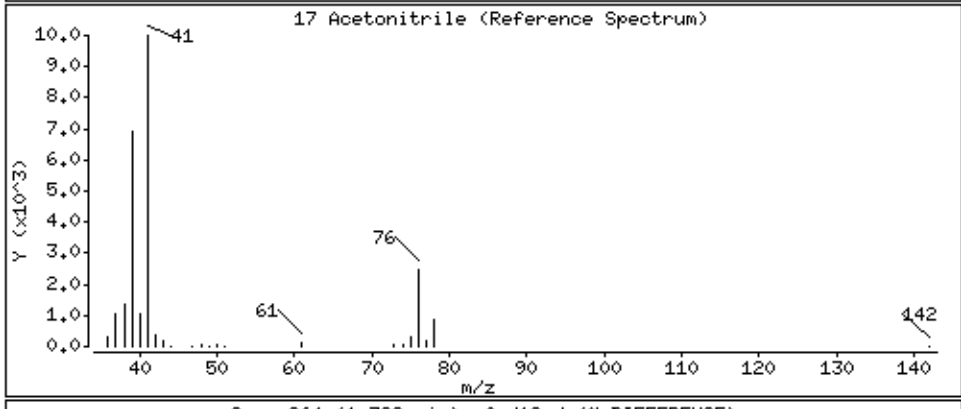
17 Acetonitrile

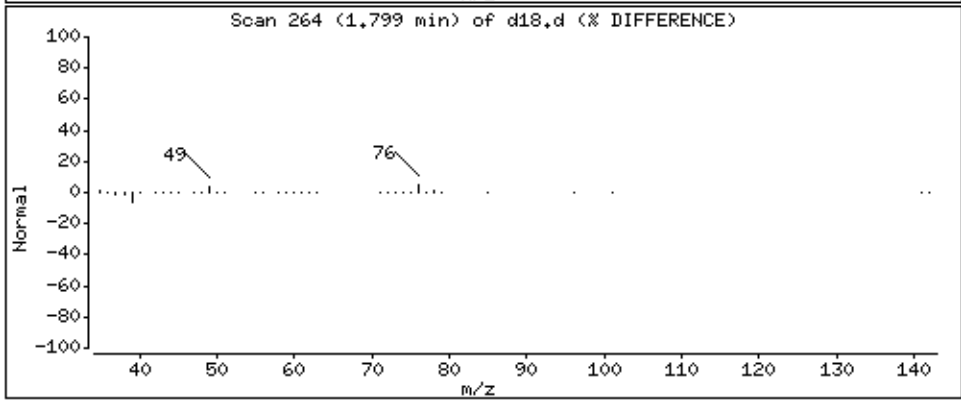
Concentration: 38.6 ppb

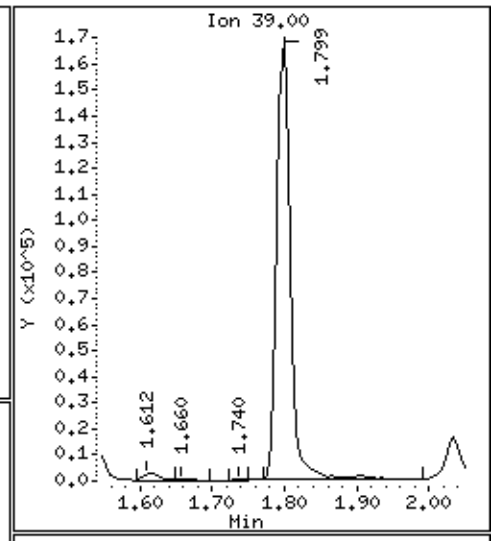
Review Code:

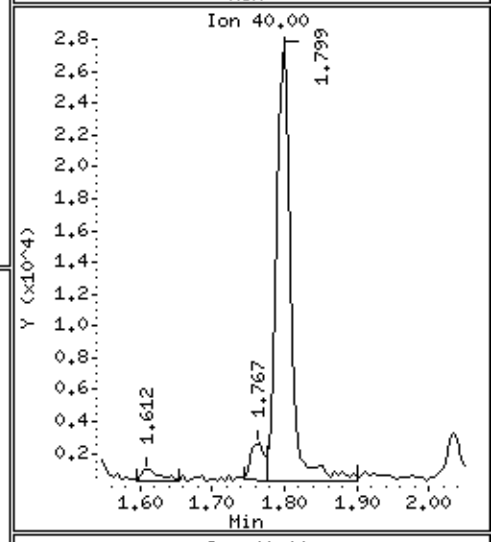


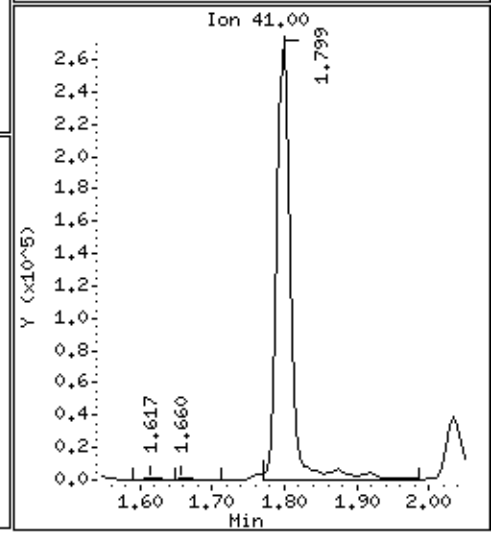












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

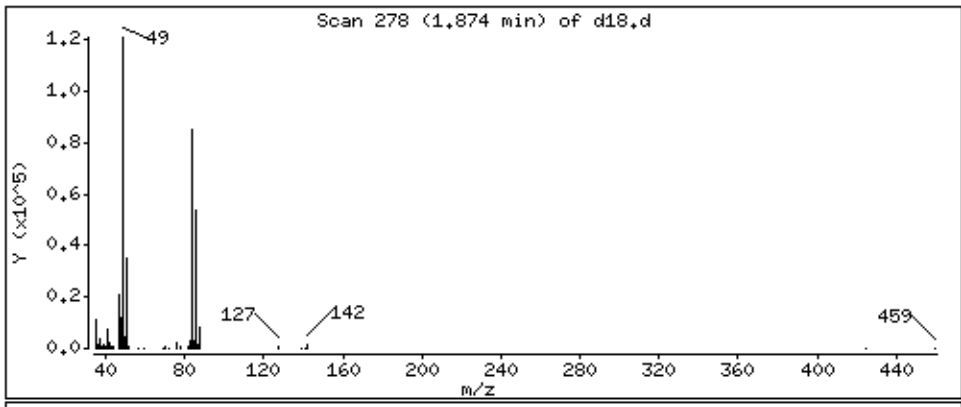
Column phase: DB-624

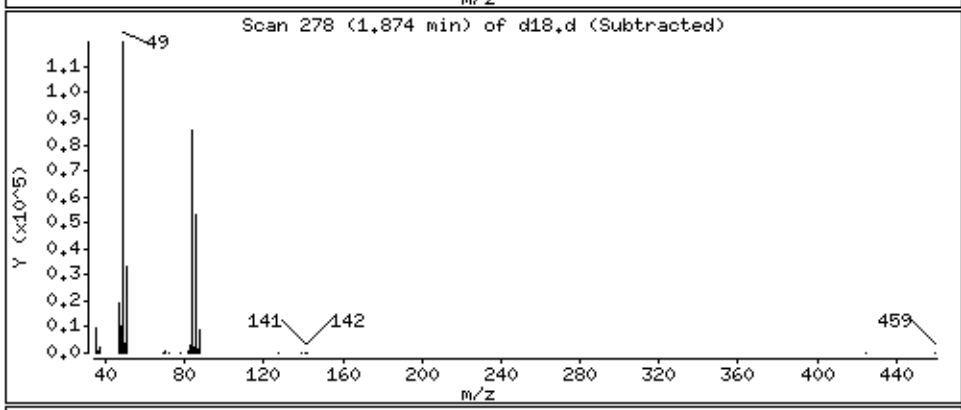
Column diameter: 0.18

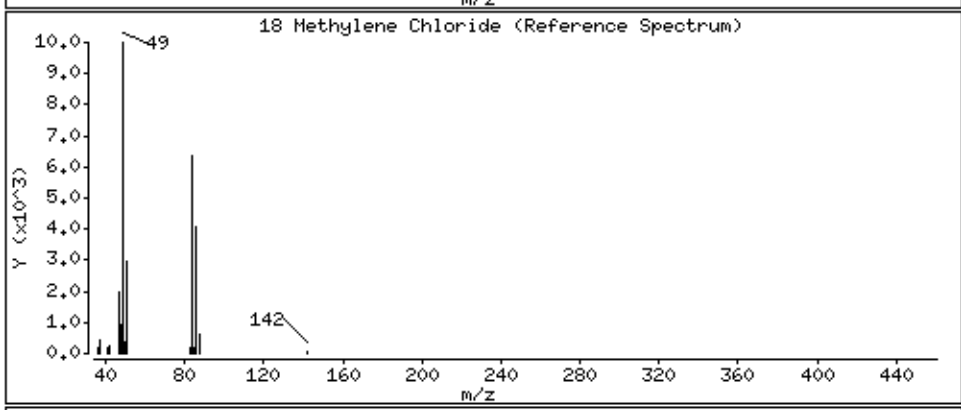
18 Methylene Chloride

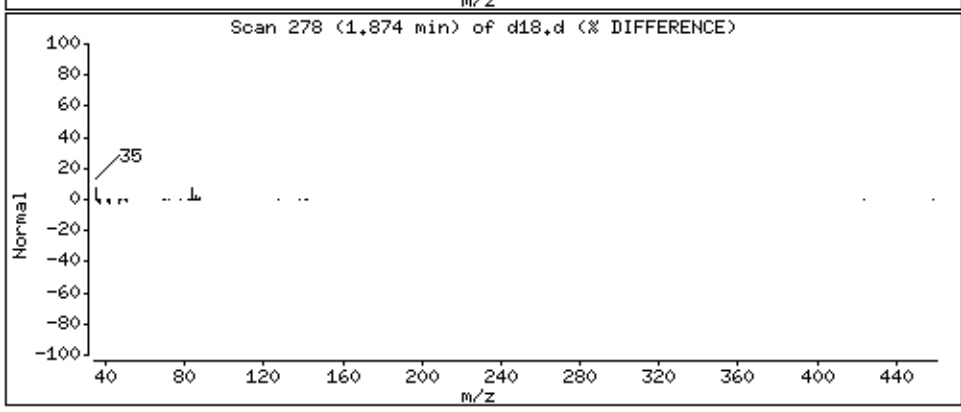
Concentration: 58.4 ppb

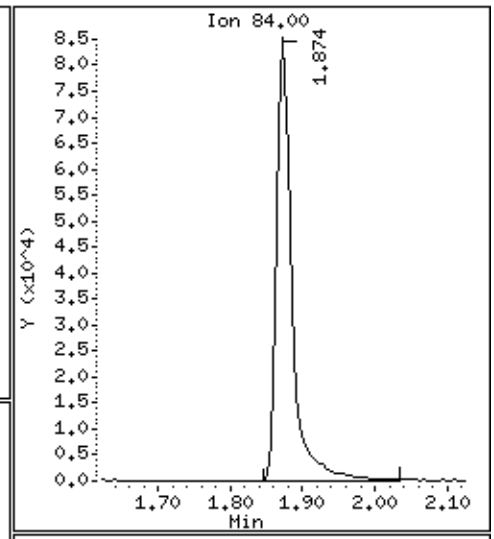
Review Code:

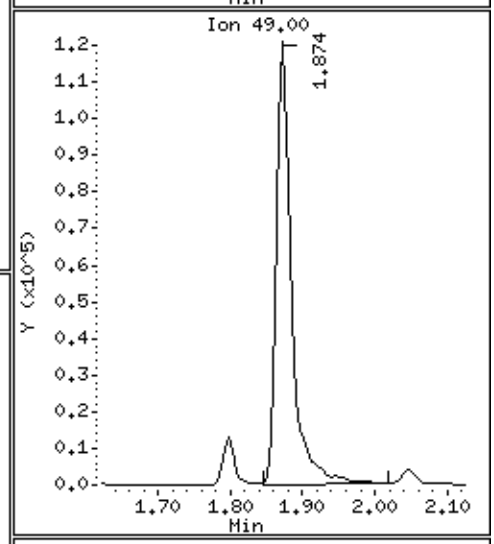


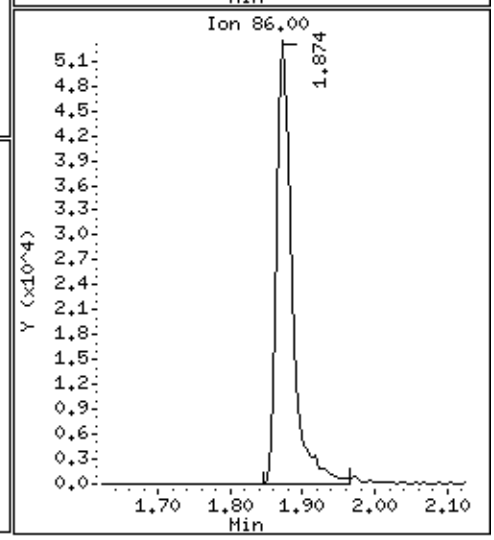












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

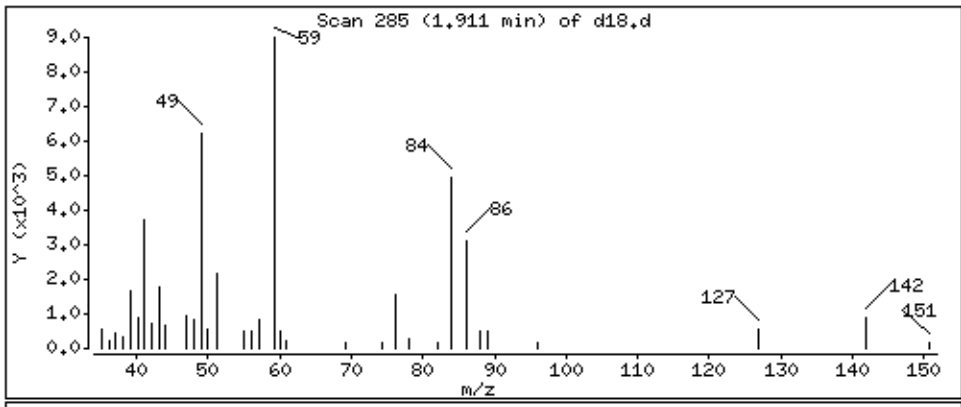
Column phase: DB-624

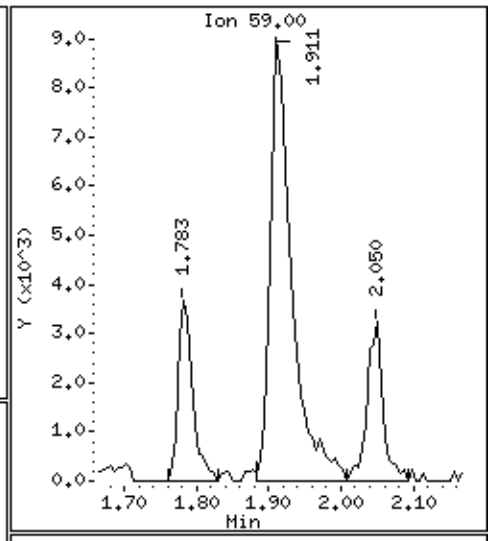
Column diameter: 0.18

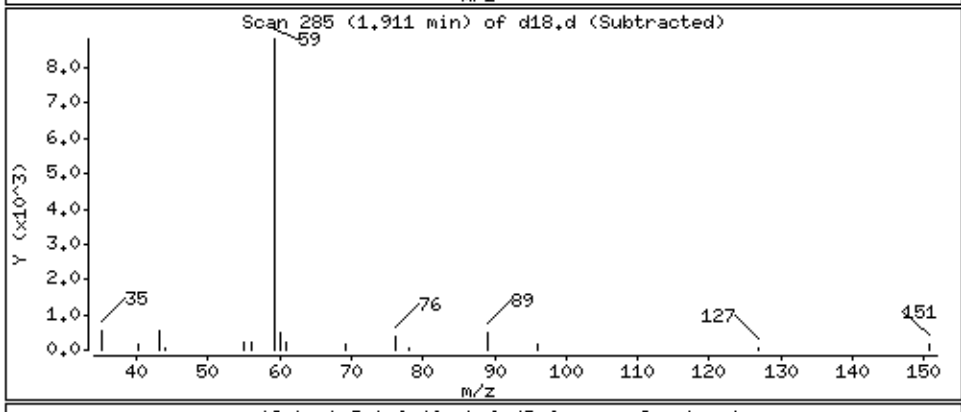
19 tert-Butyl Alcohol

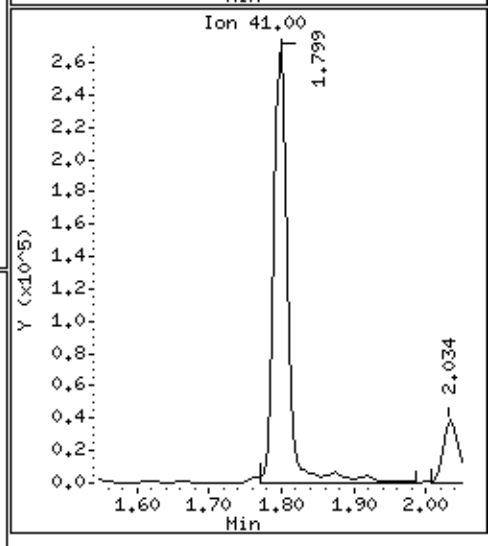
Concentration: 125 ppb

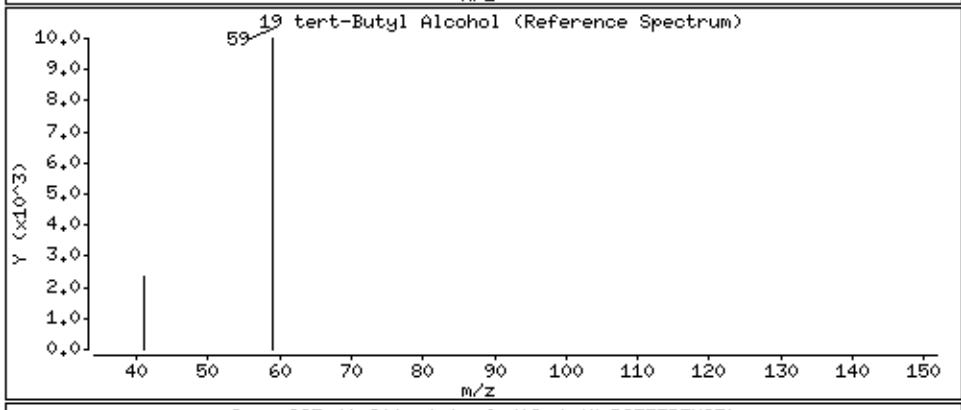
Review Code:

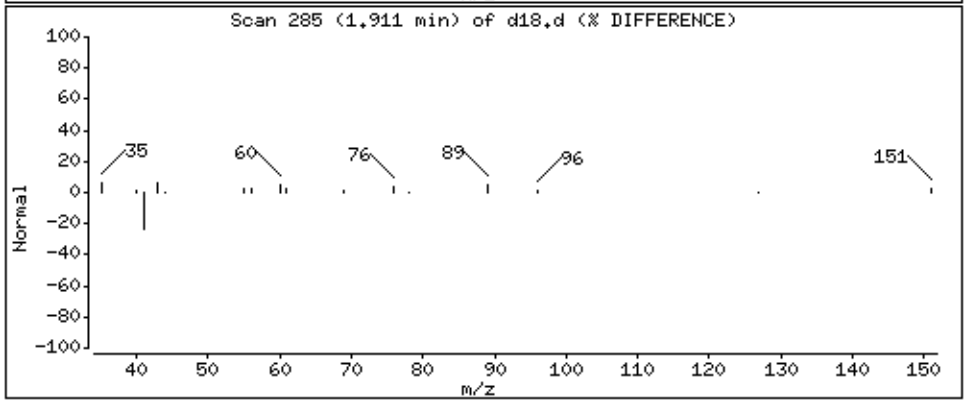












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

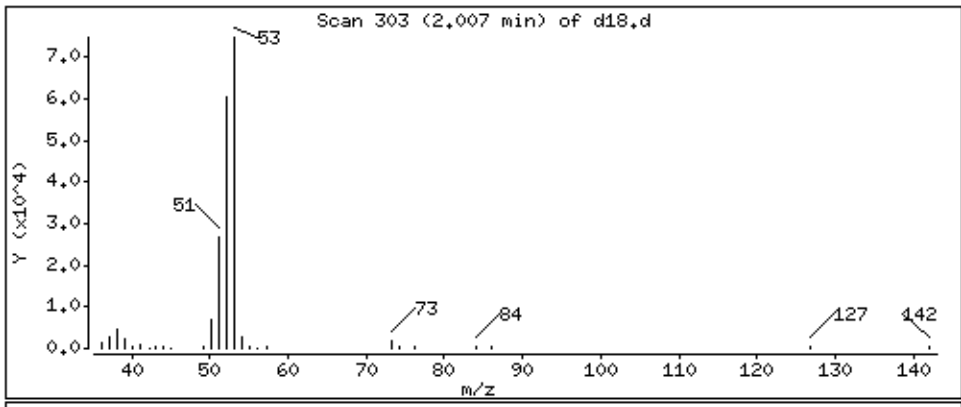
Column phase: DB-624

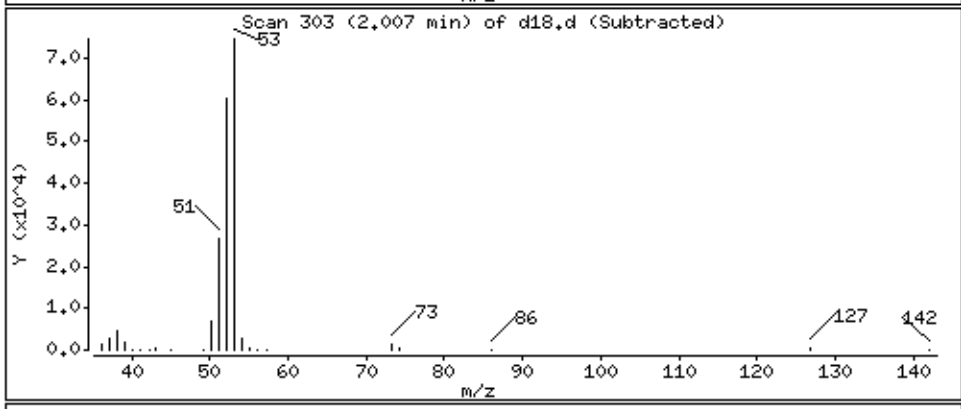
Column diameter: 0.18

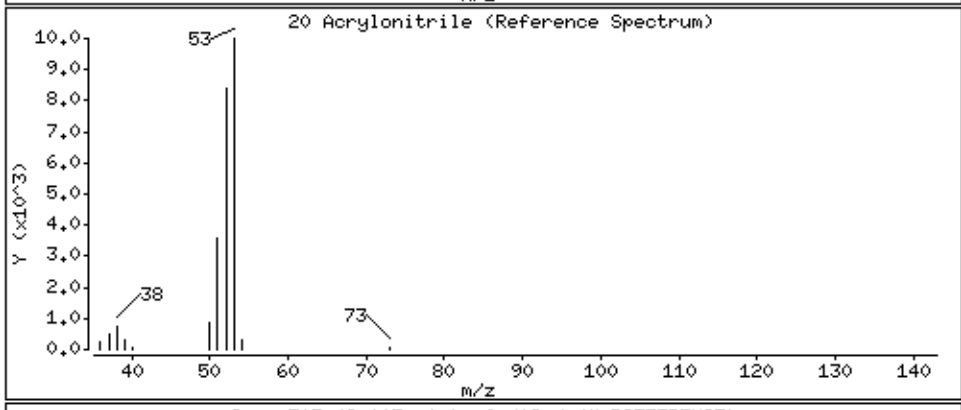
20 Acrylonitrile

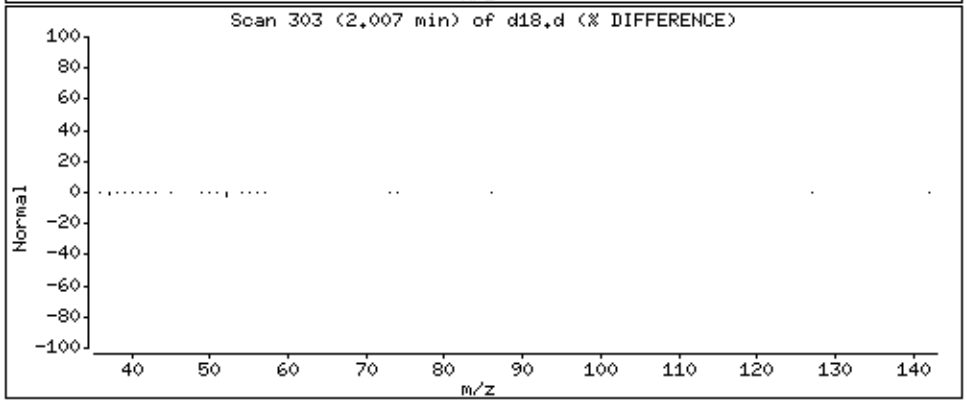
Concentration: 232 ppb

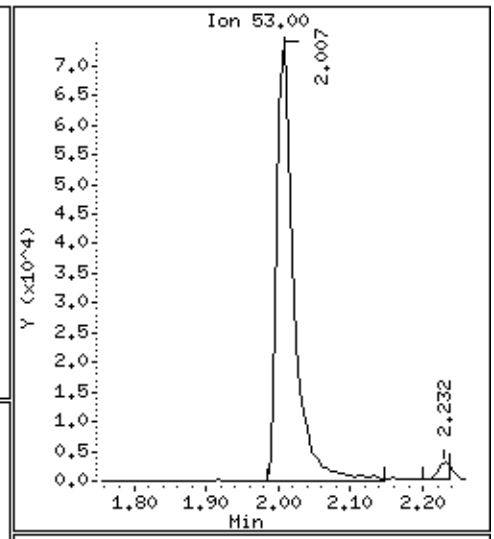
Review Code:

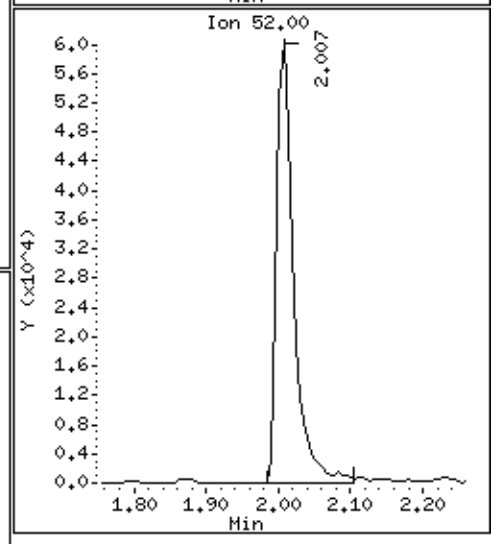












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

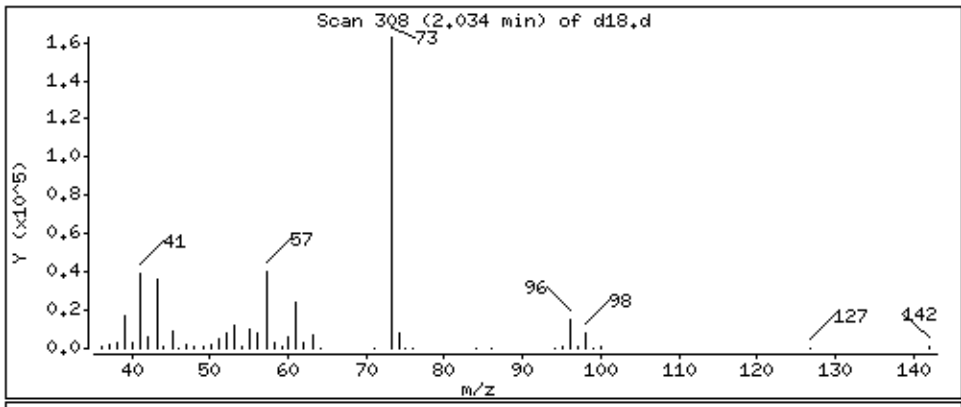
Column phase: DB-624

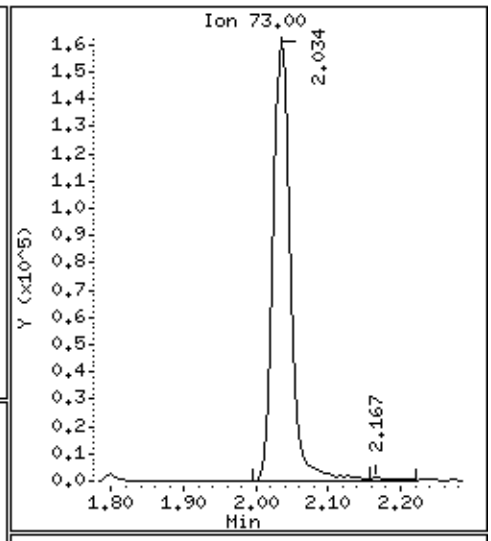
Column diameter: 0.18

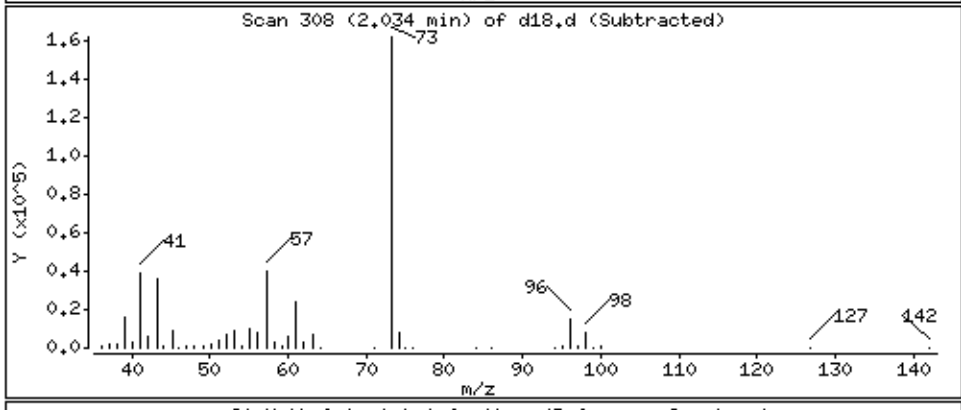
21 Methyl-tert-butyl ether

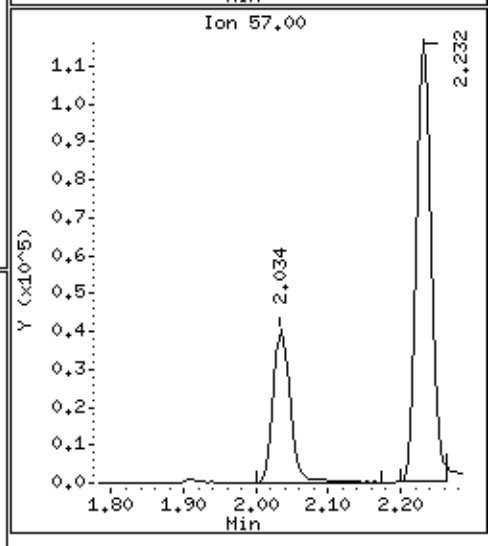
Concentration: 54.9 ppb

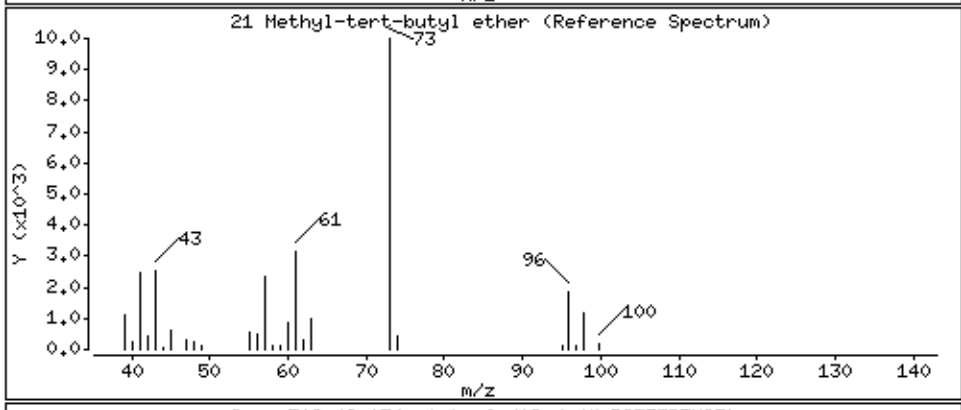
Review Code:

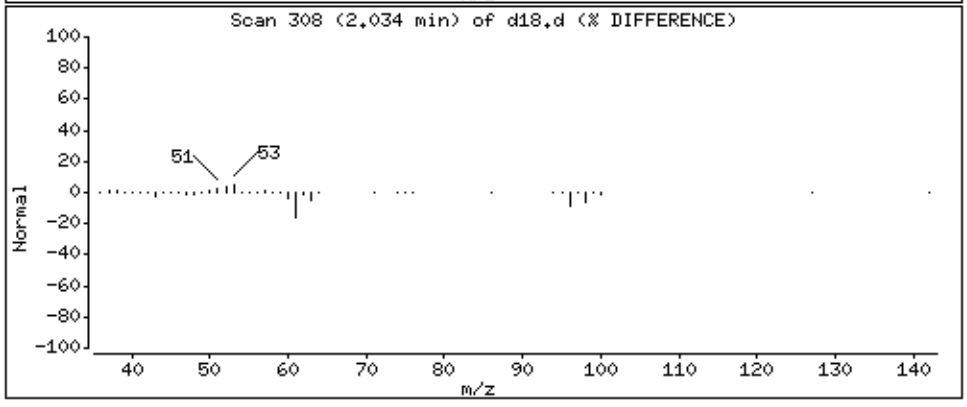












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

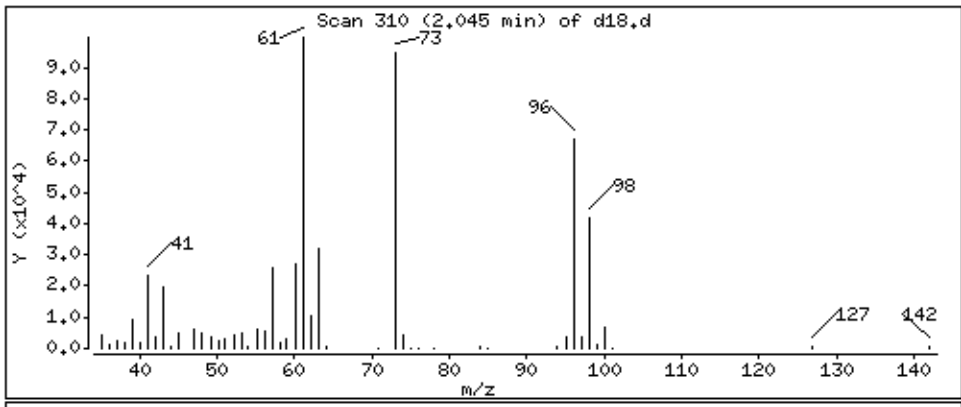
Column phase: DB-624

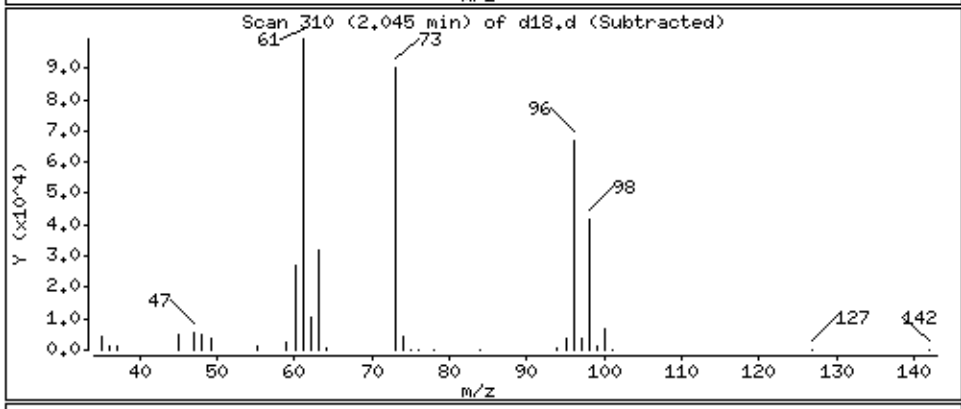
Column diameter: 0.18

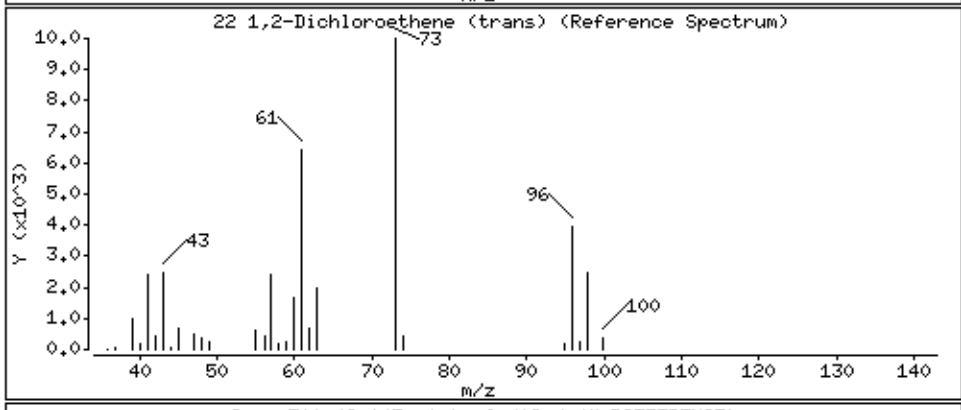
22 1,2-Dichloroethene (trans)

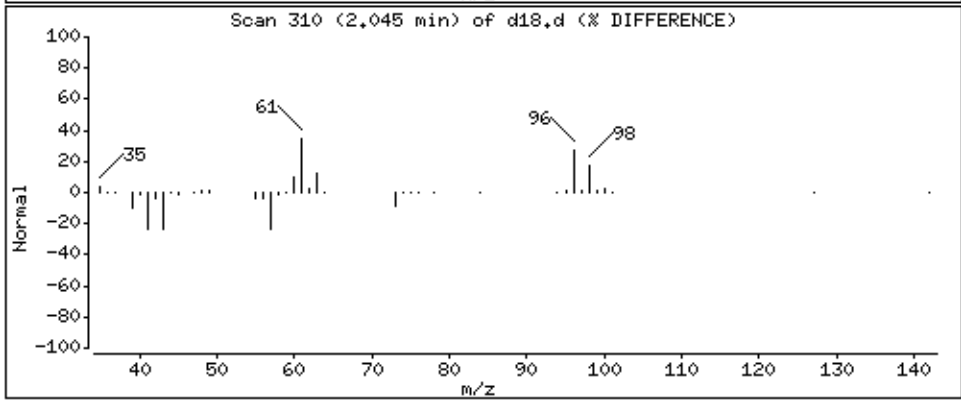
Concentration: 42.7 ppb

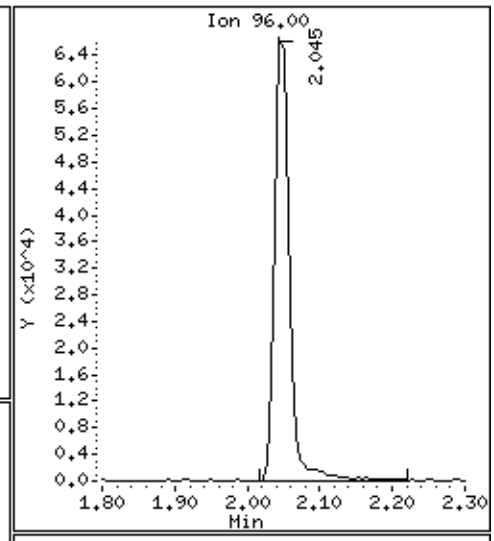
Review Code:

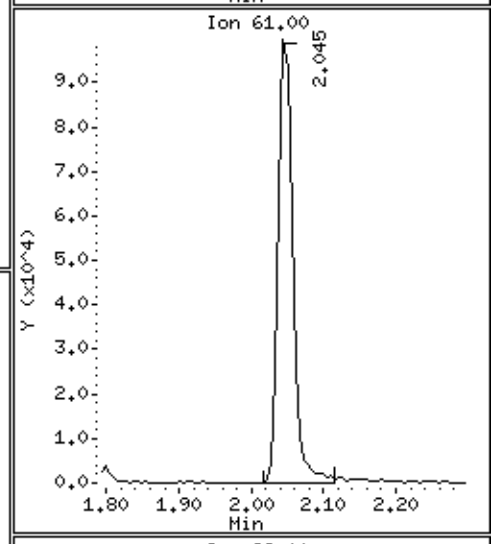


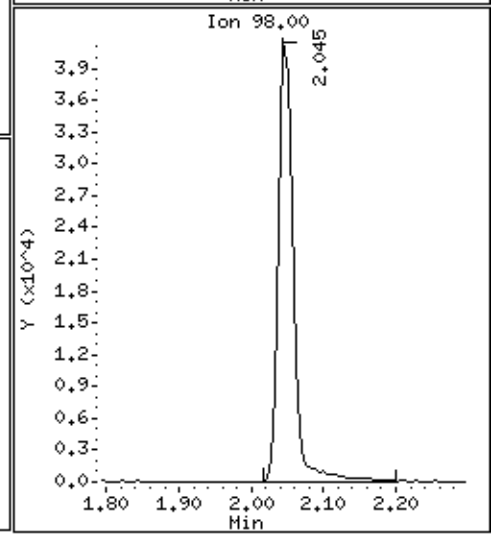












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Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

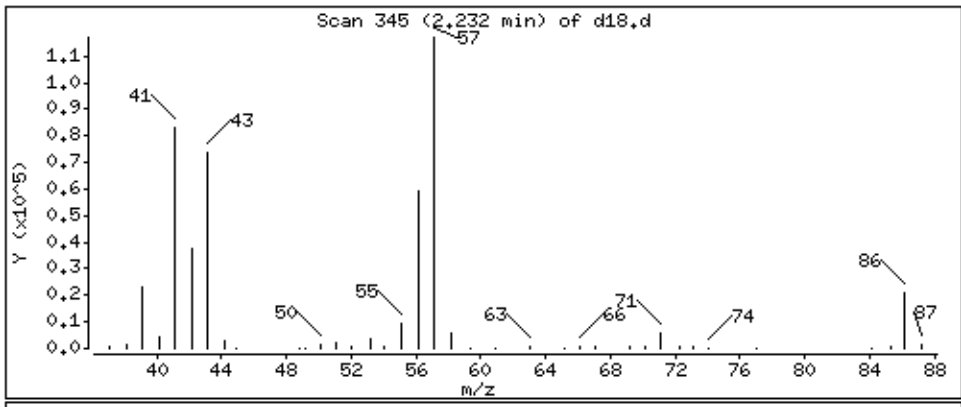
Column phase: DB-624

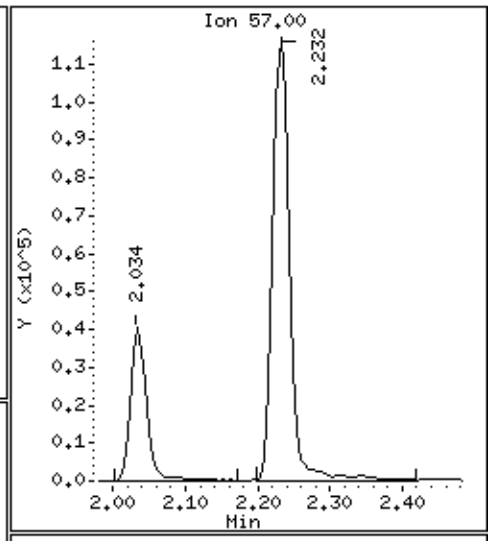
Column diameter: 0.18

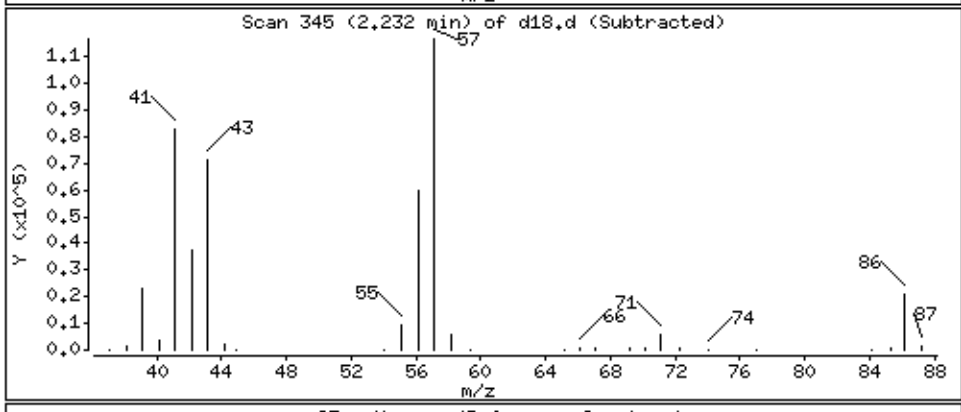
23 n-Hexane

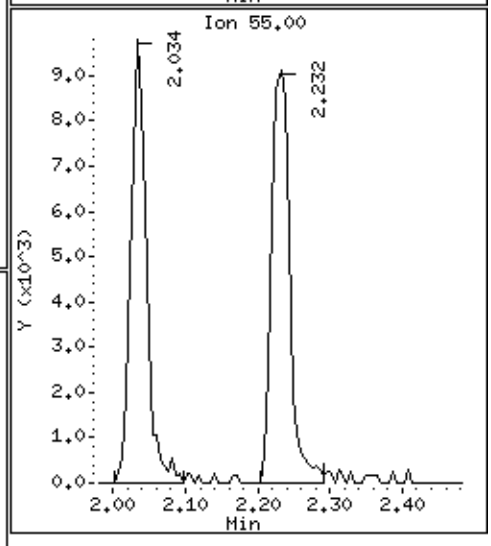
Concentration: 44.5 ppb

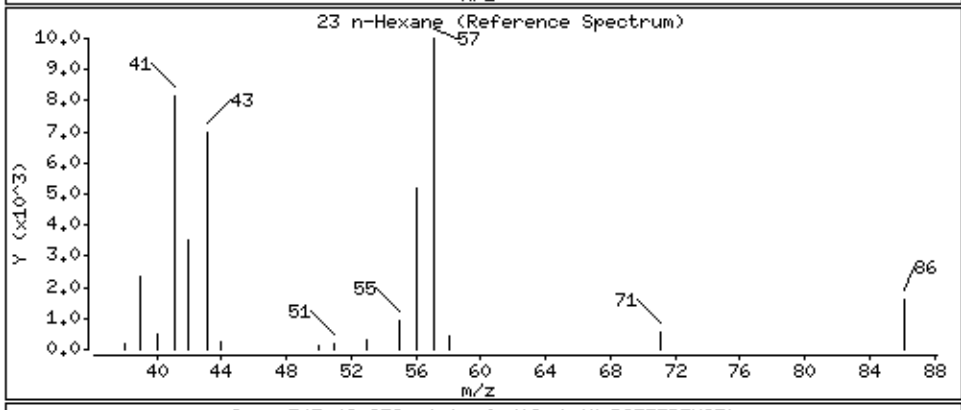
Review Code:

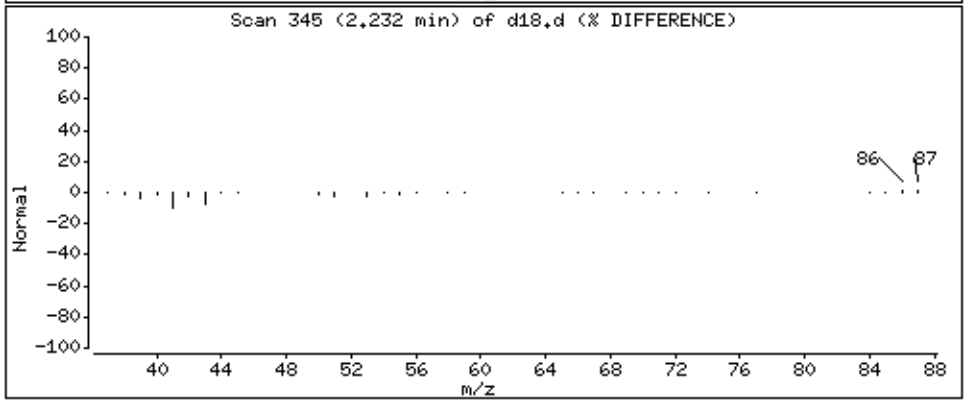












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

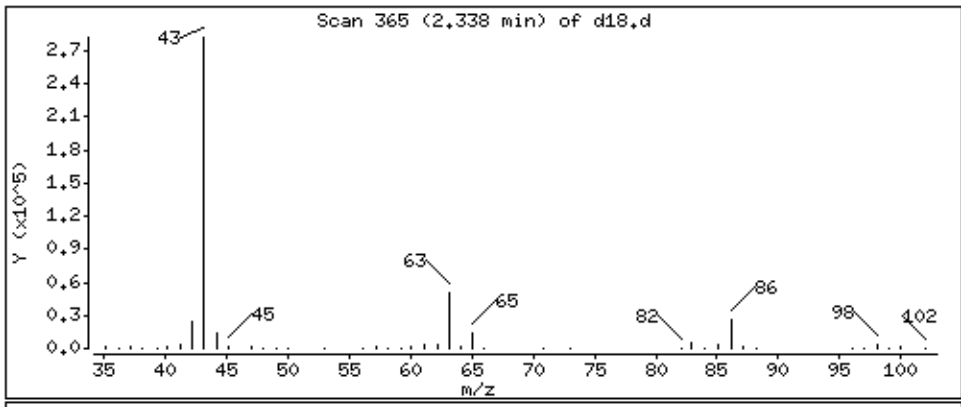
Column phase: DB-624

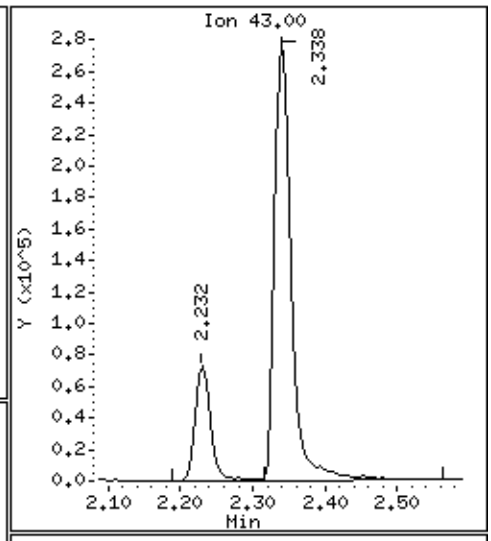
Column diameter: 0.18

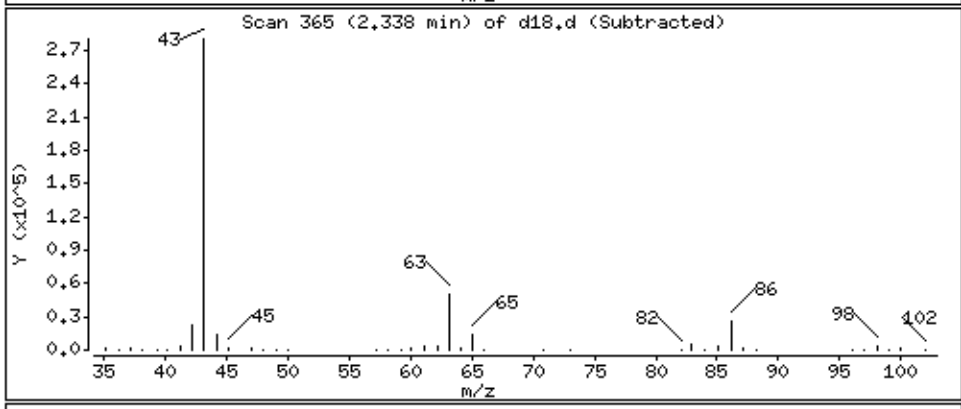
24 Vinyl Acetate

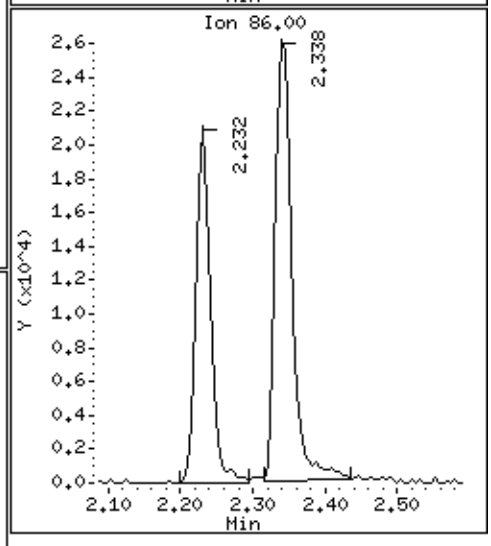
Concentration: 142 ppb

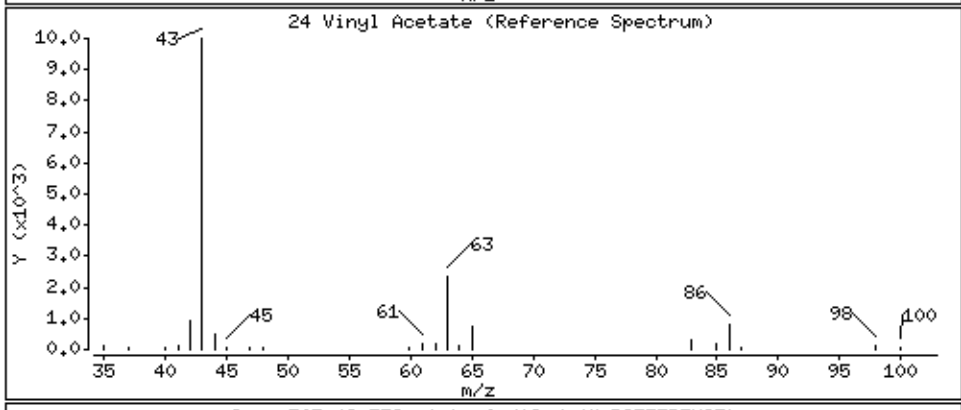
Review Code:

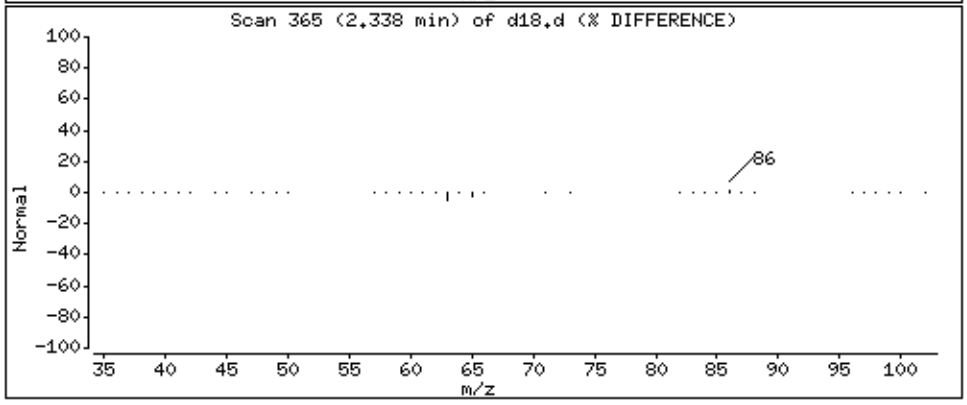












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

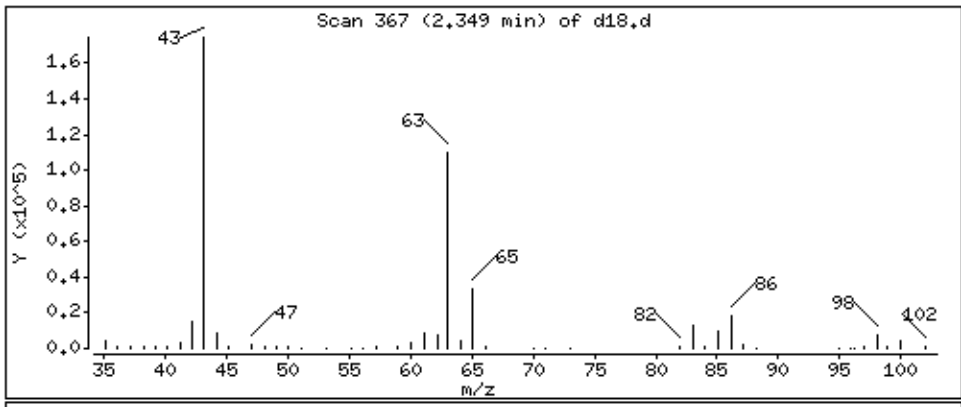
Column phase: DB-624

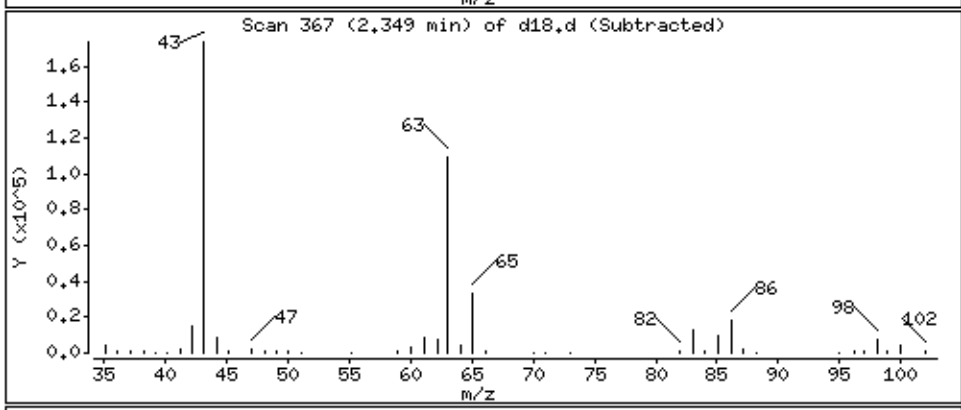
Column diameter: 0.18

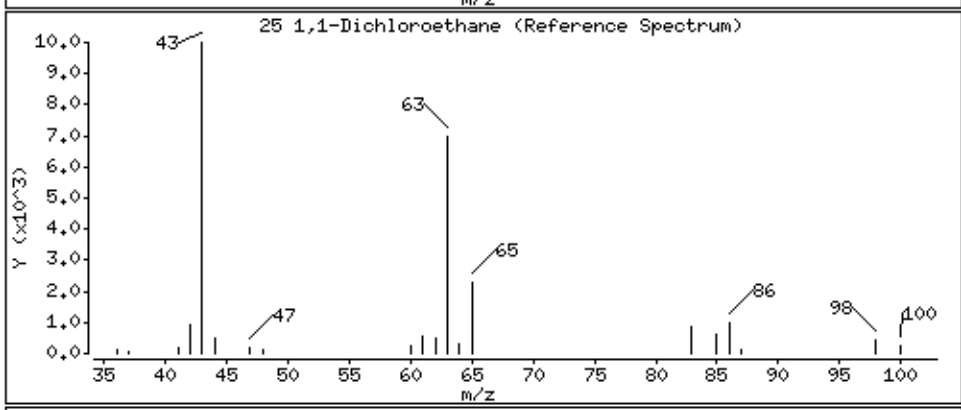
25 1,1-Dichloroethane

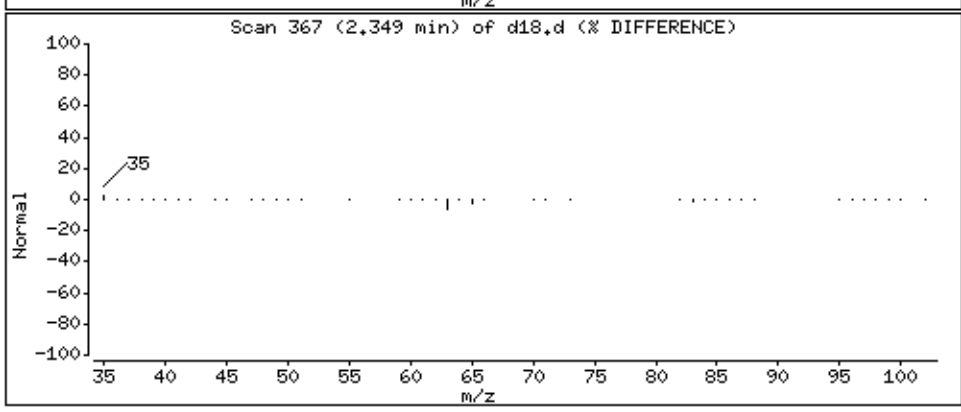
Concentration: 46.0 ppb

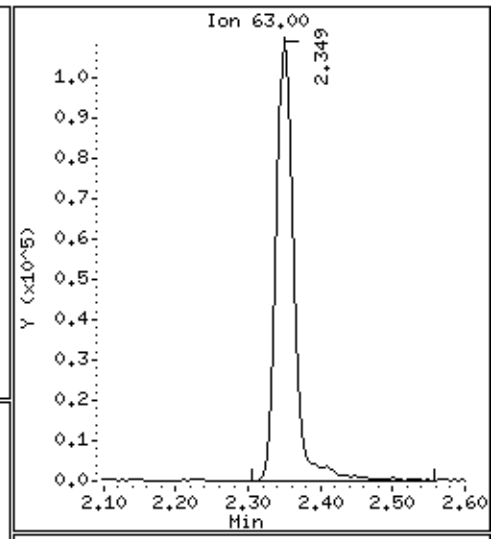
Review Code:

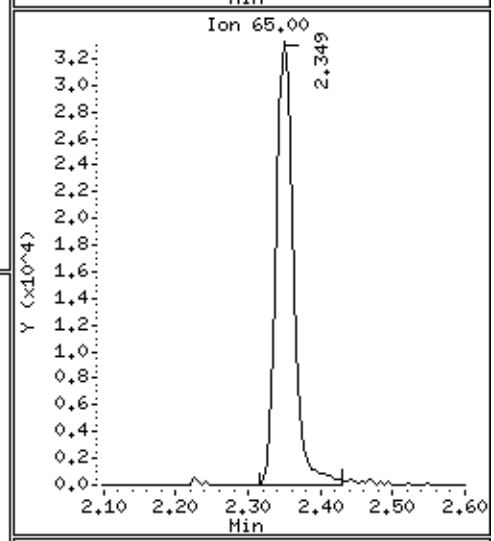


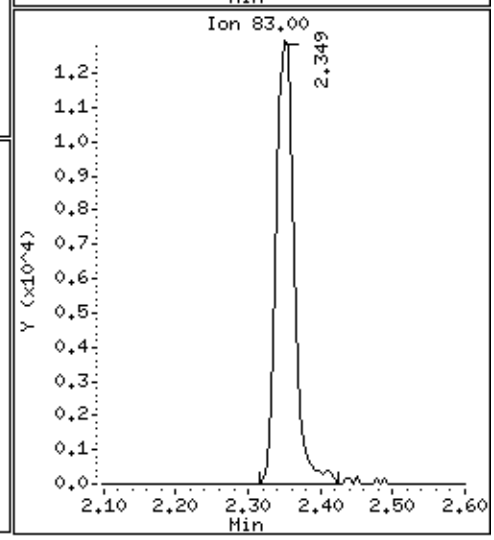












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

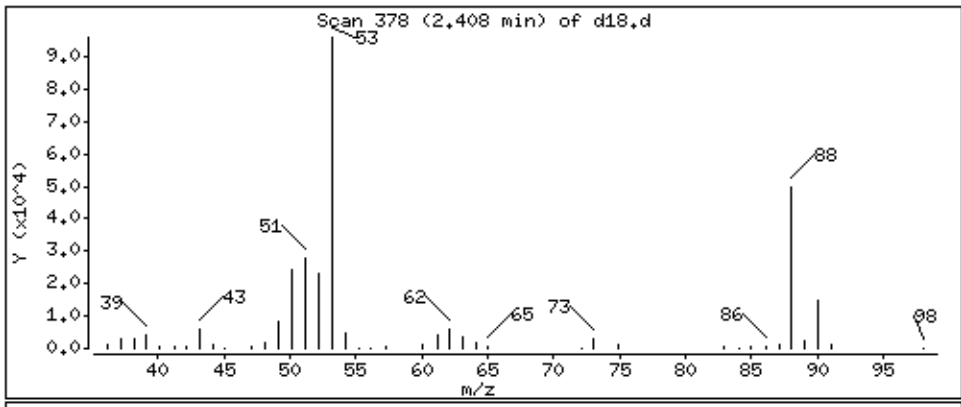
Column phase: DB-624

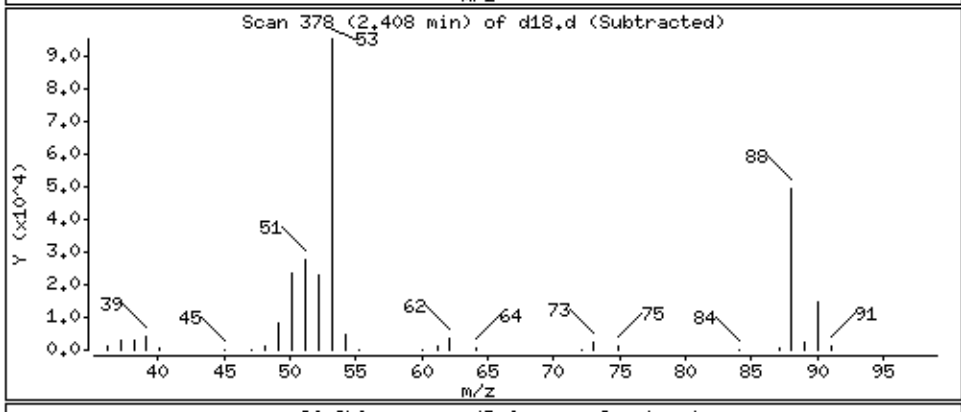
Column diameter: 0.18

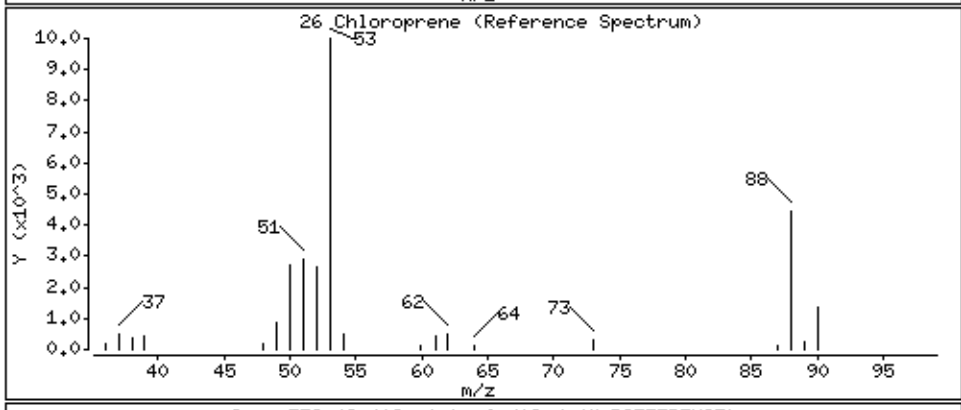
26 Chloroprene

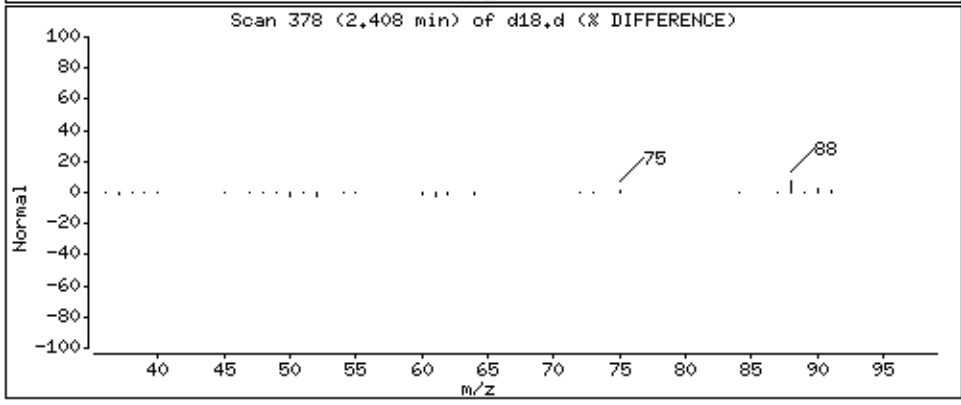
Concentration: 39.5 ppb

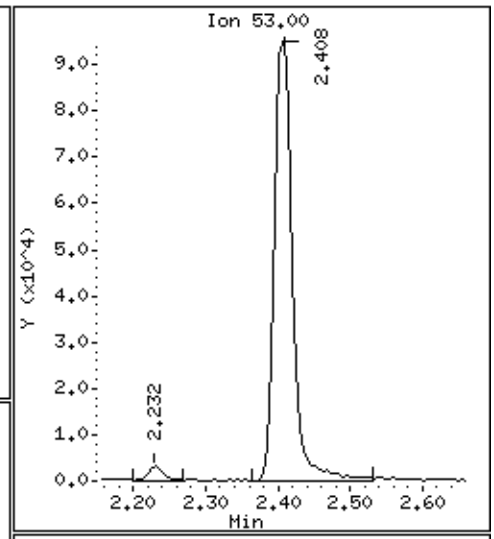
Review Code:

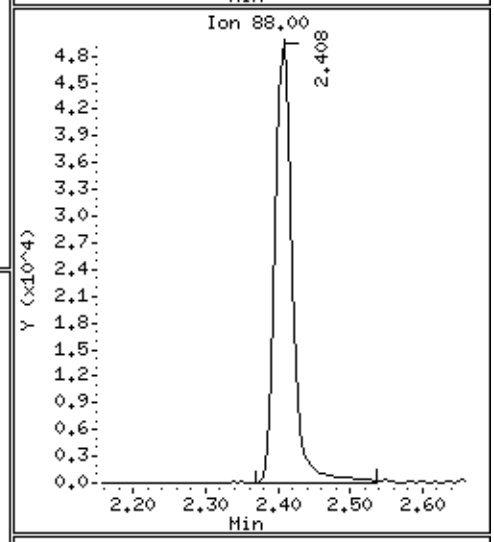


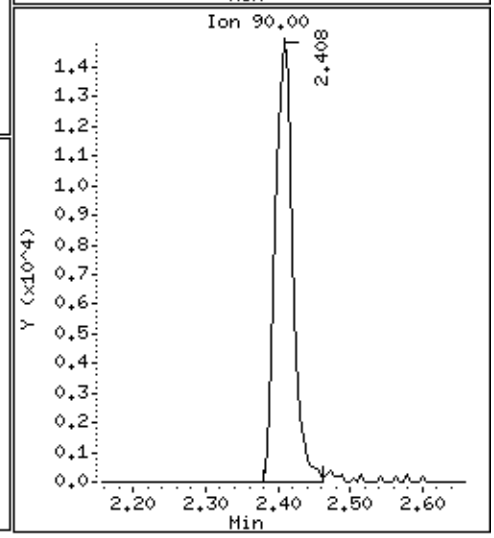












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Page 31

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

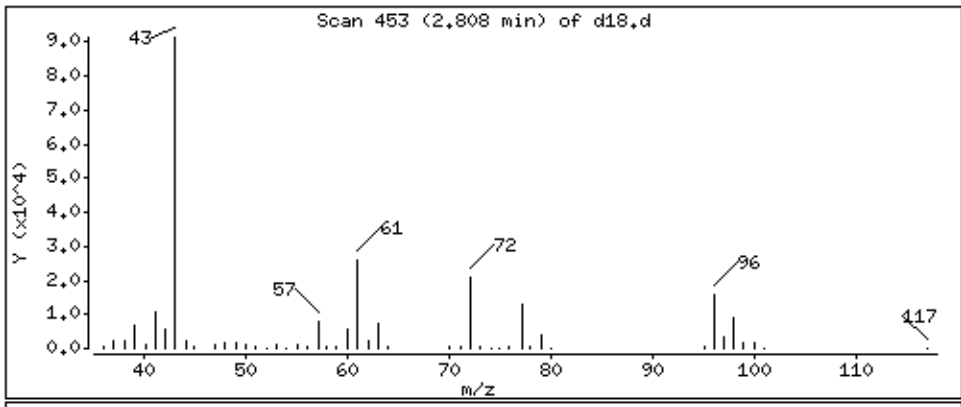
Column phase: DB-624

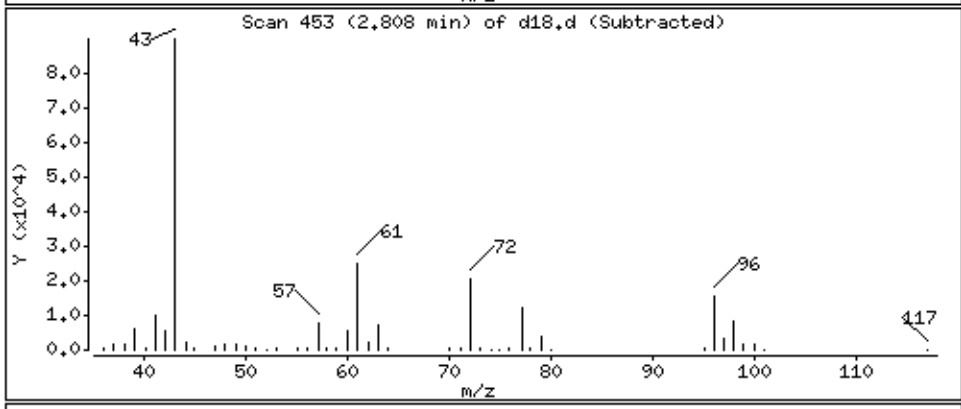
Column diameter: 0.18

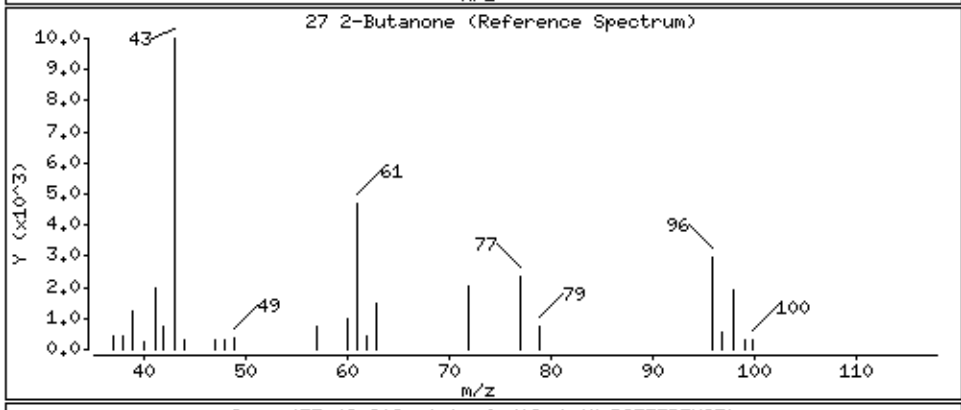
27 2-Butanone

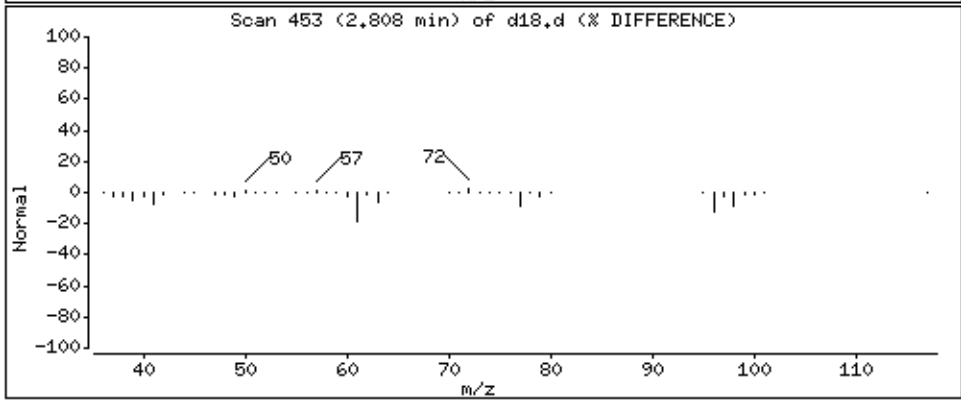
Concentration: 303 ppb

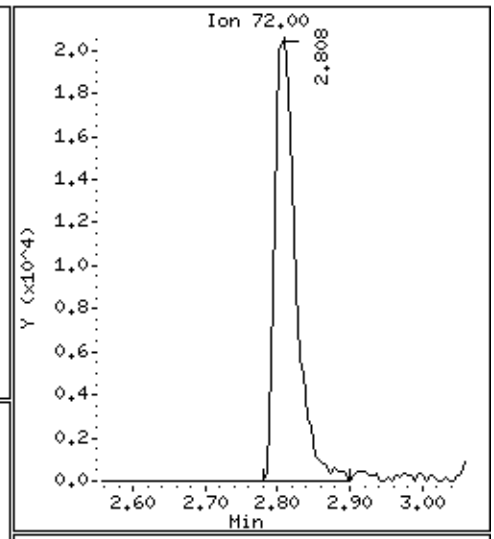
Review Code:

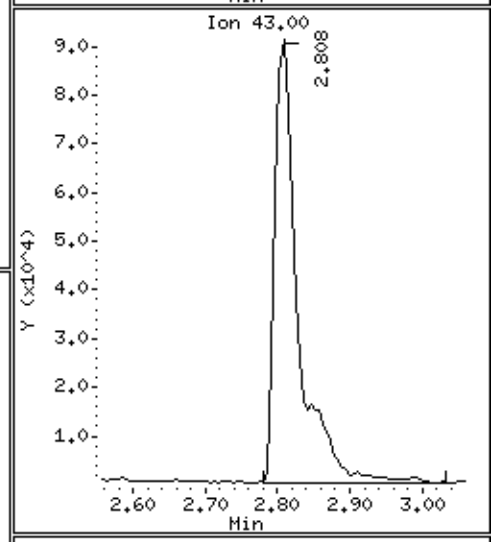


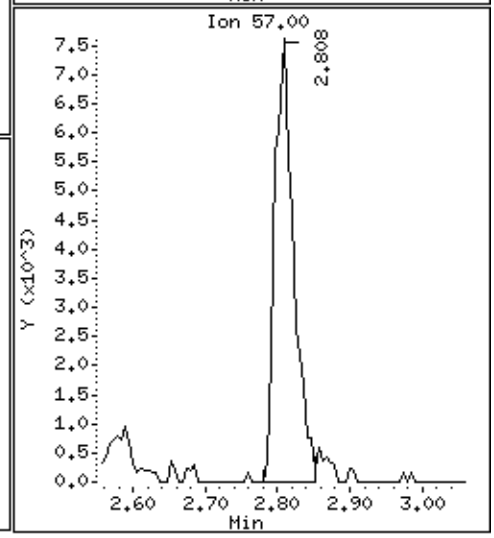












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

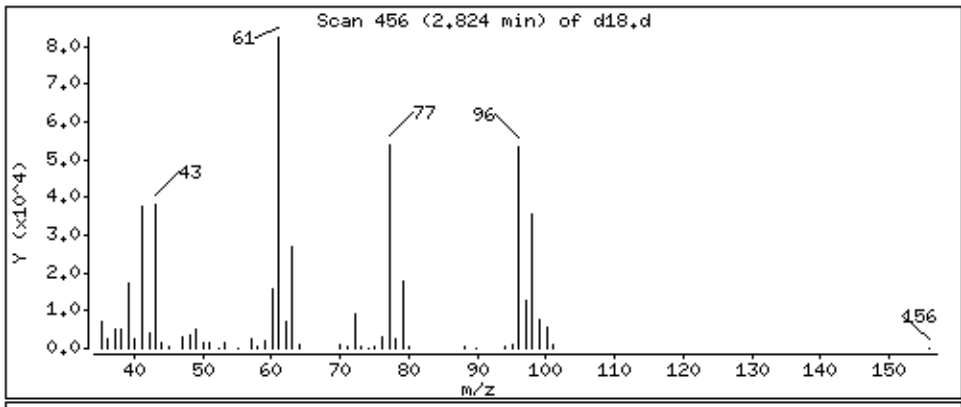
Column phase: DB-624

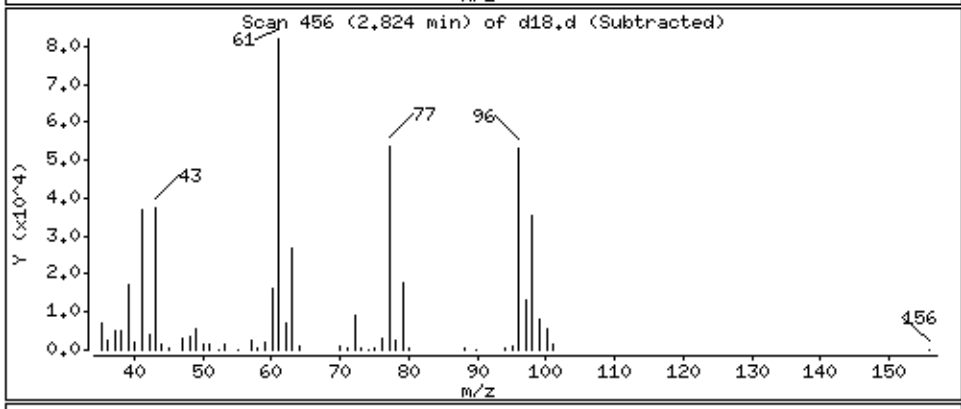
Column diameter: 0.18

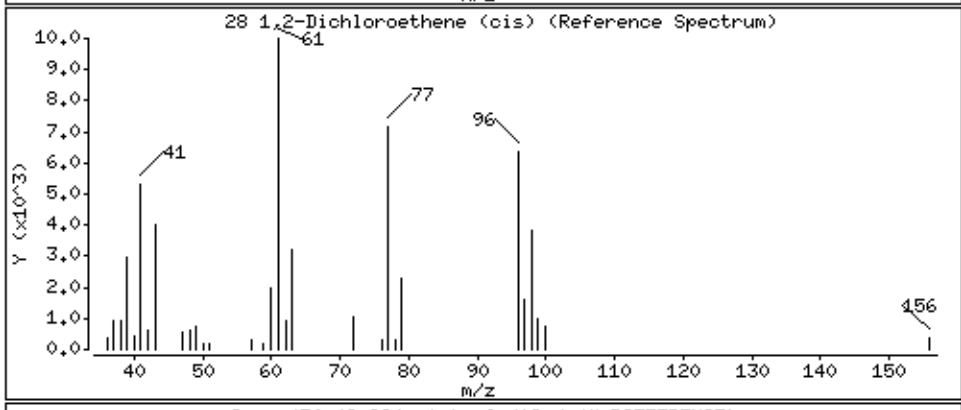
28 1,2-Dichloroethene (cis)

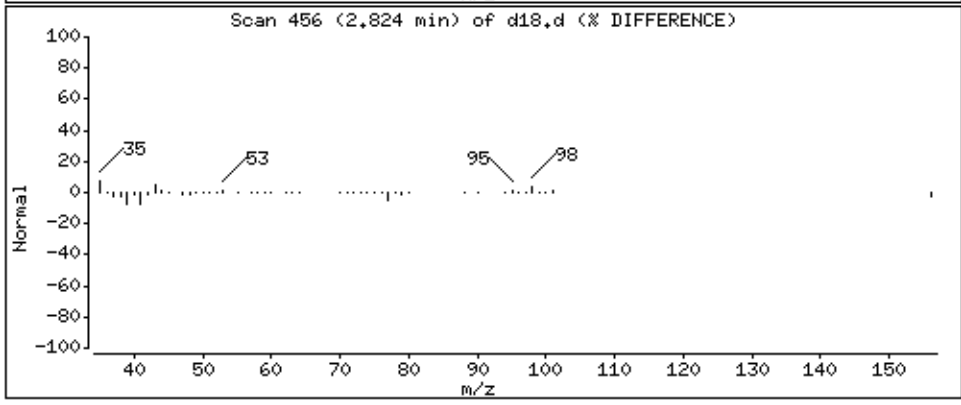
Concentration: 44.3 ppb

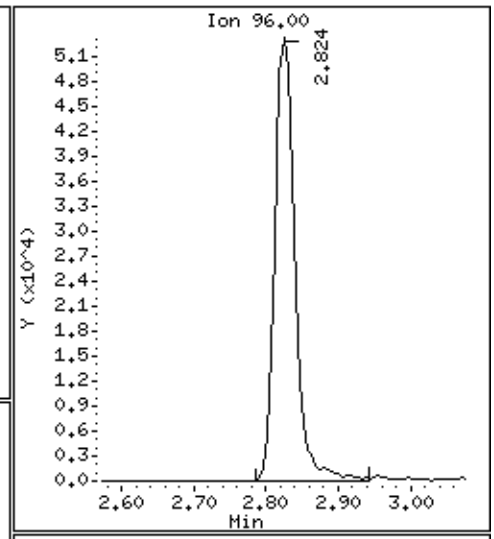
Review Code:

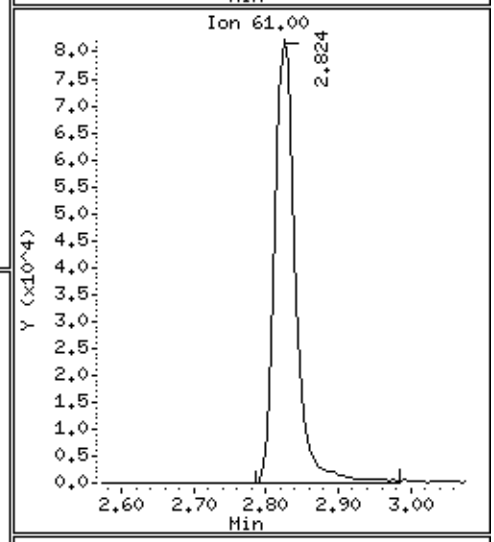


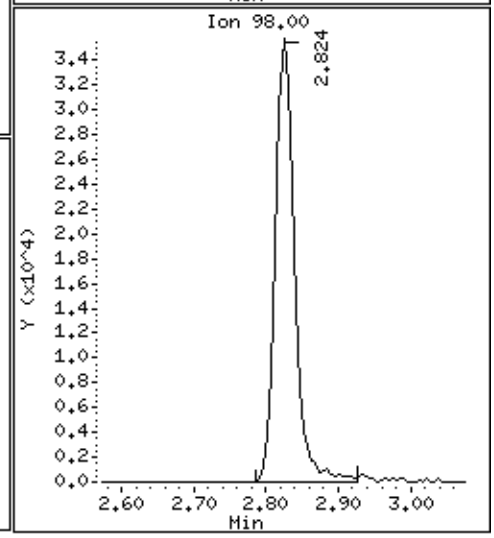












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

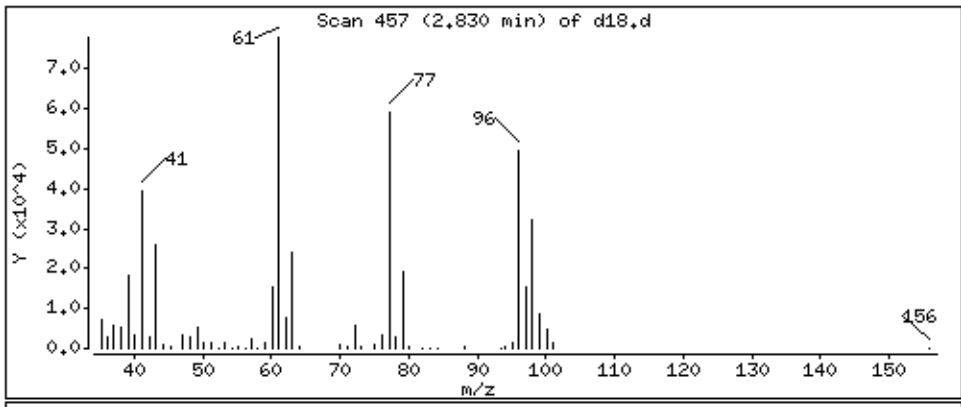
Column phase: DB-624

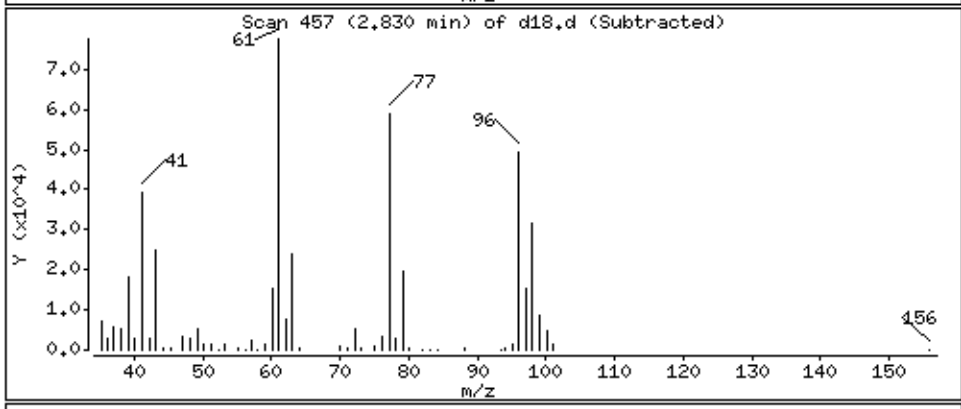
Column diameter: 0.18

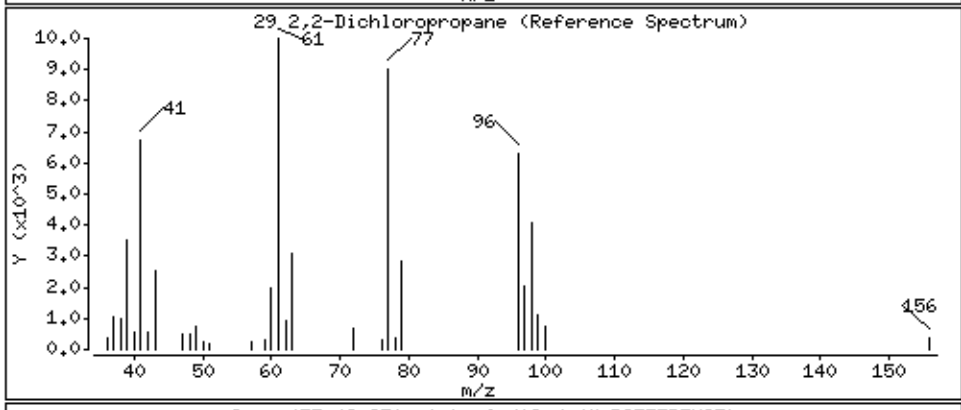
29 2,2-Dichloropropane

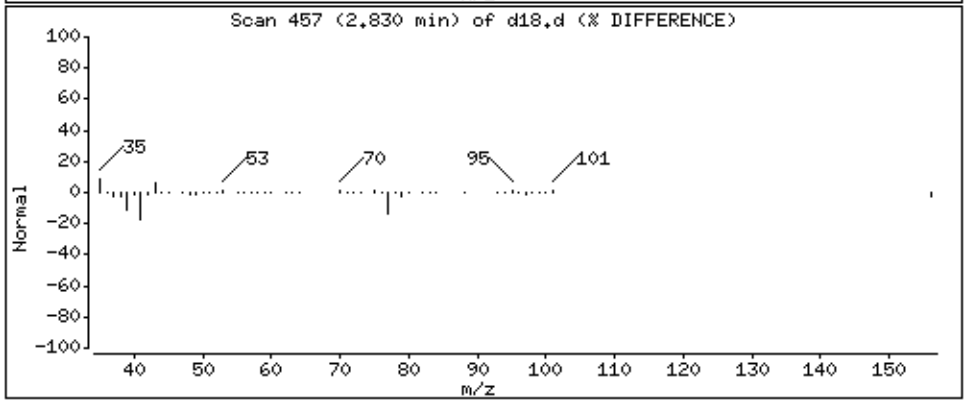
Concentration: 40.8 ppb

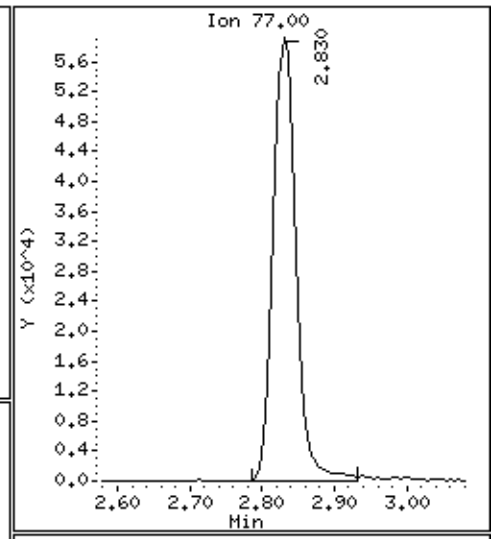
Review Code:

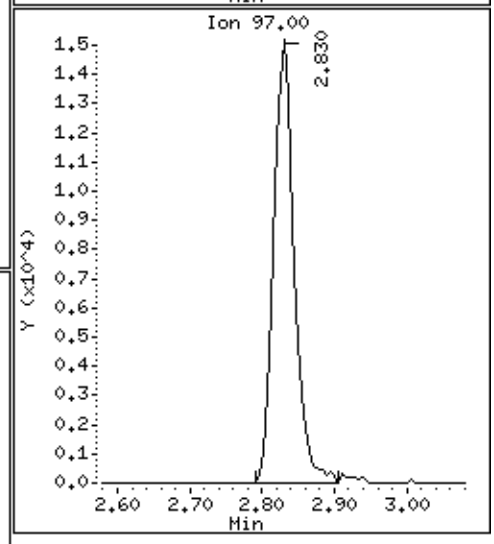












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

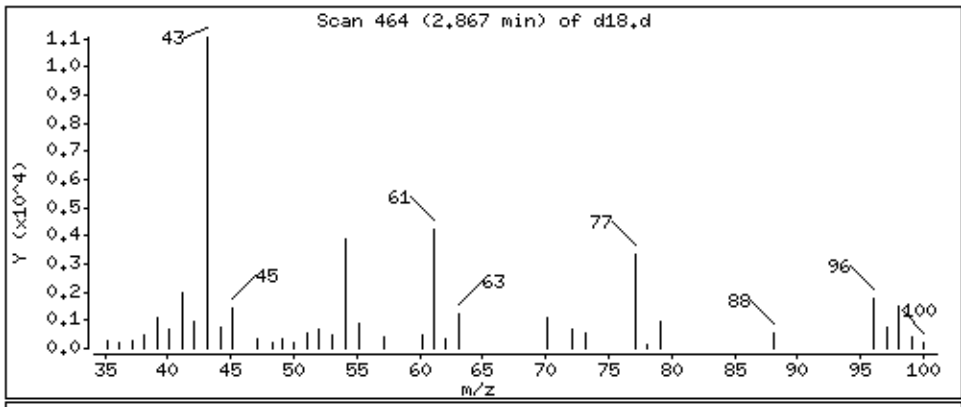
Column phase: DB-624

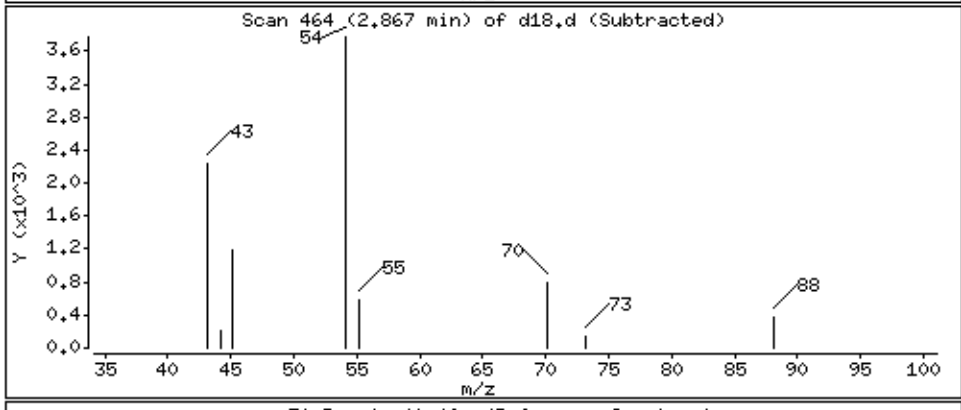
Column diameter: 0.18

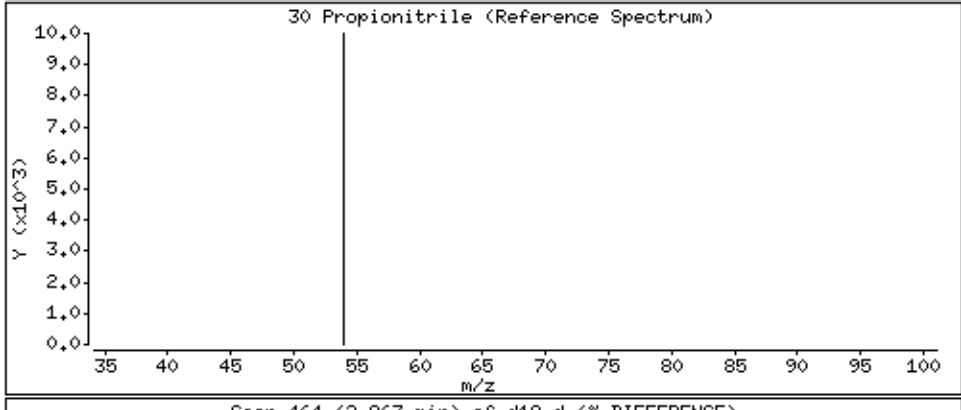
30 Propionitrile

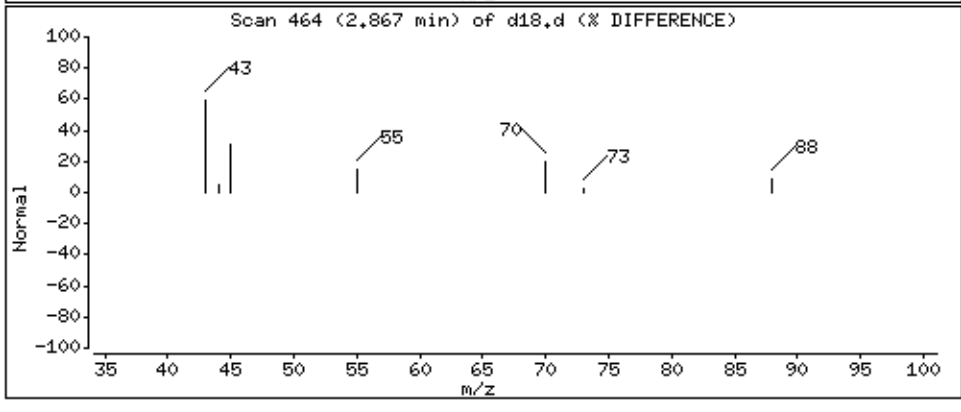
Concentration: 60.7 ppb

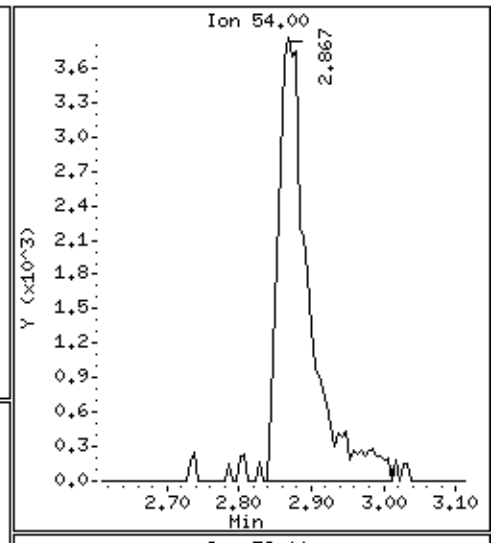
Review Code:

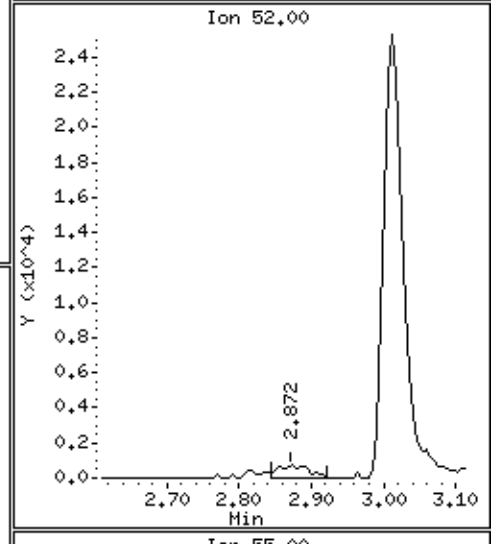


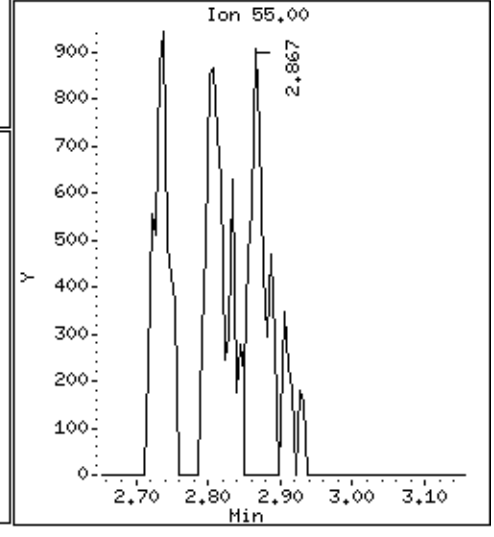












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

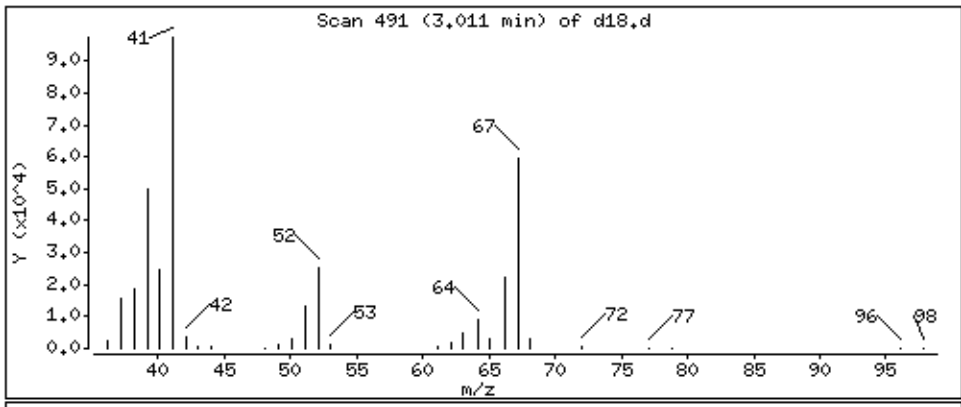
Column phase: DB-624

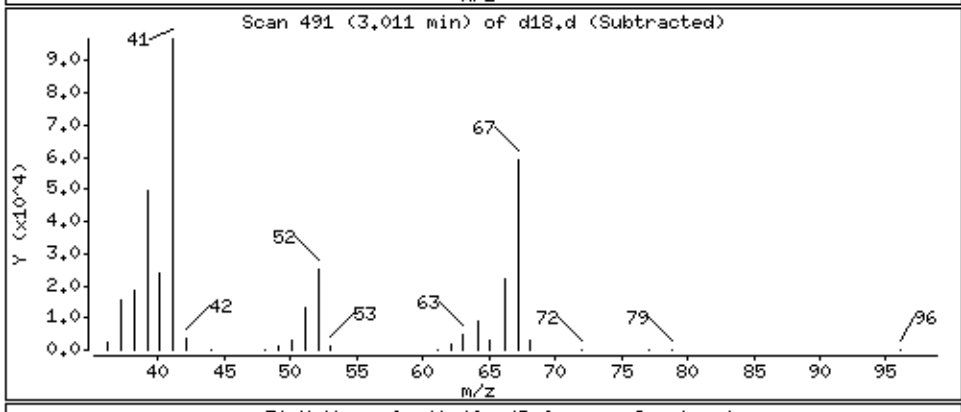
Column diameter: 0.18

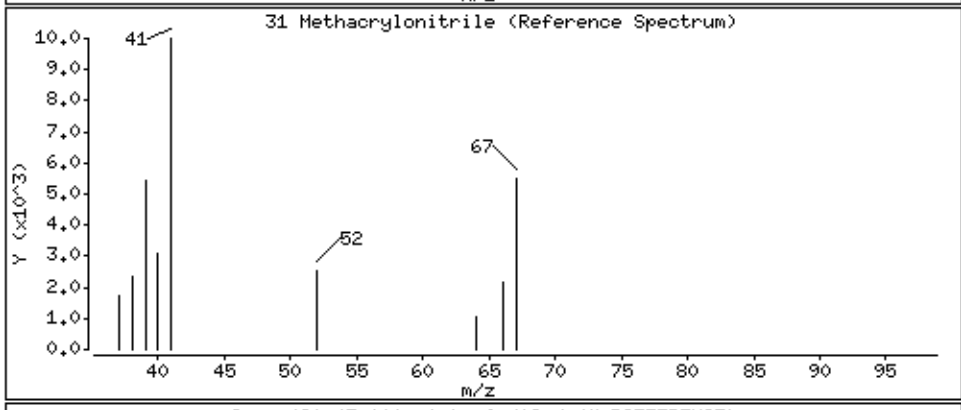
31 Methacrylonitrile

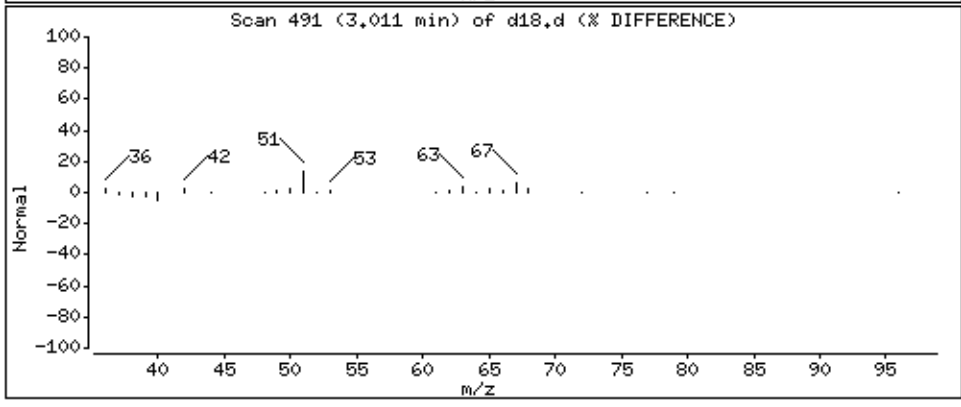
Concentration: 244 ppb

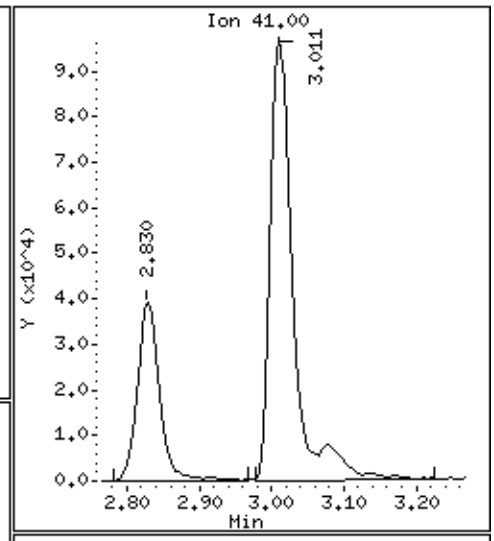
Review Code:

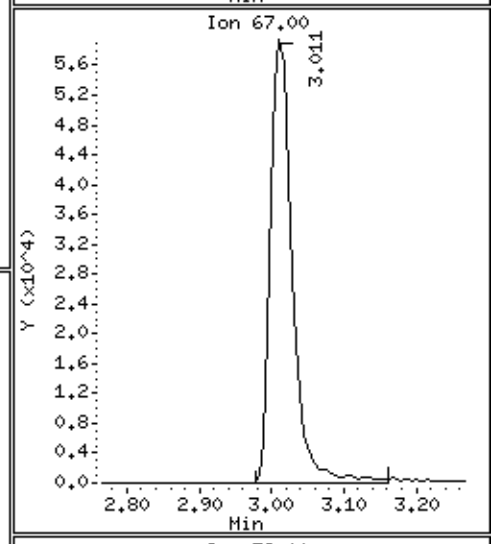


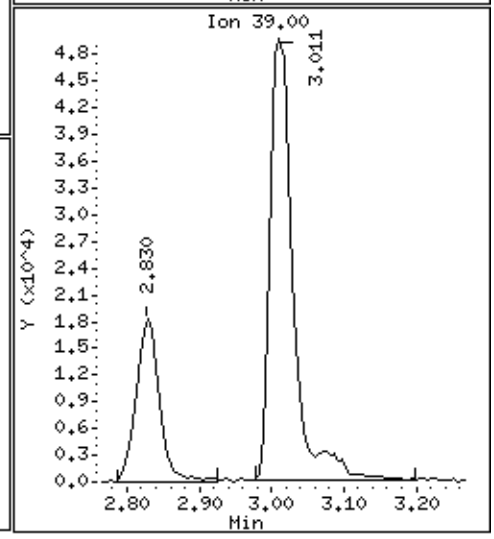












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

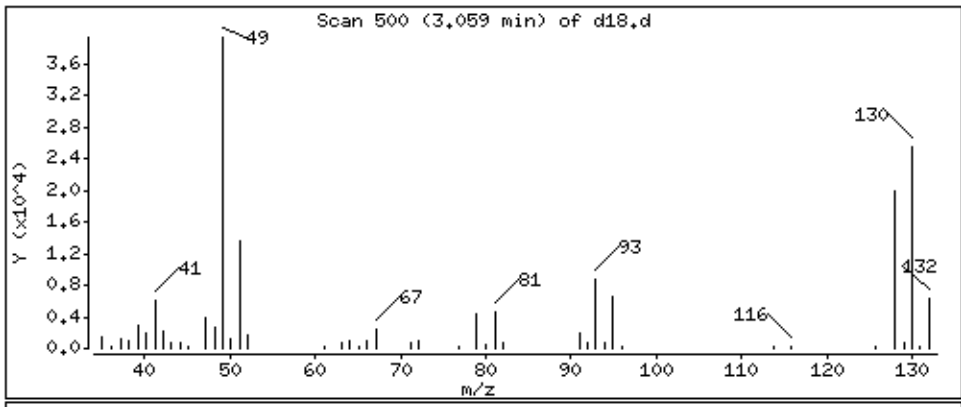
Column phase: DB-624

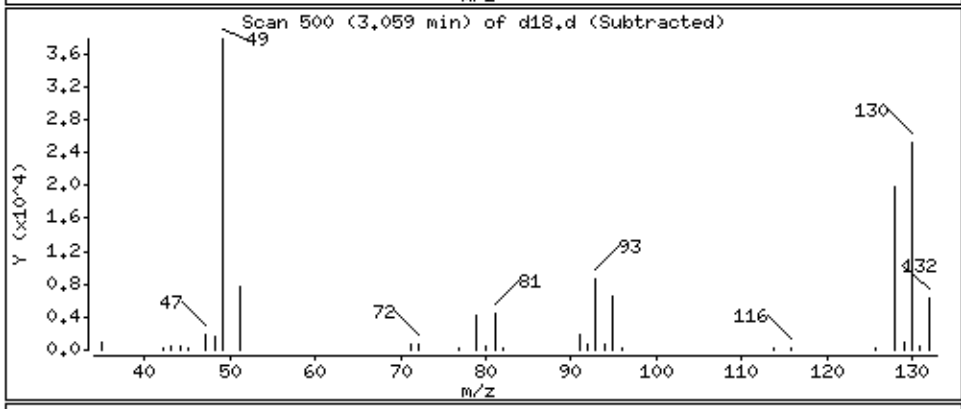
Column diameter: 0.18

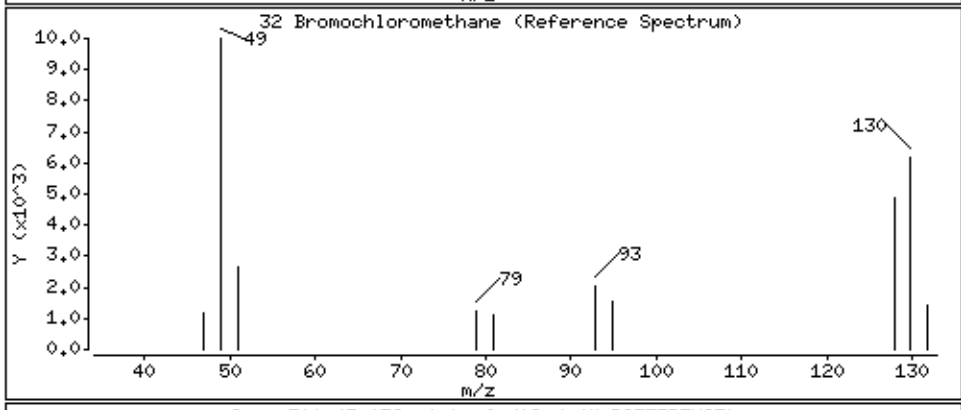
32 Bromochloromethane

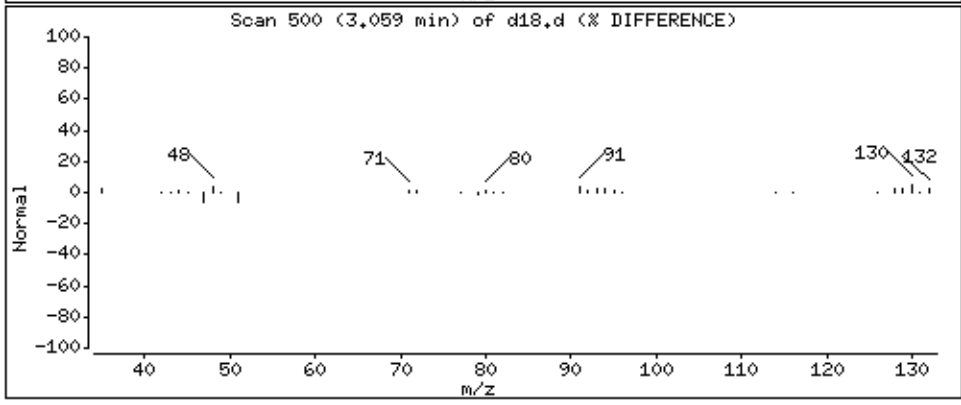
Concentration: 44.9 ppb

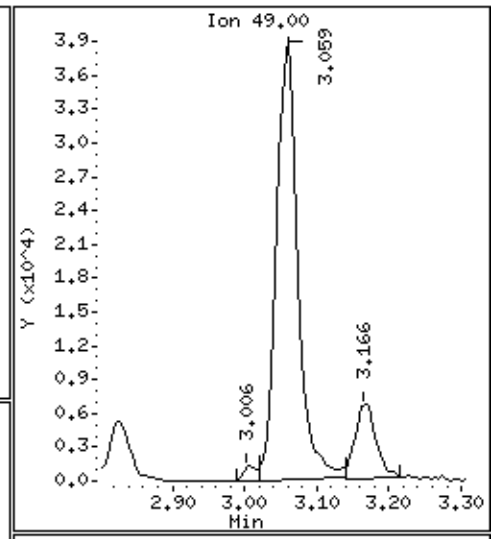
Review Code:

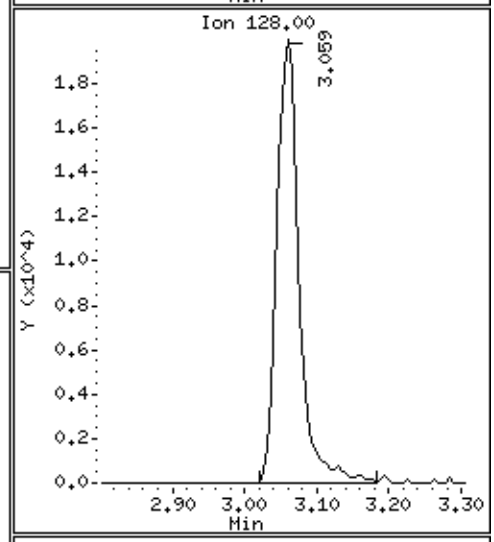


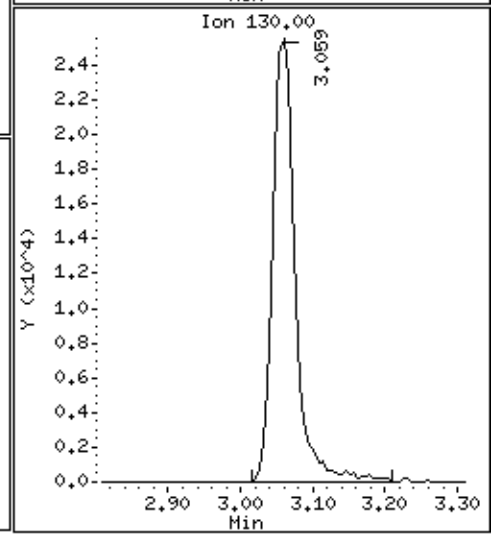












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

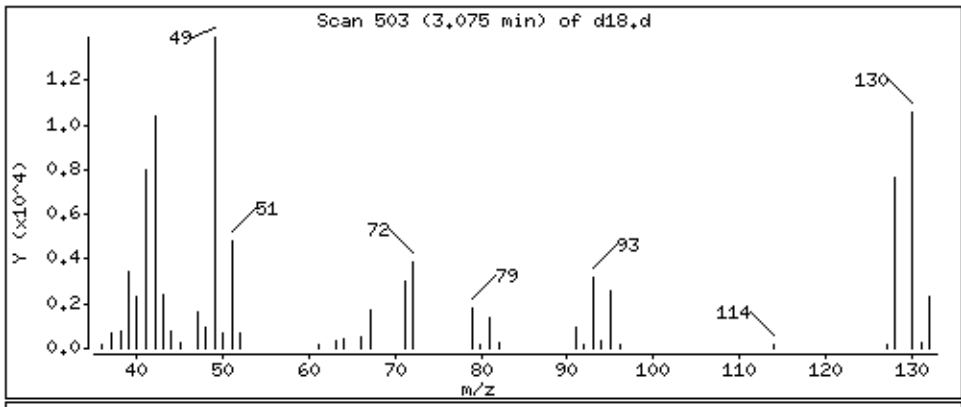
Column phase: DB-624

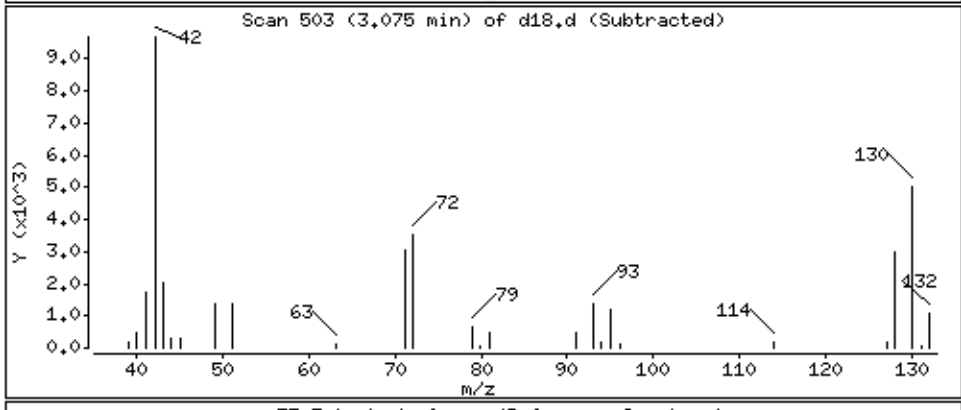
Column diameter: 0.18

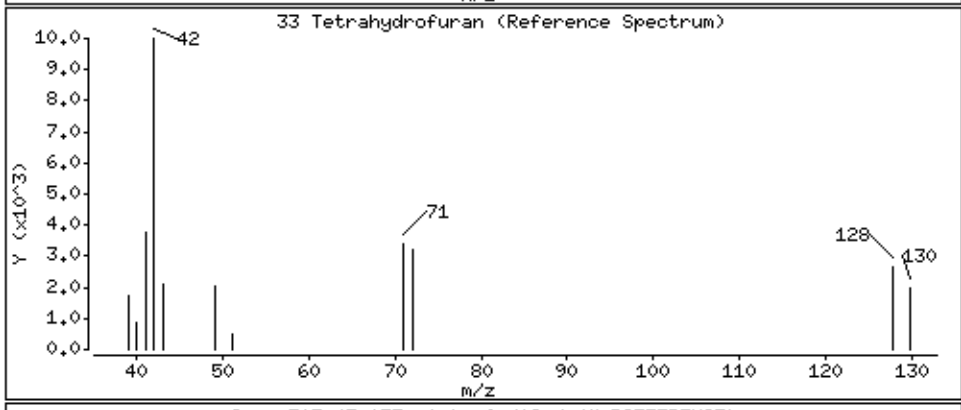
33 Tetrahydrofuran

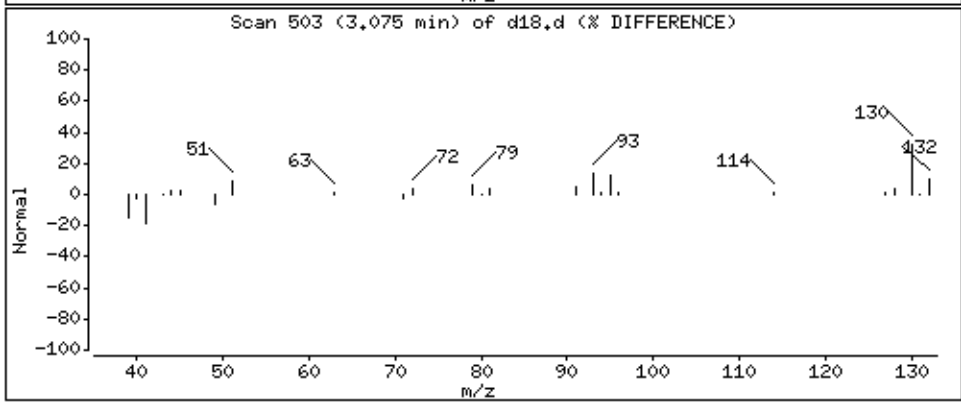
Concentration: 53.0 ppb

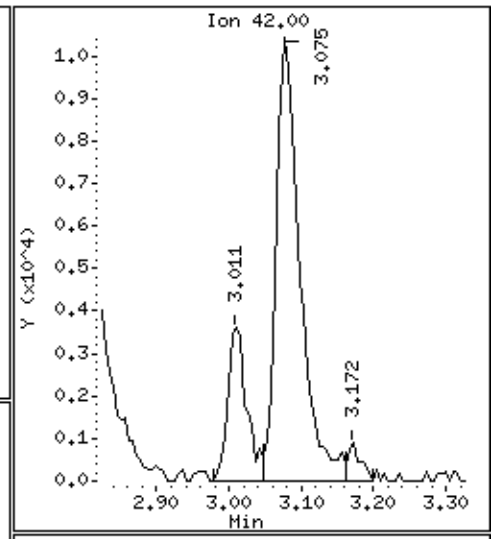
Review Code:

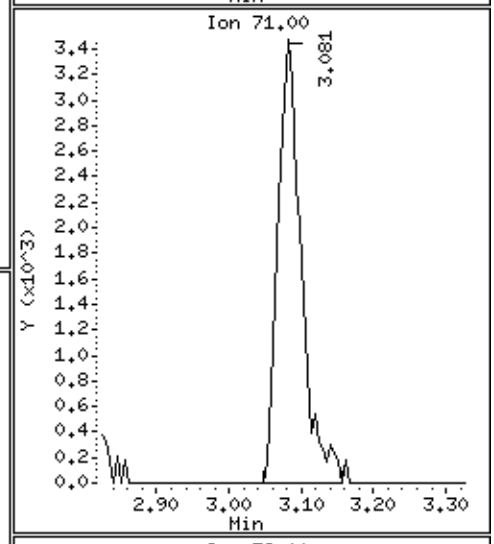


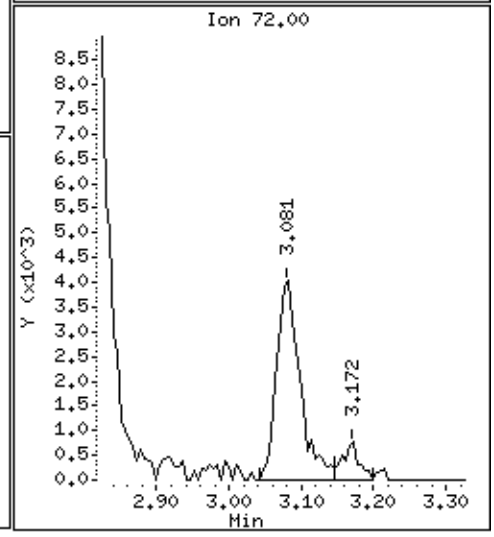












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

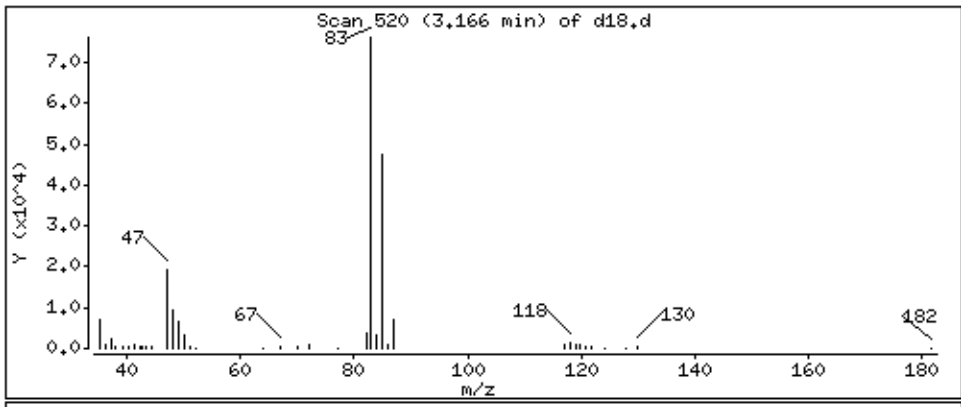
Column phase: DB-624

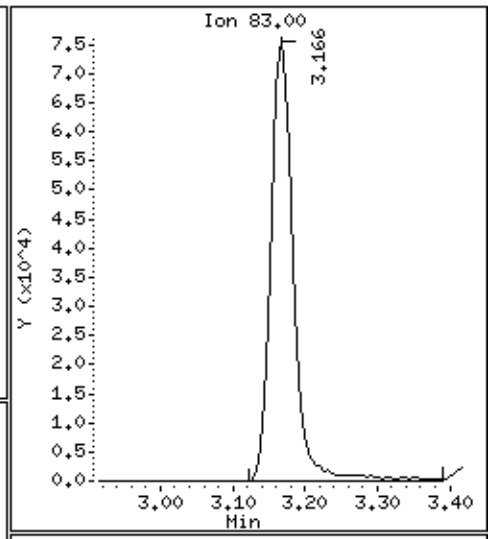
Column diameter: 0.18

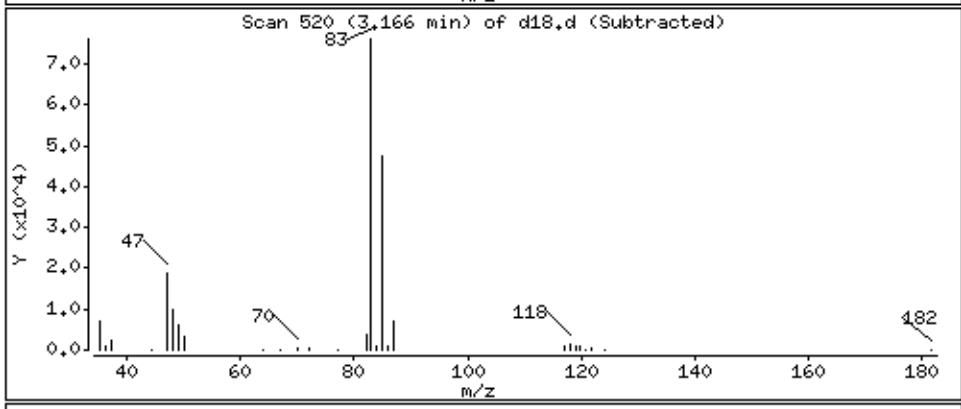
34 Chloroform

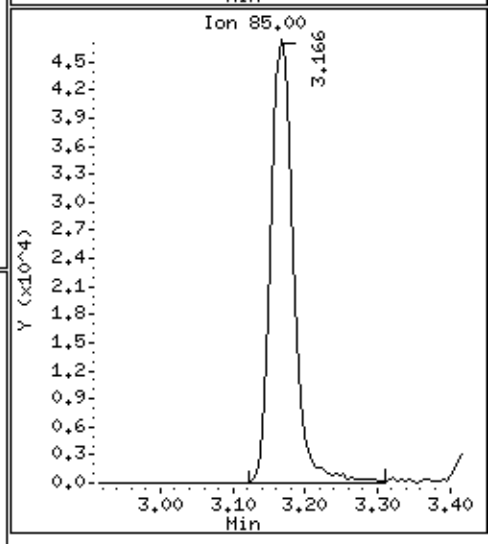
Concentration: 42.1 ppb

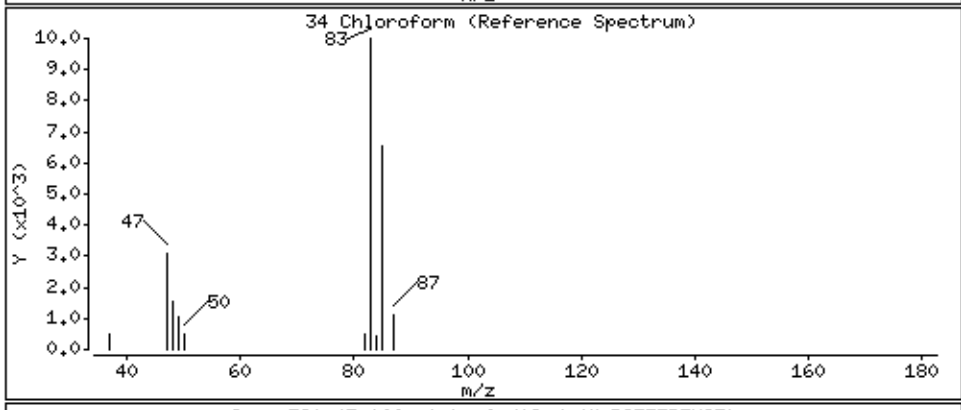
Review Code:

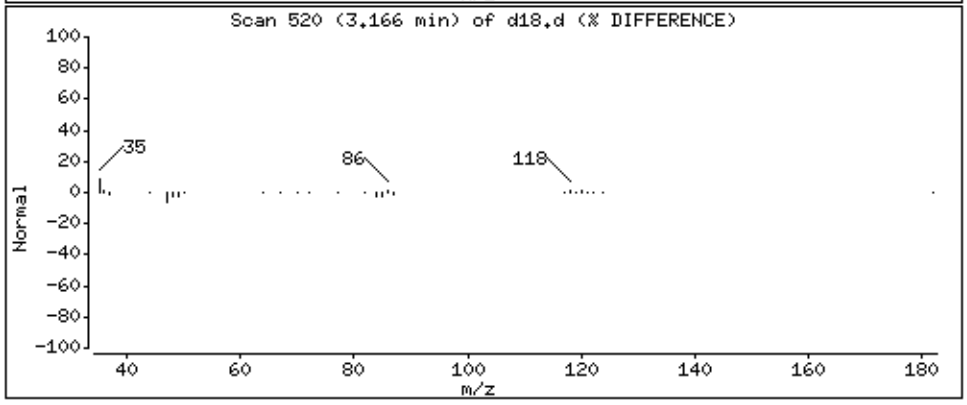












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

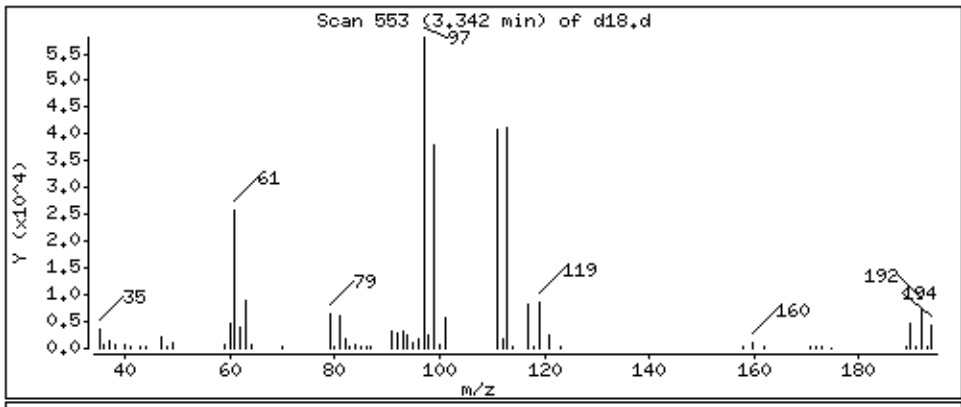
Column phase: DB-624

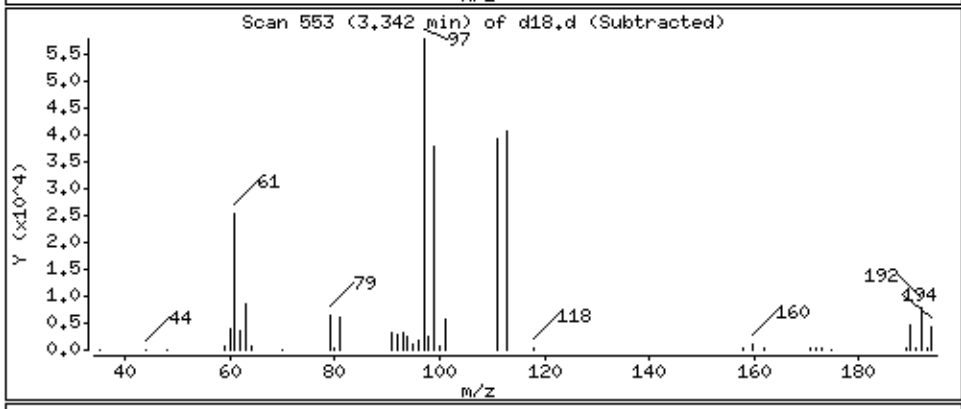
Column diameter: 0.18

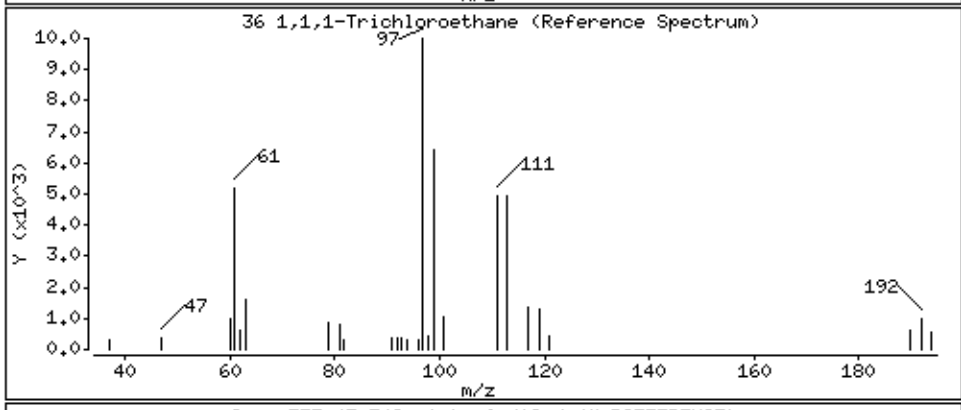
36 1,1,1-Trichloroethane

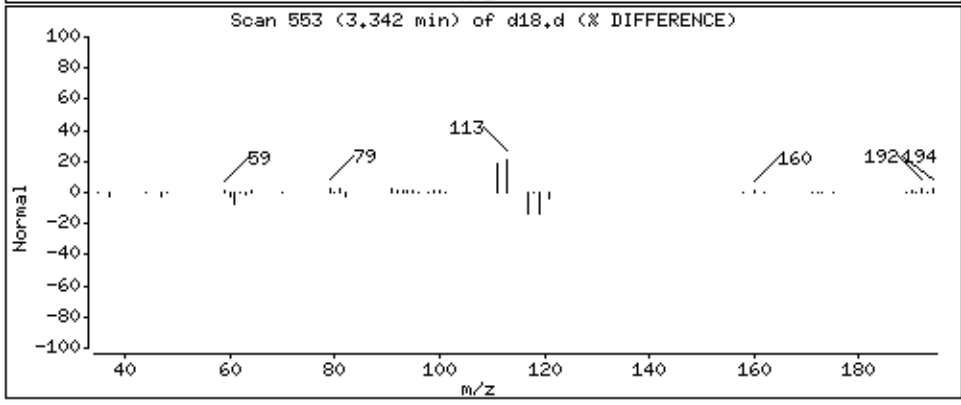
Concentration: 40.7 ppb

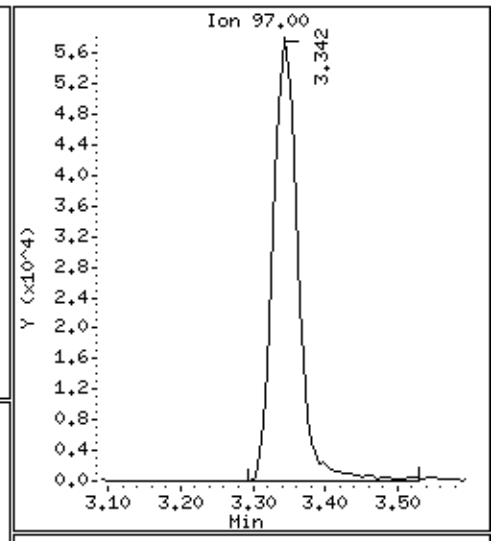
Review Code:

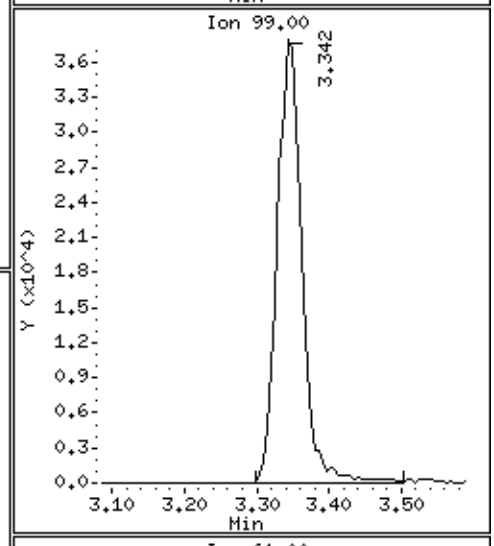


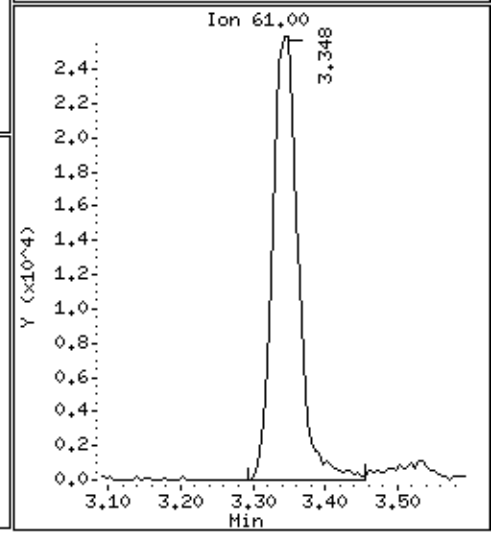












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

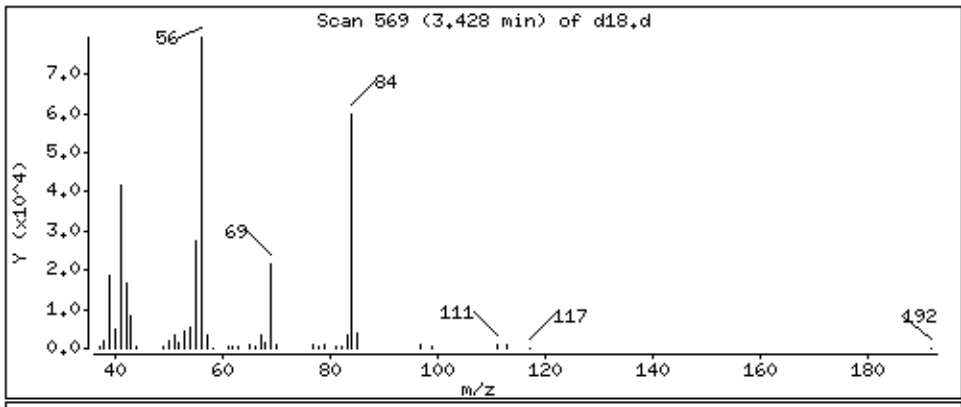
Column phase: DB-624

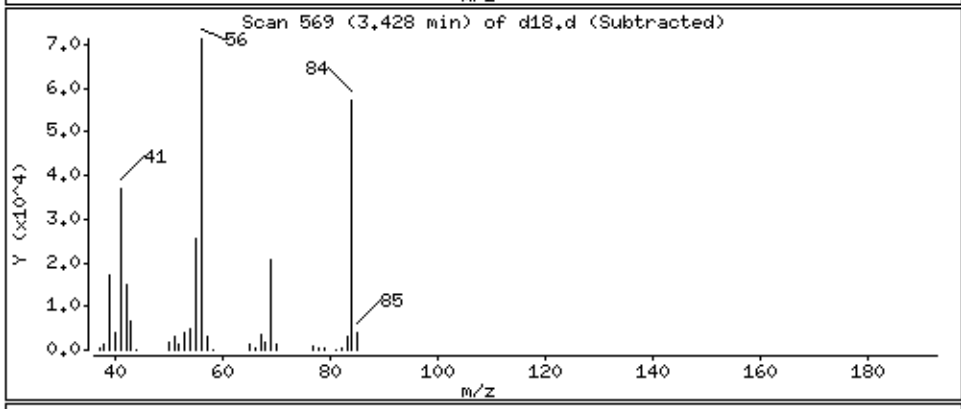
Column diameter: 0.18

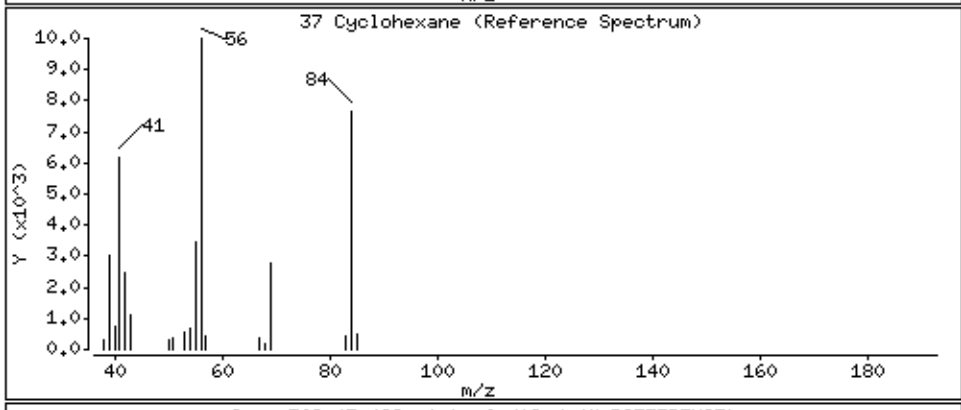
37 Cyclohexane

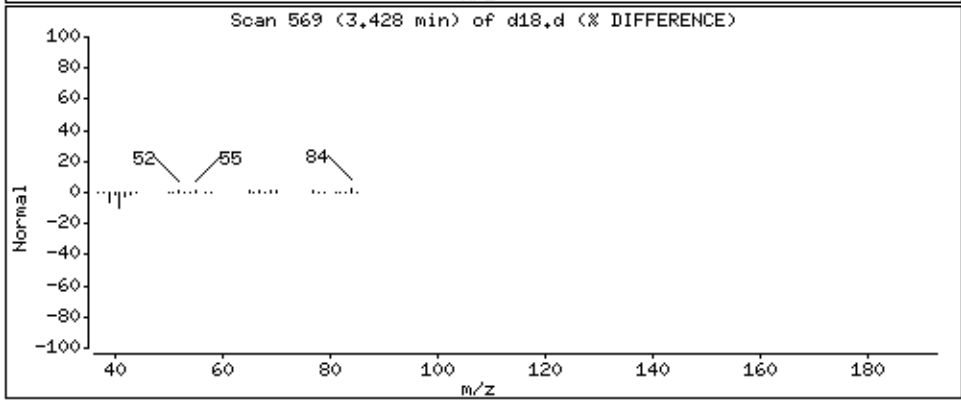
Concentration: 42.6 ppb

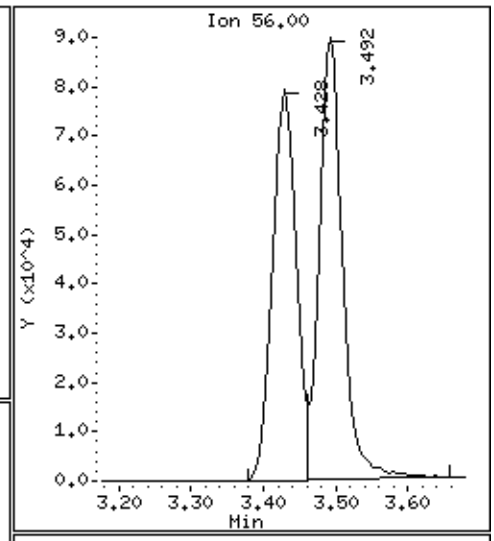
Review Code:

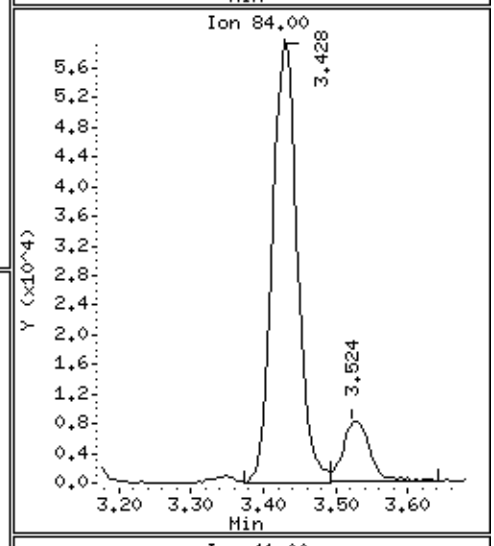


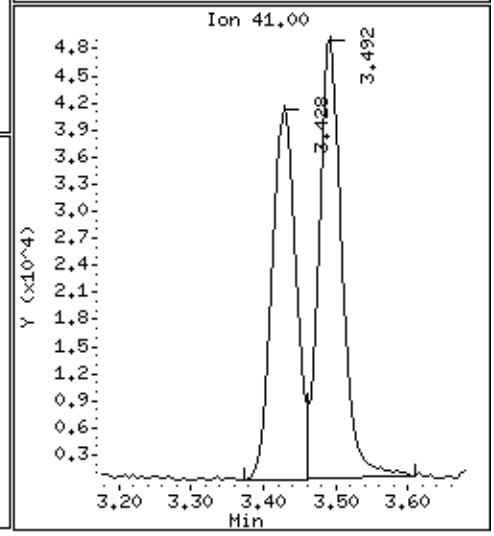












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

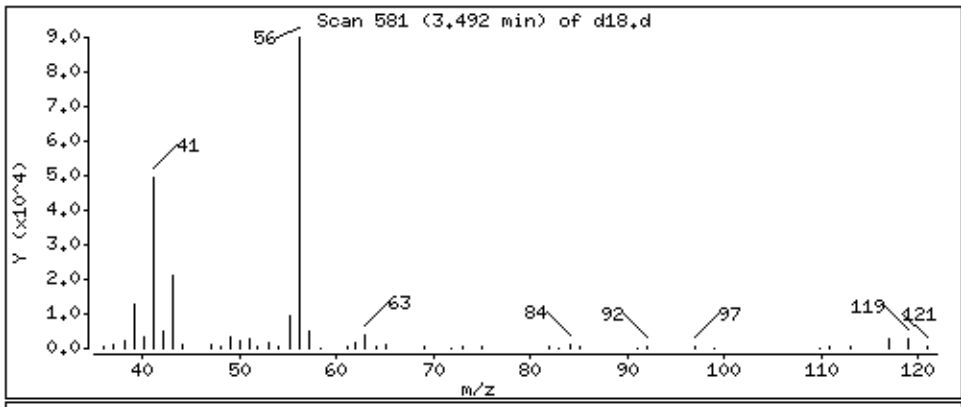
Column phase: DB-624

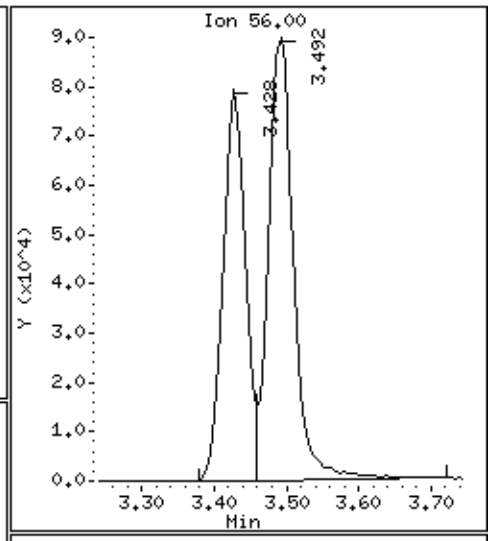
Column diameter: 0.18

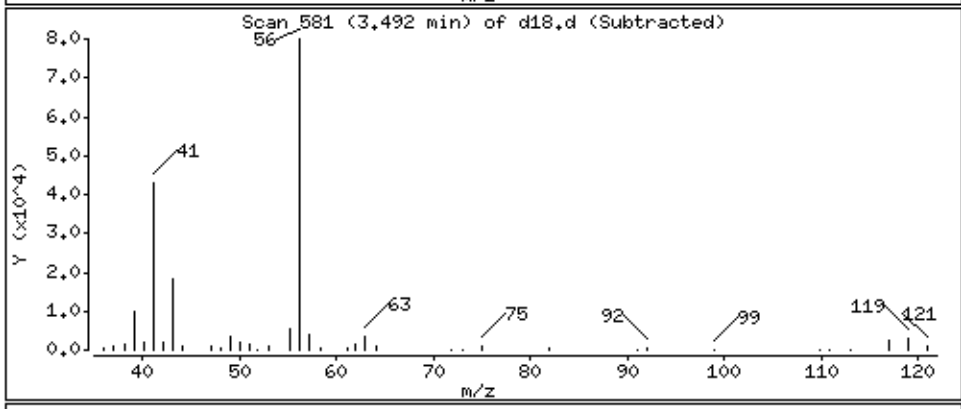
151 n-Butyl chloride

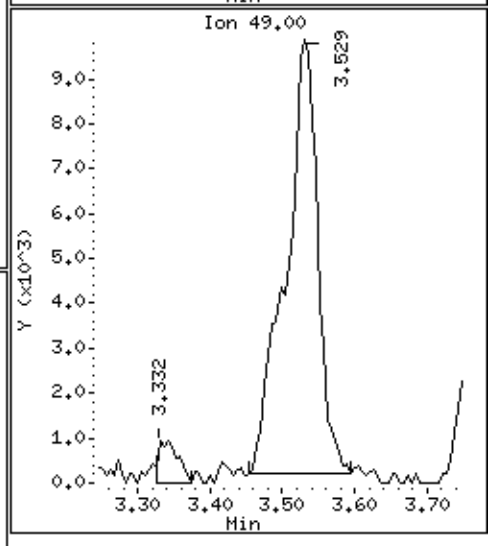
Concentration: 41.5 ppb

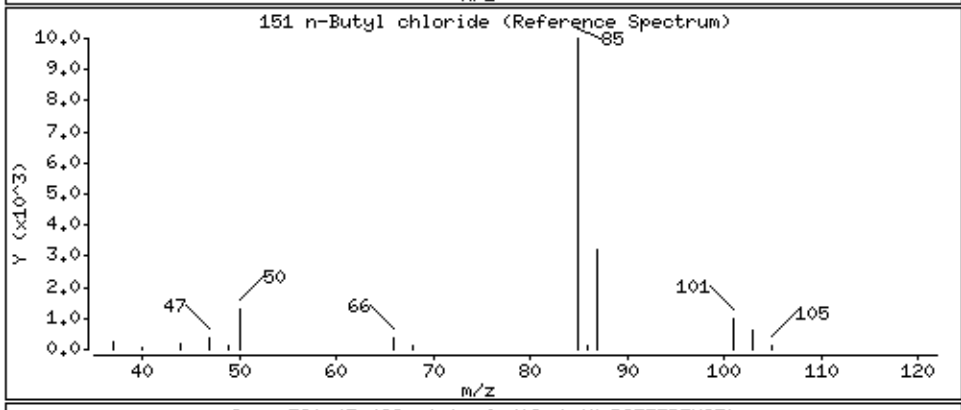
Review Code:

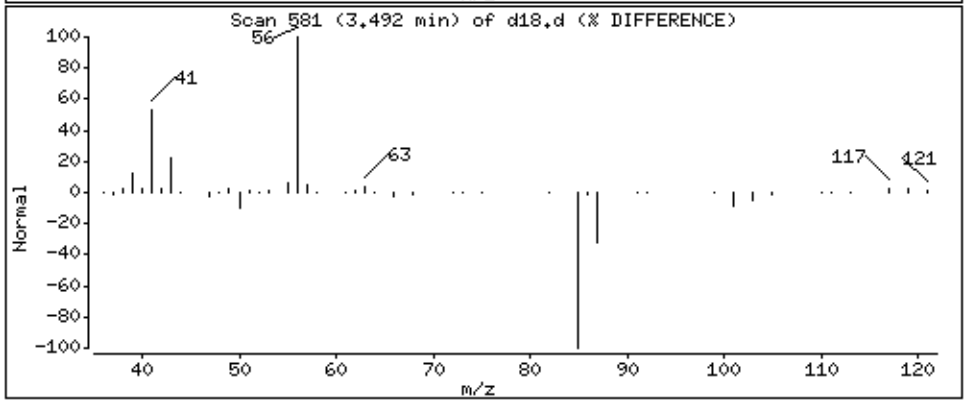












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

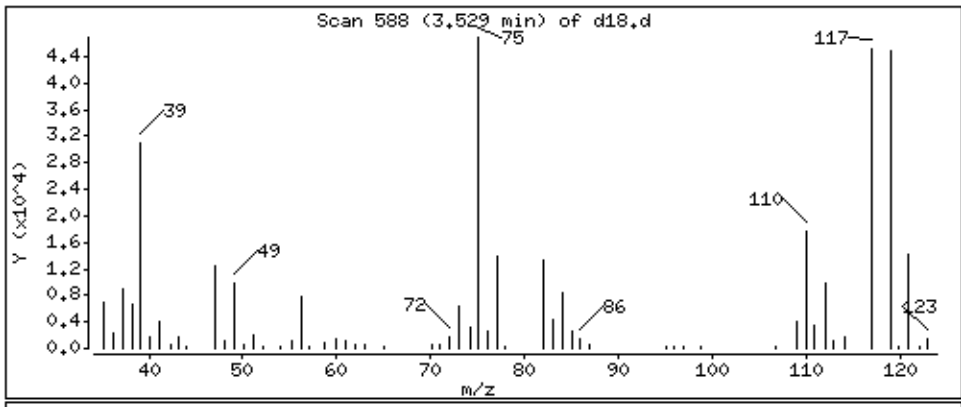
Column phase: DB-624

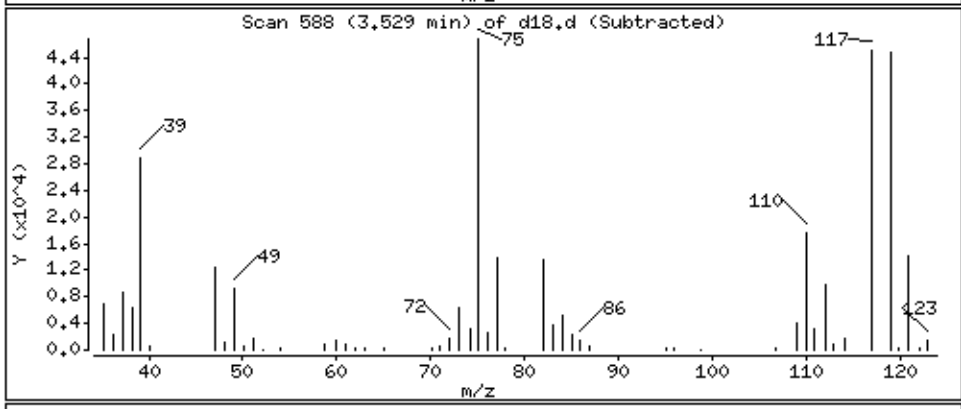
Column diameter: 0.18

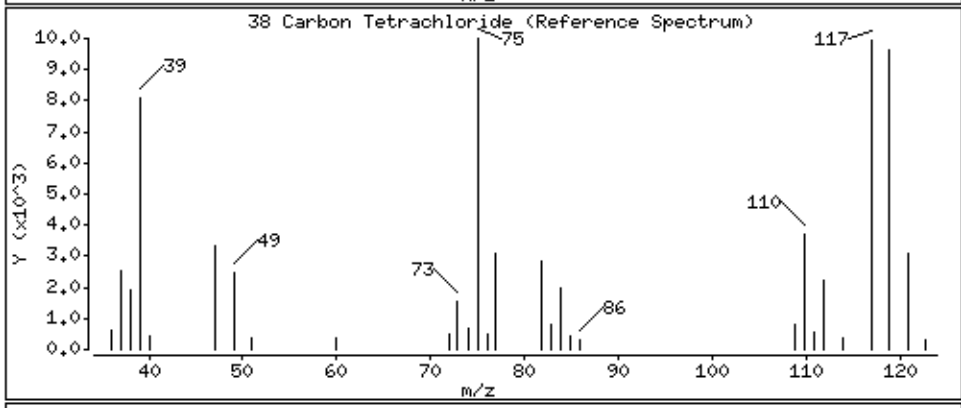
38 Carbon Tetrachloride

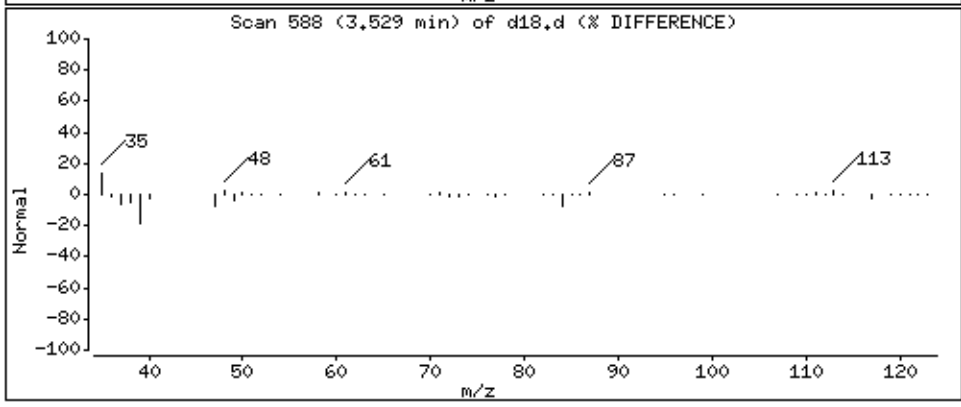
Concentration: 38.6 ppb

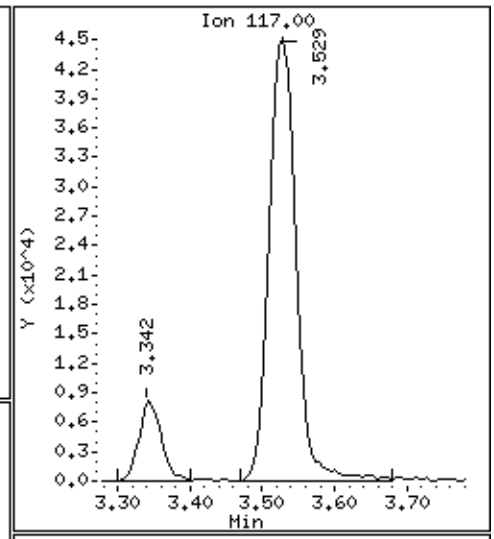
Review Code:

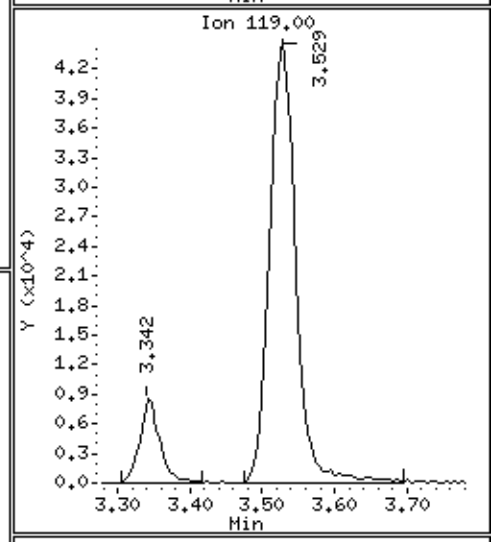


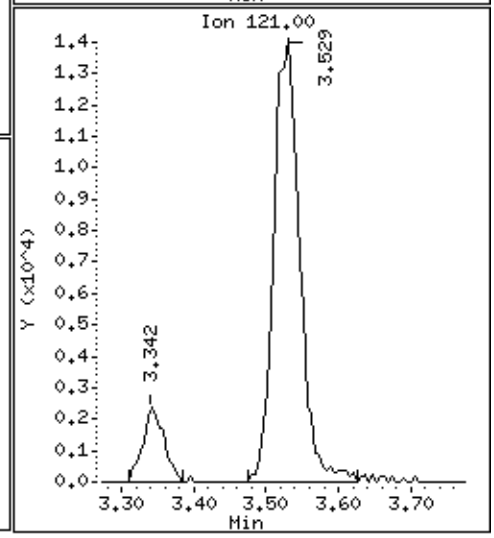












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

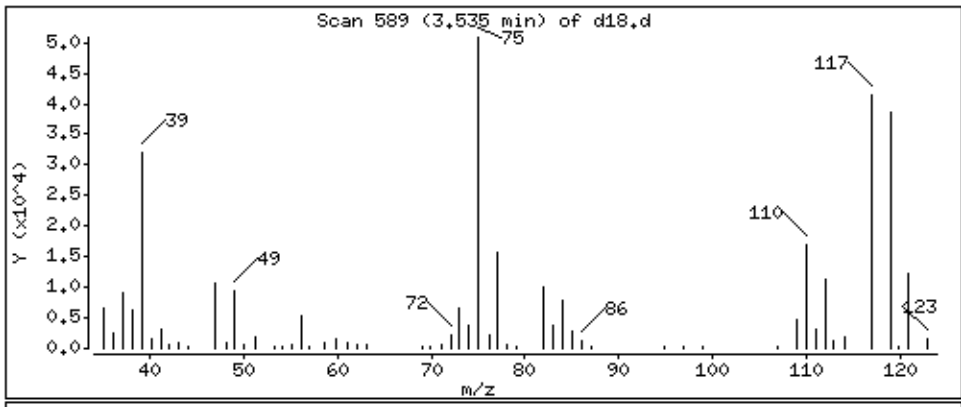
Column phase: DB-624

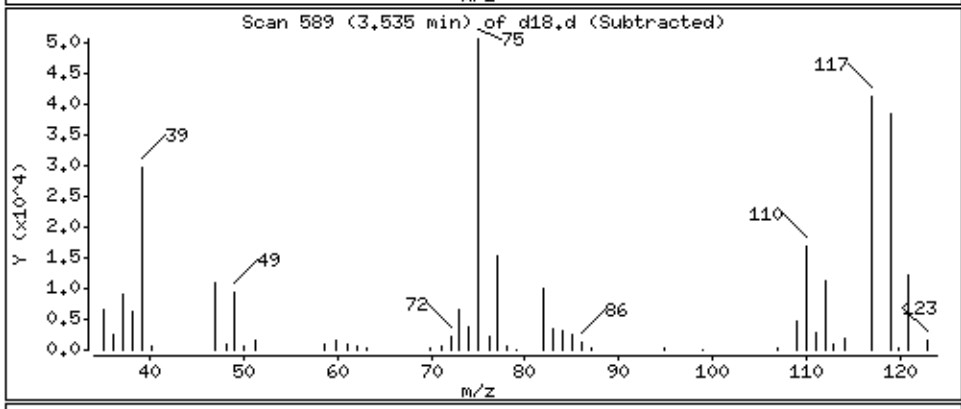
Column diameter: 0.18

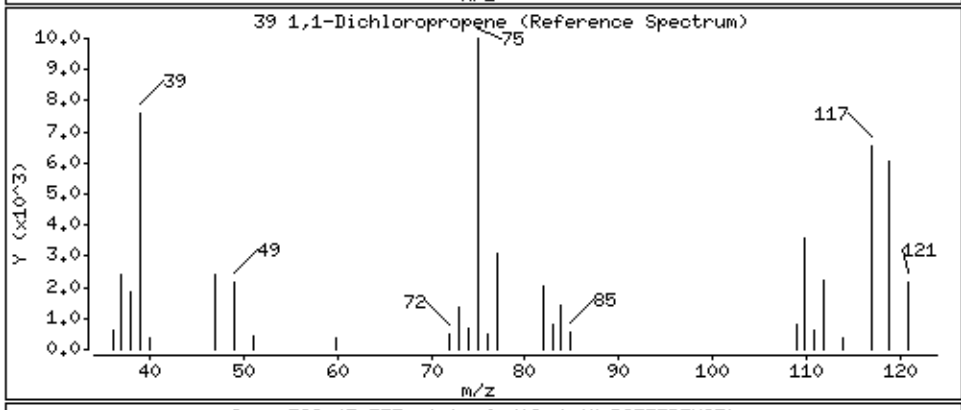
39 1,1-Dichloropropene

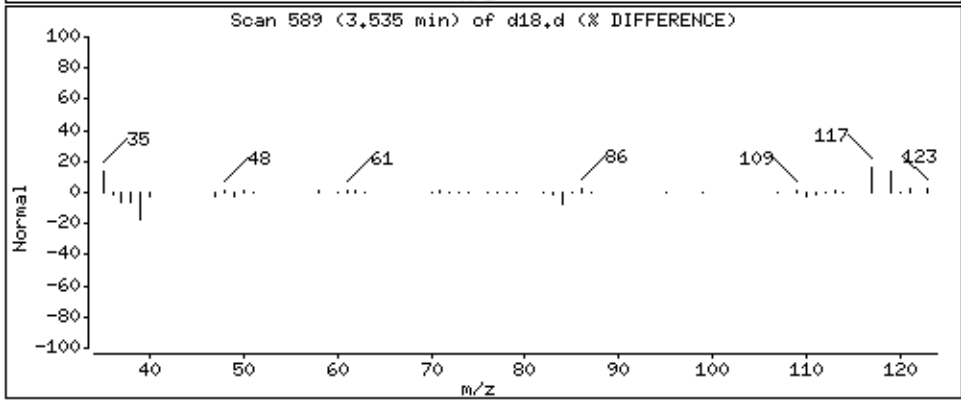
Concentration: 36.8 ppb

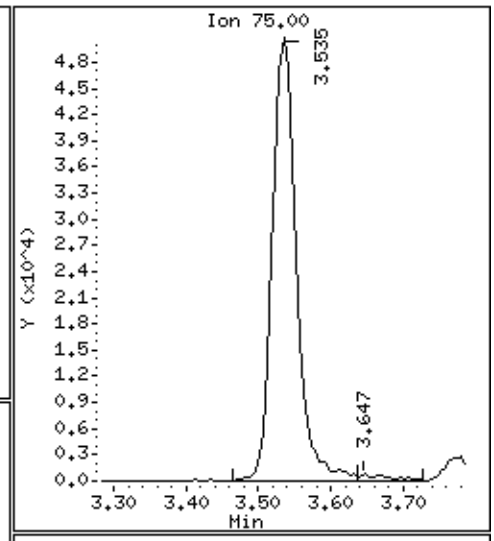
Review Code:

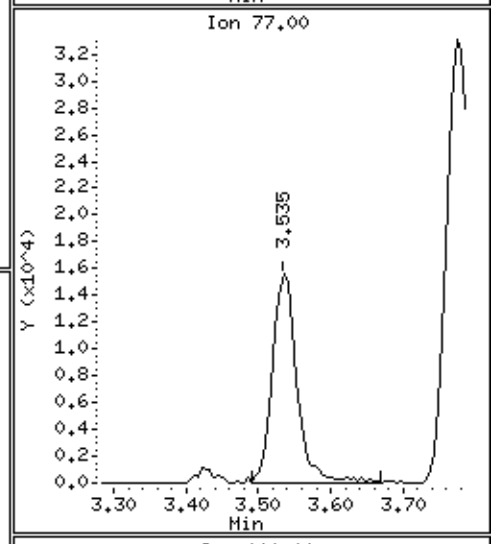


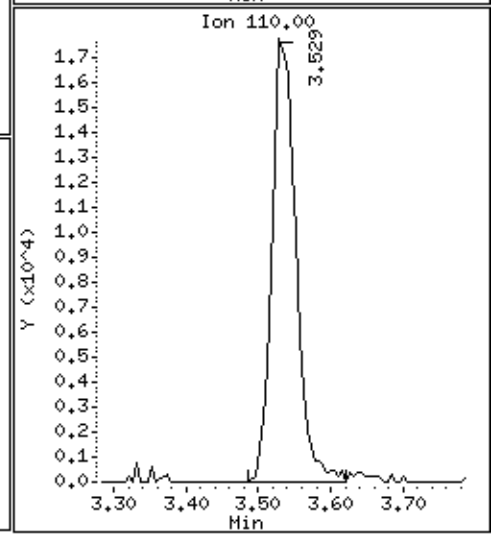












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

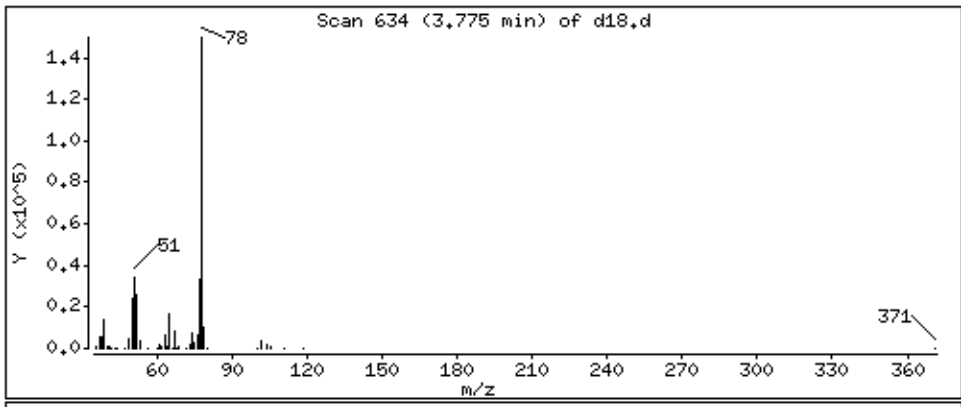
Column phase: DB-624

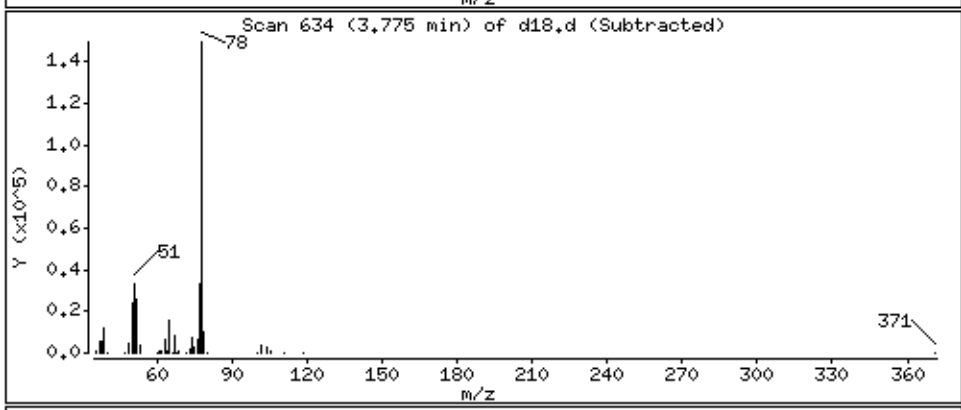
Column diameter: 0.18

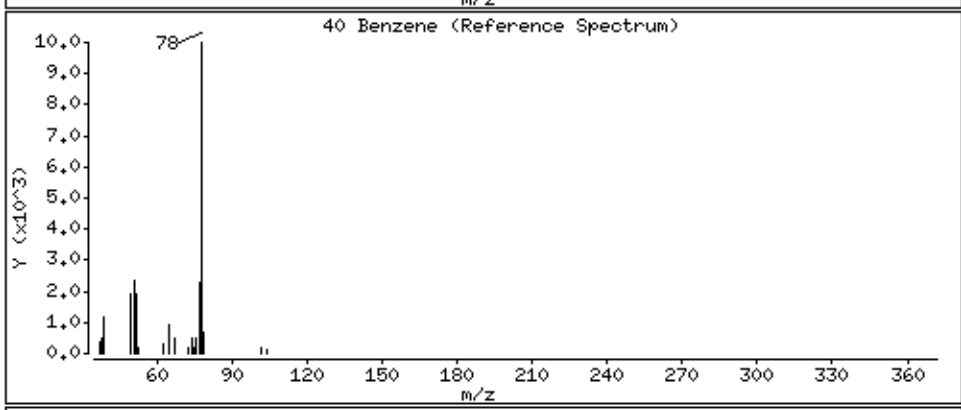
40 Benzene

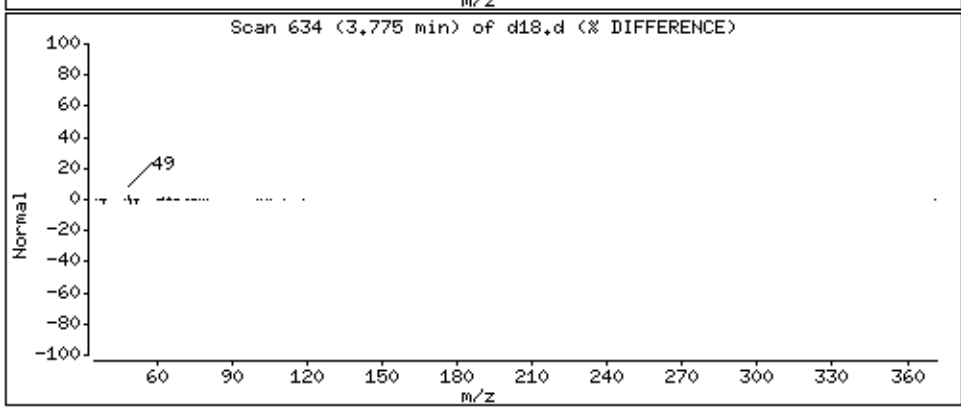
Concentration: 41.8 ppb

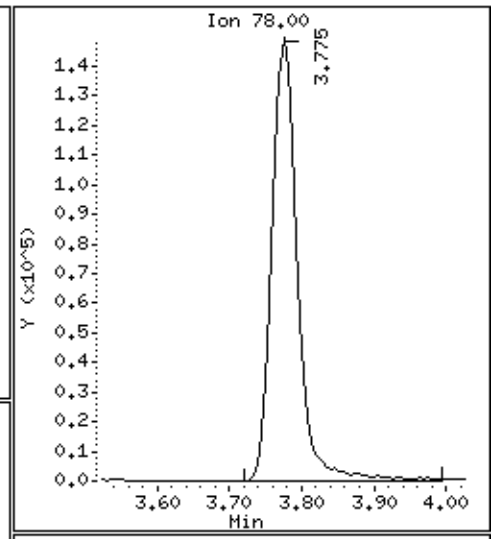
Review Code:

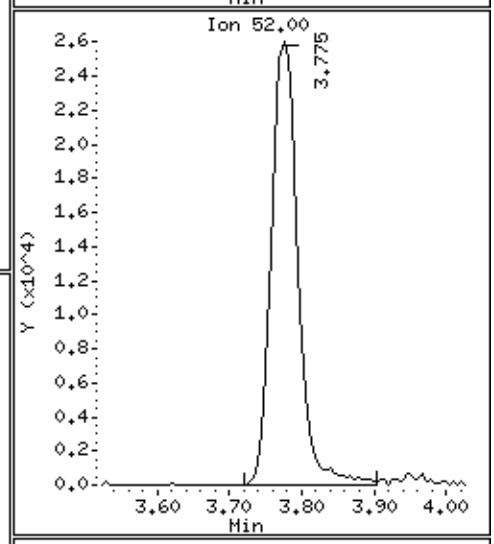


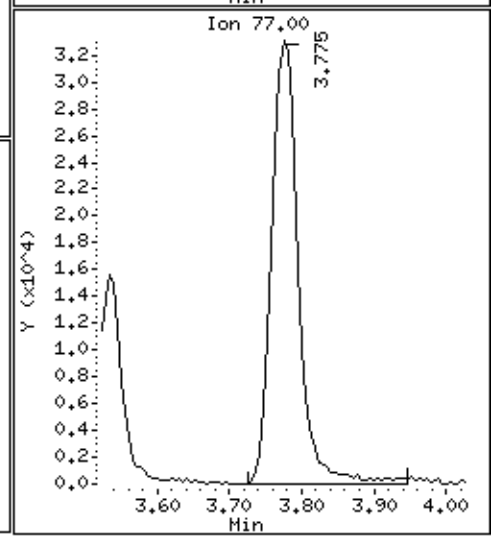












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Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

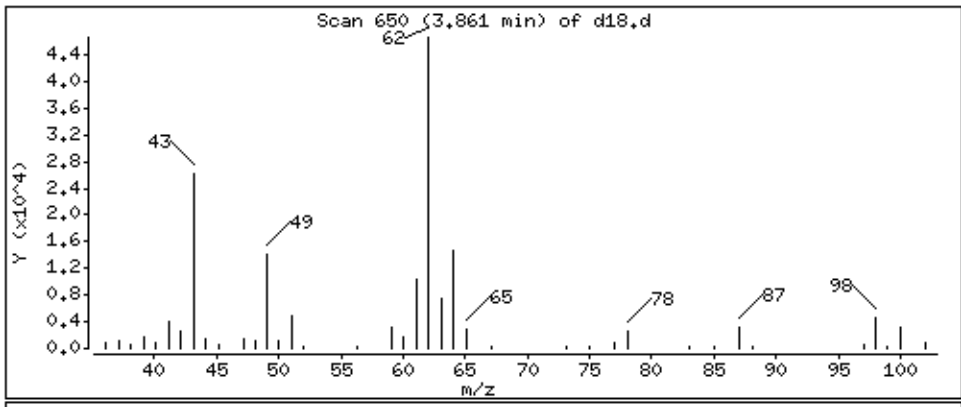
Column phase: DB-624

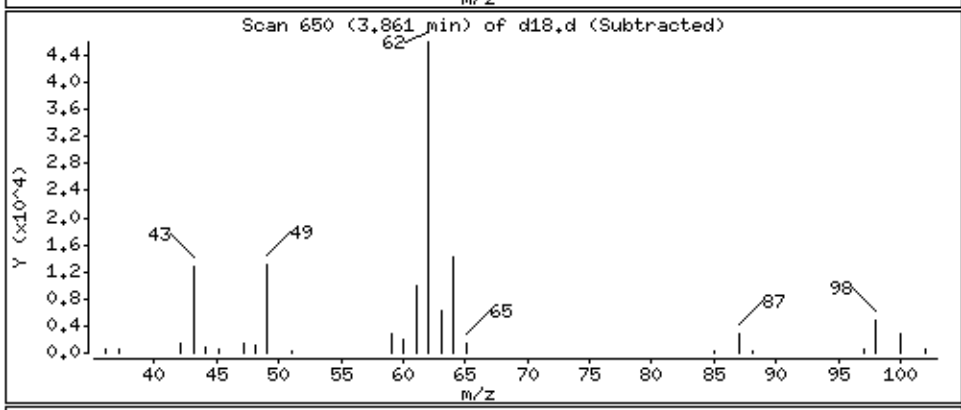
Column diameter: 0.18

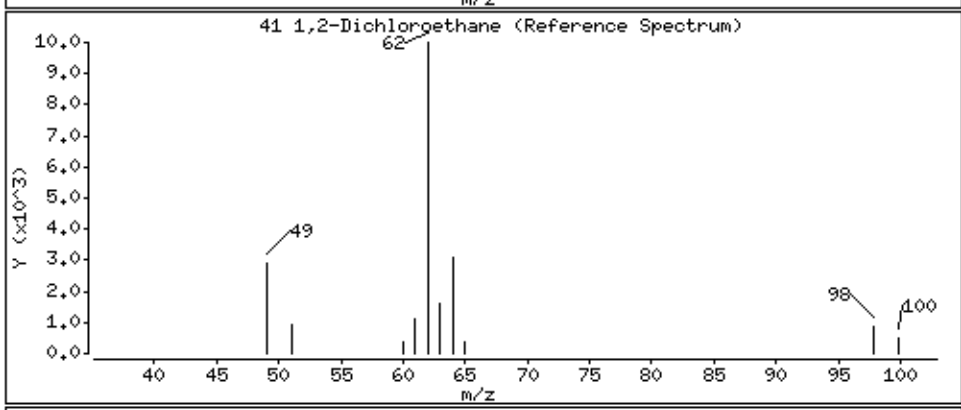
41 1,2-Dichloroethane

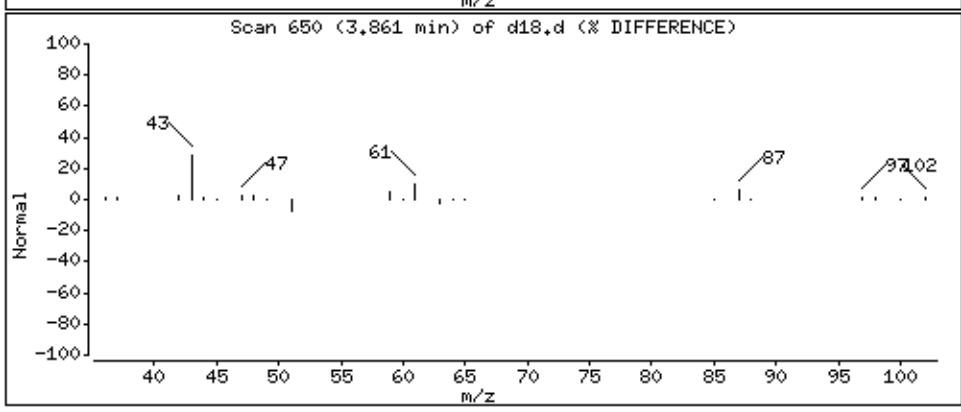
Concentration: 42.2 ppb

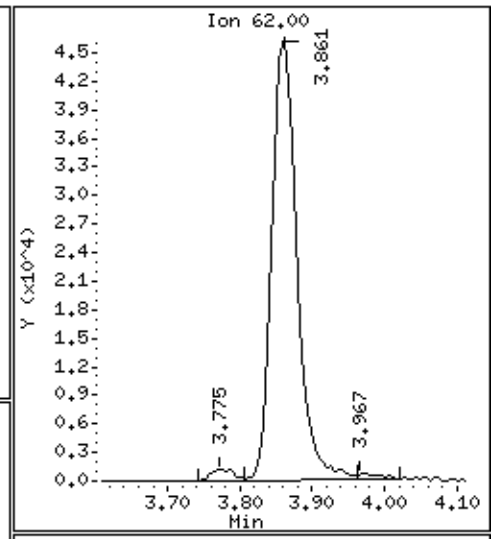
Review Code:

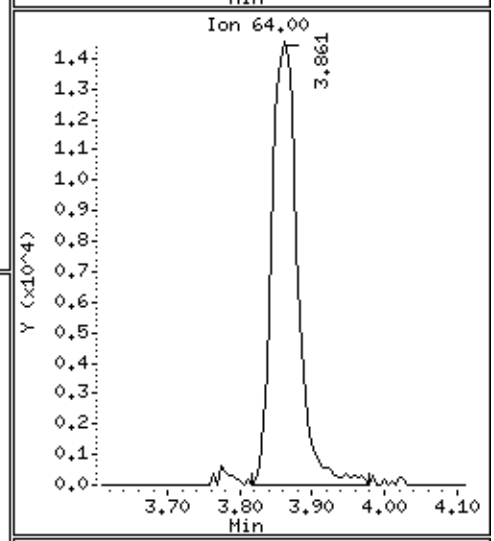


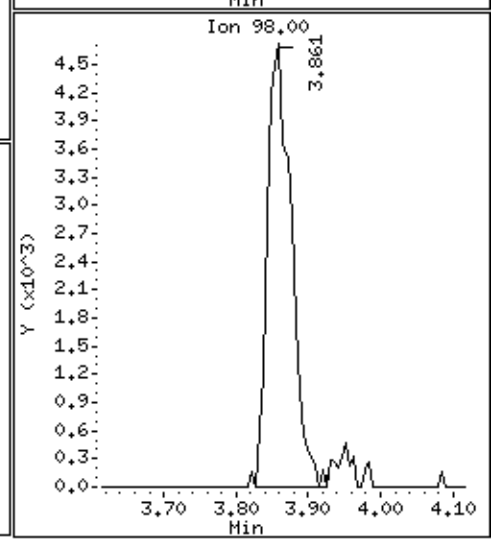












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Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

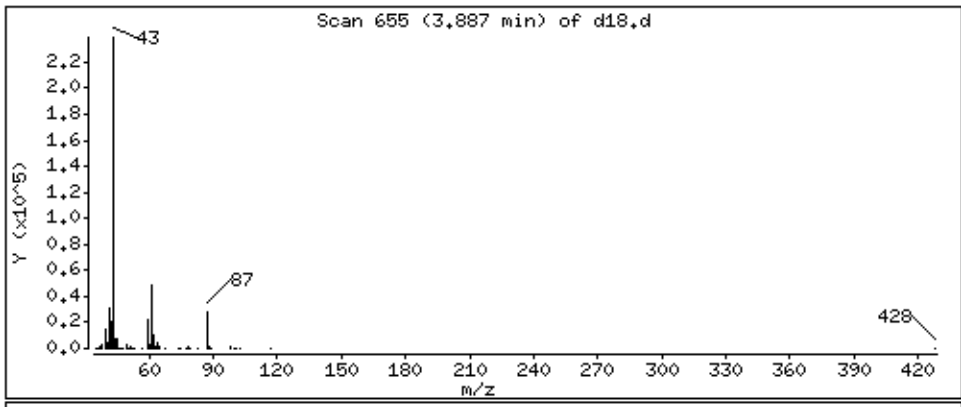
Column phase: DB-624

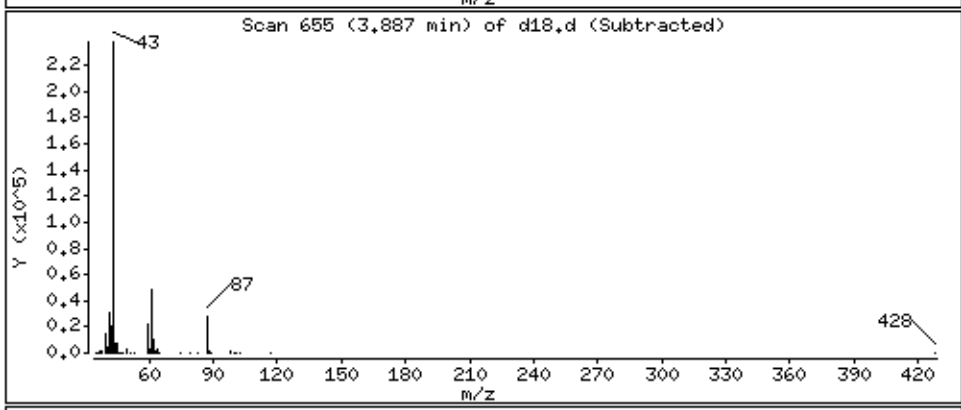
Column diameter: 0.18

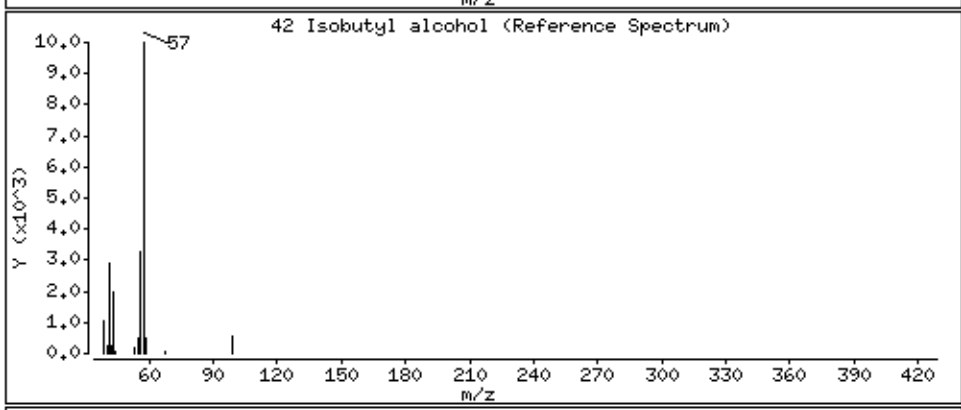
42 Isobutyl alcohol

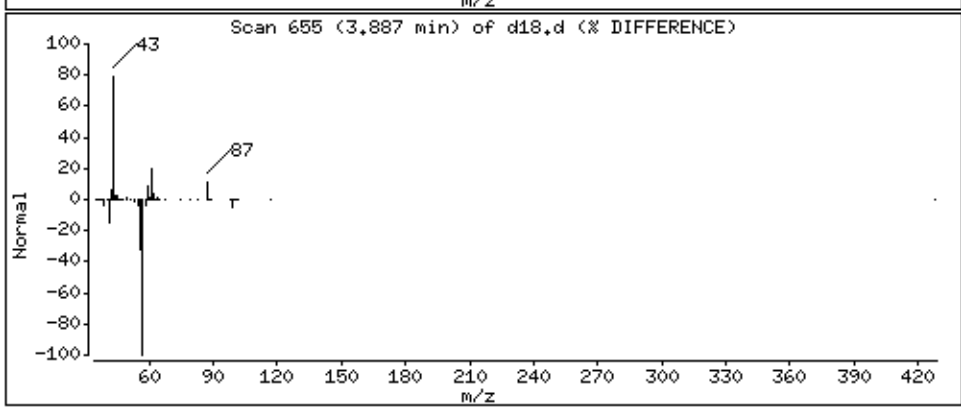
Concentration: 51.5 ppb

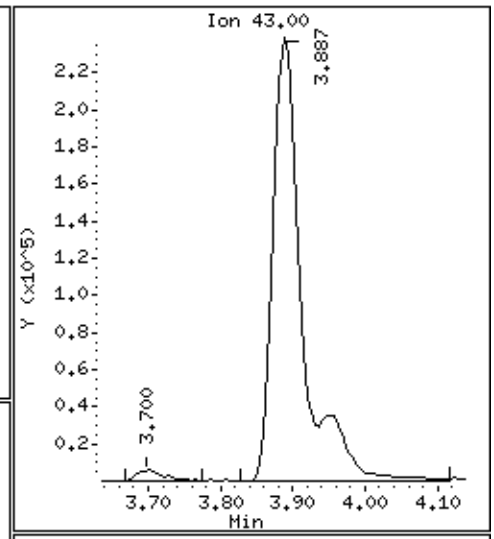
Review Code:

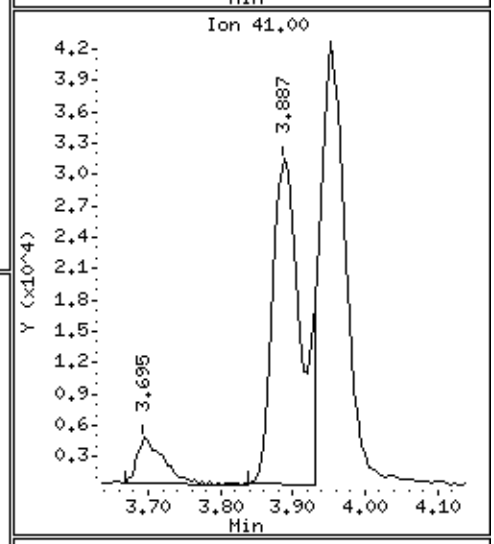


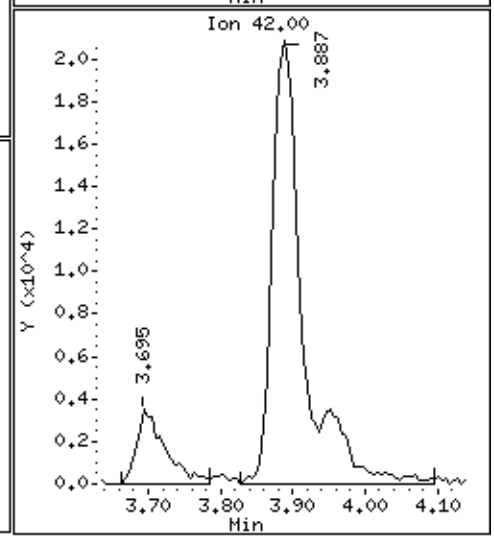












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

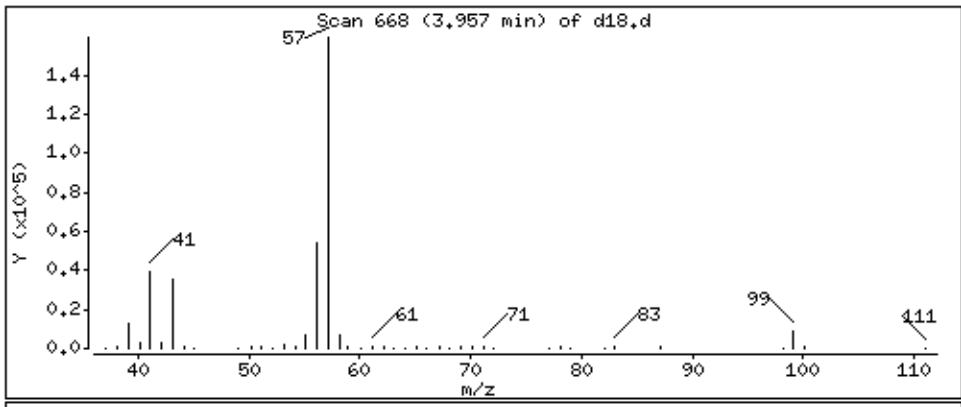
Column phase: DB-624

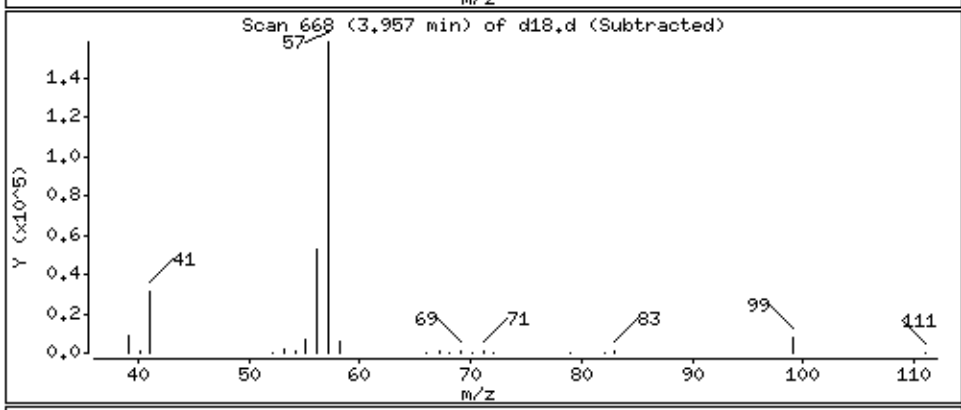
Column diameter: 0.18

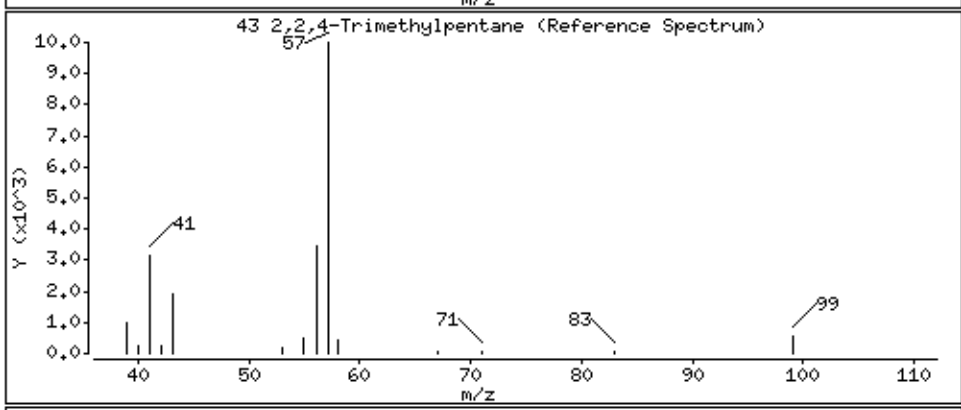
43 2,2,4-Trimethylpentane

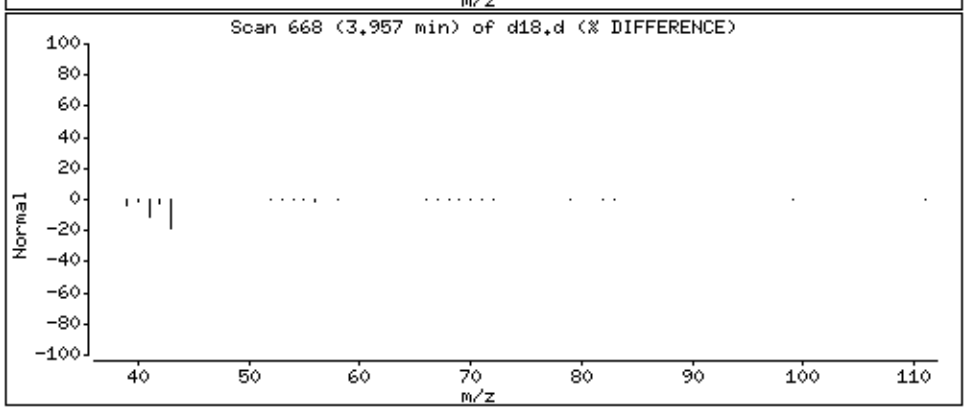
Concentration: 43.9 ppb

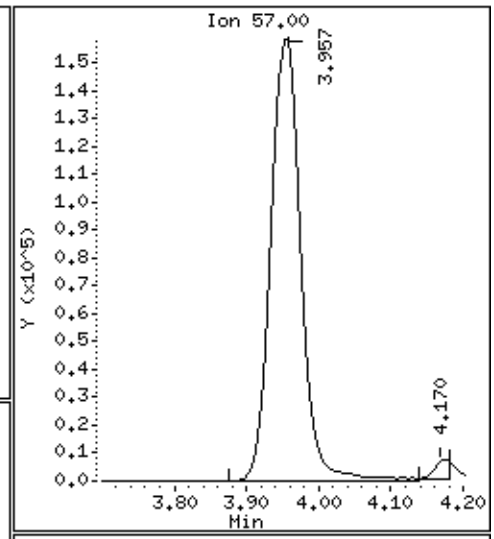
Review Code:

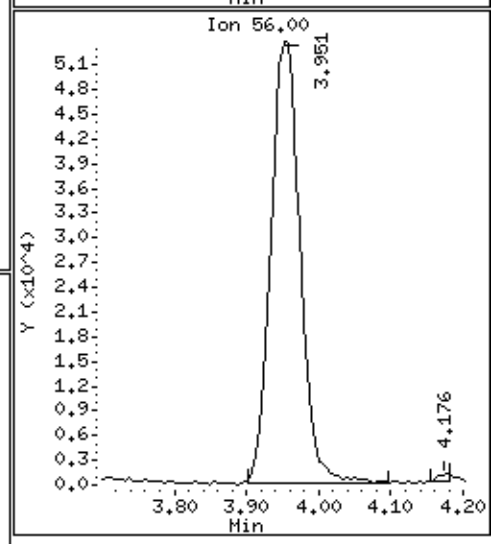












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

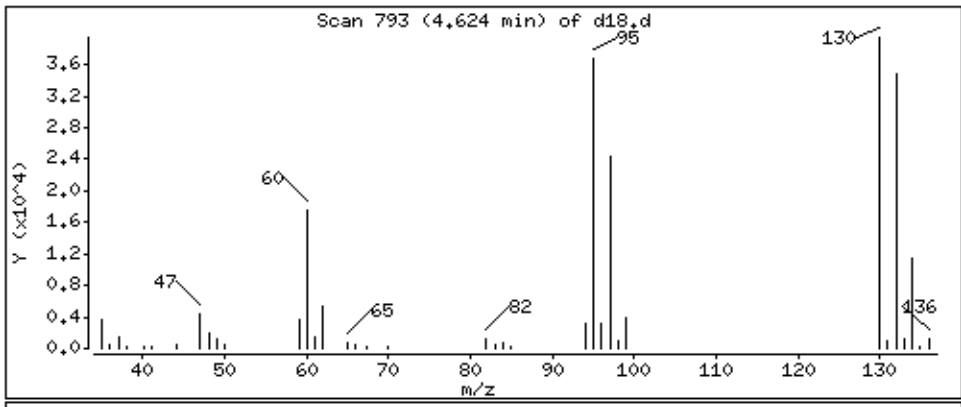
Column phase: DB-624

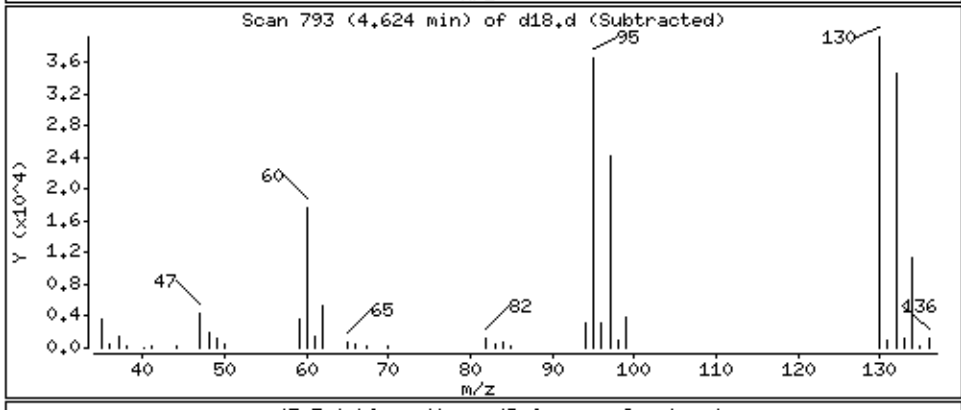
Column diameter: 0.18

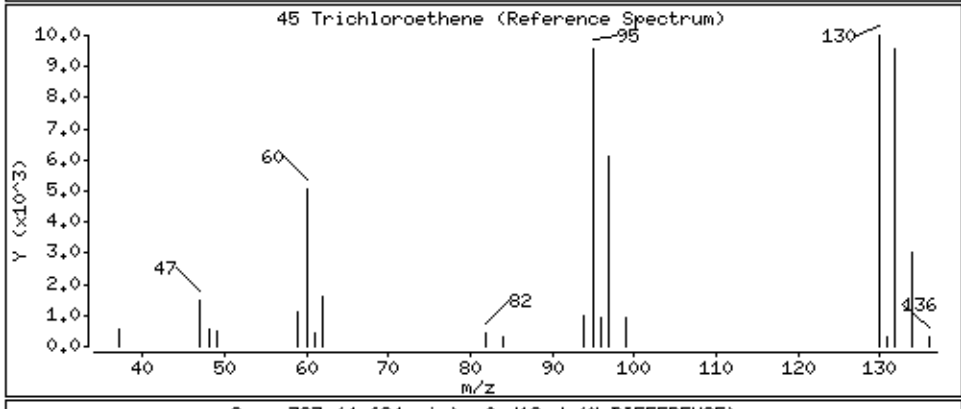
45 Trichloroethene

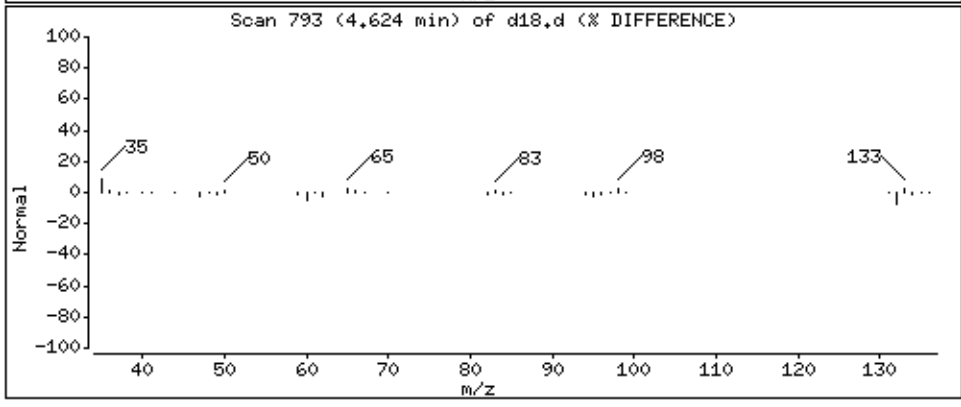
Concentration: 36.0 ppb

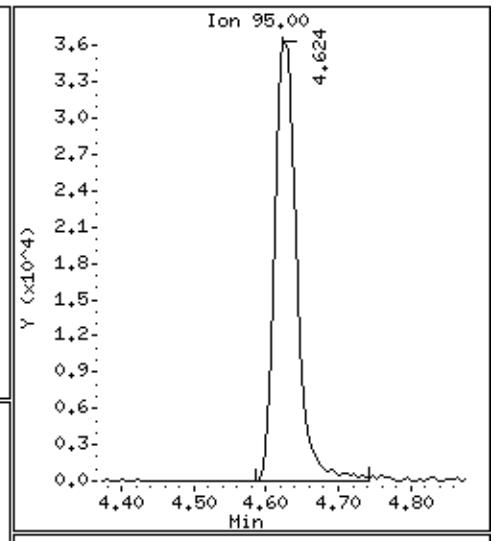
Review Code:

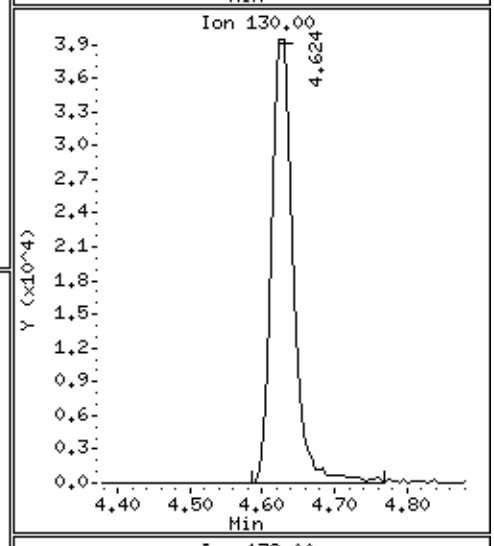


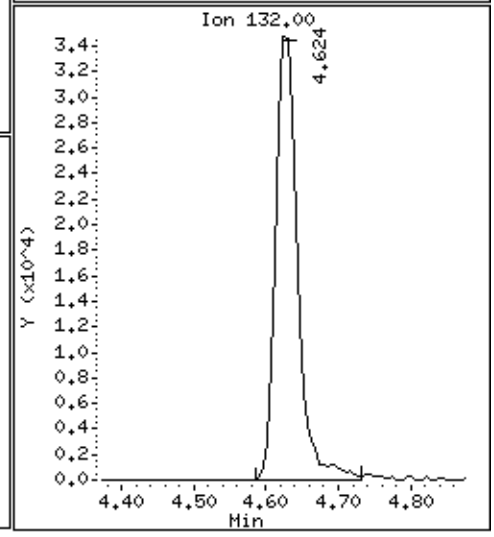












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

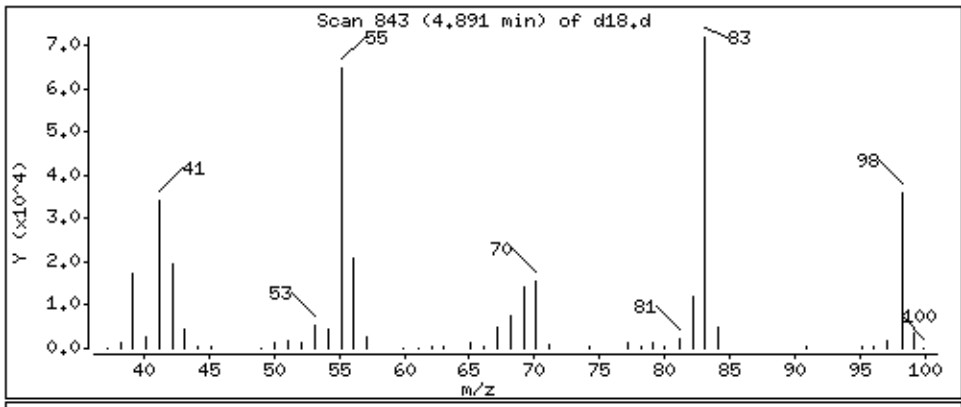
Column phase: DB-624

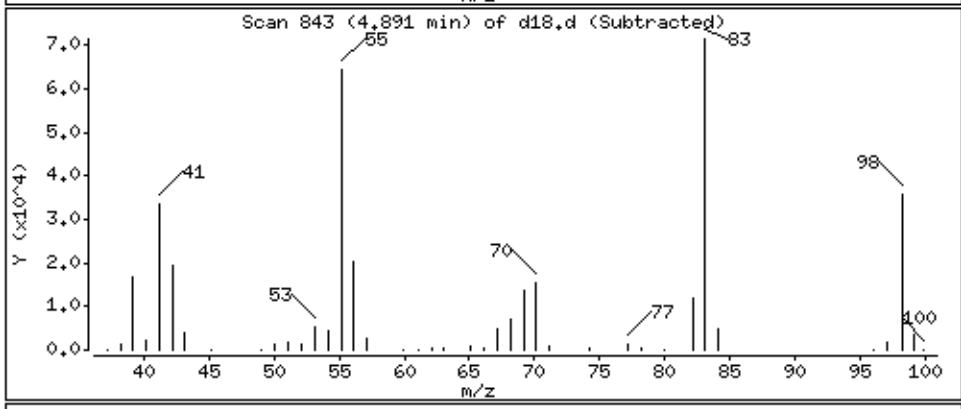
Column diameter: 0.18

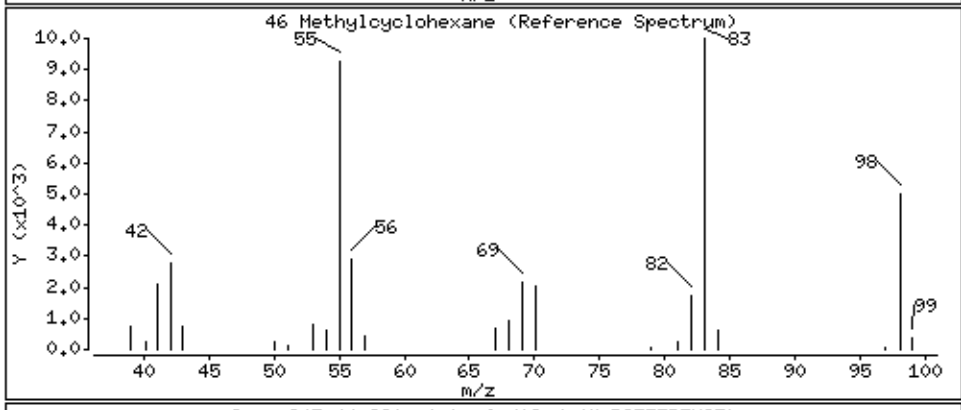
46 Methylcyclohexane

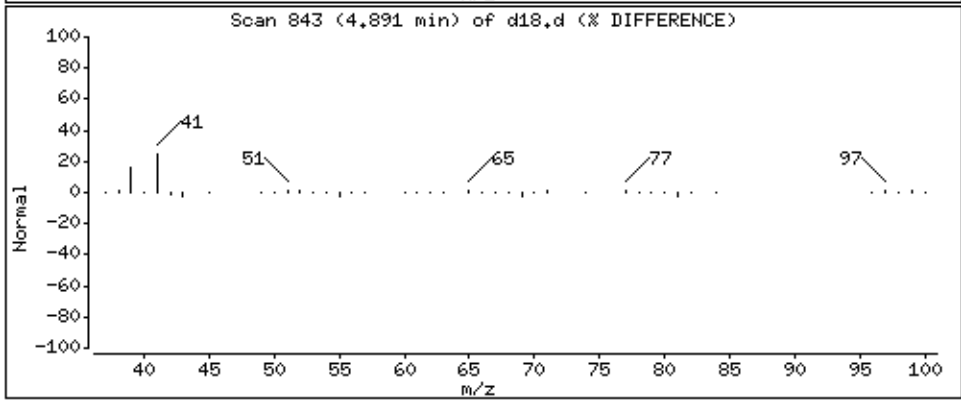
Concentration: 41.4 ppb

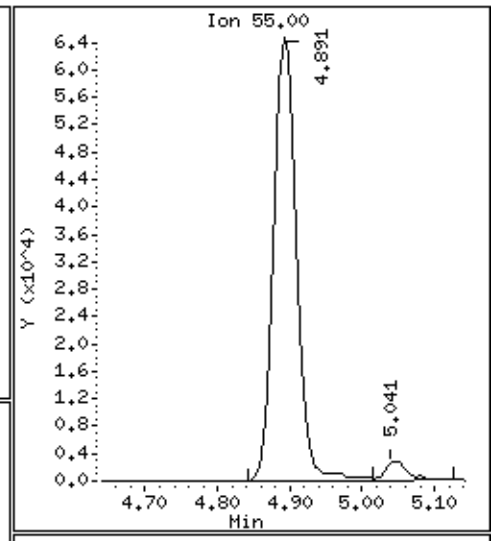
Review Code:

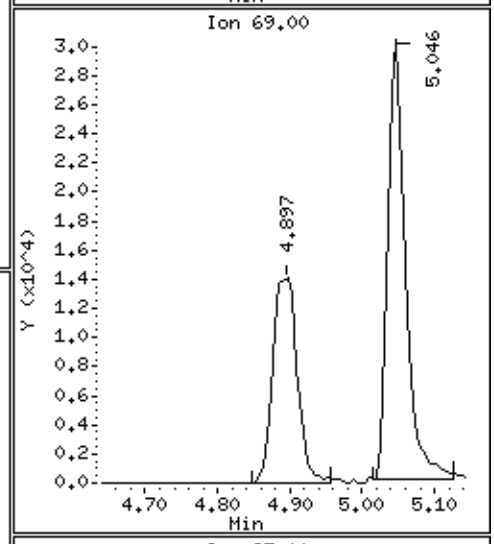


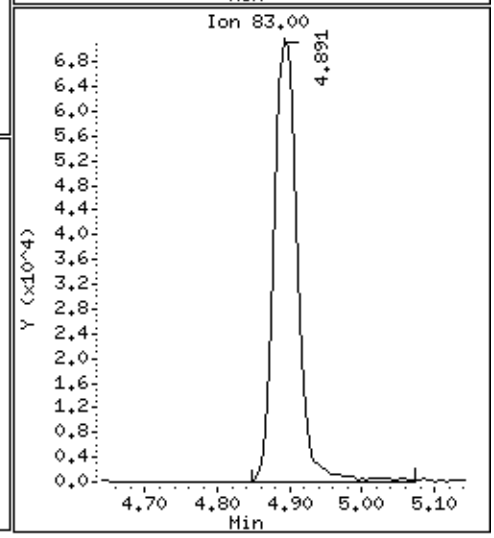












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

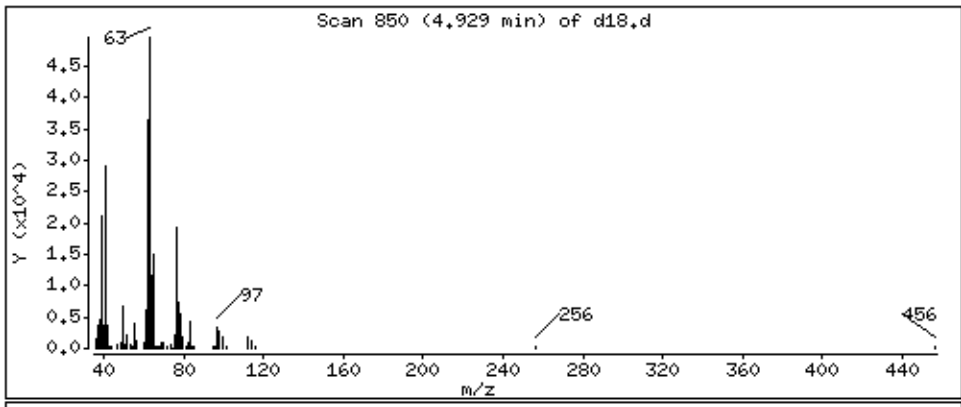
Column phase: DB-624

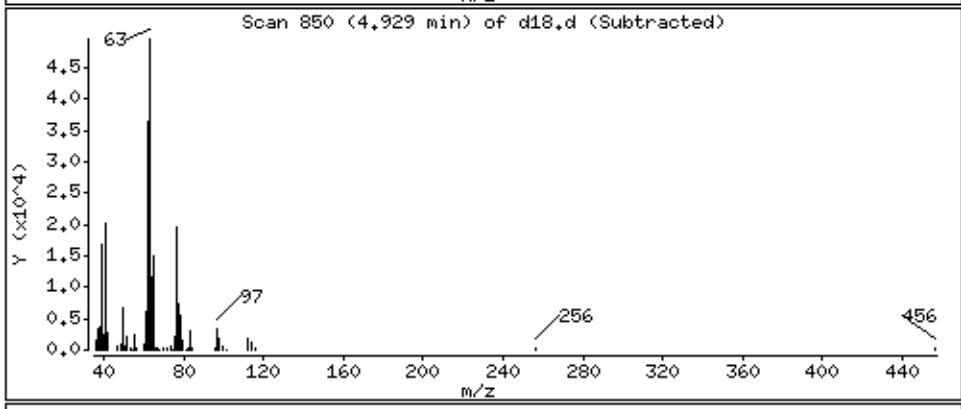
Column diameter: 0.18

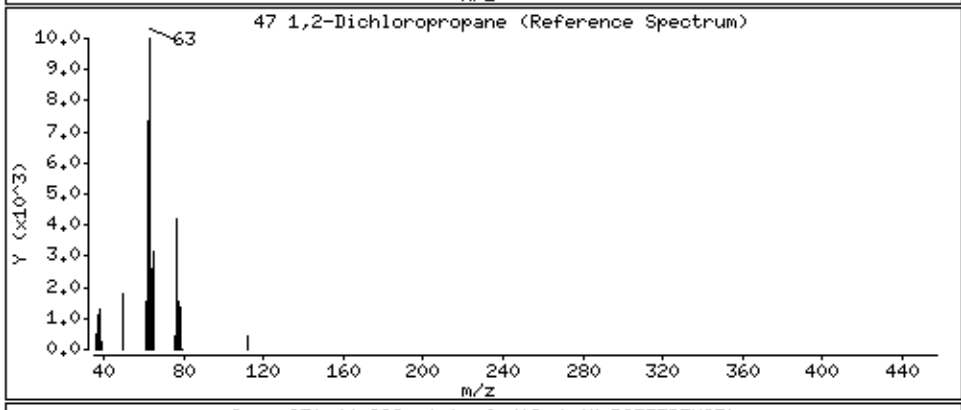
47 1,2-Dichloropropane

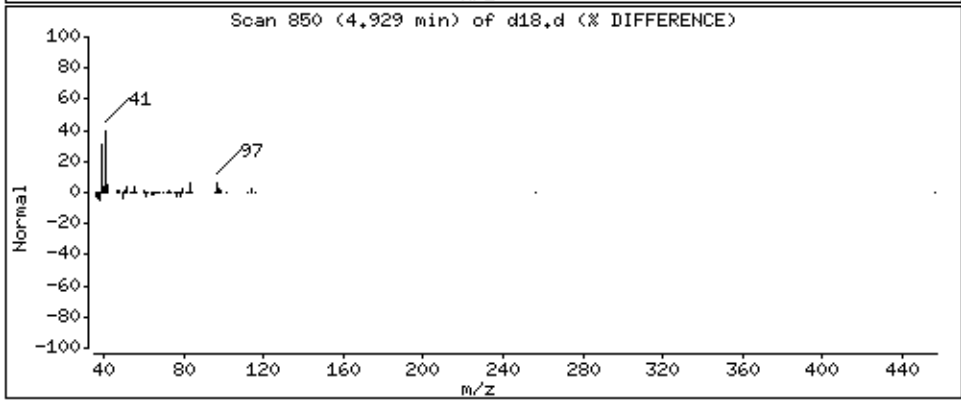
Concentration: 47.8 ppb

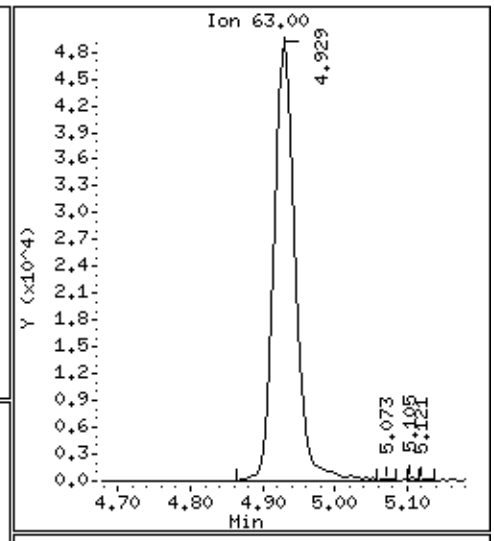
Review Code:

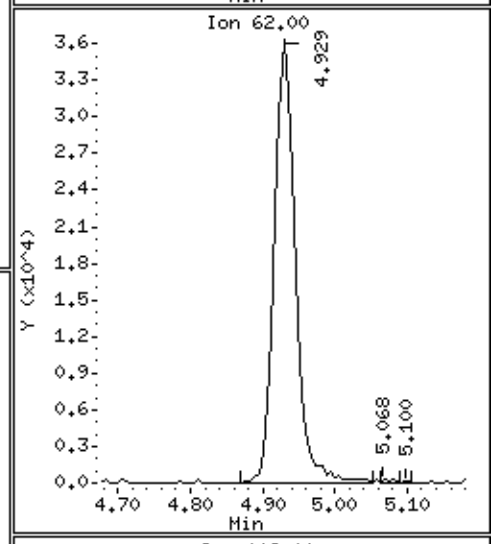


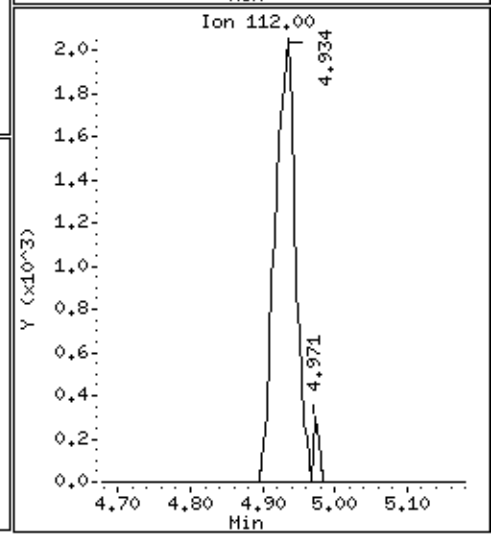












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

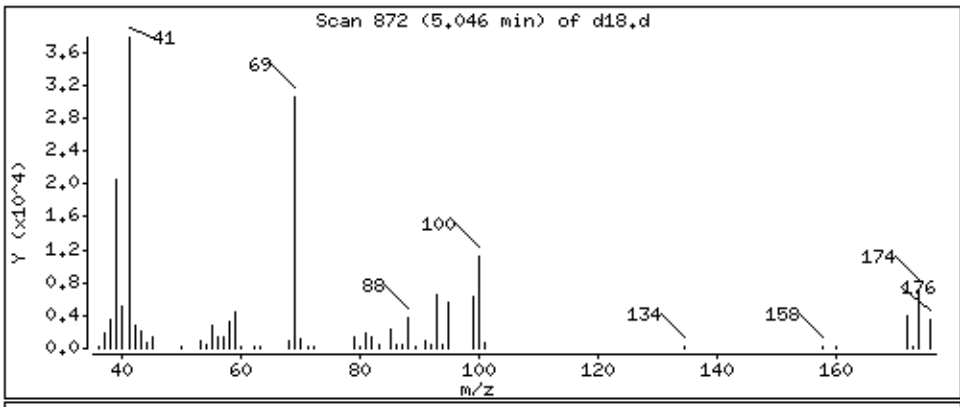
Column phase: DB-624

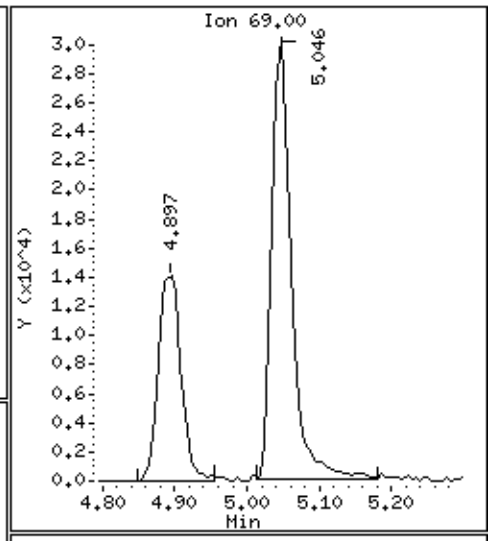
Column diameter: 0.18

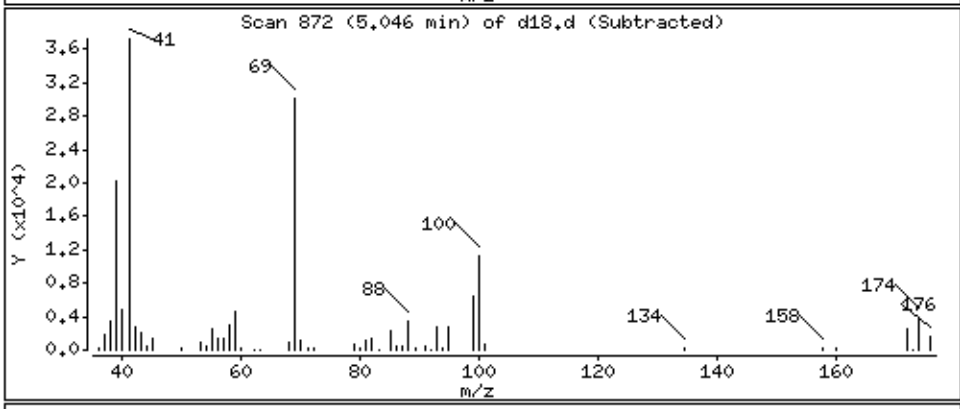
48 Methyl methacrylate

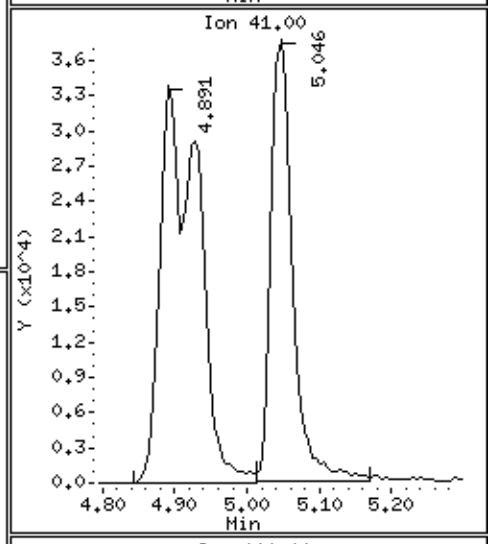
Concentration: 64.8 ppb

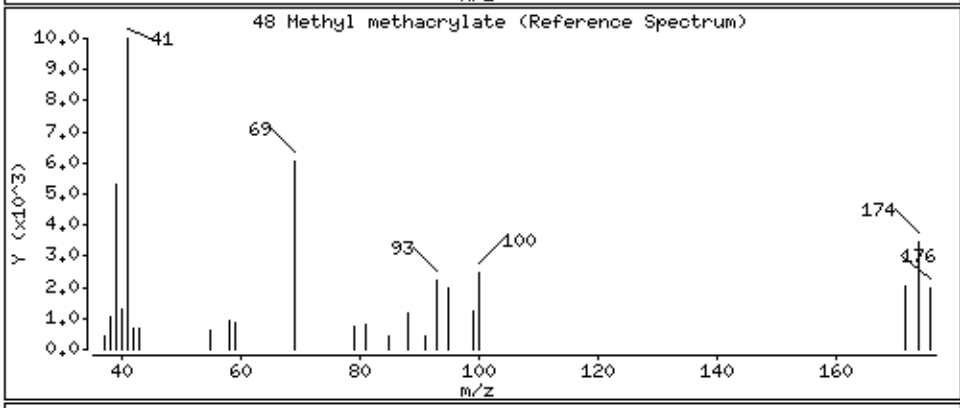
Review Code:

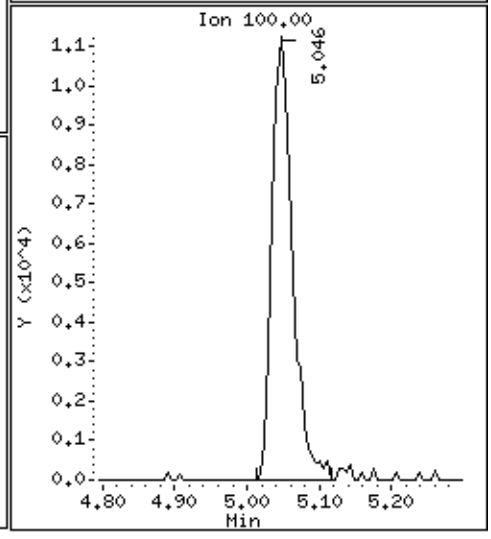


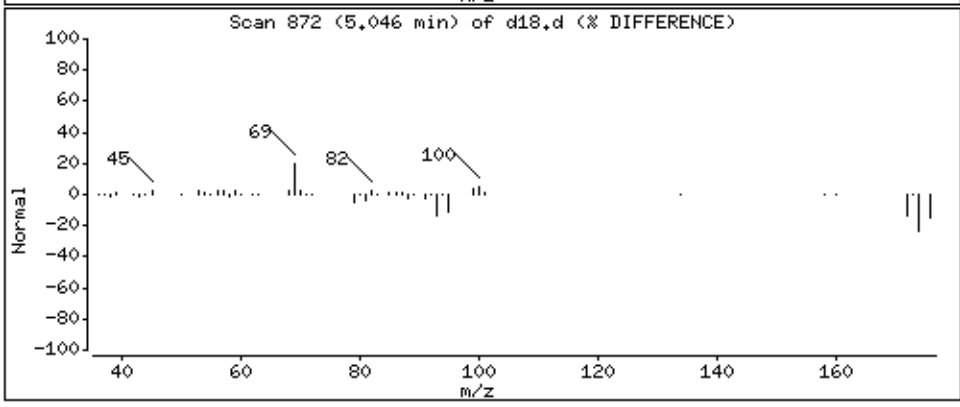












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

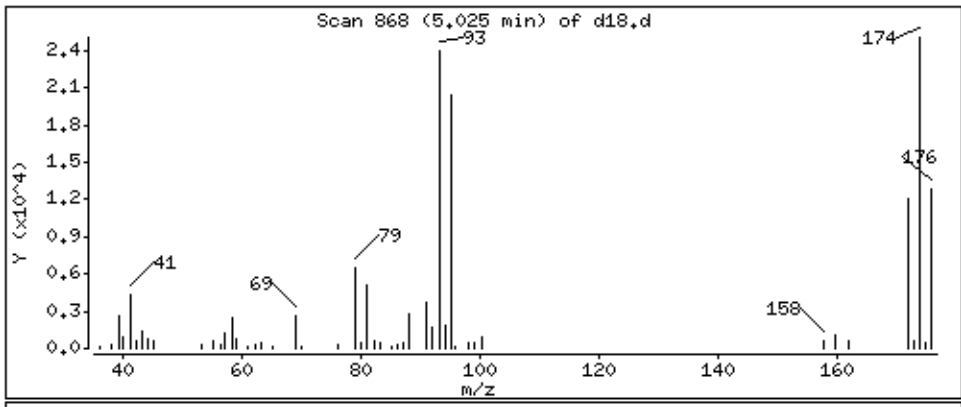
Column phase: DB-624

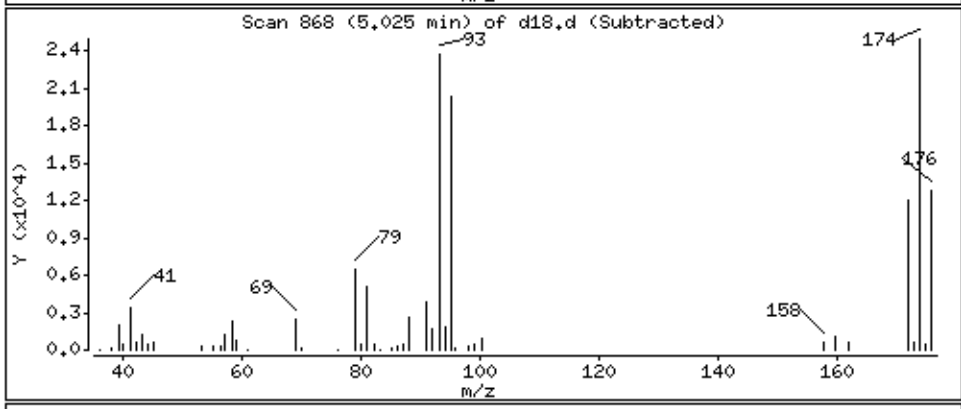
Column diameter: 0.18

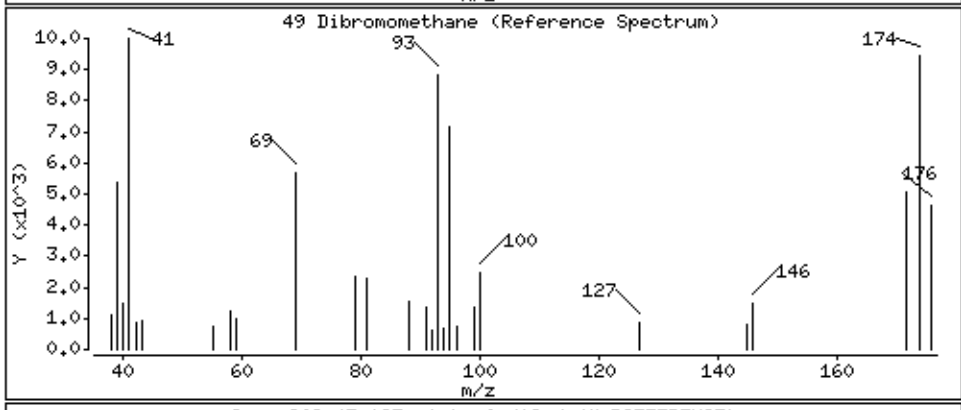
49 Dibromomethane

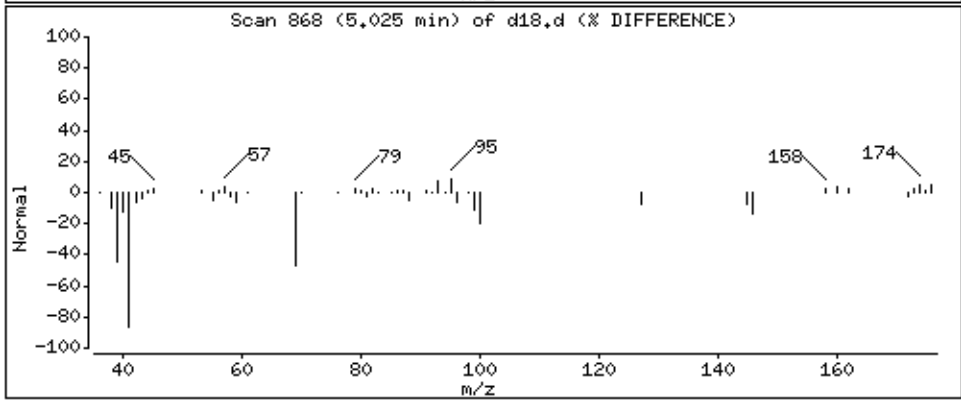
Concentration: 48.4 ppb

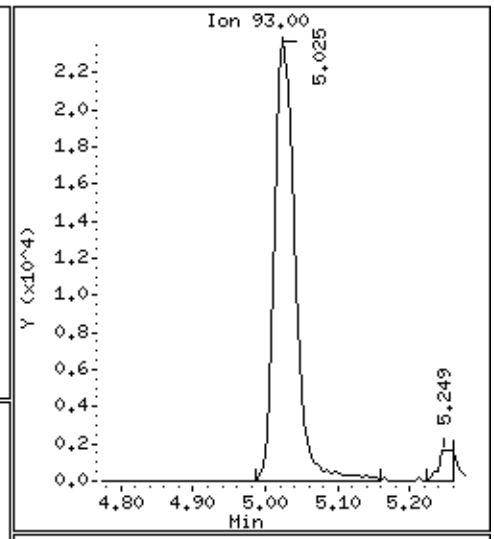
Review Code:

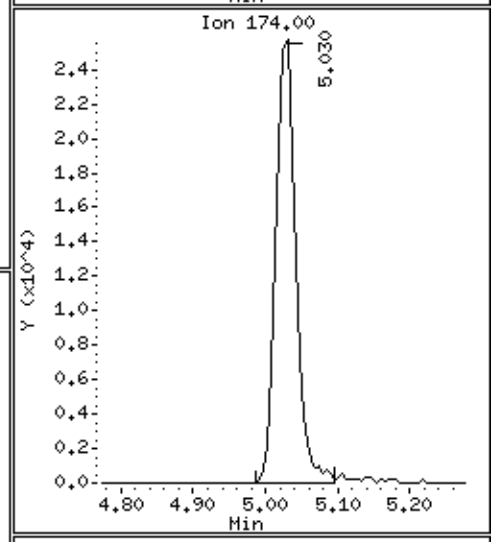


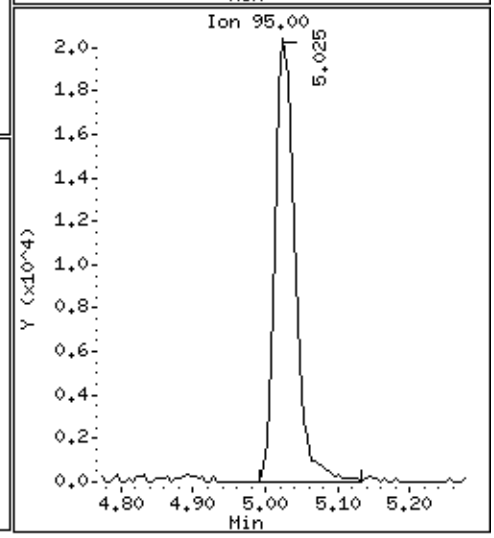












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

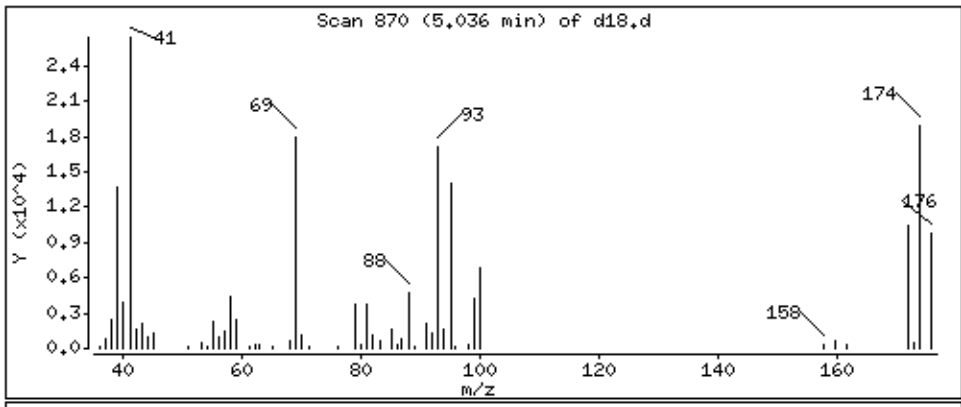
Column phase: DB-624

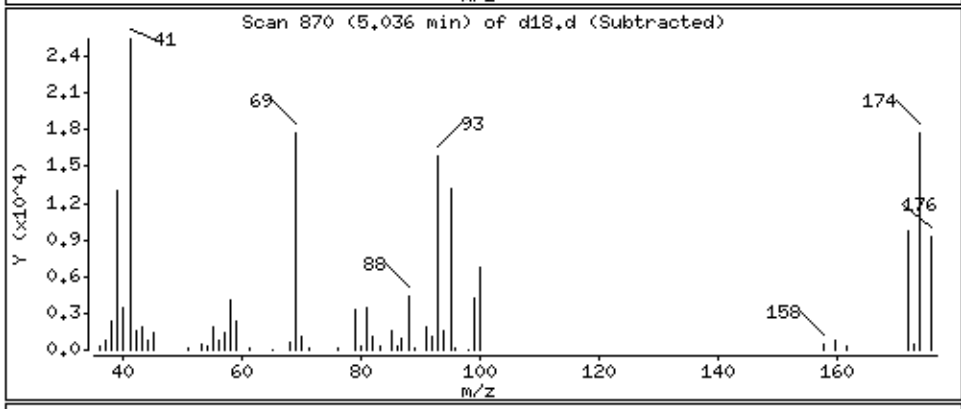
Column diameter: 0.18

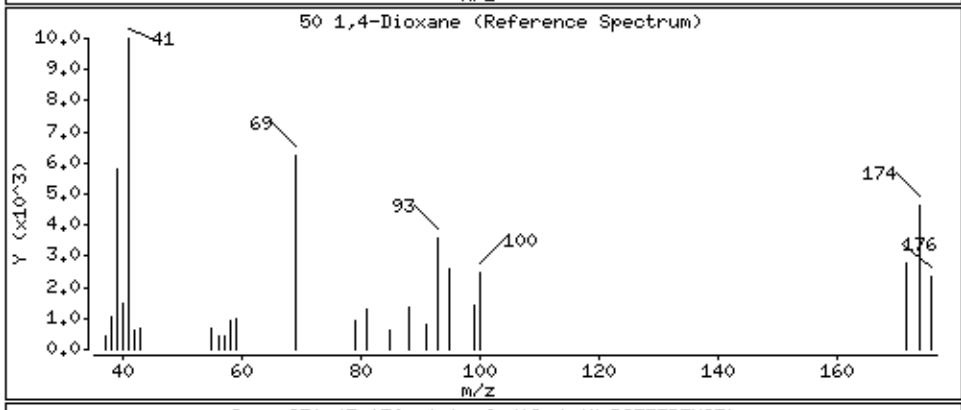
50 1,4-Dioxane

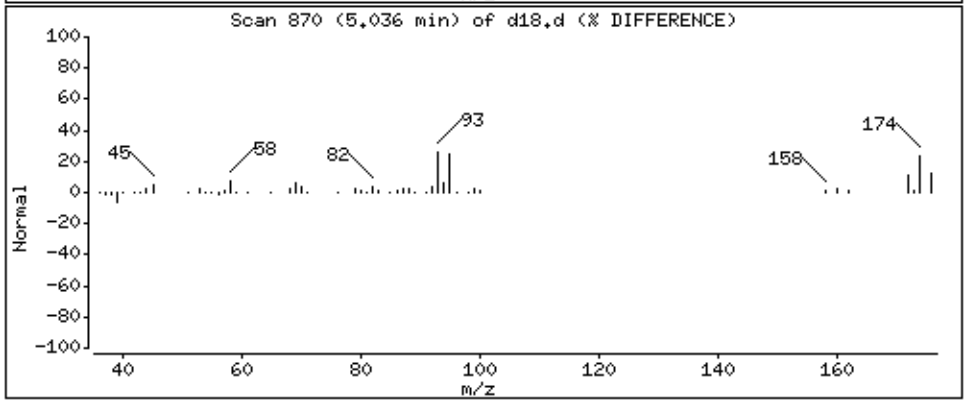
Concentration: 1130 ppb

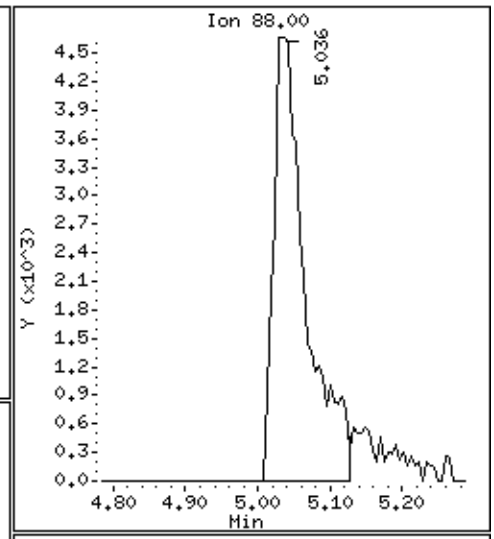
Review Code:

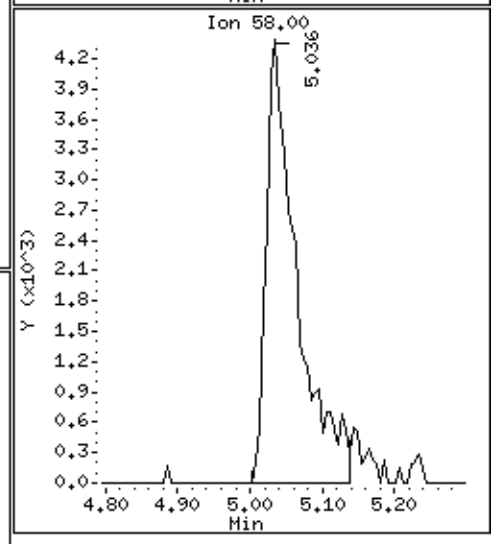












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

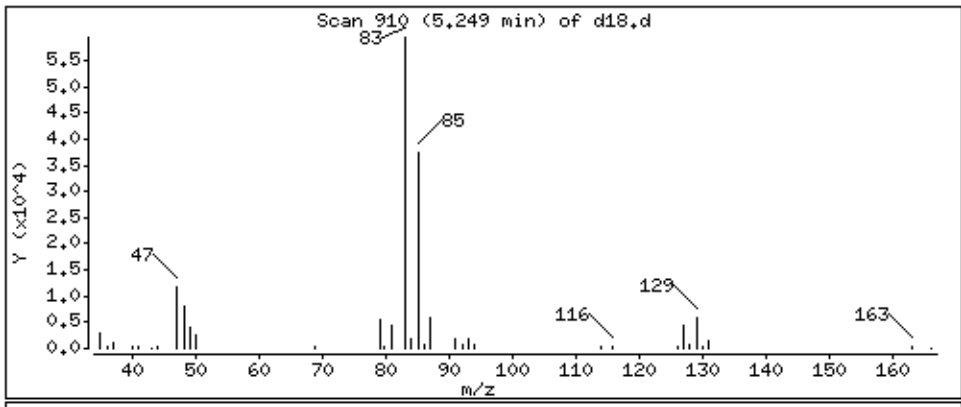
Column phase: DB-624

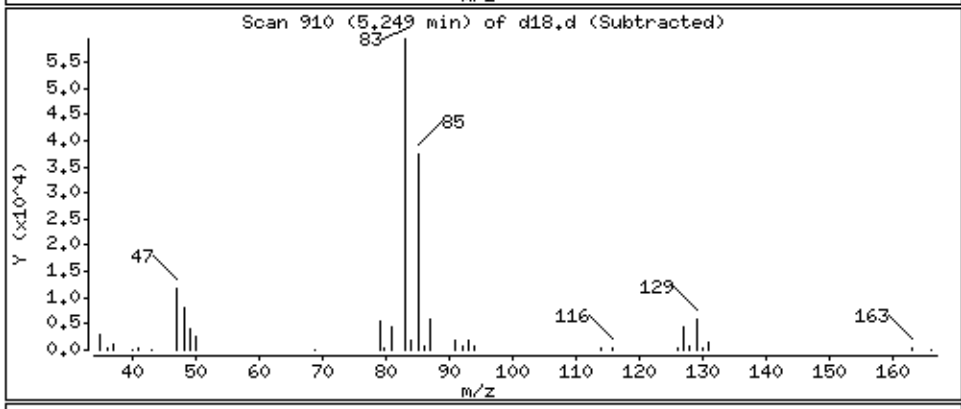
Column diameter: 0.18

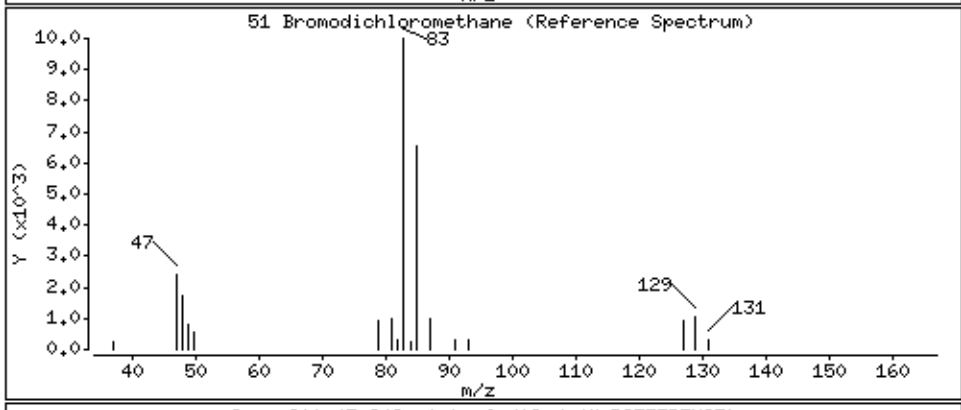
51 Bromodichloromethane

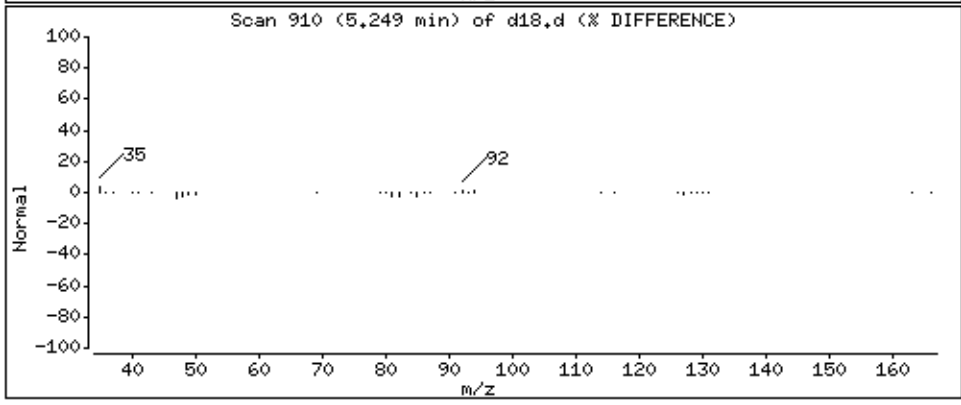
Concentration: 47.4 ppb

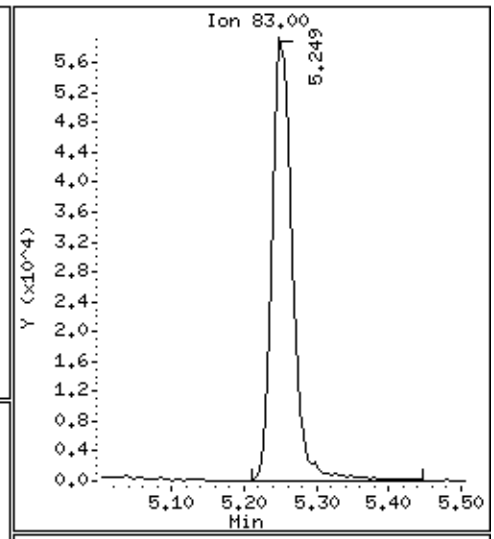
Review Code:

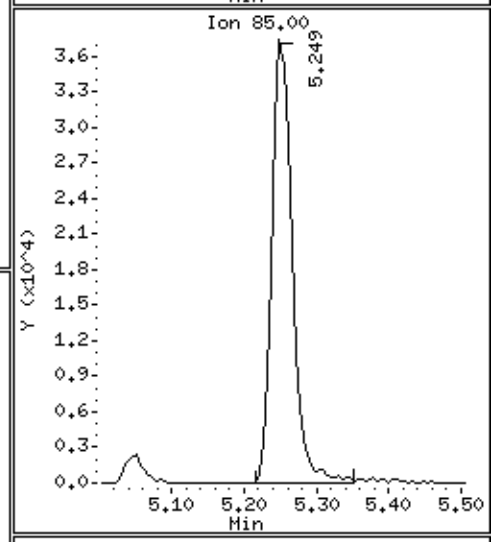


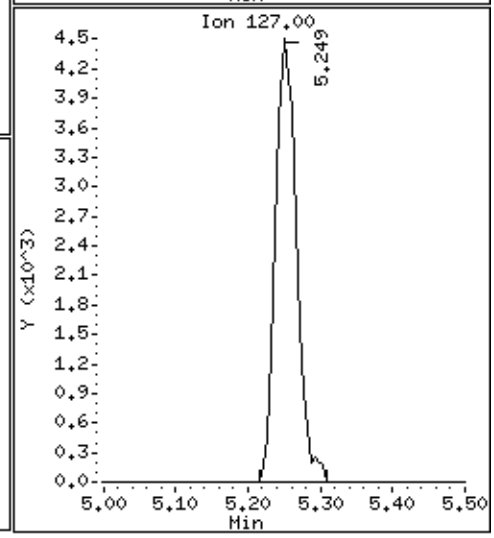












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

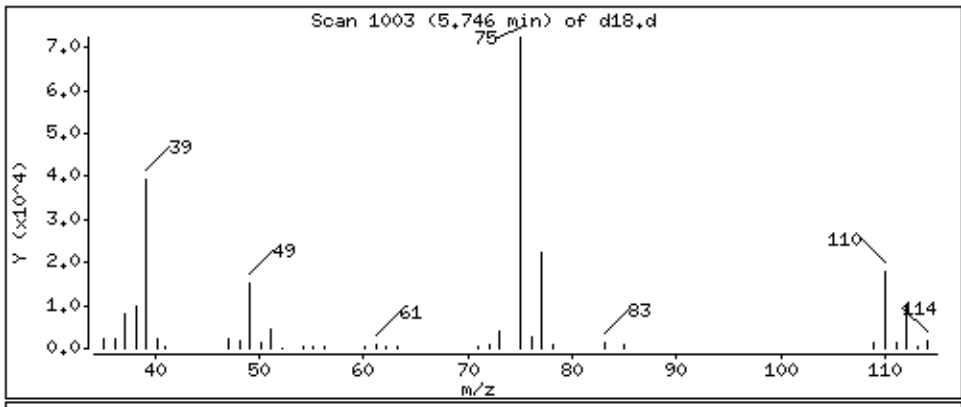
Column phase: DB-624

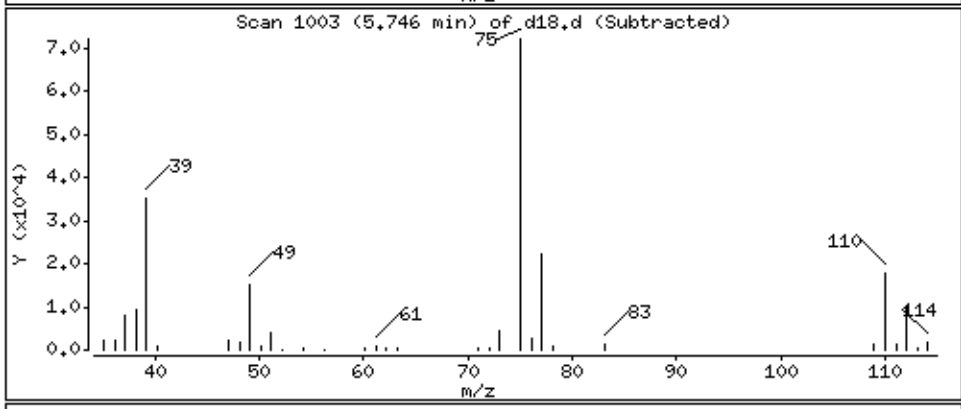
Column diameter: 0.18

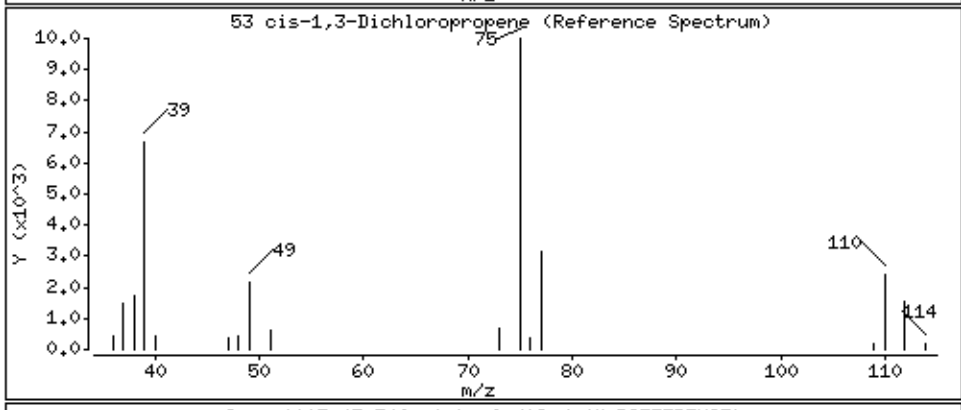
53 cis-1,3-Dichloropropene

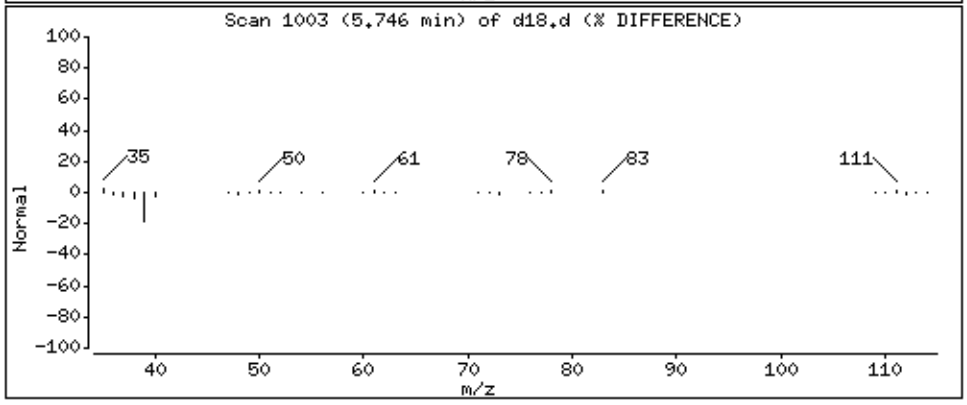
Concentration: 40.5 ppb

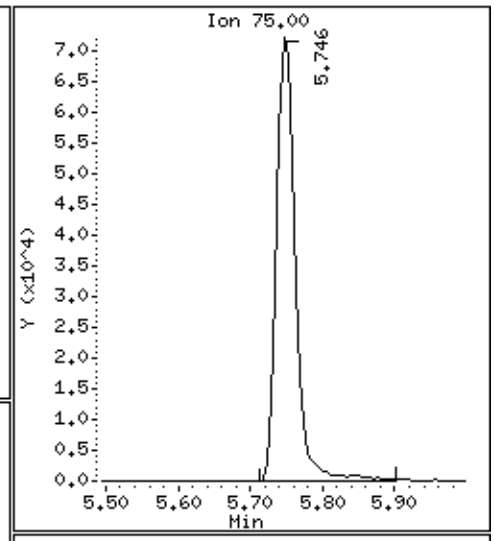
Review Code:

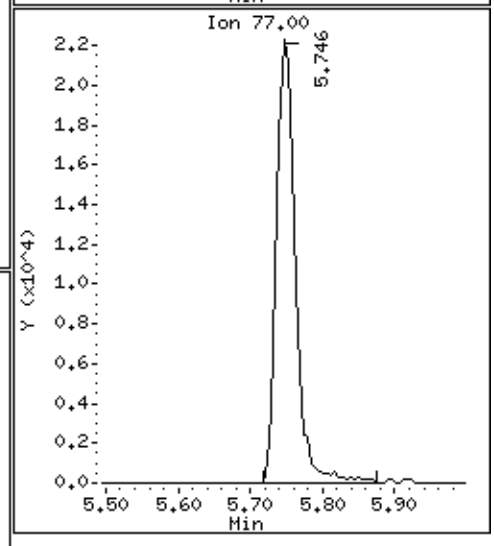












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

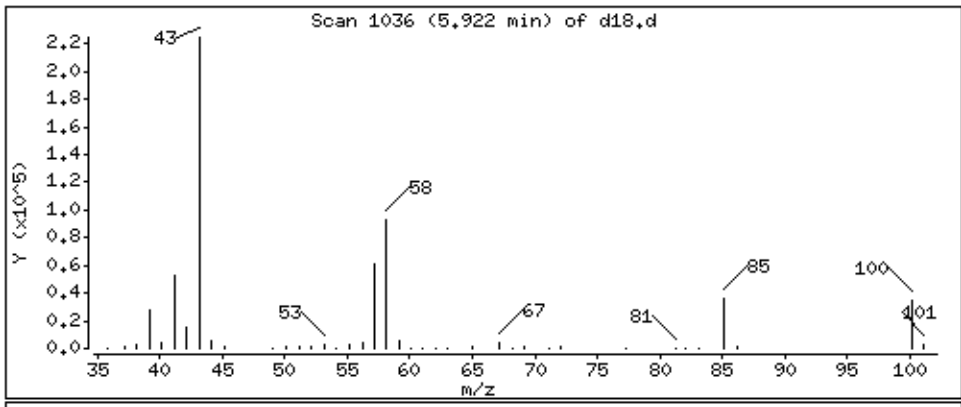
Column phase: DB-624

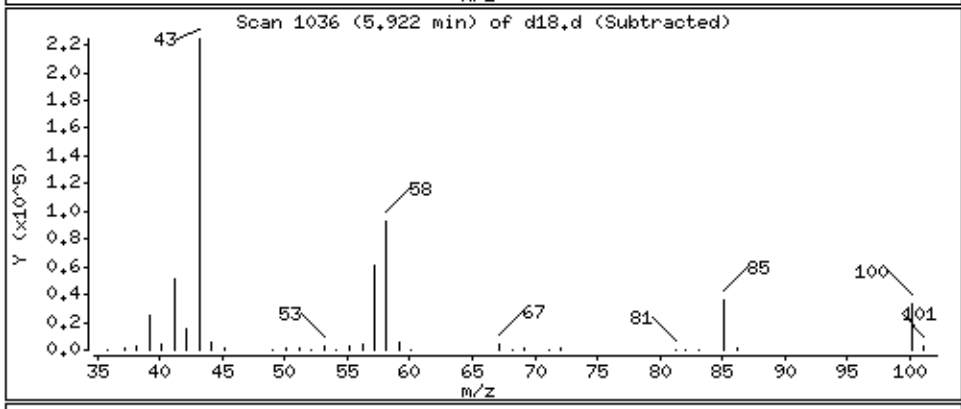
Column diameter: 0.18

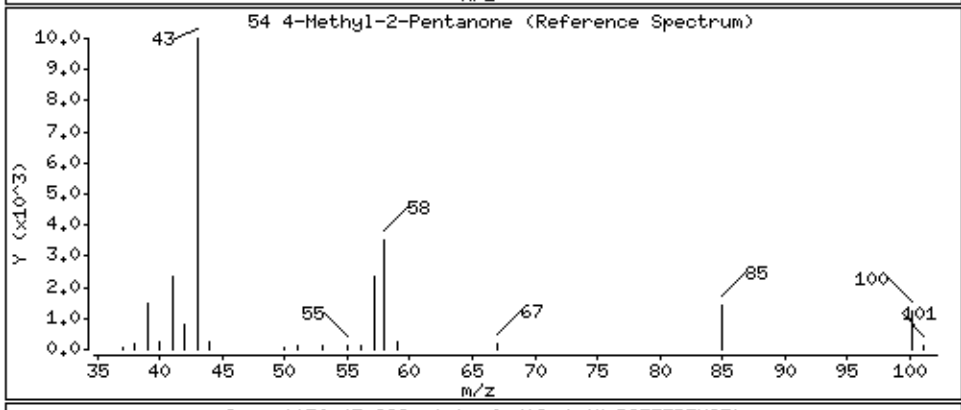
54 4-Methyl-2-Pentanone

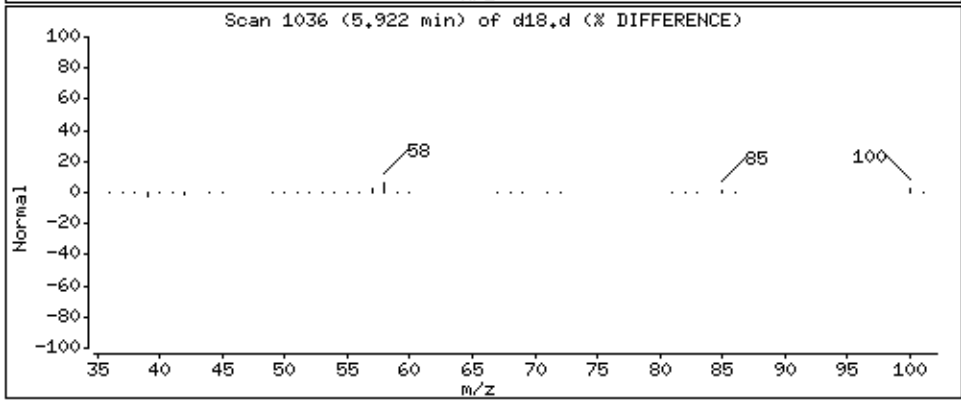
Concentration: 287 ppb

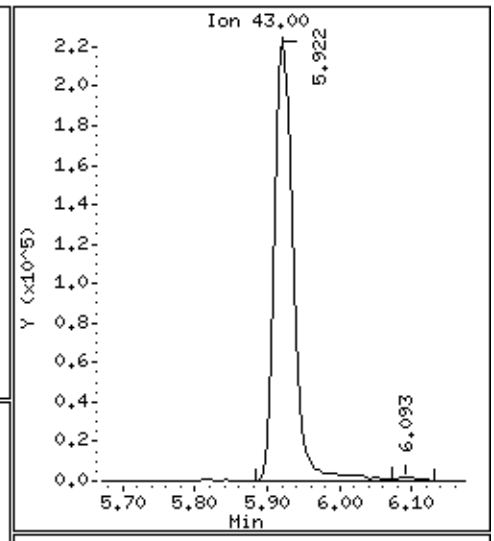
Review Code:

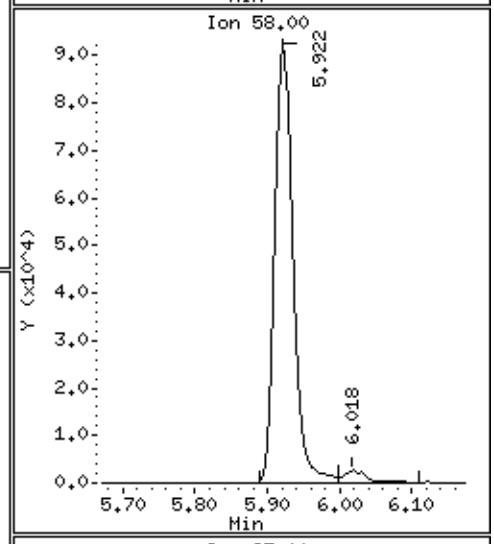


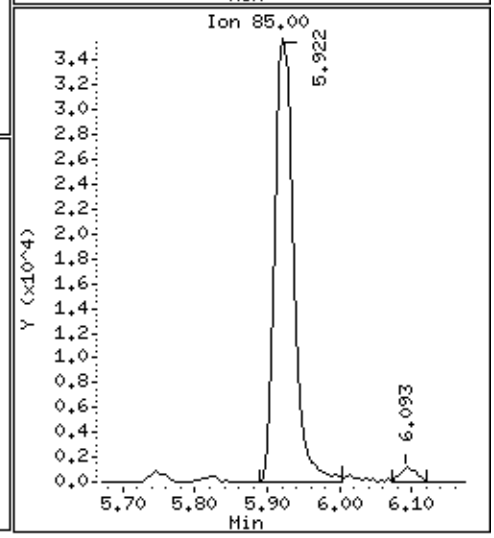












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

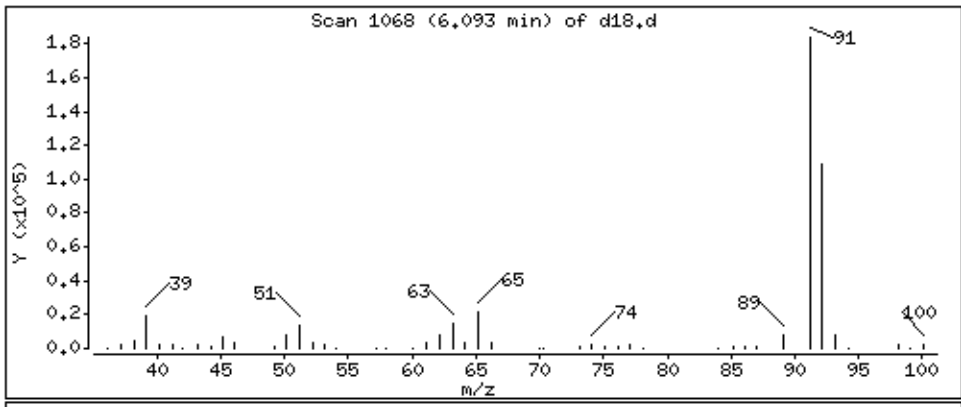
Column phase: DB-624

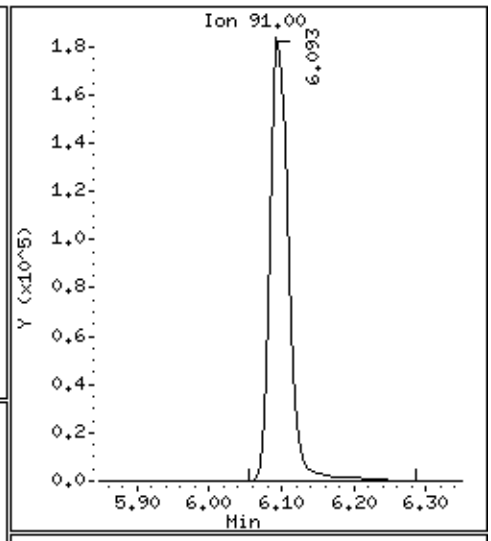
Column diameter: 0.18

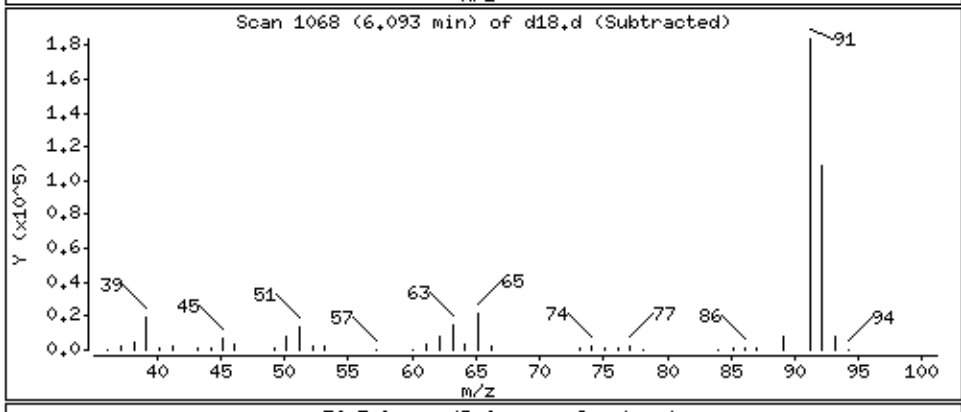
56 Toluene

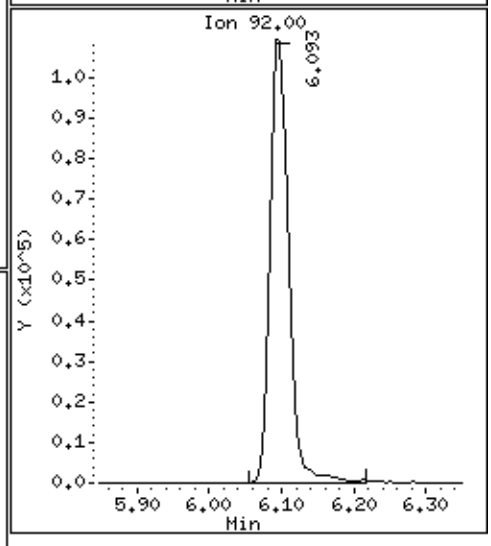
Concentration: 29.3 ppb

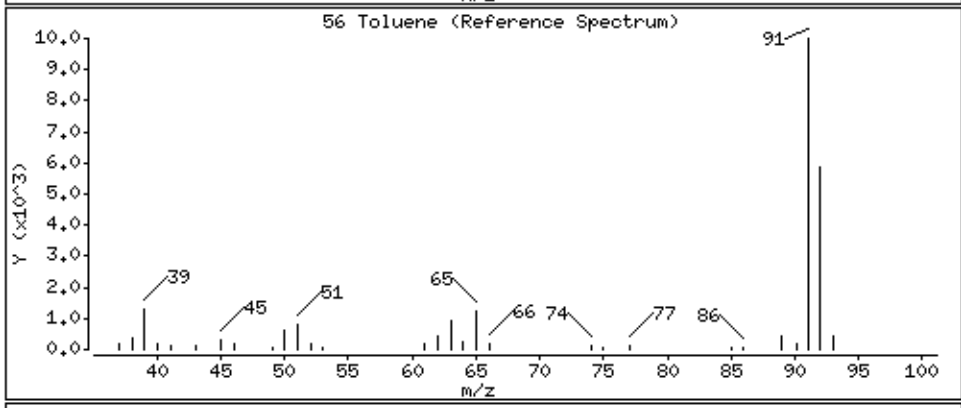
Review Code:

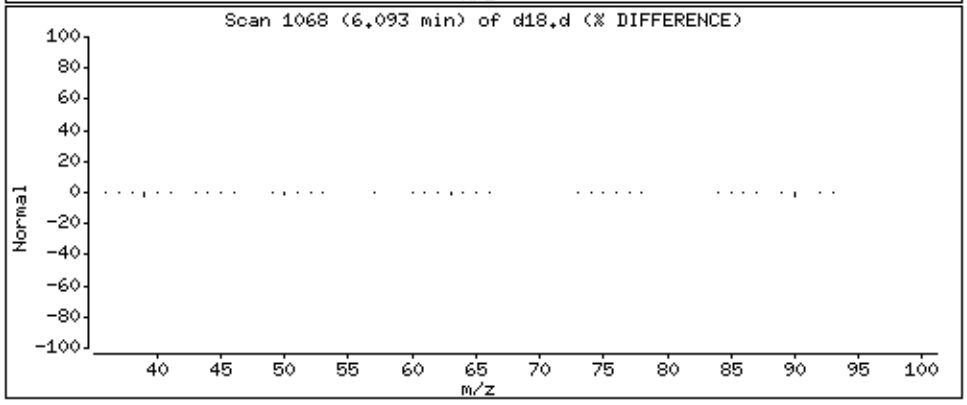












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

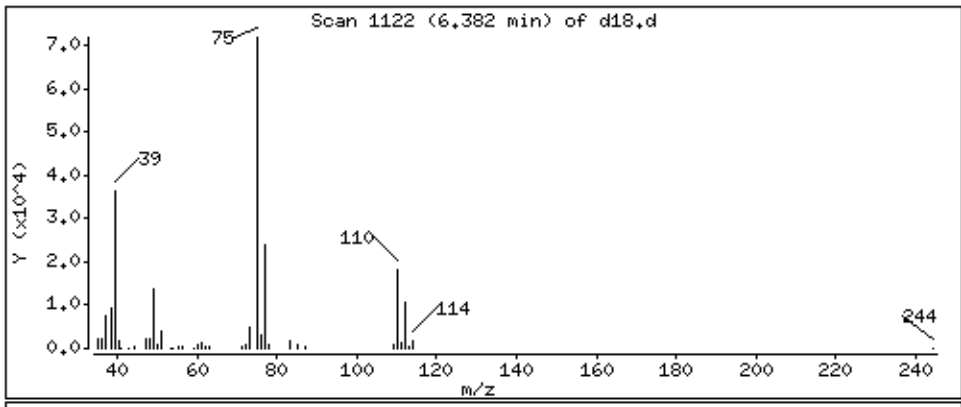
Column phase: DB-624

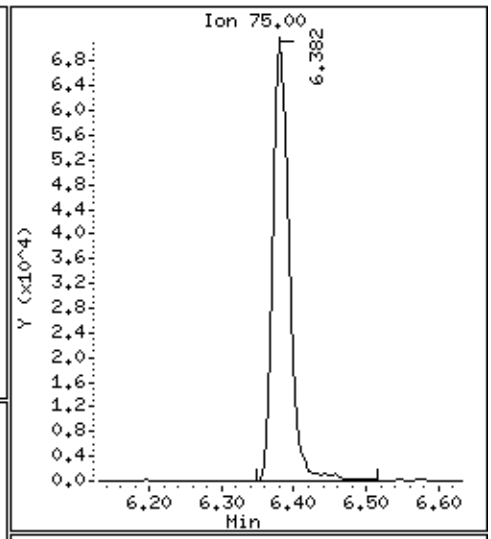
Column diameter: 0.18

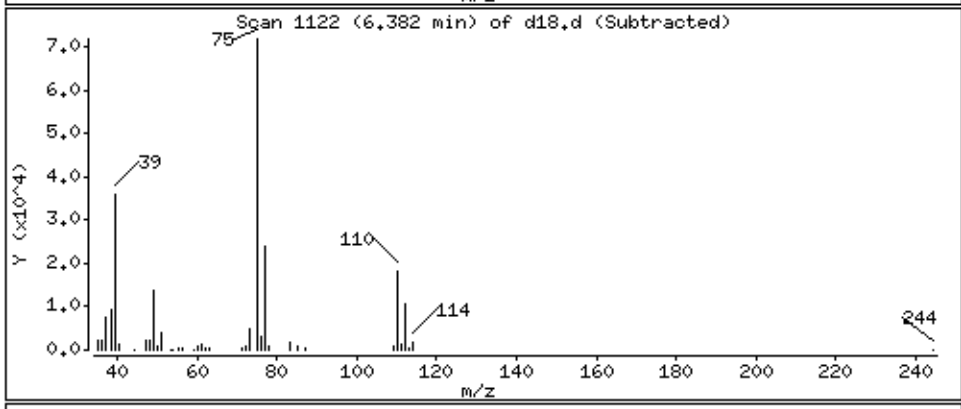
57 trans-1,3-Dichloropropene

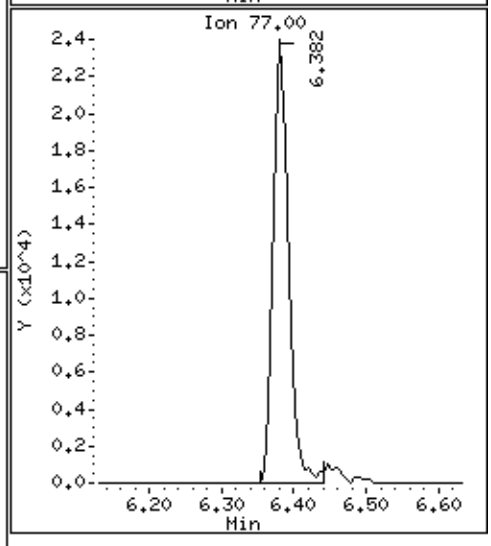
Concentration: 44.0 ppb

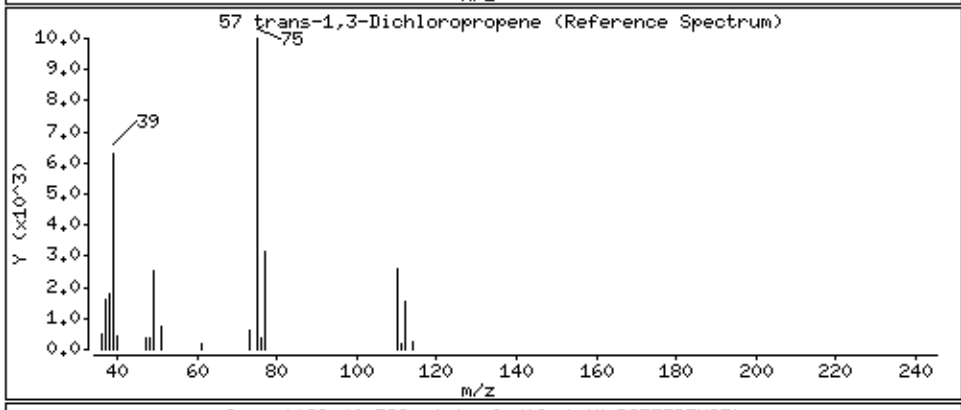
Review Code:

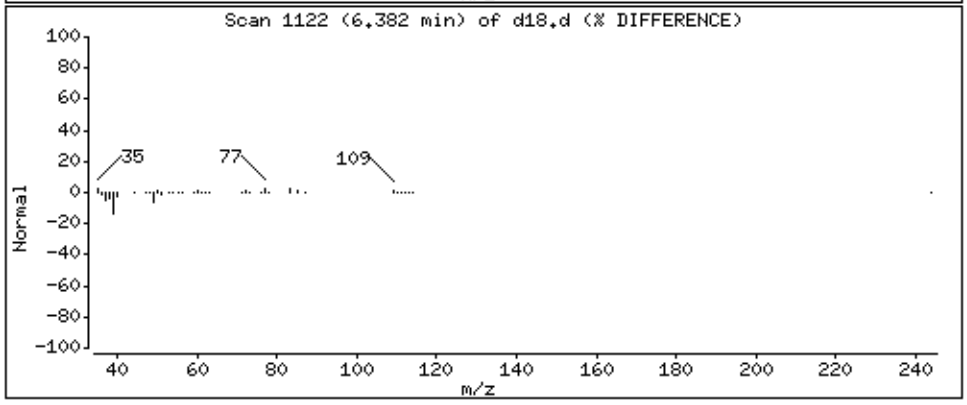












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

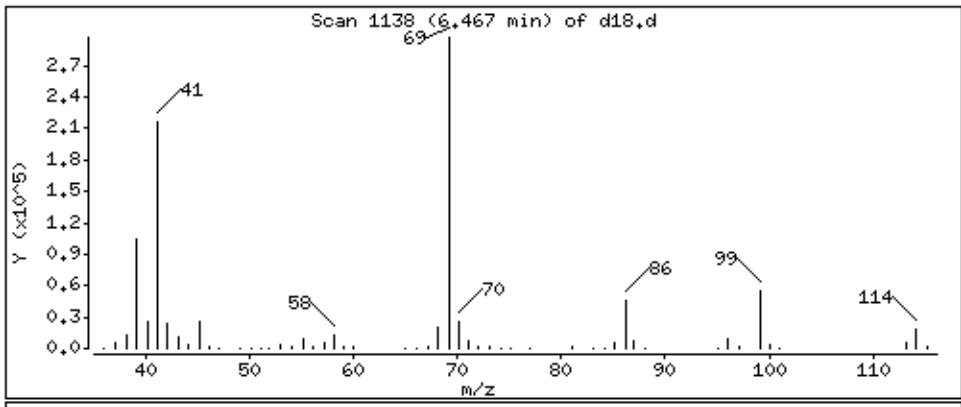
Column phase: DB-624

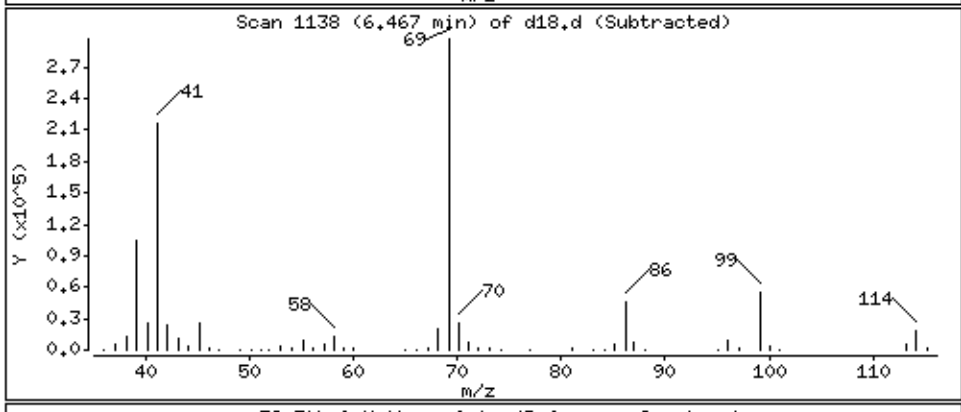
Column diameter: 0.18

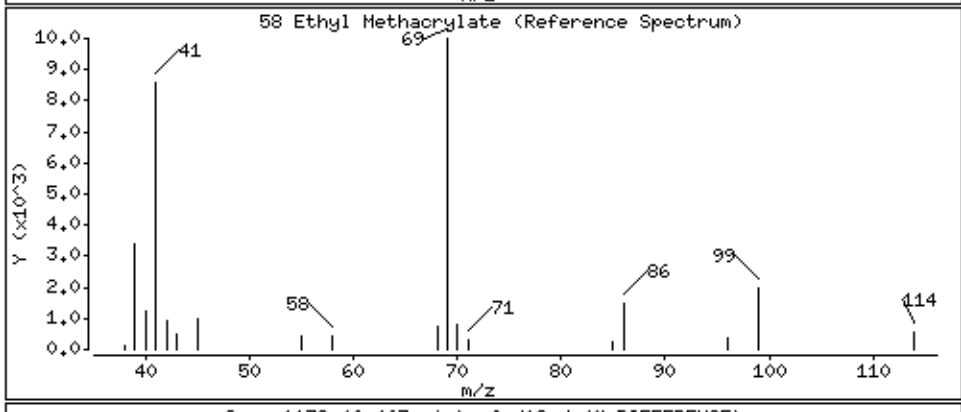
58 Ethyl Methacrylate

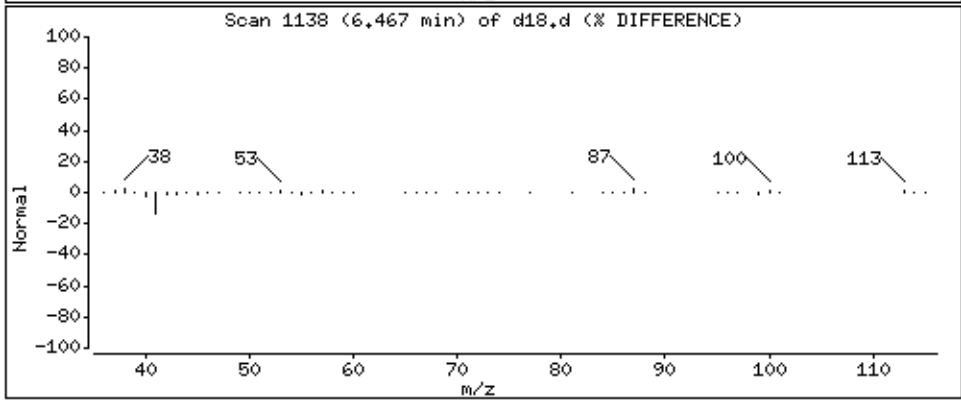
Concentration: 226 ppb

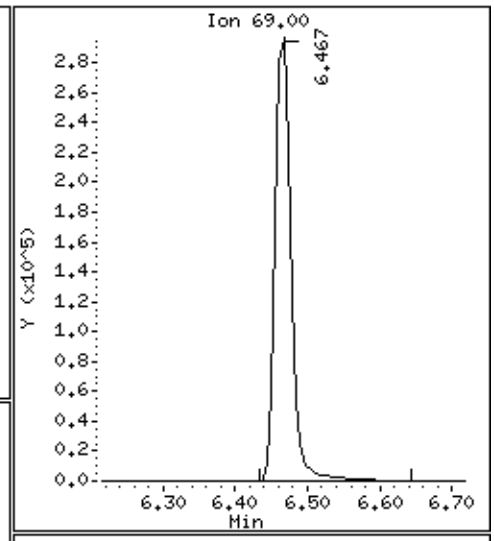
Review Code:

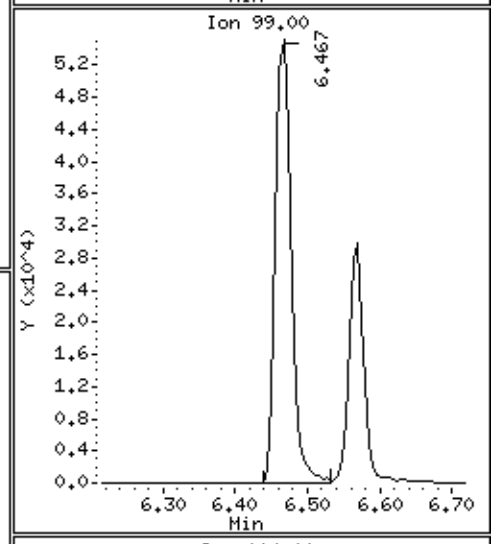


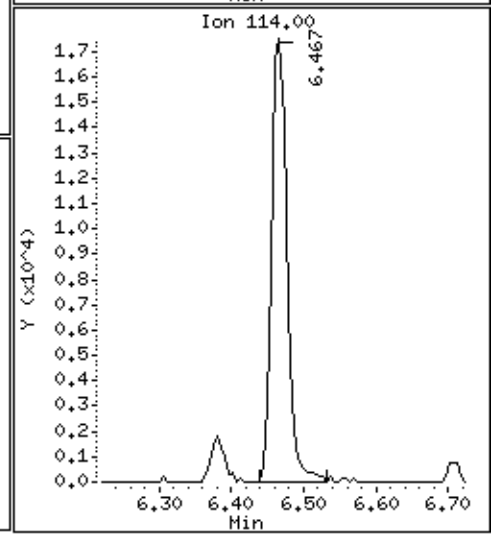












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

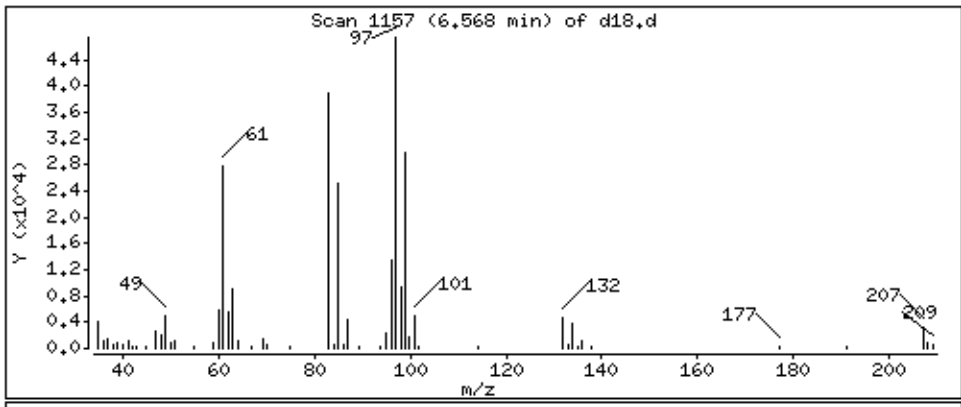
Column phase: DB-624

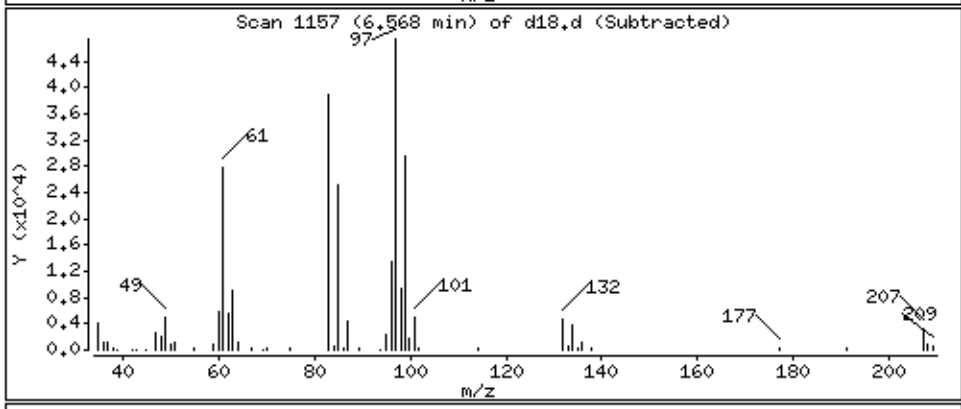
Column diameter: 0.18

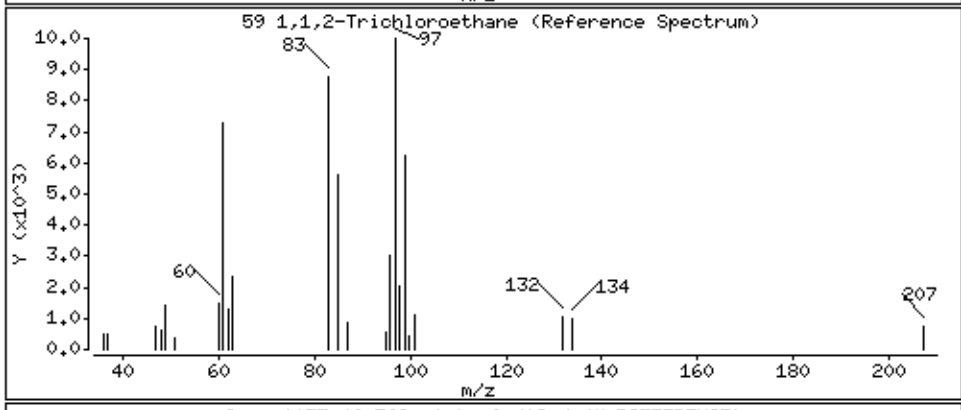
59 1,1,2-Trichloroethane

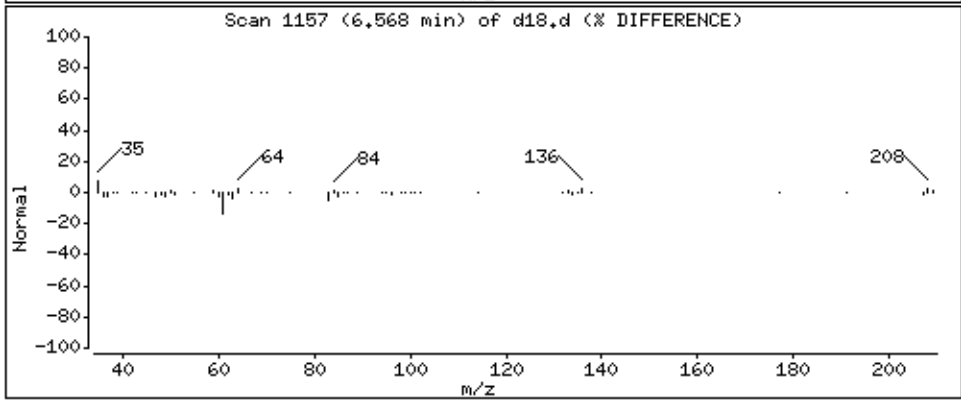
Concentration: 49.8 ppb

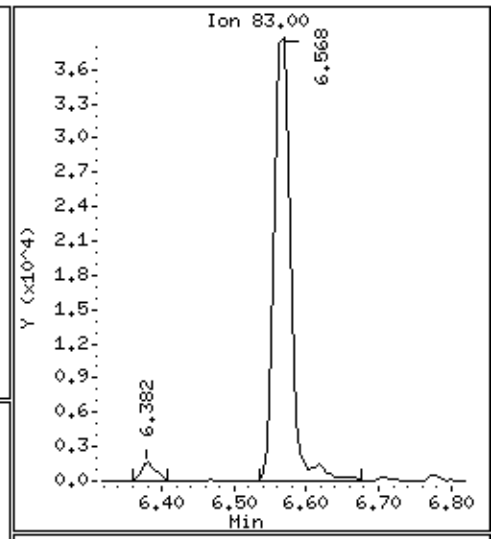
Review Code:

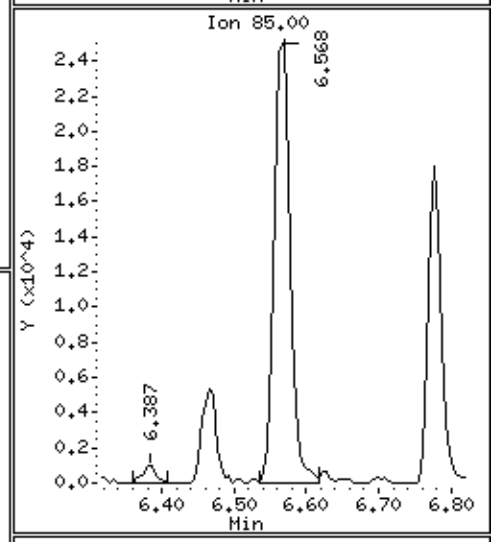


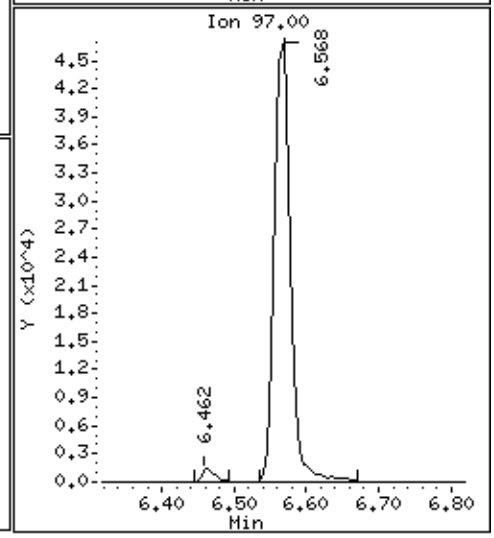












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

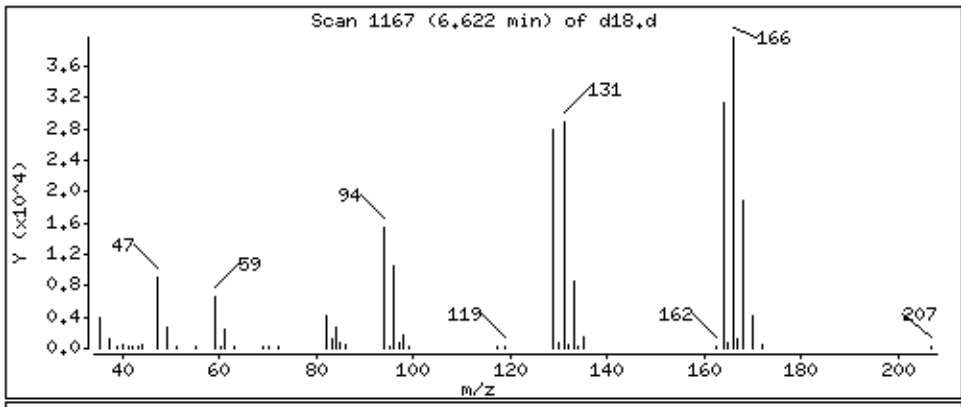
Column phase: DB-624

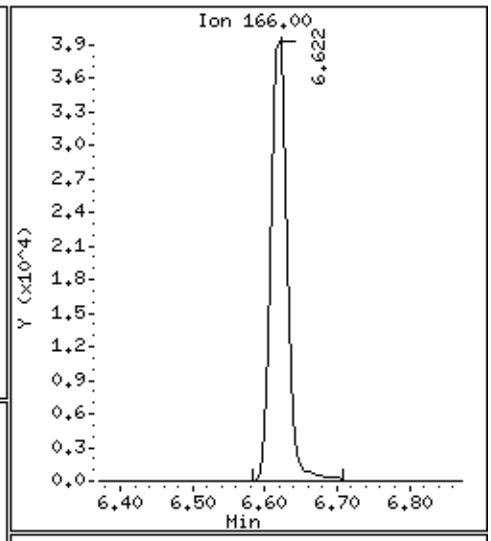
Column diameter: 0.18

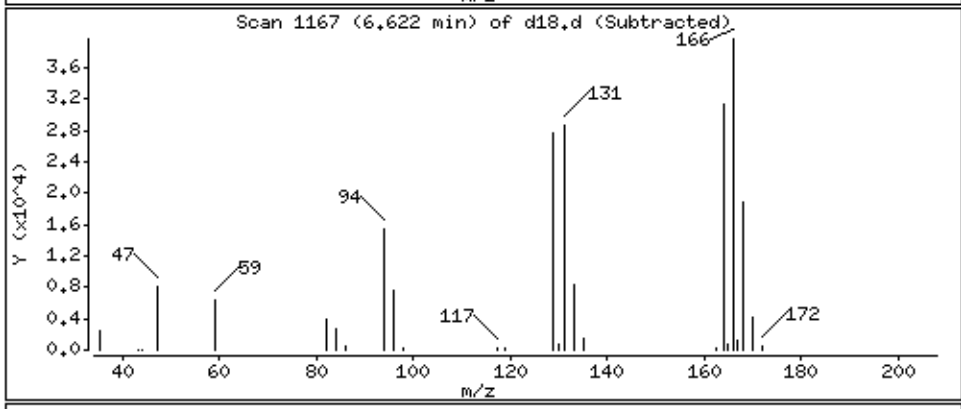
60 Tetrachloroethene

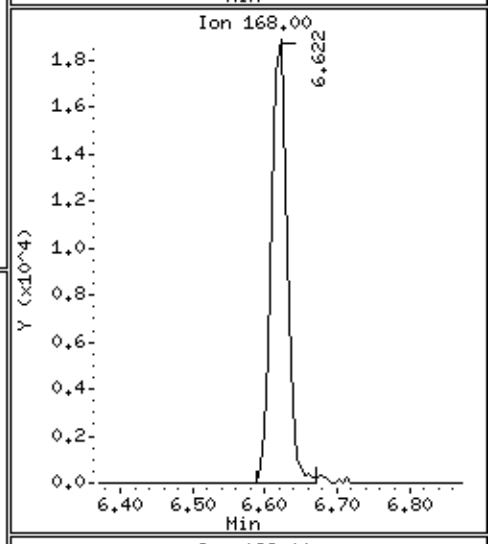
Concentration: 24.2 ppb

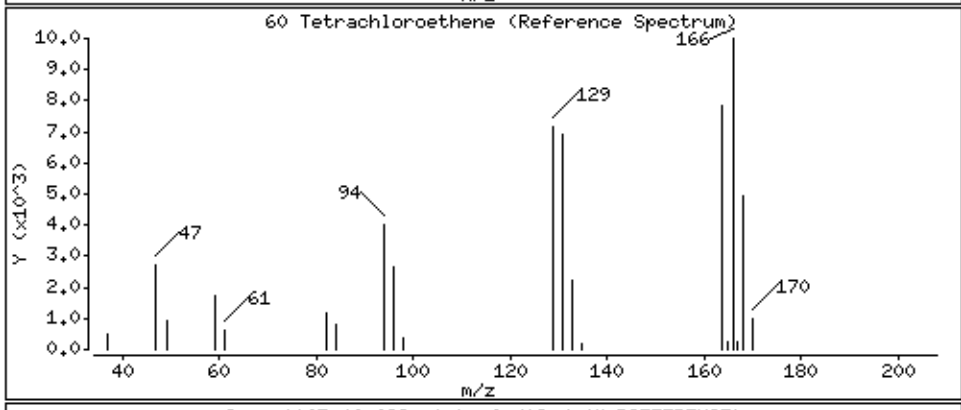
Review Code:

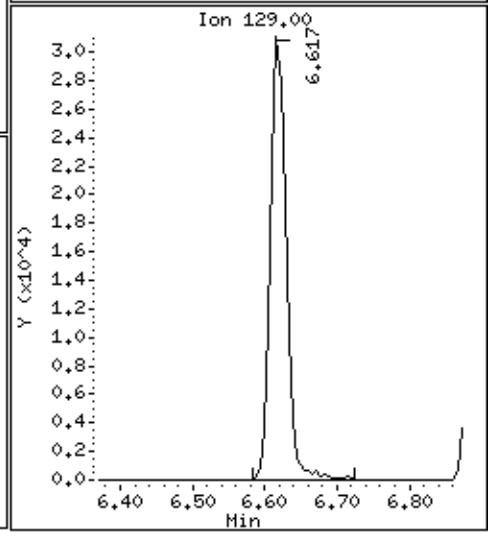


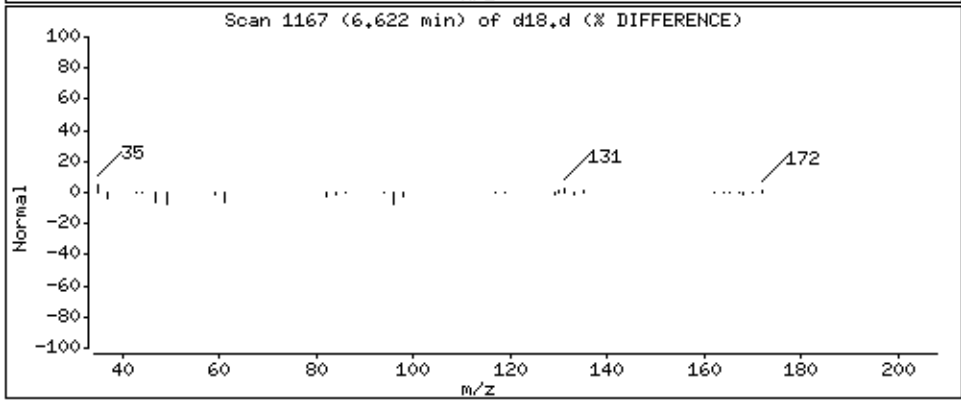












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

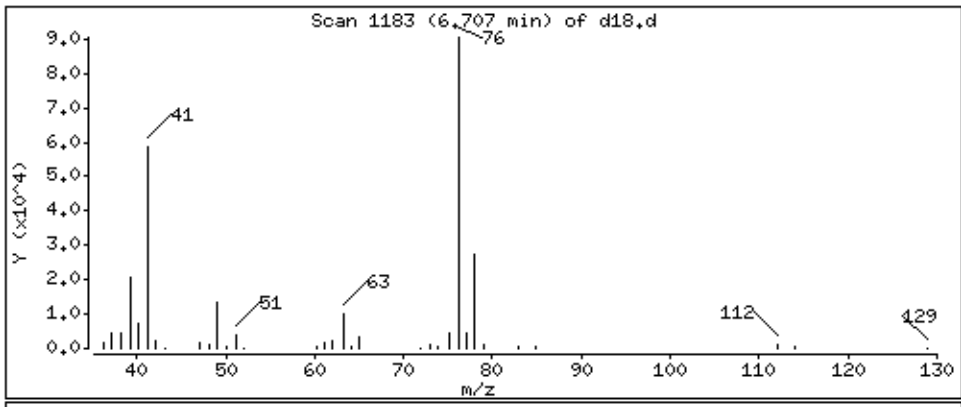
Column phase: DB-624

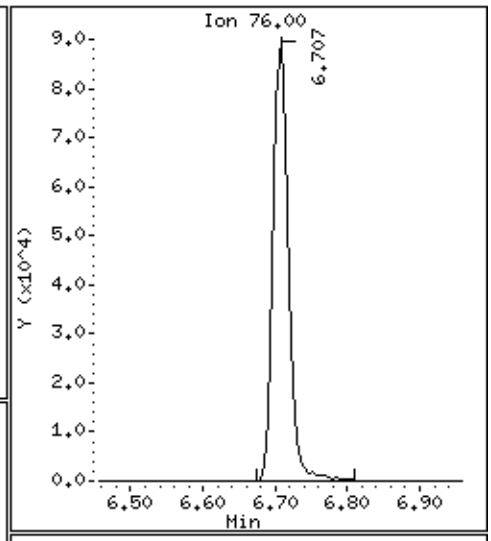
Column diameter: 0.18

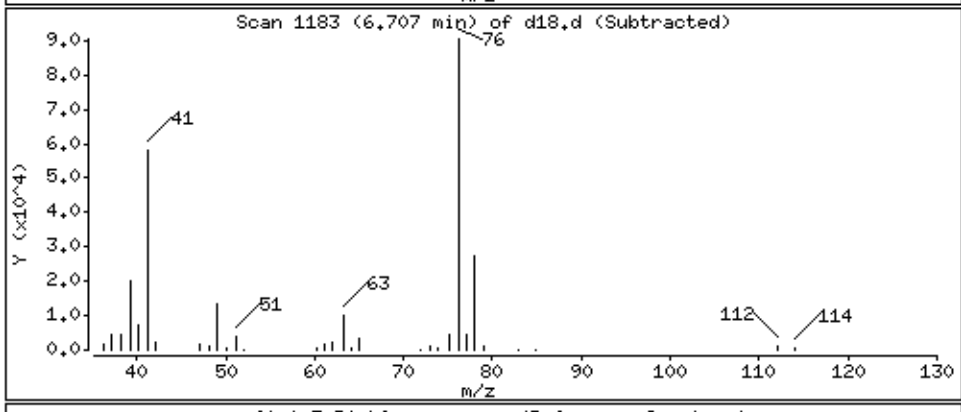
61 1,3-Dichloropropane

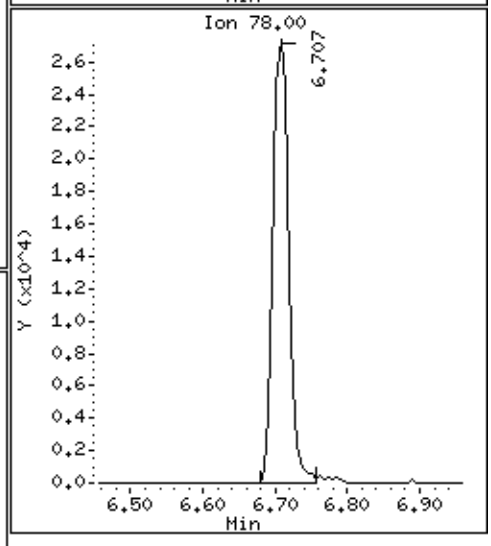
Concentration: 49.2 ppb

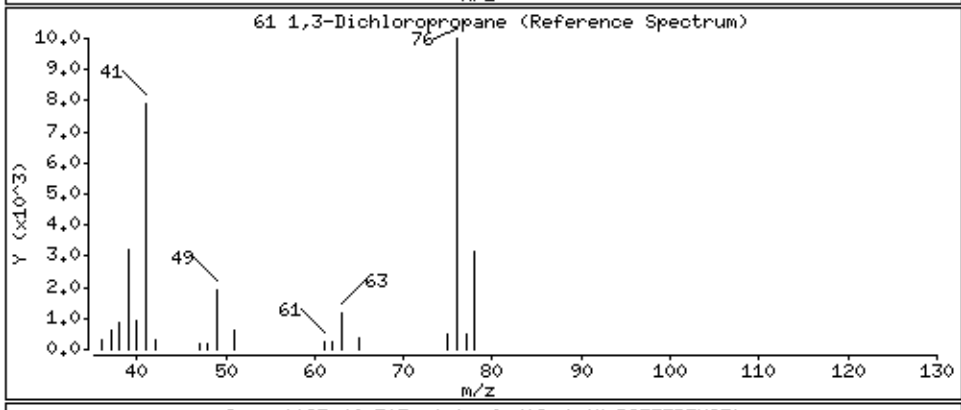
Review Code:

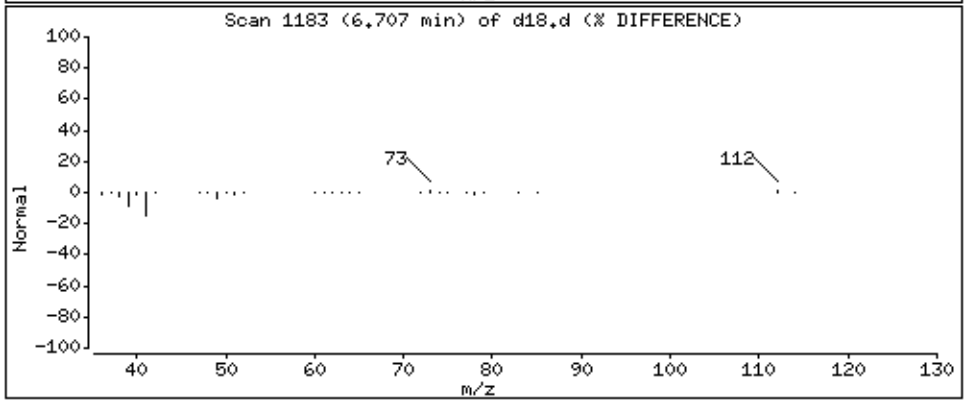












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

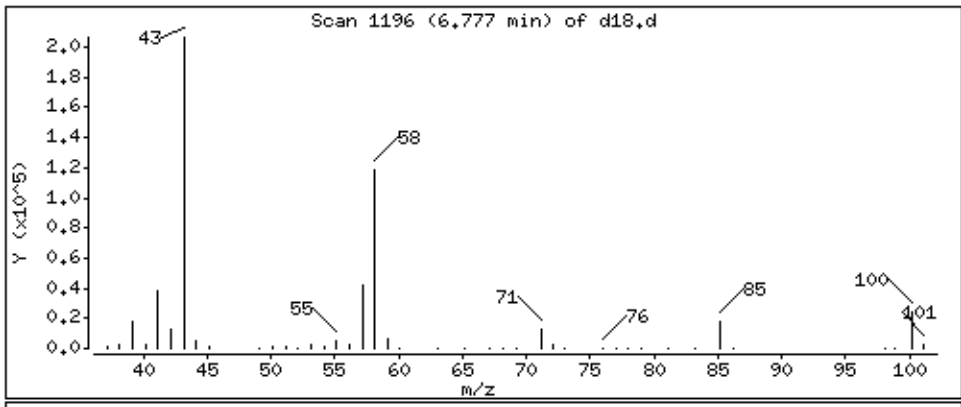
Column phase: DB-624

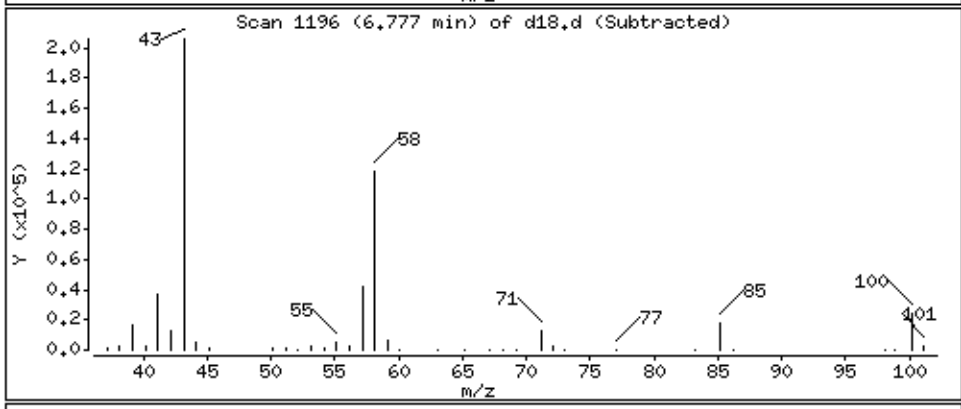
Column diameter: 0.18

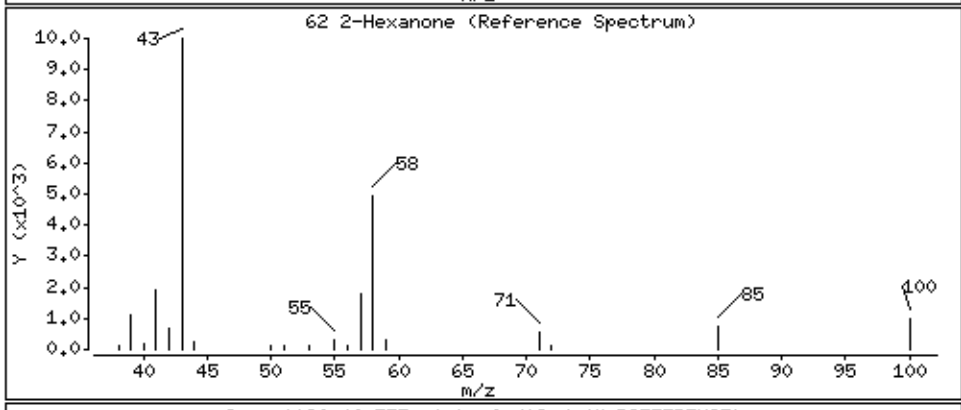
62 2-Hexanone

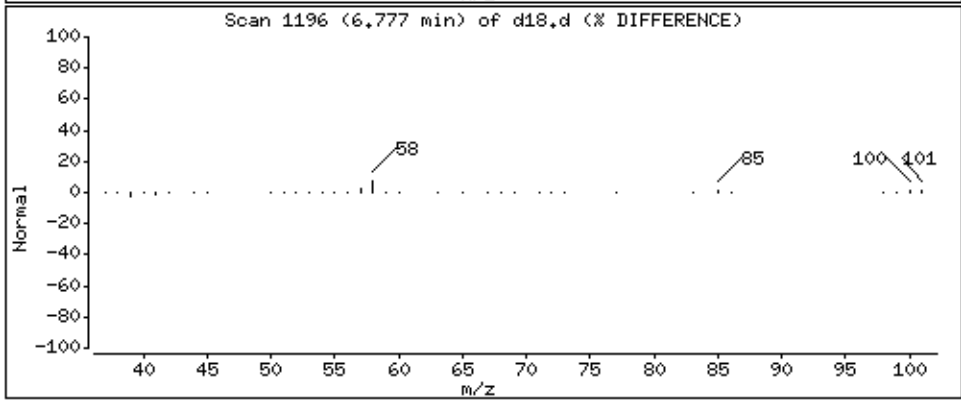
Concentration: 307 ppb

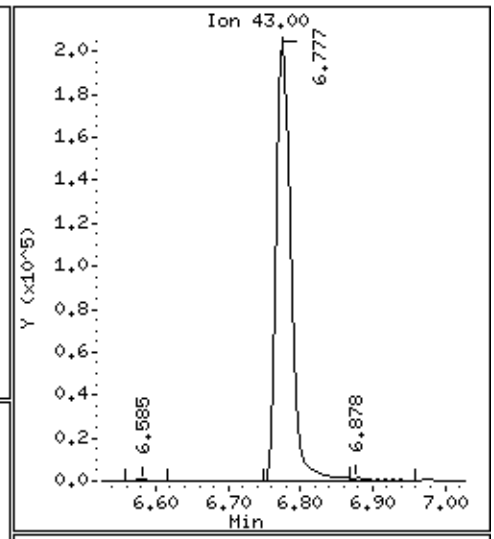
Review Code:

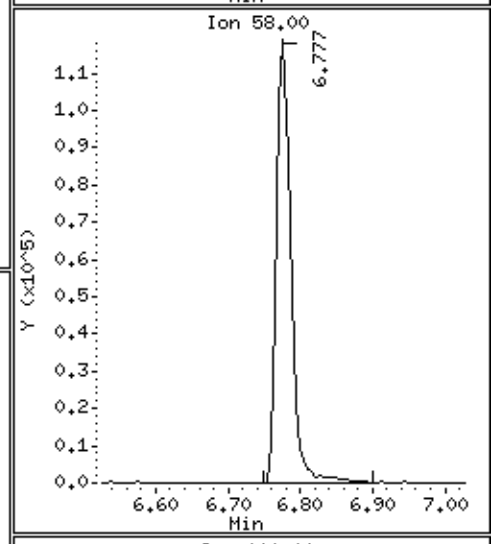


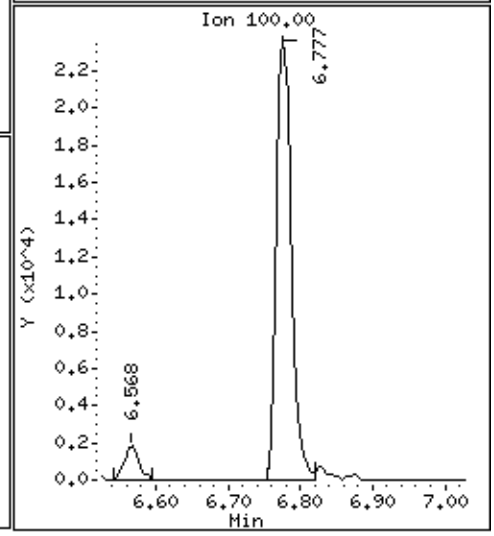












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

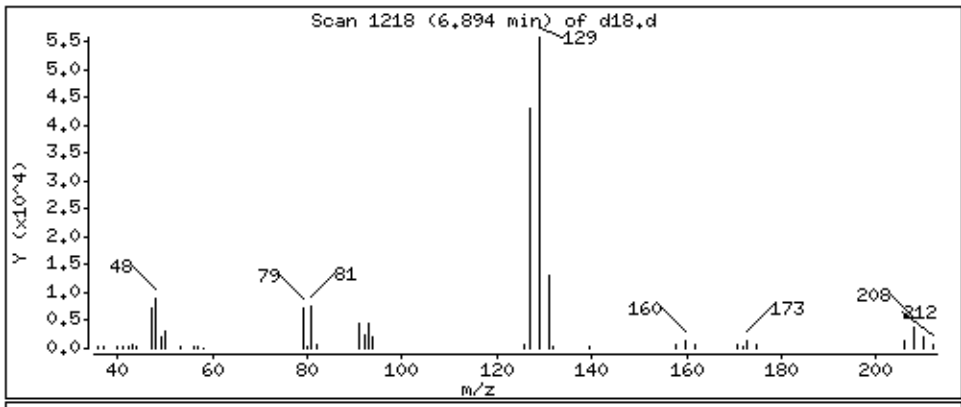
Column phase: DB-624

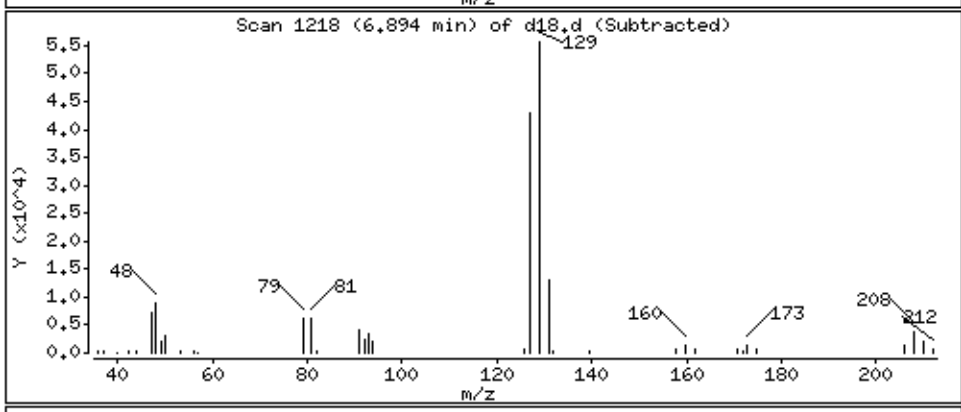
Column diameter: 0.18

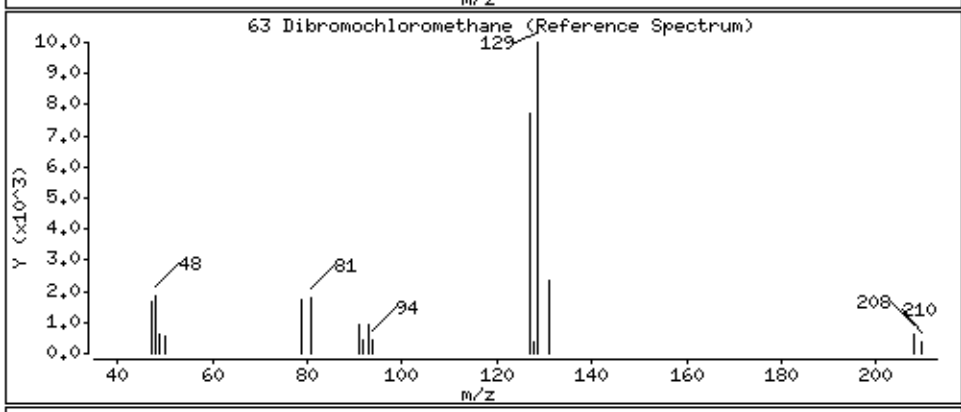
63 Dibromochloromethane

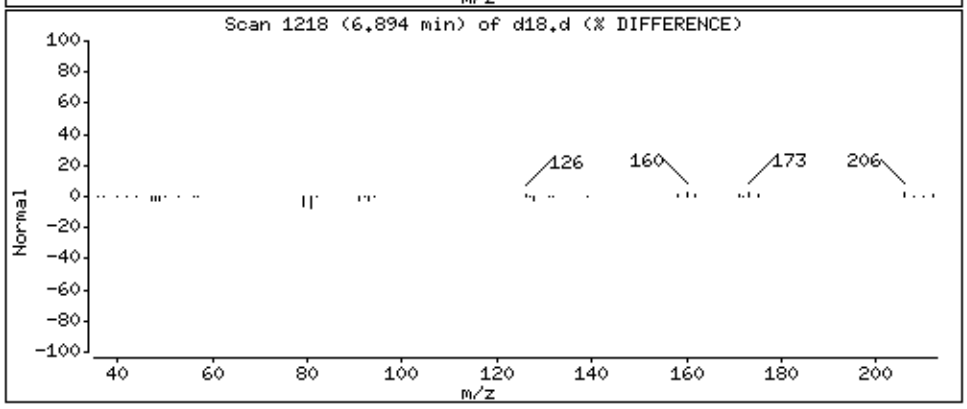
Concentration: 44.8 ppb

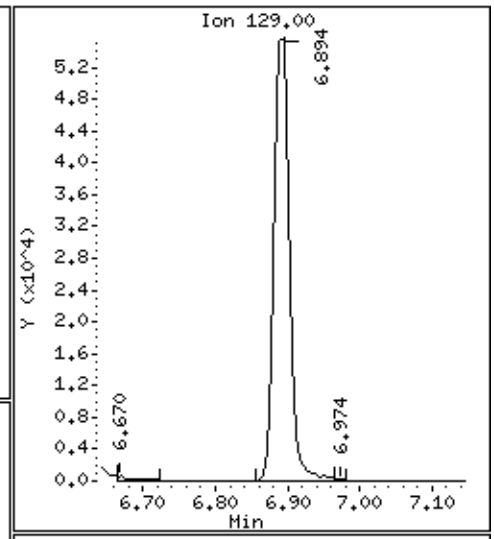
Review Code:

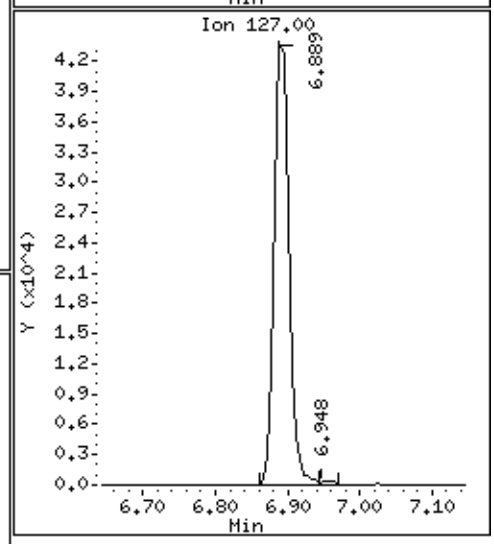












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

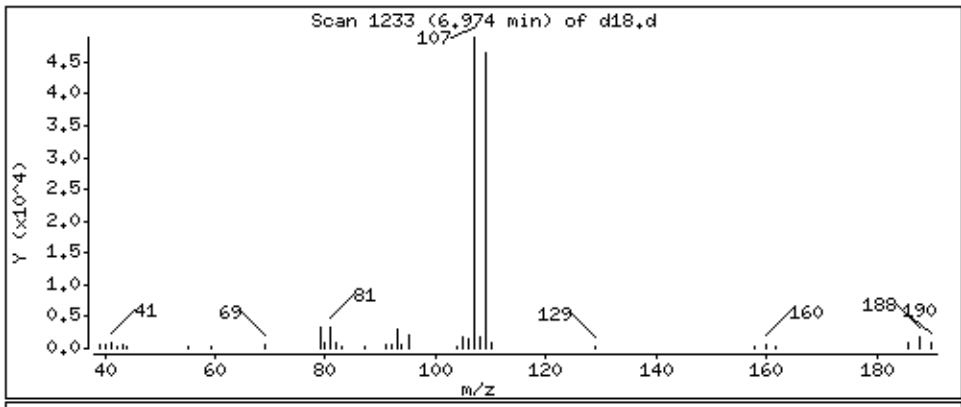
Column phase: DB-624

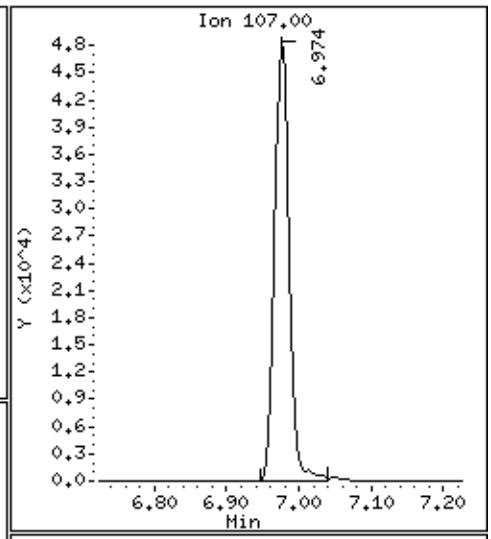
Column diameter: 0.18

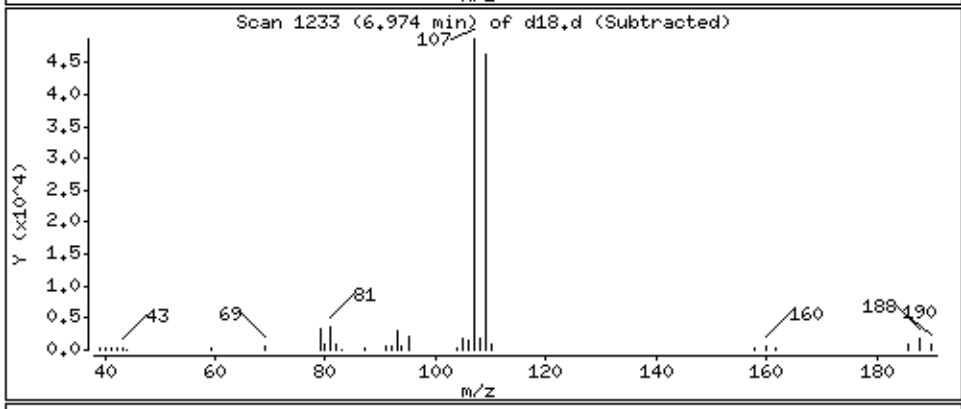
64 1,2-Dibromoethane

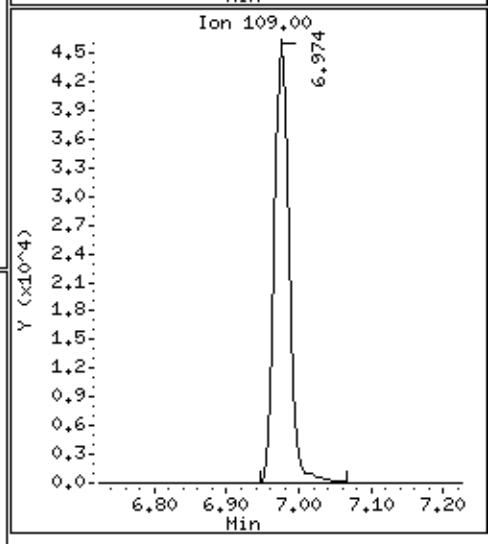
Concentration: 47.5 ppb

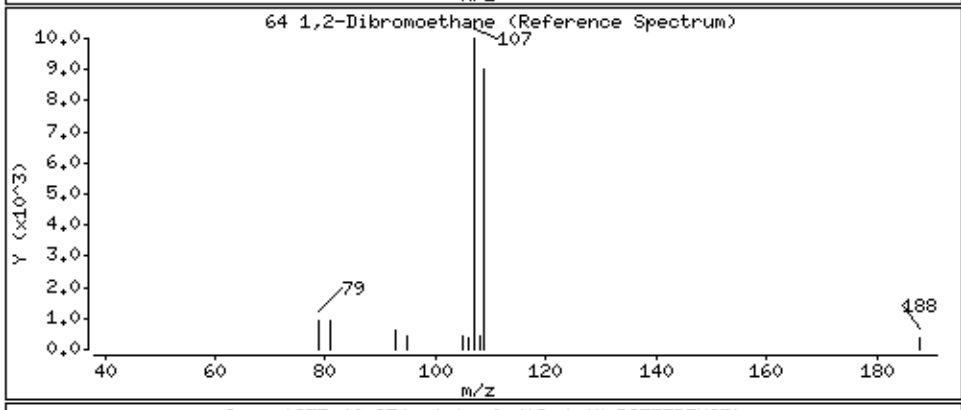
Review Code:

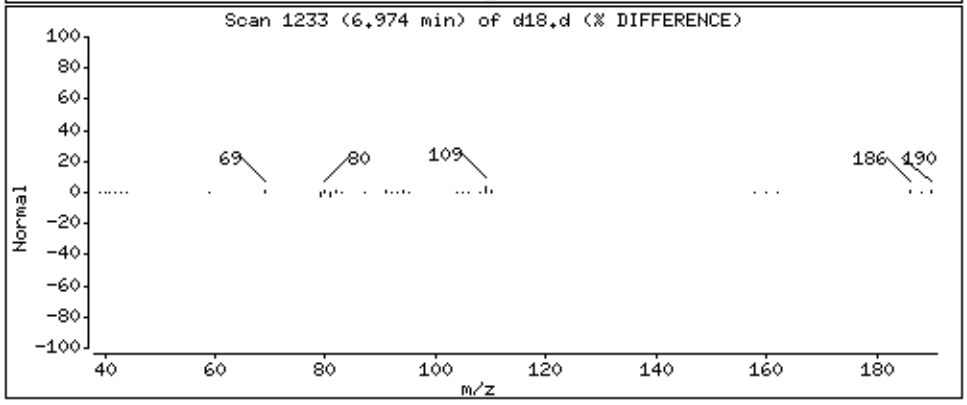












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

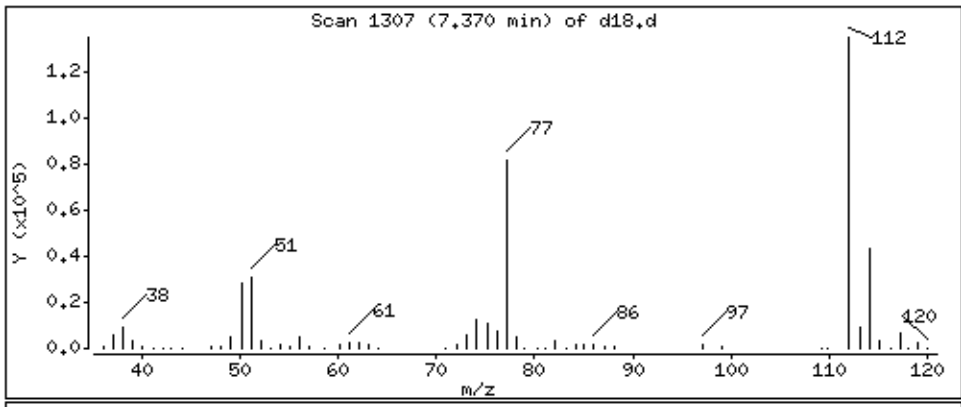
Column phase: DB-624

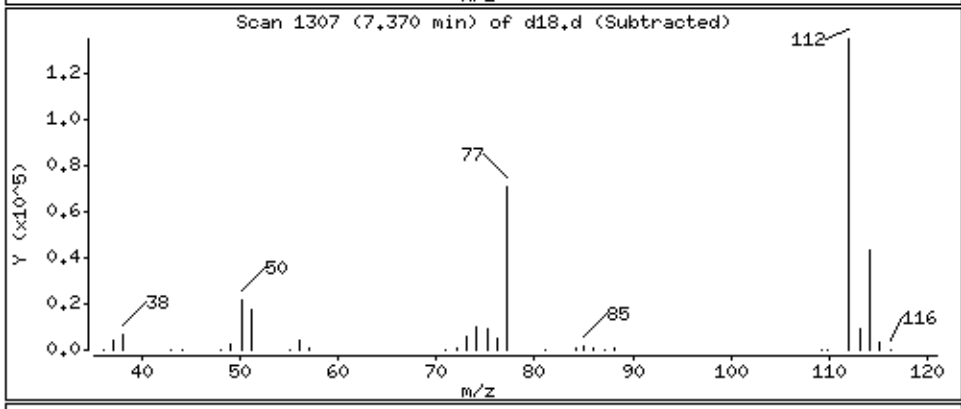
Column diameter: 0.18

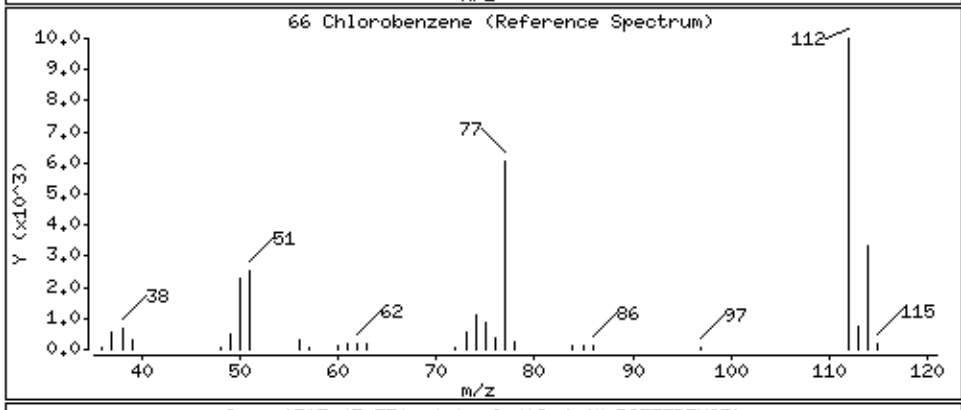
66 Chlorobenzene

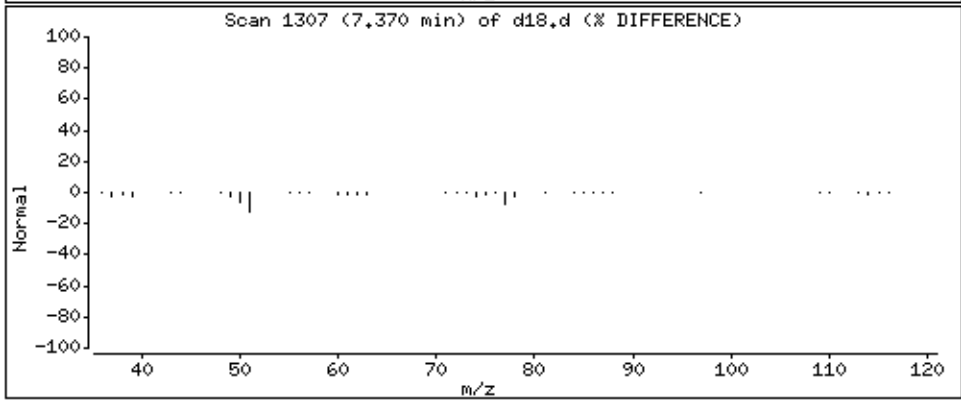
Concentration: 27.7 ppb

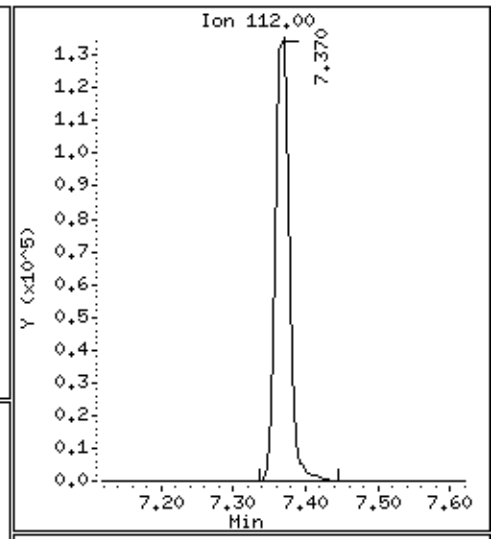
Review Code:

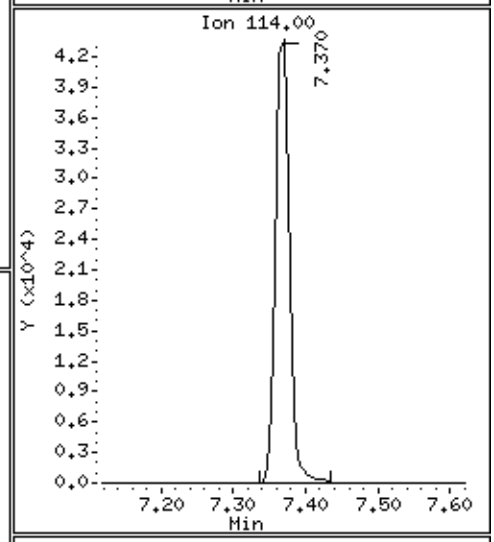


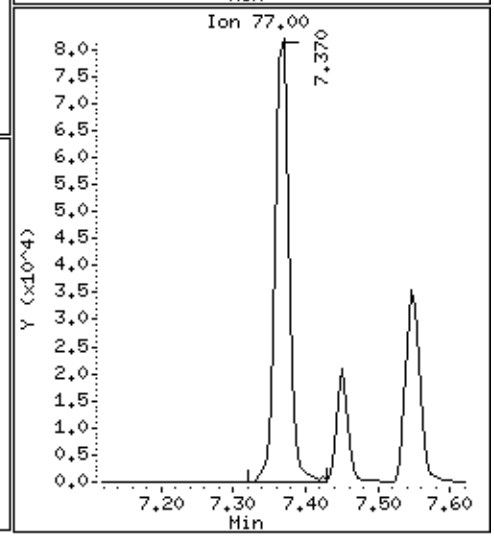












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

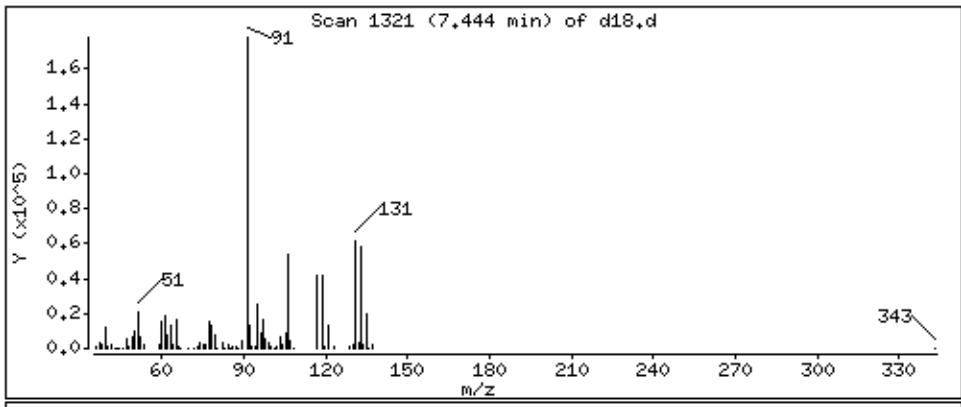
Column phase: DB-624

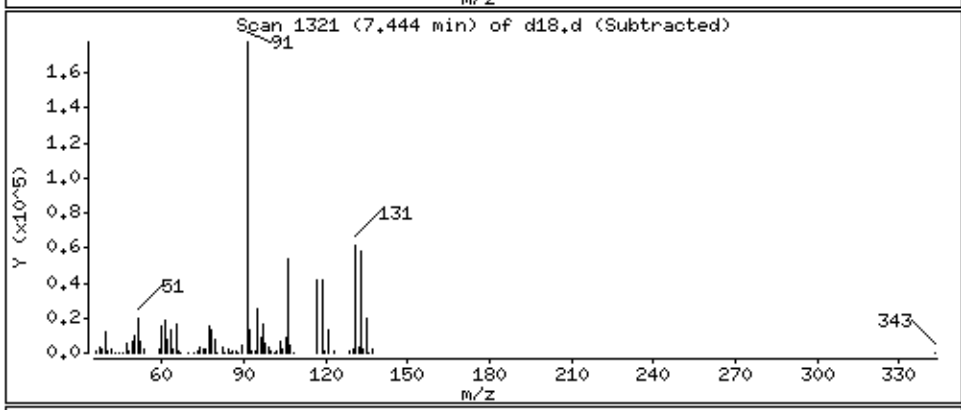
Column diameter: 0.18

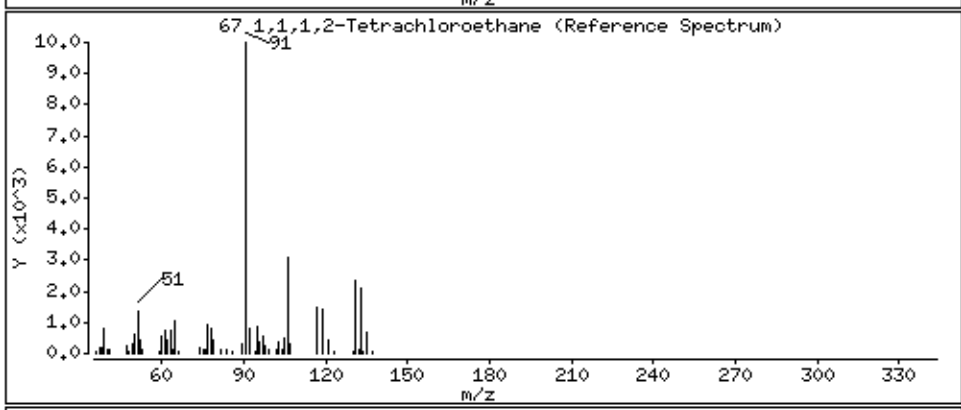
67 1,1,1,2-Tetrachloroethane

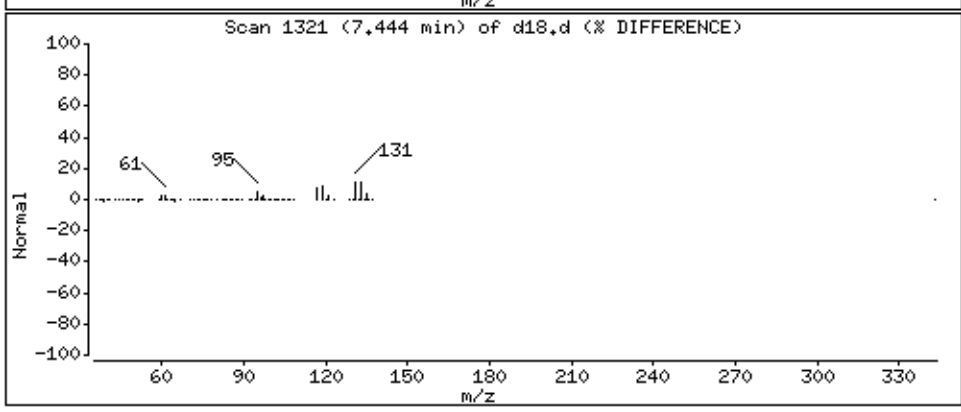
Concentration: 38.3 ppb

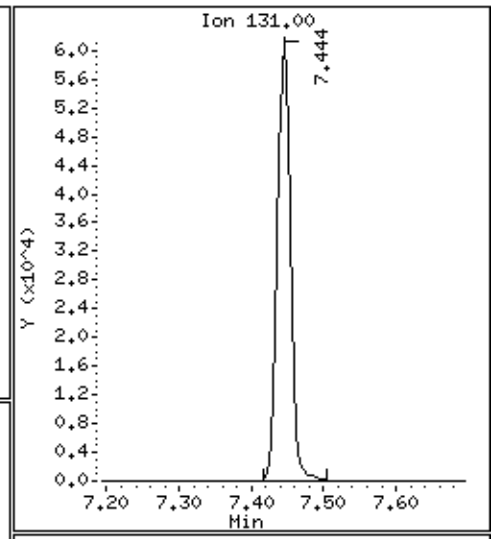
Review Code:

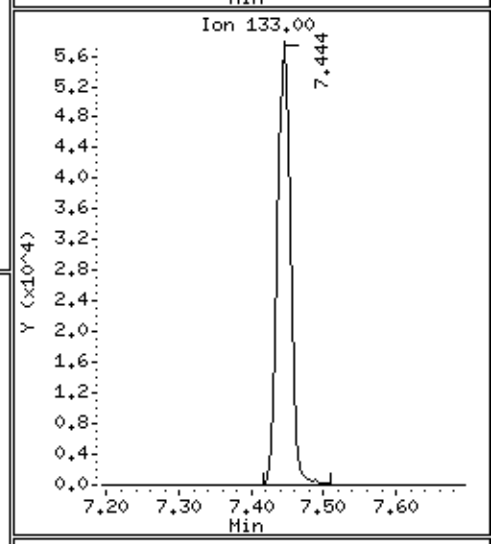


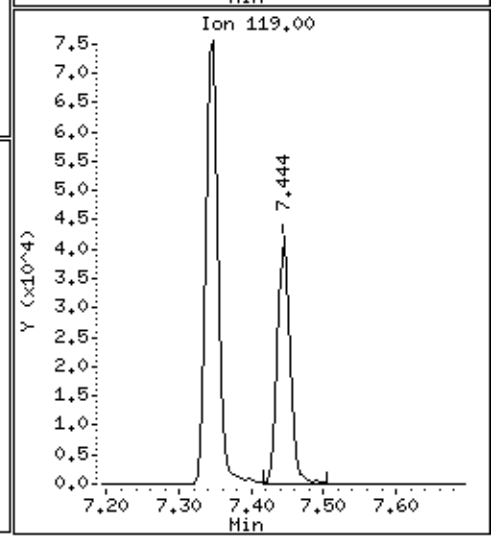












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

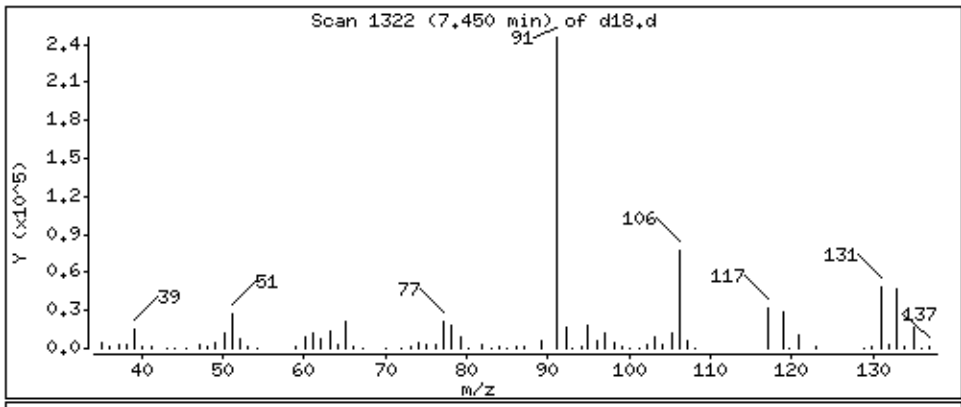
Column phase: DB-624

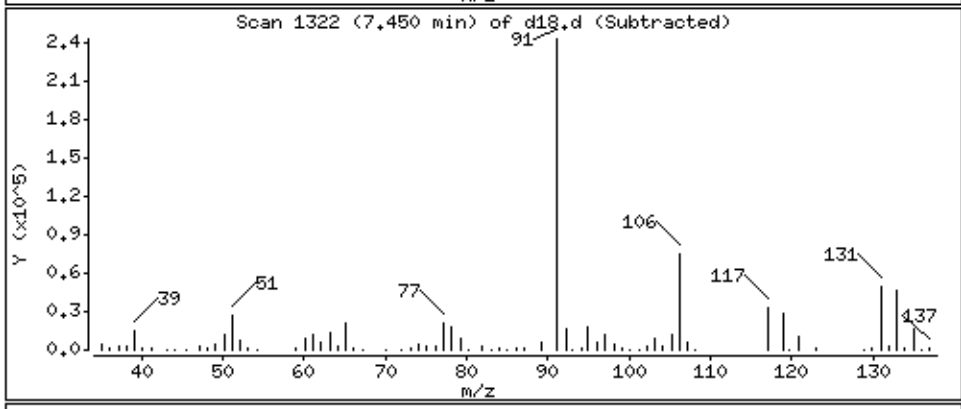
Column diameter: 0.18

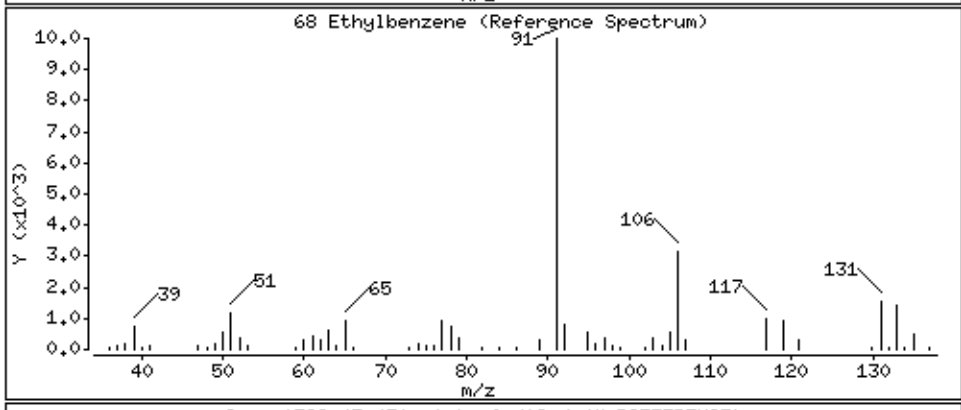
68 Ethylbenzene

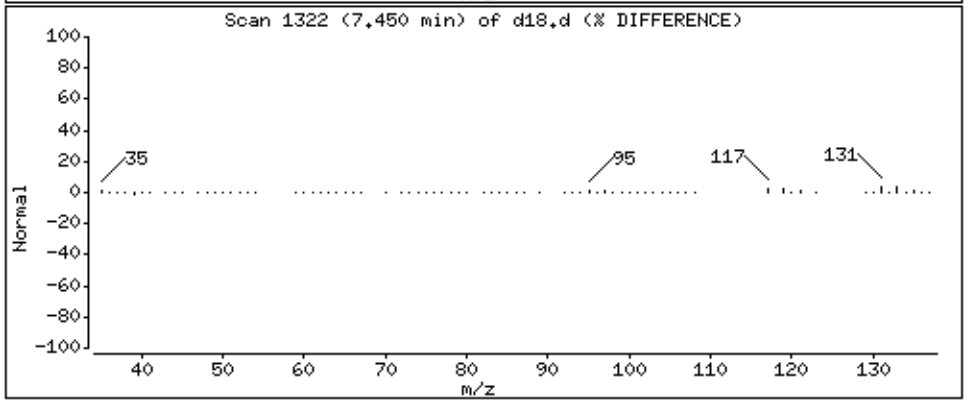
Concentration: 25.0 ppb

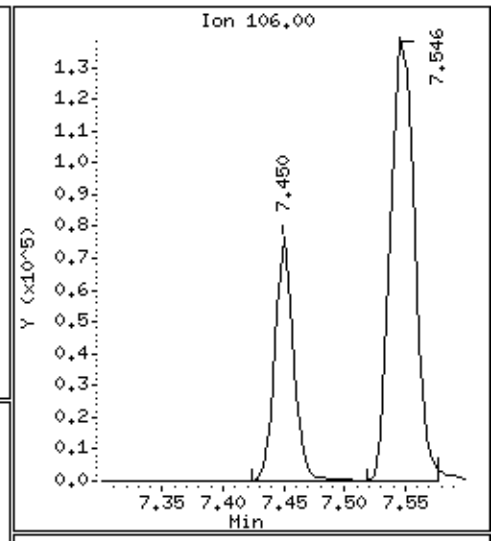
Review Code:

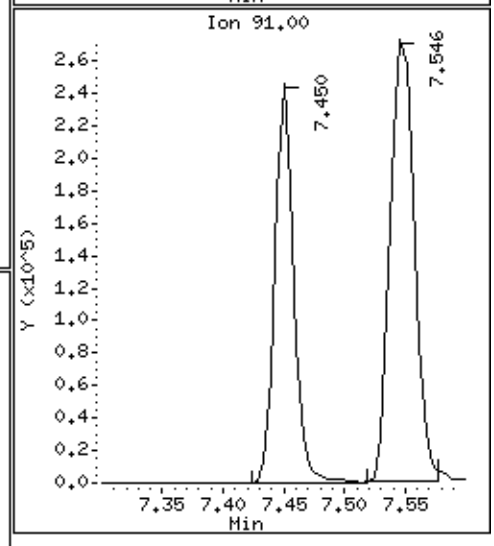












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

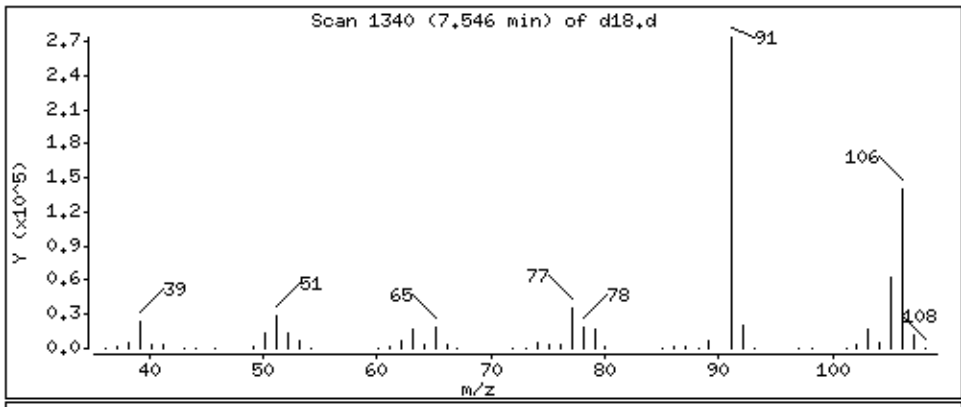
Column phase: DB-624

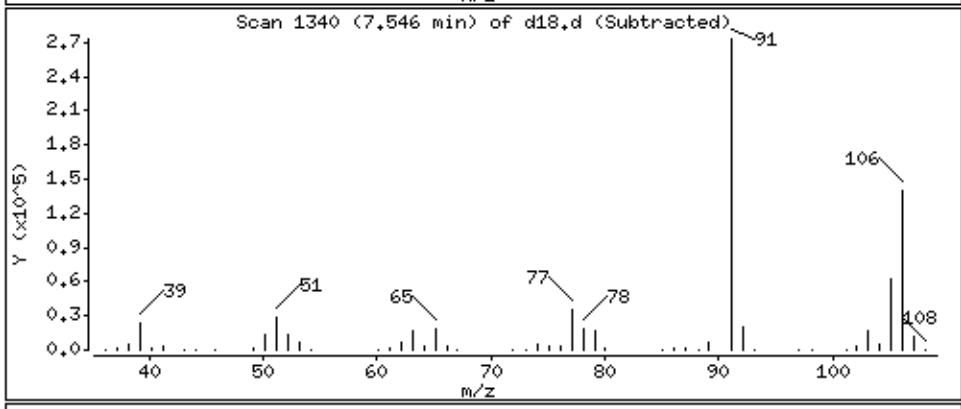
Column diameter: 0.18

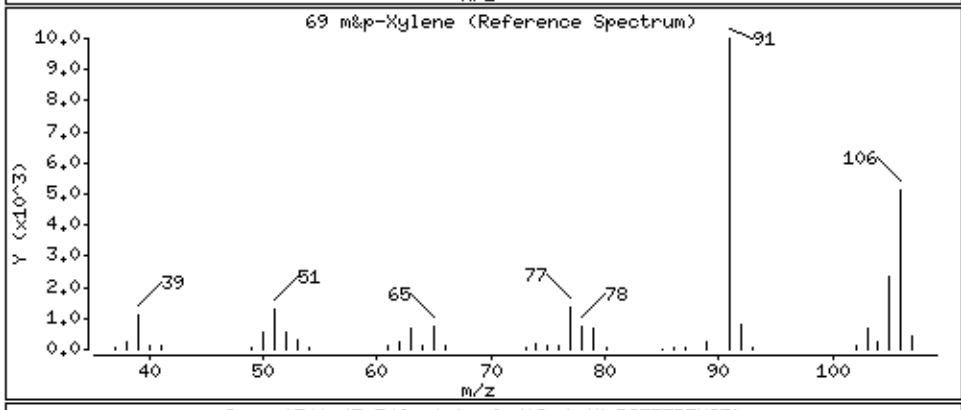
69 m&p-Xylene

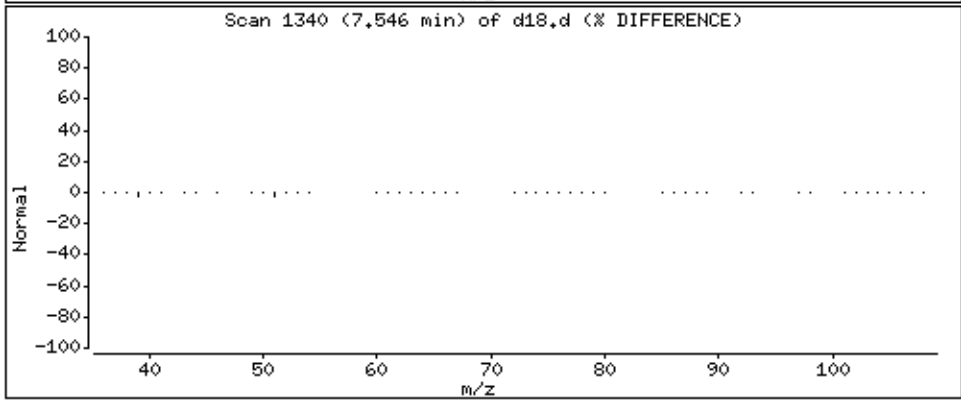
Concentration: 48.2 ppb

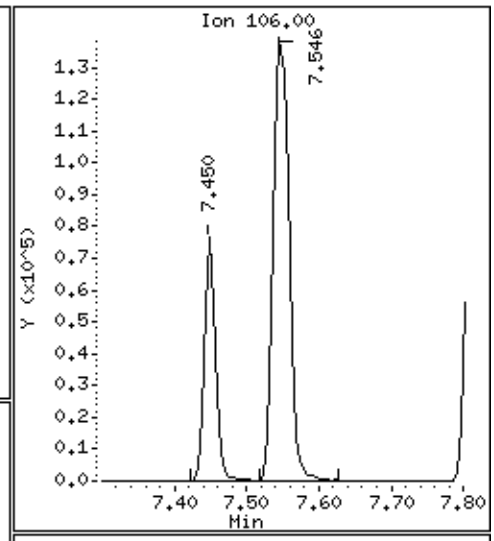
Review Code:

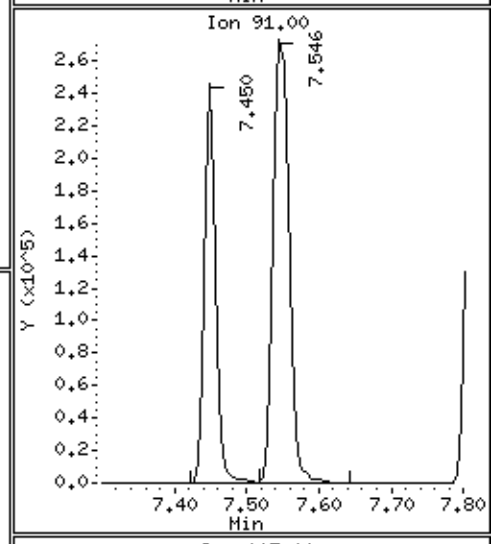


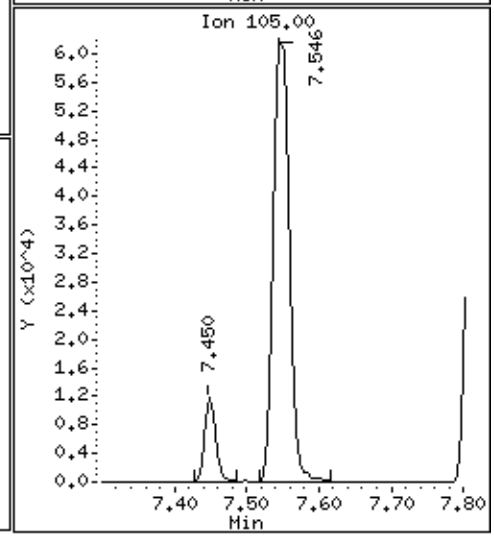












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

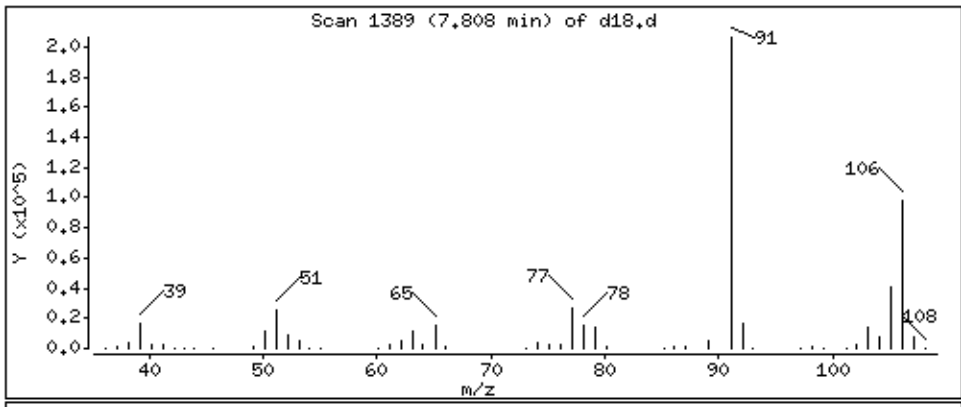
Column phase: DB-624

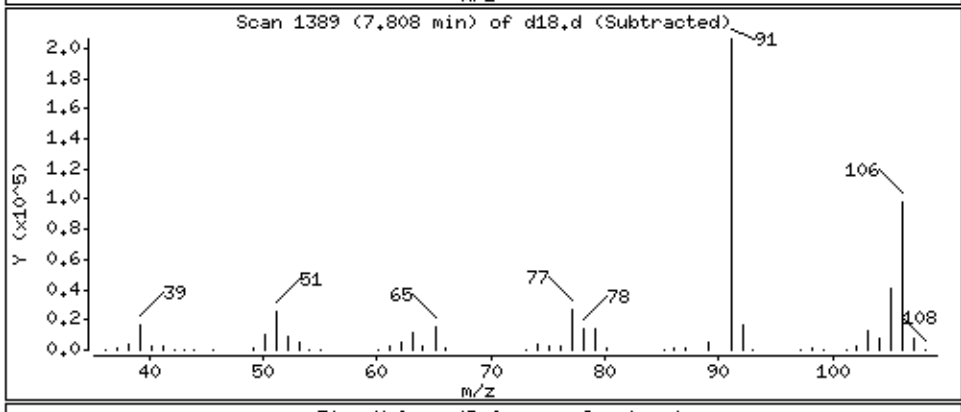
Column diameter: 0.18

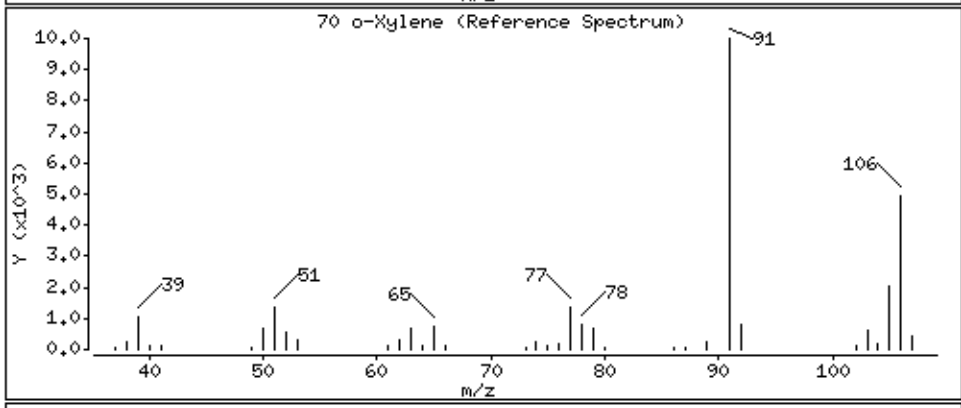
70 o-Xylene

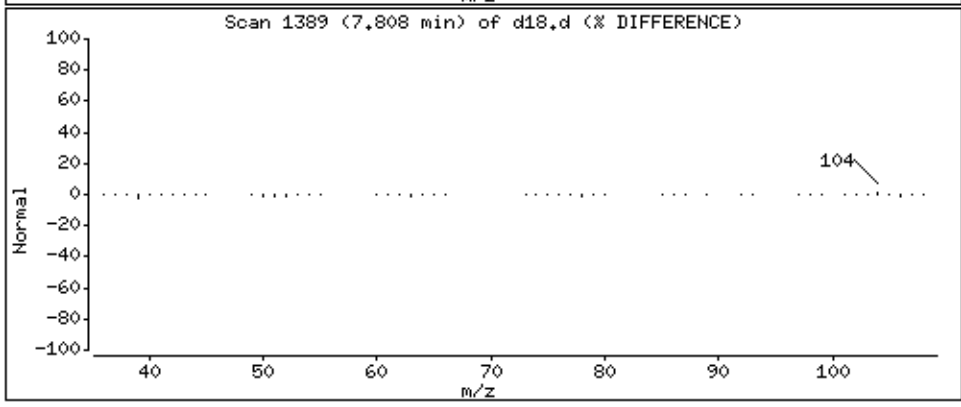
Concentration: 27.3 ppb

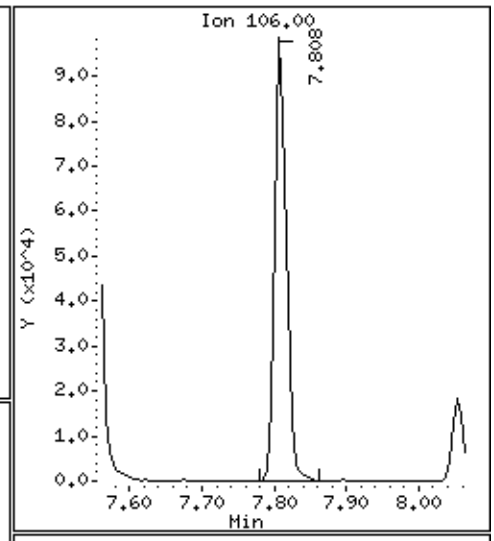
Review Code:

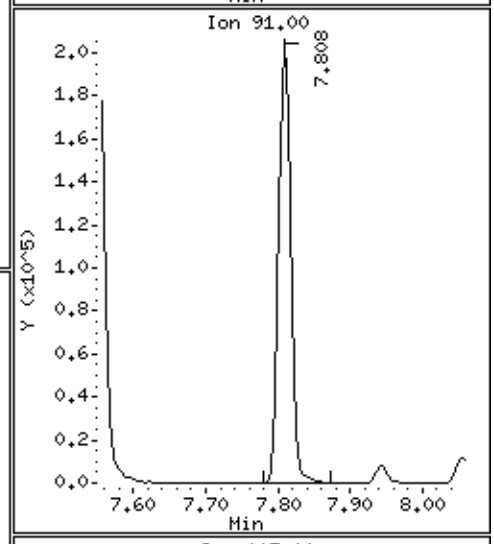


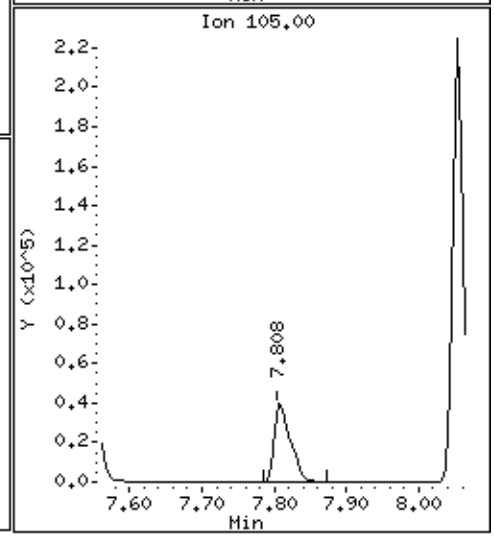












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

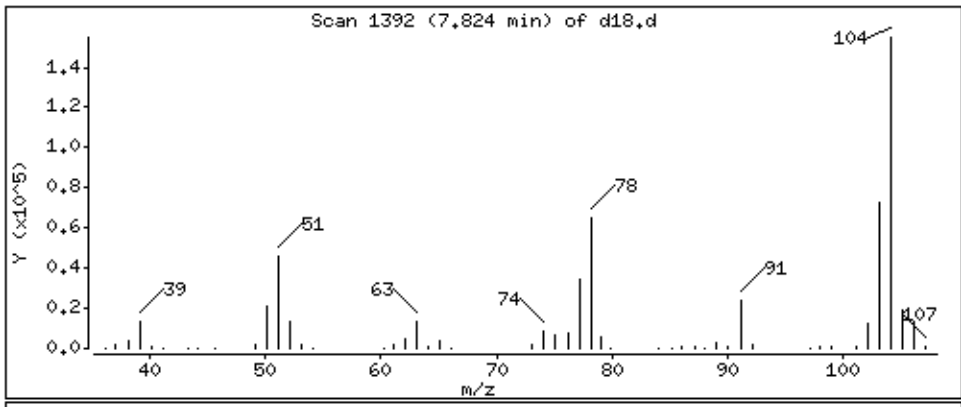
Column phase: DB-624

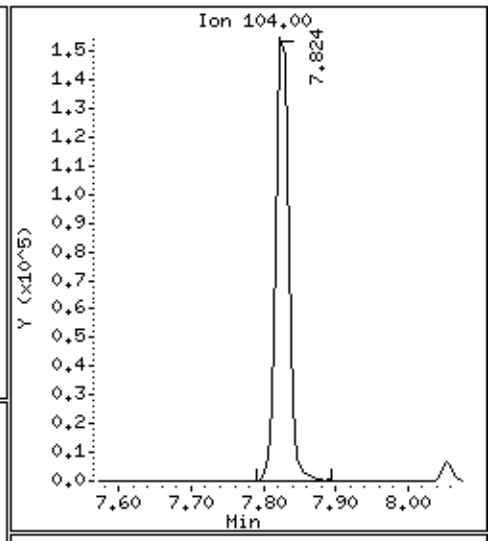
Column diameter: 0.18

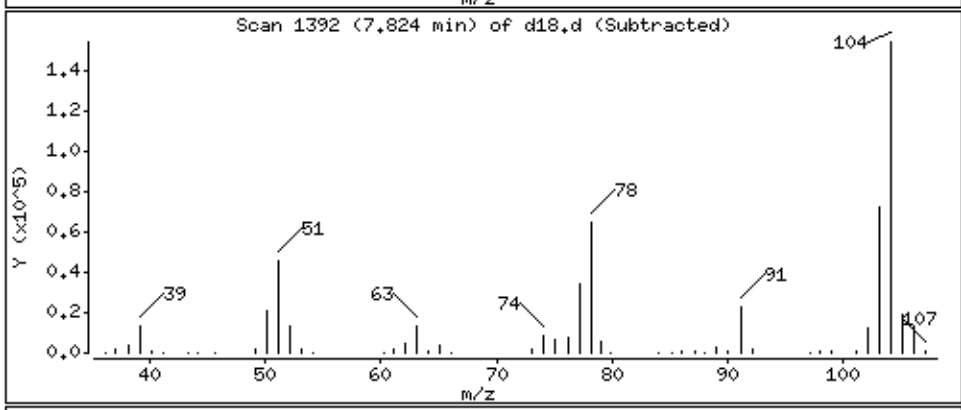
71 Styrene

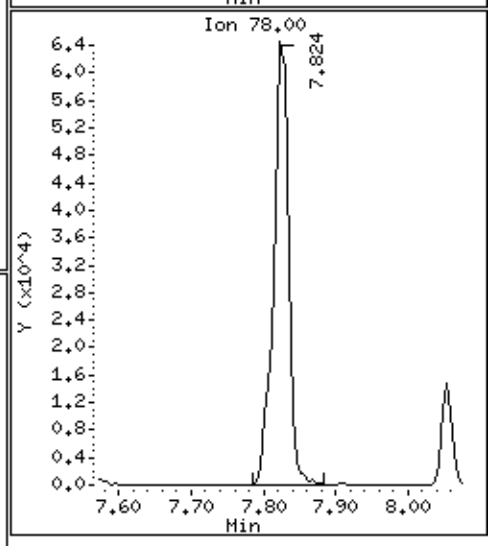
Concentration: 27.9 ppb

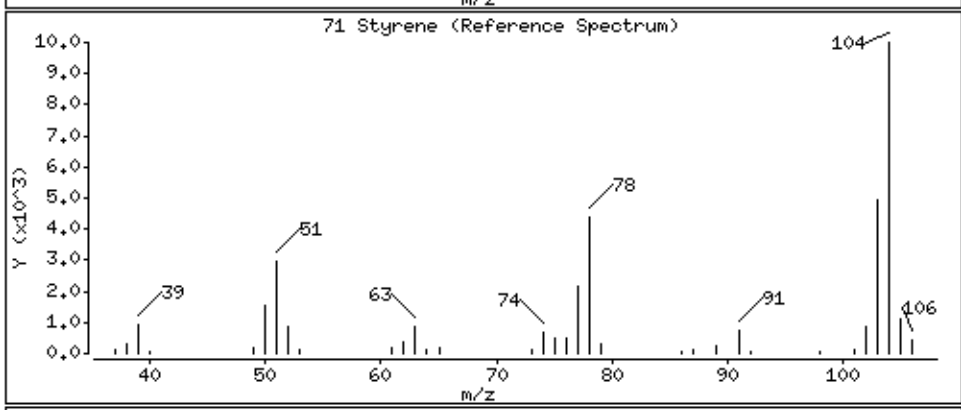
Review Code:

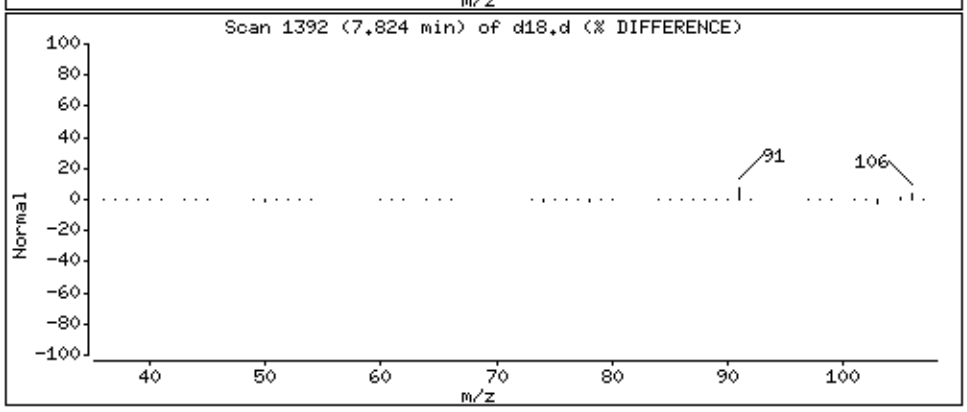












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

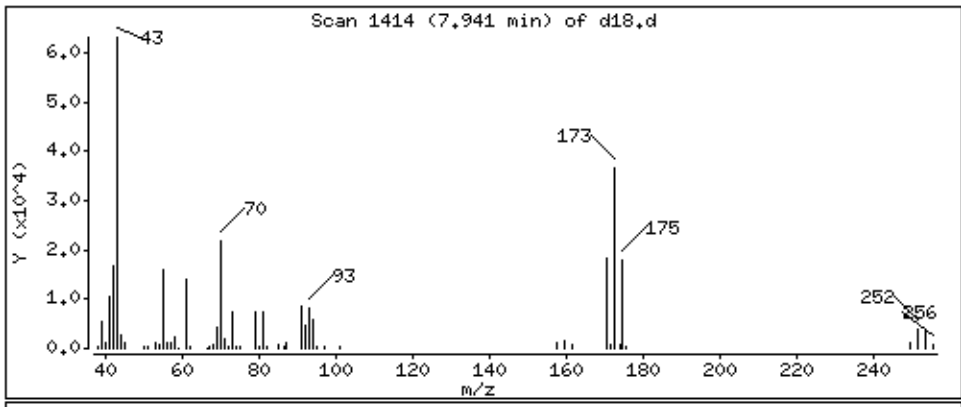
Column phase: DB-624

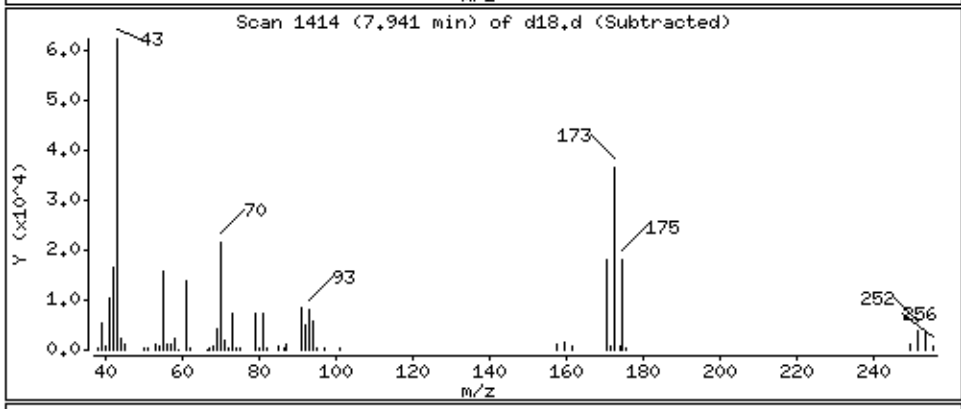
Column diameter: 0.18

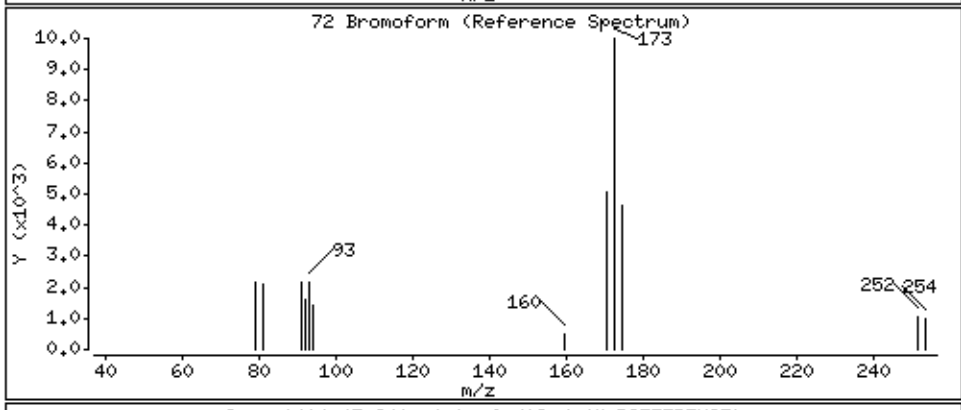
72 Bromoform

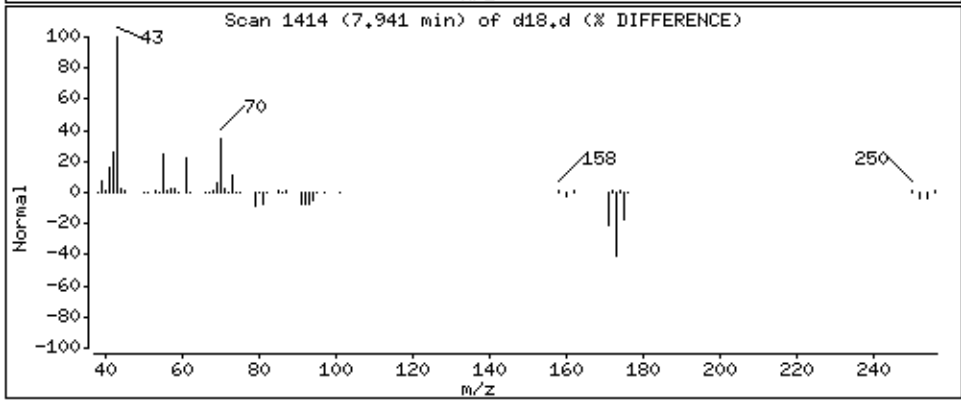
Concentration: 46.1 ppb

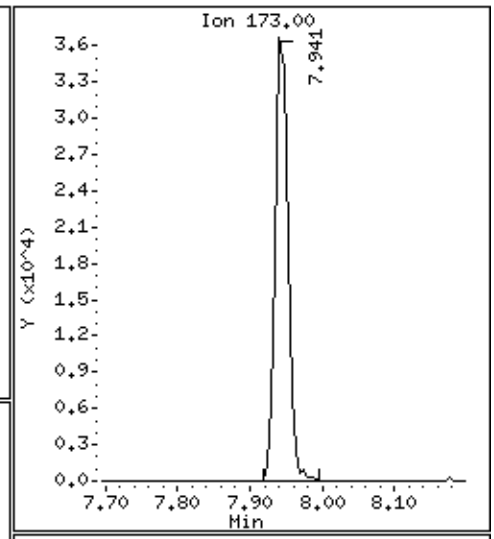
Review Code:

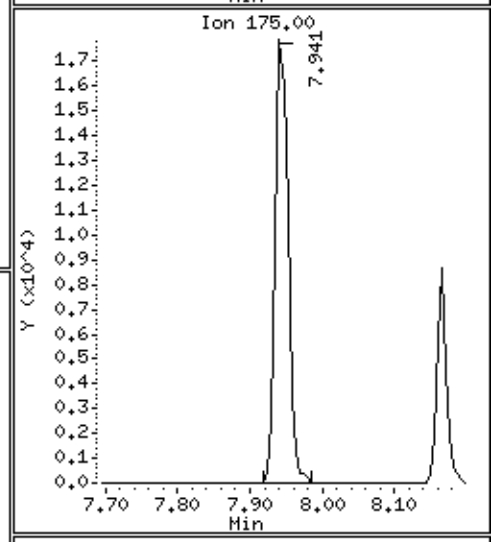


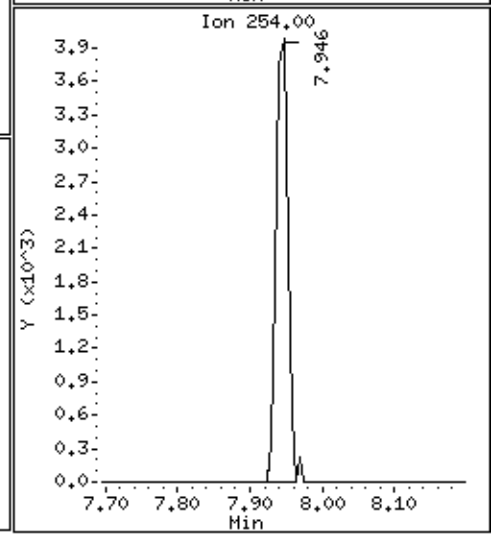












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

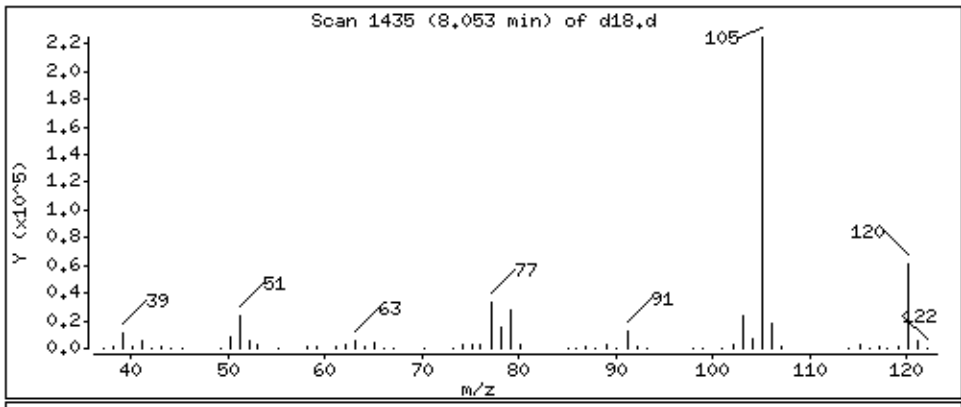
Column phase: DB-624

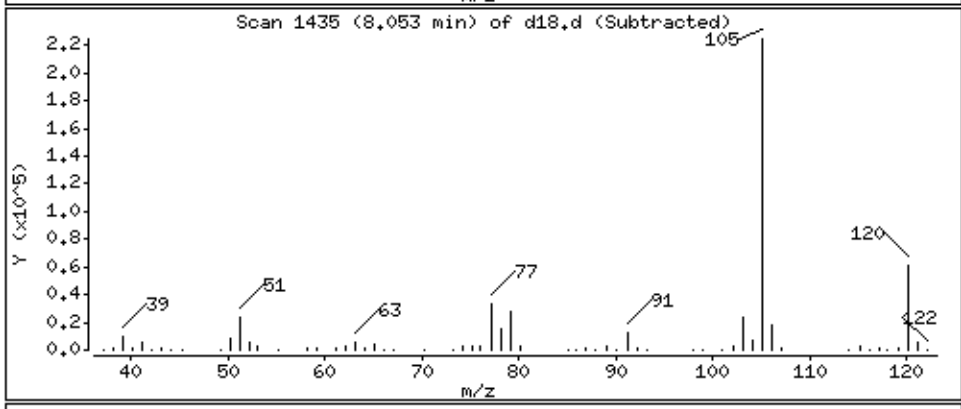
Column diameter: 0.18

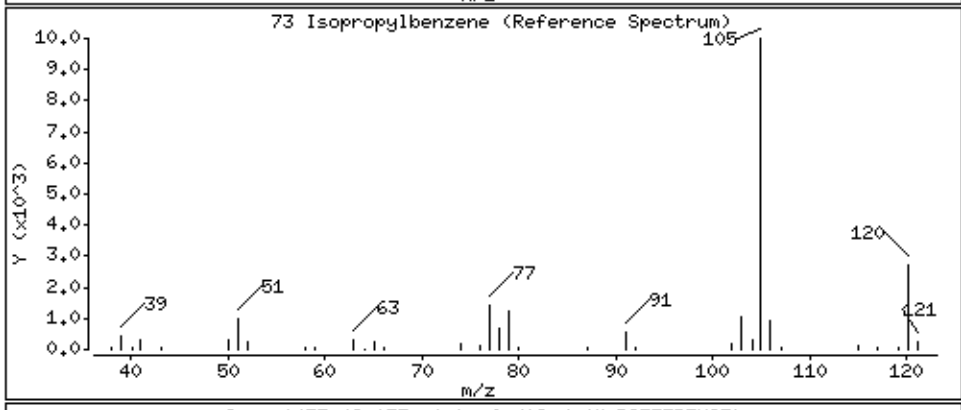
73 Isopropylbenzene

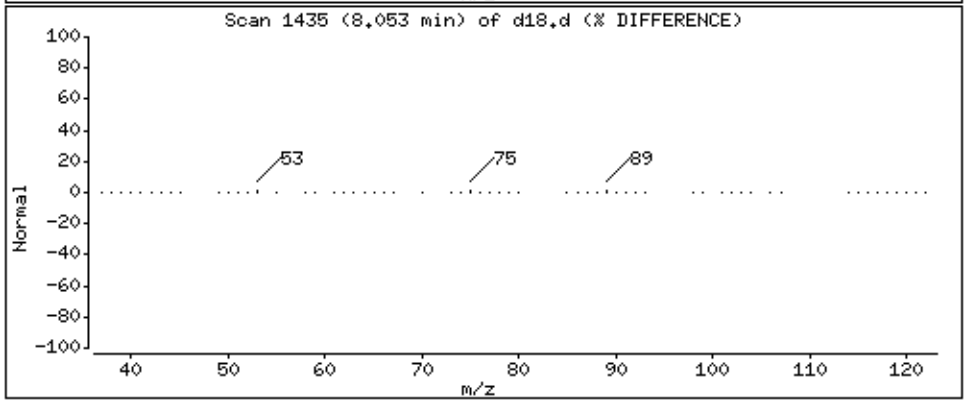
Concentration: 20.6 ppb

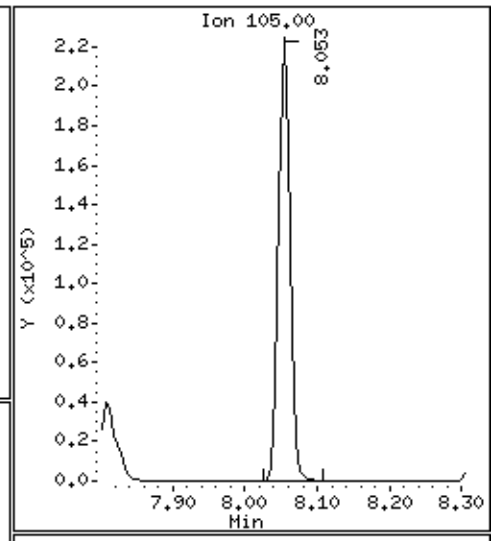
Review Code:

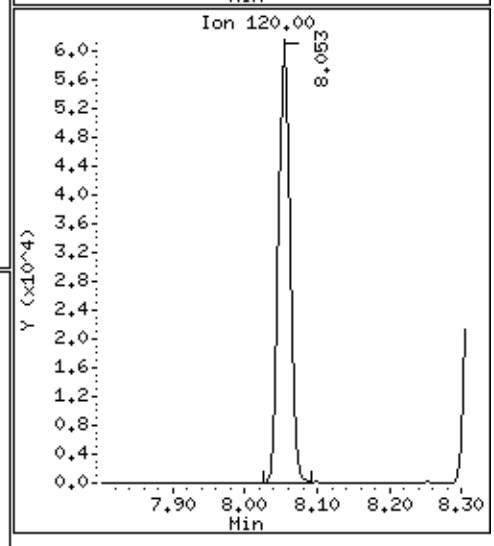












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

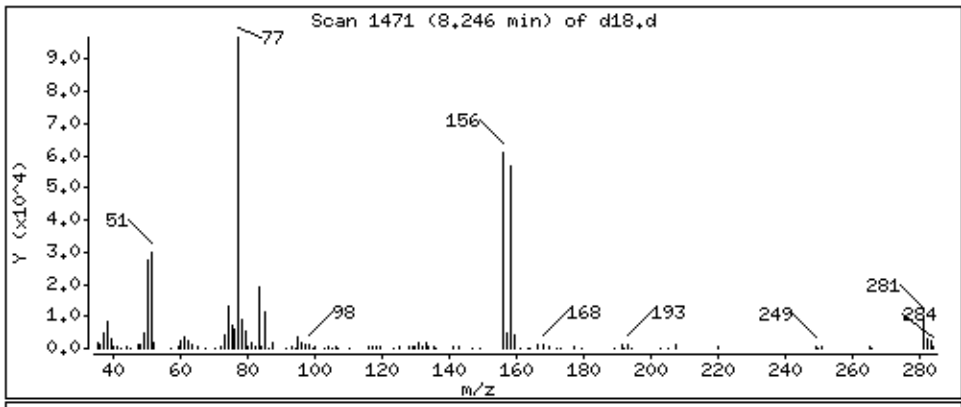
Column phase: DB-624

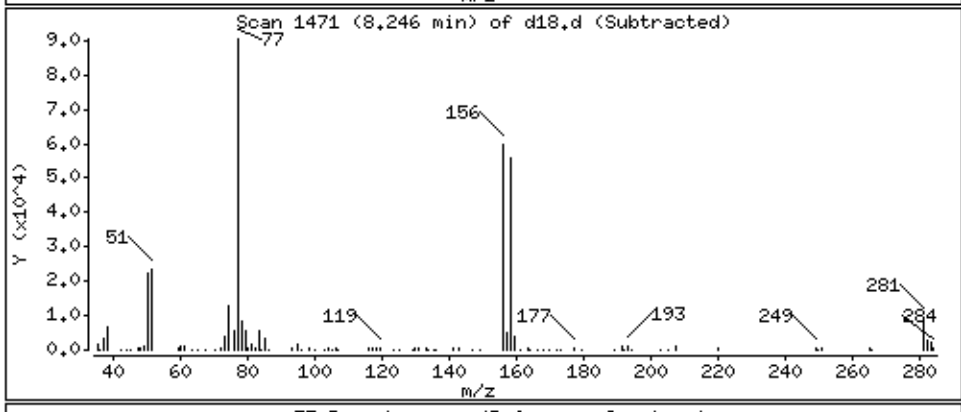
Column diameter: 0.18

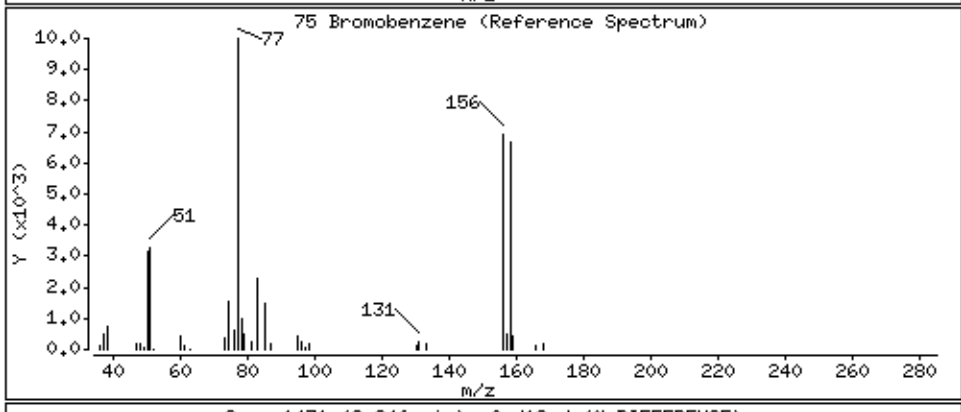
75 Bromobenzene

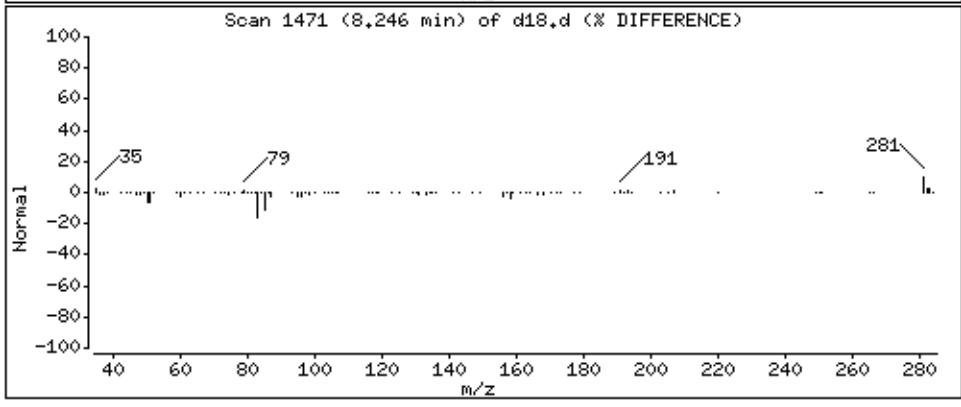
Concentration: 28.4 ppb

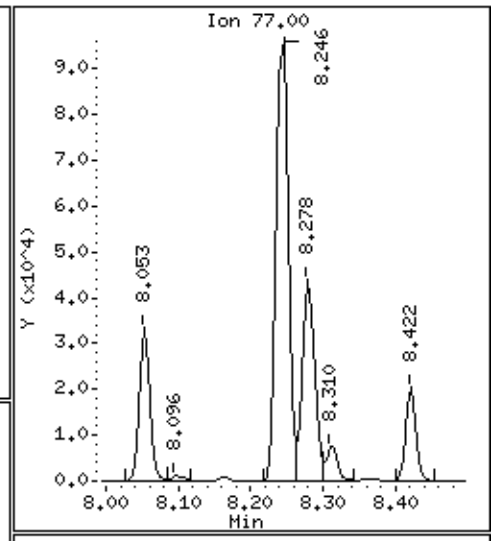
Review Code:

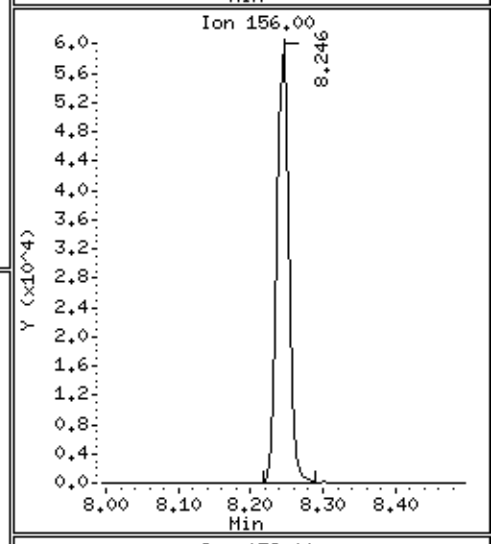


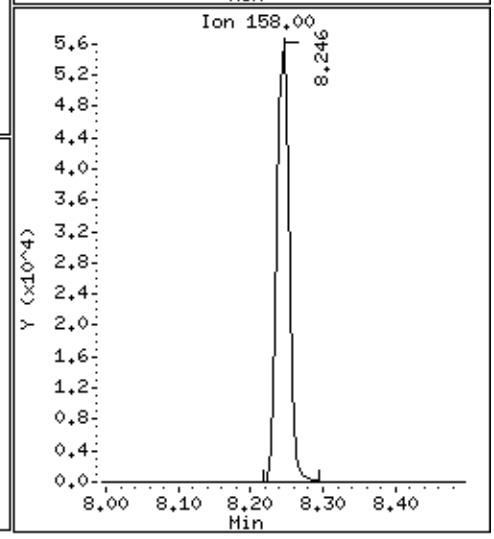












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

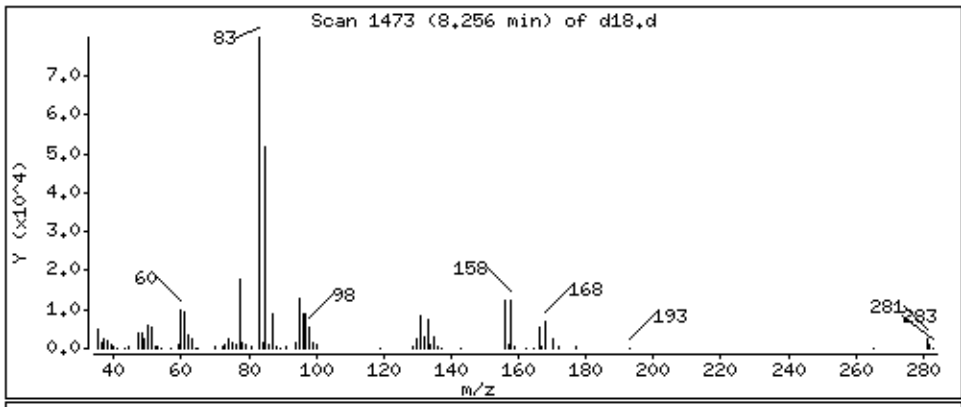
Column phase: DB-624

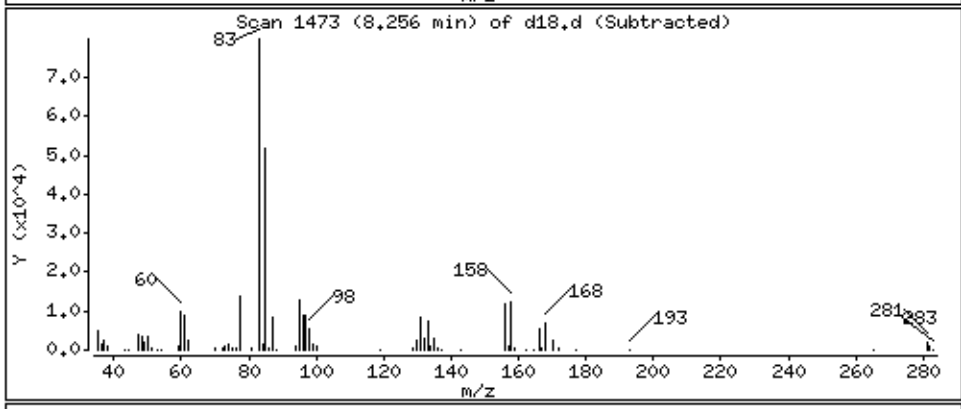
Column diameter: 0.18

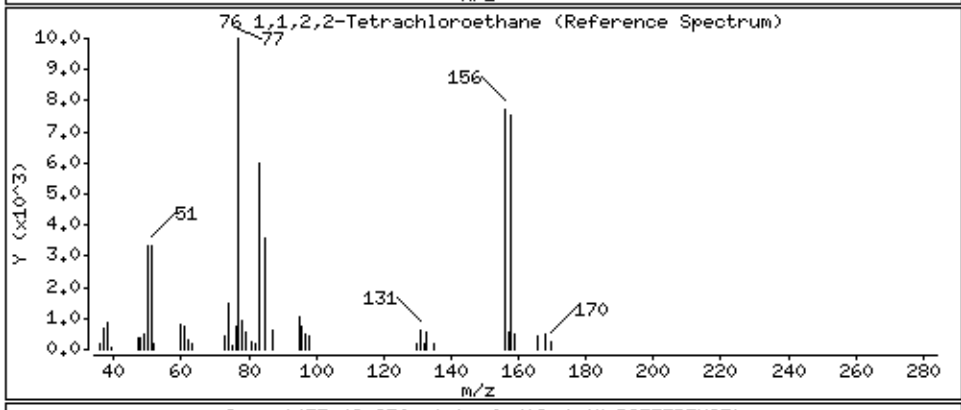
76 1,1,2,2-Tetrachloroethane

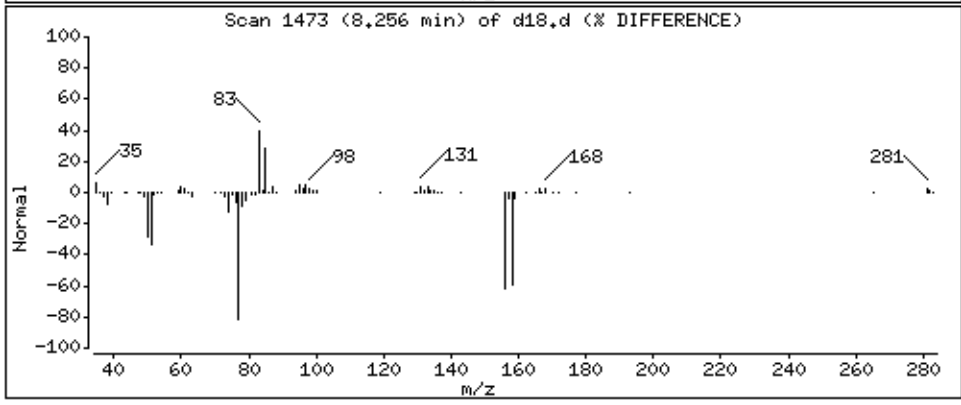
Concentration: 52.9 ppb

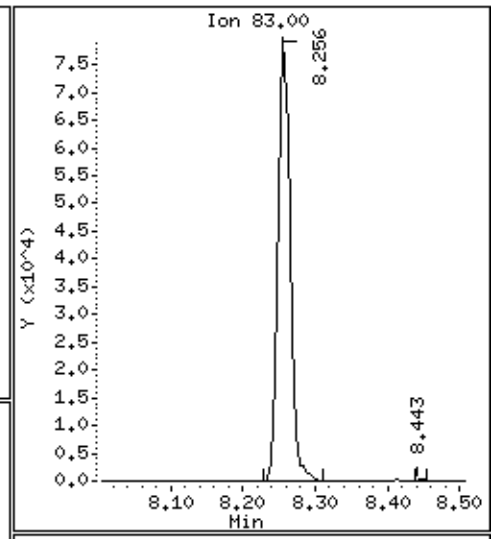
Review Code:

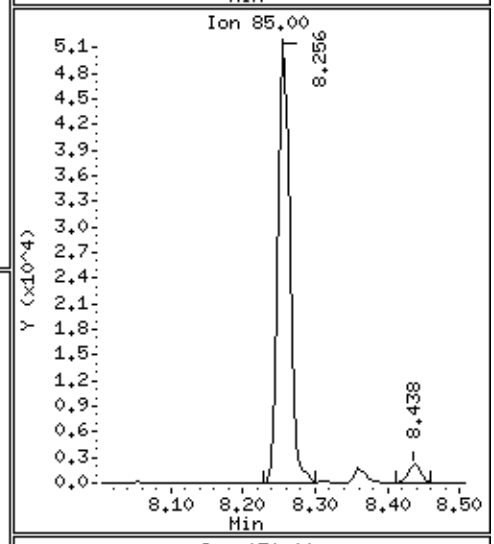


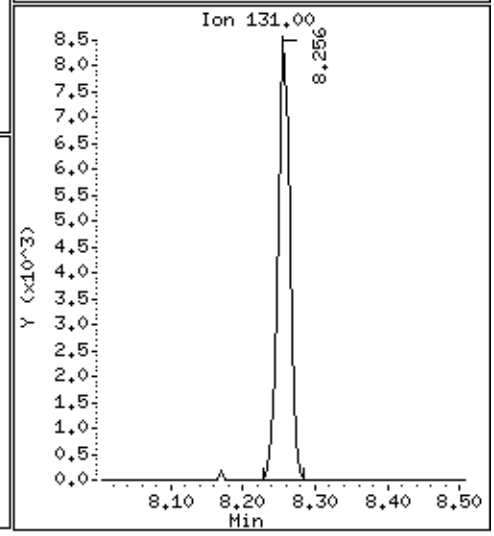












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

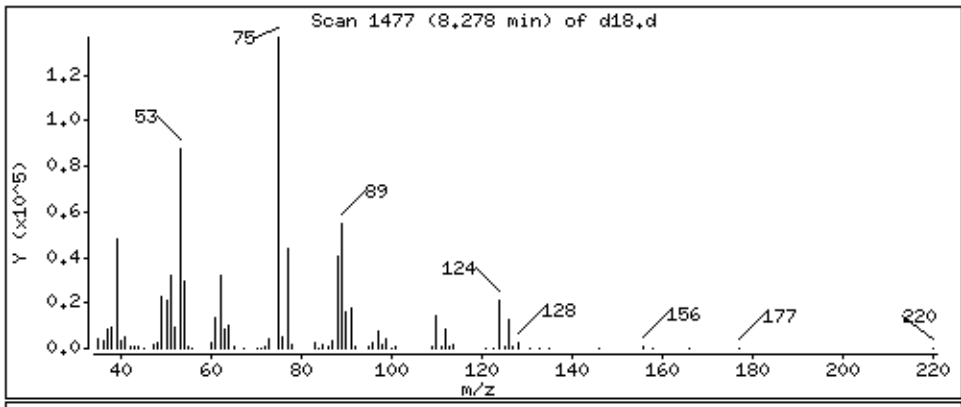
Column phase: DB-624

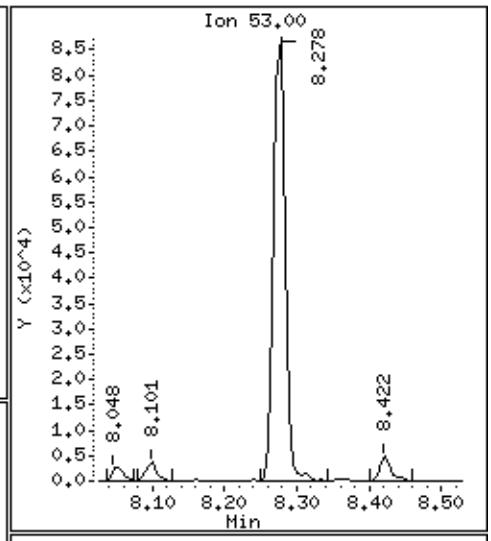
Column diameter: 0.18

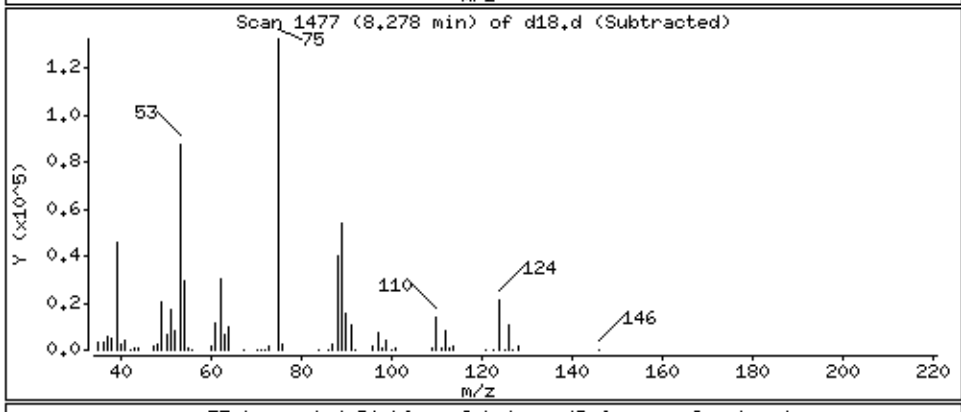
77 trans-1,4-Dichloro-2-butene

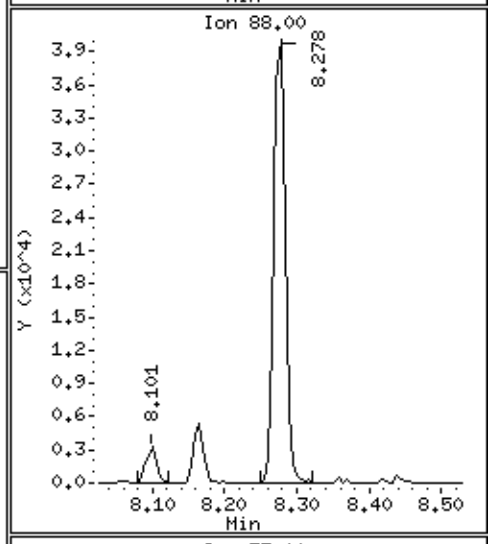
Concentration: 182 ppb

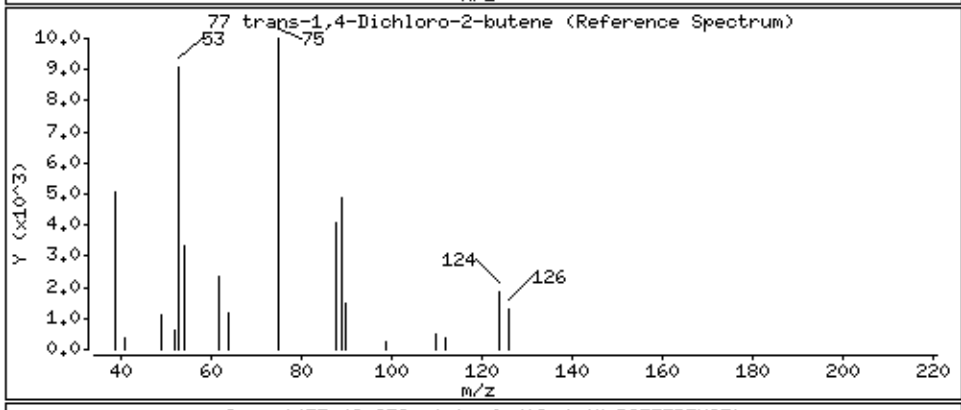
Review Code:

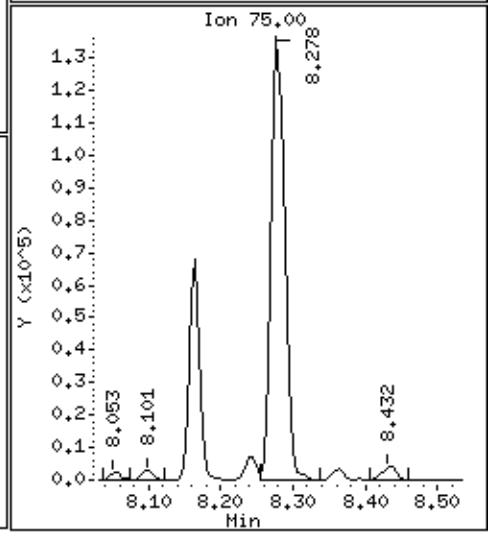


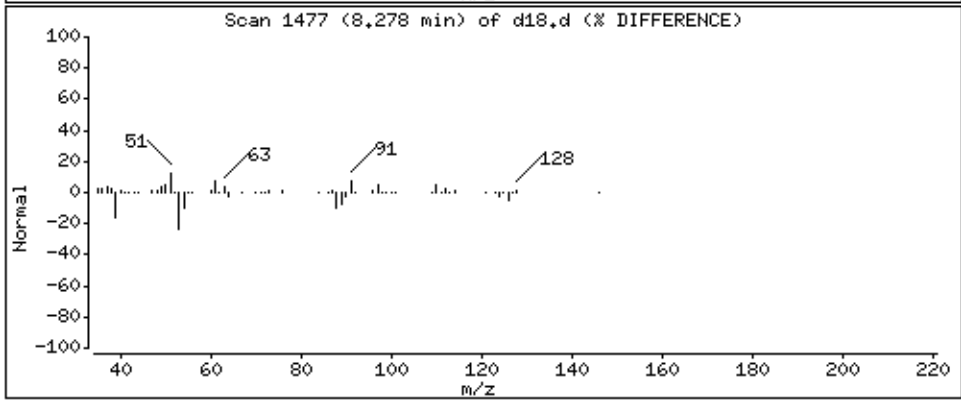












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

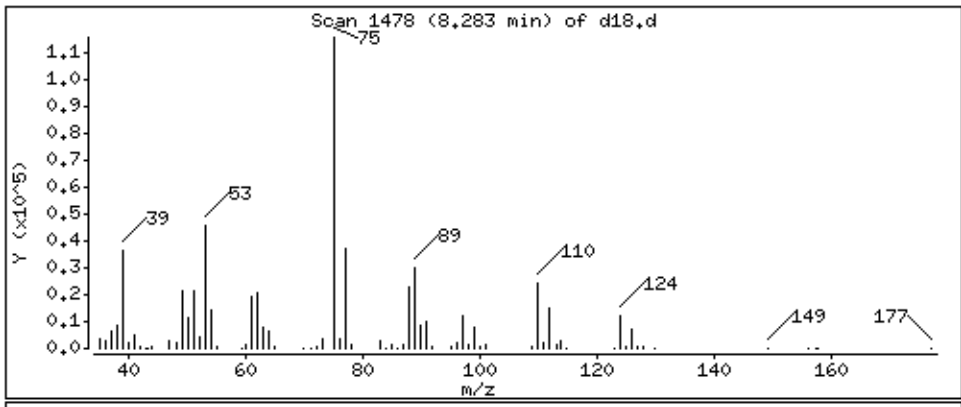
Column phase: DB-624

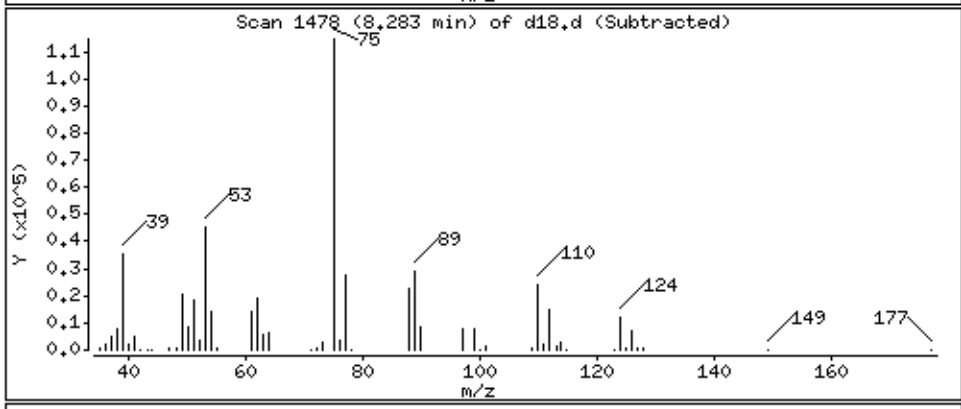
Column diameter: 0.18

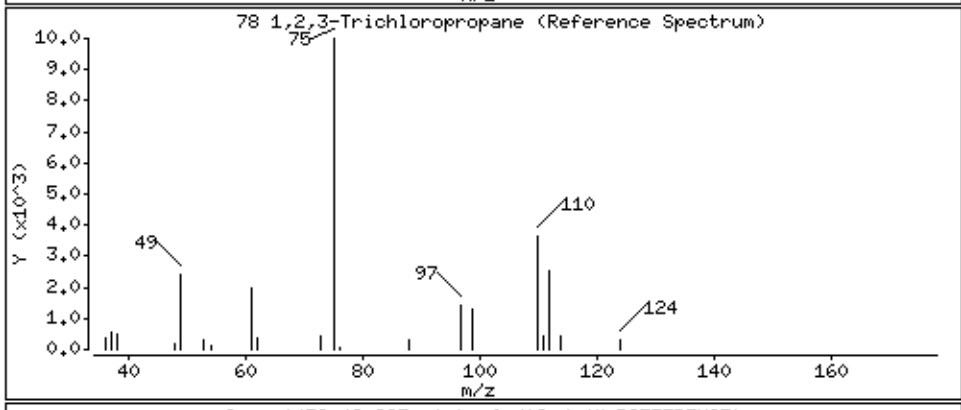
78 1,2,3-Trichloropropane

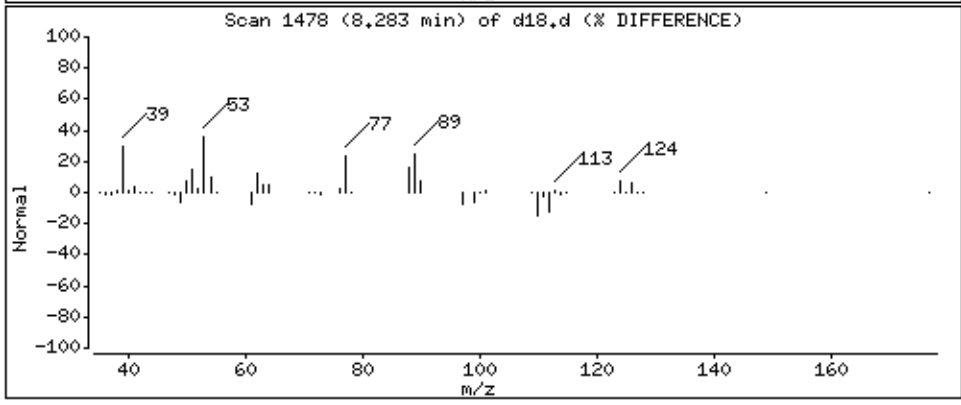
Concentration: 57.0 ppb

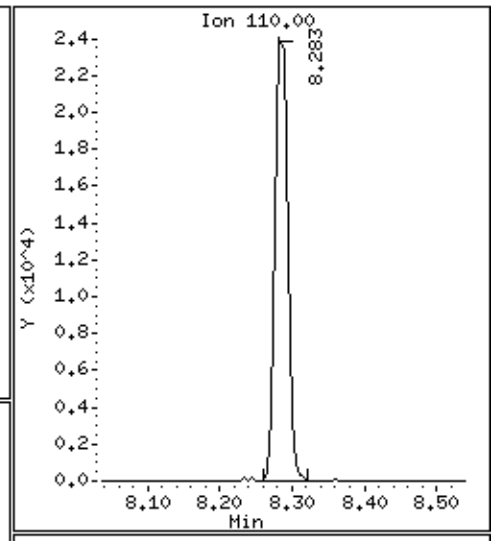
Review Code:

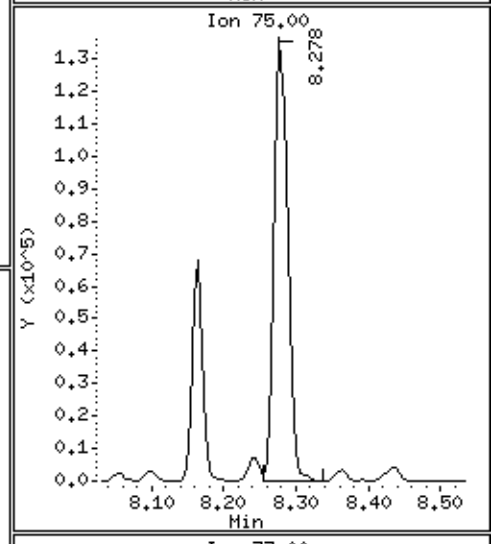


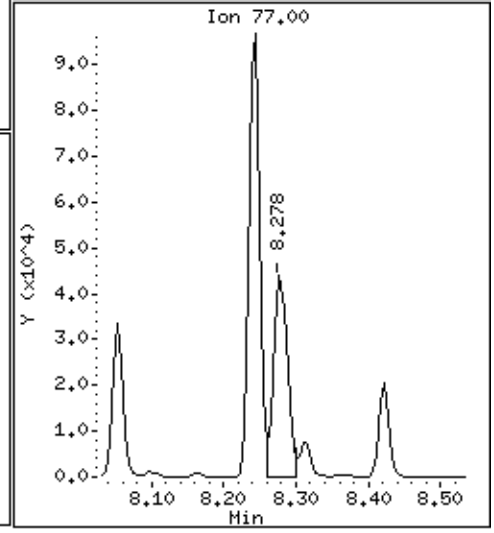












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

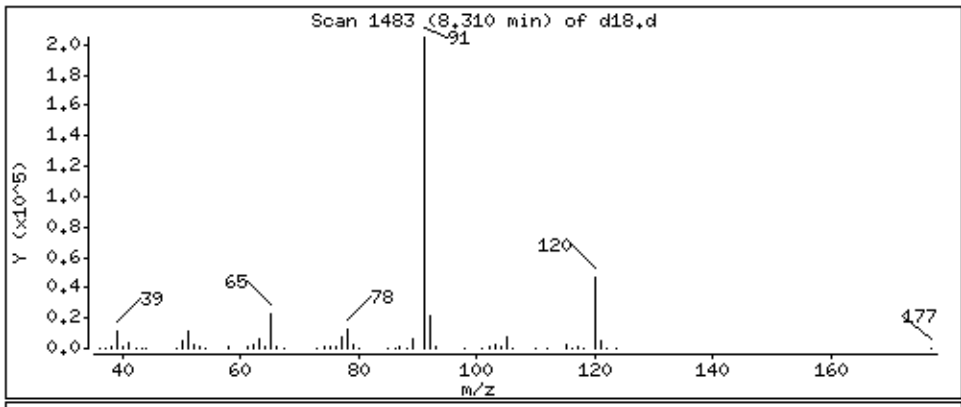
Column phase: DB-624

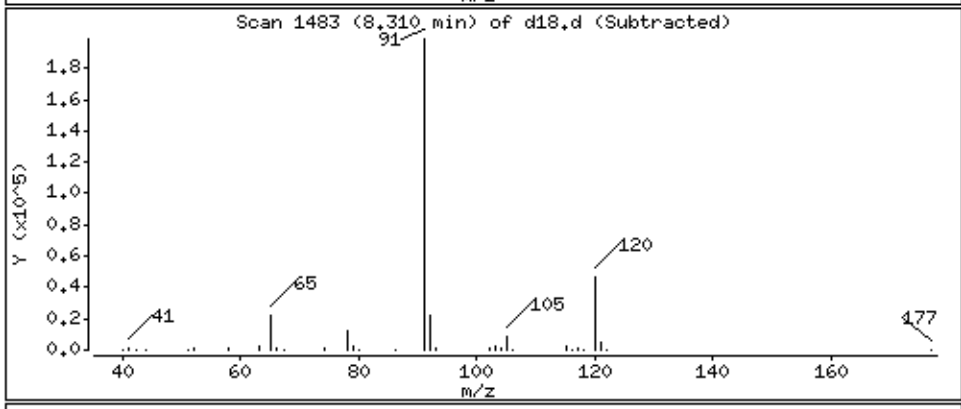
Column diameter: 0.18

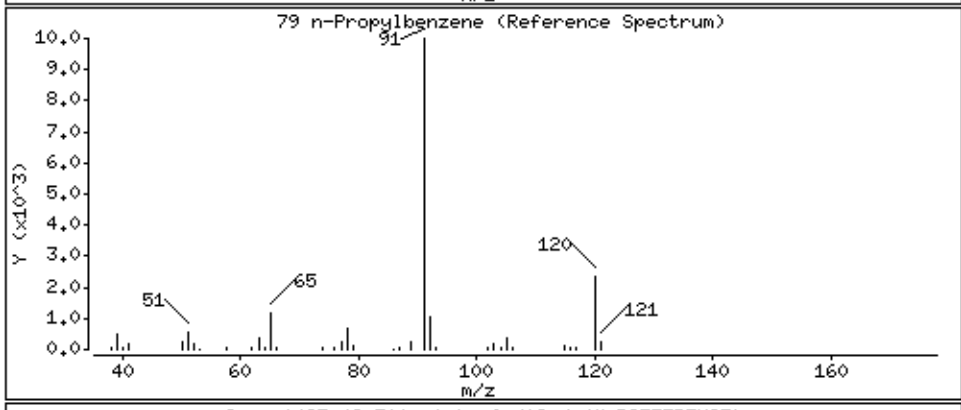
79 n-Propylbenzene

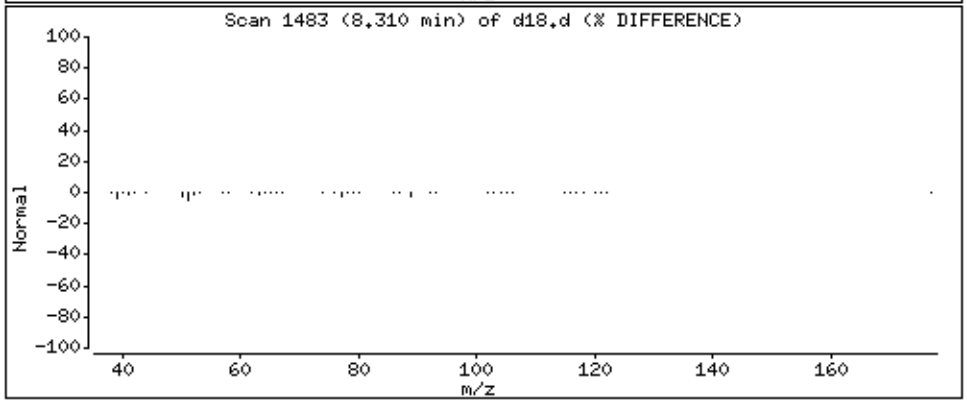
Concentration: 17.1 ppb

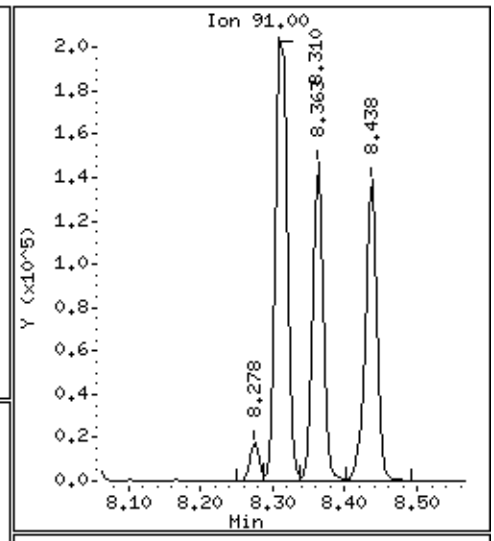
Review Code:

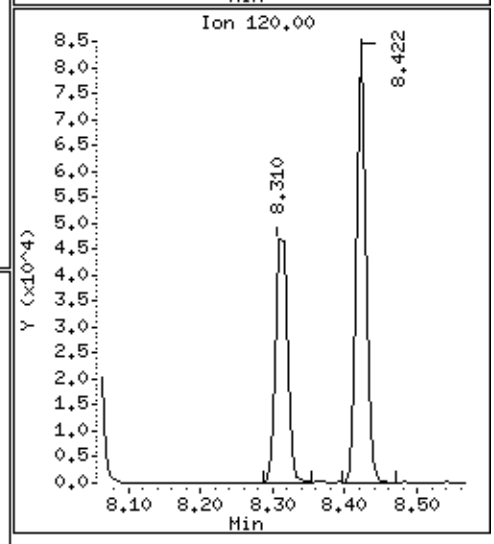












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

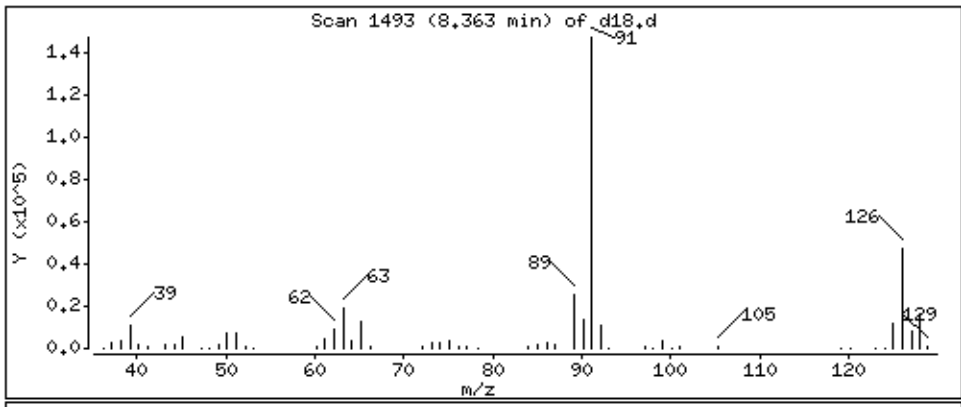
Column phase: DB-624

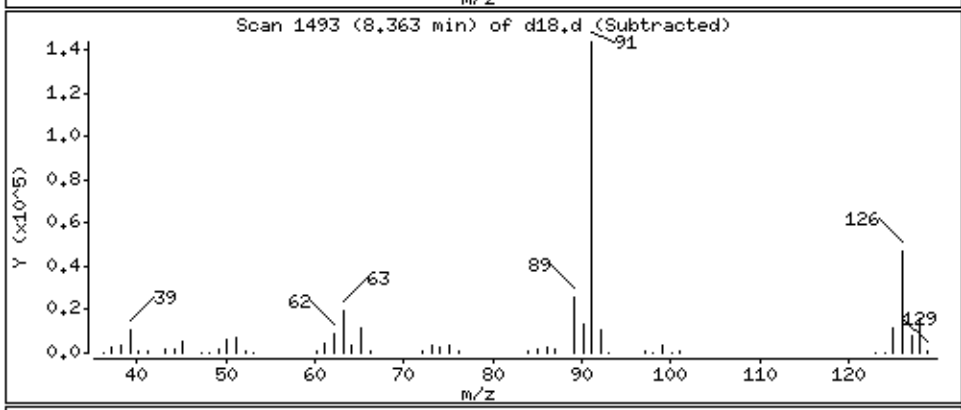
Column diameter: 0.18

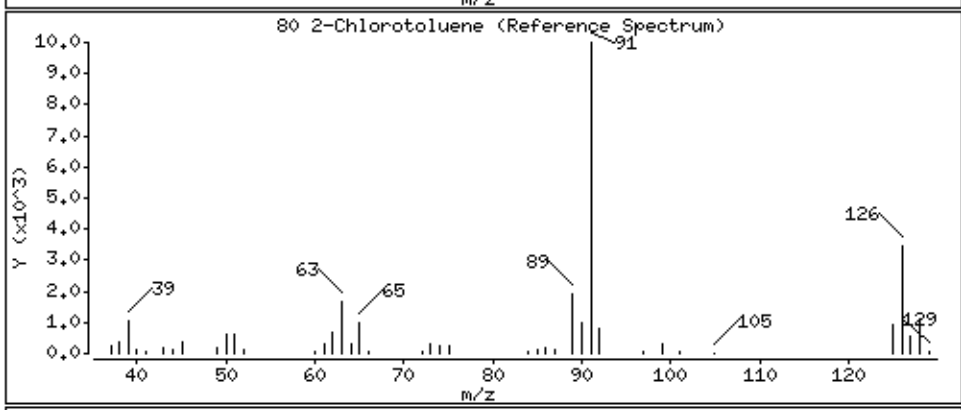
80 2-Chlorotoluene

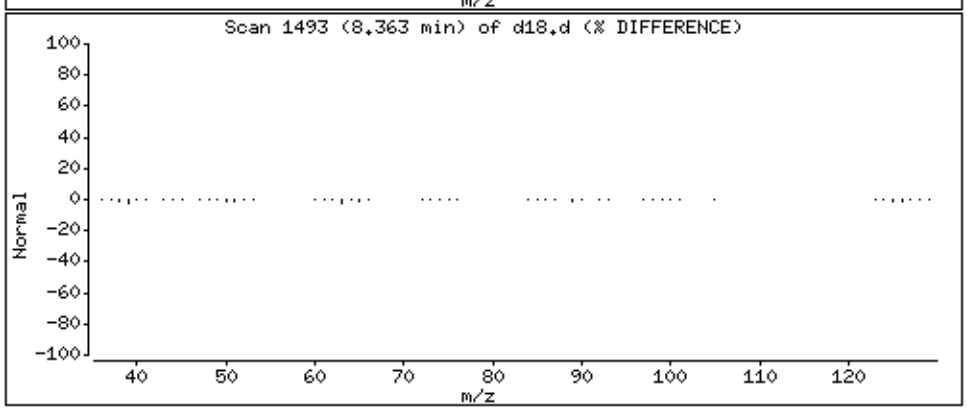
Concentration: 22.2 ppb

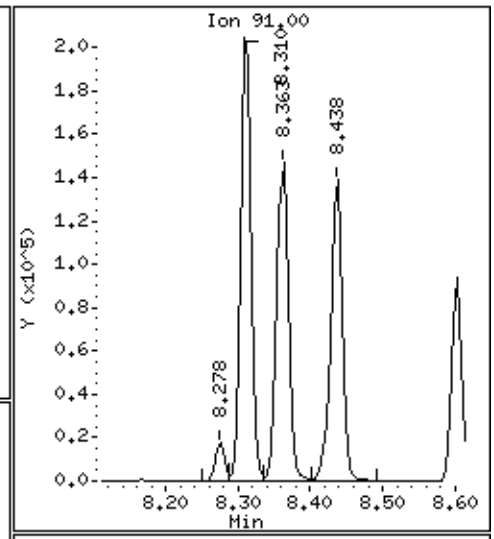
Review Code:

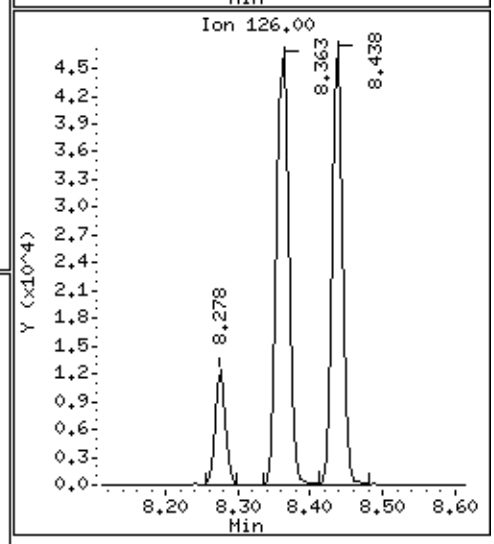












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

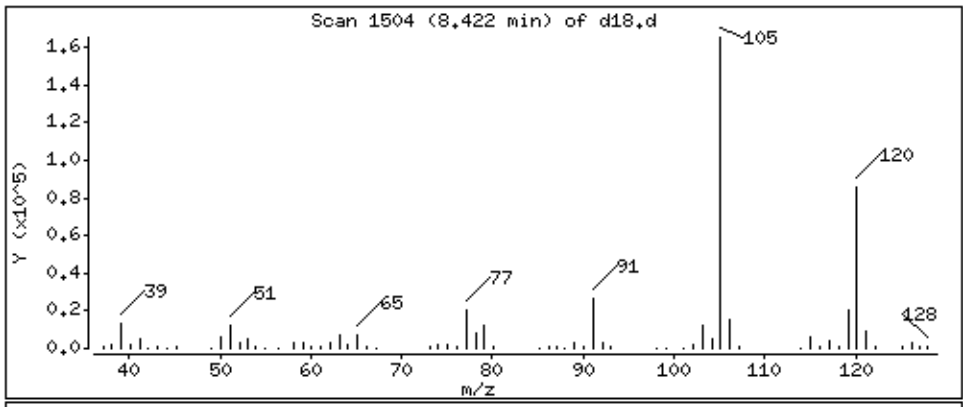
Column phase: DB-624

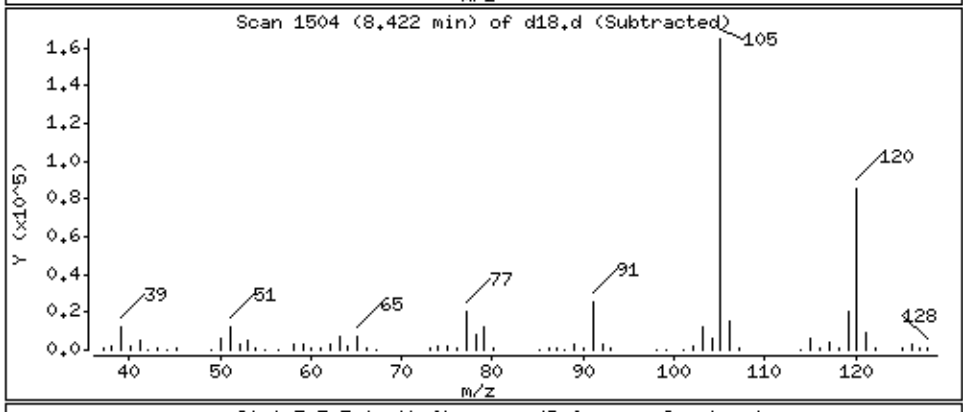
Column diameter: 0.18

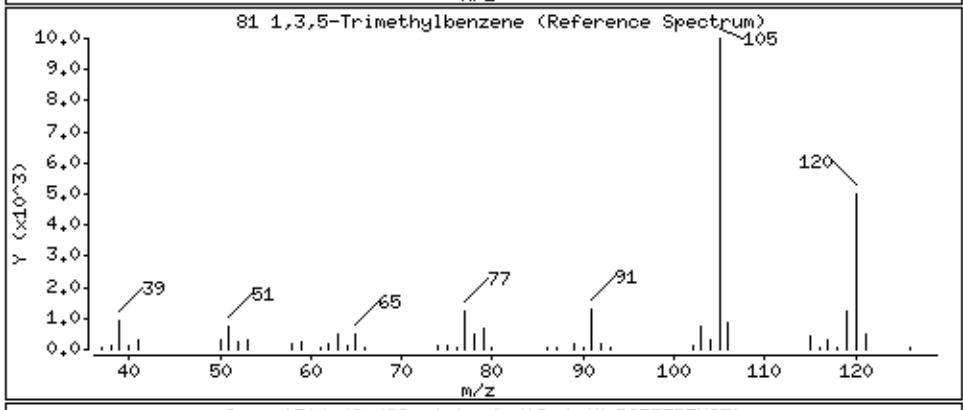
81 1,3,5-Trimethylbenzene

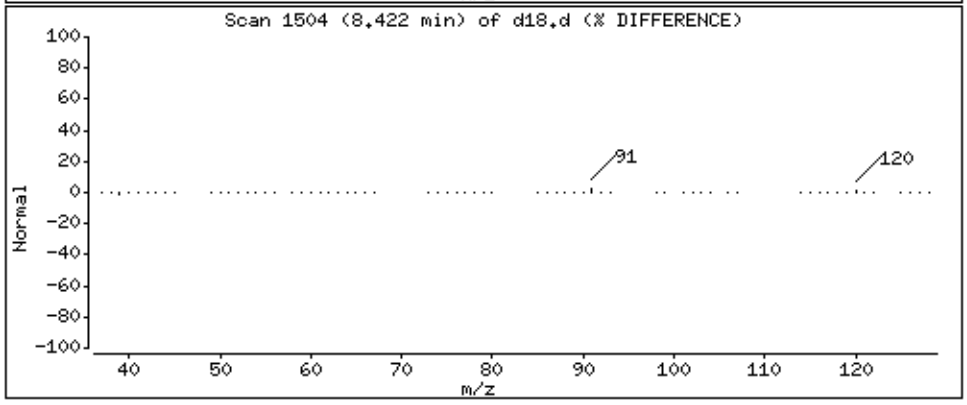
Concentration: 18.7 ppb

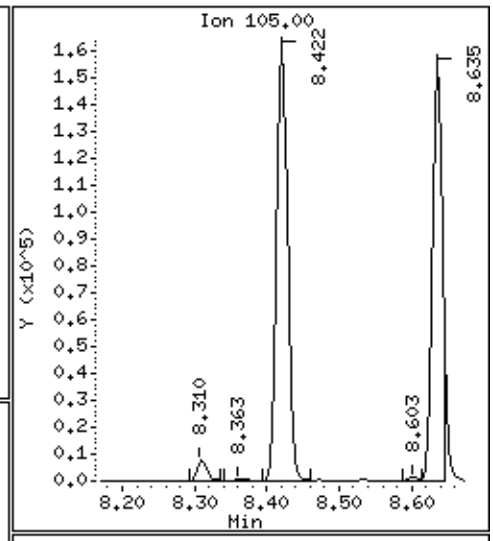
Review Code:

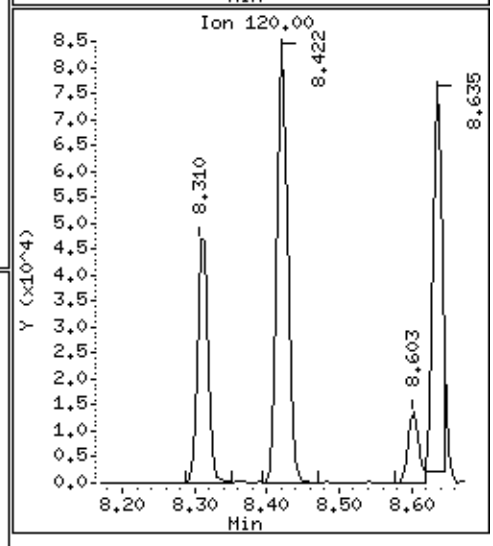












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

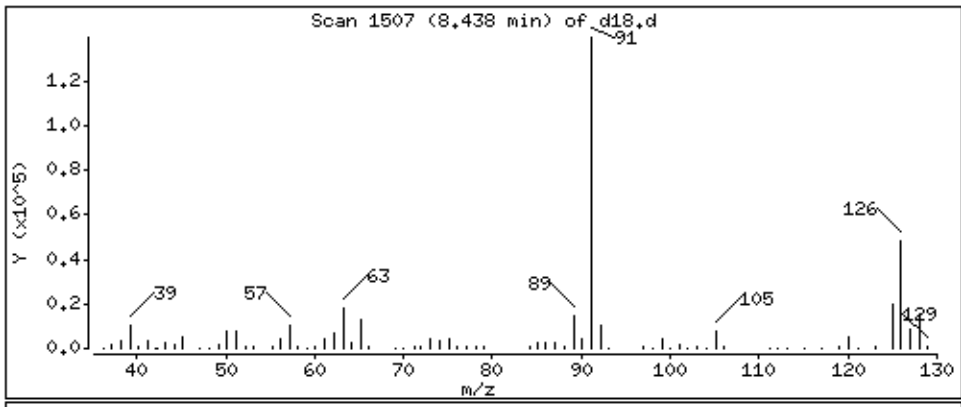
Column phase: DB-624

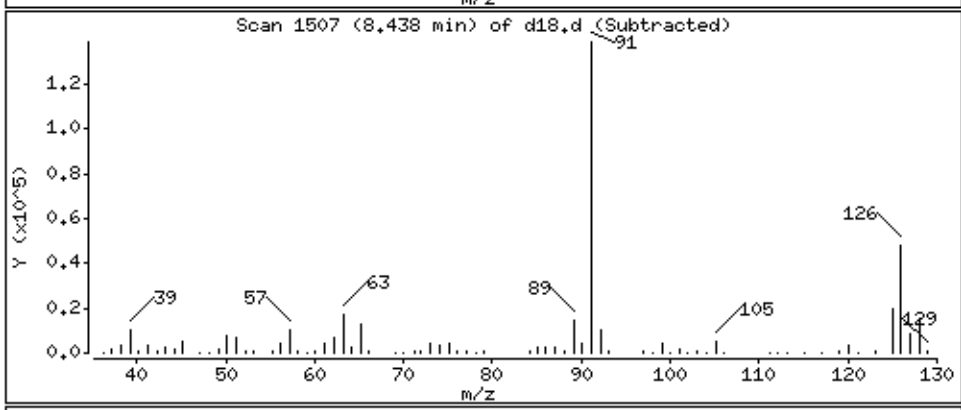
Column diameter: 0.18

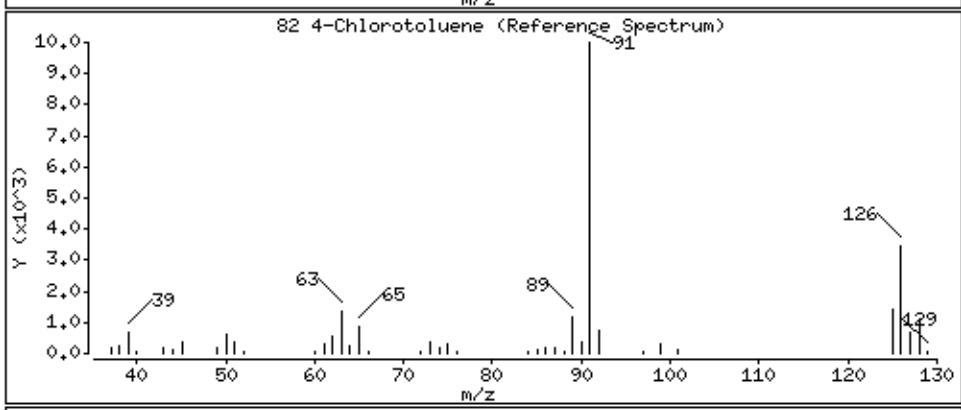
82 4-Chlorotoluene

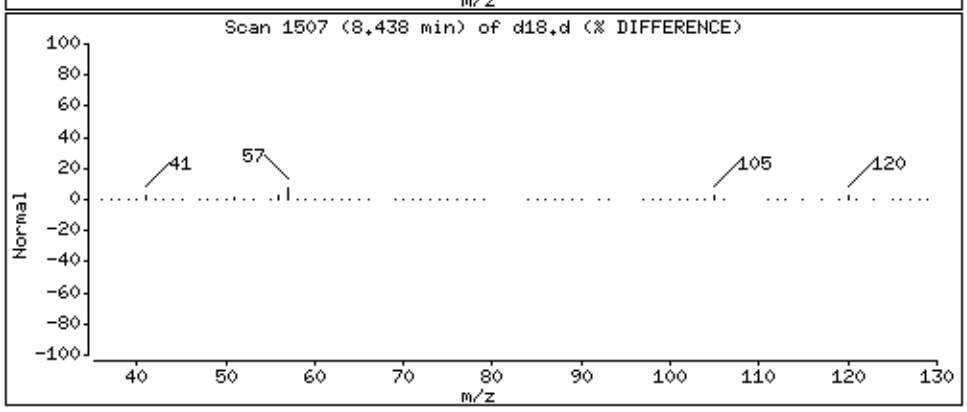
Concentration: 19.7 ppb

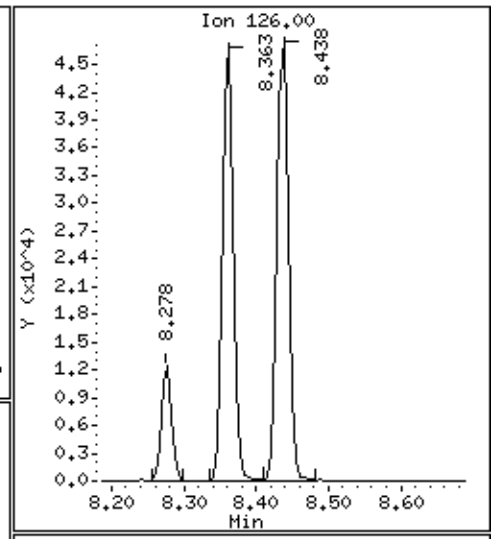
Review Code:

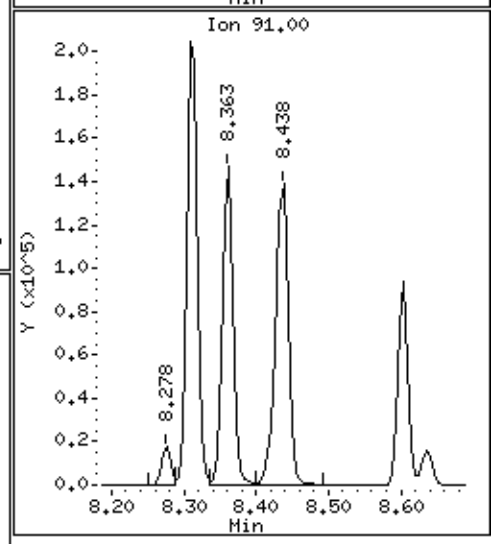












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

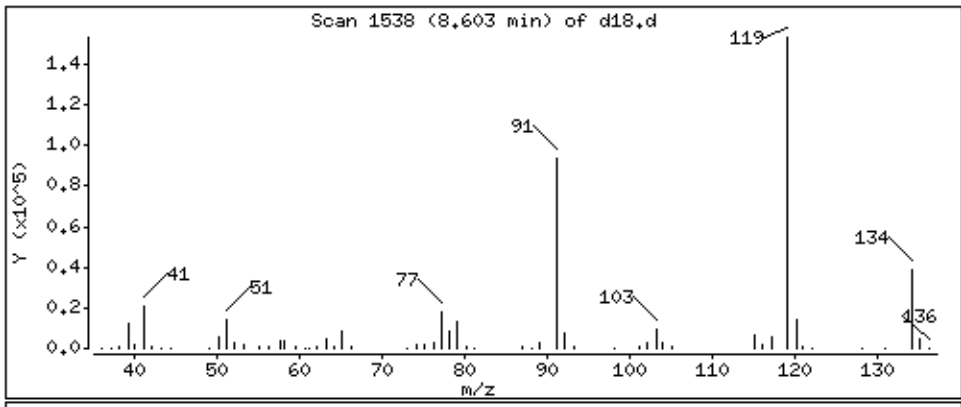
Column phase: DB-624

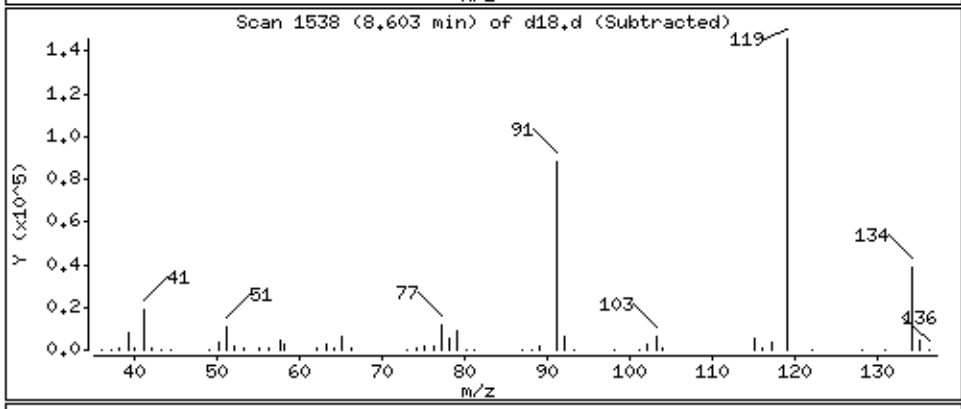
Column diameter: 0.18

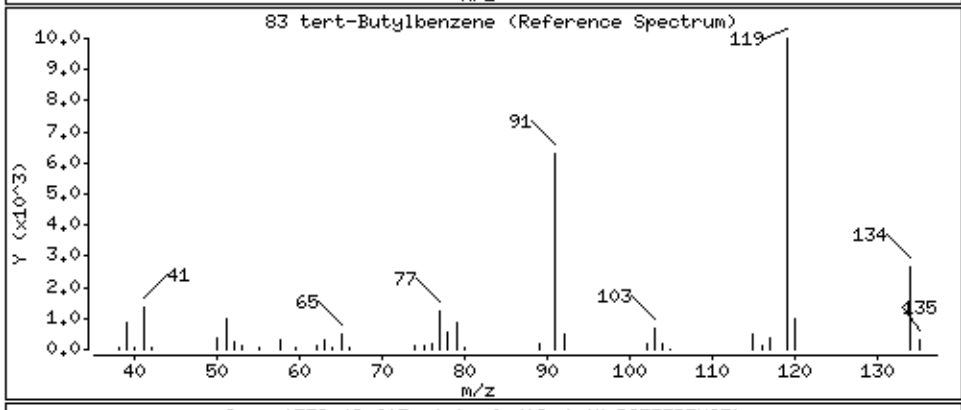
83 tert-Butylbenzene

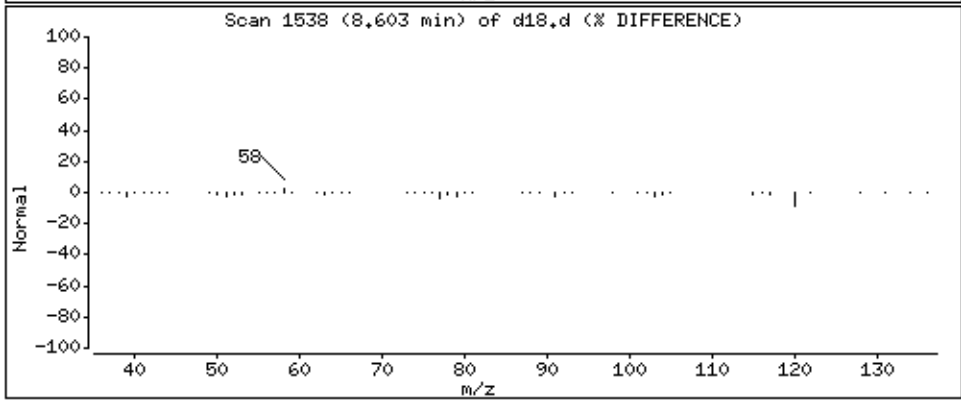
Concentration: 14.8 ppb

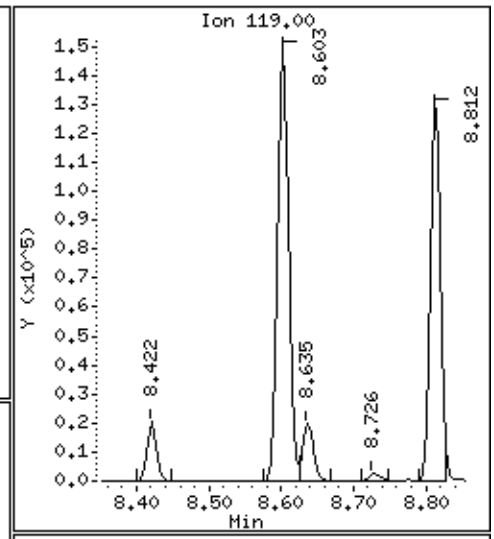
Review Code:

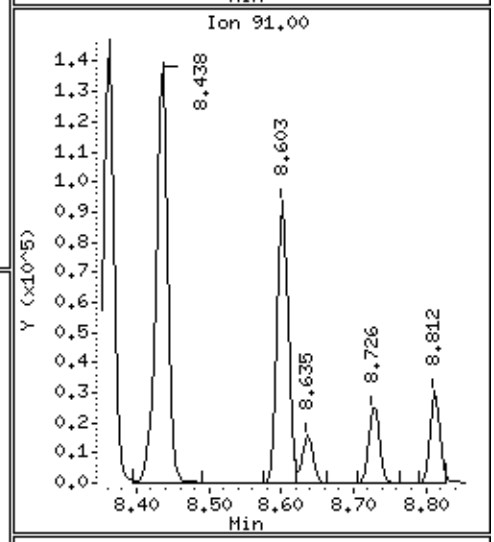


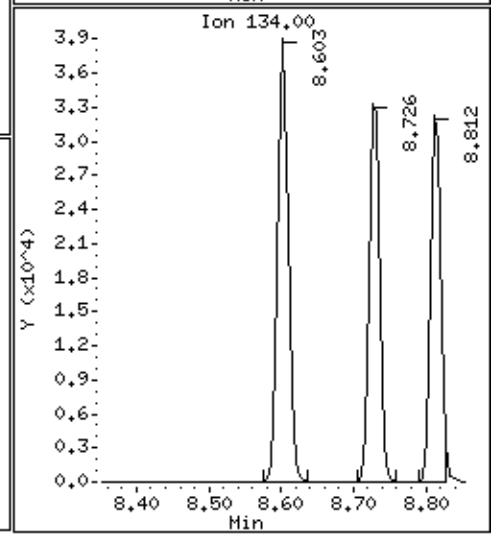












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

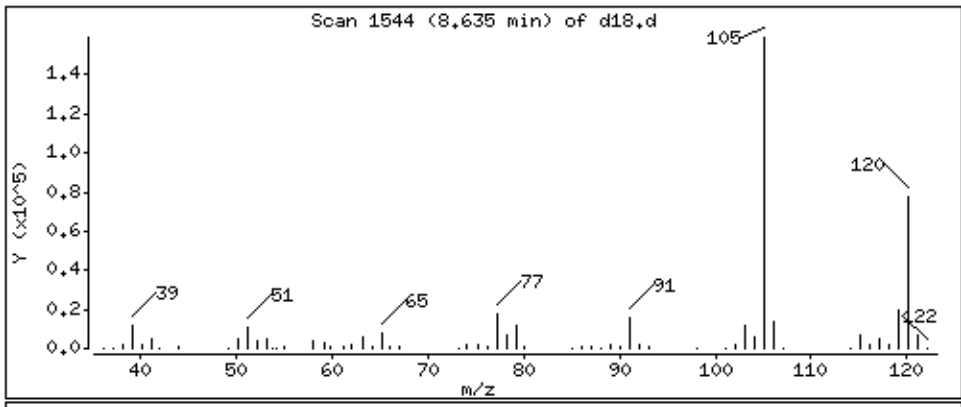
Column phase: DB-624

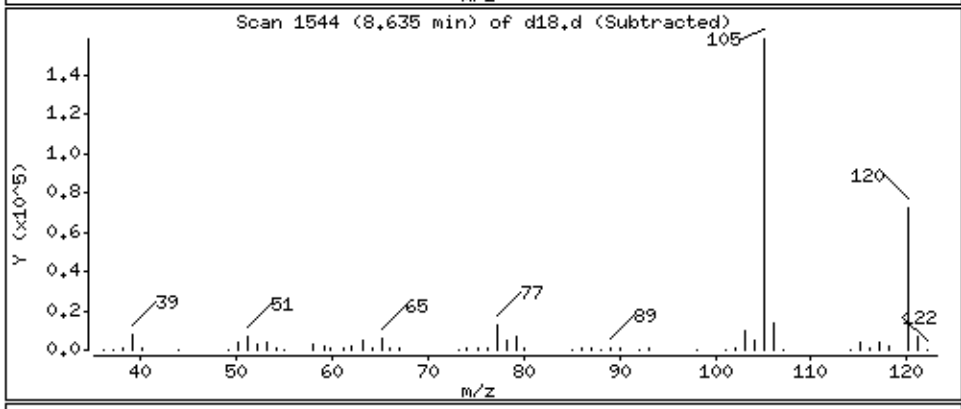
Column diameter: 0.18

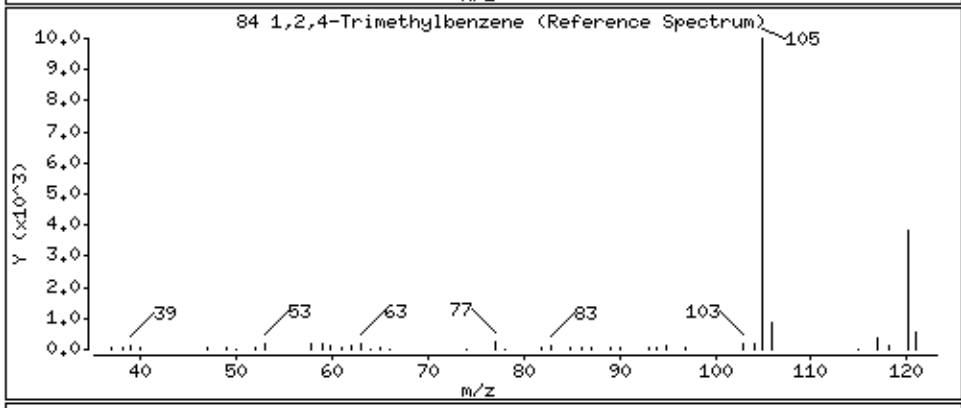
84 1,2,4-Trimethylbenzene

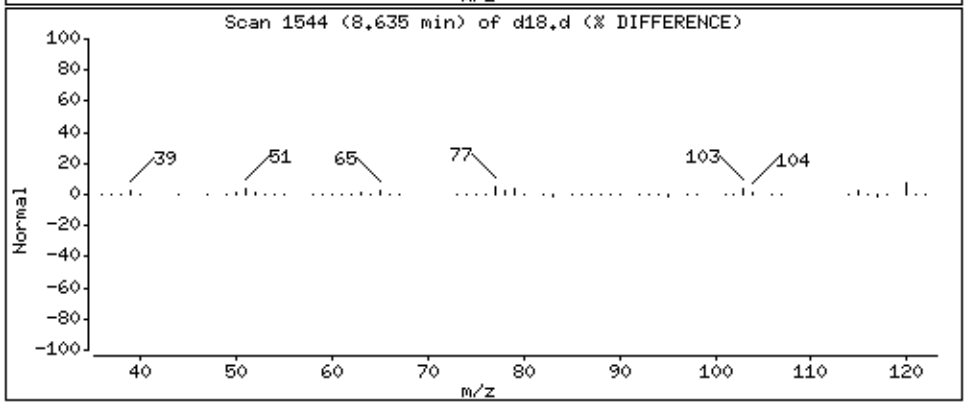
Concentration: 18.6 ppb

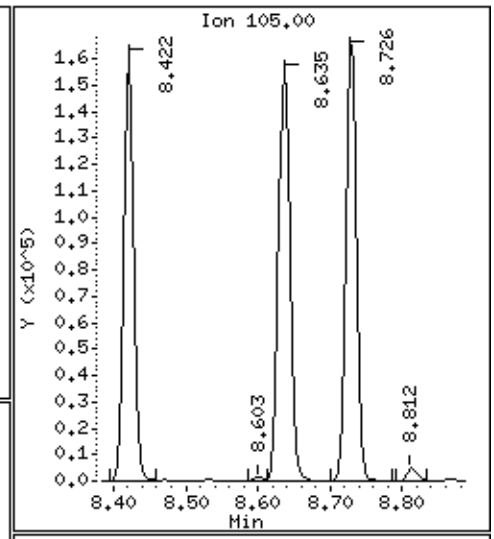
Review Code:

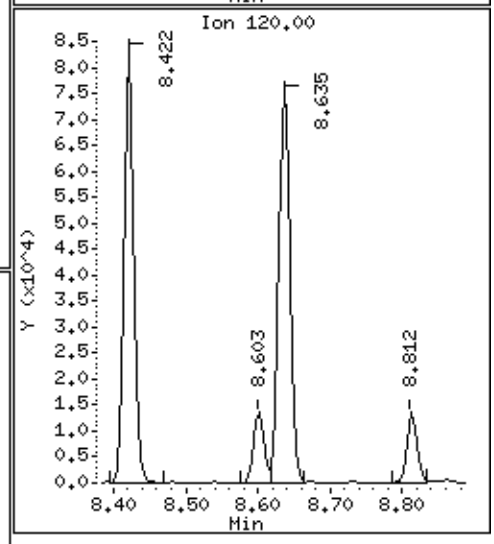












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

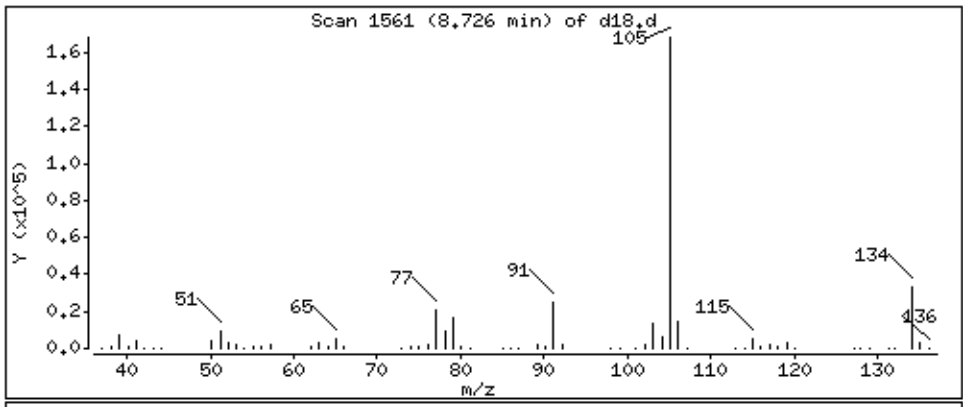
Column phase: DB-624

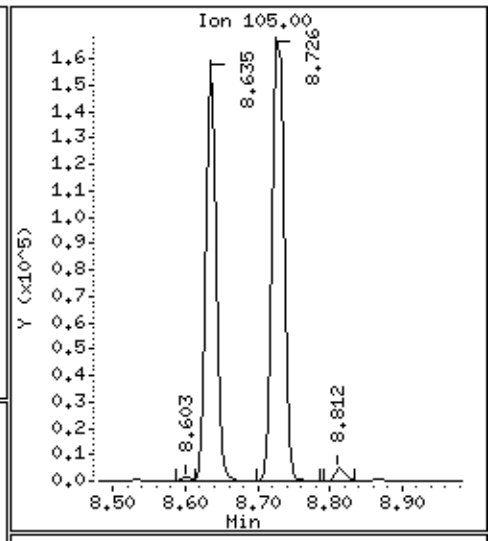
Column diameter: 0.18

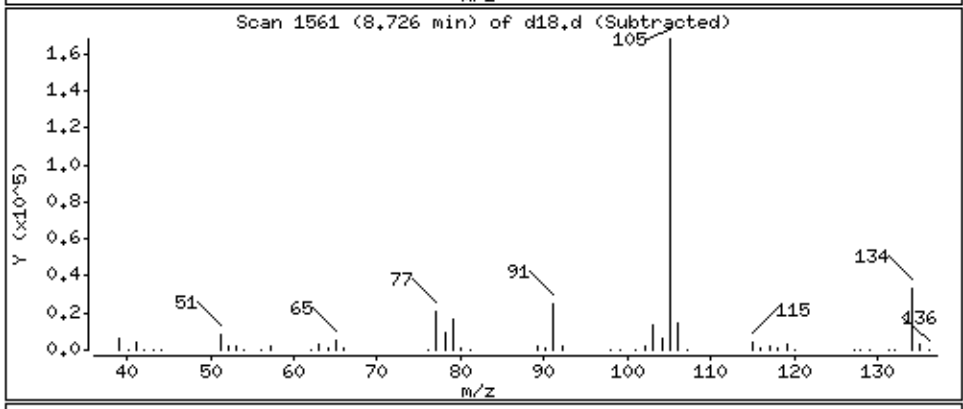
85 sec-Butylbenzene

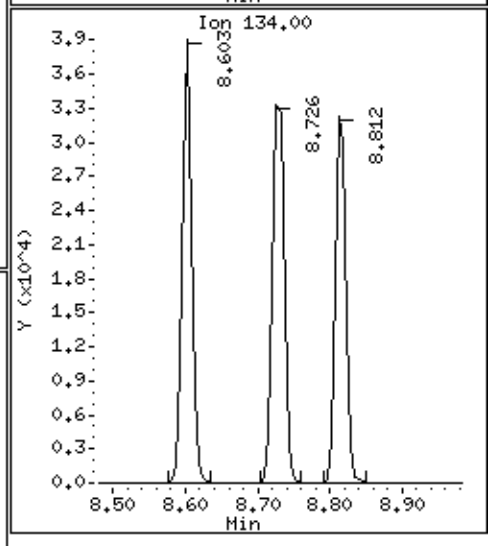
Concentration: 15.1 ppb

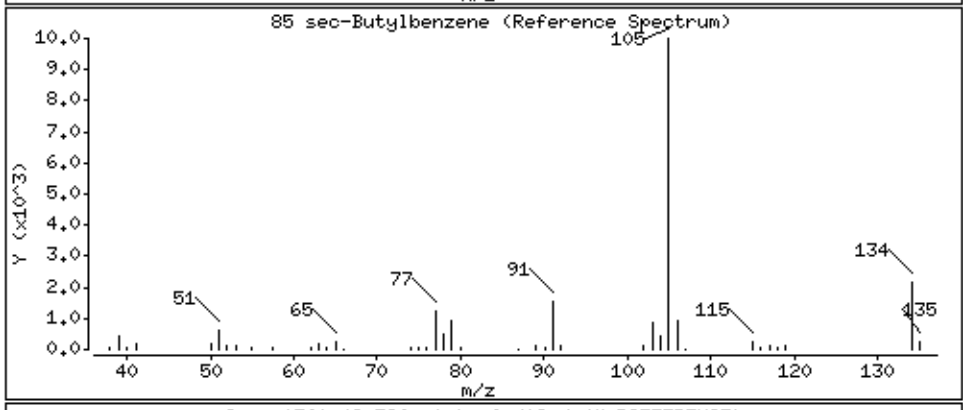
Review Code:

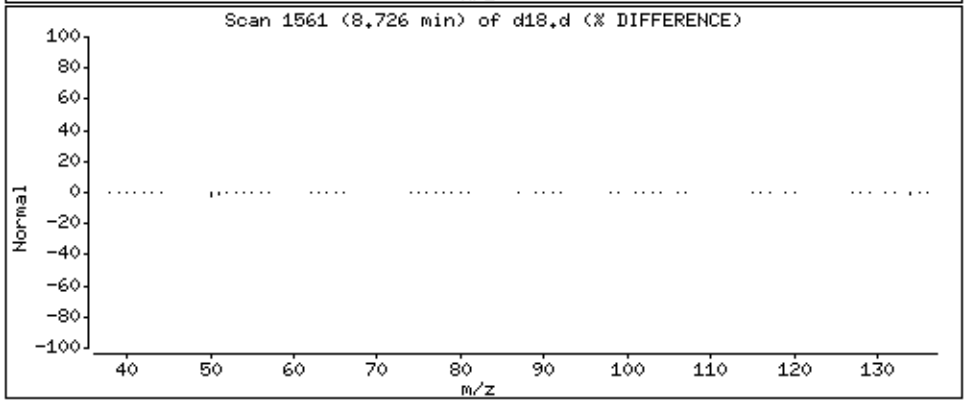












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

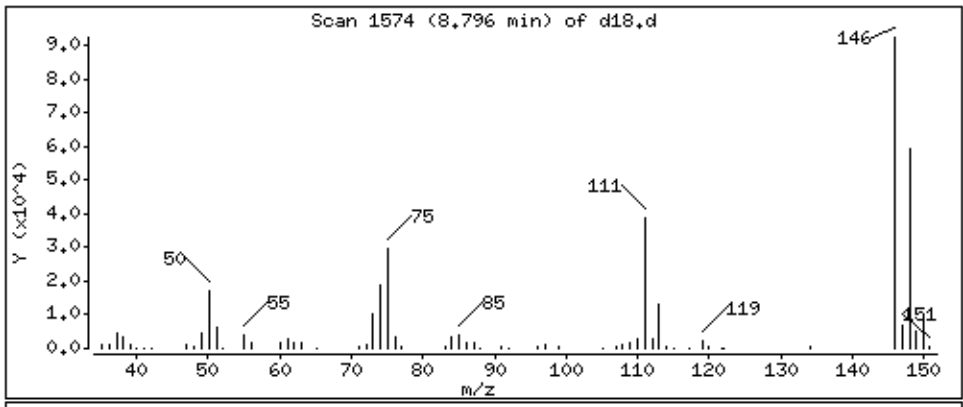
Column phase: DB-624

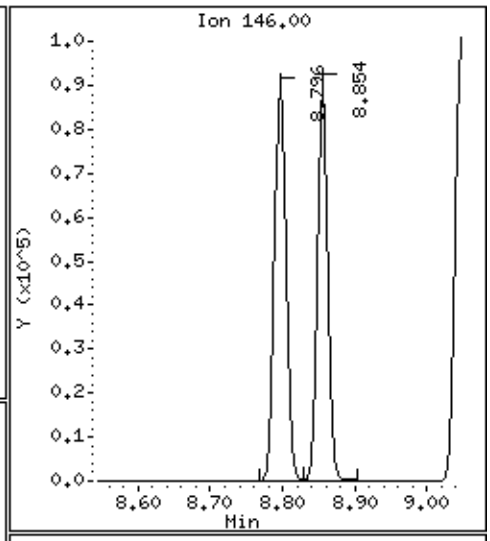
Column diameter: 0.18

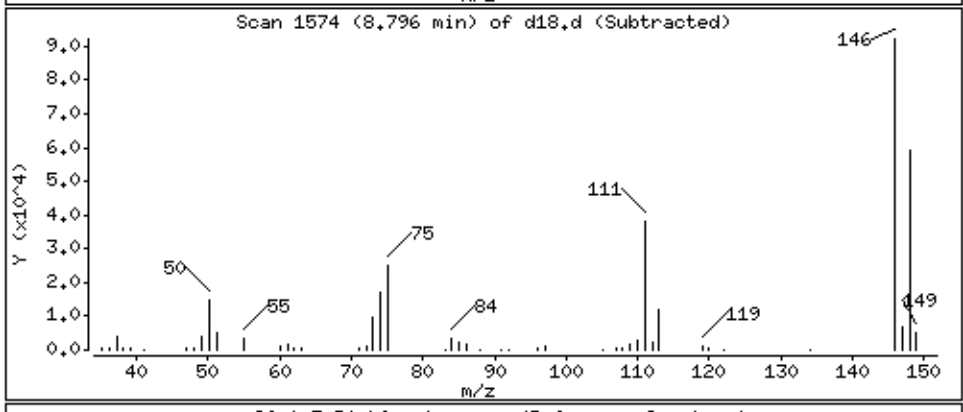
86 1,3-Dichlorobenzene

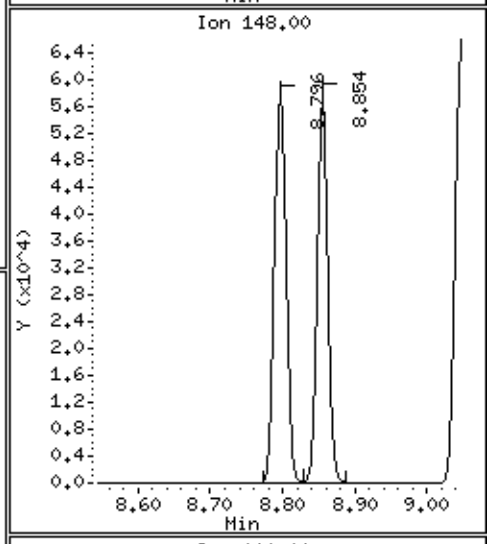
Concentration: 20.2 ppb

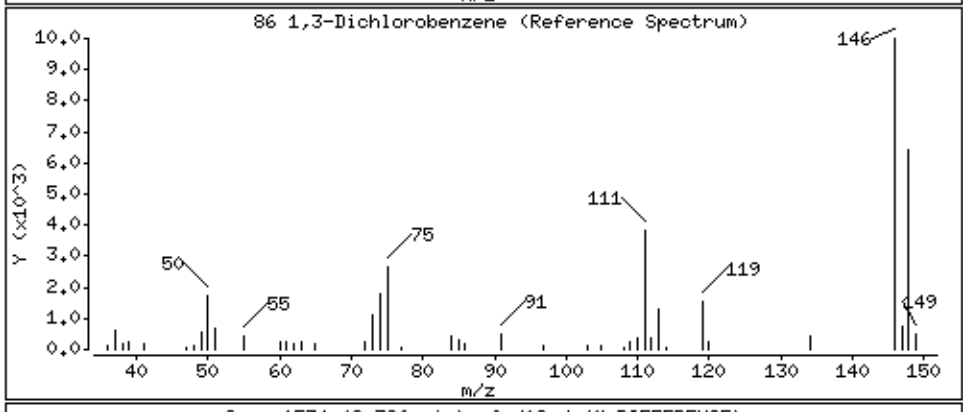
Review Code:

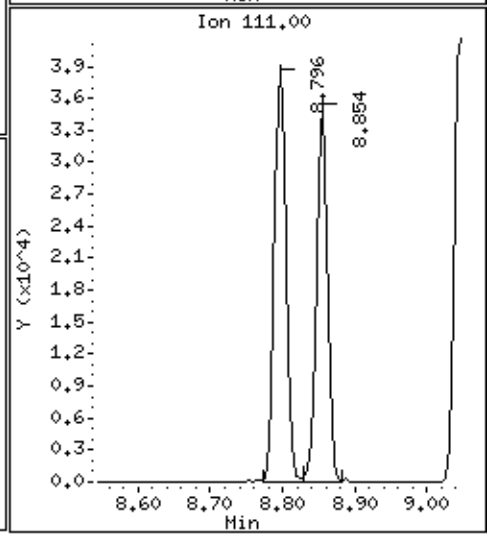


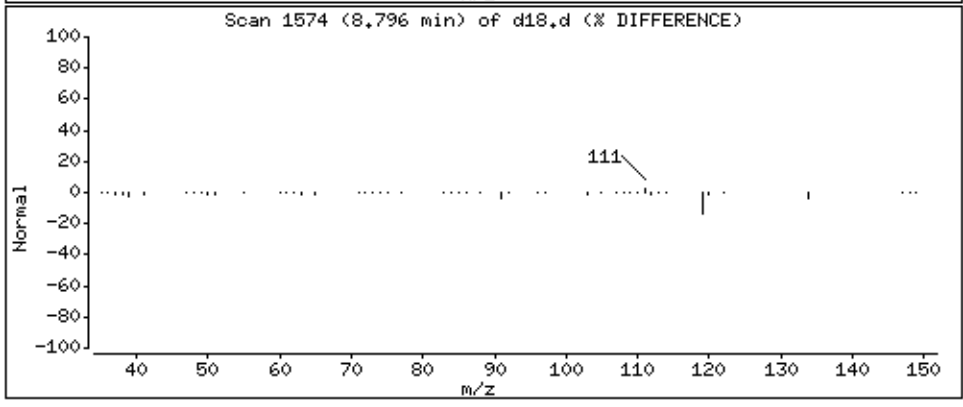












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

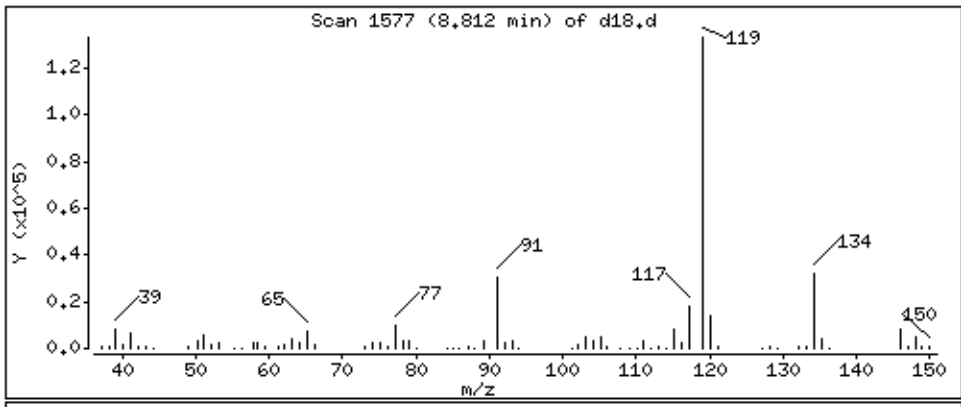
Column phase: DB-624

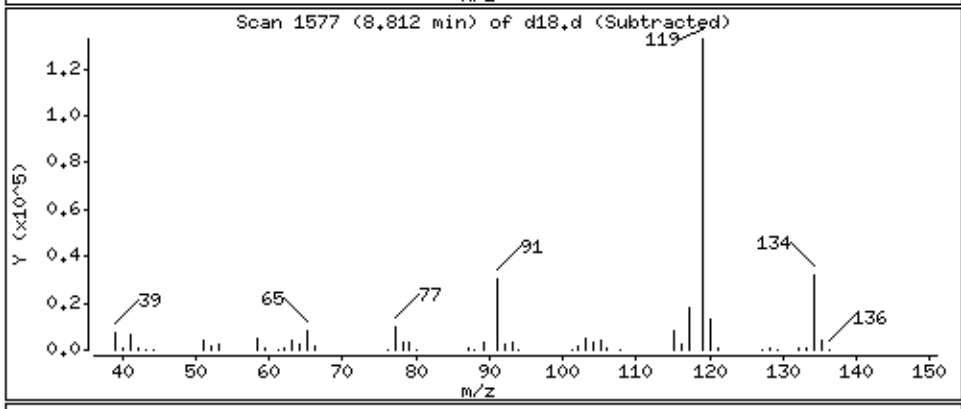
Column diameter: 0.18

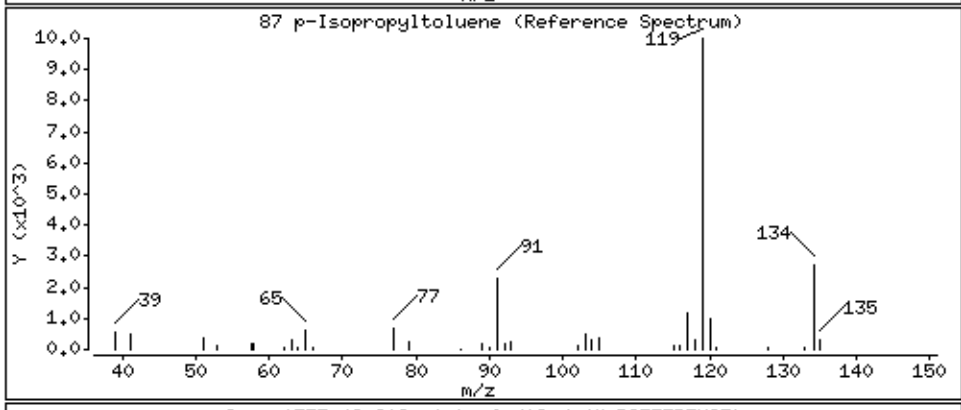
87 p-Isopropyltoluene

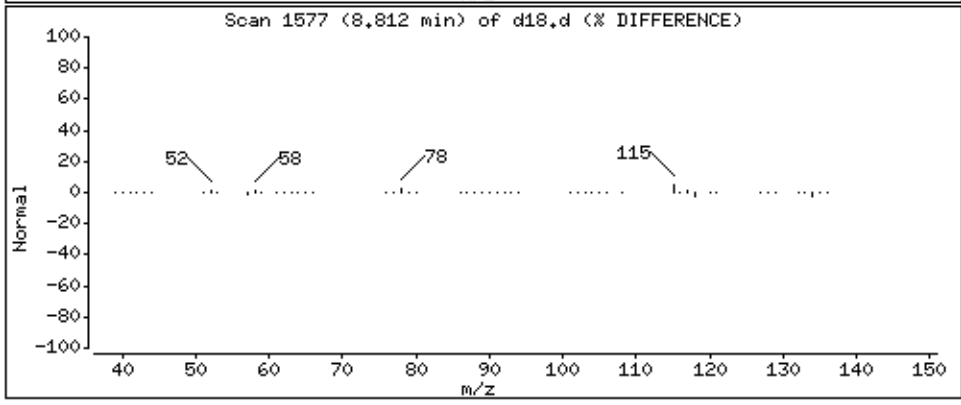
Concentration: 13.5 ppb

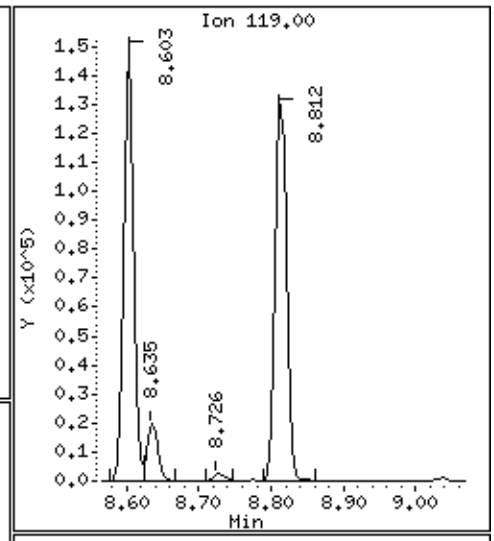
Review Code:

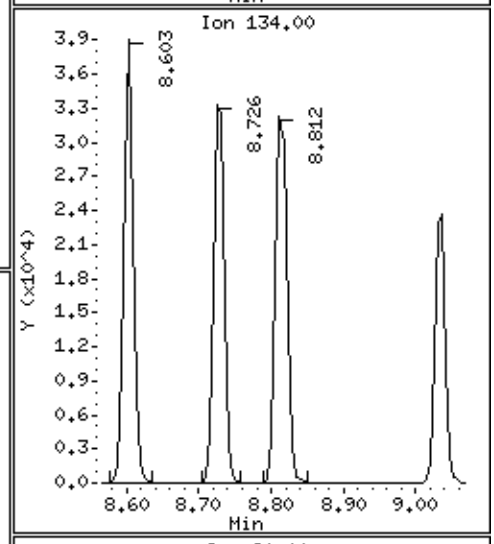


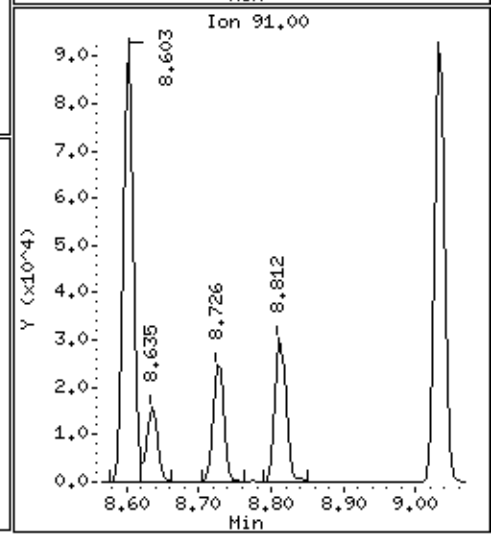












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Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

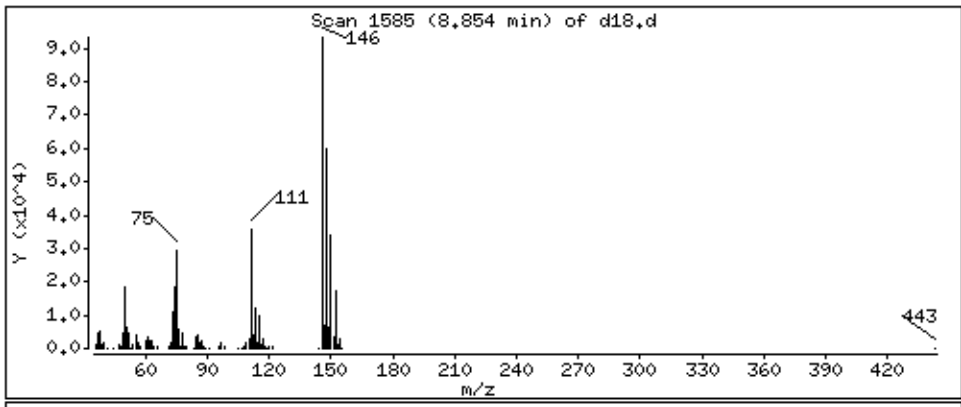
Column phase: DB-624

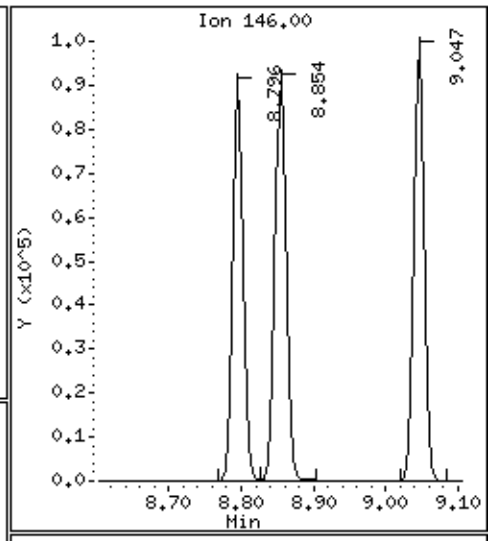
Column diameter: 0.18

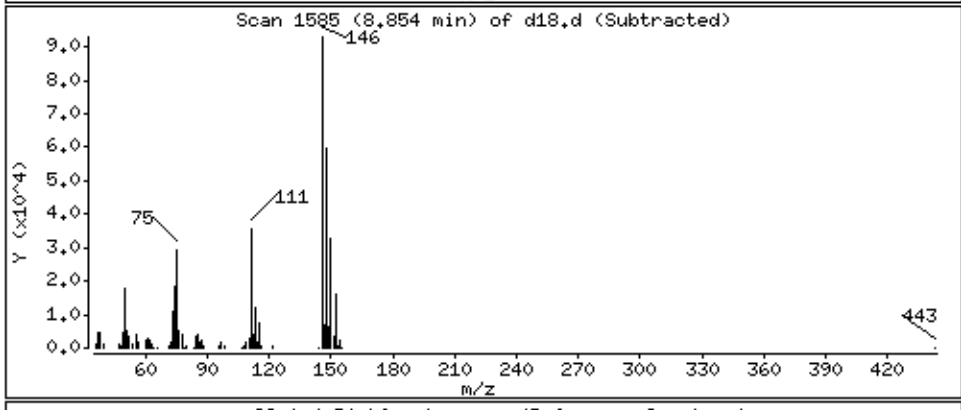
89 1,4-Dichlorobenzene

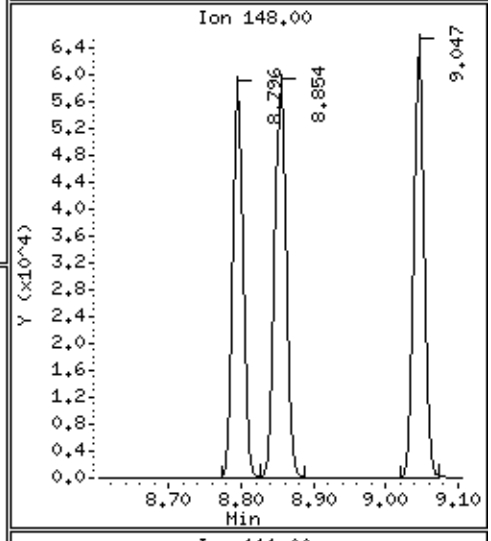
Concentration: 19.2 ppb

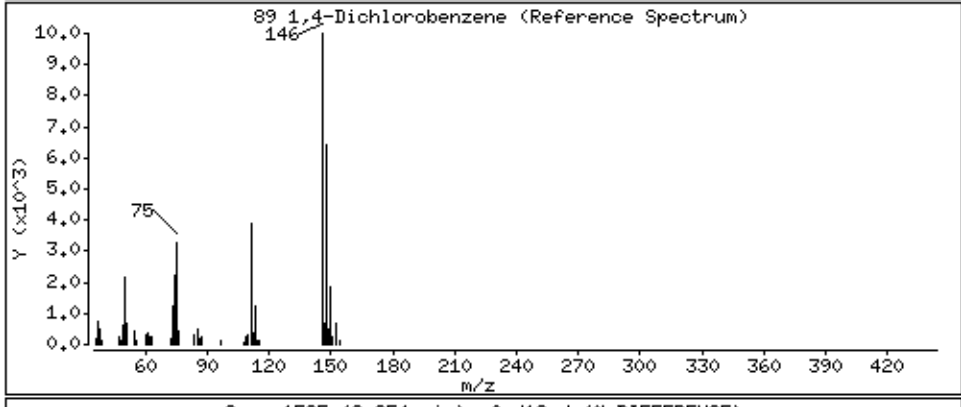
Review Code:

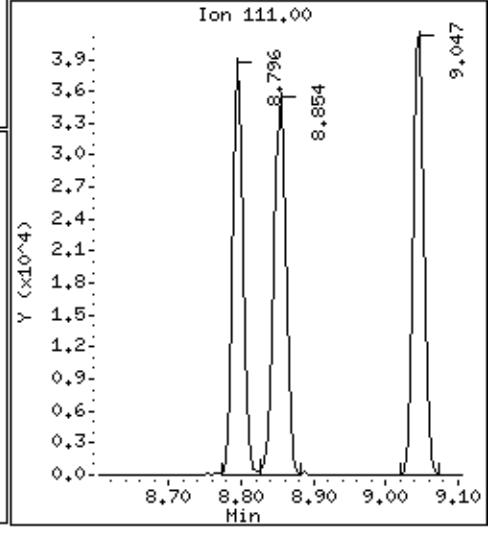


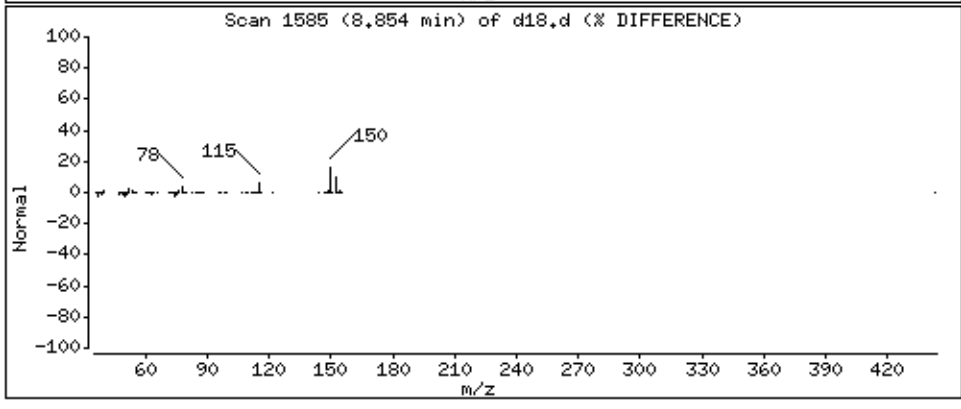












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

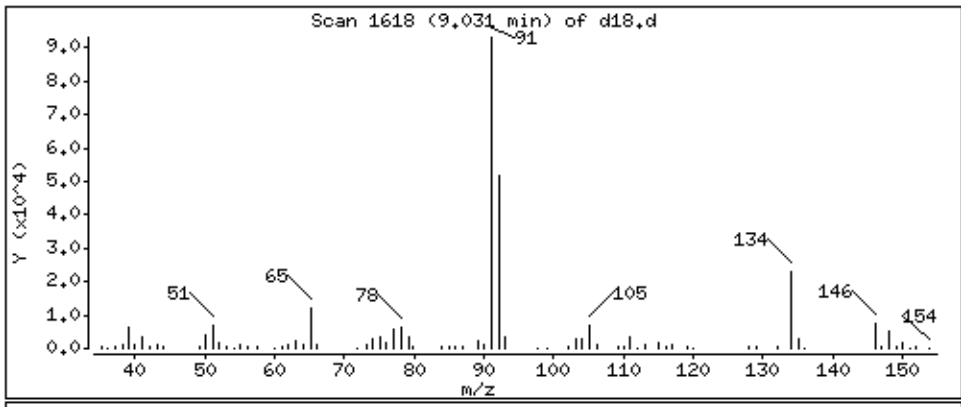
Column phase: DB-624

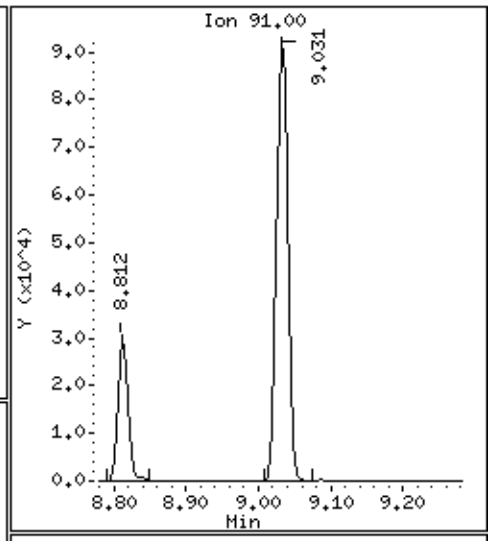
Column diameter: 0.18

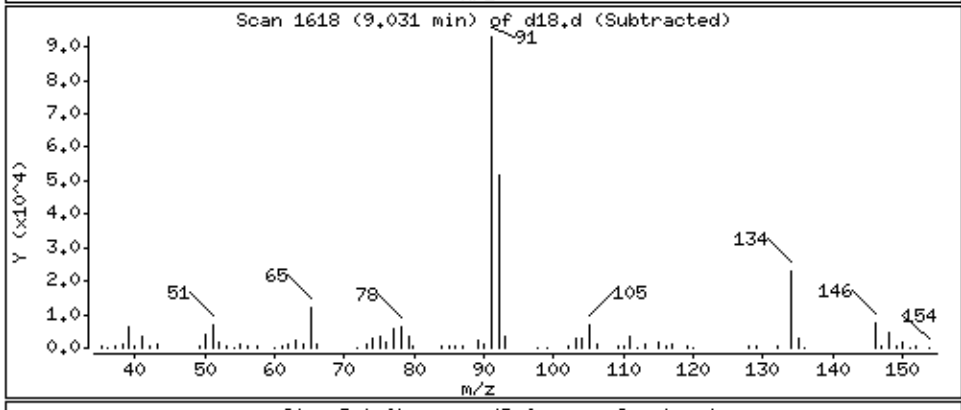
90 n-Butylbenzene

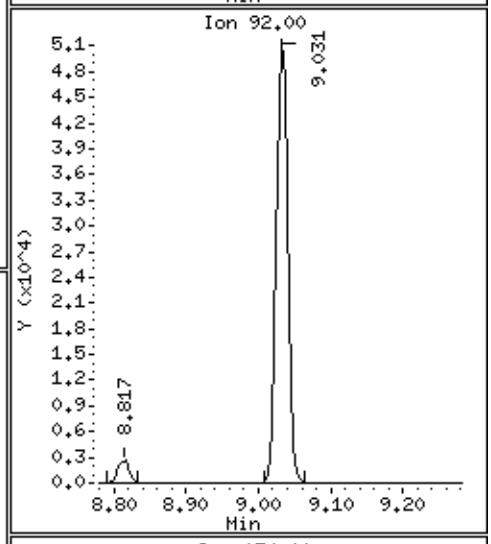
Concentration: 10.4 ppb

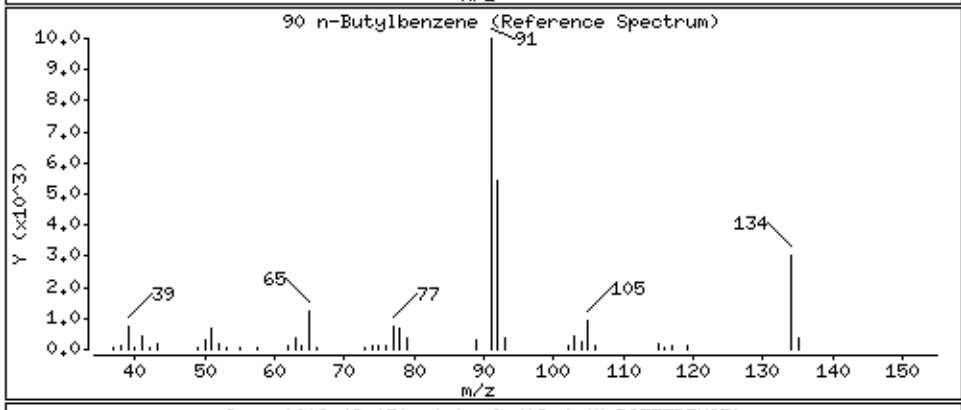
Review Code:

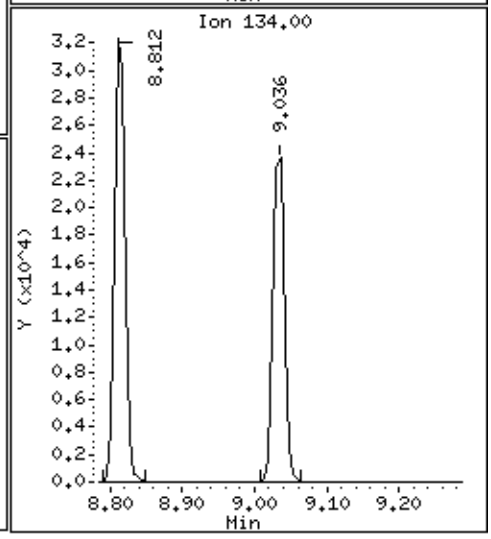


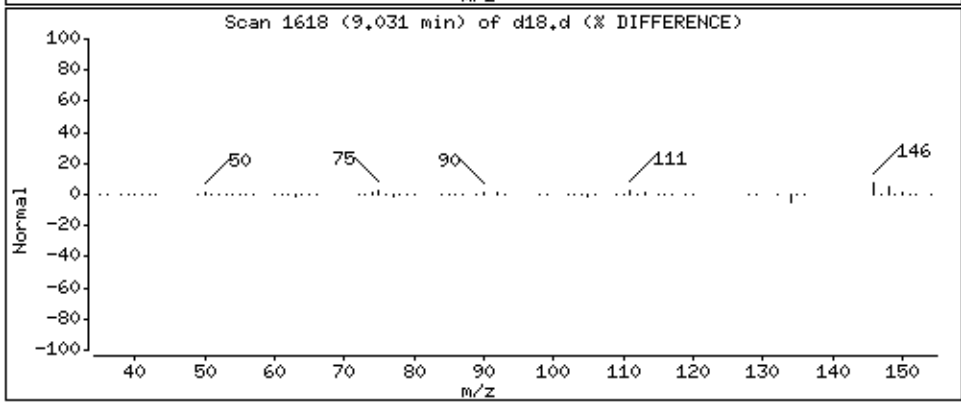












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

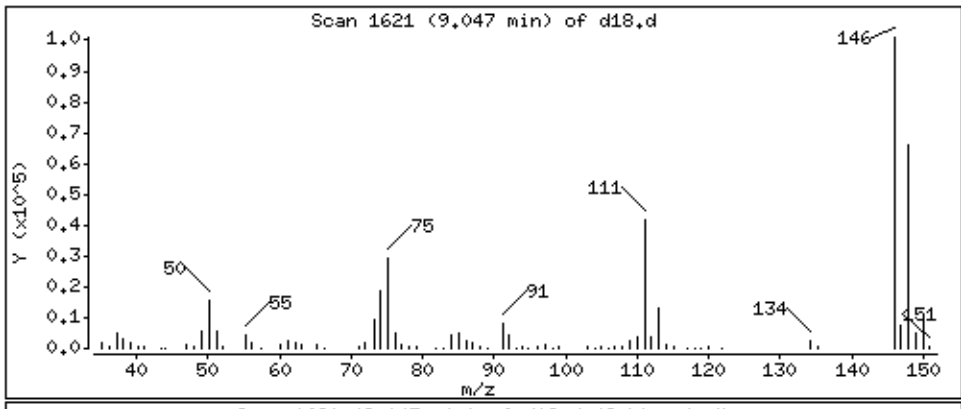
Column phase: DB-624

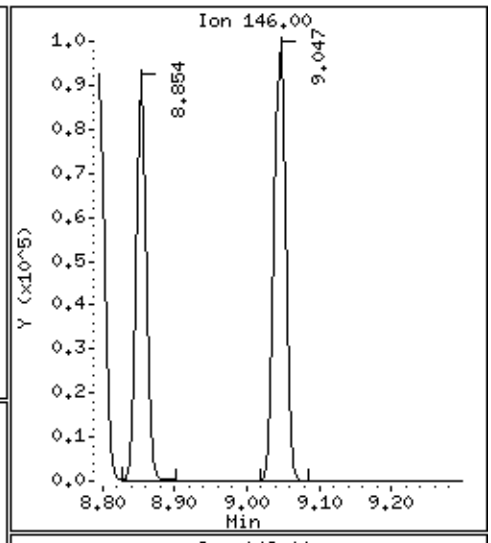
Column diameter: 0.18

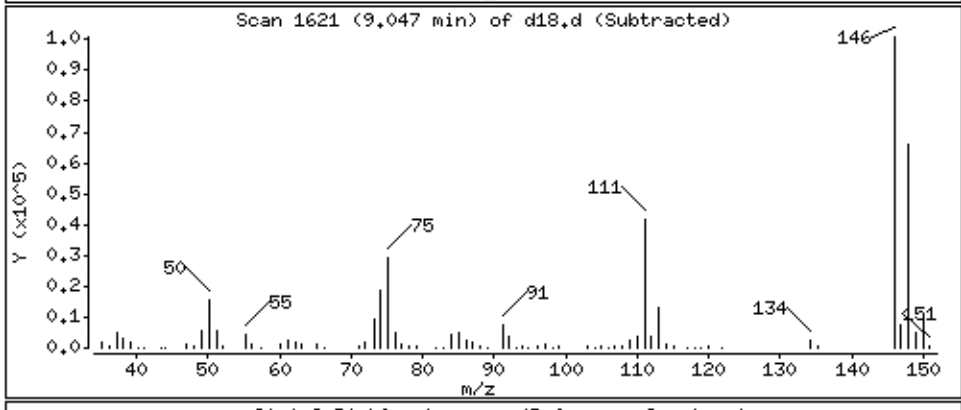
91 1,2-Dichlorobenzene

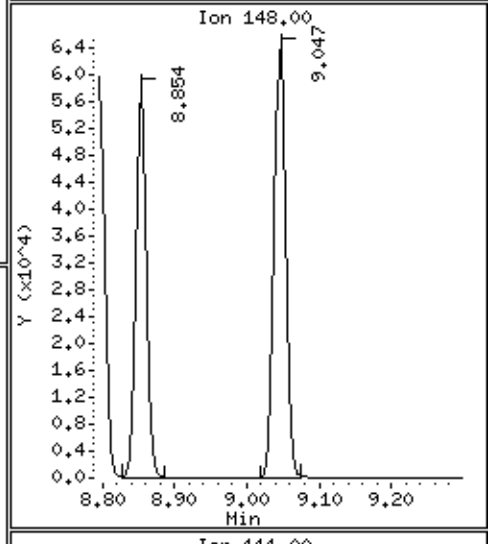
Concentration: 24.4 ppb

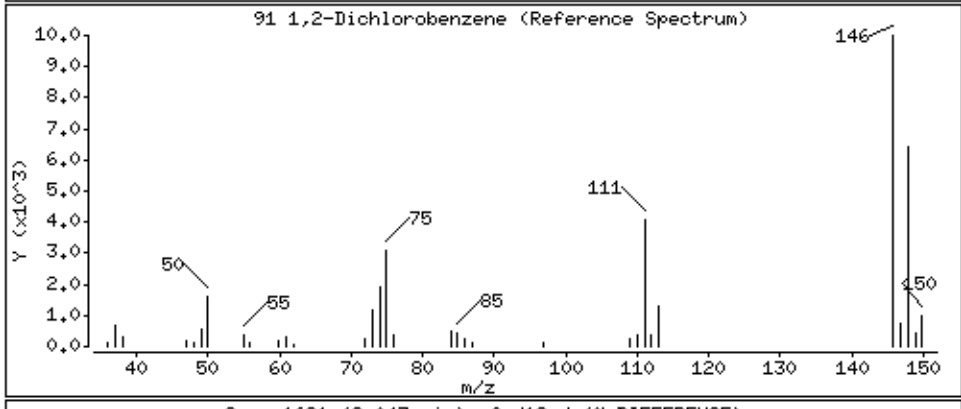
Review Code:

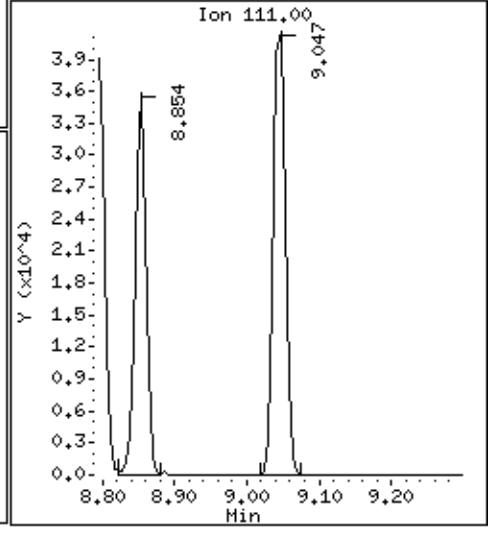


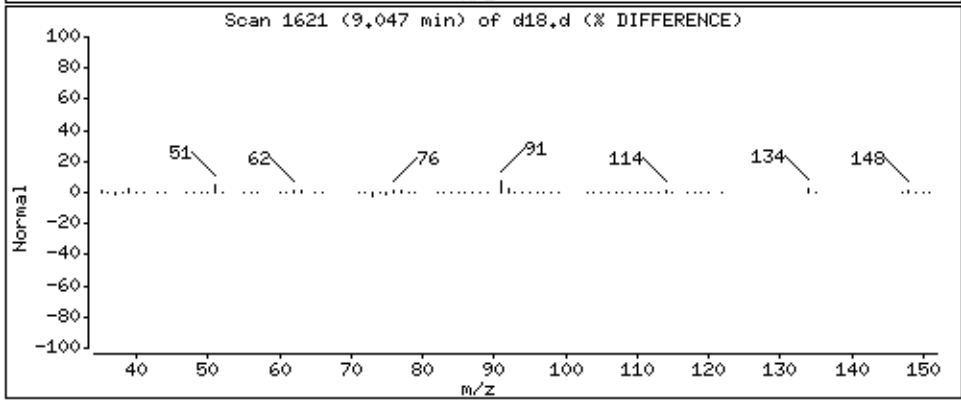












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Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

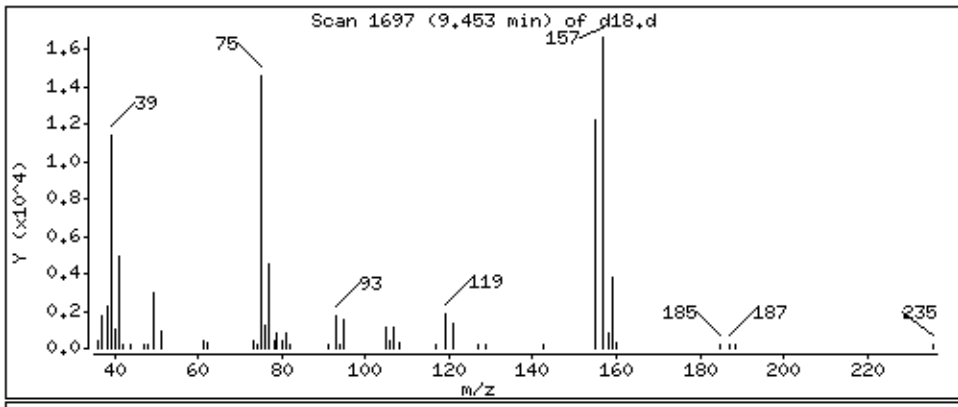
Column phase: DB-624

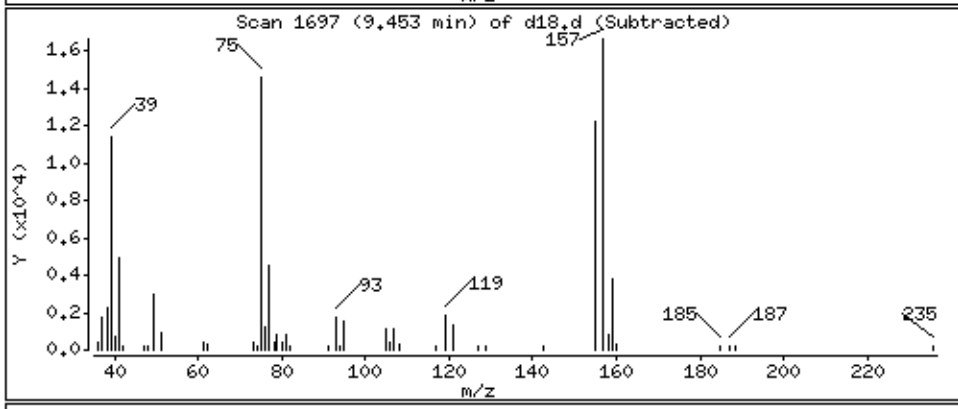
Column diameter: 0.18

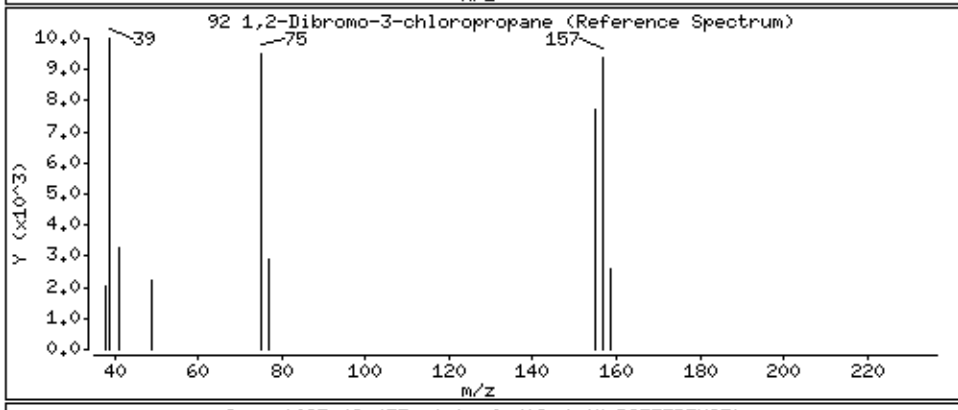
92 1,2-Dibromo-3-chloropropane

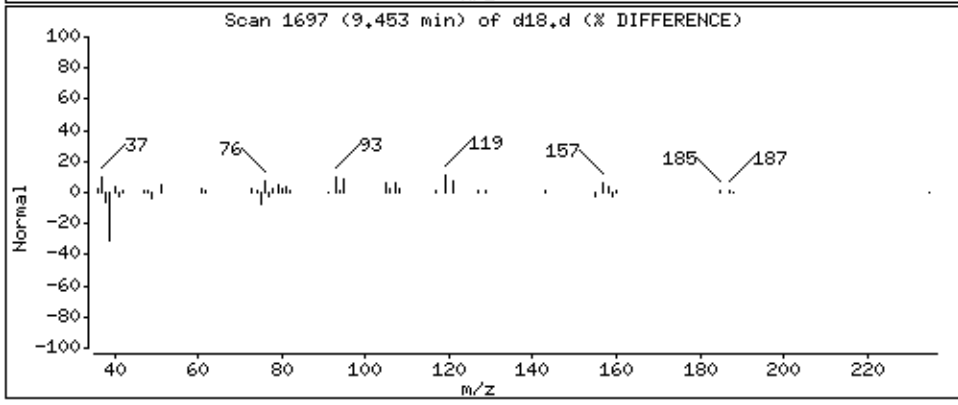
Concentration: 53.5 ppb

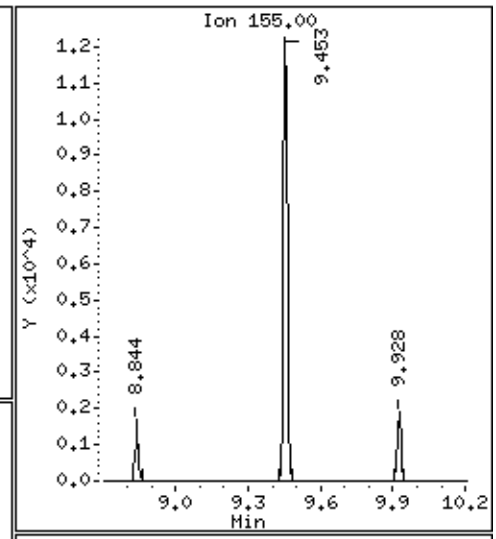
Review Code:

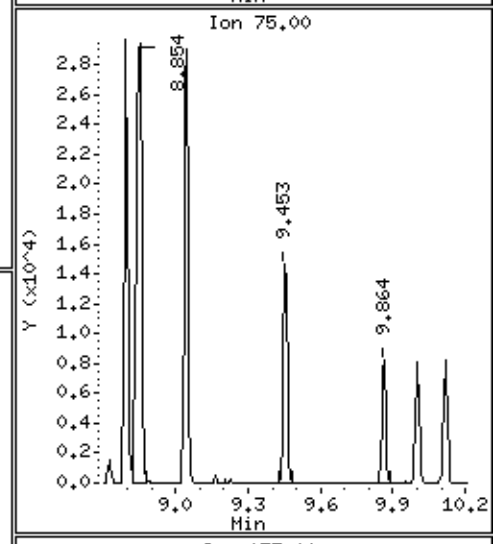


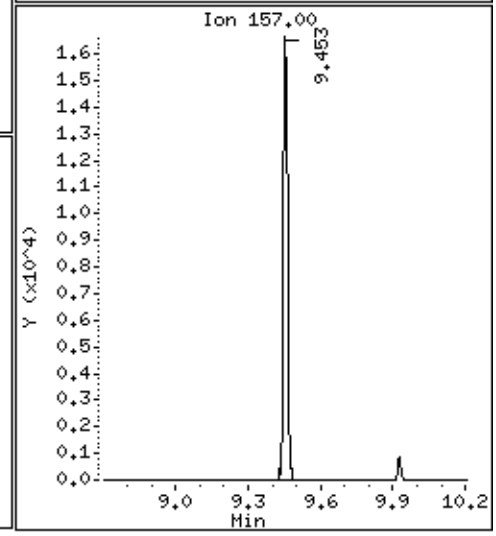












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Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

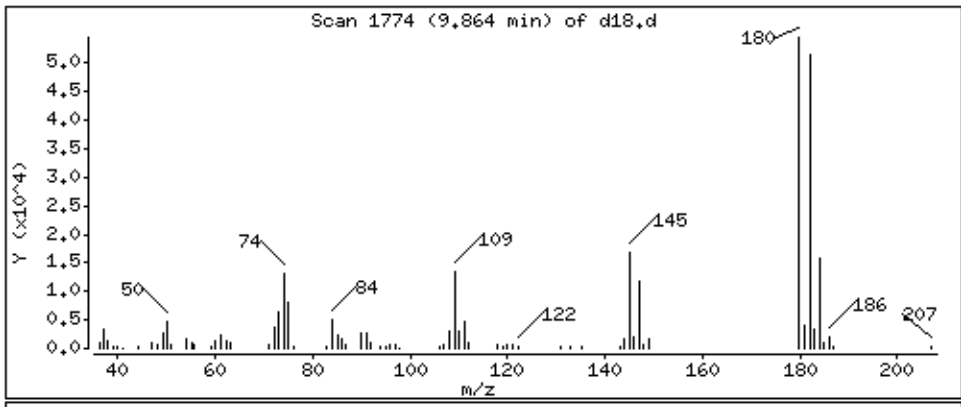
Column phase: DB-624

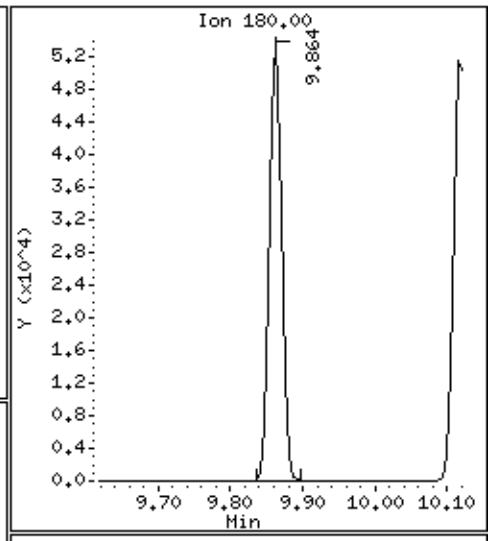
Column diameter: 0.18

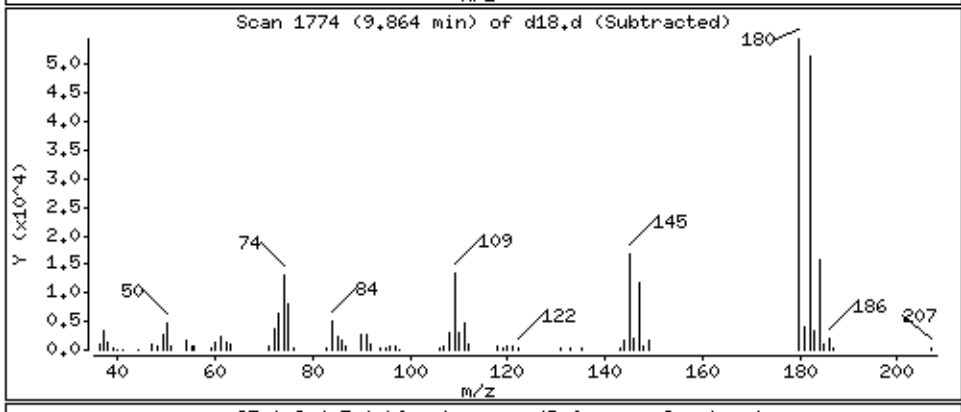
93 1,2,4-Trichlorobenzene

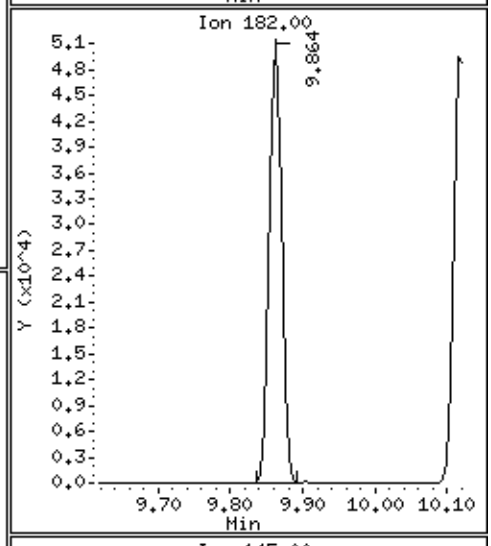
Concentration: 21.3 ppb

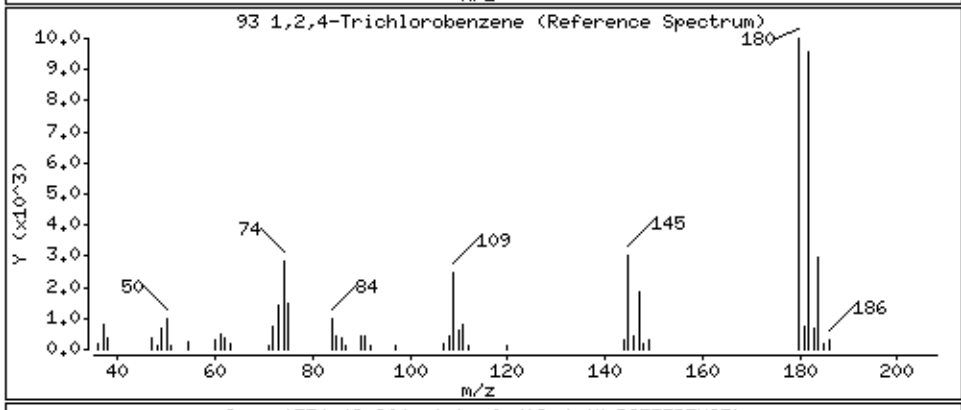
Review Code:

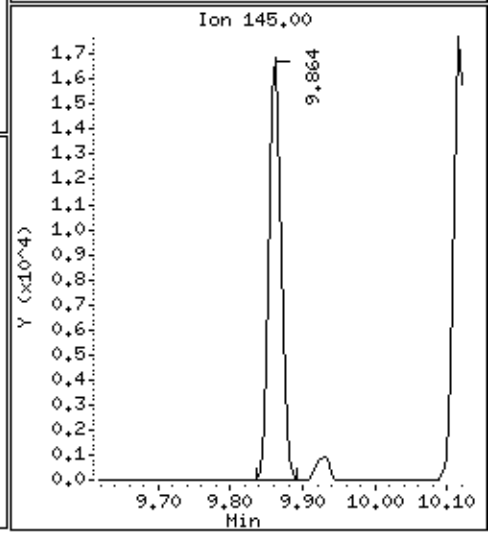


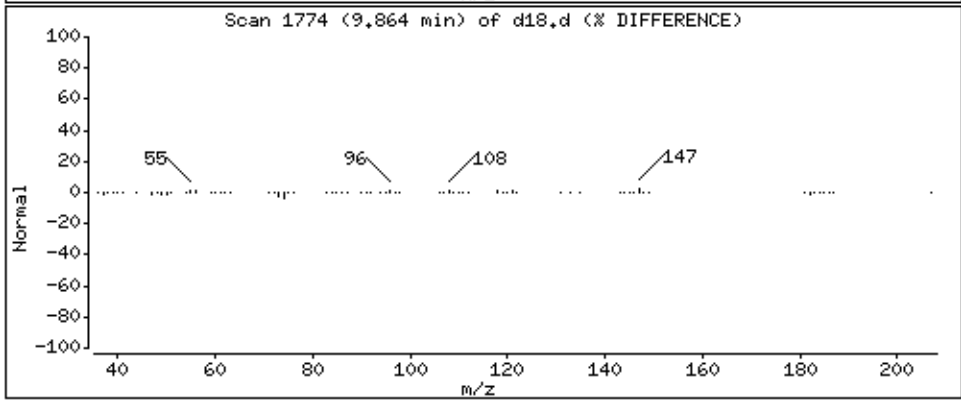












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

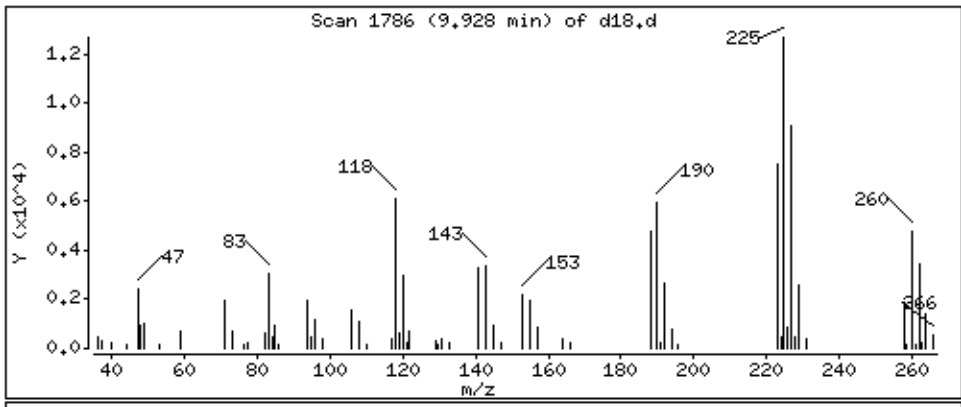
Column phase: DB-624

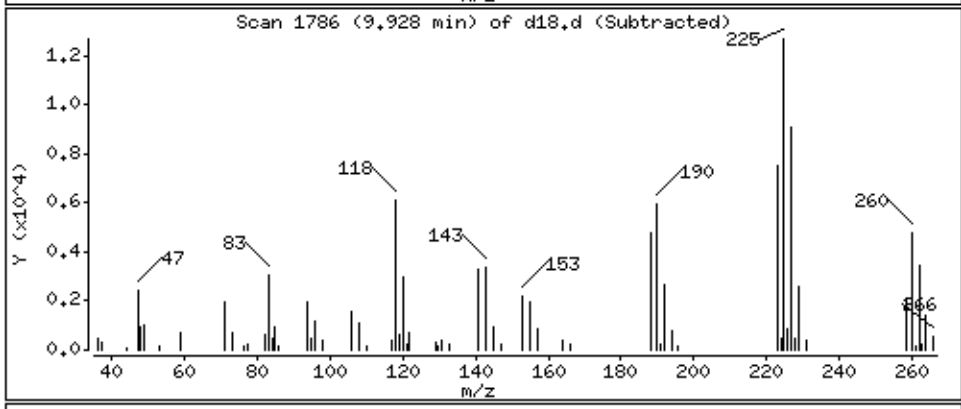
Column diameter: 0.18

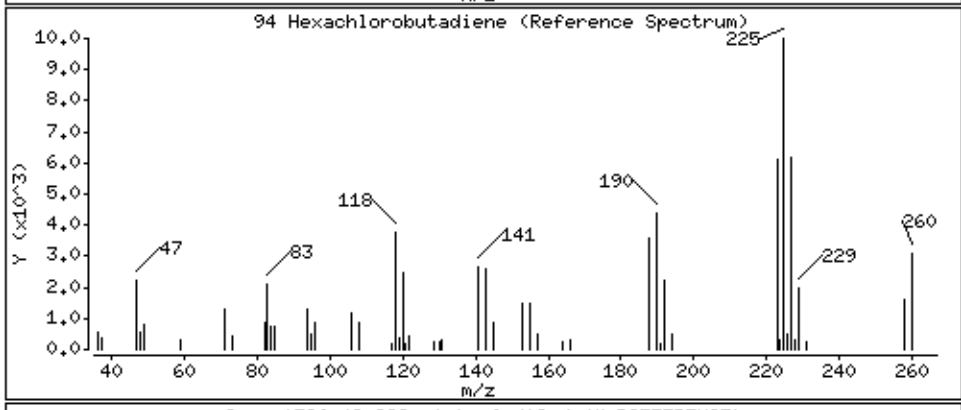
94 Hexachlorobutadiene

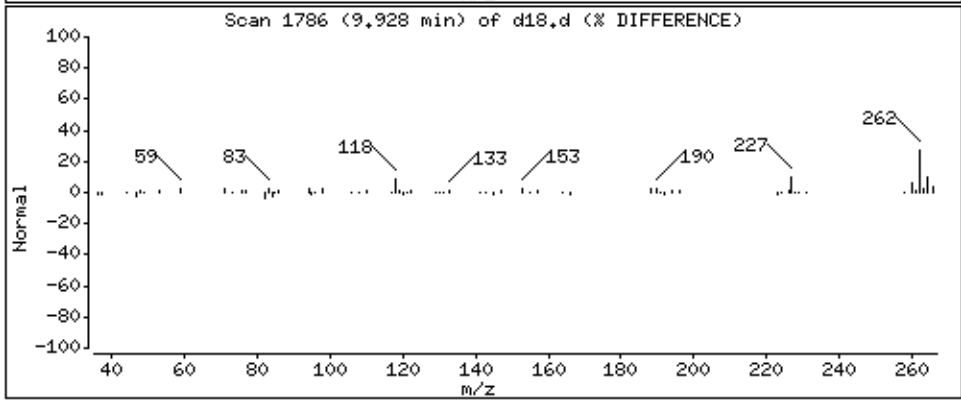
Concentration: 8.28 ppb

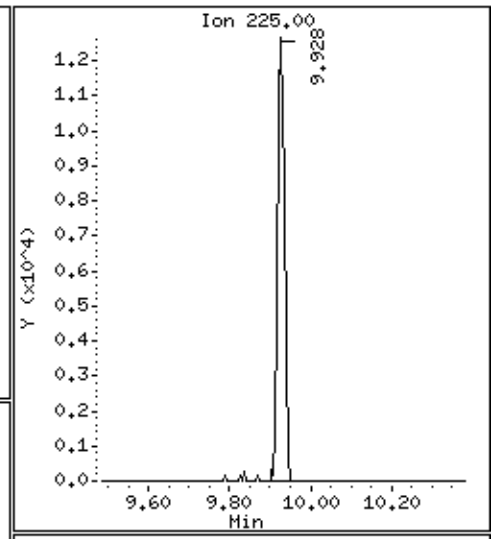
Review Code:

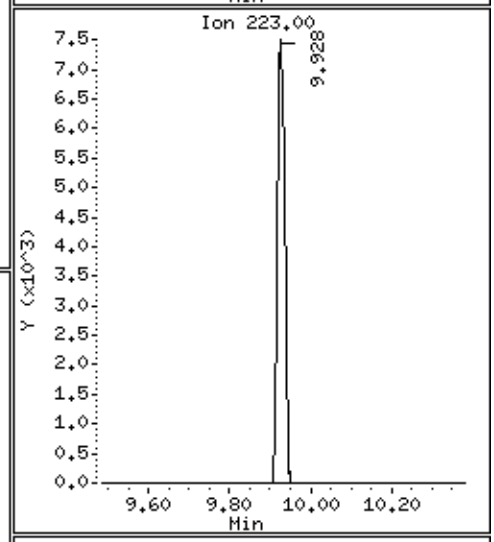


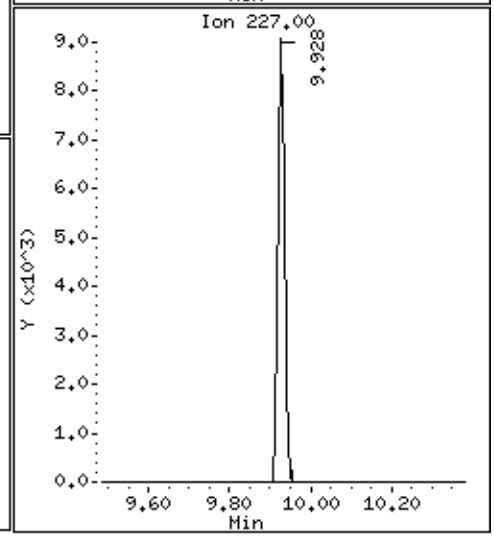












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

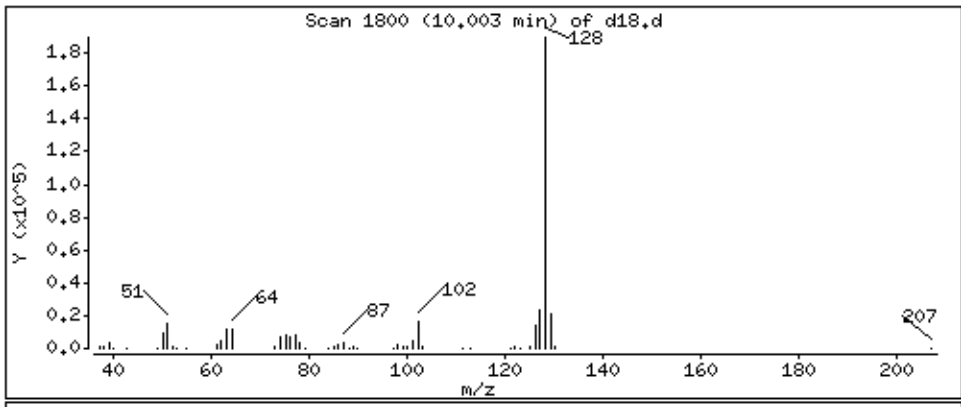
Column phase: DB-624

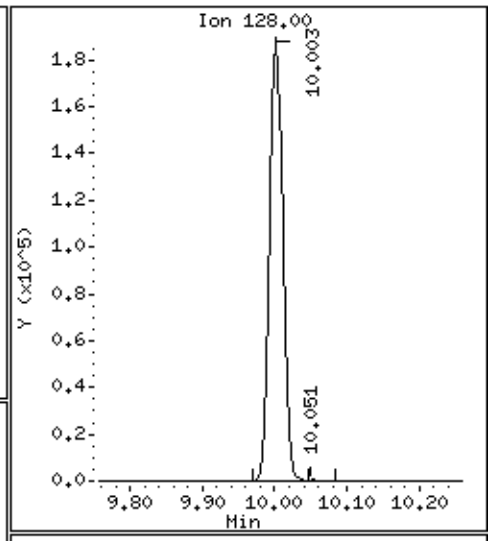
Column diameter: 0.18

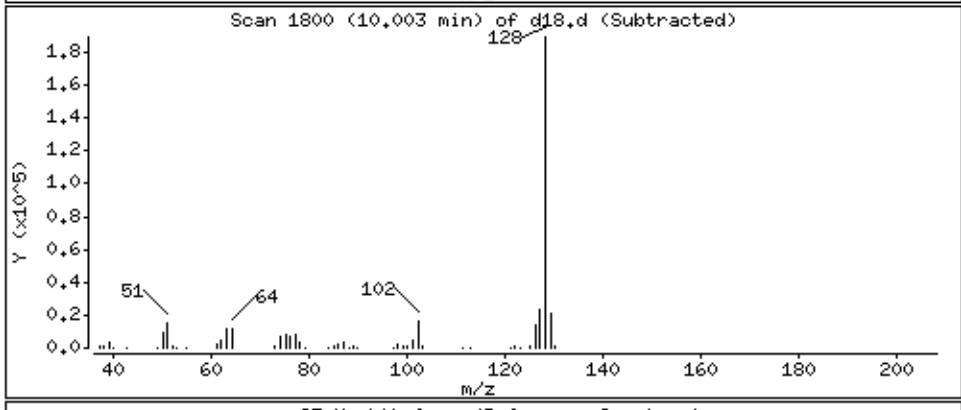
95 Naphthalene

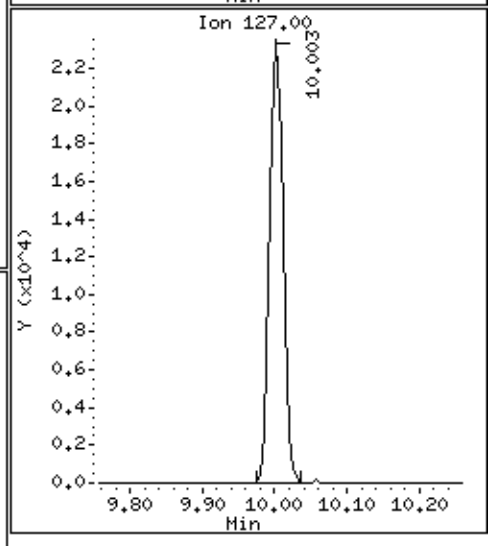
Concentration: 40.8 ppb

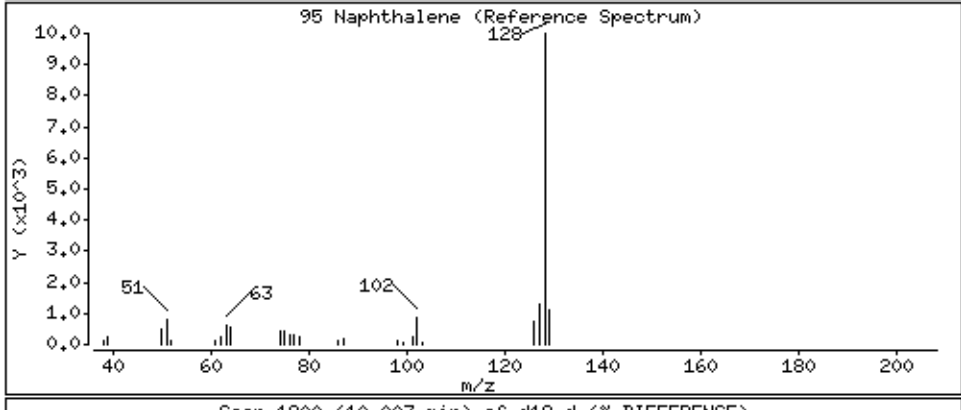
Review Code:

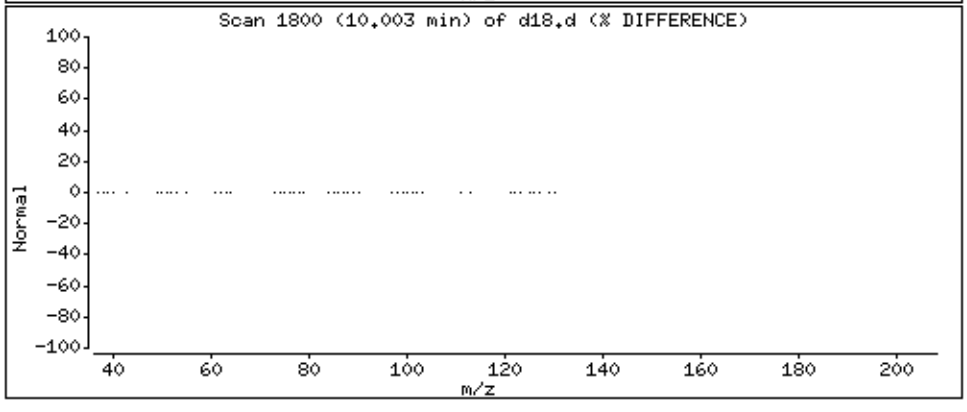












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

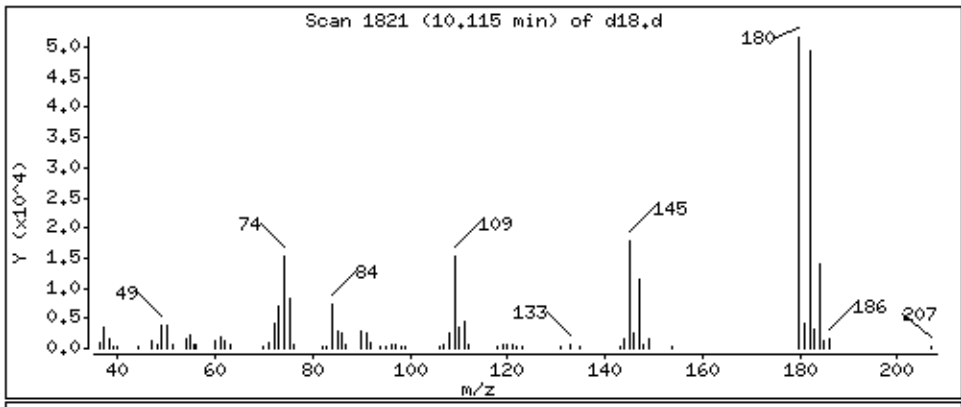
Column phase: DB-624

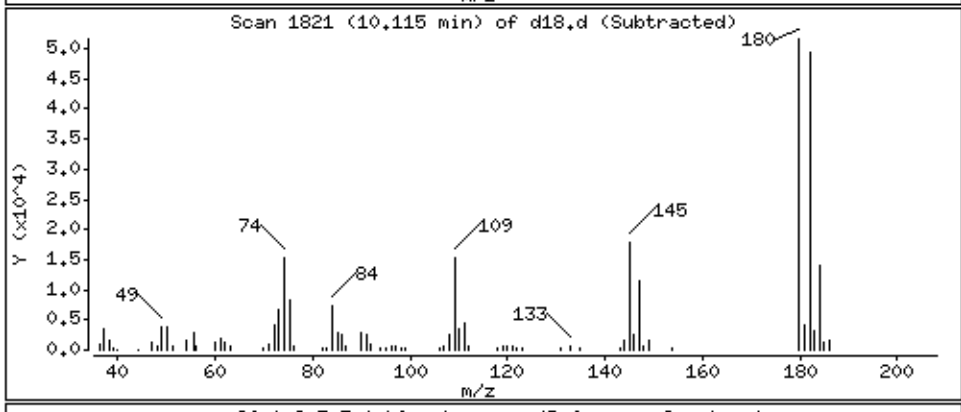
Column diameter: 0.18

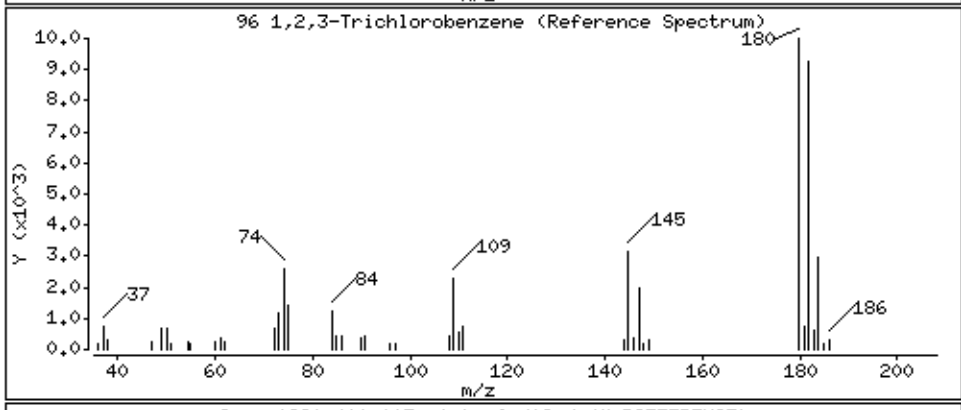
96 1,2,3-Trichlorobenzene

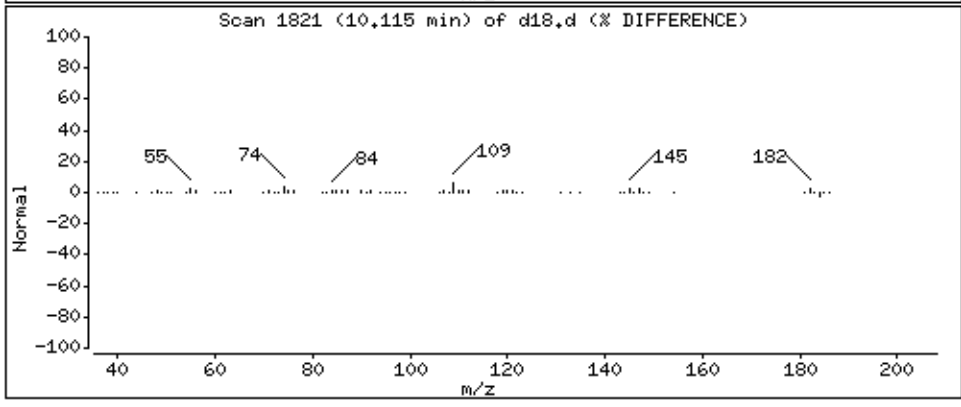
Concentration: 25.9 ppb

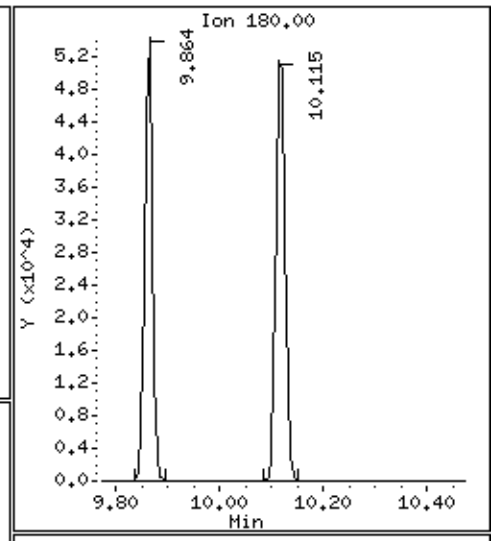
Review Code:

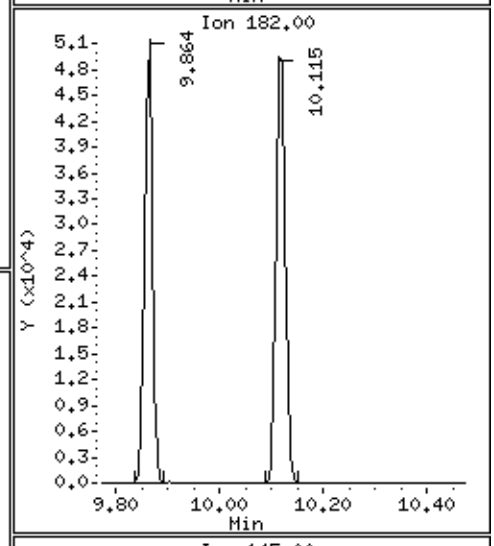


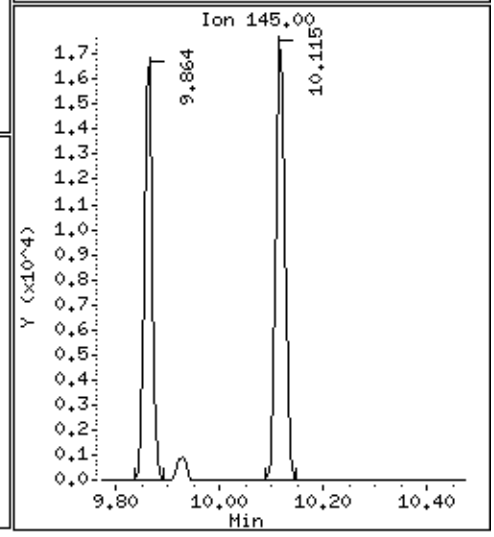












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

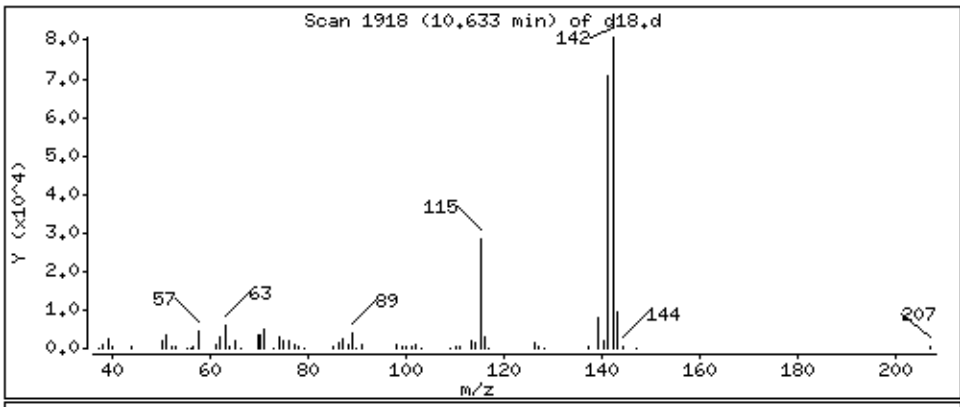
Column phase: DB-624

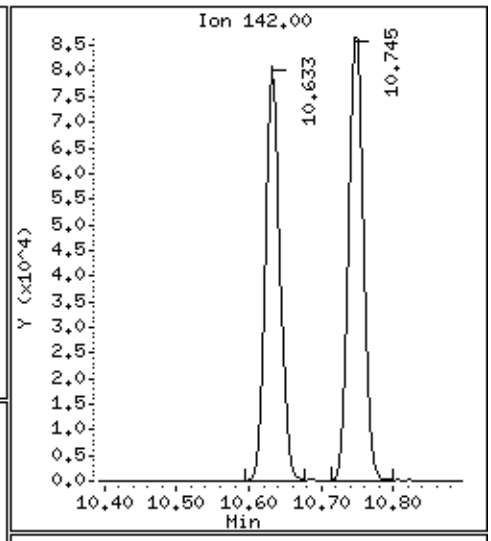
Column diameter: 0.18

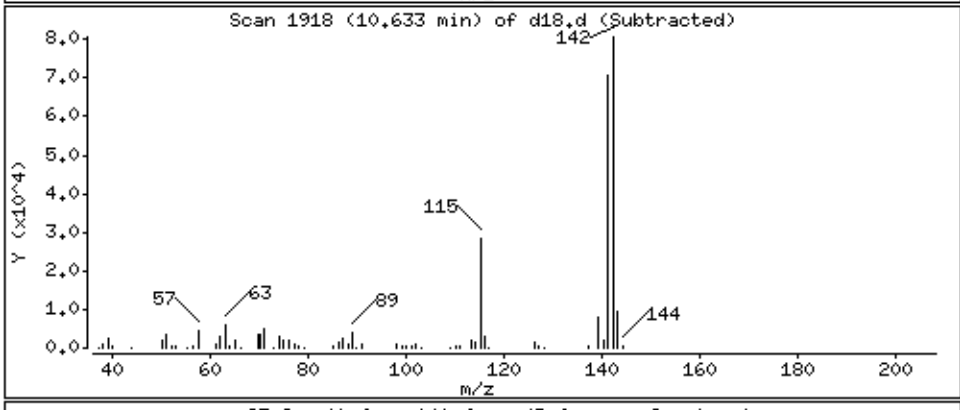
97 2,methyl-naphthalene

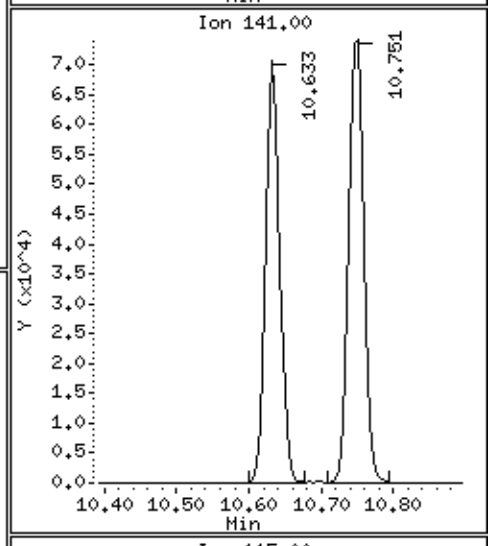
Concentration: 34.0 ppb

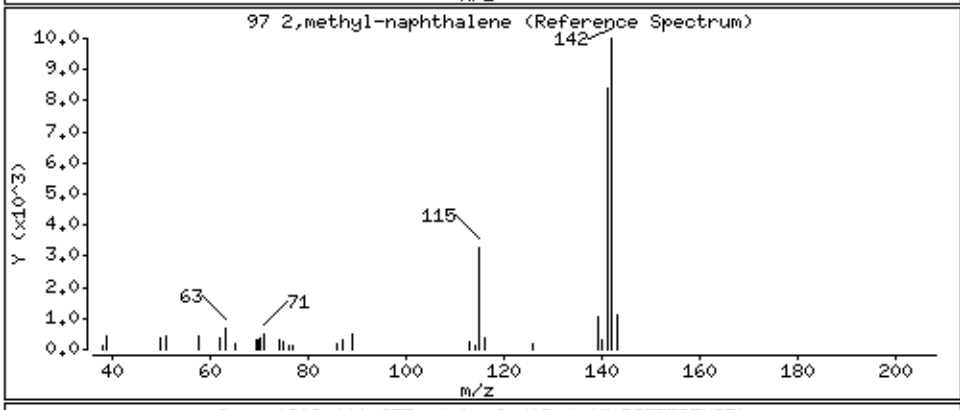
Review Code:

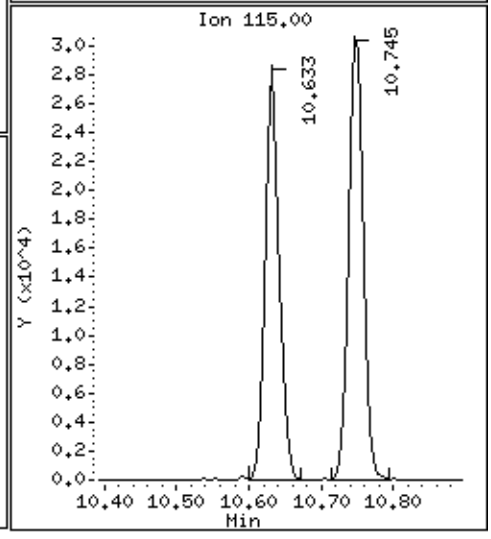


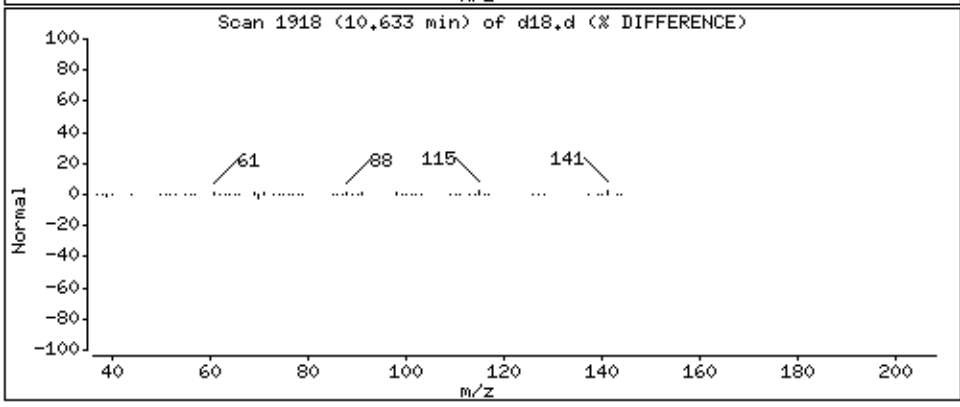












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

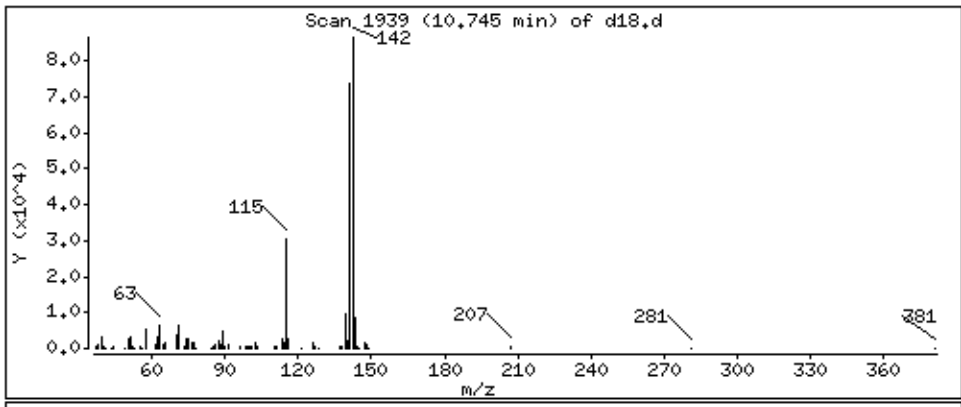
Column phase: DB-624

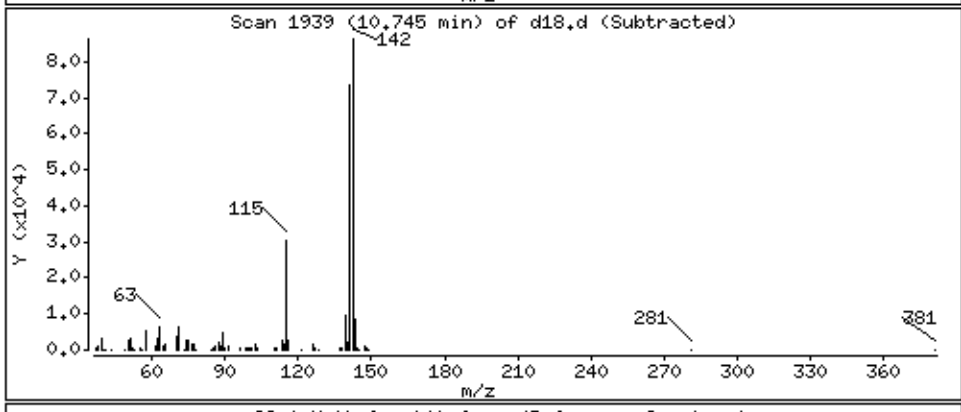
Column diameter: 0.18

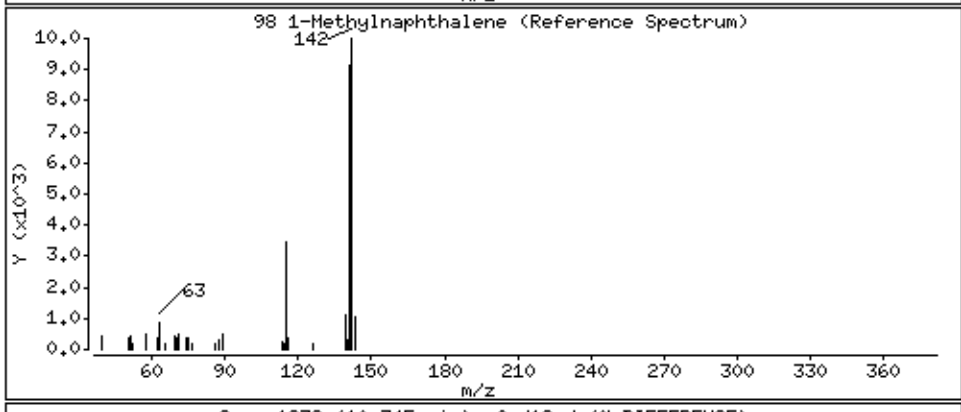
98 1-Methylnaphthalene

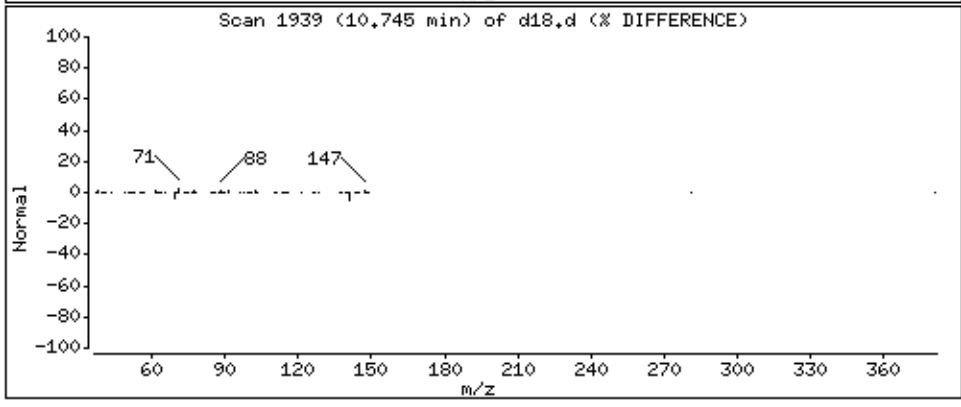
Concentration: 47.8 ppb

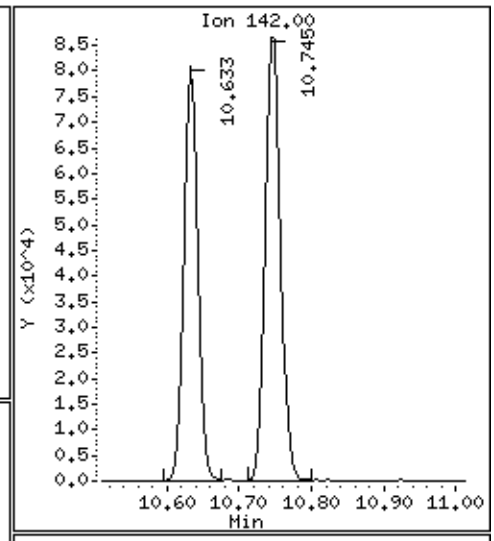
Review Code:

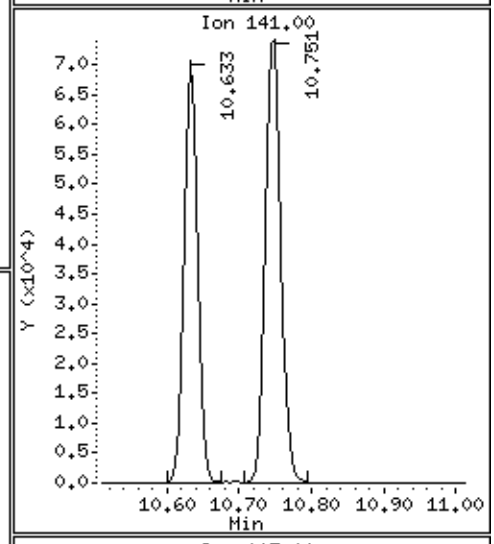


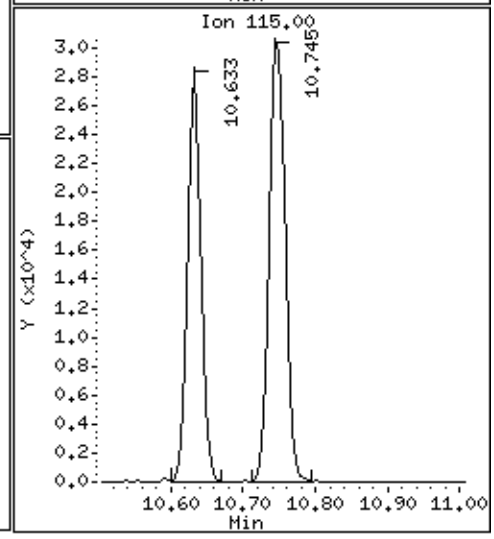












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

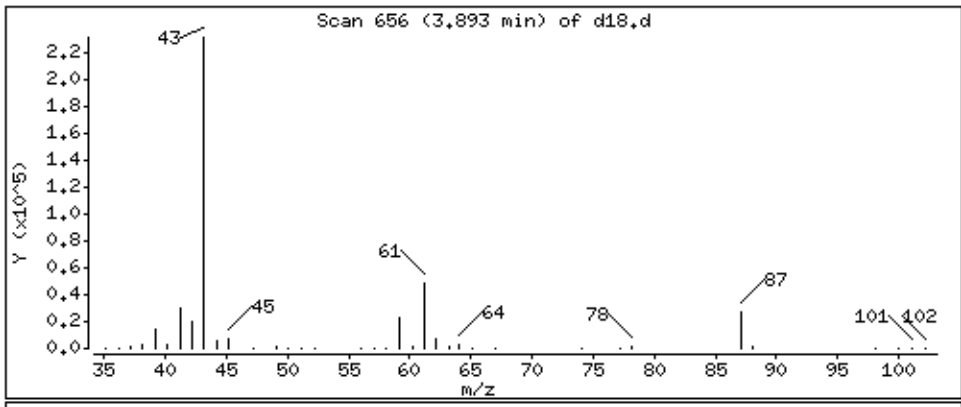
Column phase: DB-624

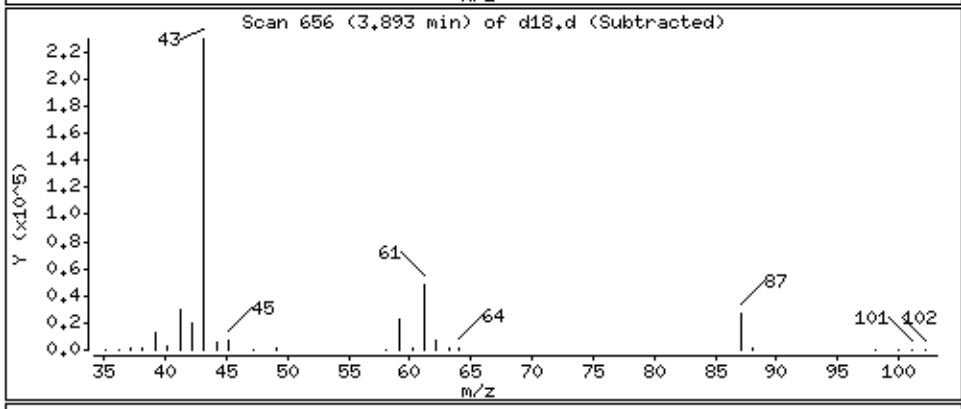
Column diameter: 0.18

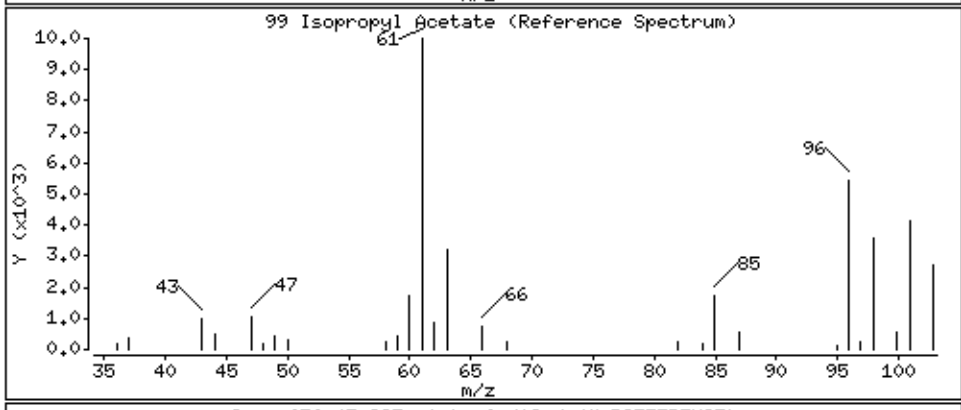
99 Isopropyl Acetate

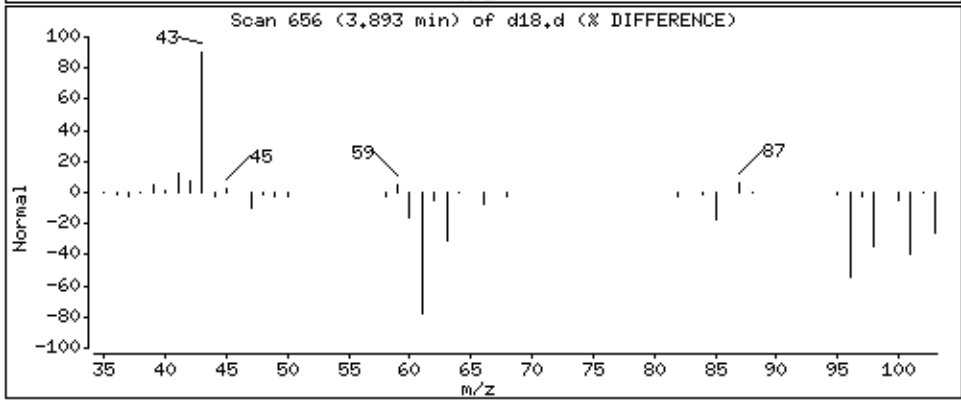
Concentration: 281 ppb

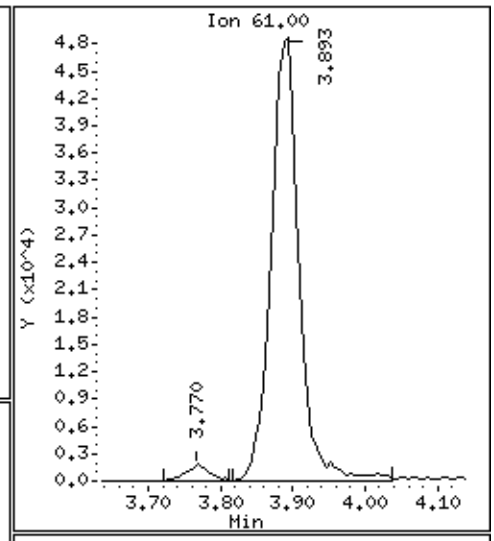
Review Code:

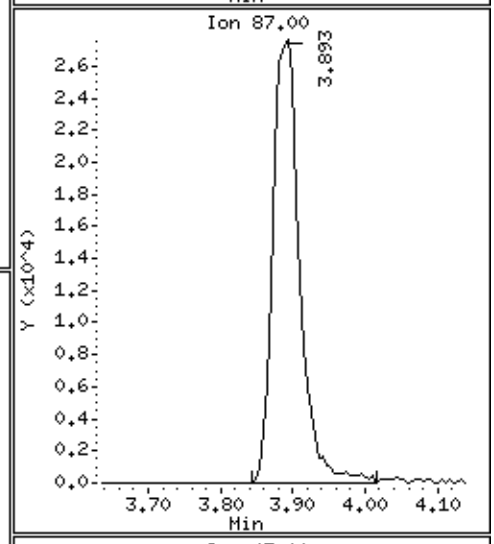


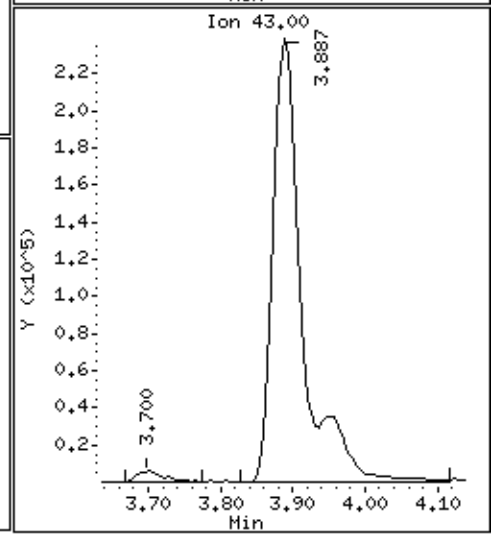












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

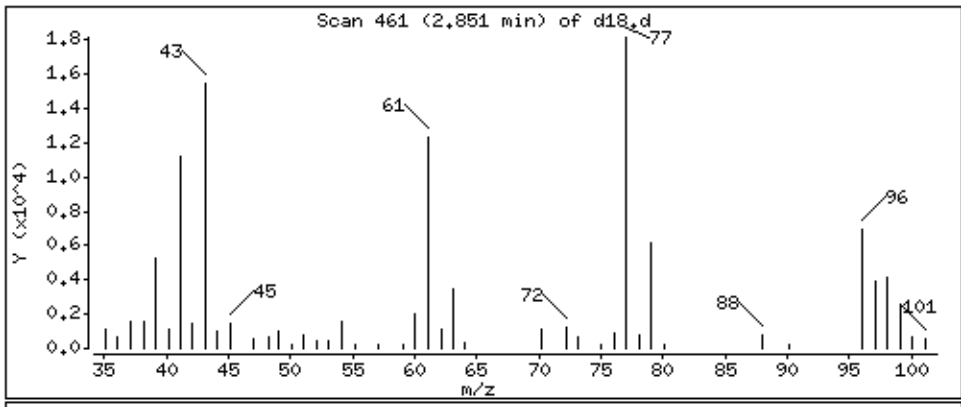
Column phase: DB-624

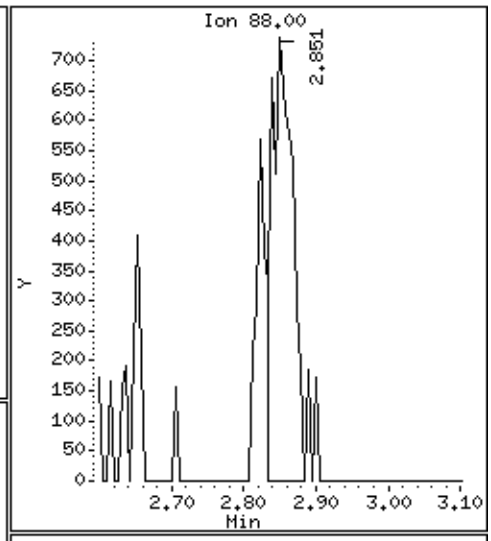
Column diameter: 0.18

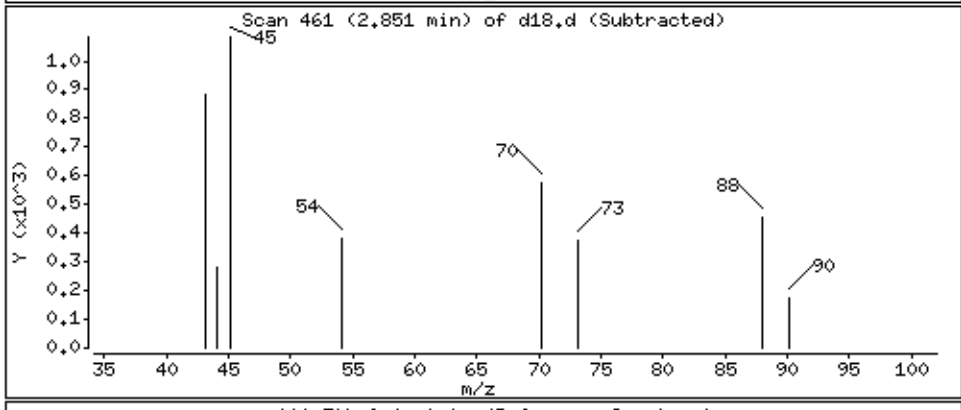
100 Ethyl Acetate

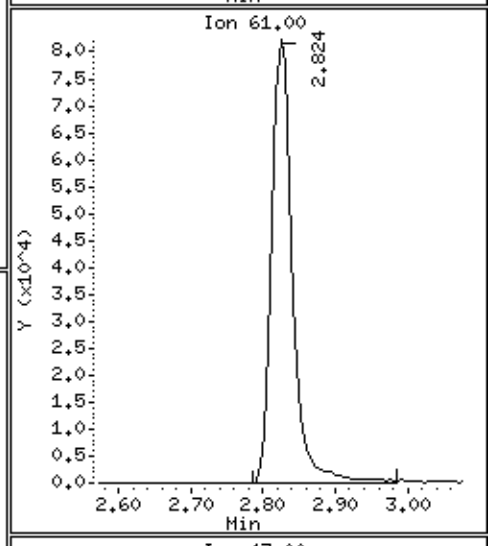
Concentration: 30.1 ppb

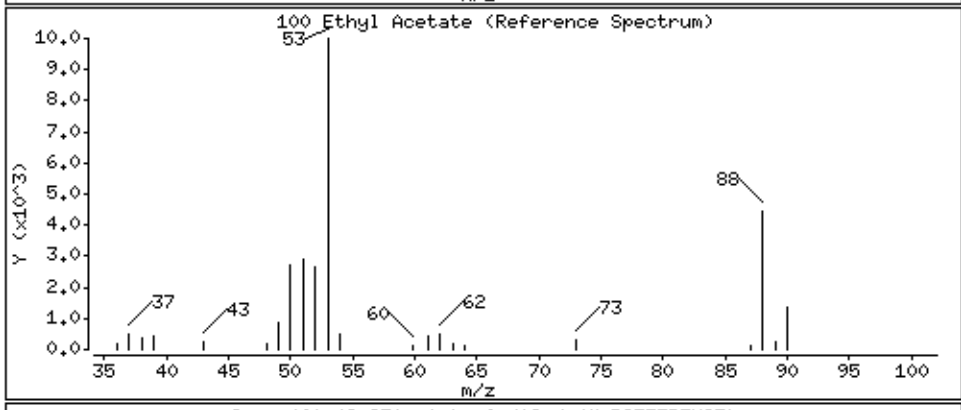
Review Code:

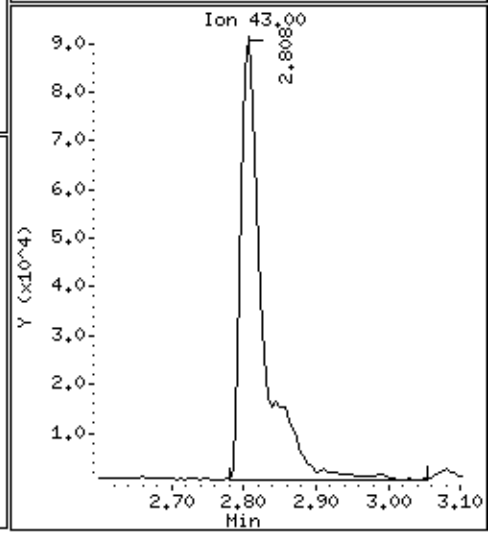


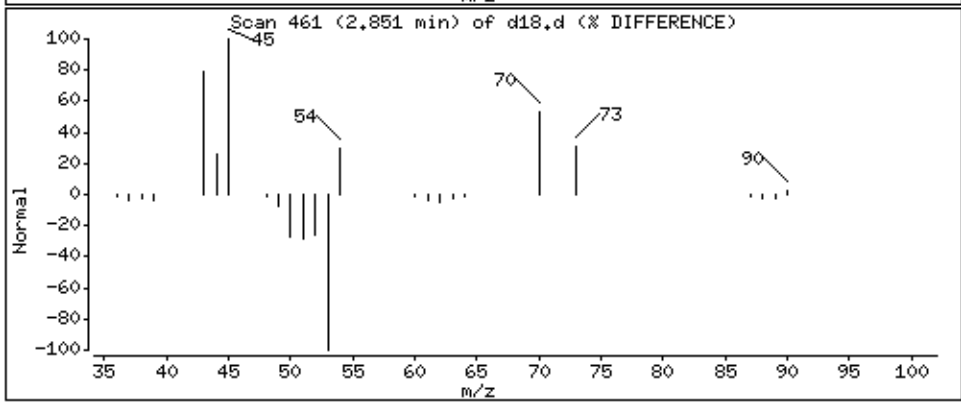












Data File: \\192.168.50.6\chem\50mv3b.i\b100616.b\d18.d

Date : 07-OCT-2016 10:05

Client ID: MW-0603-S1(091716)P

Instrument: 50mv3b.i

Sample Info: 1642783,132007:5

Purge Volume: 5.0

Operator: jlz

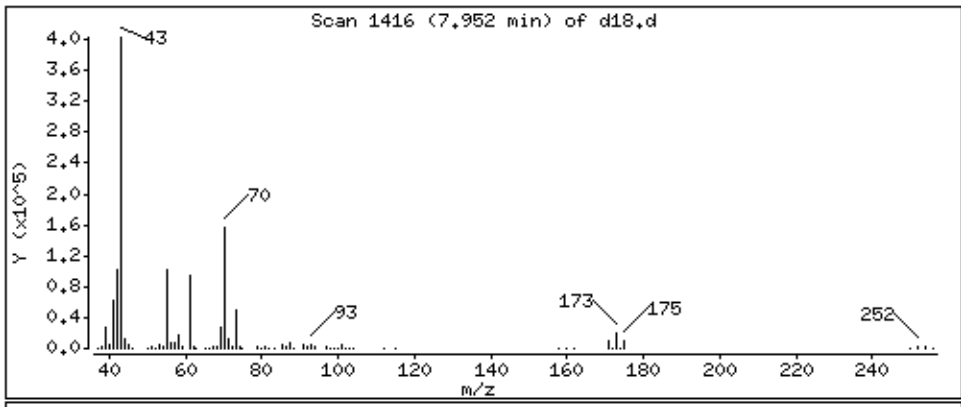
Column phase: DB-624

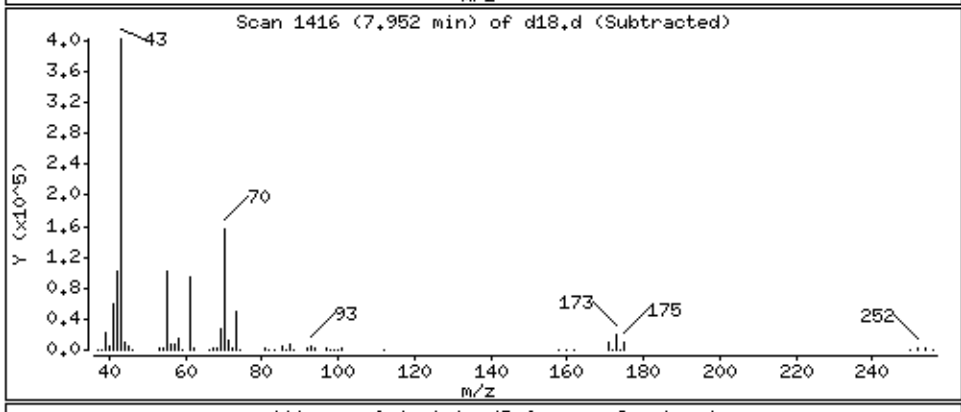
Column diameter: 0.18

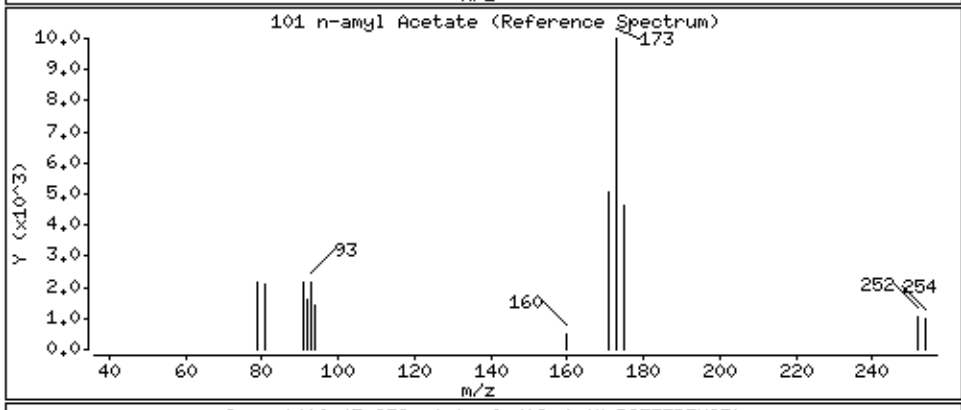
101 n-amyl Acetate

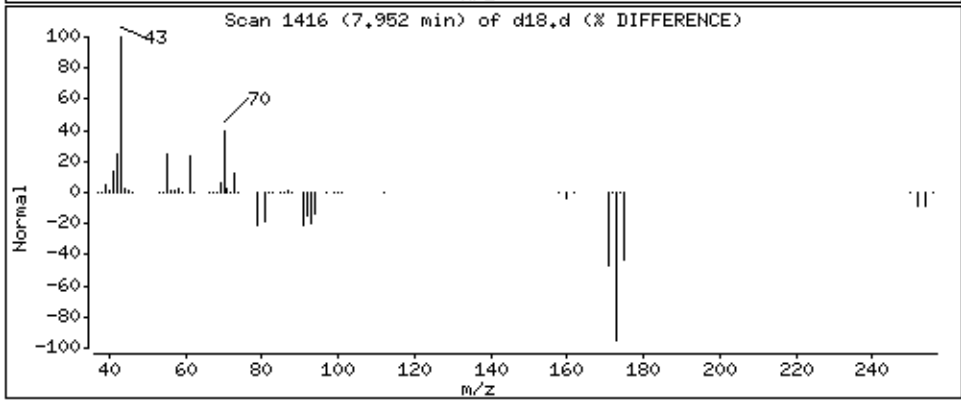
Concentration: 53.5 ppb

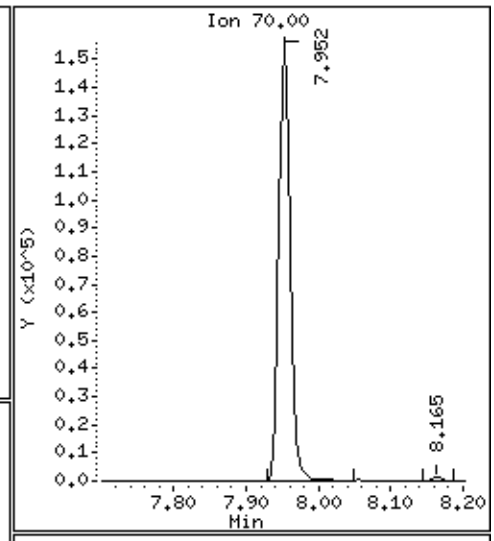
Review Code:

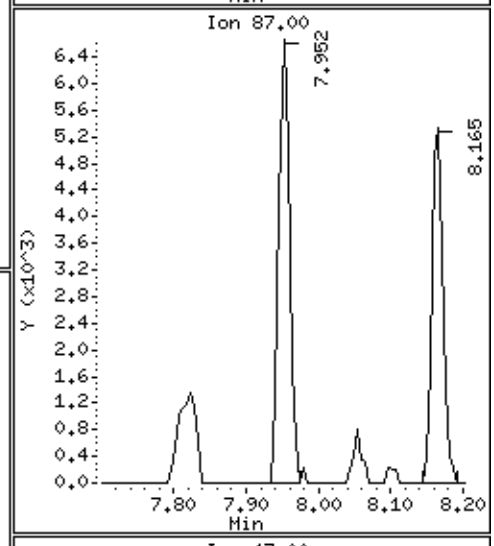


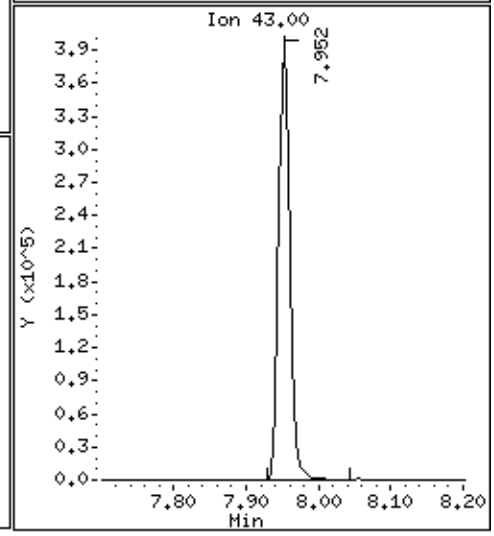












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Injection Date: 07-OCT-2016 10:05
Instrument: 50mv3b.i
Lab Sample ID: 1642783
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/10/2016 22:52 Lab Sample ID: 1645429

Date Analyzed: 10/10/2016 22:52 Lab File ID: A101016.B\C03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

SAMPLE NO.

BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/10/2016 22:52 Lab Sample ID: 1645429

Date Analyzed: 10/10/2016 22:52 Lab File ID: A101016.B\C03MBW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c03mbw.d
Lab Smp Id: 1645429 Client Smp ID: MB
Inj Date : 10-OCT-2016 22:52
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1645429
Misc Info : 95715
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 53 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

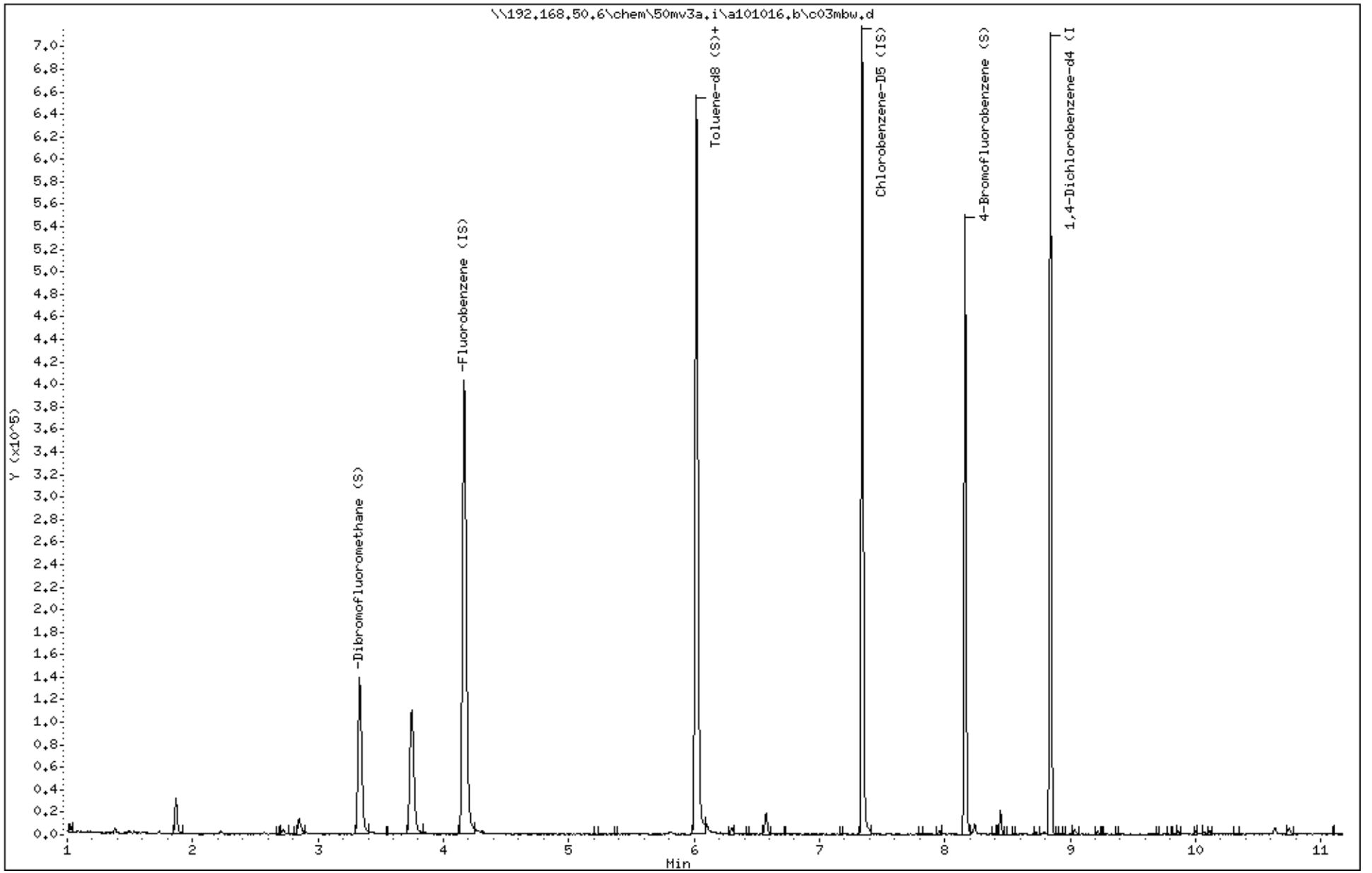
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
	18 Methylene Chloride	84	1.867	1.862	(0.448)	9658	2.25804	2.26	
$	35 Dibromofluoromethane (S)	113	3.330	3.331	(0.800)	91286	49.5102	49.5	
*	45 Fluorobenzene (IS)	96	4.164	4.164	(1.000)	407751	50.0000		
$	56 Toluene-d8 (S)	98	6.017	6.018	(0.820)	396306	47.0299	47.0	
	57 Toluene	91	6.097	6.093	(0.831)	3604	0.36025	0.360	
*	66 Chlorobenzene-D5 (IS)	117	7.342	7.342	(1.000)	271766	50.0000		
$	75 4-Bromofluorobenzene (S)	95	8.164	8.165	(1.112)	120307	49.6503	49.6	
*	89 1,4-Dichlorobenzene-d4 (IS)	152	8.842	8.838	(1.000)	114887	50.0000		
	96 Naphthalene	128	10.007	10.002	(1.132)	2495	0.55150	0.551	
	99 1-Methylnaphthalene	142	10.749	10.745	(1.216)	2635	1.04317	1.04	

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c03mbw.d
Date : 10-OCT-2016 22:52
Client ID: MB
Sample Info: 1645429
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv3a.i
Operator: jlz
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c03mbw.d

Date : 10-OCT-2016 22:52

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1645429

Purge Volume: 5.0

Operator: jlz

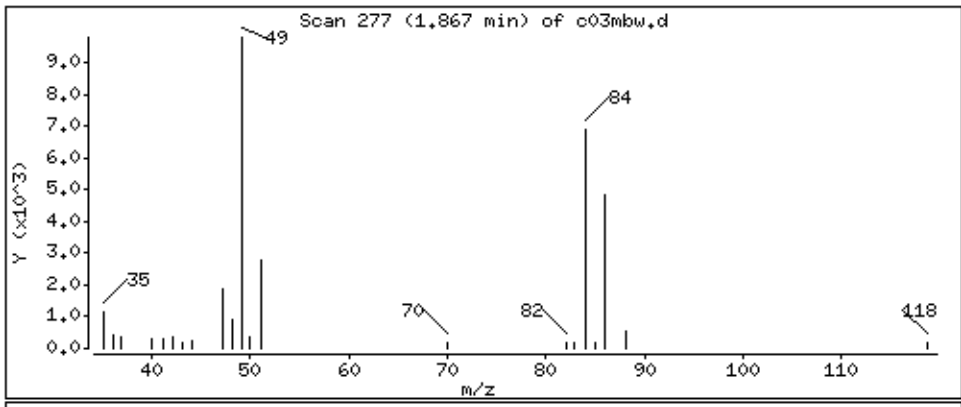
Column phase: DB-624

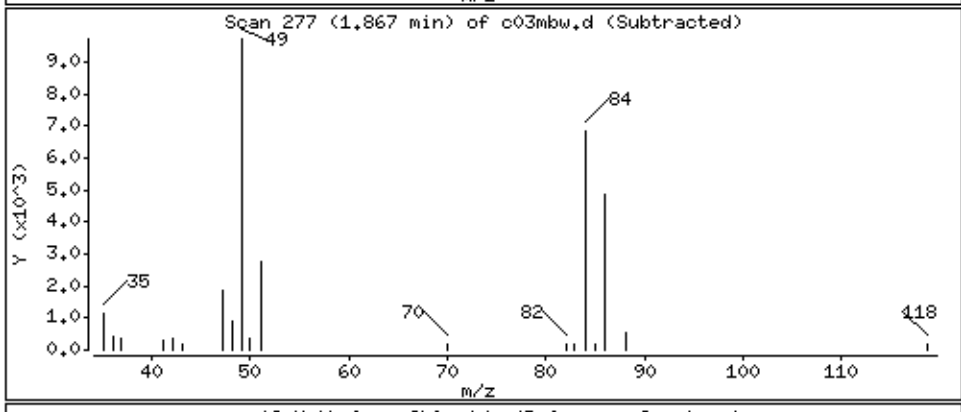
Column diameter: 0.18

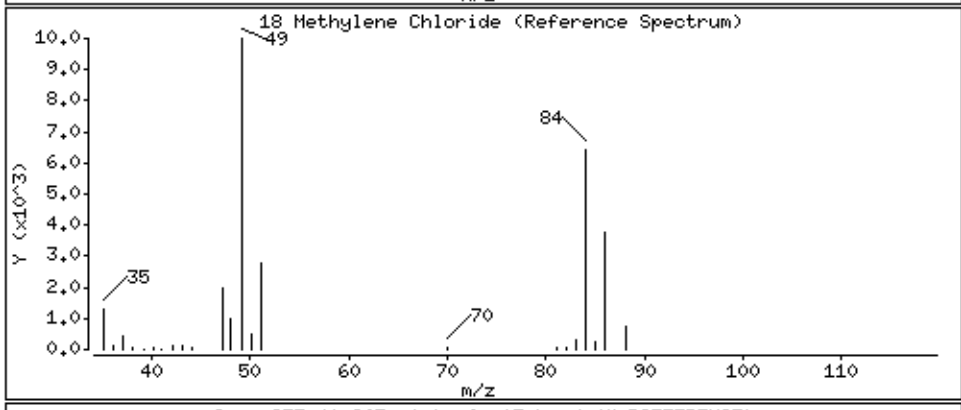
18 Methylene Chloride

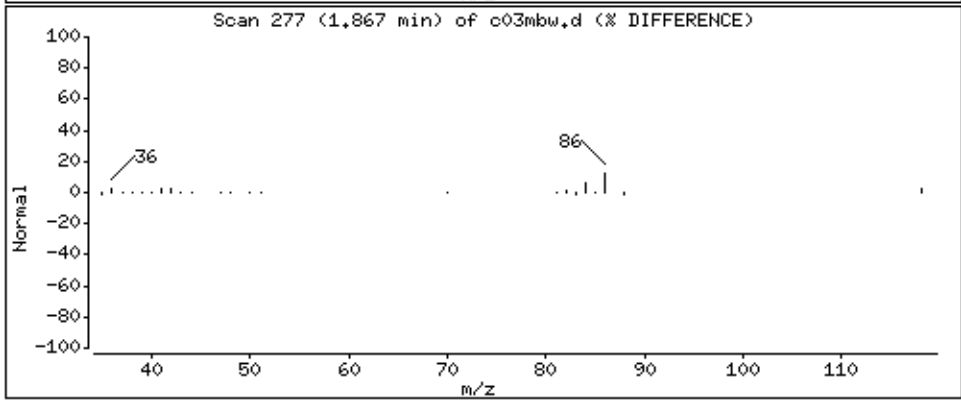
Concentration: 2.26 ppb

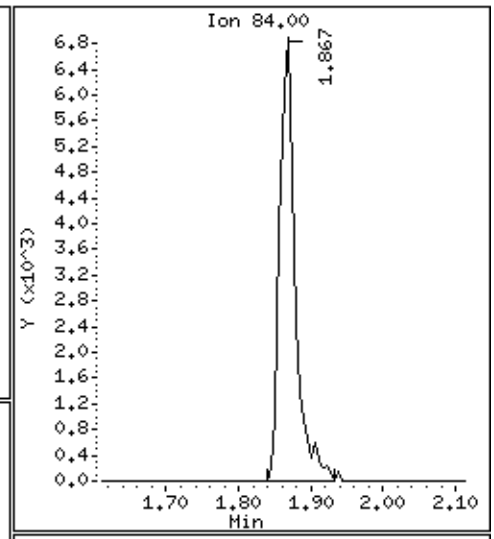
Review Code:

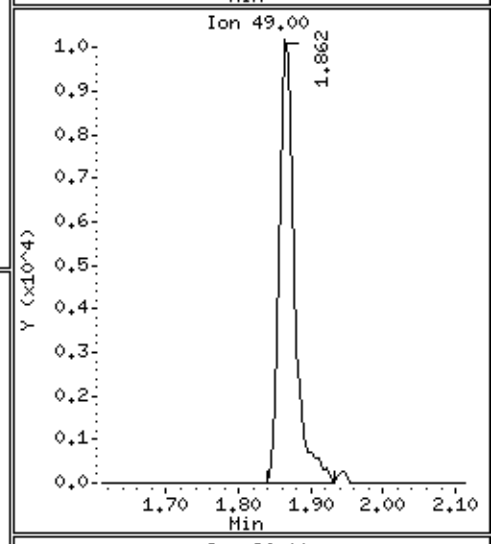


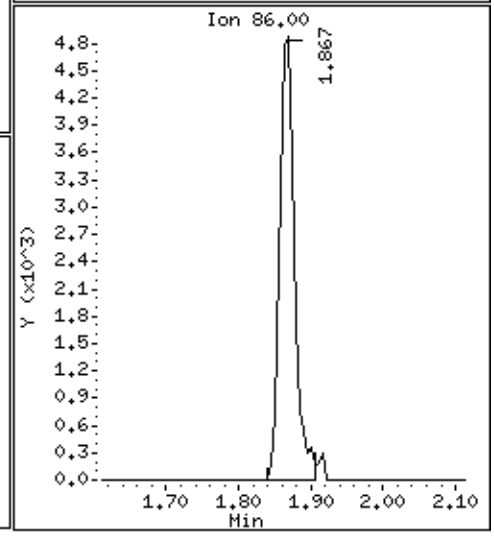












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c03mbw.d

Date : 10-OCT-2016 22:52

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1645429

Purge Volume: 5.0

Operator: jlz

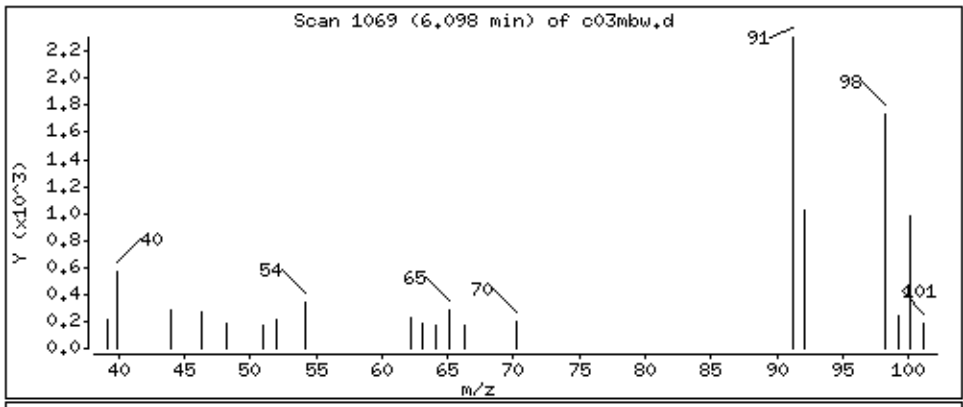
Column phase: DB-624

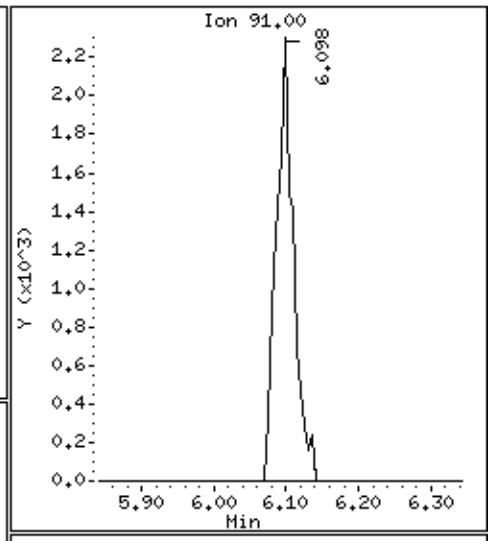
Column diameter: 0.18

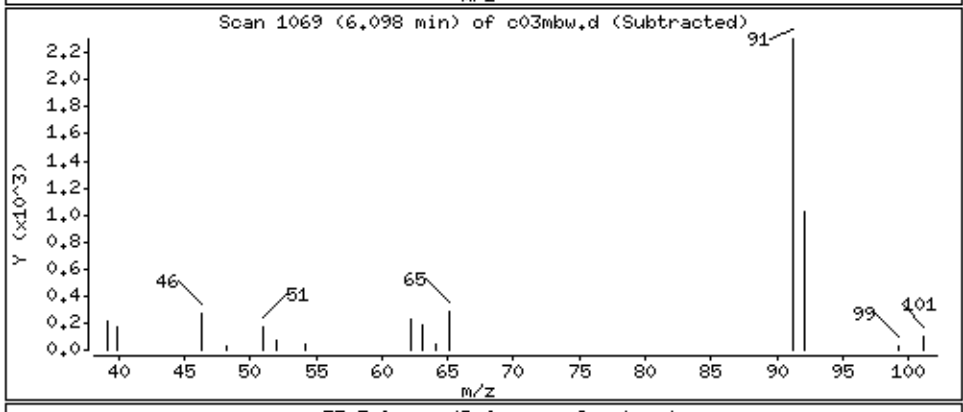
57 Toluene

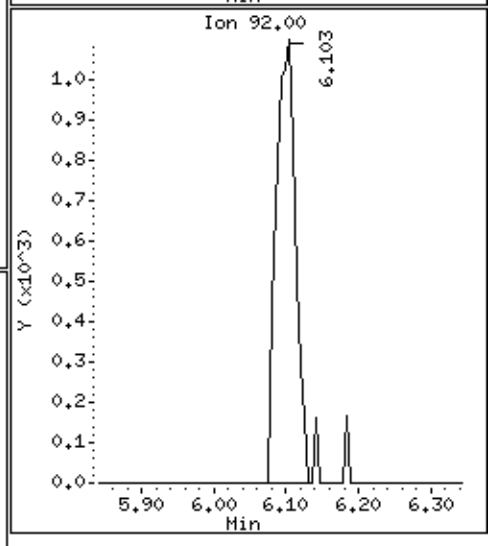
Concentration: 0.360 ppb

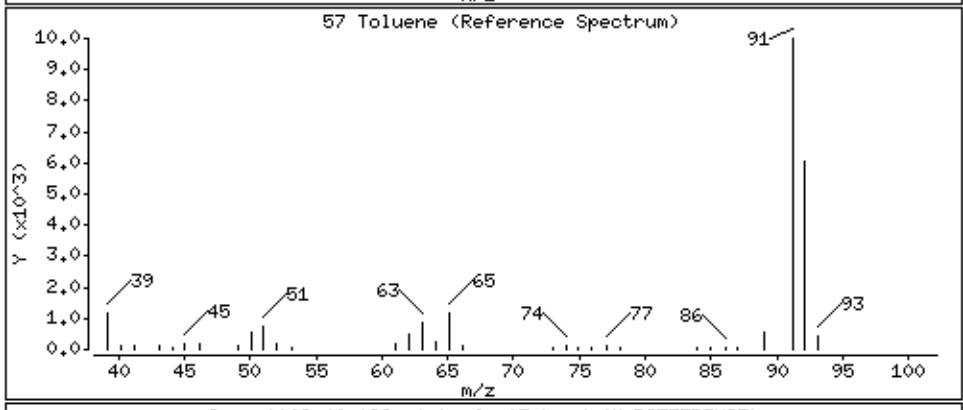
Review Code:

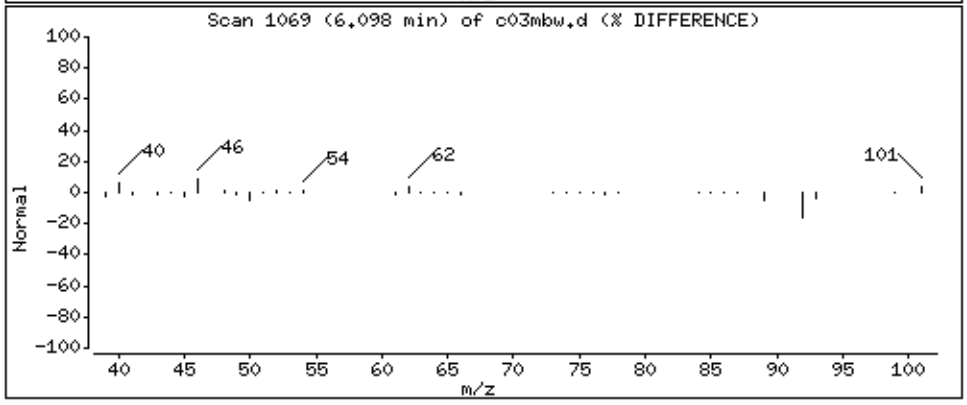












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c03mbw.d

Date : 10-OCT-2016 22:52

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1645429

Purge Volume: 5.0

Operator: jlz

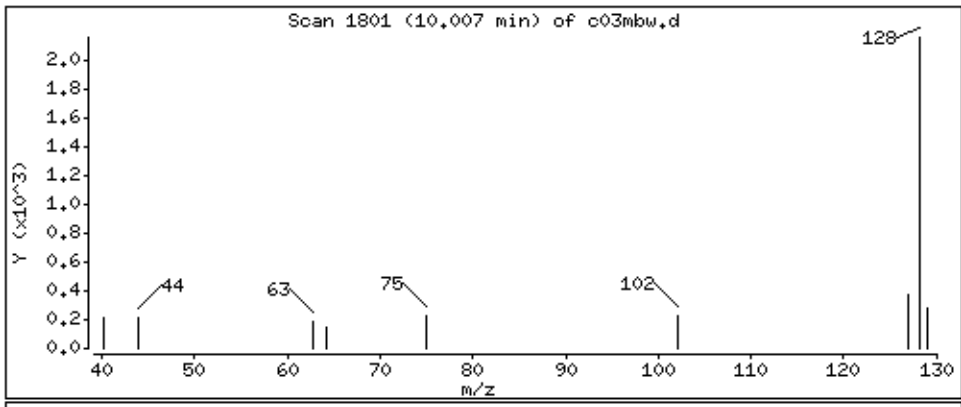
Column phase: DB-624

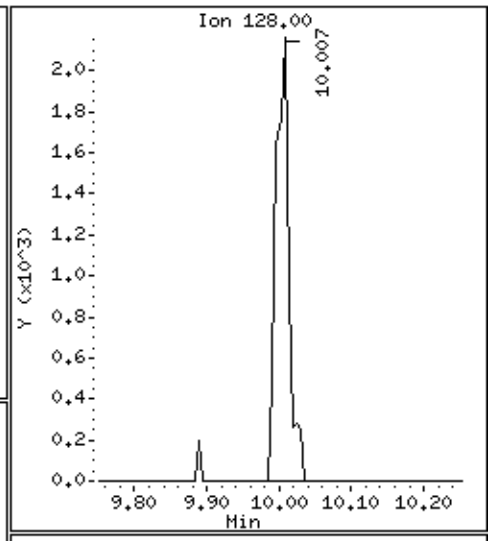
Column diameter: 0.18

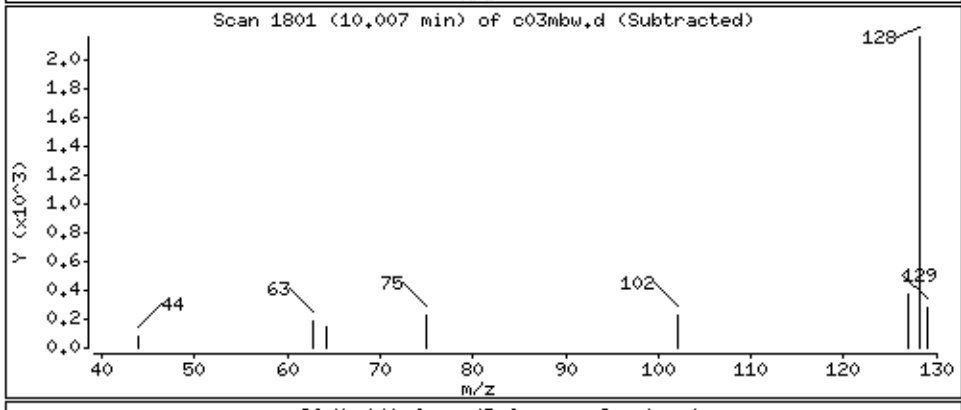
96 Naphthalene

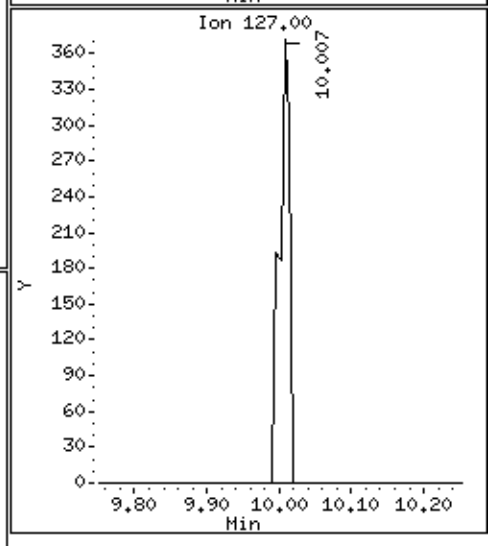
Concentration: 0.551 ppb

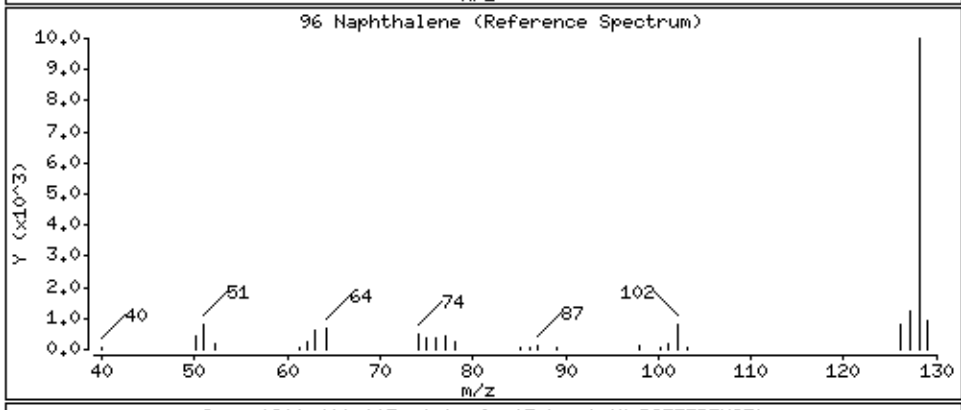
Review Code:

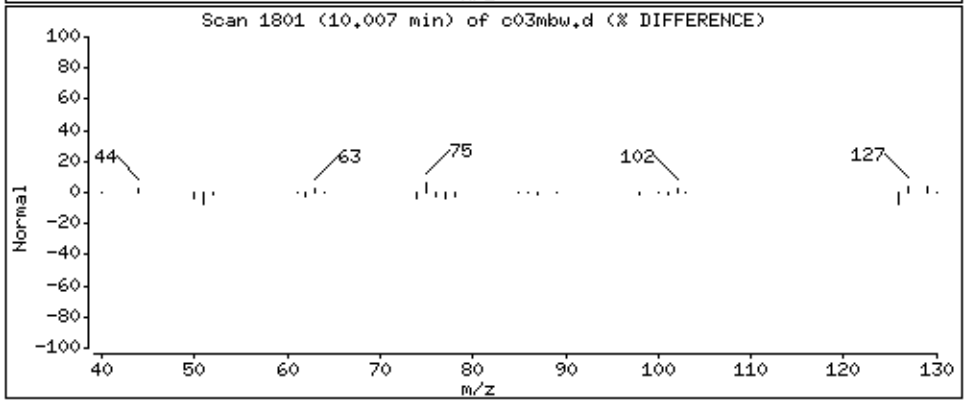












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c03mbw.d

Date : 10-OCT-2016 22:52

Client ID: MB

Instrument: 50mv3a.i

Sample Info: 1645429

Purge Volume: 5.0

Operator: jlz

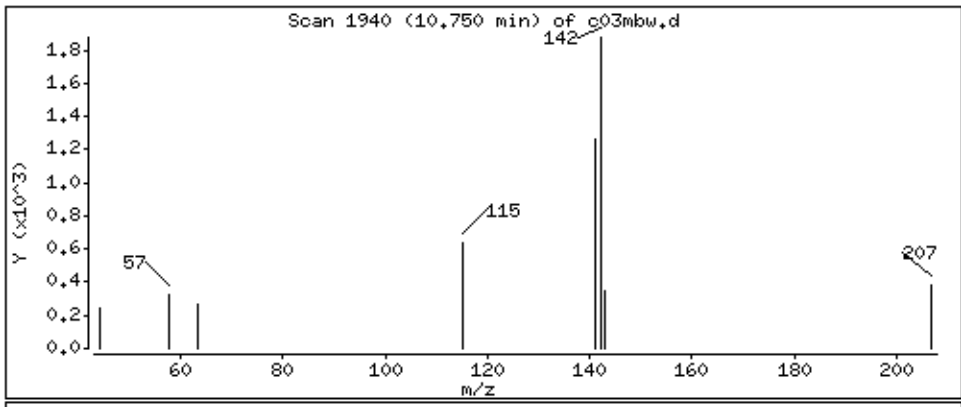
Column phase: DB-624

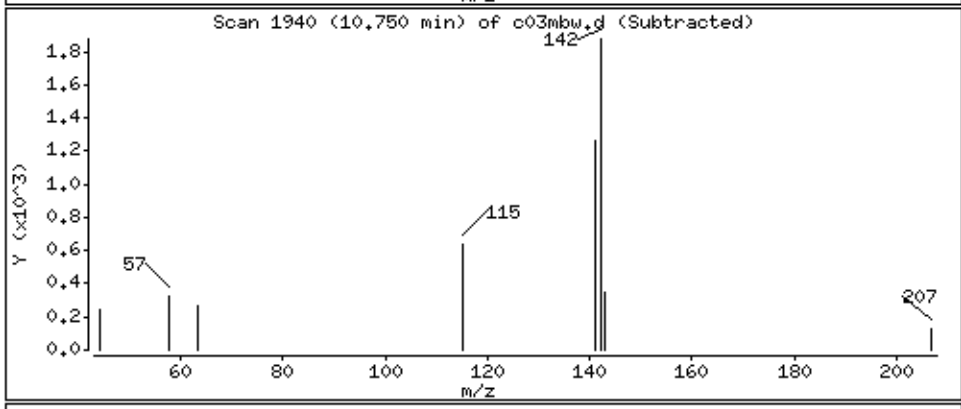
Column diameter: 0.18

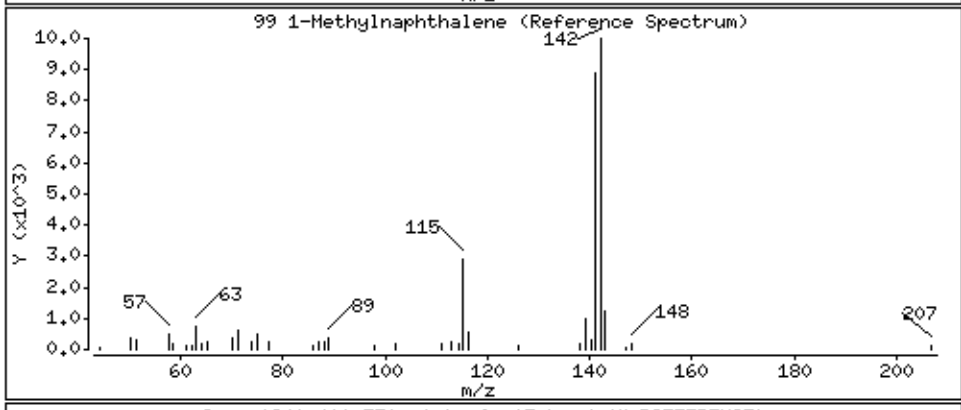
99 1-Methylnaphthalene

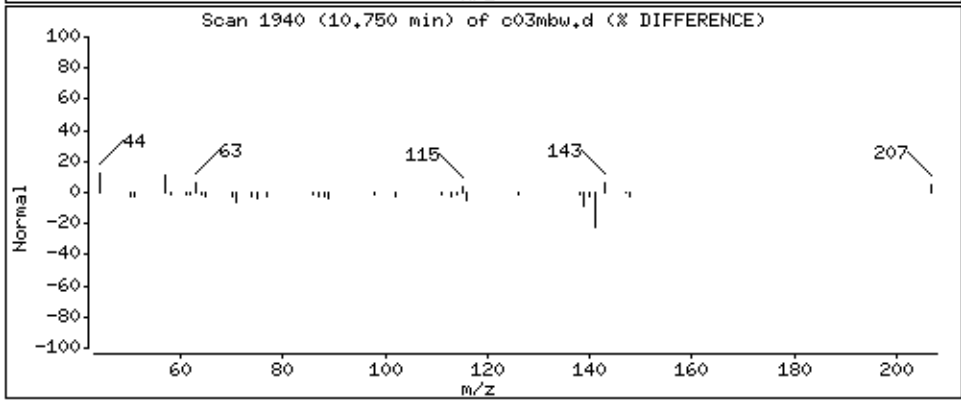
Concentration: 1.04 ppb

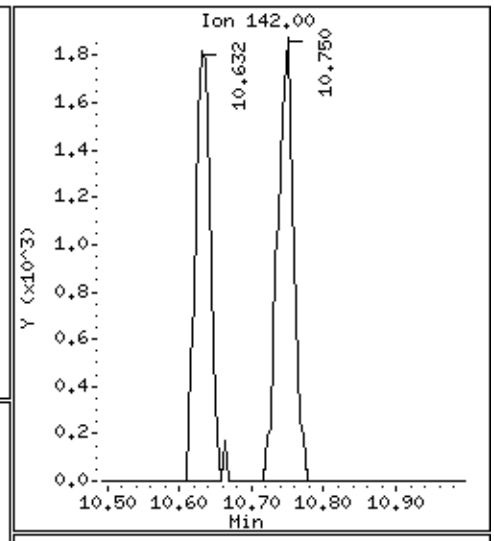
Review Code:

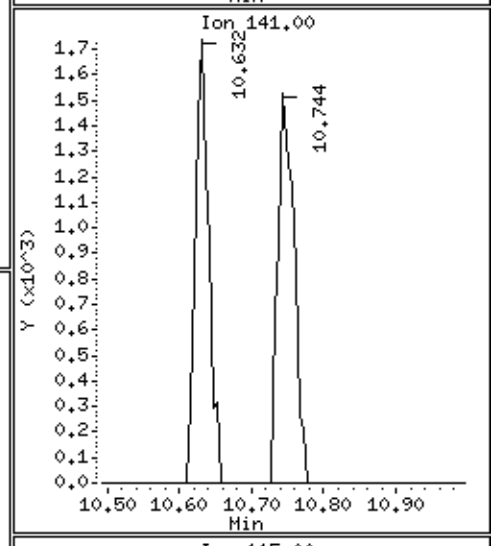


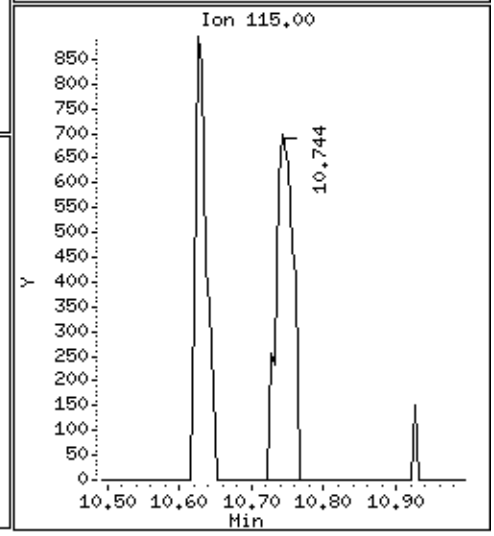












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c03mbw.d
Injection Date: 10-OCT-2016 22:52
Instrument: 50mv3a.i
Lab Sample ID: 1645429
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

LCS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/10/2016 22:20 Lab Sample ID: 1645430

Date Analyzed: 10/10/2016 22:20 Lab File ID: A101016.B\C02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	206	
71-43-2	Benzene	47.8	
75-27-4	Bromodichloromethane	53.1	
75-25-2	Bromoform	52.4	
74-83-9	Bromomethane	38.5	
78-93-3	2-Butanone (MEK)	258	
75-15-0	Carbon disulfide	43.5	
56-23-5	Carbon tetrachloride	47.2	
108-90-7	Chlorobenzene	47.8	
75-00-3	Chloroethane	38.6	
67-66-3	Chloroform	46.5	
74-87-3	Chloromethane	37.5	
110-82-7	Cyclohexane	49.9	J
96-12-8	1,2-Dibromo-3-chloropropane	55.8	
124-48-1	Dibromochloromethane	52.1	
106-93-4	1,2-Dibromoethane (EDB)	51.8	
95-50-1	1,2-Dichlorobenzene	49.7	
541-73-1	1,3-Dichlorobenzene	47.7	
106-46-7	1,4-Dichlorobenzene	46.3	
75-71-8	Dichlorodifluoromethane	37.6	
75-34-3	1,1-Dichloroethane	47.2	
107-06-2	1,2-Dichloroethane	44.1	
75-35-4	1,1-Dichloroethene	42.3	
156-59-2	cis-1,2-Dichloroethene	47.4	
156-60-5	trans-1,2-Dichloroethene	46.4	
78-87-5	1,2-Dichloropropane	53.2	
10061-01-5	cis-1,3-Dichloropropene	50.1	
10061-02-6	trans-1,3-Dichloropropene	49.4	
100-41-4	Ethylbenzene	52.4	
591-78-6	2-Hexanone	292	
98-82-8	Isopropylbenzene (Cumene)	52.9	
79-20-9	Methyl acetate	63.9	
108-87-2	Methylcyclohexane	53.3	
75-09-2	Methylene Chloride	50.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	271	
1634-04-4	Methyl-tert-butyl ether	47.3	
100-42-5	Styrene	55.0	

SAMPLE NO.

LCS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: Matrix: Water SDG No.: 50155366

Date Extracted: 10/10/2016 22:20 Lab Sample ID: 1645430

Date Analyzed: 10/10/2016 22:20 Lab File ID: A101016.B\C02LCSW.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	55.0	
127-18-4	Tetrachloroethene	45.0	
108-88-3	Toluene	45.2	
120-82-1	1,2,4-Trichlorobenzene	48.6	
71-55-6	1,1,1-Trichloroethane	44.2	
79-00-5	1,1,2-Trichloroethane	50.8	
79-01-6	Trichloroethene	44.8	
75-69-4	Trichlorofluoromethane	41.4	
76-13-1	1,1,2-Trichlorotrifluoroethane	41.3	
75-01-4	Vinyl chloride	41.7	
1330-20-7	Xylene (Total)	154	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d
Lab Smp Id: 1645430 Client Smp ID: MBLCS
Inj Date : 10-OCT-2016 22:20
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1645430,132007:5
Misc Info : 95715
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 51 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.907	0.906	(0.218)	80763	37.6146	37.6	
2 Chloromethane	50	0.992	0.992	(0.238)	98830	37.5060	37.5	
3 Vinyl Chloride	62	1.035	1.035	(0.249)	115408	41.6870	41.7	
4 Bromomethane	94	1.184	1.184	(0.284)	49393	38.5478	38.5	
5 Chloroethane	64	1.227	1.227	(0.295)	63185	38.6456	38.6	
6 Trichlorofluoromethane	101	1.345	1.344	(0.323)	127525	41.3618	41.4	
7 Diethyl ether	74	1.468	1.467	(0.352)	47833	40.1372	40.1	
8 1,2-dichlorotrifluoroethane	67	1.484	1.483	(0.356)	110397	41.3846	41.4	
9 Acrolein	56	1.537	1.537	(0.369)	246226	1160.36	1160	
10 1,1,2trichlorotrifluoroethane	101	1.590	1.590	(0.382)	94040	41.2580	41.2	
11 1,1-Dichloroethene	96	1.596	1.595	(0.383)	78827	42.2590	42.2	
12 Acetone	43	1.606	1.606	(0.386)	77878	206.131	206	
13 Iodomethane	142	1.681	1.681	(0.404)	173631	98.7213	98.7	
14 Carbon Disulfide	76	1.729	1.729	(0.415)	251017	43.5441	43.5	
15 Methyl Acetate	43	1.772	1.772	(0.426)	72906	63.9428	63.9	
16 allyl chloride	41	1.788	1.788	(0.429)	316324	86.4987	86.5	
17 Acetonitrile	39	1.788	1.788	(0.429)	213823	40.5653	40.6	
18 Methylene Chloride	84	1.863	1.862	(0.447)	96269	50.9098	50.9	
19 Acrylonitrile	53	1.996	1.996	(0.479)	93828	194.543	194	
20 Methyl-tert-butyl ether	73	2.023	2.023	(0.486)	238350	47.2620	47.3	
21 tert-Butyl Alcohol	59	1.900	1.900	(0.456)	14886	102.668	103(Q)	
22 1,2-Dichloroethene (trans)	96	2.039	2.039	(0.490)	97479	46.4011	46.4	

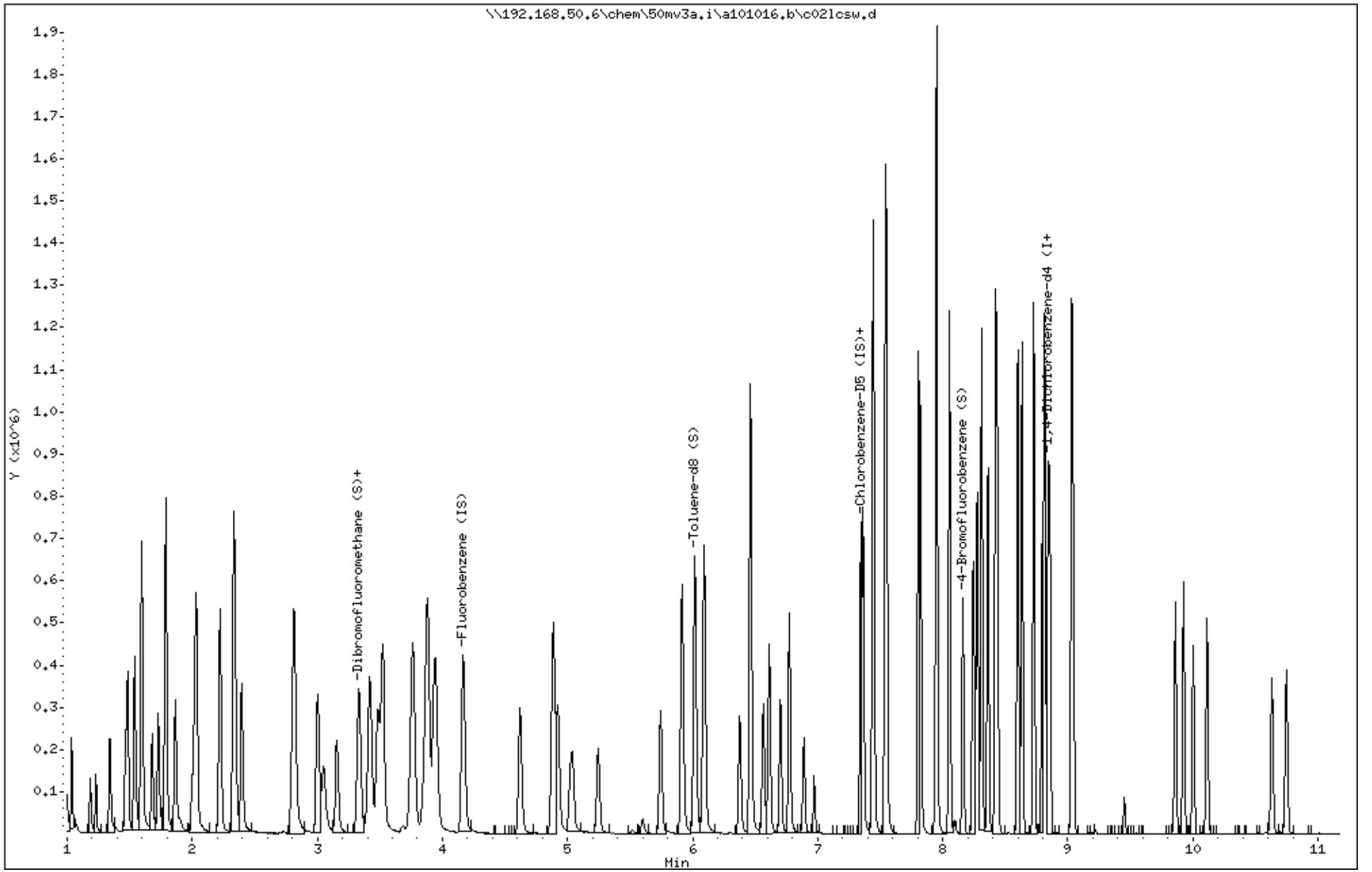
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 n-Hexane	57	2.221	2.220	(0.533)	205354	49.2215	49.2	
	24 Vinyl Acetate	43	2.327	2.327	(0.559)	752756	228.221	228	
	25 1,1-Dichloroethane	63	2.338	2.338	(0.561)	186052	47.1990	47.2	
	26 Chloroprene	53	2.397	2.397	(0.576)	175998	43.0895	43.1	
	27 2-Butanone	72	2.797	2.797	(0.672)	36399	258.287	258(Q)	
	28 1,2-Dichloroethene (cis)	96	2.813	2.813	(0.676)	106791	47.4478	47.4(Q)	
	29 2,2-Dichloropropane	77	2.819	2.824	(0.677)	135511	43.3744	43.4	
	30 Propionitrile	54	2.862	2.867	(0.687)	7038	35.8200	35.8(Q)	
	31 Methacrylonitrile	41	3.000	3.005	(0.720)	187875	201.023	201	
	32 Bromochloromethane	49	3.043	3.048	(0.731)	75467	46.7518	46.8	
	33 Tetrahydrofuran	42	3.070	3.069	(0.737)	19172	45.1862	45.2	
	34 Chloroform	83	3.161	3.155	(0.759)	169311	46.5387	46.5	
$	35 Dibromofluoromethane (S)	113	3.332	3.331	(0.800)	90709	47.6843	47.7	
	36 1,1,1-Trichloroethane	97	3.337	3.331	(0.801)	152266	44.1957	44.2	
	37 Cyclohexane	56	3.417	3.417	(0.820)	206246	49.9191	49.9	
	38 n-Butyl chloride	56	3.481	3.481	(0.836)	250563	48.5707	48.6	
	39 Carbon Tetrachloride	117	3.518	3.518	(0.845)	136153	47.2155	47.2	
	40 1,1-Dichloropropene	75	3.524	3.523	(0.846)	142690	45.8889	45.9	
	41 Benzene	78	3.764	3.764	(0.904)	413752	47.8023	47.8	
	42 1,2-Dichloroethane	62	3.855	3.849	(0.926)	115934	44.1420	44.1	
	43 2,2,4-Trimethylpentane	57	3.946	3.945	(0.947)	520339	49.9714	50.0	
	44 Isobutyl alcohol	43	3.876	3.876	(0.931)	812501	57.5297	57.5	
*	45 Fluorobenzene (IS)	96	4.165	4.164	(1.000)	420688	50.0000		
	46 Trichloroethene	95	4.619	4.618	(1.109)	98254	44.8412	44.8	
	47 Methylcyclohexane	55	4.886	4.885	(1.173)	179279	53.3001	53.3	
	48 1,2-Dichloropropane	63	4.923	4.923	(1.182)	108117	53.2390	53.2	
	49 Dibromomethane	93	5.019	5.019	(1.205)	46014	49.5691	49.6	
	50 1,4-Dioxane	88	5.030	5.030	(1.208)	12910	1030.33	1030	
	51 Methyl methacrylate	69	5.035	5.040	(1.209)	53325	58.6886	58.7	
	52 Bromodichloromethane	83	5.244	5.243	(1.259)	124319	53.0983	53.1	
	53 2-Chloroethyl vinyl ether	63	5.602	5.601	(0.763)	14326	168.901	169	
	54 cis-1,3-Dichloropropene	75	5.740	5.745	(0.782)	154845	50.1327	50.1	
	55 4-Methyl-2-Pentanone	43	5.917	5.916	(0.806)	383643	270.598	270	
$	56 Toluene-d8 (S)	98	6.018	6.018	(0.820)	399785	46.9583	47.0	
	57 Toluene	91	6.093	6.093	(0.830)	456973	45.2112	45.2	
	58 trans-1,3-Dichloropropene	75	6.376	6.376	(0.868)	123524	49.3647	49.4	
	59 Ethyl Methacrylate	69	6.461	6.461	(0.880)	426176	229.317	229	
	60 1,1,2-Trichloroethane	83	6.563	6.563	(0.894)	61097	50.7828	50.8	
	61 Tetrachloroethene	166	6.616	6.616	(0.901)	103326	45.0074	45.0	
	62 1,3-Dichloropropane	76	6.702	6.707	(0.913)	132728	52.4154	52.4	
	63 2-Hexanone	43	6.771	6.776	(0.922)	263098	292.490	292	
	64 Dibromochloromethane	129	6.889	6.888	(0.938)	87808	52.0816	52.1	
	65 1,2-Dibromoethane	107	6.974	6.974	(0.950)	67182	51.8156	51.8	
*	66 Chlorobenzene-D5 (IS)	117	7.343	7.342	(1.000)	274570	50.0000		
	67 Chlorobenzene	112	7.364	7.364	(1.003)	269943	47.7810	47.8	
	68 1,1,1,2-Tetrachloroethane	131	7.444	7.444	(1.014)	96218	53.9911	54.0	
	69 Ethylbenzene	106	7.450	7.449	(1.015)	162390	52.3905	52.4	
	70 m&p-Xylene	106	7.546	7.545	(1.028)	388038	101.977	102	
	71 o-Xylene	106	7.807	7.807	(1.063)	184858	52.4729	52.5	
	72 Styrene	104	7.823	7.823	(1.065)	313489	54.9732	55.0	
	73 Bromoform	173	7.941	7.941	(0.898)	44698	52.3746	52.4	
	74 Isopropylbenzene	105	8.053	8.053	(1.097)	516419	52.9224	52.9	
$	75 4-Bromofluorobenzene (S)	95	8.160	8.165	(1.111)	129100	52.7350	52.7	
	76 Bromobenzene	77	8.240	8.240	(1.122)	167513	52.2528	52.2	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
77	1,1,2,2-Tetrachloroethane	83	8.256	8.256	(0.934)	84568	55.0020	55.0	
78	trans-1,4-Dichloro-2-butene	53	8.272	8.272	(1.127)	97165	217.400	217(Q)	
79	1,2,3-Trichloropropane	110	8.283	8.282	(0.937)	25466	52.2022	52.2(Q)	
80	n-Propylbenzene	91	8.309	8.309	(0.940)	583500	53.1882	53.2	
81	2-Chlorotoluene	91	8.363	8.357	(0.946)	329268	53.6462	53.6	
82	1,3,5-Trimethylbenzene	105	8.422	8.421	(0.953)	392808	52.9677	53.0	
83	4-Chlorotoluene	126	8.432	8.432	(0.954)	110766	51.0084	51.0	
84	tert-Butylbenzene	119	8.603	8.603	(0.973)	364724	43.0837	43.1	
85	1,2,4-Trimethylbenzene	105	8.635	8.635	(0.977)	398454	53.2741	53.3	
86	sec-Butylbenzene	105	8.726	8.726	(0.987)	544175	54.0816	54.1	
87	1,3-Dichlorobenzene	146	8.795	8.795	(0.995)	187127	47.7312	47.7	
88	p-Isopropyltoluene	119	8.811	8.811	(0.997)	439441	52.3820	52.4	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.838	8.838	(1.000)	122248	50.0000		
90	1,4-Dichlorobenzene	146	8.854	8.854	(1.002)	188055	46.2996	46.3	
91	n-Butylbenzene	91	9.030	9.030	(1.022)	394199	52.0039	52.0	
92	1,2-Dichlorobenzene	146	9.046	9.046	(1.024)	176318	49.6547	49.6	
93	1,2,4-Trichlorobenzene	180	9.858	9.858	(1.115)	114448	48.6236	48.6	
94	1,2-Dibromo-3-chloropropane	155	9.452	9.452	(1.069)	11040	55.7913	55.8	
95	Hexachlorobutadiene	225	9.922	9.927	(1.123)	74673	51.7014	51.7	
96	Naphthalene	128	10.003	10.002	(1.132)	257972	53.5891	53.6	
97	1,2,3-Trichlorobenzene	180	10.115	10.114	(1.144)	109153	49.0039	49.0	
98	2,methyl-naphthalene	142	10.633	10.632	(1.203)	147460	46.9254	46.9	
99	1-Methylnaphthalene	142	10.745	10.745	(1.216)	155943	58.0192	58.0	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d
Date : 10-OCT-2016 22:20
Client ID: MBLCS
Instrument: 50mv3a.i
Sample Info: 1645430,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

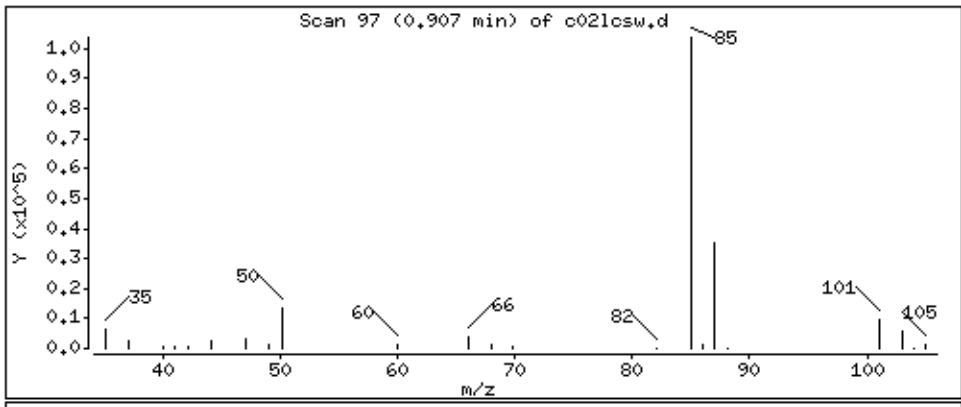
Column phase: DB-624

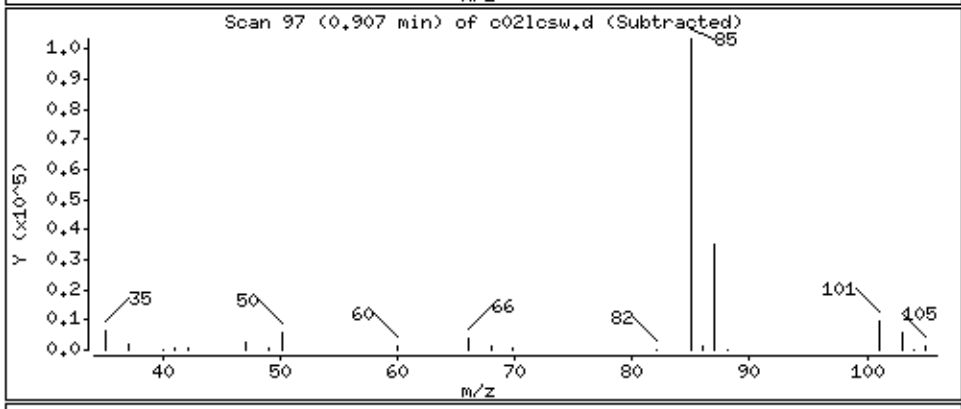
Column diameter: 0.18

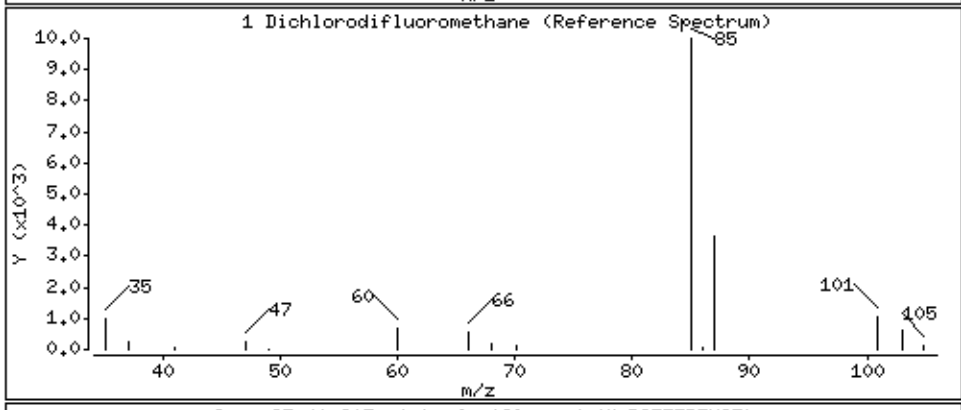
1 Dichlorodifluoromethane

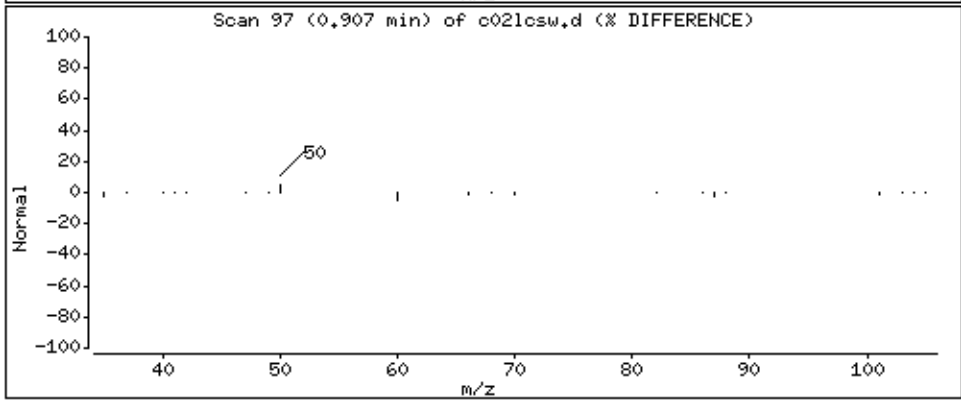
Concentration: 37.6 ppb

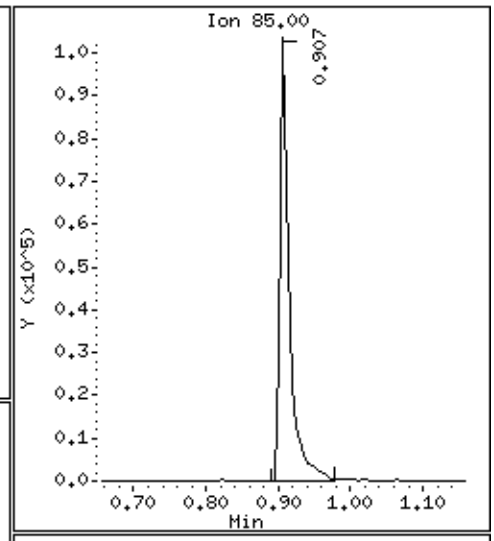
Review Code:

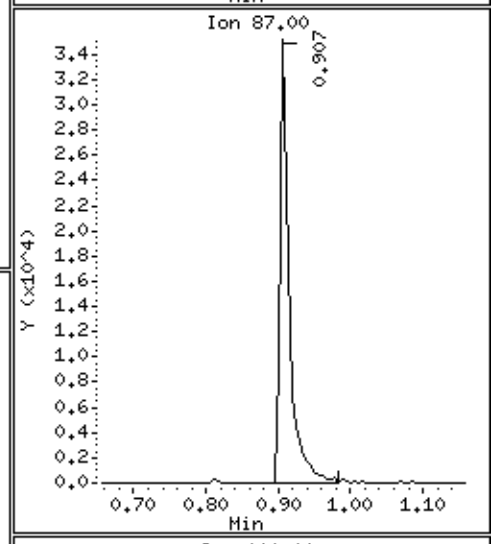


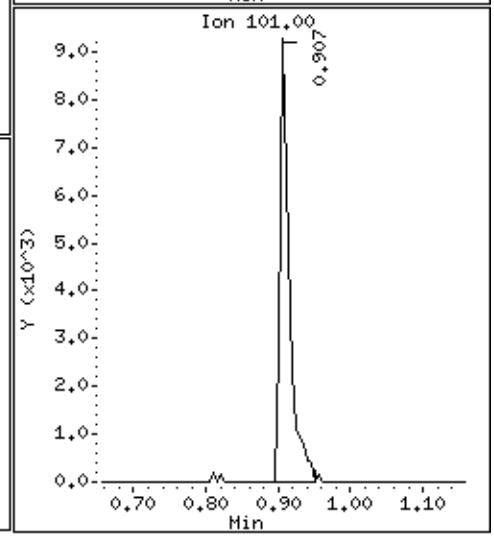












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

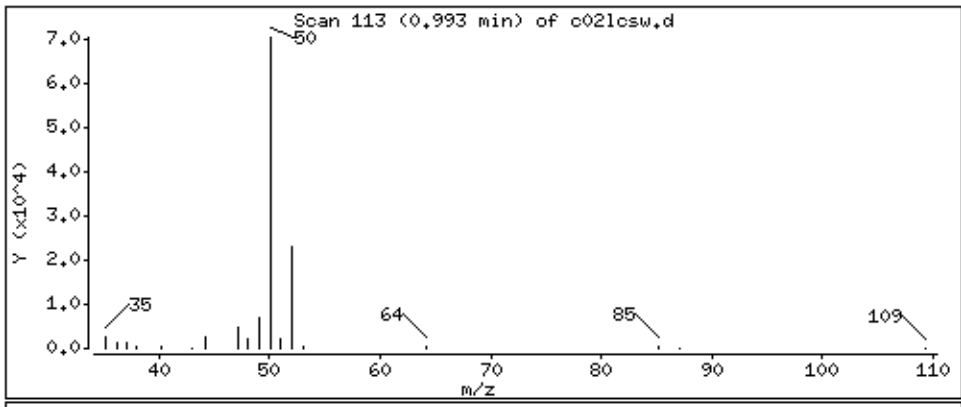
Column phase: DB-624

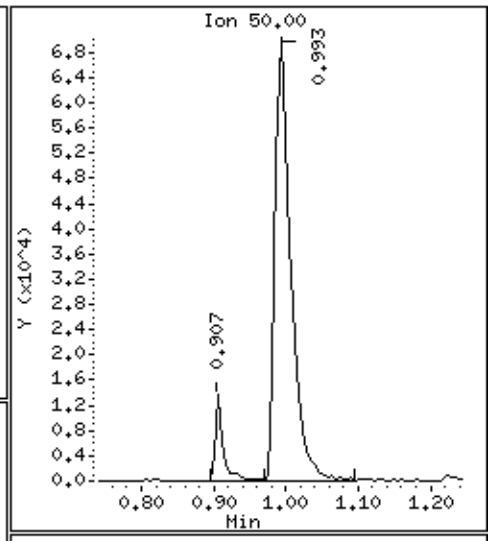
Column diameter: 0.18

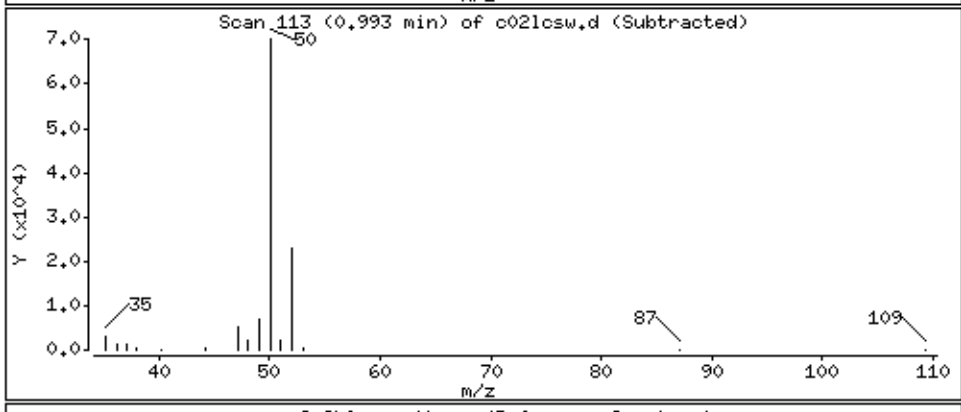
2 Chloromethane

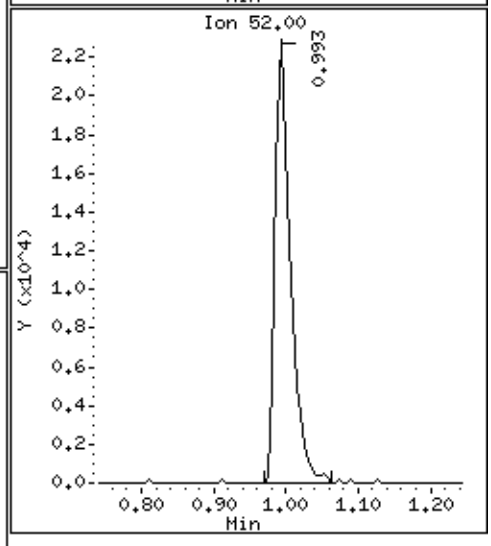
Concentration: 37.5 ppb

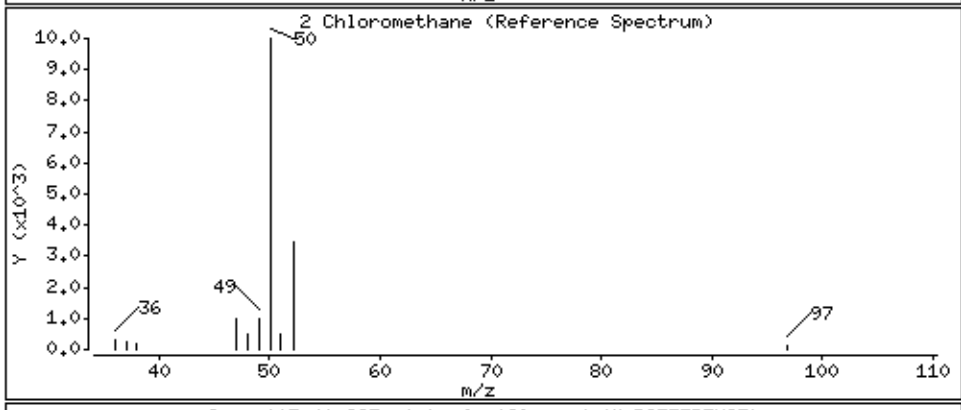
Review Code:

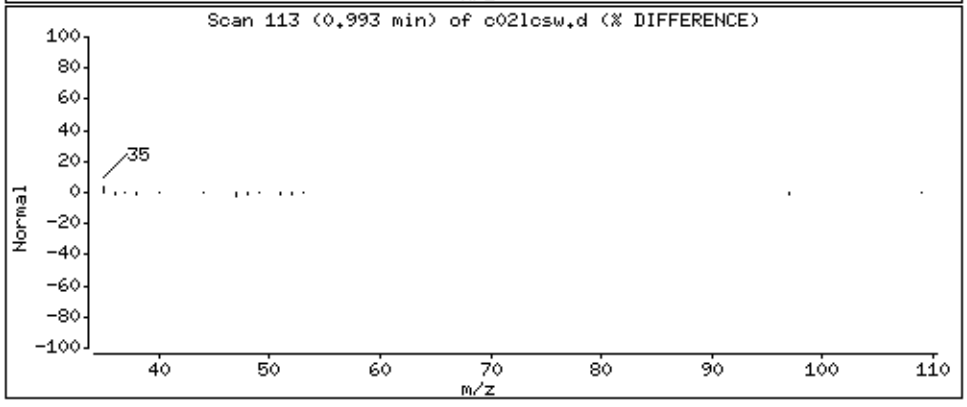












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

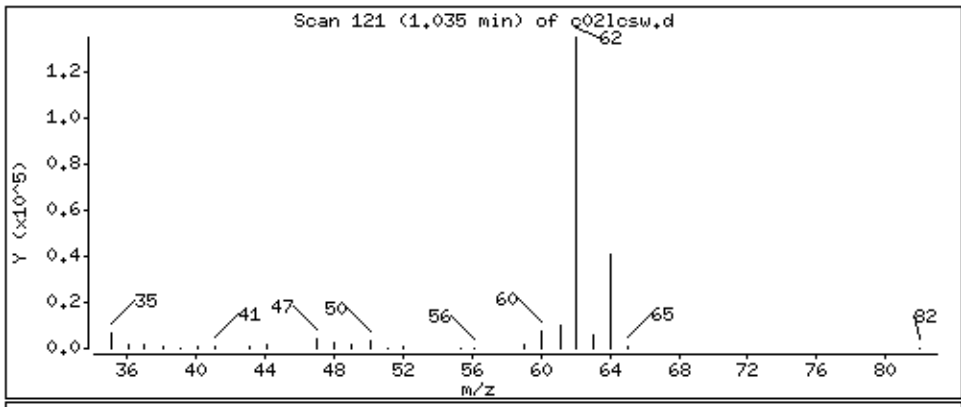
Column phase: DB-624

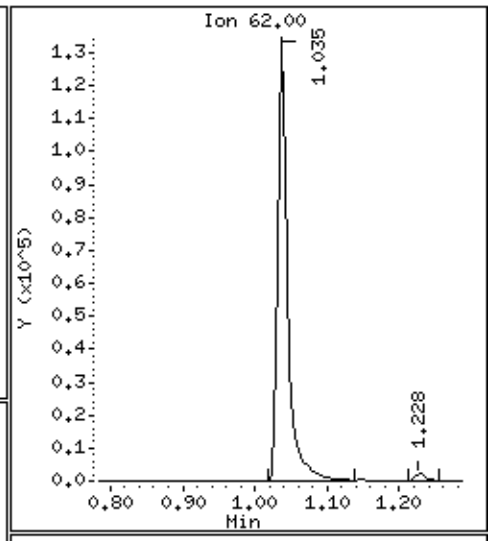
Column diameter: 0.18

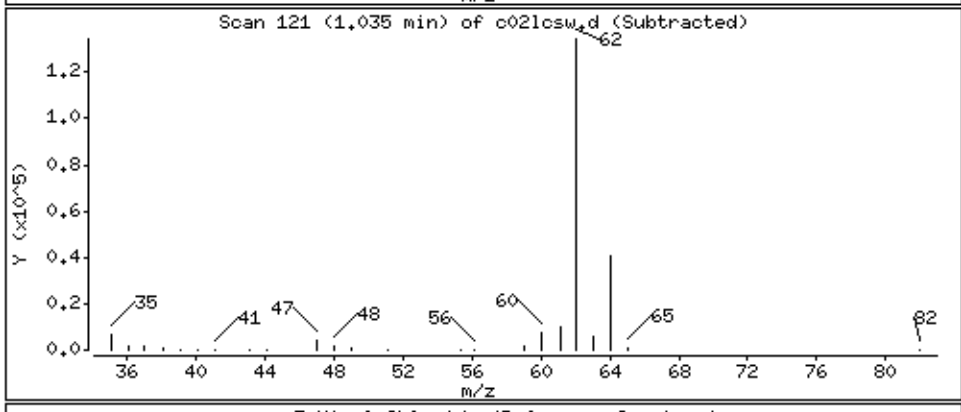
3 Vinyl Chloride

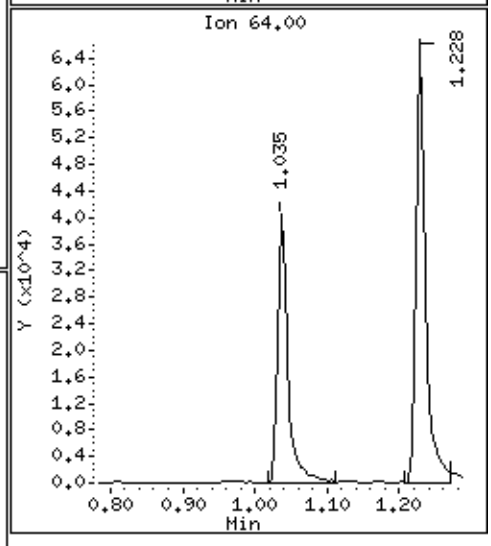
Concentration: 41.7 ppb

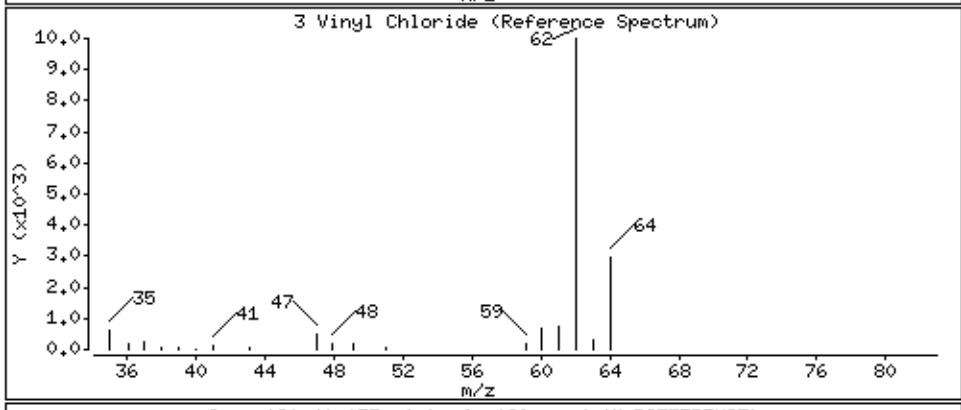
Review Code:

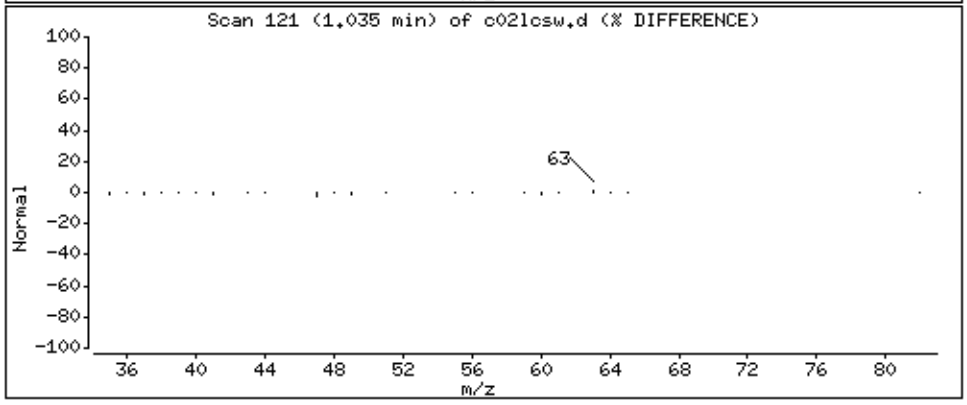












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

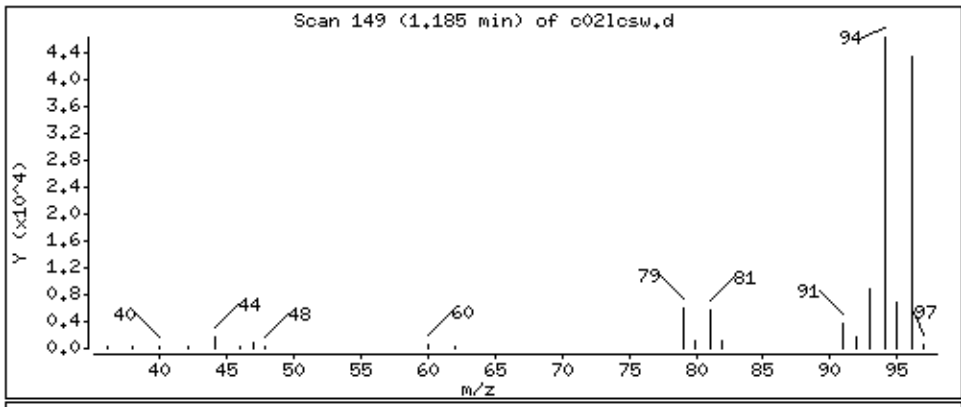
Column phase: DB-624

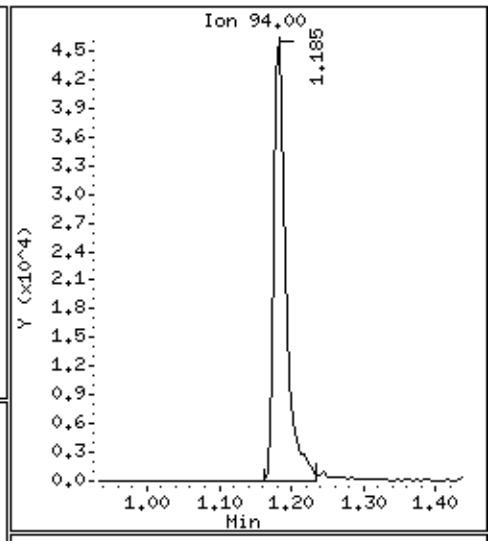
Column diameter: 0.18

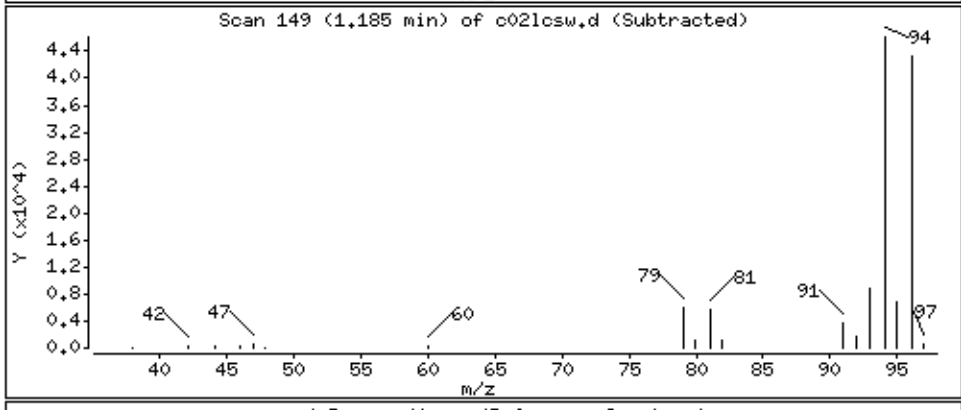
4 Bromomethane

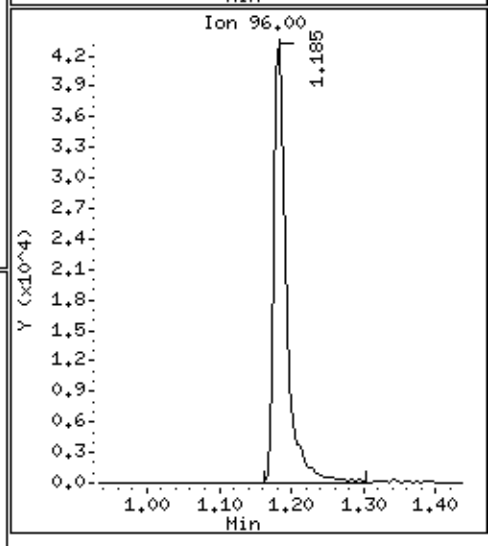
Concentration: 38.5 ppb

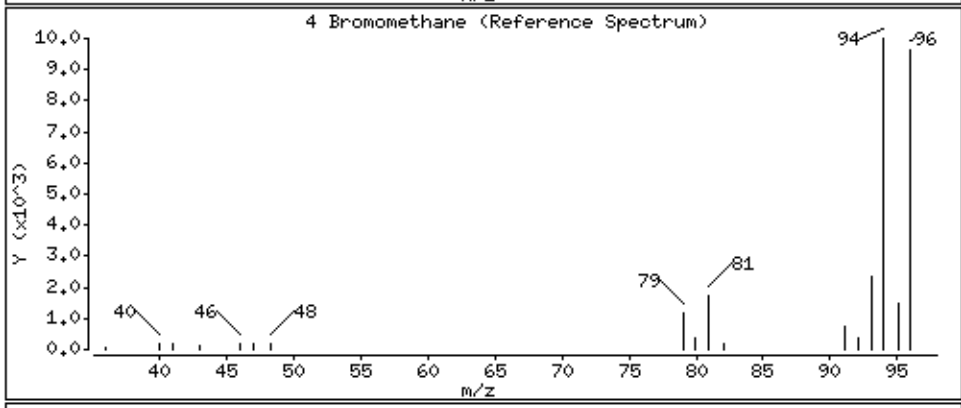
Review Code:

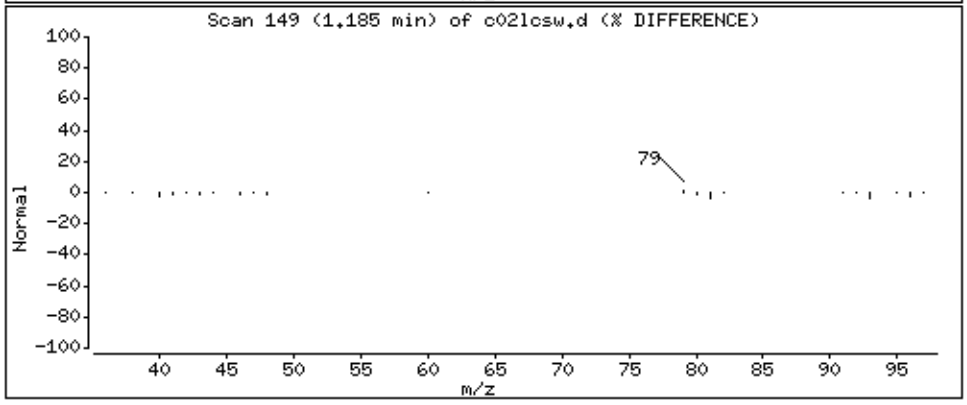












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

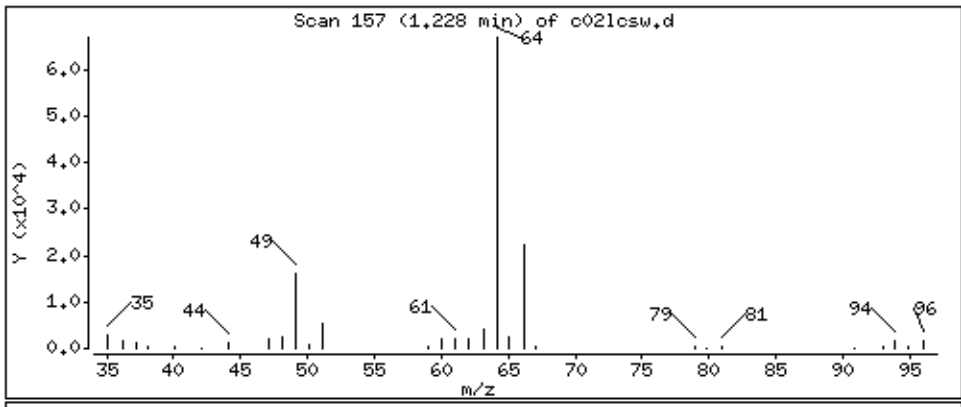
Column phase: DB-624

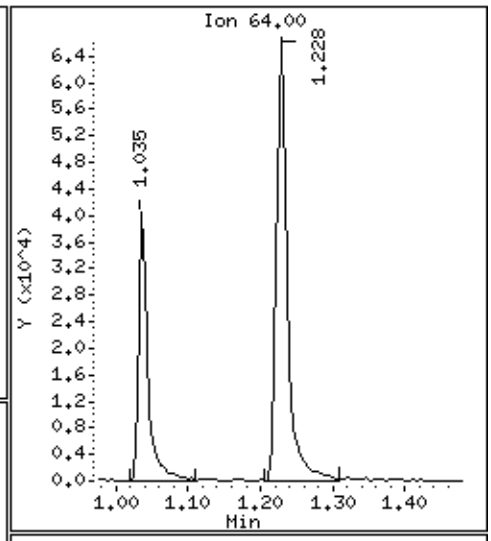
Column diameter: 0.18

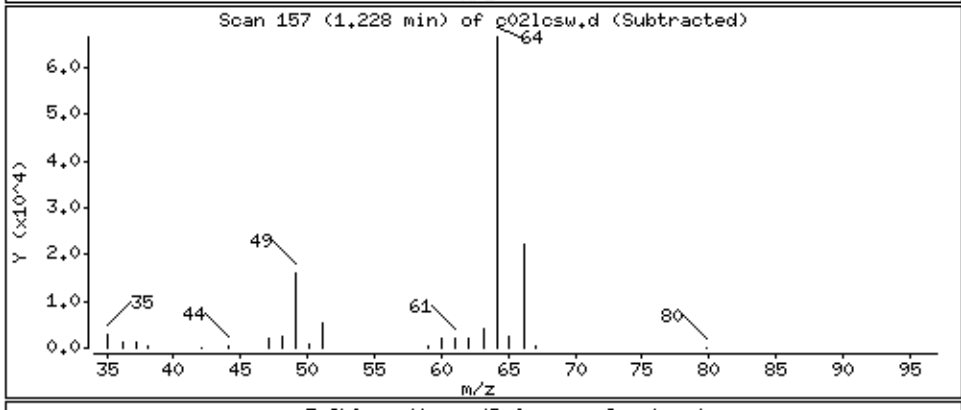
5 Chloroethane

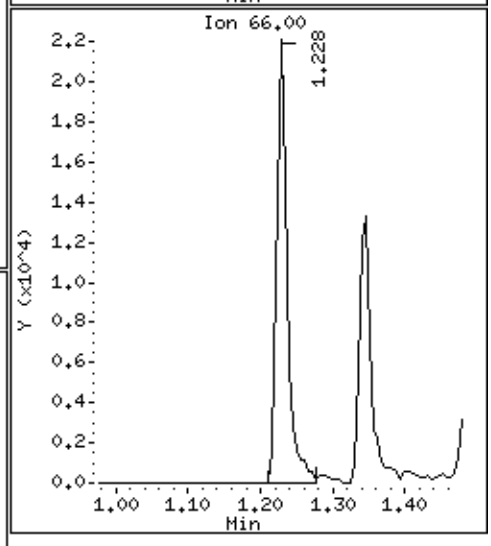
Concentration: 38.6 ppb

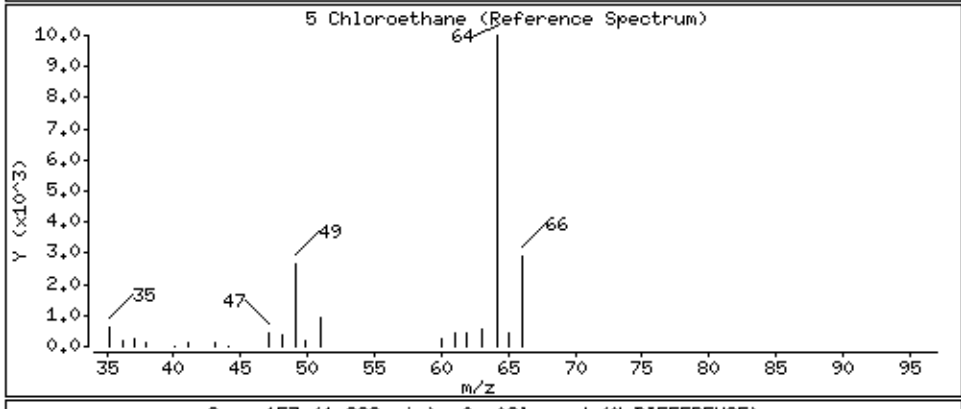
Review Code:

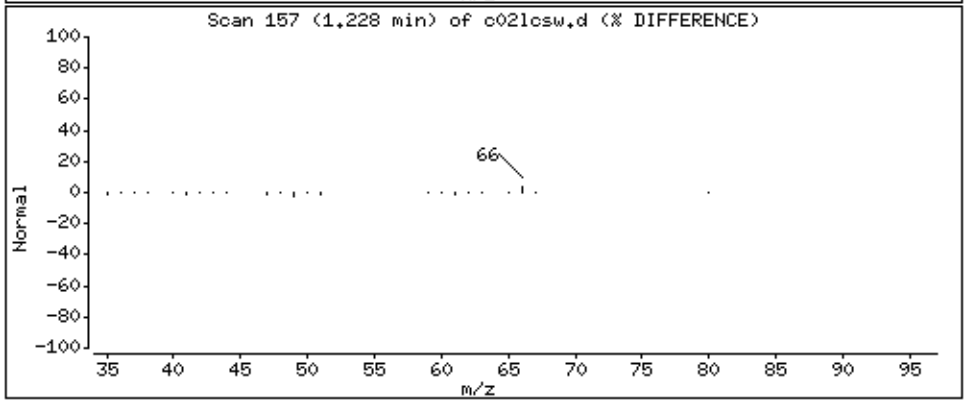












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Page 10

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

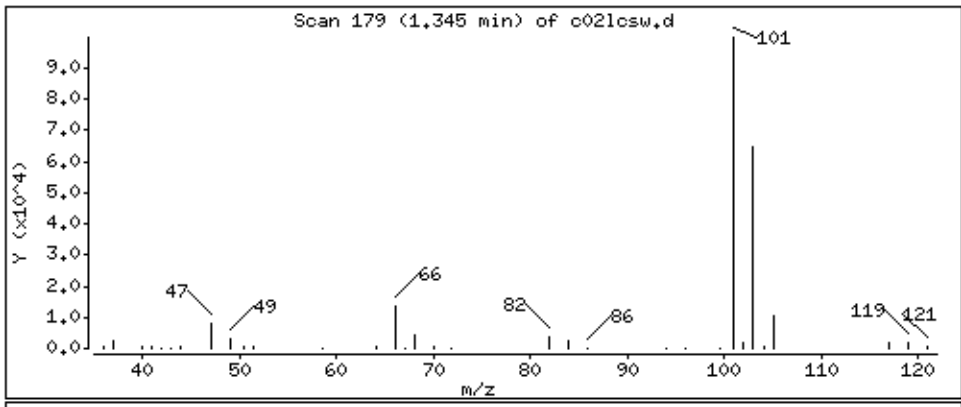
Column phase: DB-624

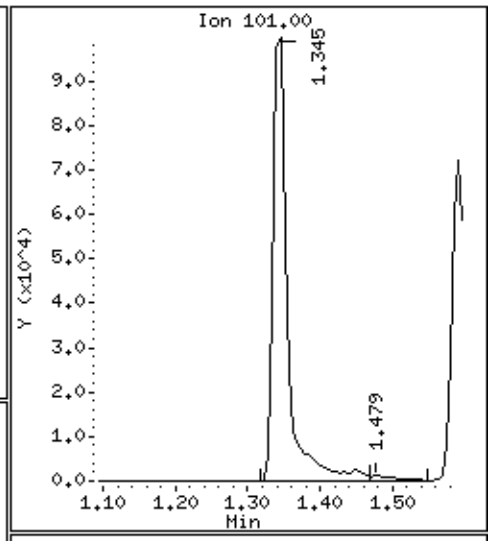
Column diameter: 0.18

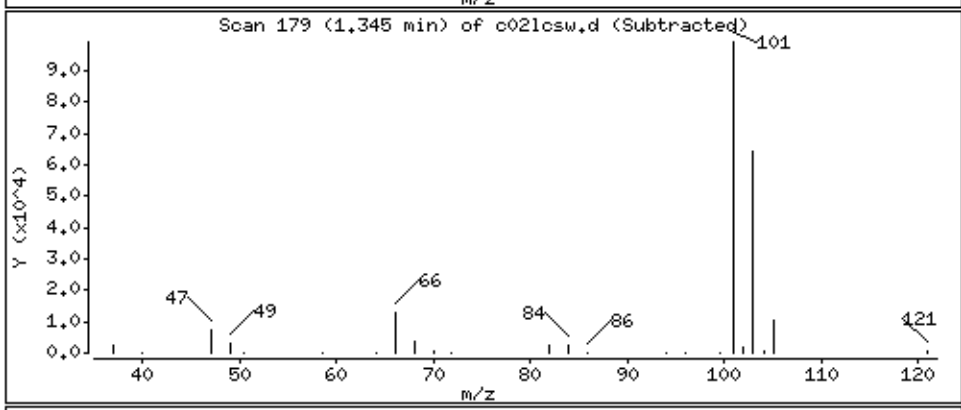
6 Trichlorofluoromethane

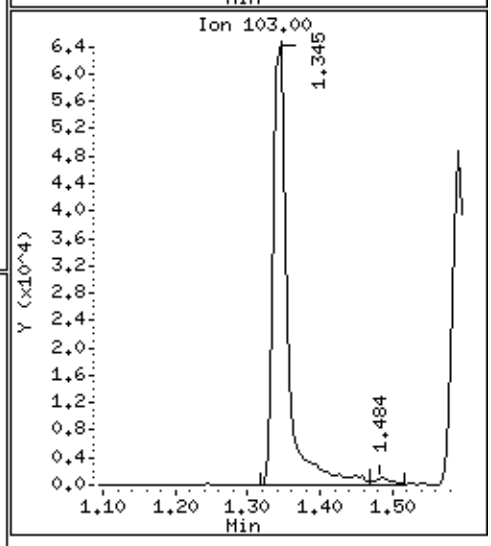
Concentration: 41.4 ppb

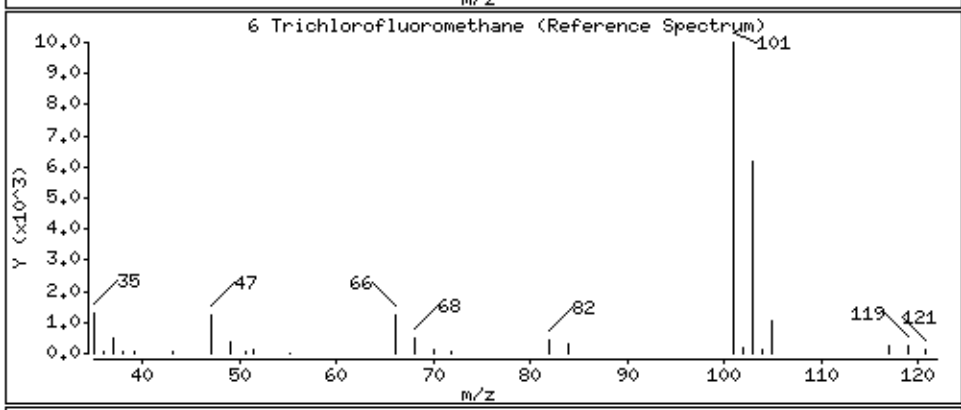
Review Code:

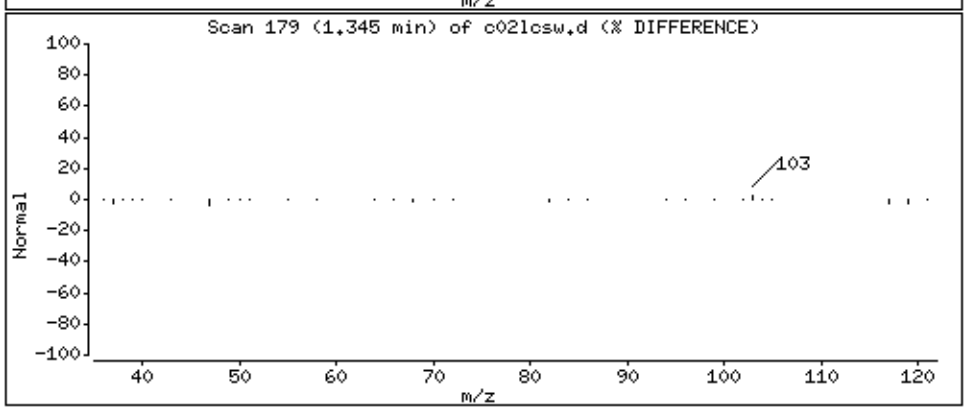












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

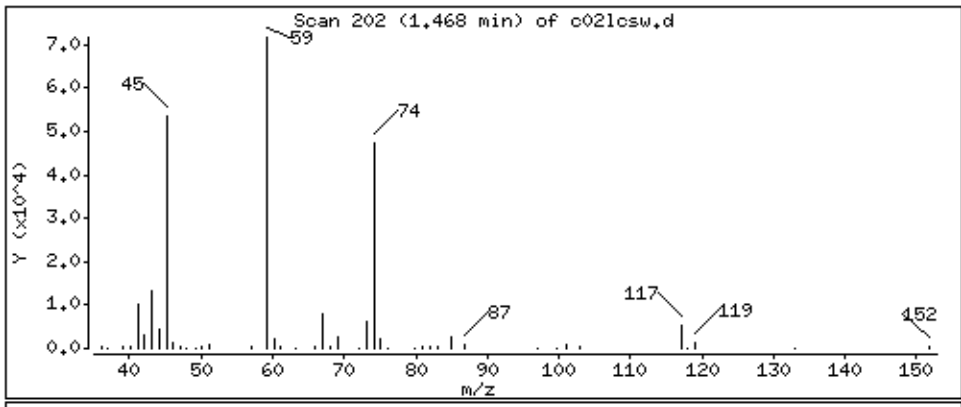
Column phase: DB-624

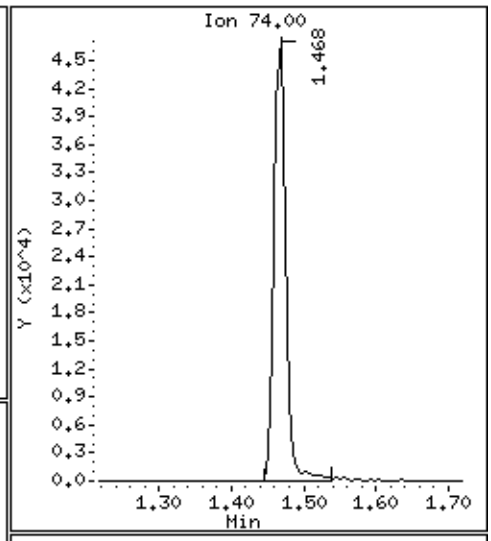
Column diameter: 0.18

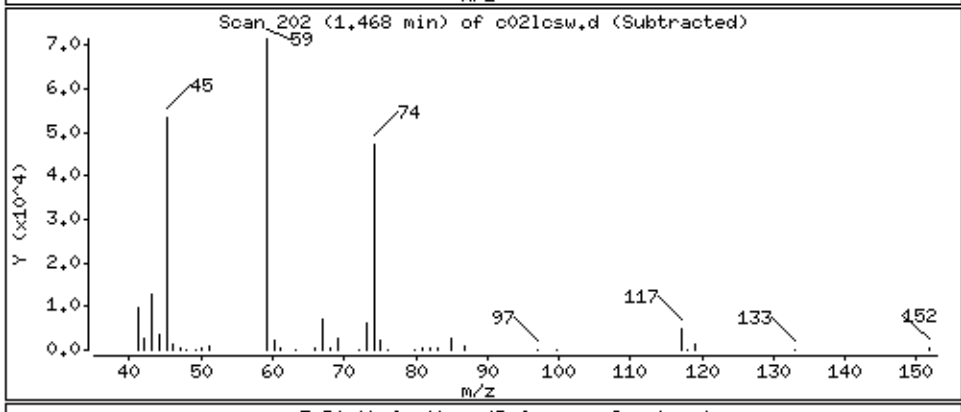
7 Diethyl ether

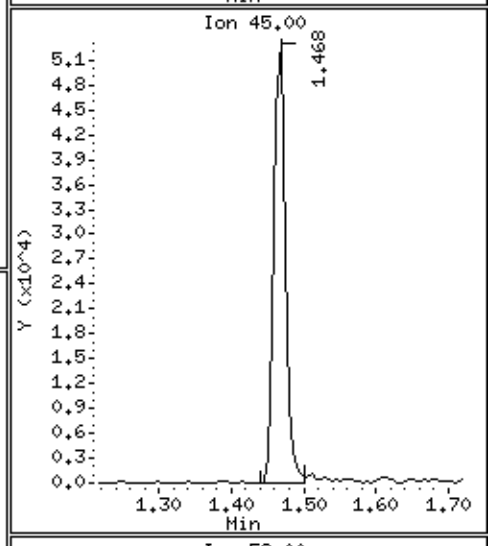
Concentration: 40.1 ppb

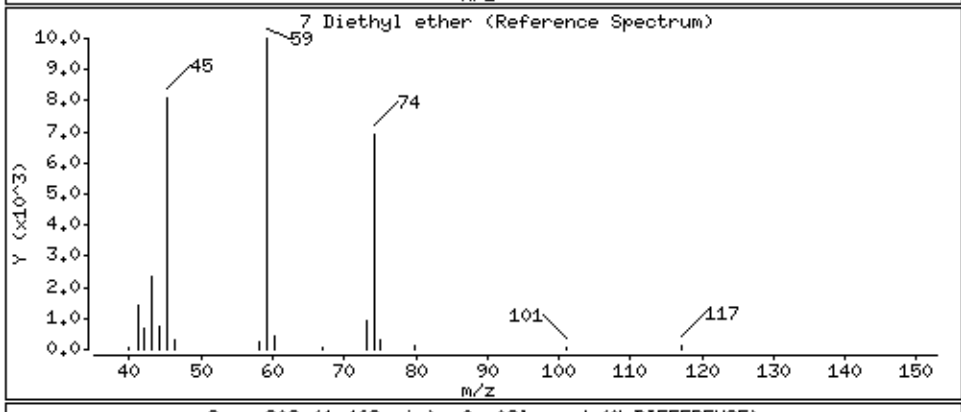
Review Code:

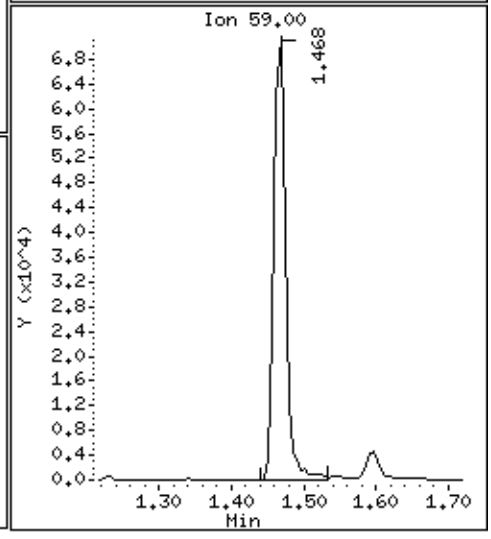


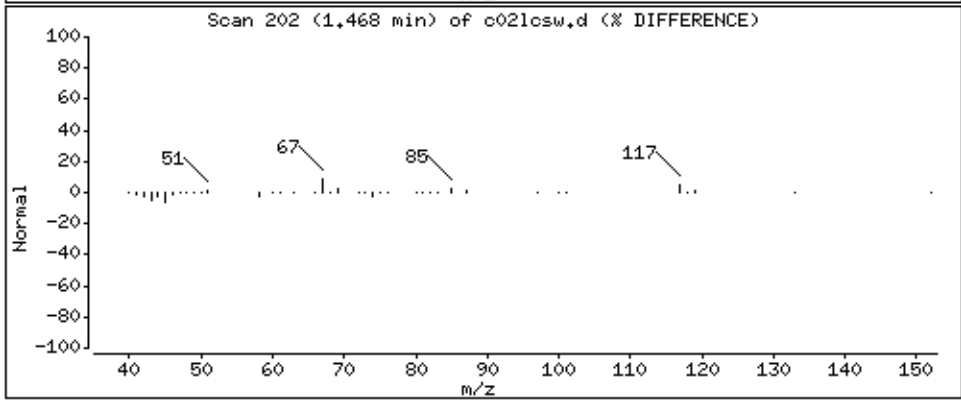












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

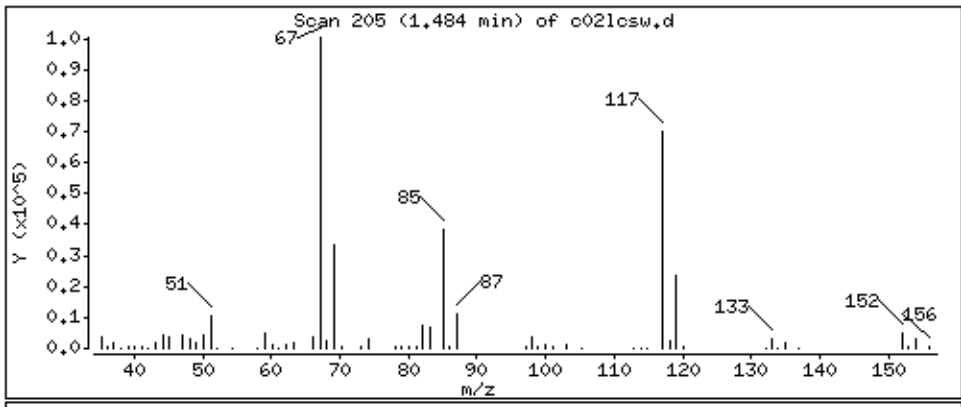
Column phase: DB-624

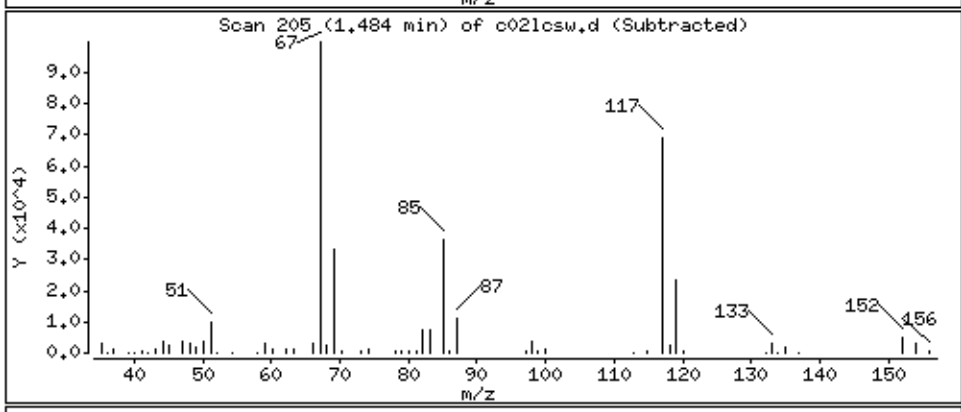
Column diameter: 0.18

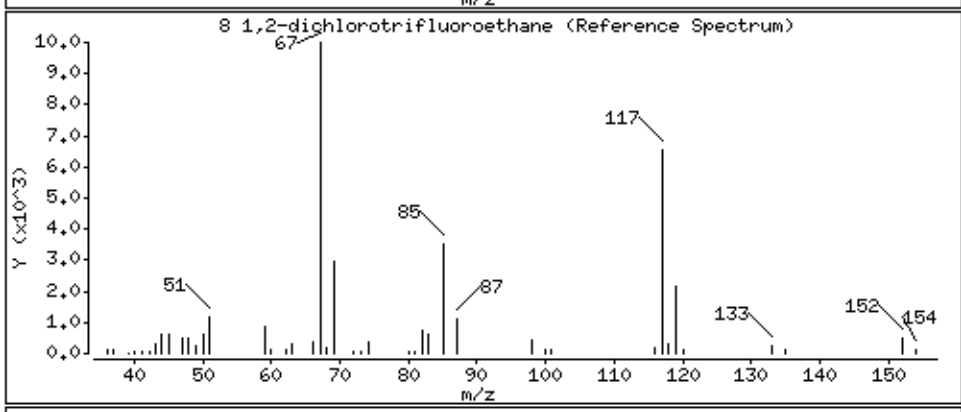
8 1,2-dichlorotrifluoroethane

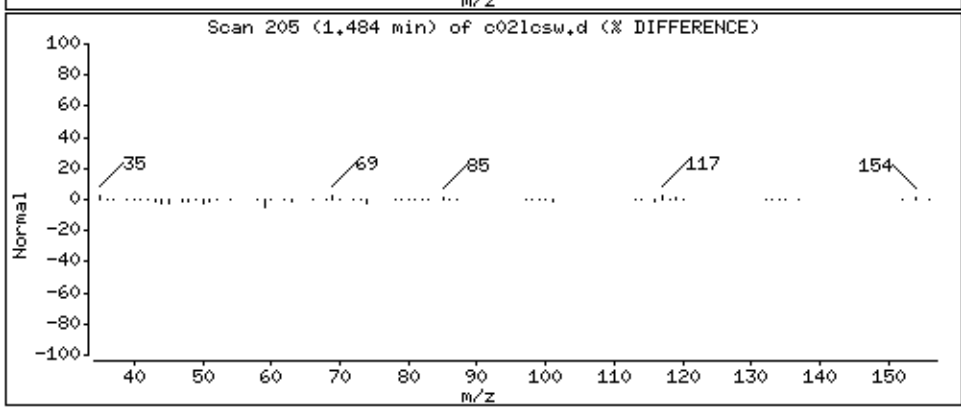
Concentration: 41.4 ppb

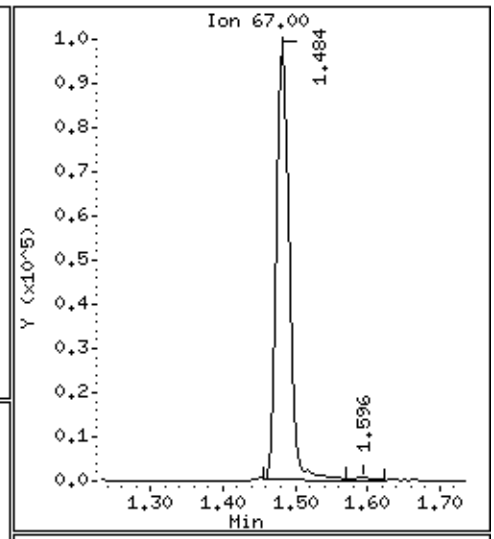
Review Code:

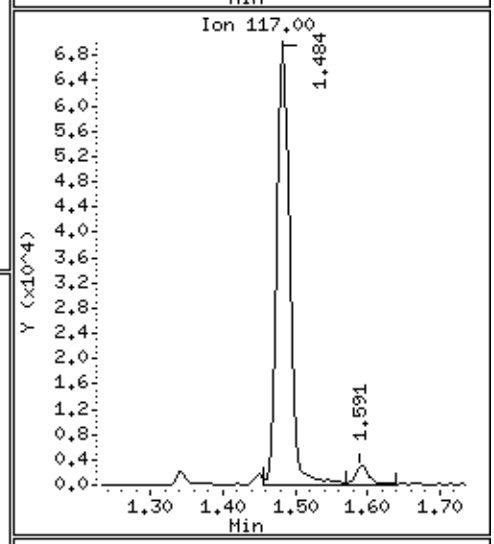


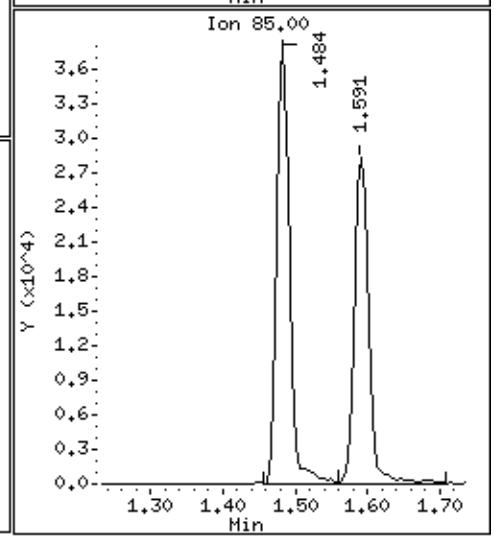












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

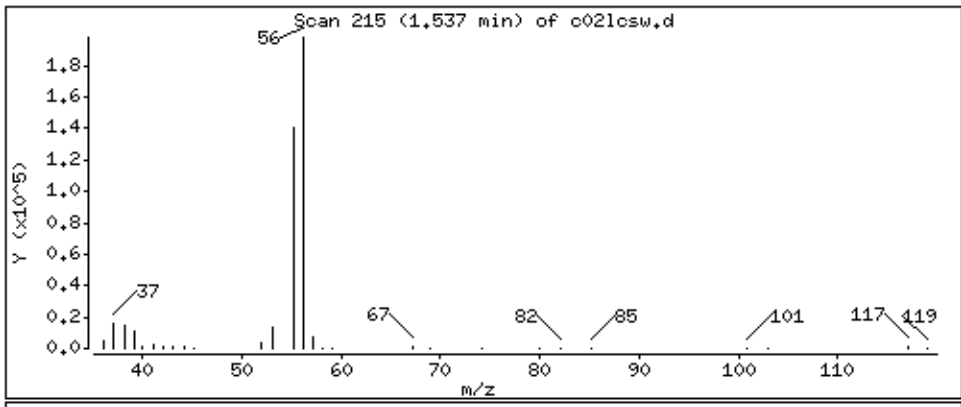
Column phase: DB-624

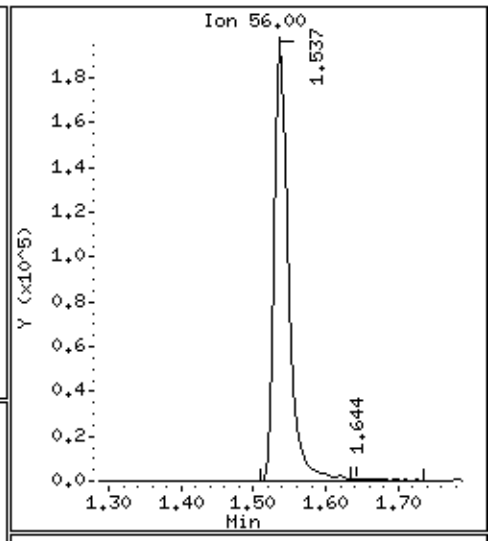
Column diameter: 0.18

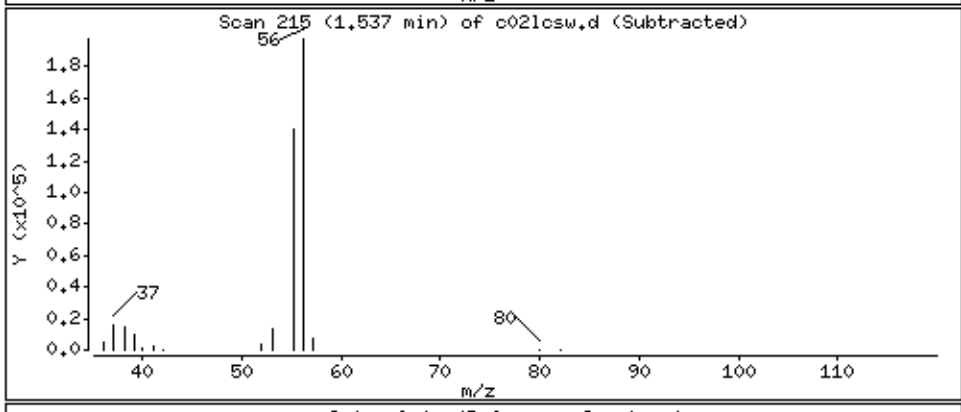
9 Acrolein

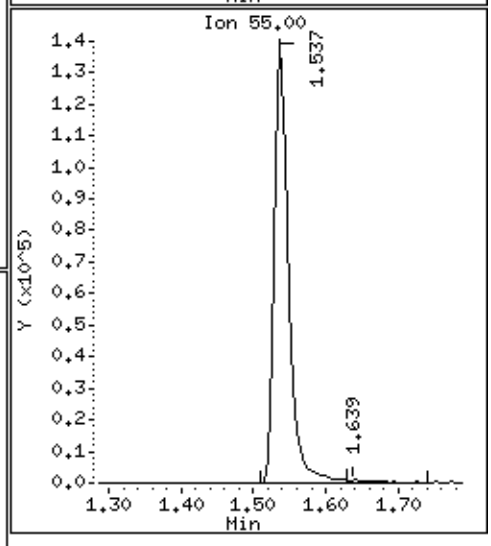
Concentration: 1160 ppb

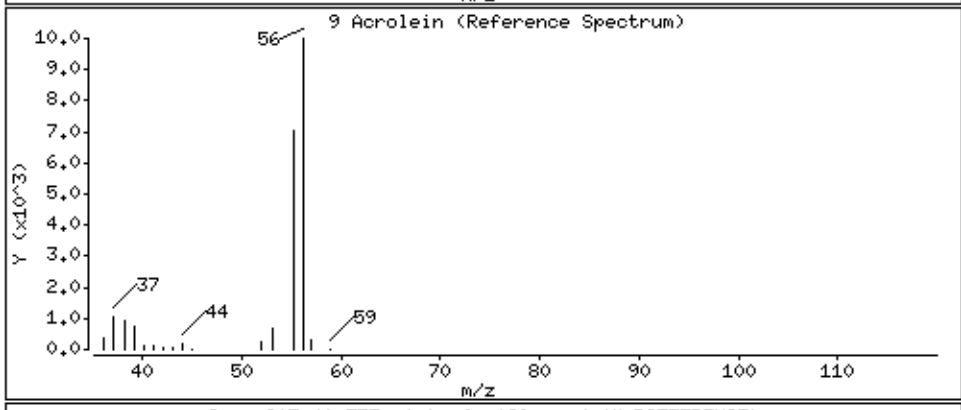
Review Code:

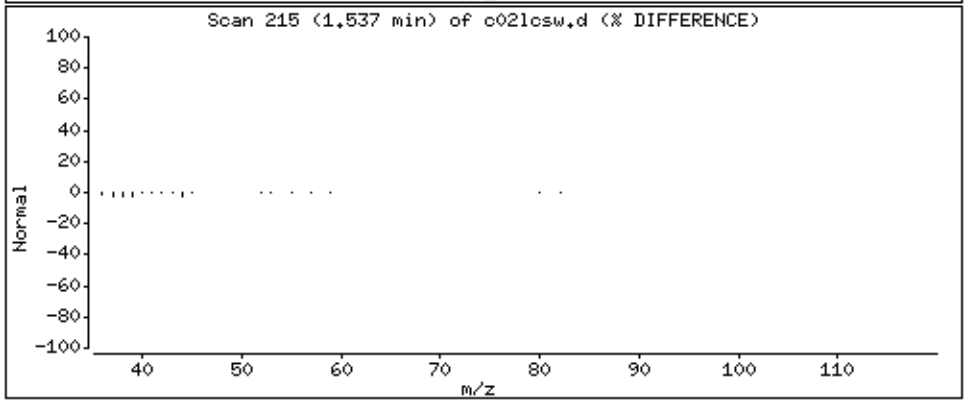












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

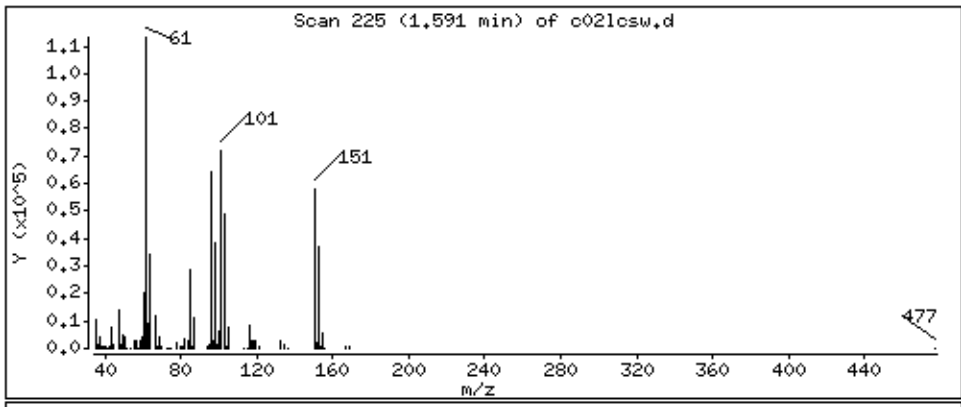
Column phase: DB-624

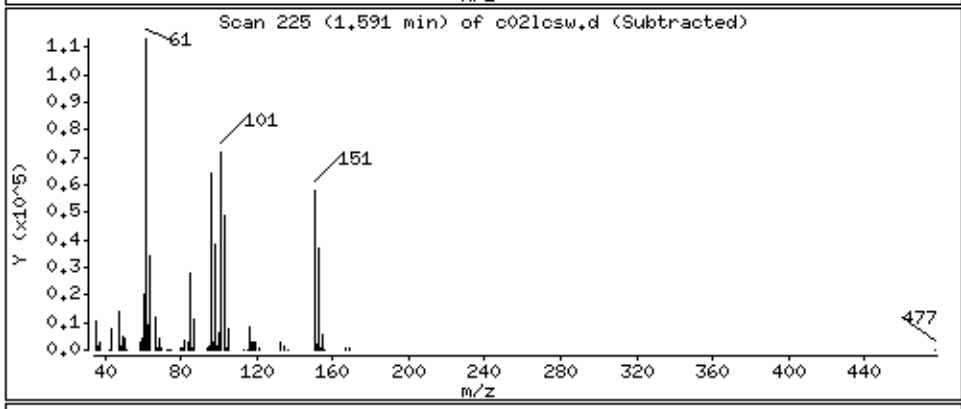
Column diameter: 0.18

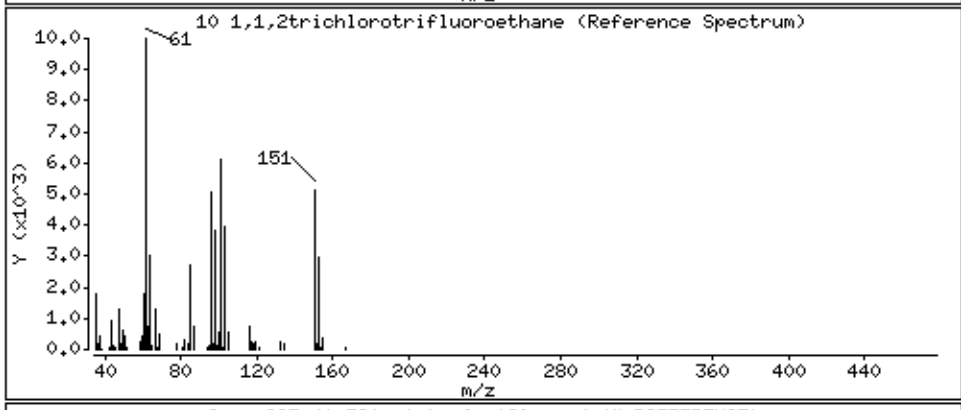
10 1,1,2trichlorotrifluoroethane

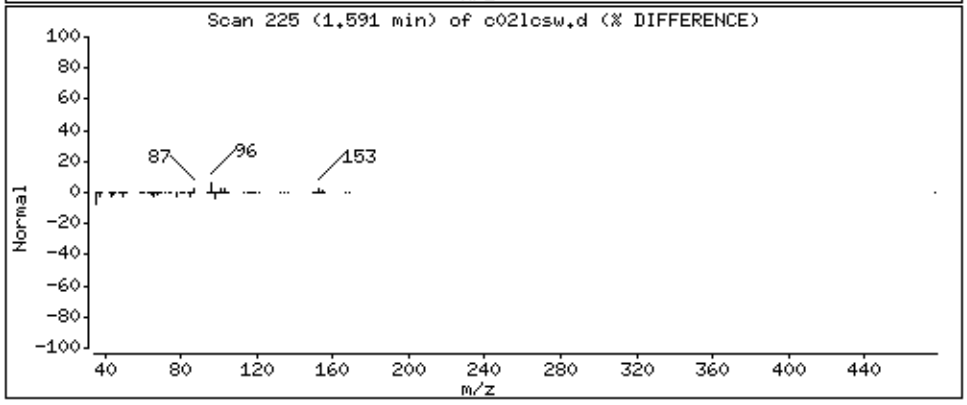
Concentration: 41.2 ppb

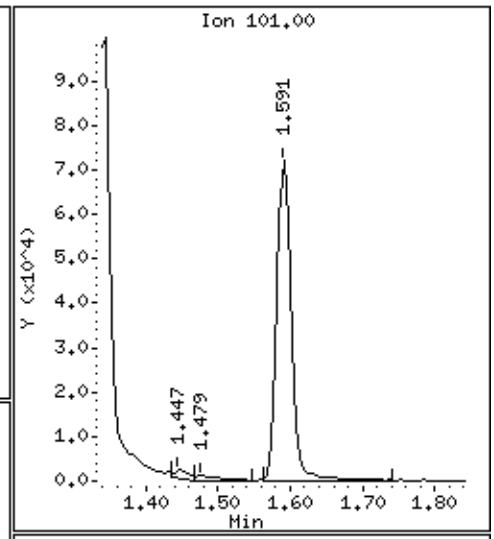
Review Code:

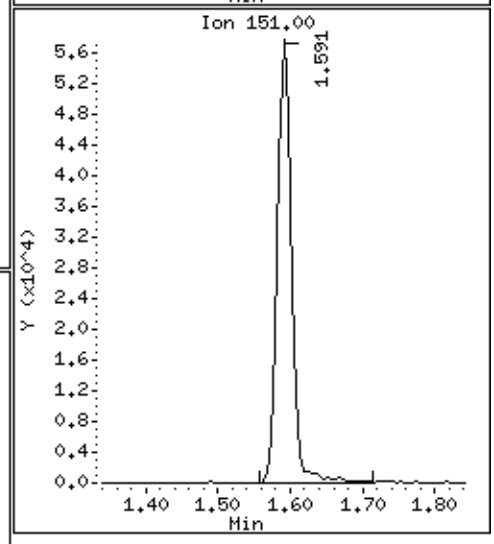












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

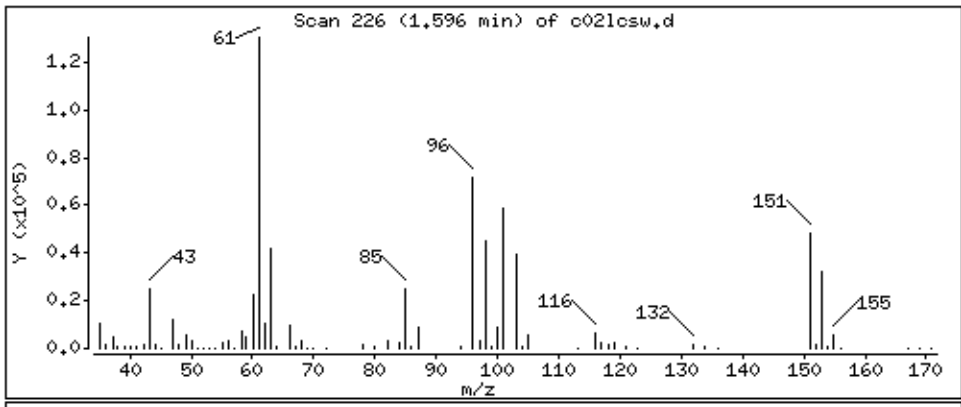
Column phase: DB-624

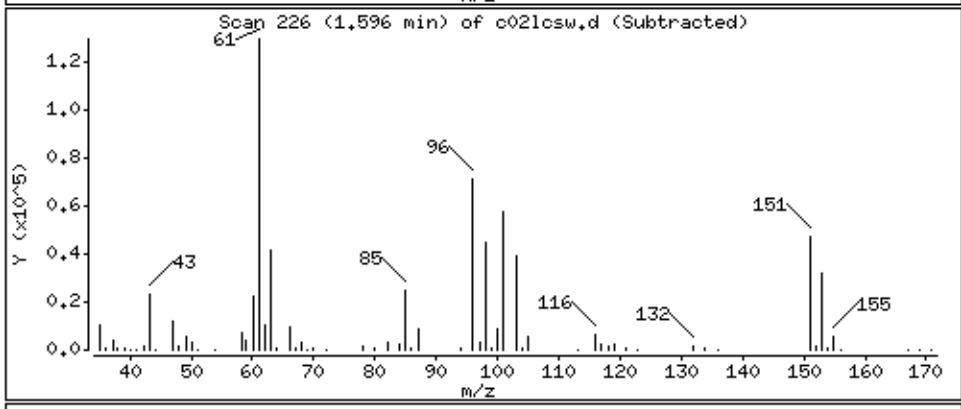
Column diameter: 0.18

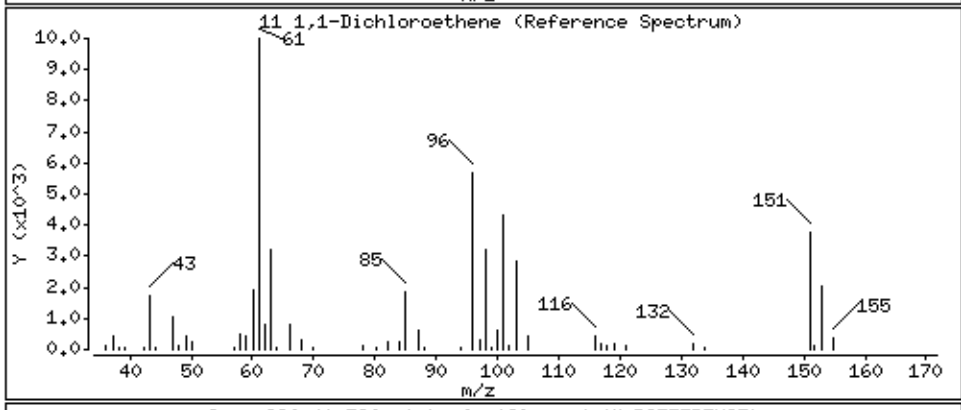
11 1,1-Dichloroethene

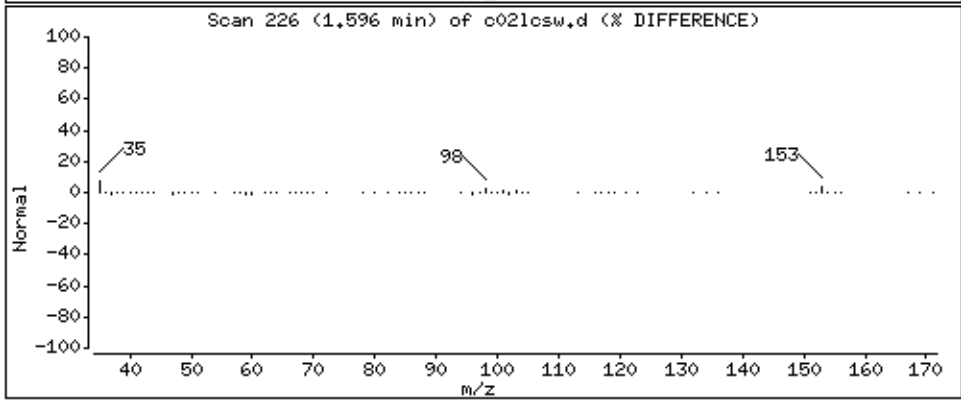
Concentration: 42.2 ppb

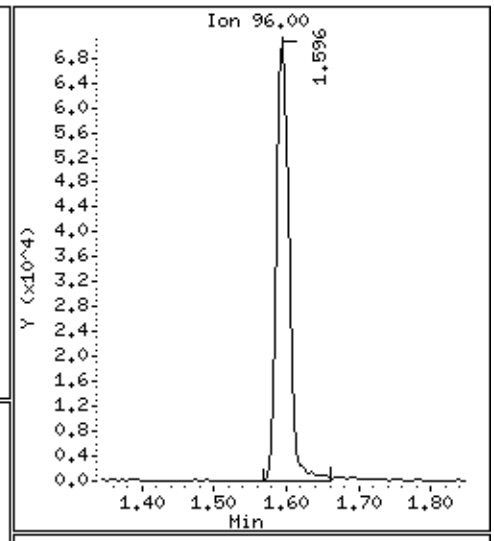
Review Code:

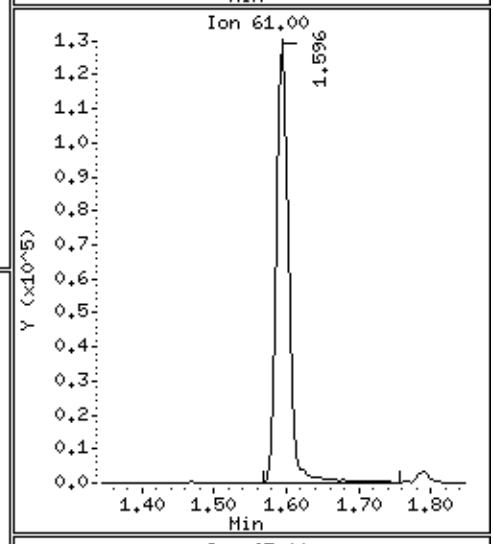


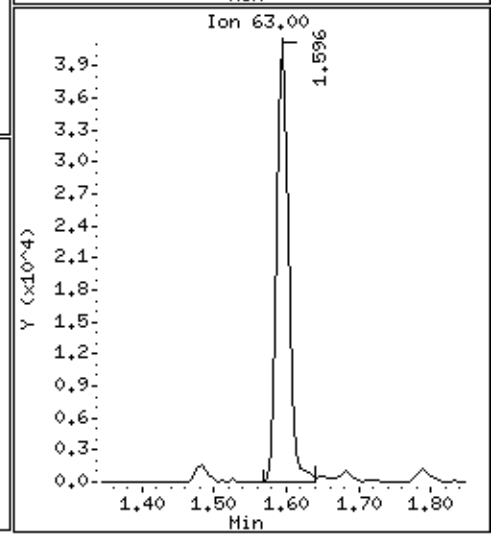












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

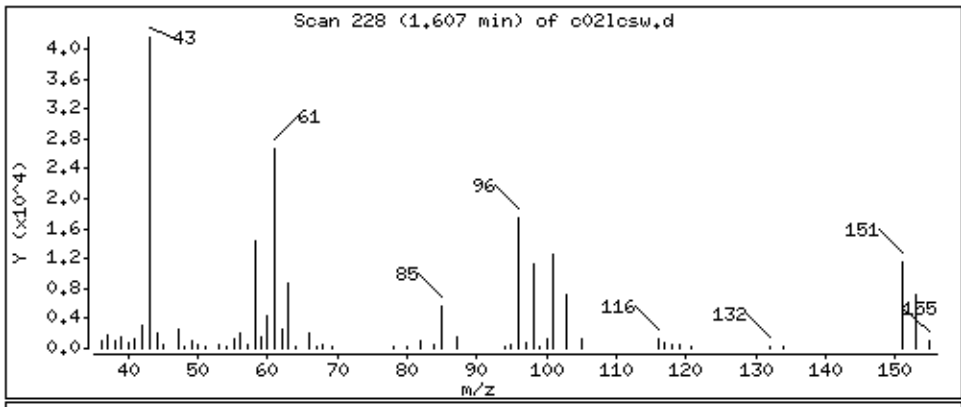
Column phase: DB-624

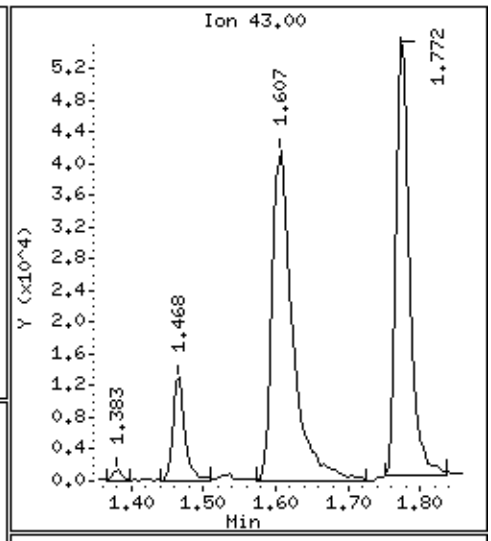
Column diameter: 0.18

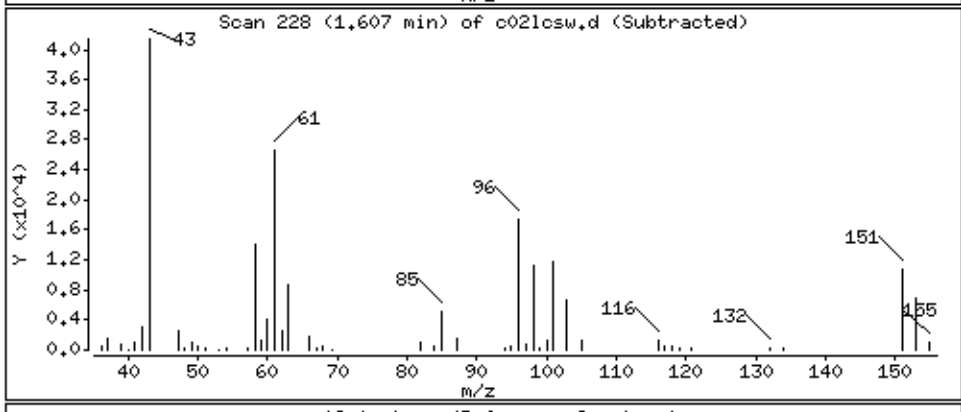
12 Acetone

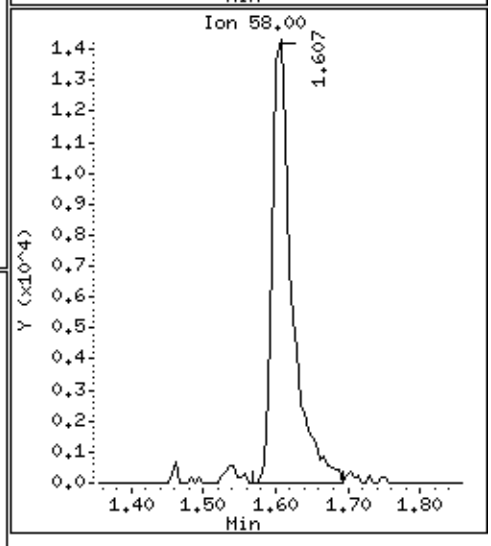
Concentration: 206 ppb

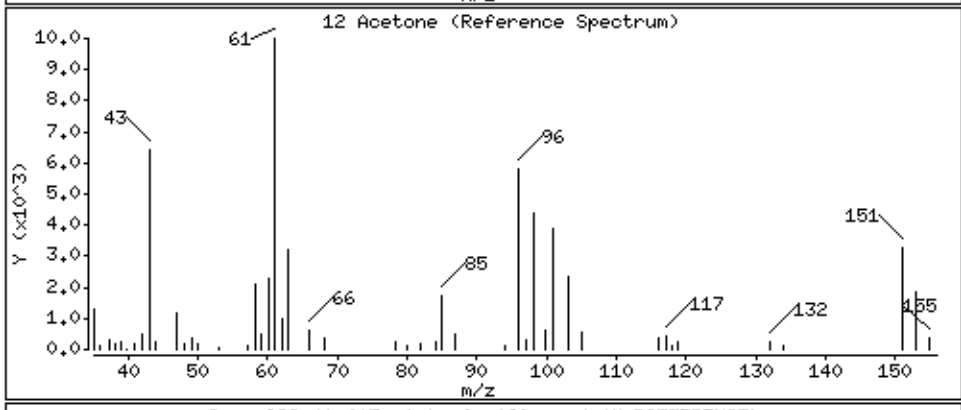
Review Code:

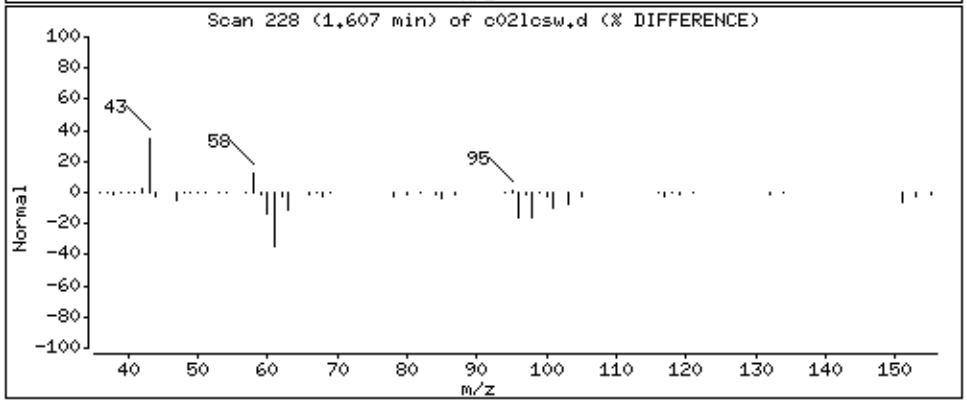












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

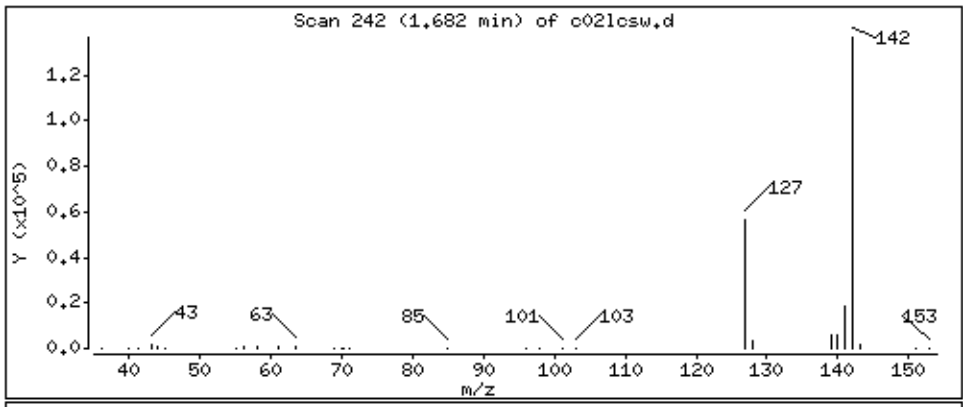
Column phase: DB-624

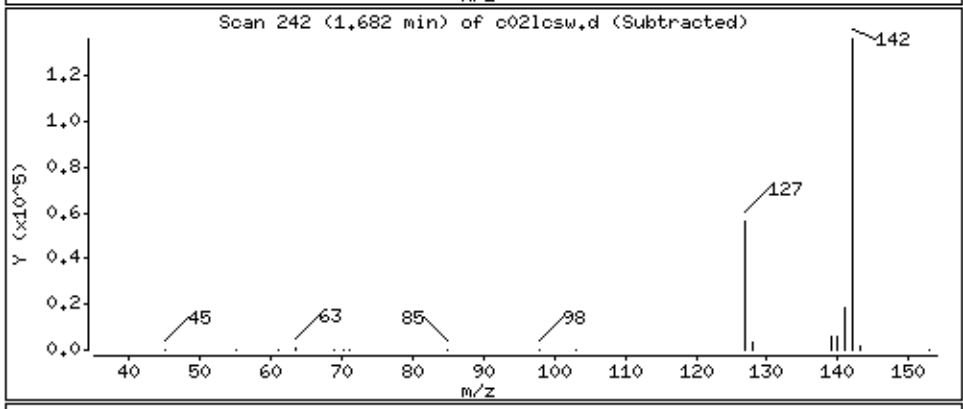
Column diameter: 0.18

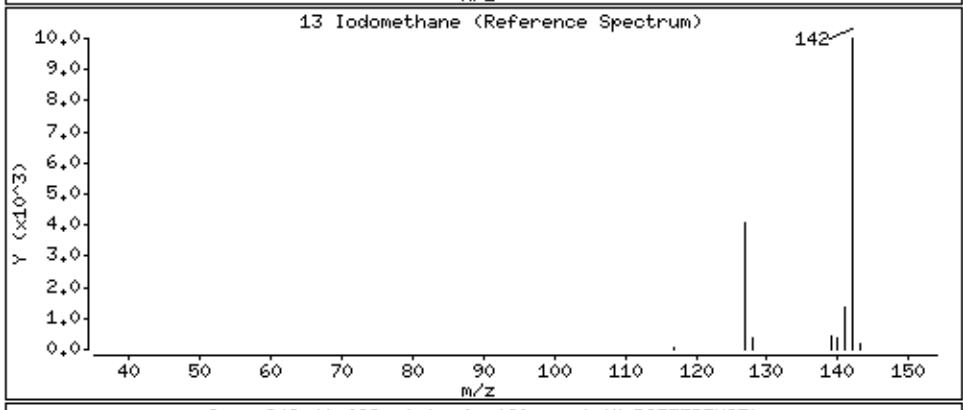
13 Iodomethane

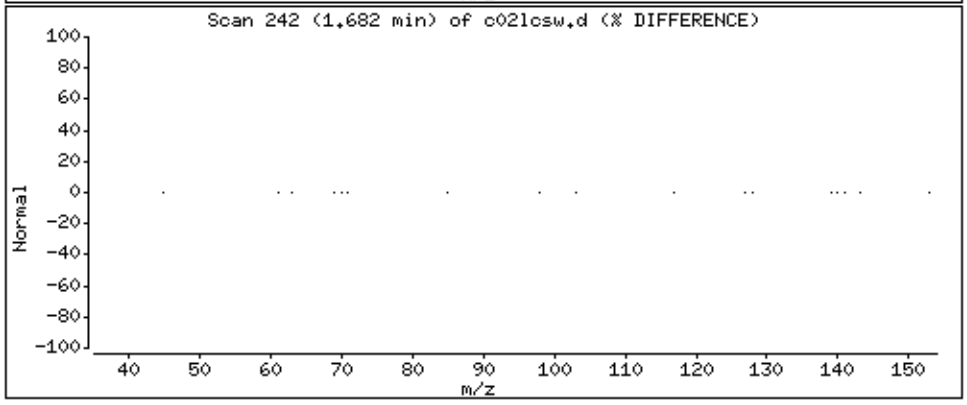
Concentration: 98.7 ppb

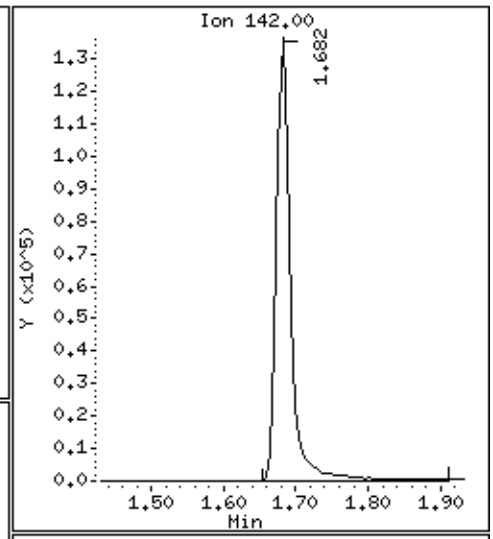
Review Code:

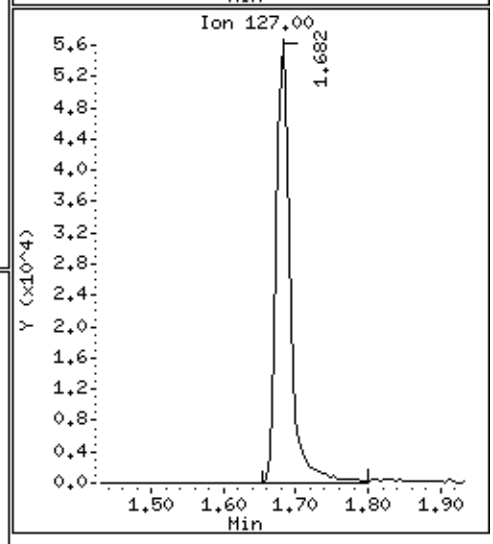












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

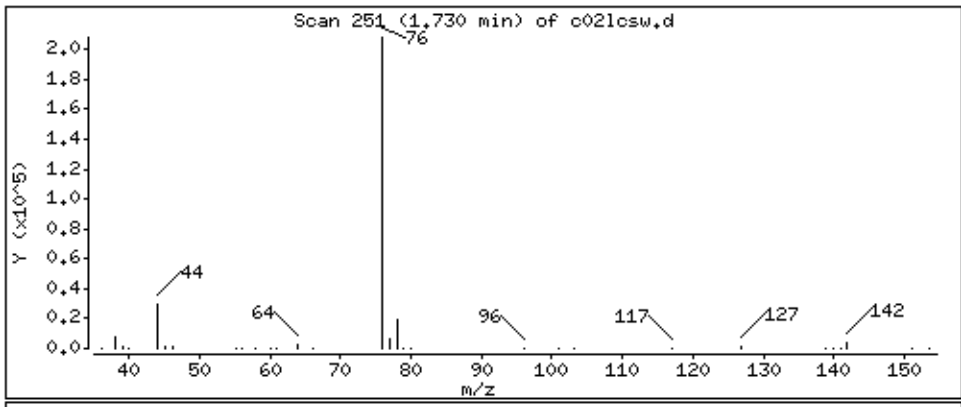
Column phase: DB-624

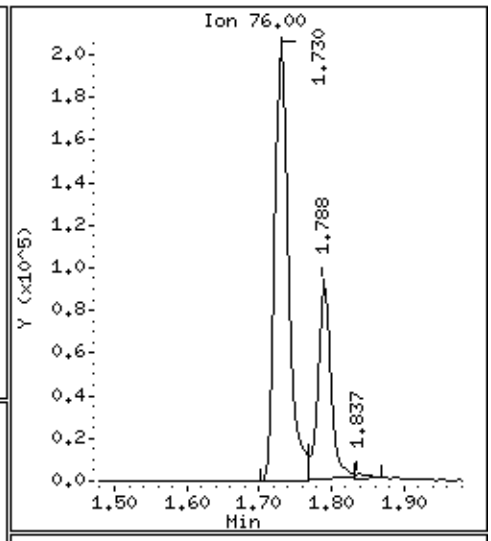
Column diameter: 0.18

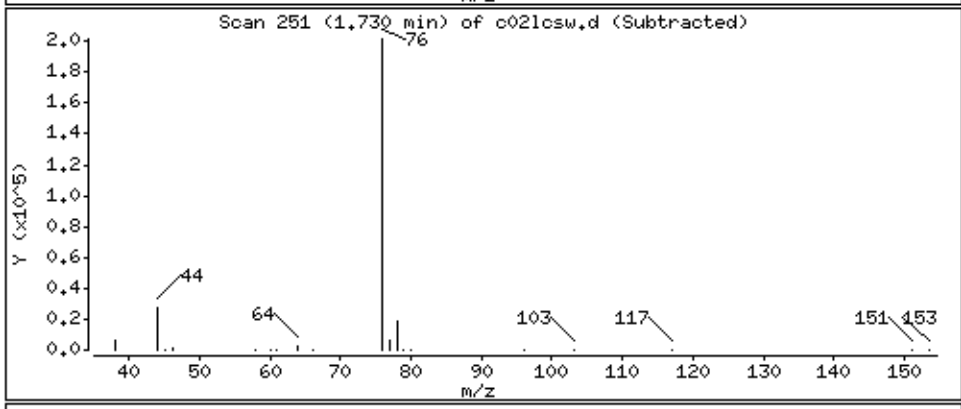
14 Carbon Disulfide

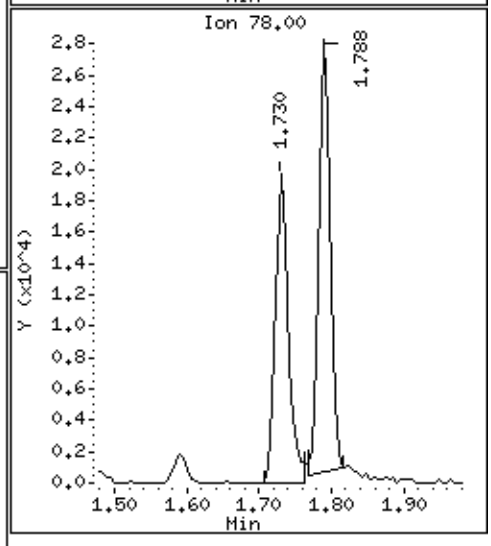
Concentration: 43.5 ppb

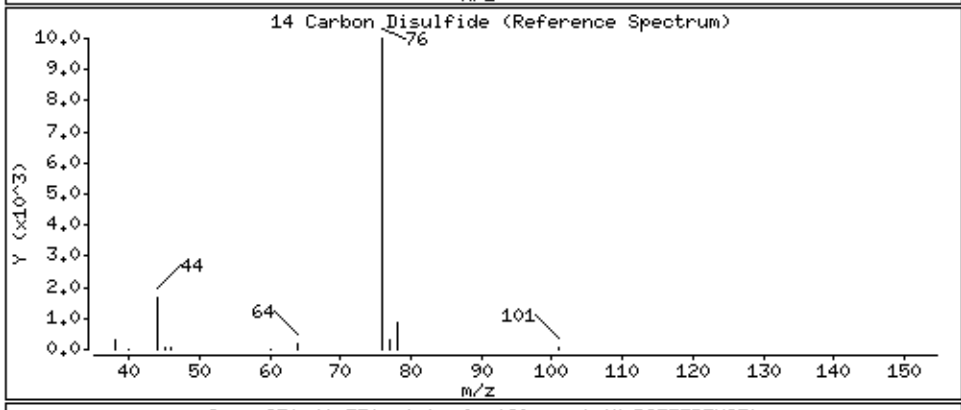
Review Code:

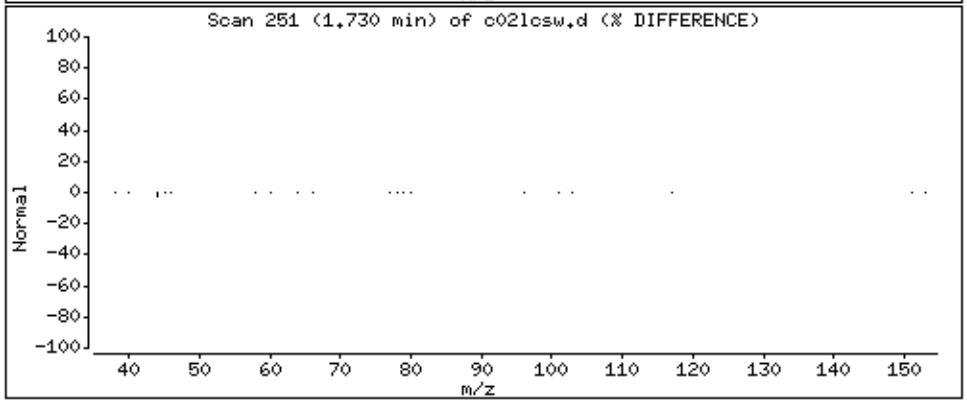












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

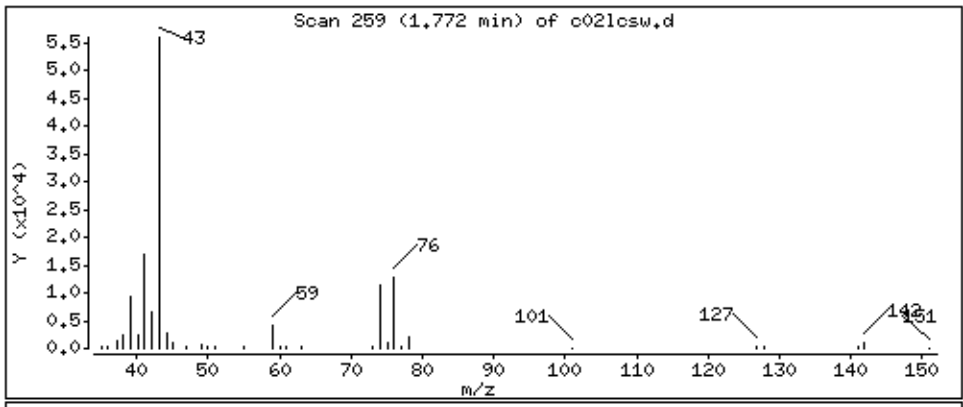
Column phase: DB-624

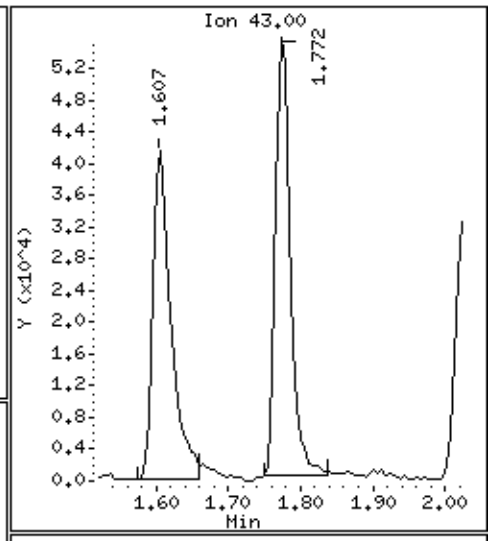
Column diameter: 0.18

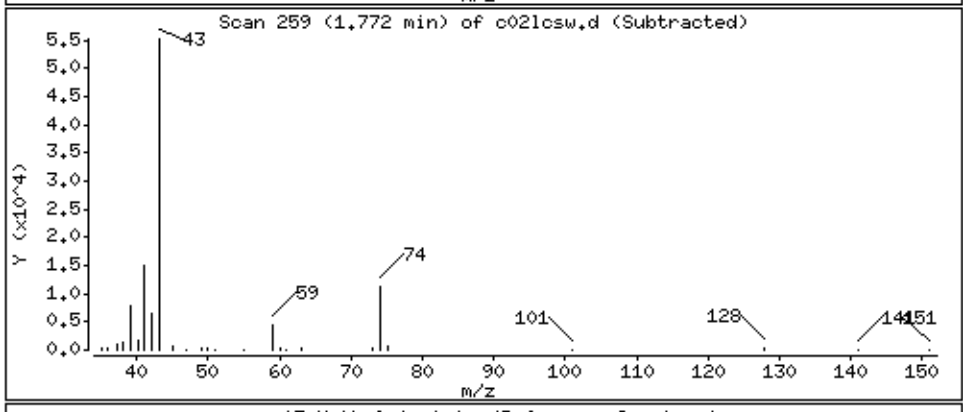
15 Methyl Acetate

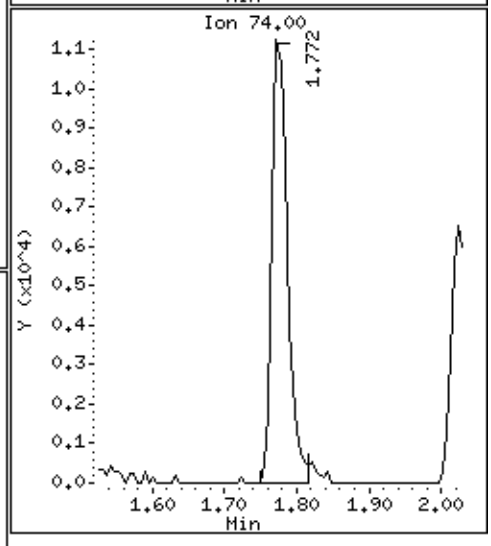
Concentration: 63.9 ppb

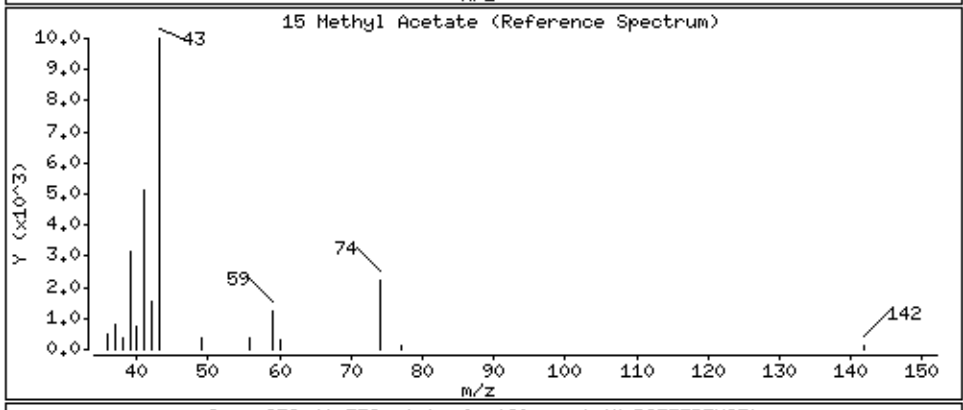
Review Code:

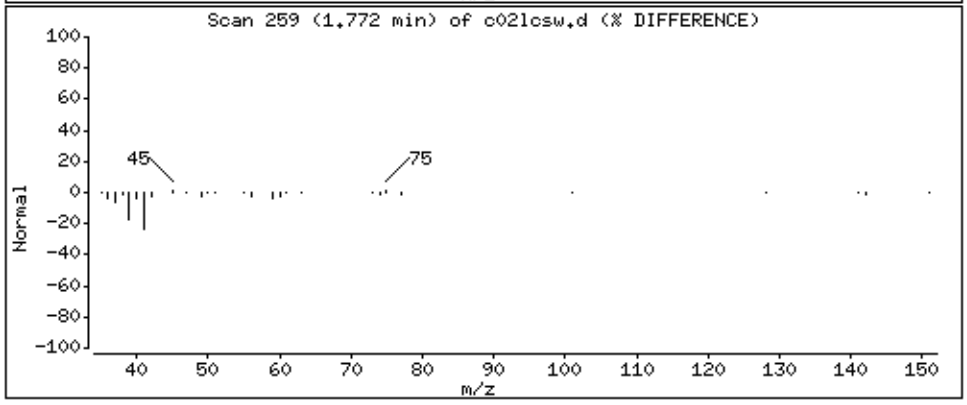












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

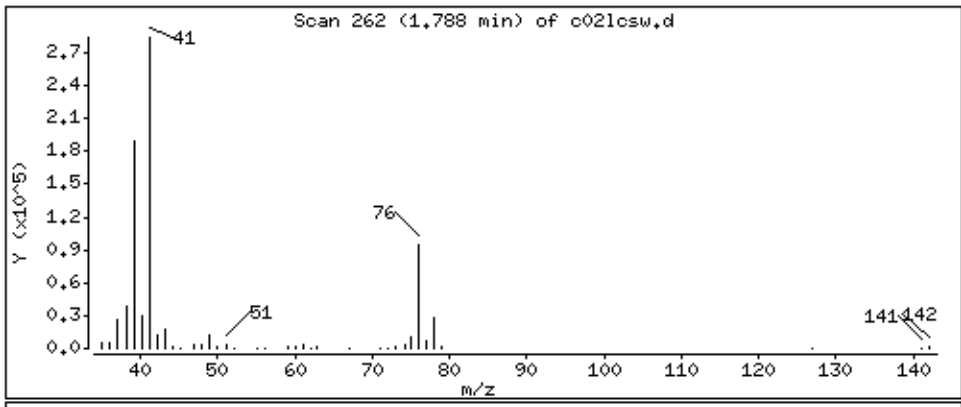
Column phase: DB-624

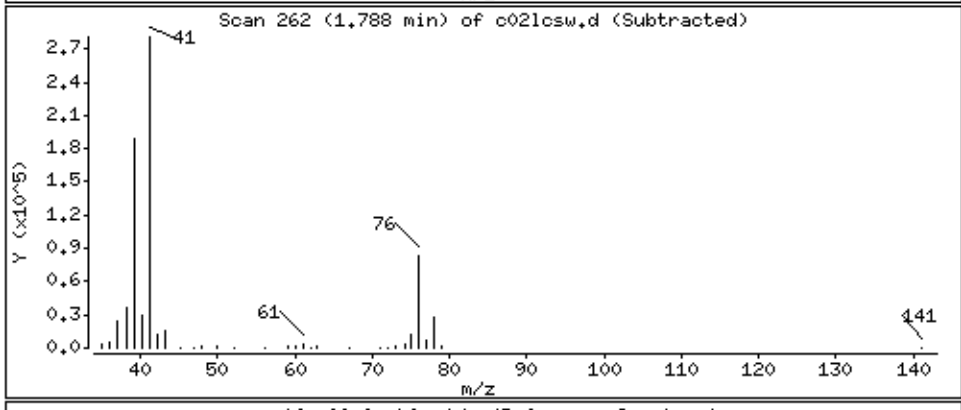
Column diameter: 0.18

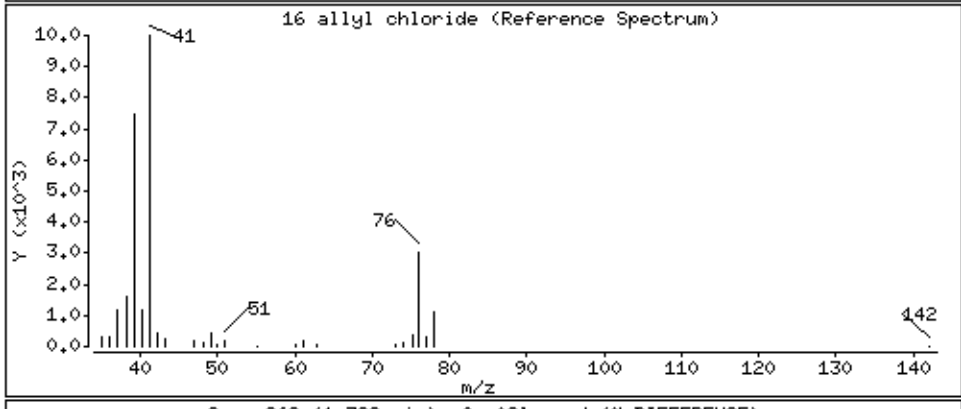
16 allyl chloride

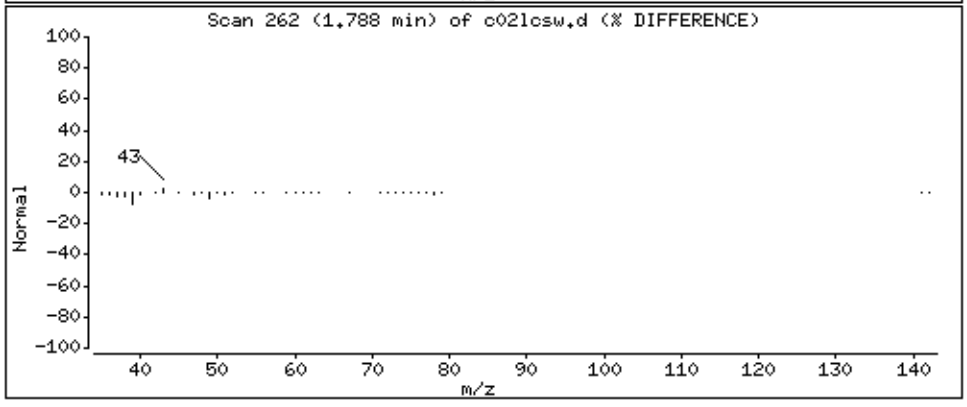
Concentration: 86.5 ppb

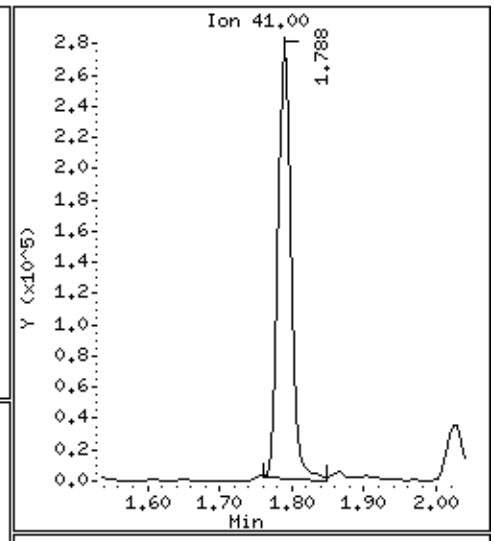
Review Code:

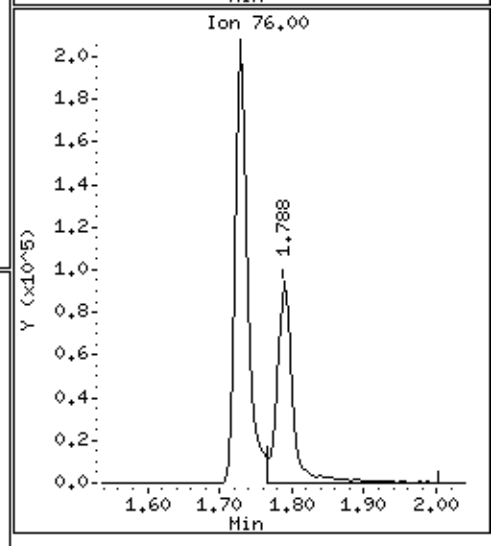












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

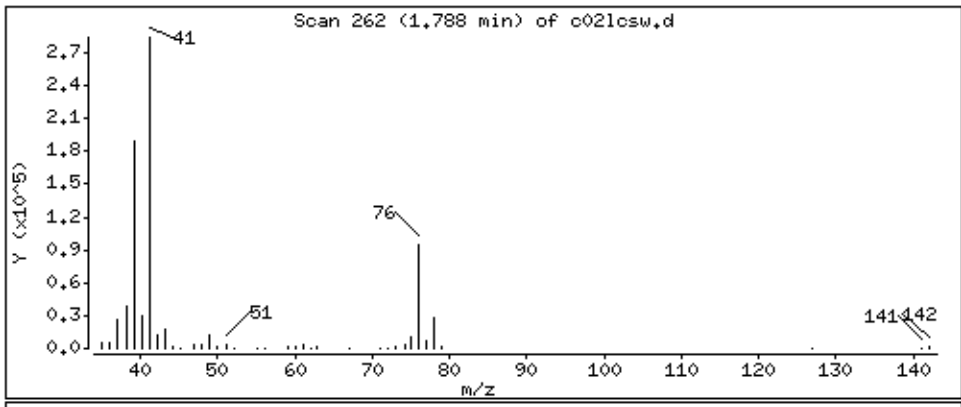
Column phase: DB-624

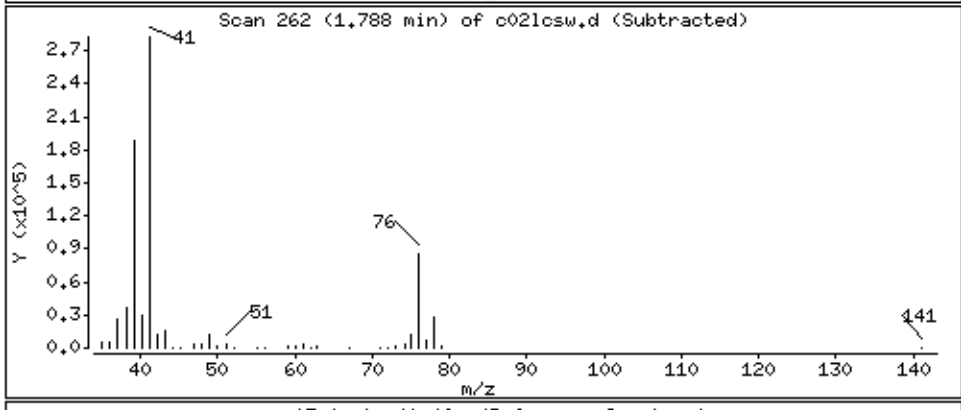
Column diameter: 0.18

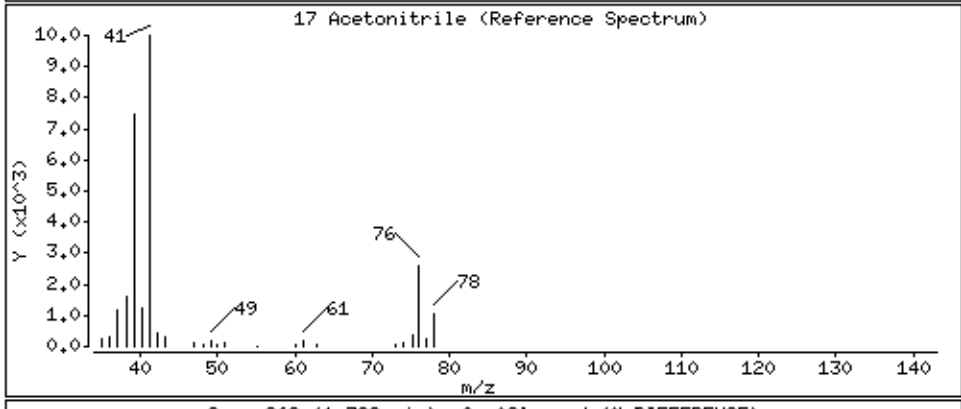
17 Acetonitrile

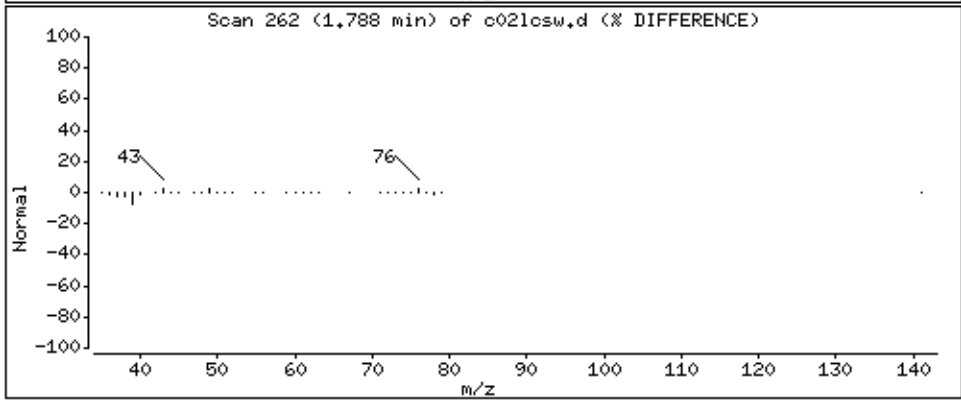
Concentration: 40.6 ppb

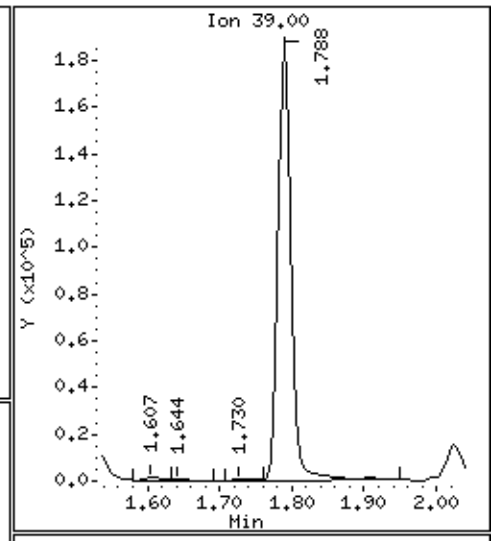
Review Code:

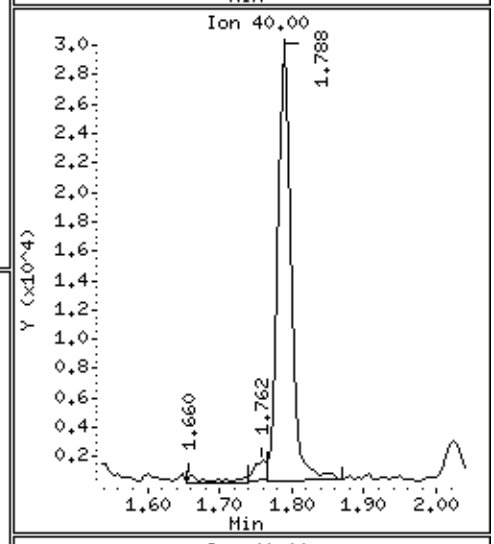


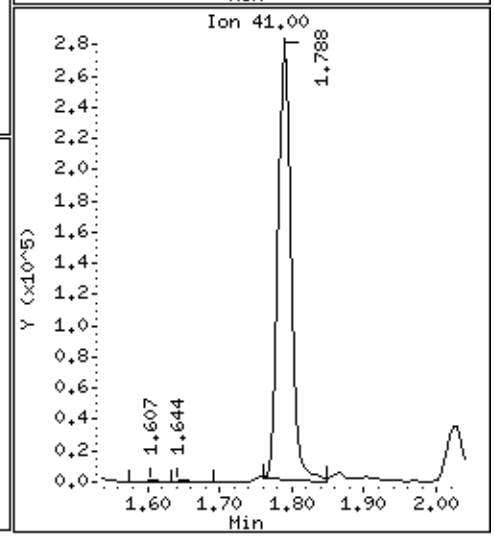












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

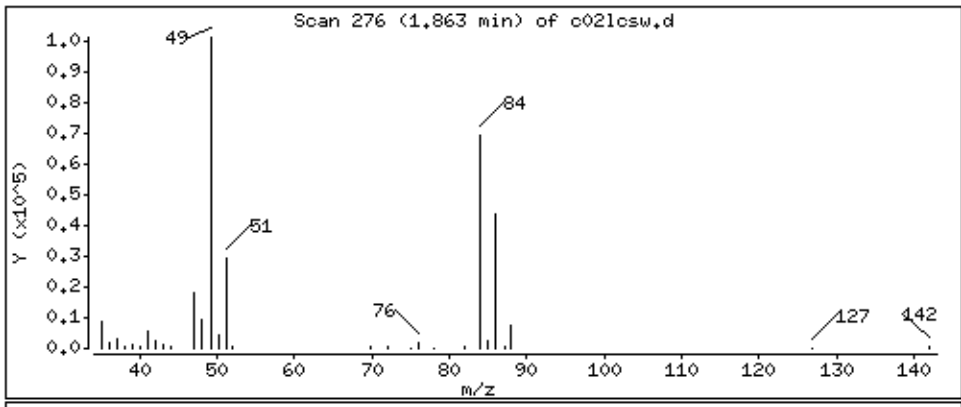
Column phase: DB-624

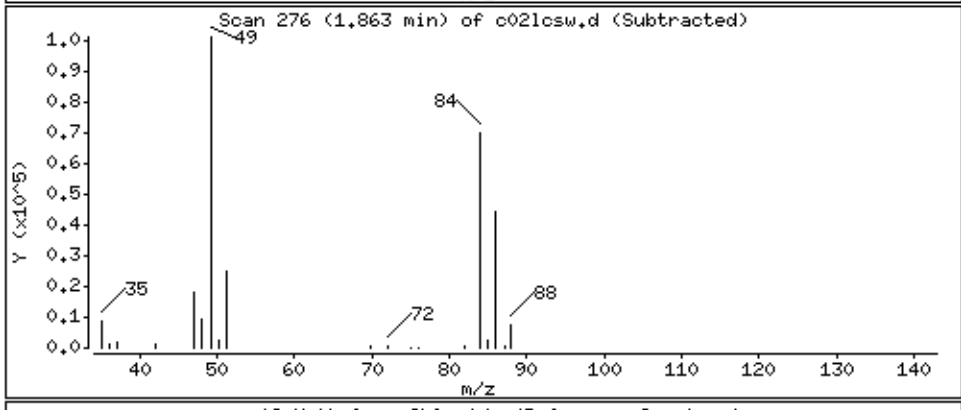
Column diameter: 0.18

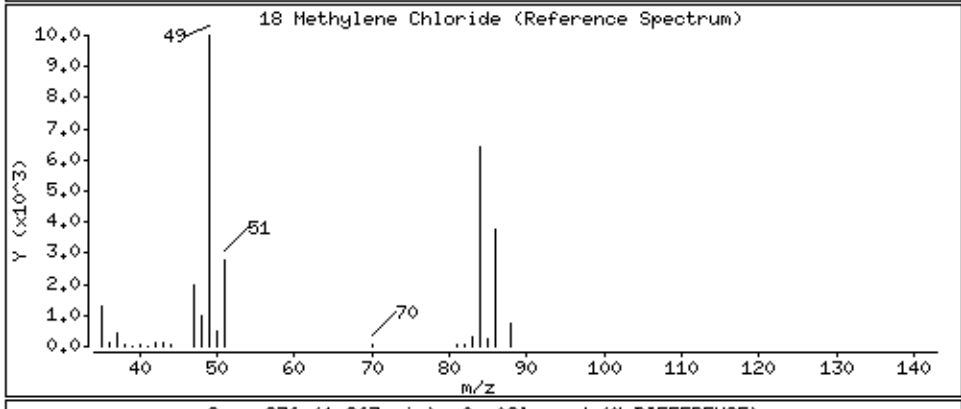
18 Methylene Chloride

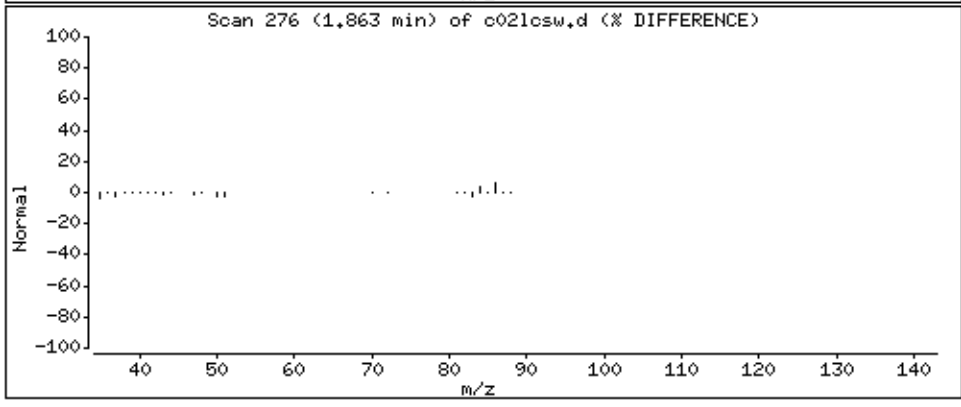
Concentration: 50.9 ppb

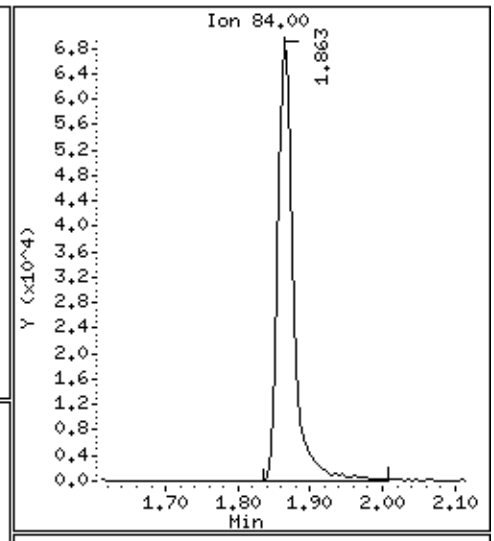
Review Code:

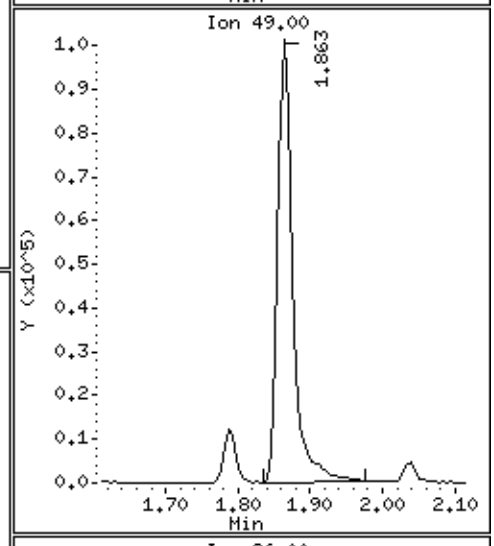


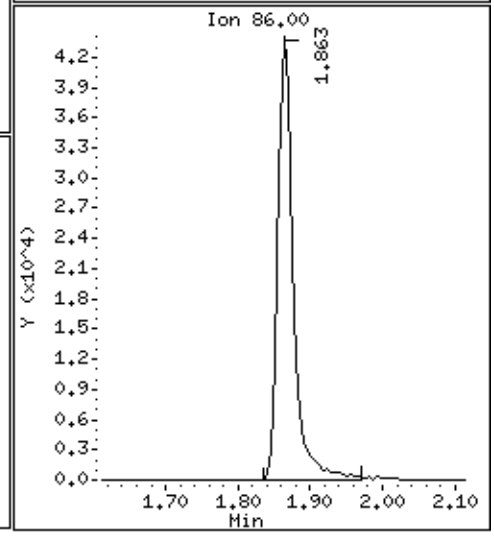












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

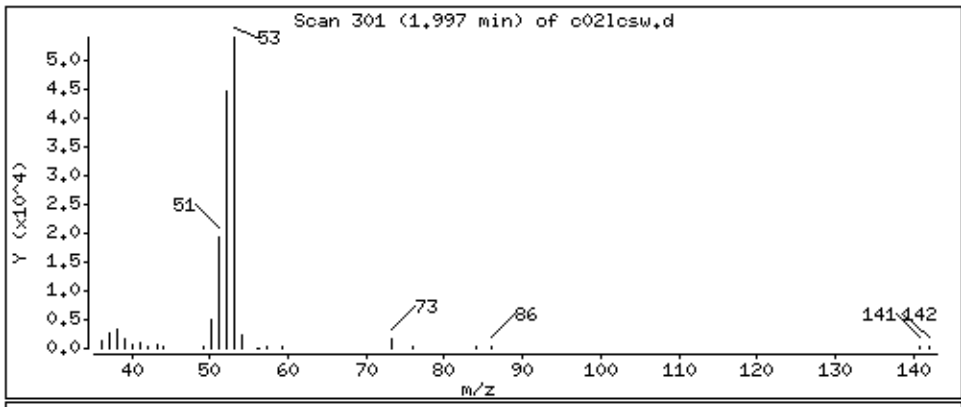
Column phase: DB-624

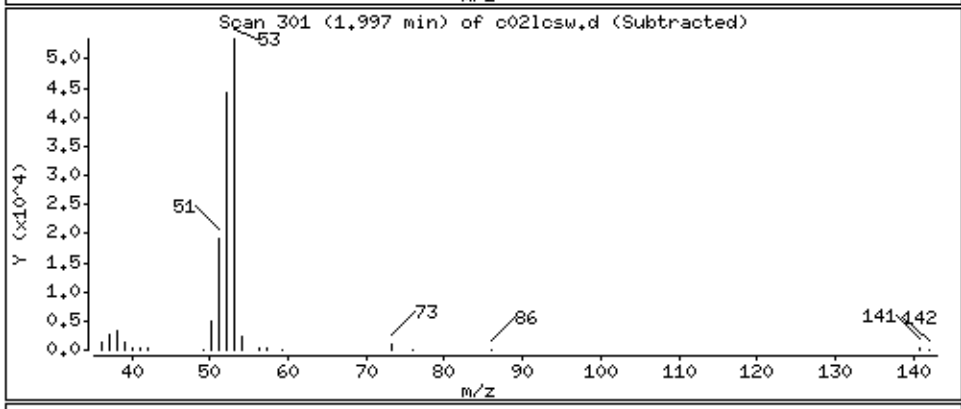
Column diameter: 0.18

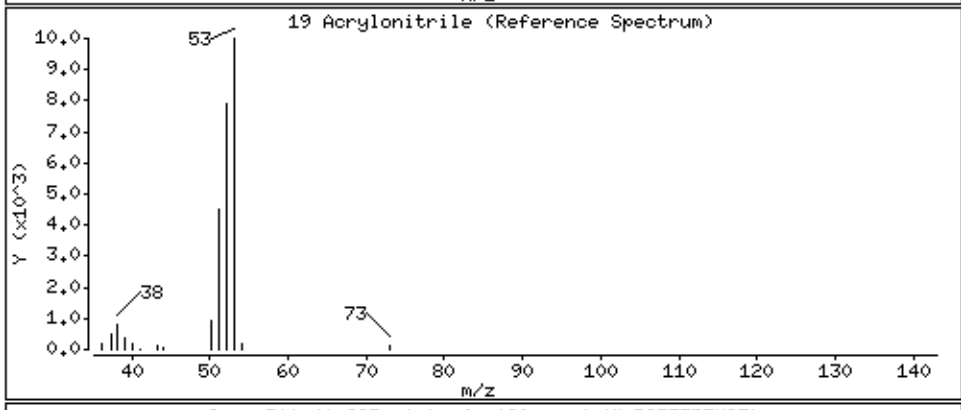
19 Acrylonitrile

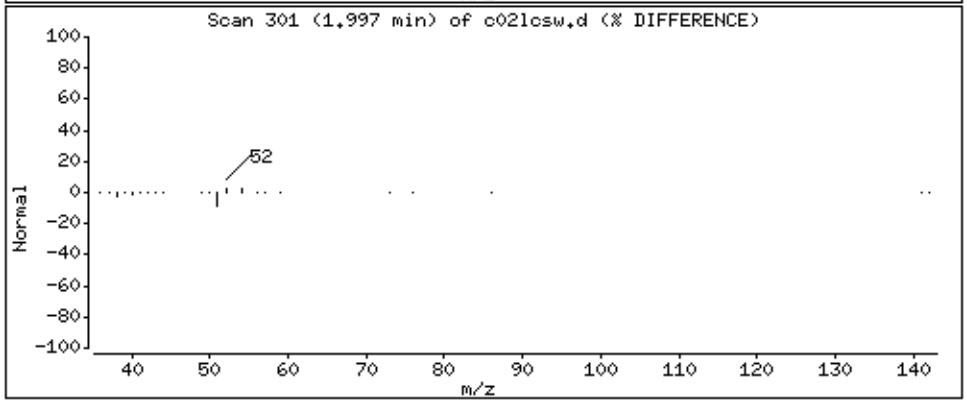
Concentration: 194 ppb

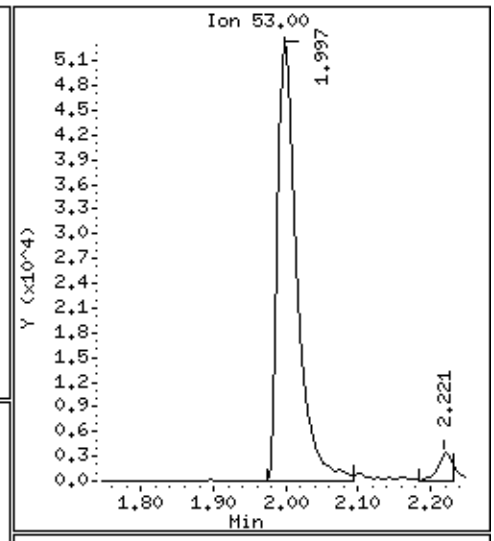
Review Code:

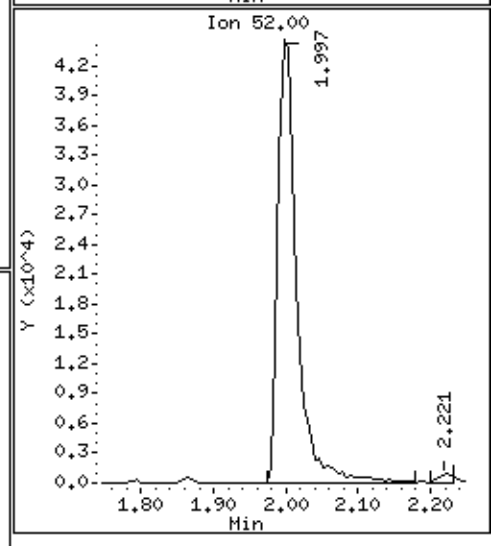












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

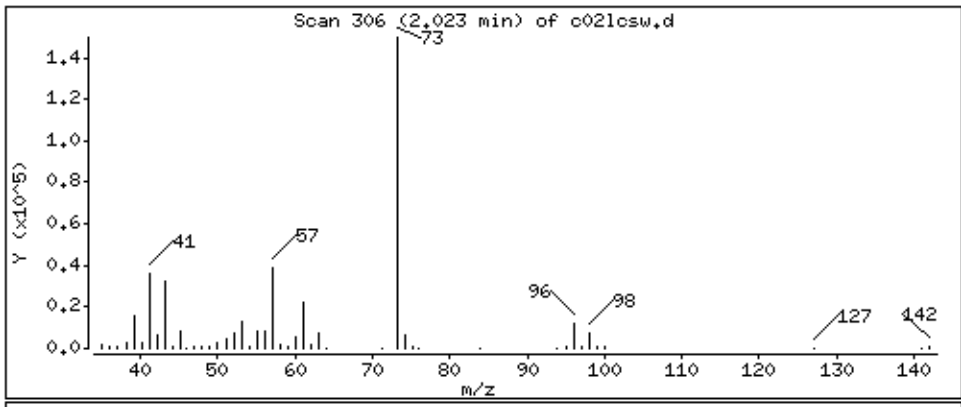
Column phase: DB-624

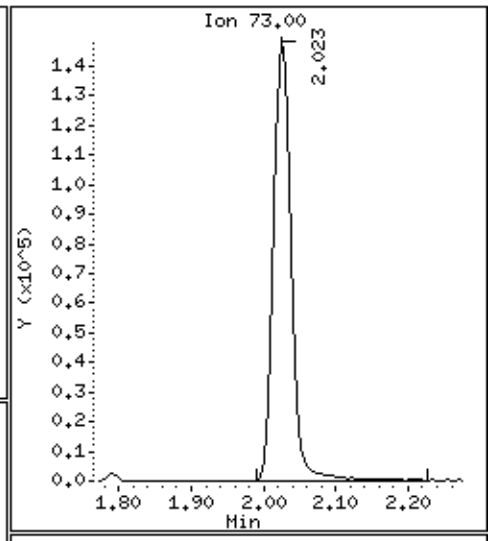
Column diameter: 0.18

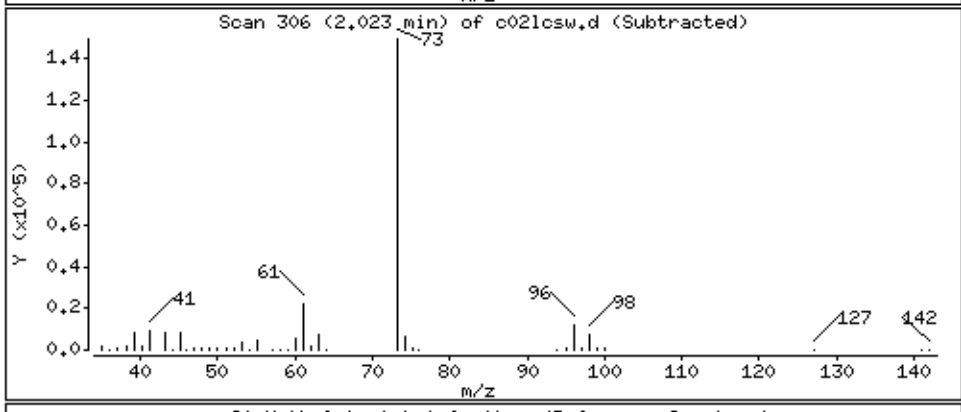
20 Methyl-tert-butyl ether

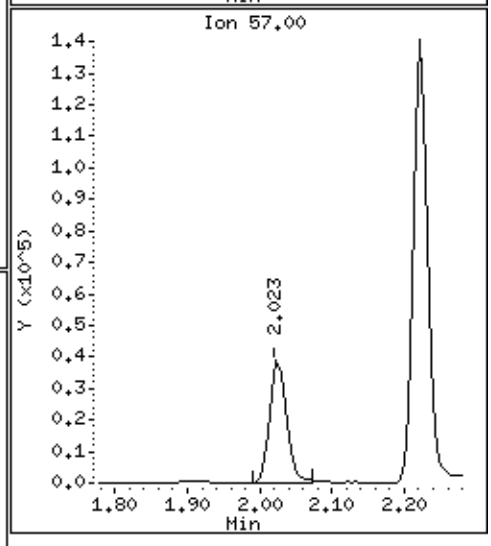
Concentration: 47.3 ppb

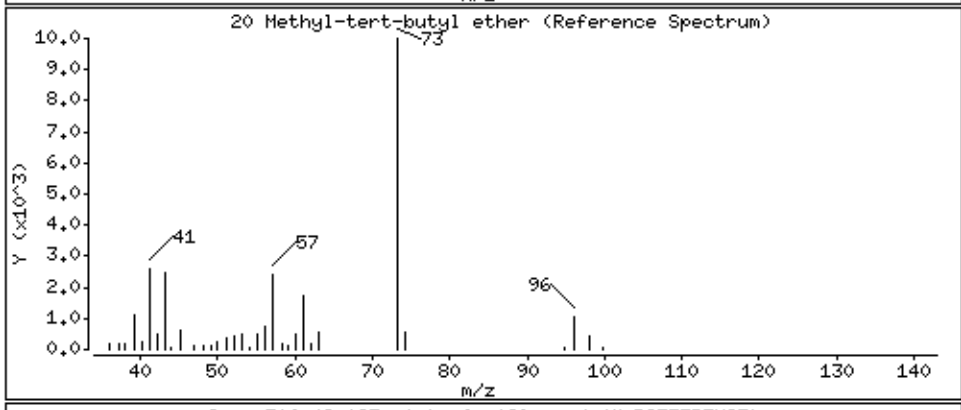
Review Code:

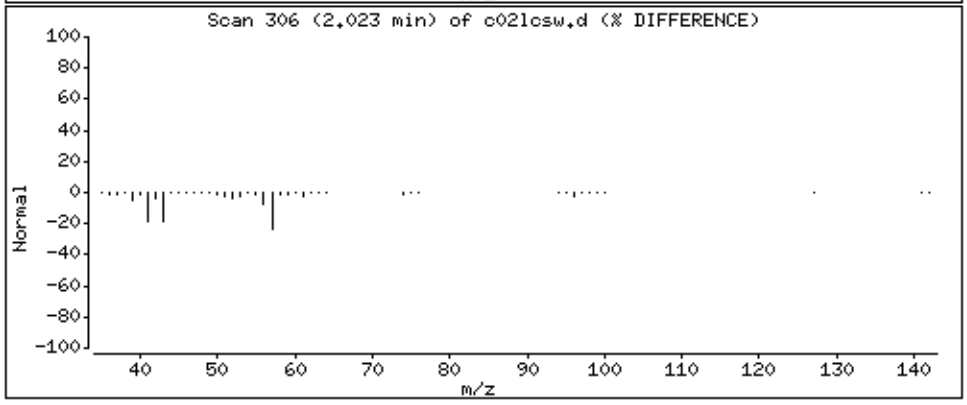












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

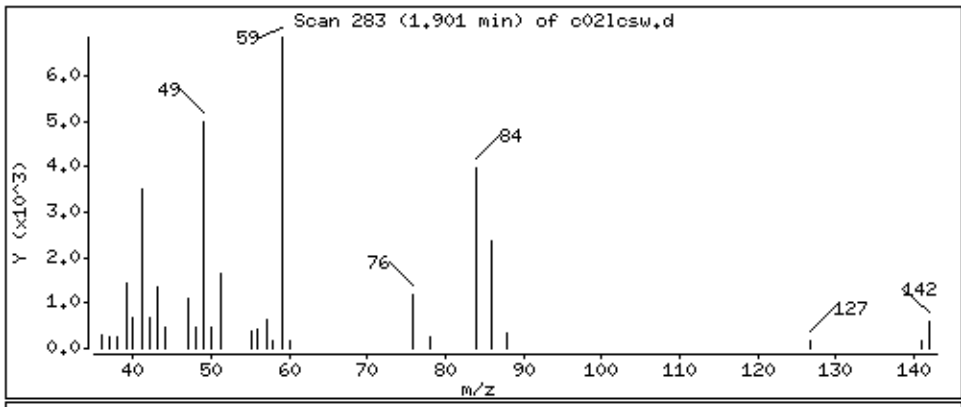
Column phase: DB-624

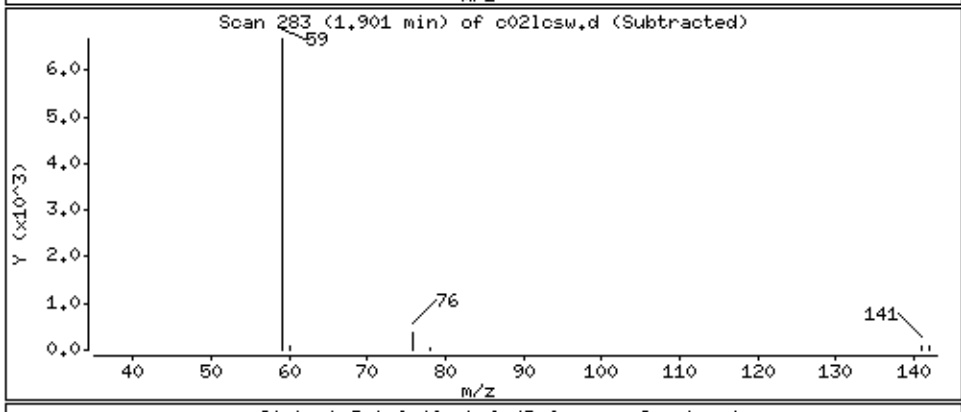
Column diameter: 0.18

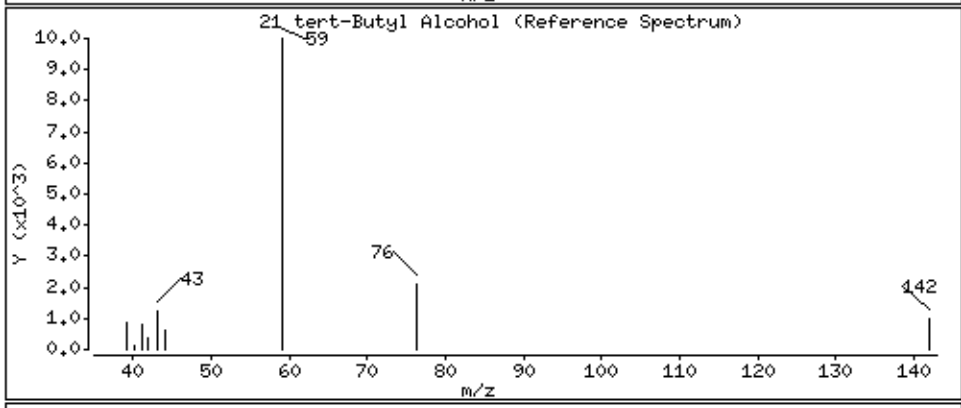
21 tert-Butyl Alcohol

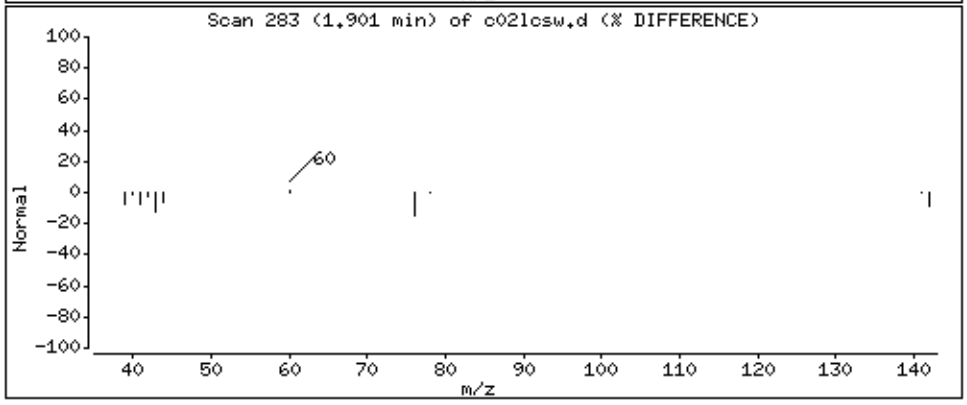
Concentration: 103 ppb

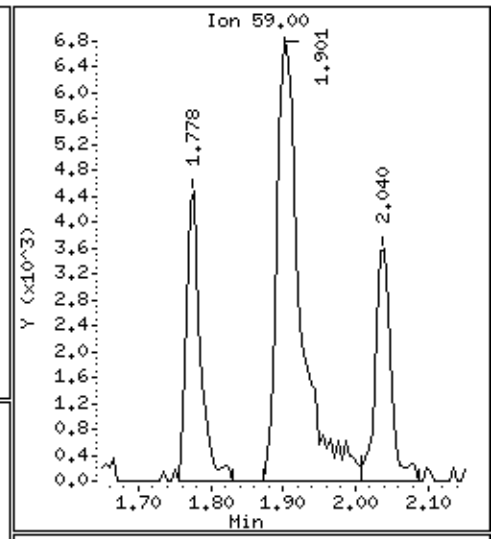
Review Code:

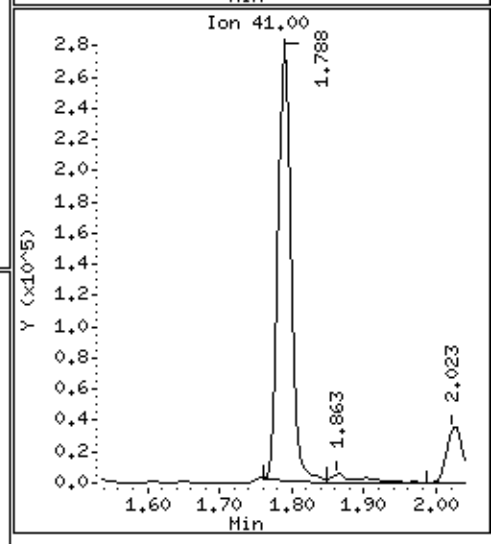












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

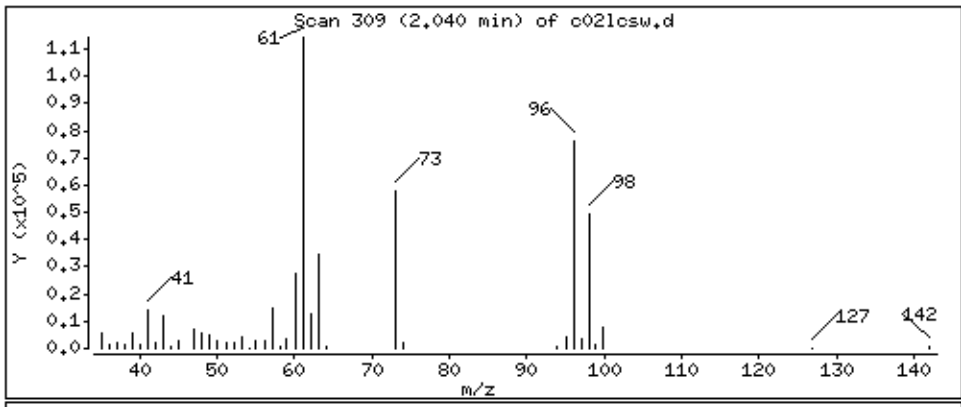
Column phase: DB-624

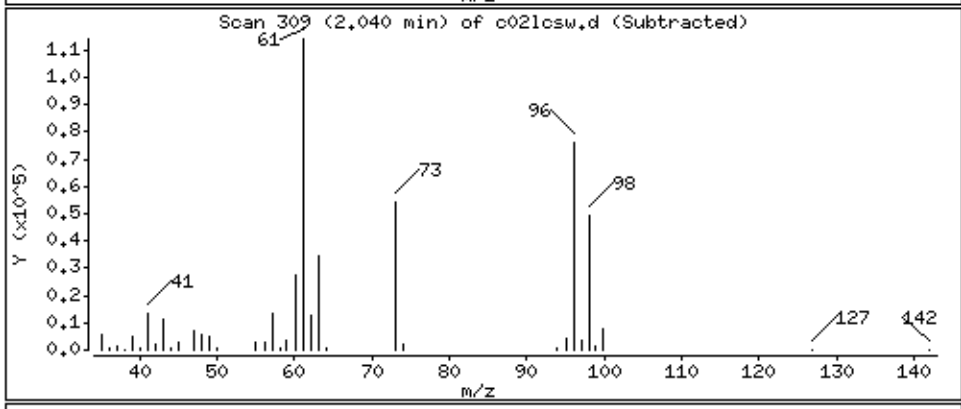
Column diameter: 0.18

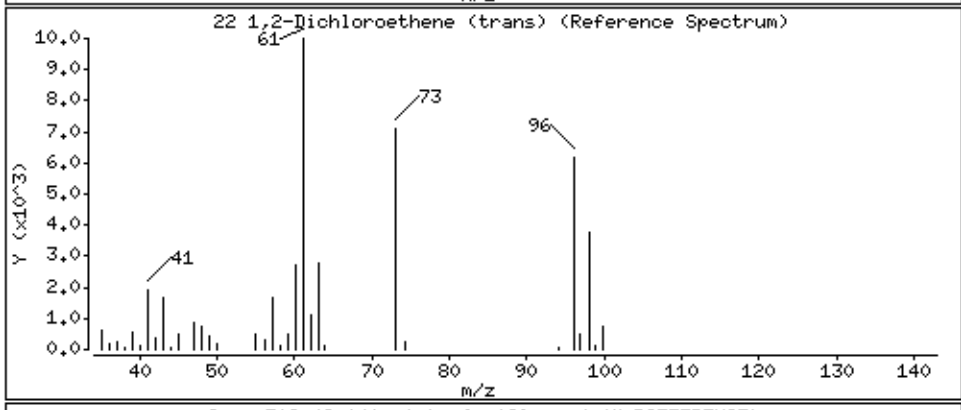
22 1,2-Dichloroethene (trans)

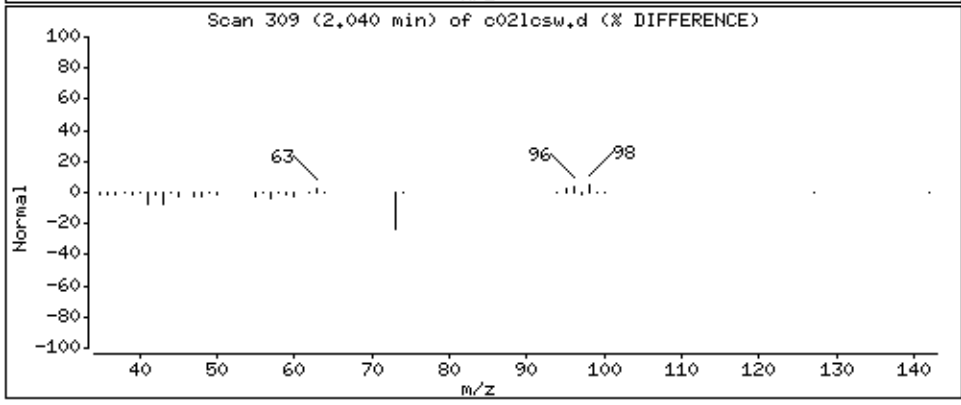
Concentration: 46.4 ppb

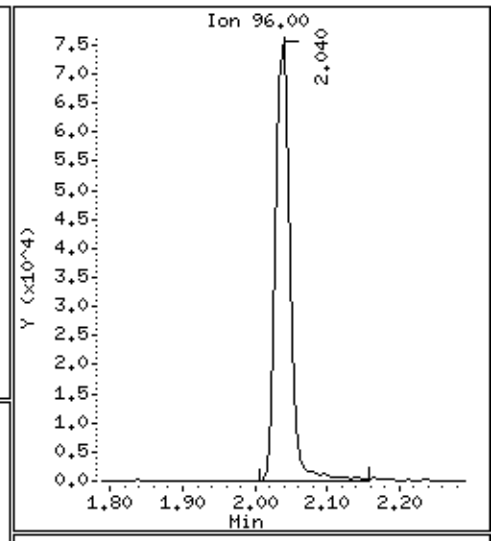
Review Code:

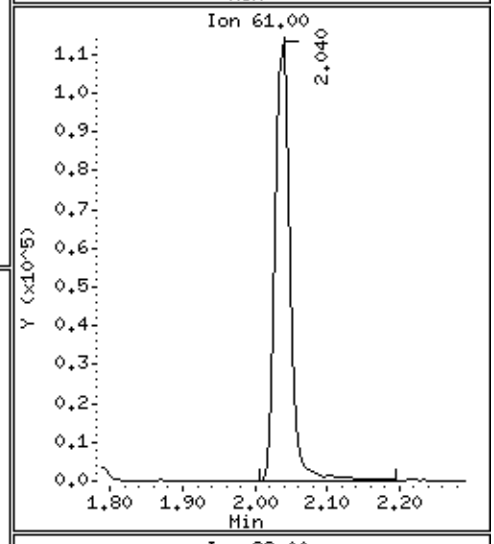


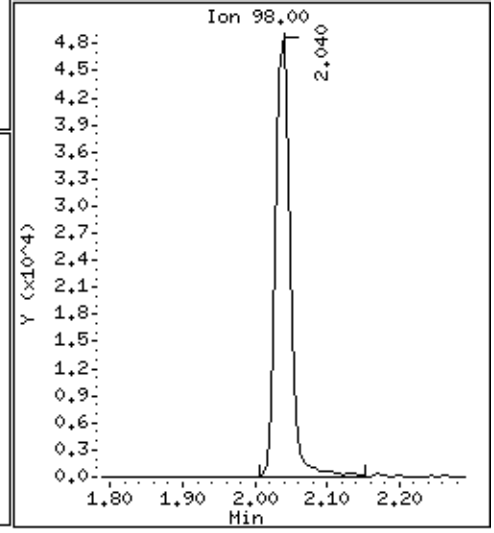












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

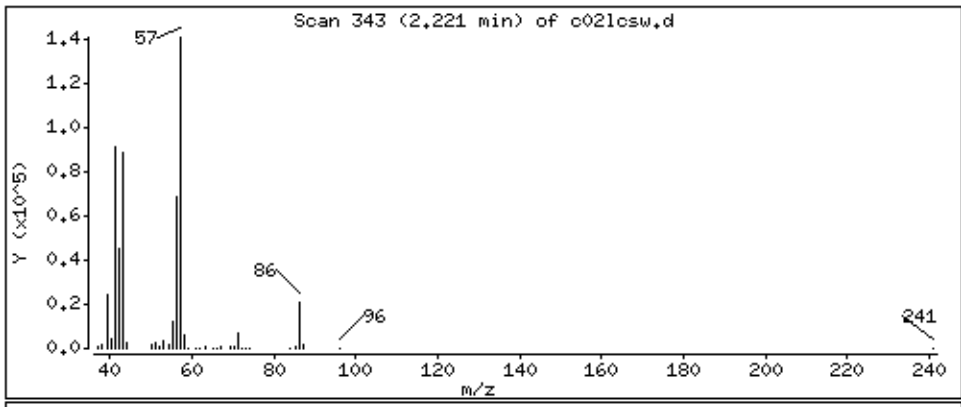
Column phase: DB-624

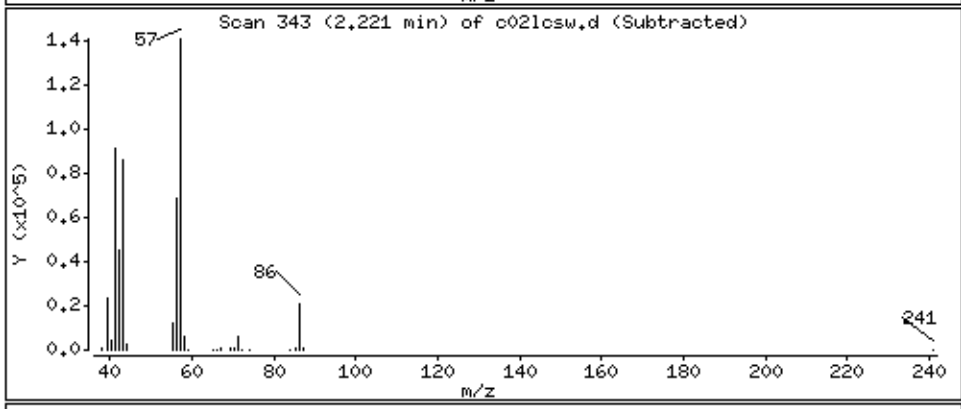
Column diameter: 0.18

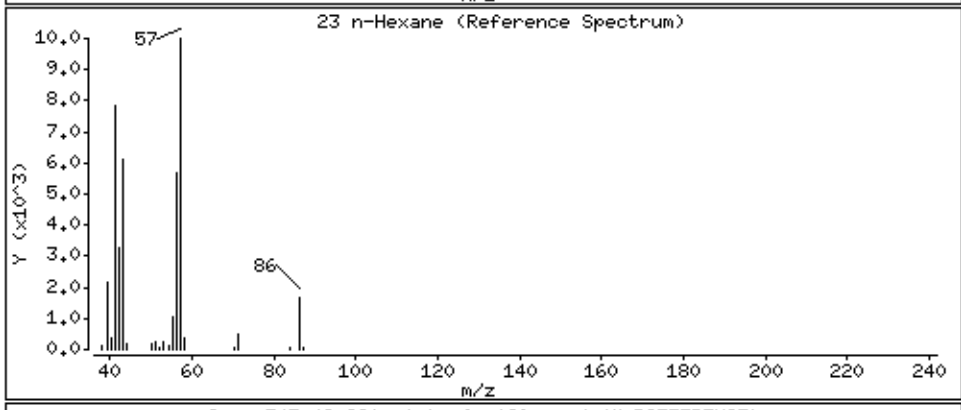
23 n-Hexane

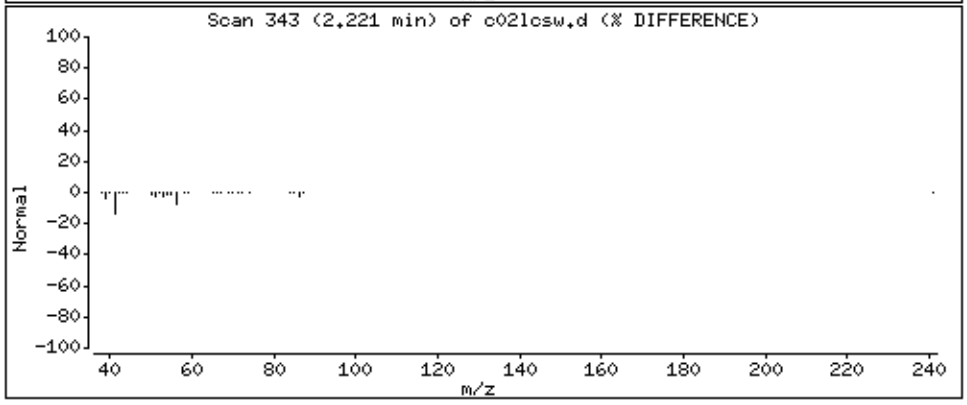
Concentration: 49.2 ppb

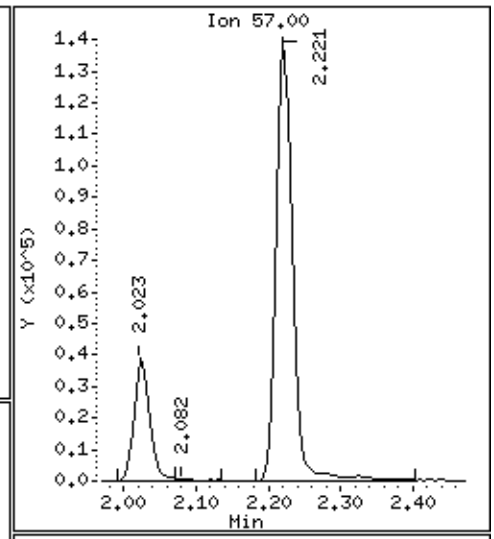
Review Code:

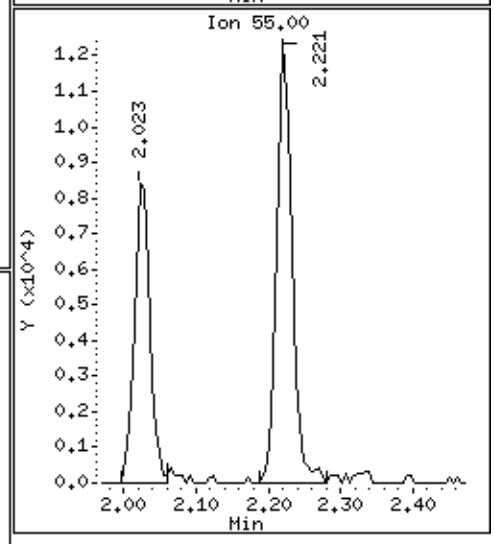












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

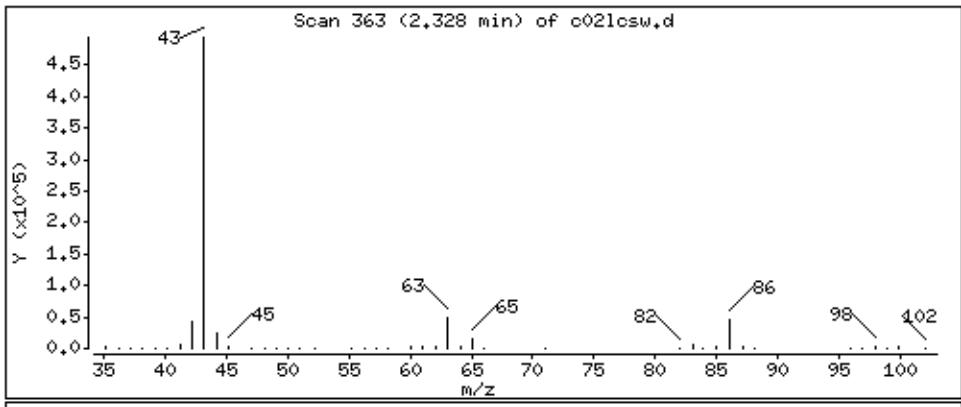
Column phase: DB-624

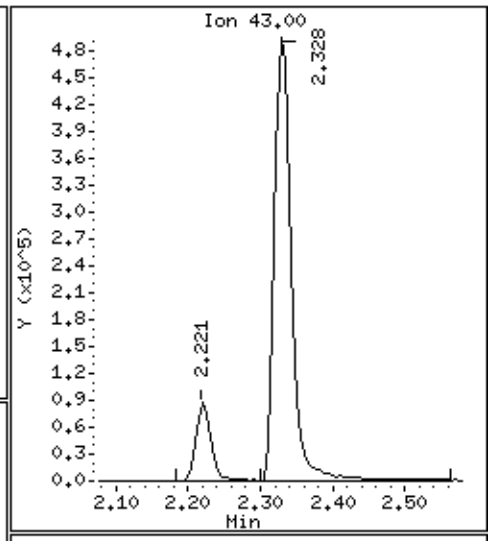
Column diameter: 0.18

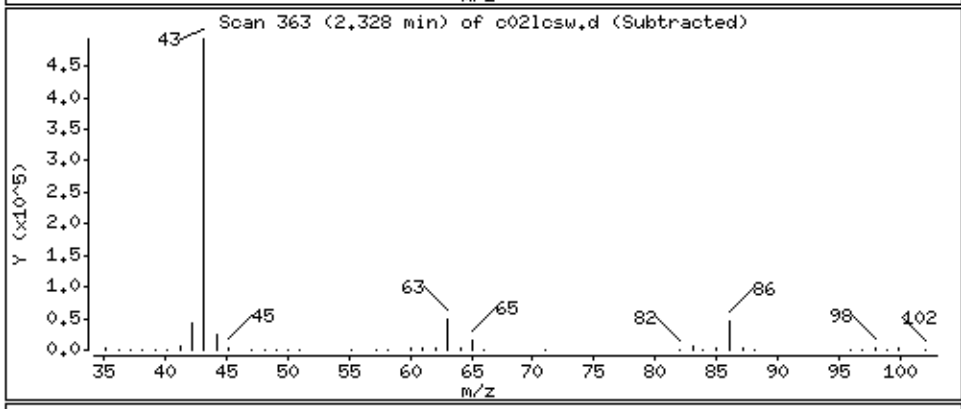
24 Vinyl Acetate

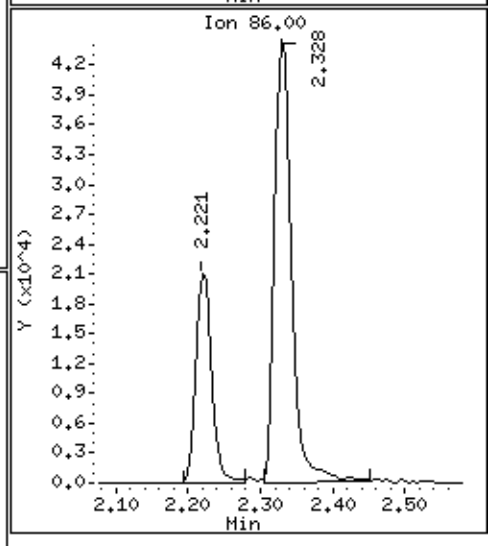
Concentration: 228 ppb

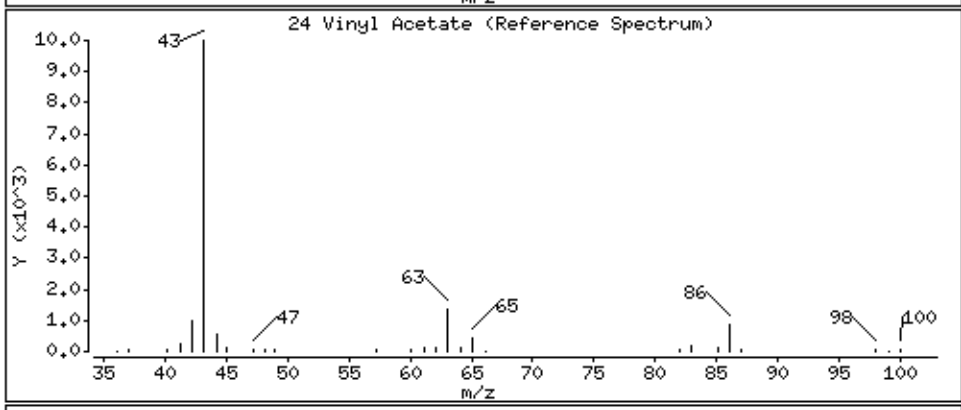
Review Code:

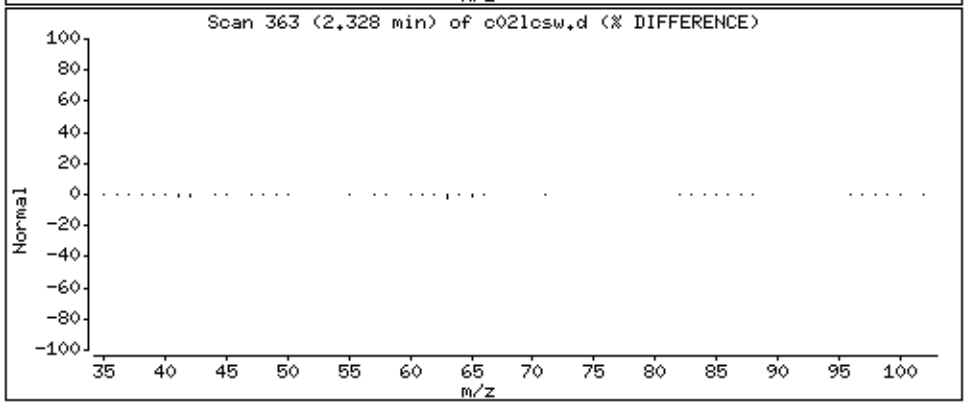












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

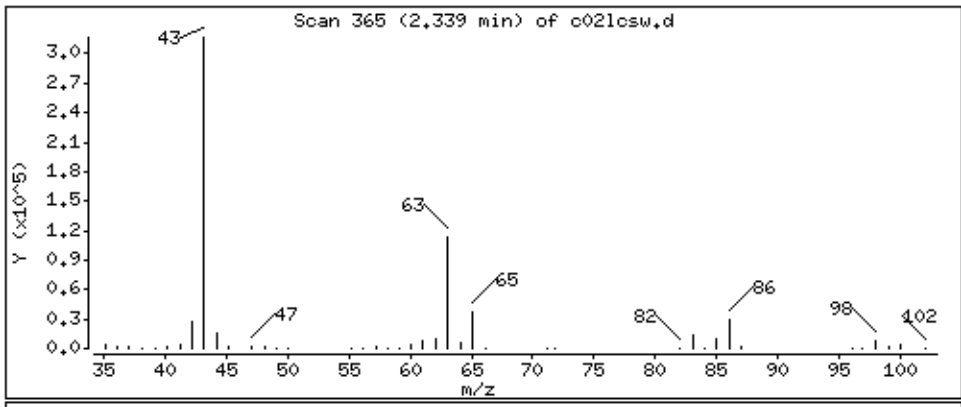
Column phase: DB-624

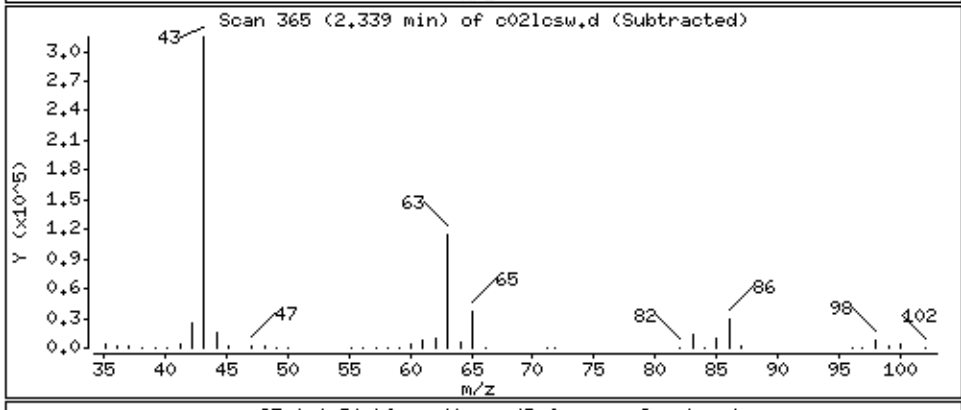
Column diameter: 0.18

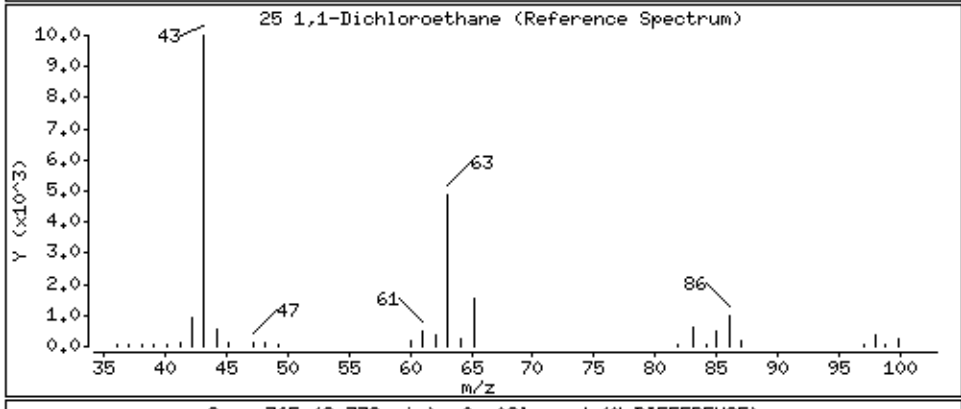
25 1,1-Dichloroethane

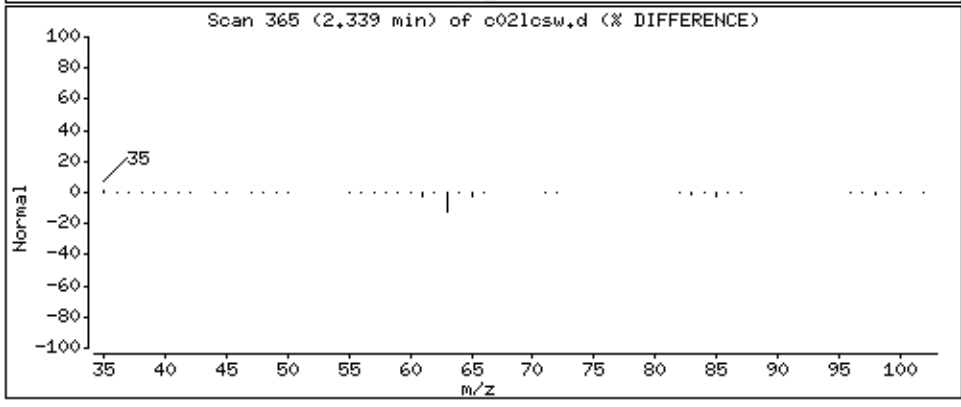
Concentration: 47.2 ppb

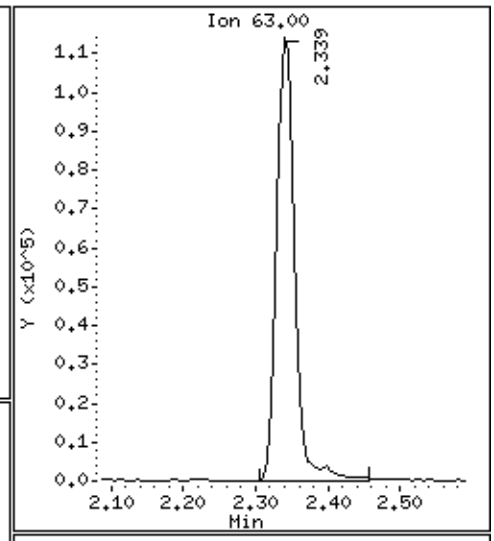
Review Code:

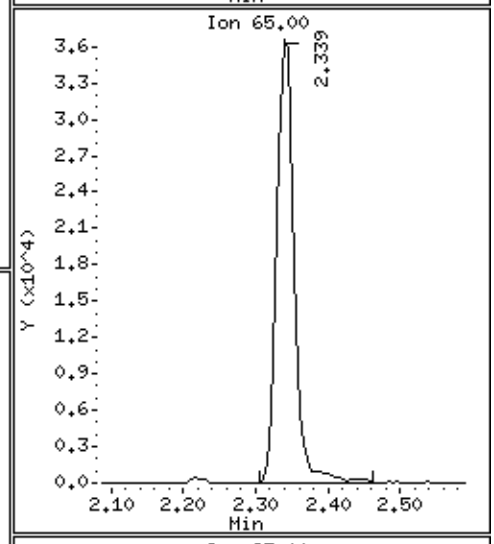


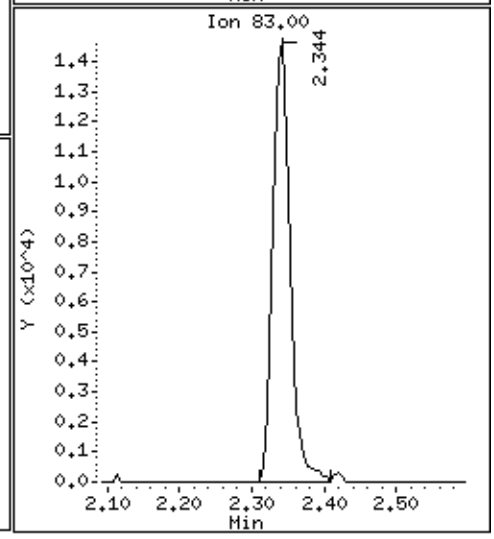












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

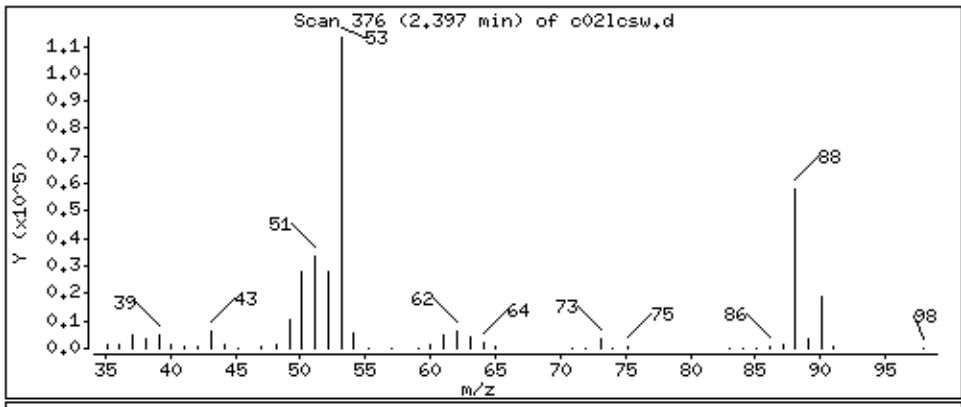
Column phase: DB-624

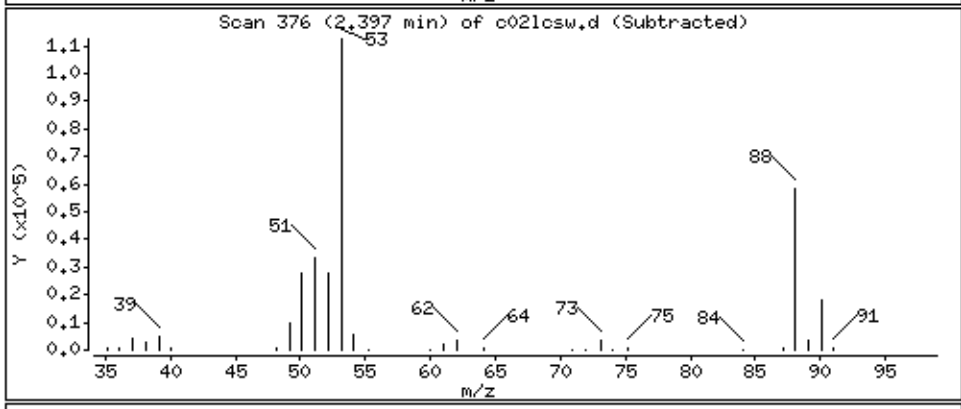
Column diameter: 0.18

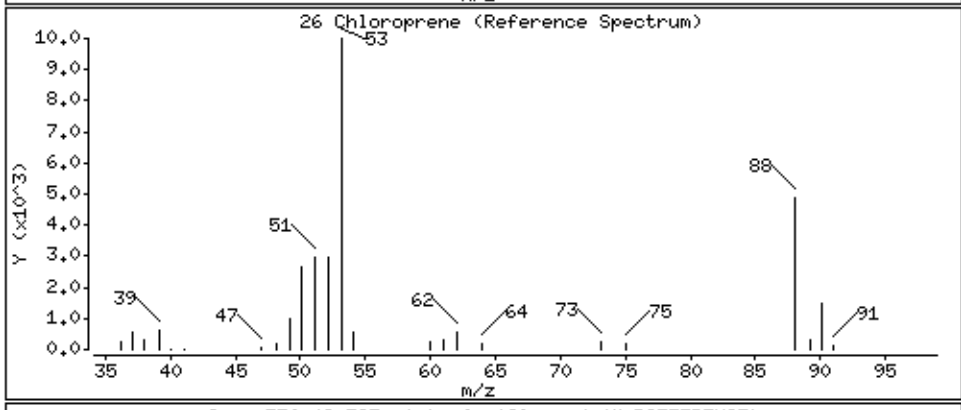
26 Chloroprene

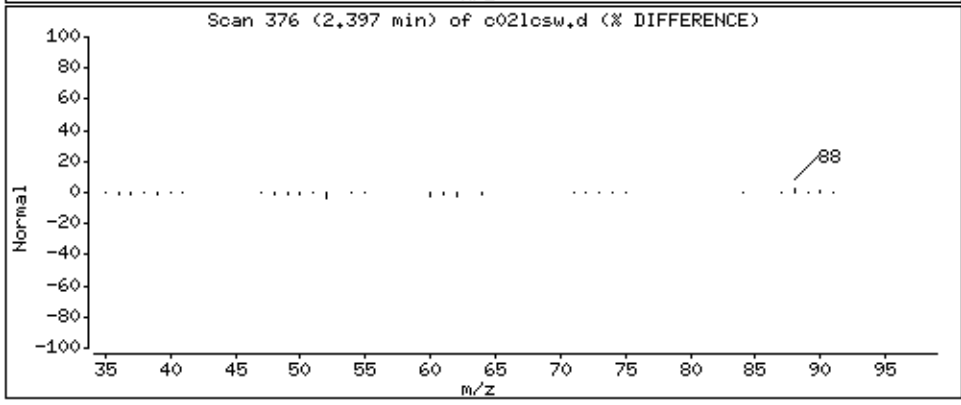
Concentration: 43.1 ppb

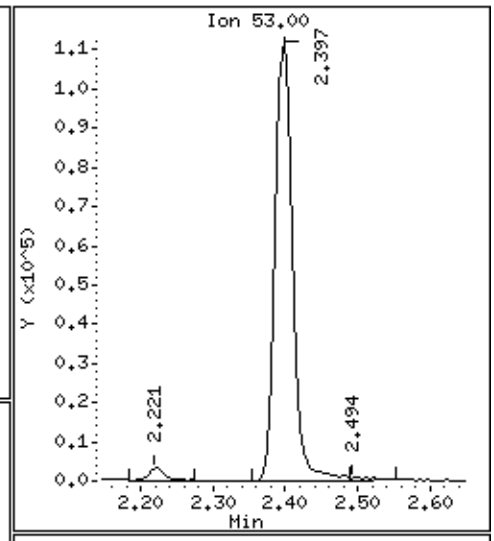
Review Code:

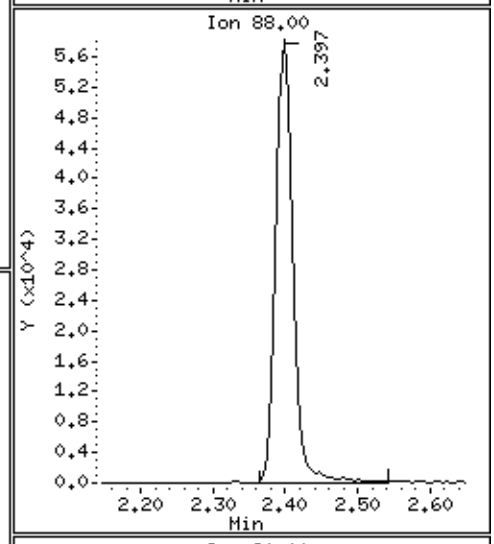


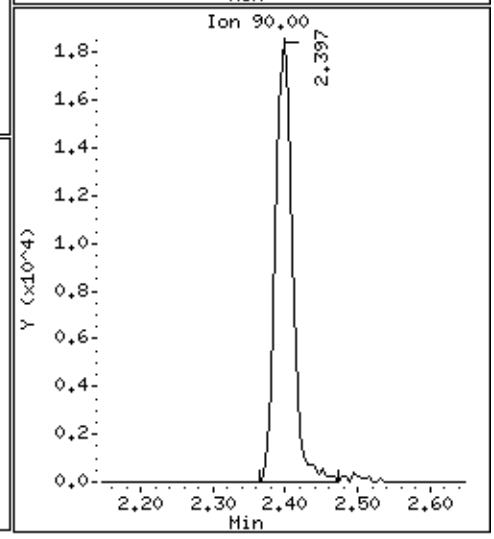












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

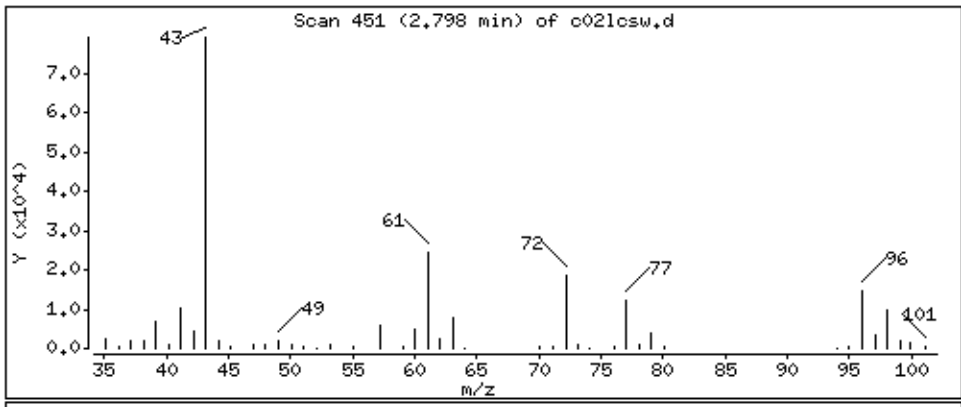
Column phase: DB-624

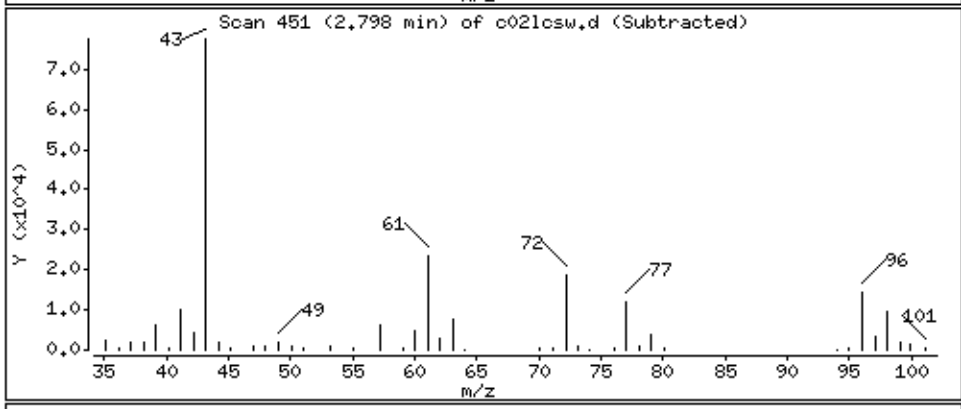
Column diameter: 0.18

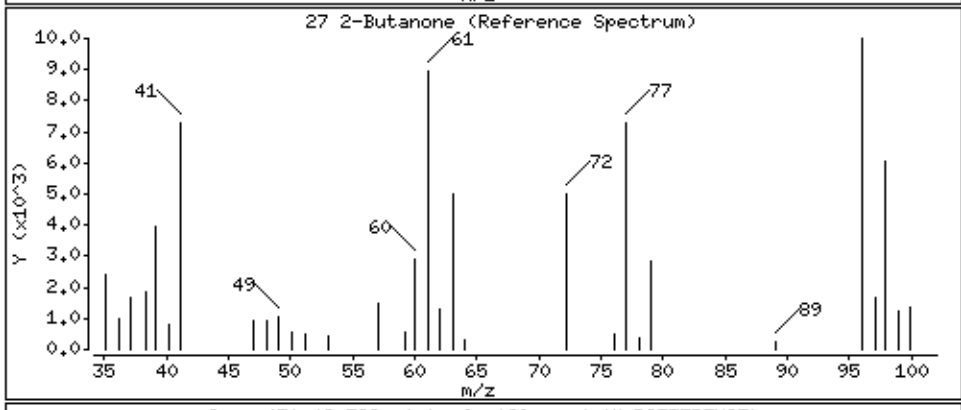
27 2-Butanone

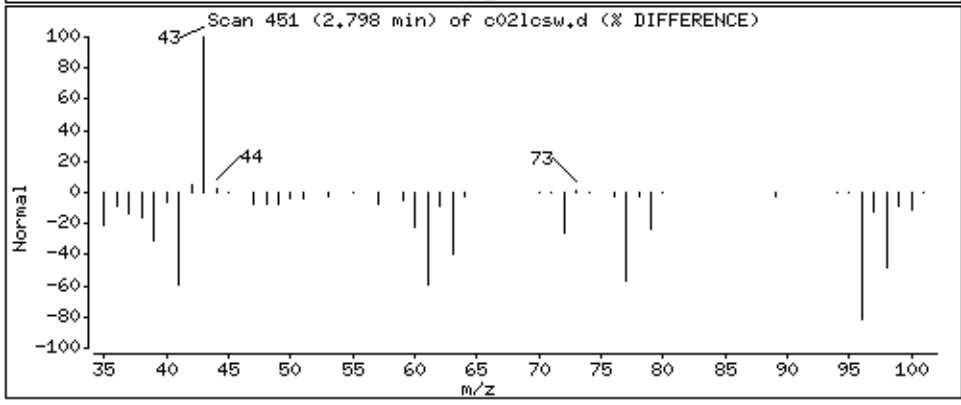
Concentration: 258 ppb

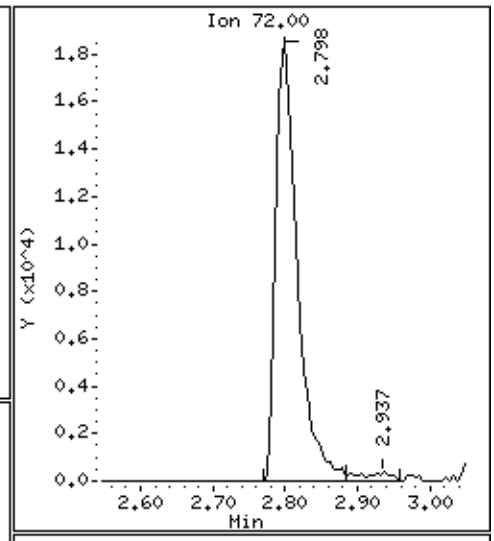
Review Code:

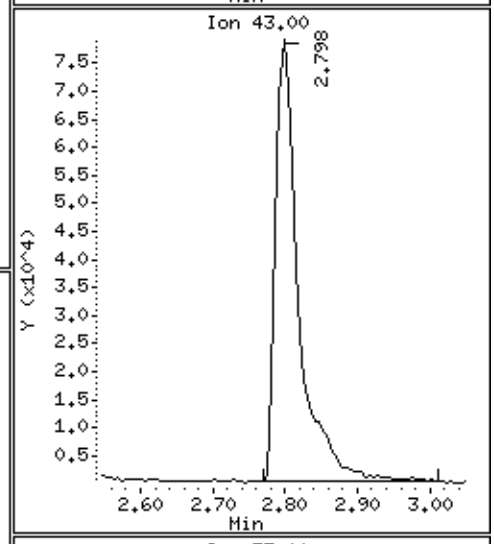


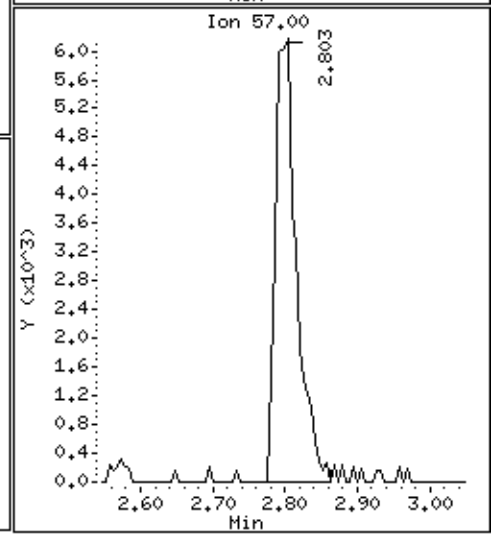












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

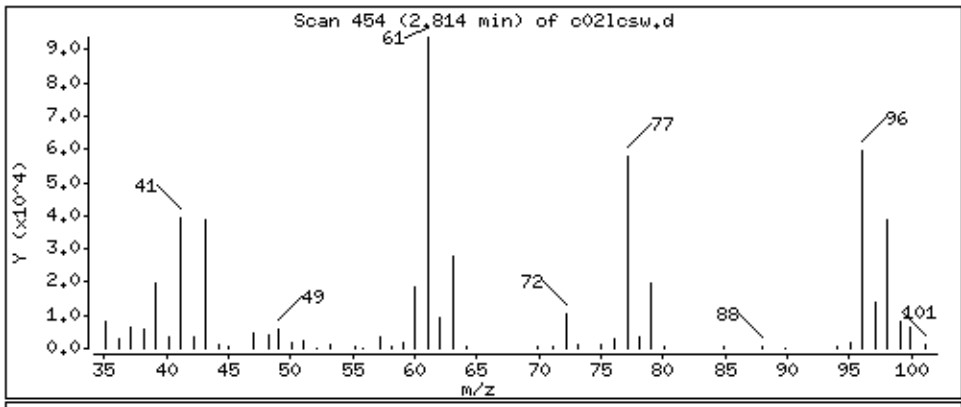
Column phase: DB-624

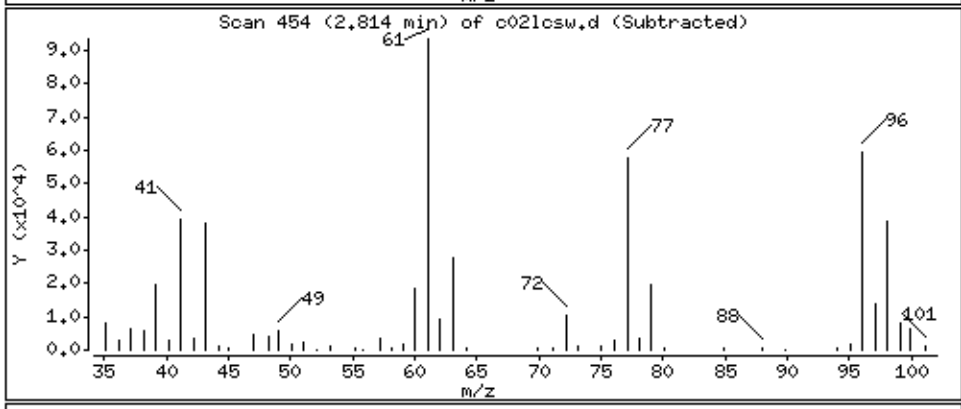
Column diameter: 0.18

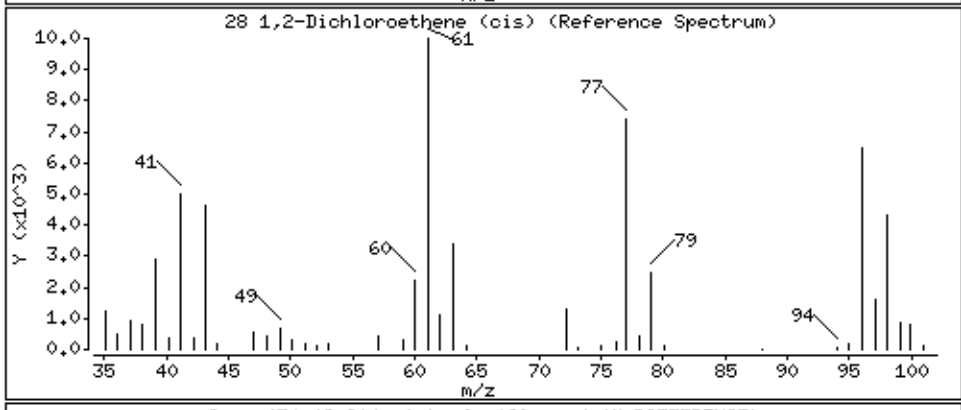
28 1,2-Dichloroethene (cis)

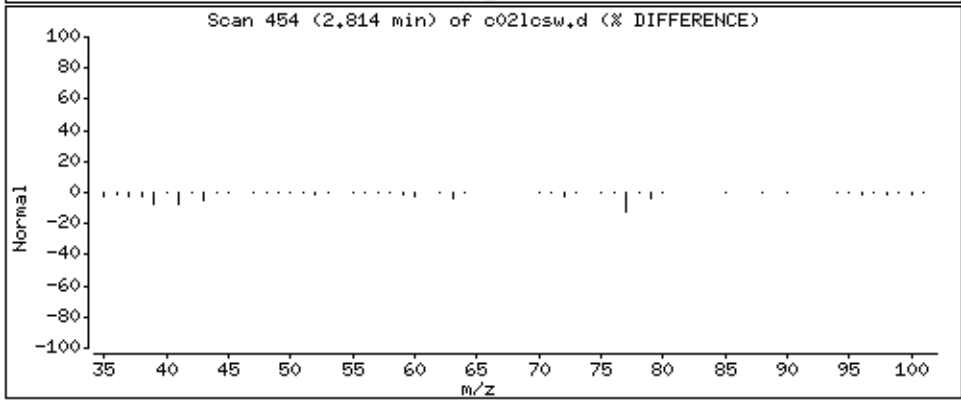
Concentration: 47.4 ppb

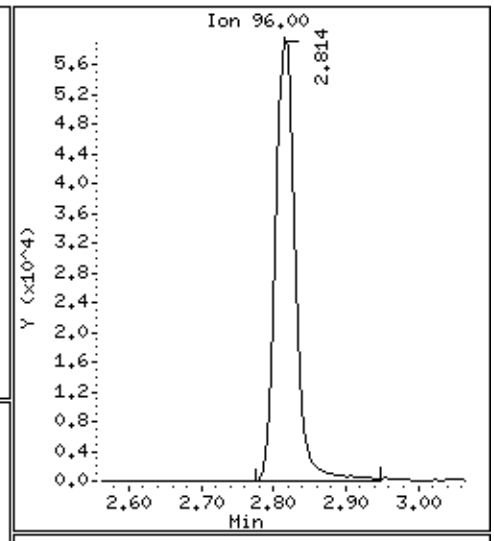
Review Code:

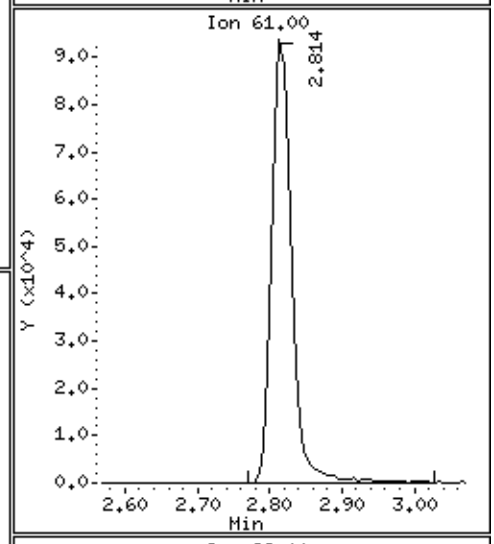


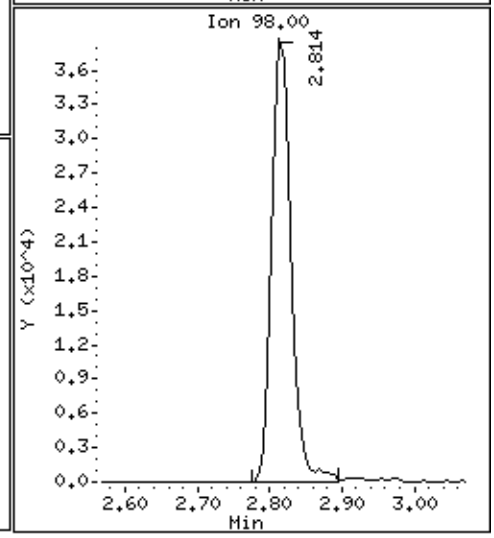












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

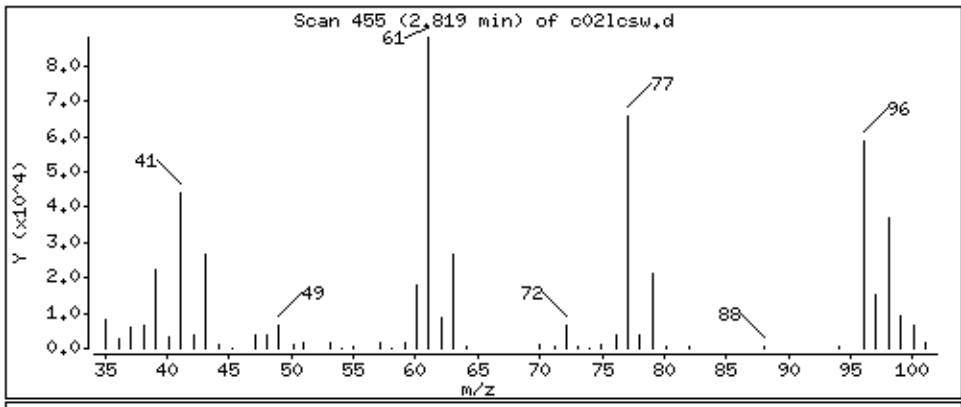
Column phase: DB-624

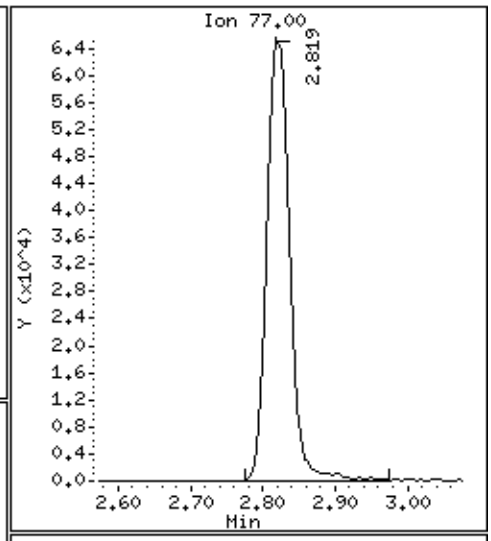
Column diameter: 0.18

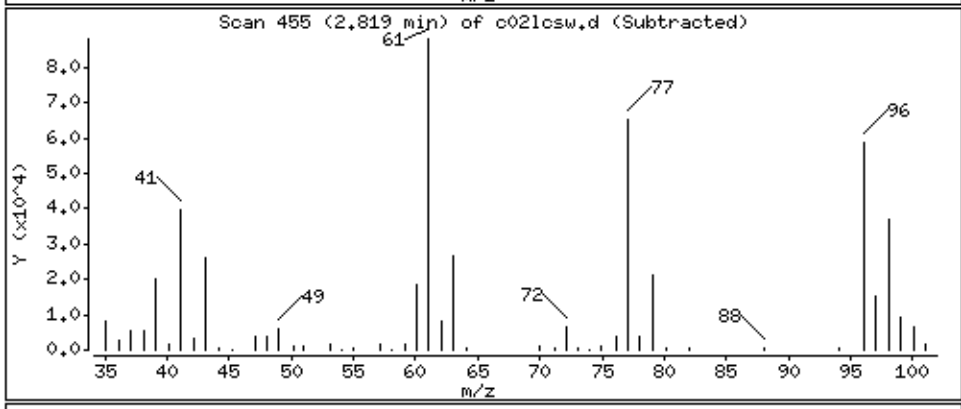
29 2,2-Dichloropropane

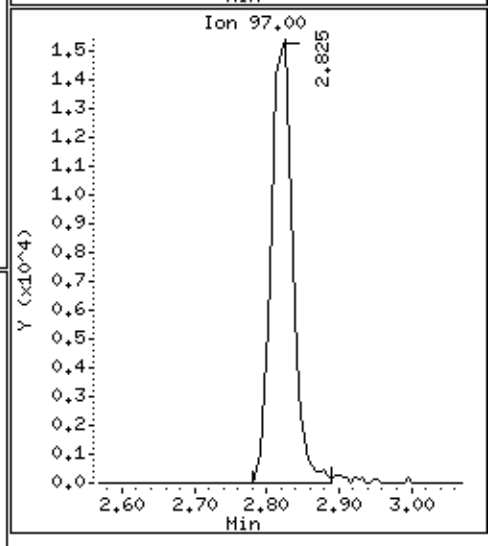
Concentration: 43.4 ppb

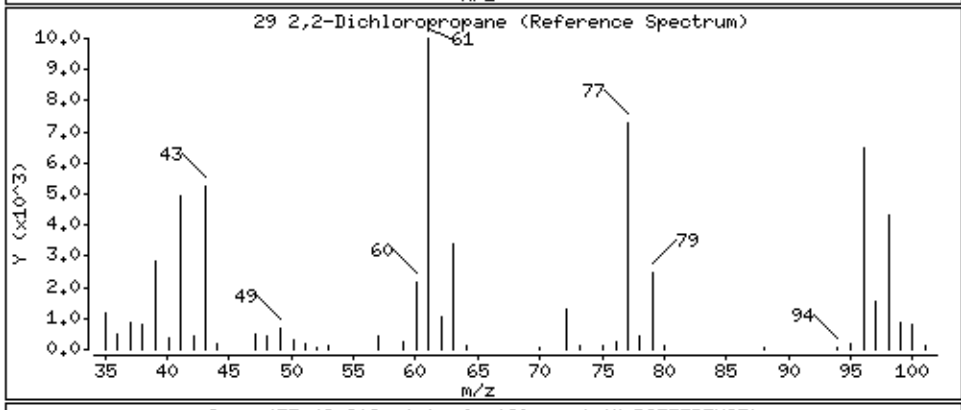
Review Code:

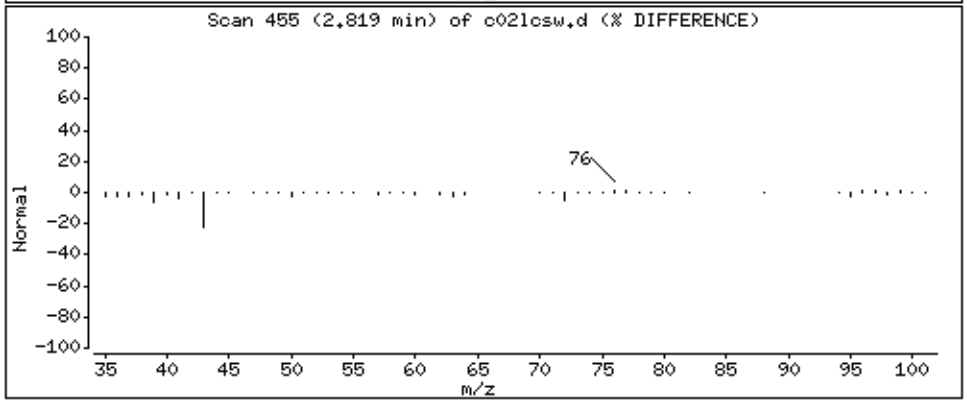












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

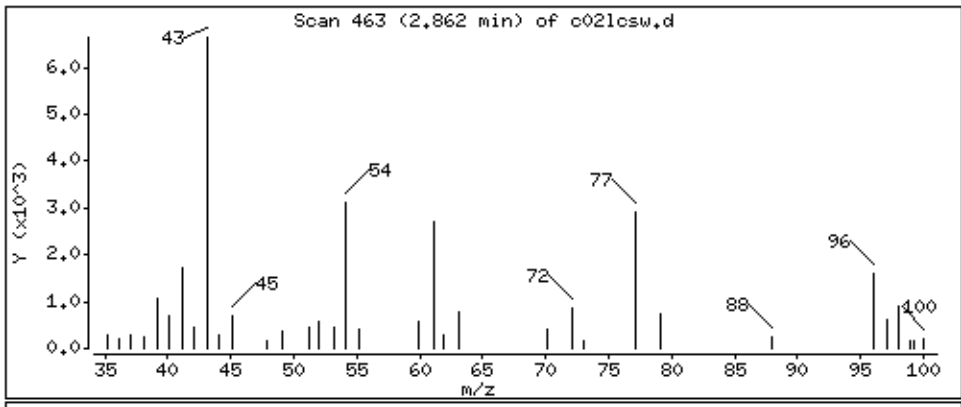
Column phase: DB-624

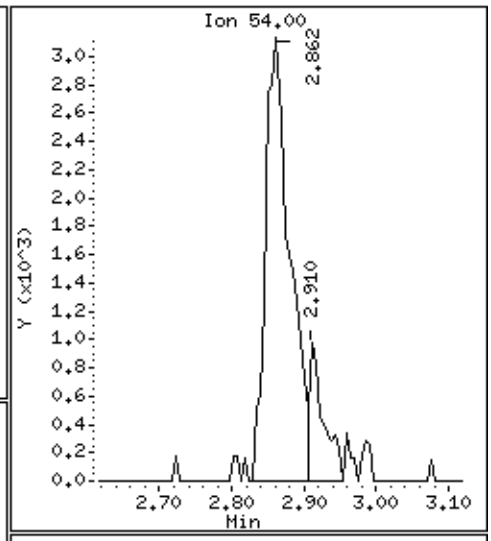
Column diameter: 0.18

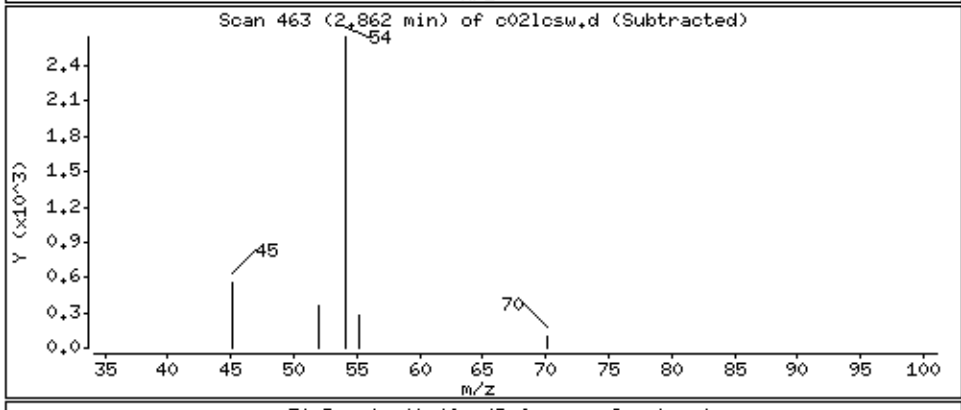
30 Propionitrile

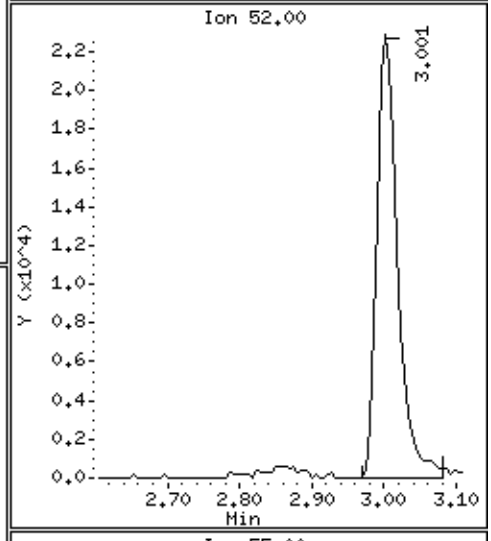
Concentration: 35.8 ppb

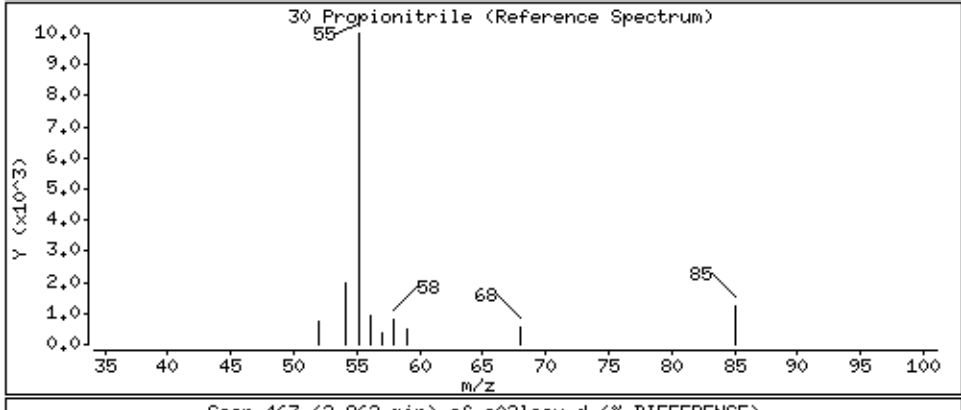
Review Code:

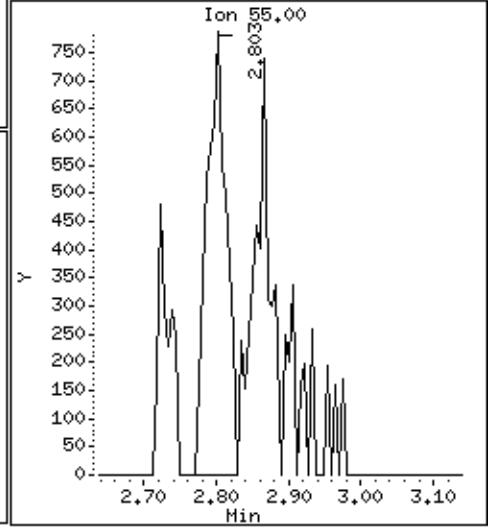


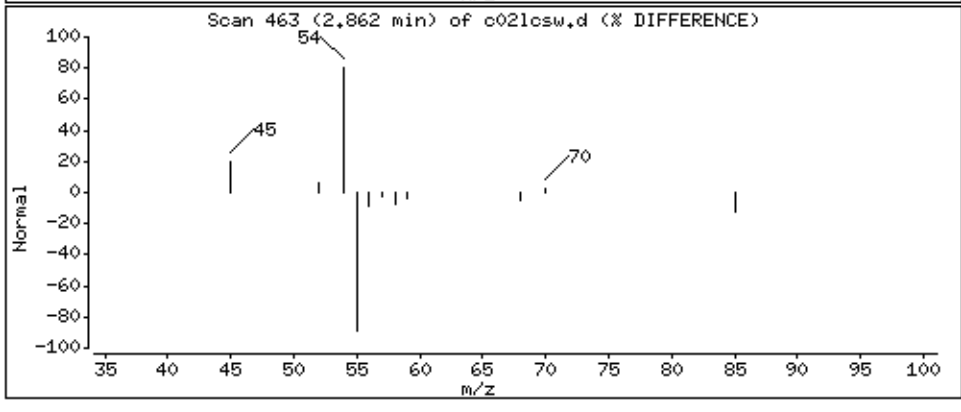












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

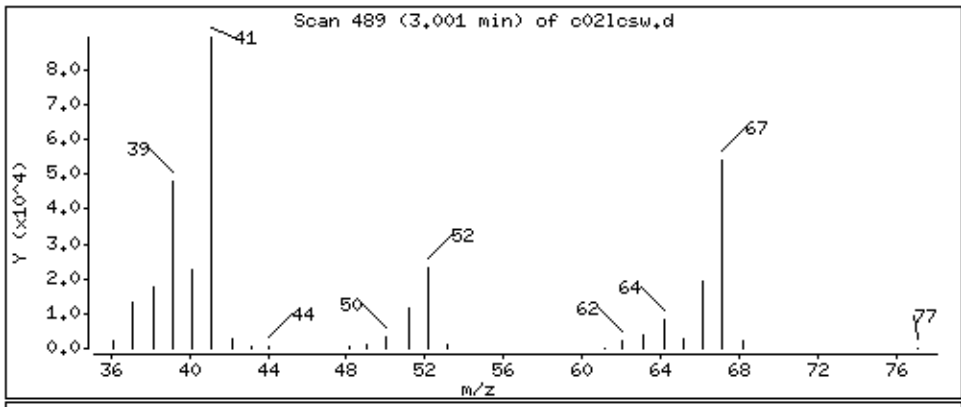
Column phase: DB-624

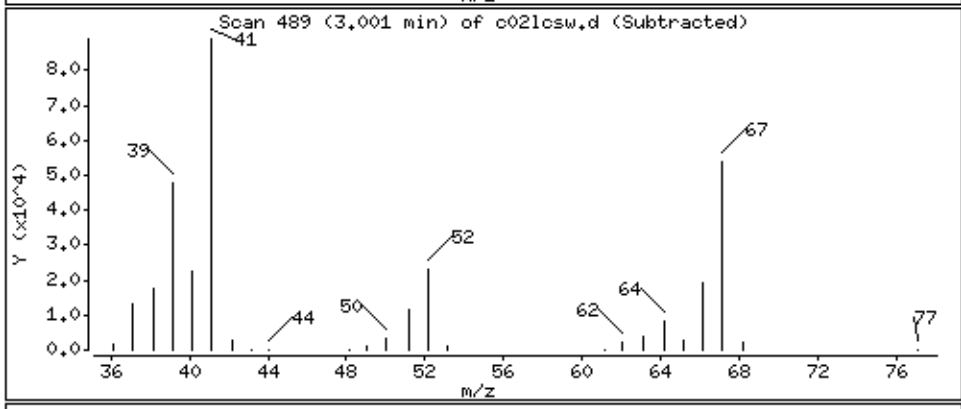
Column diameter: 0.18

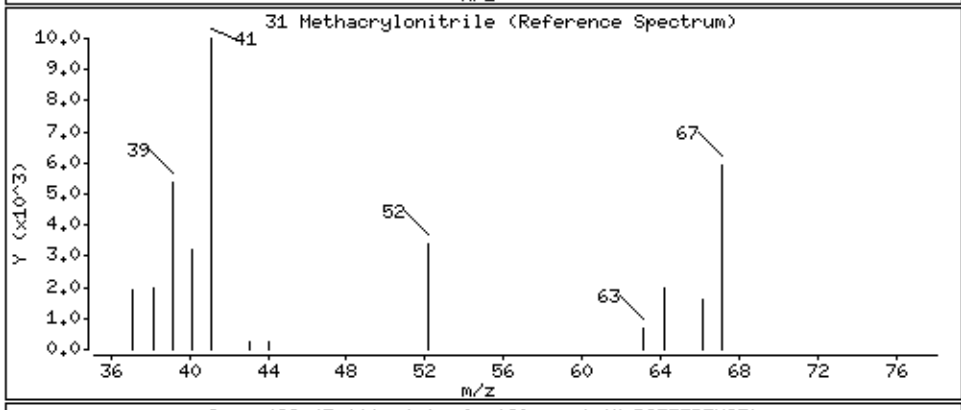
31 Methacrylonitrile

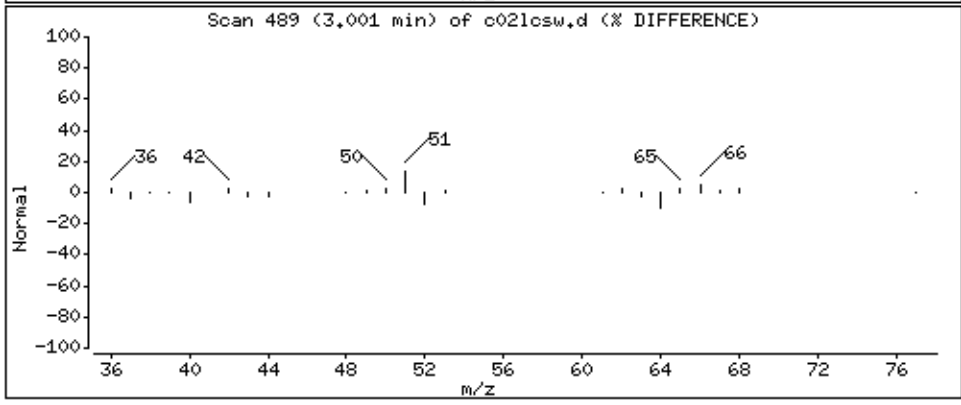
Concentration: 201 ppb

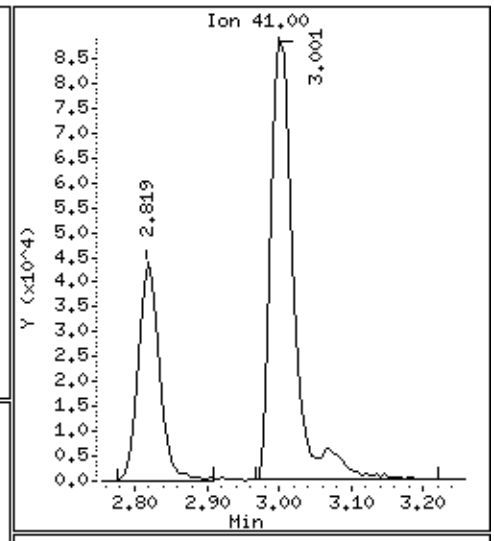
Review Code:

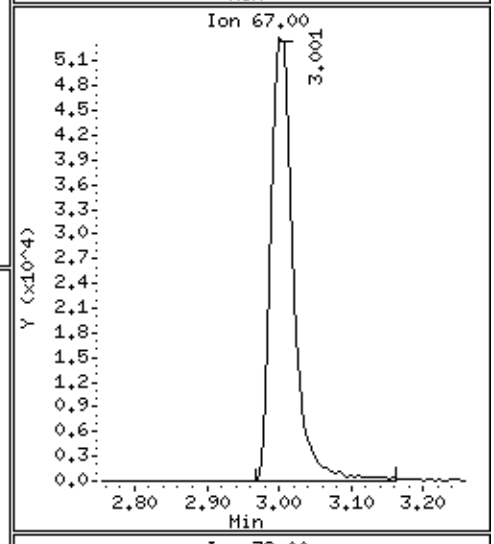


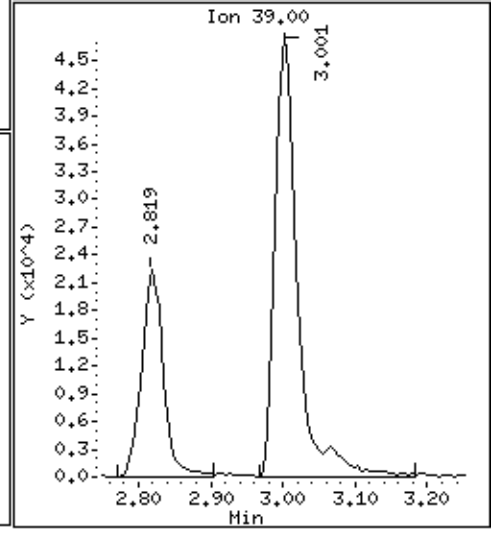












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

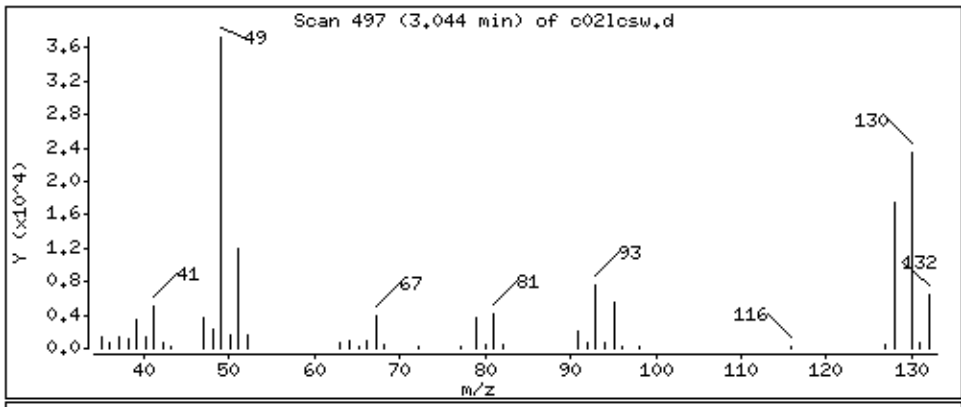
Column phase: DB-624

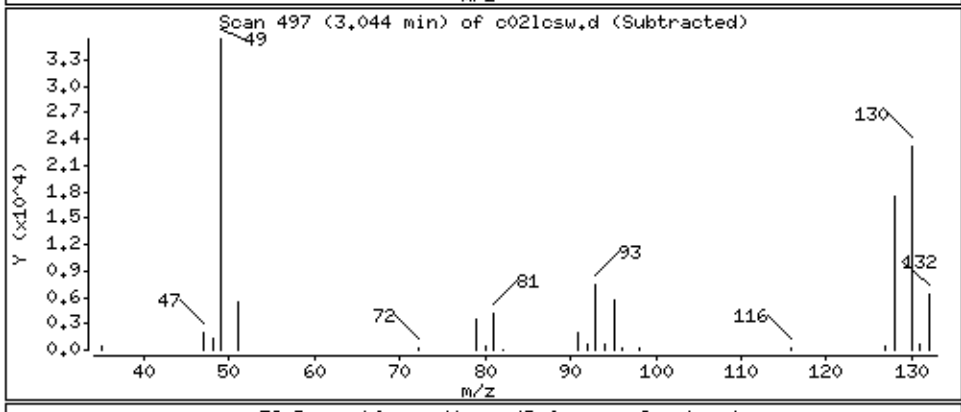
Column diameter: 0.18

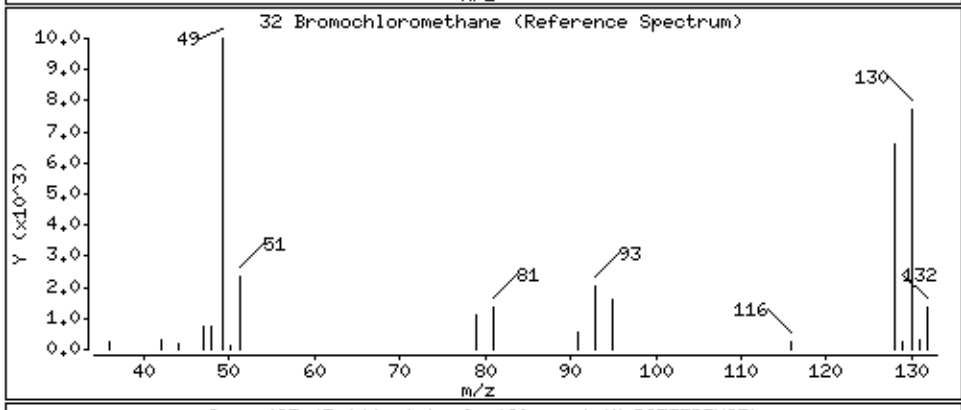
32 Bromochloromethane

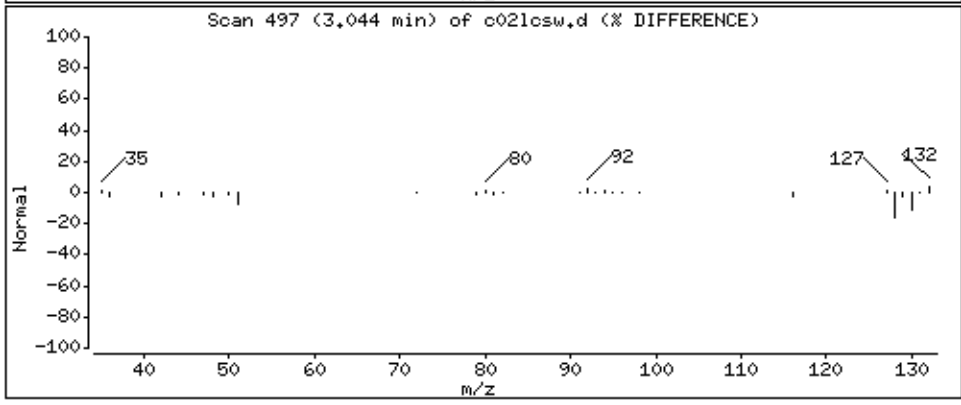
Concentration: 46.8 ppb

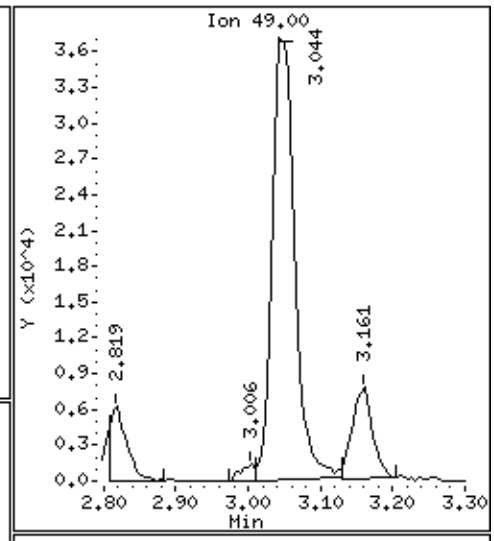
Review Code:

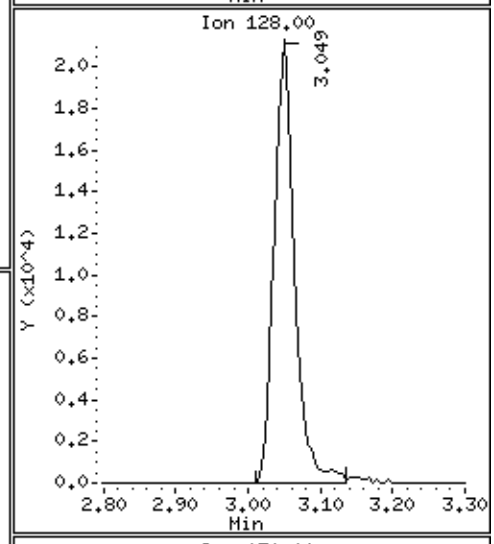


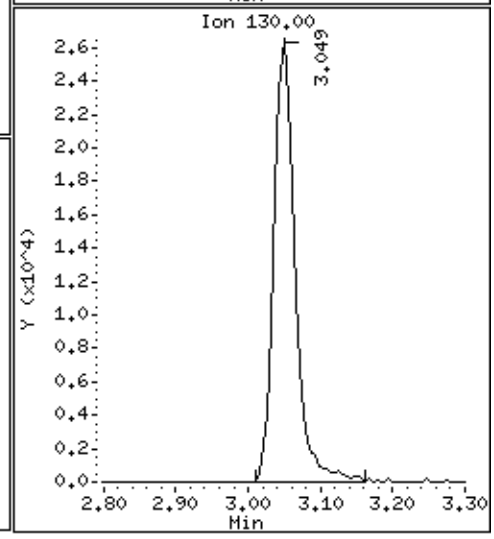












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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

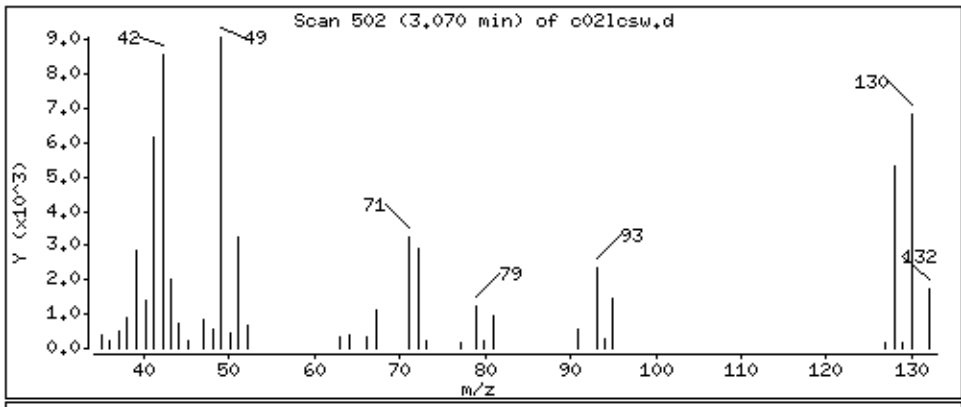
Column phase: DB-624

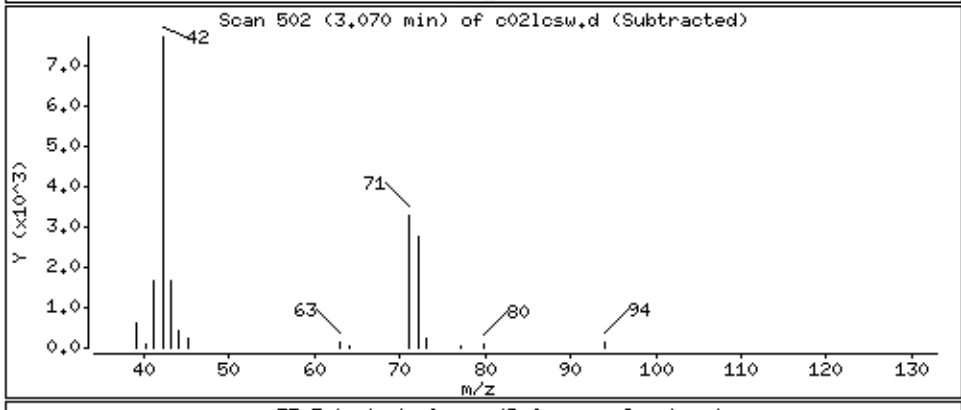
Column diameter: 0.18

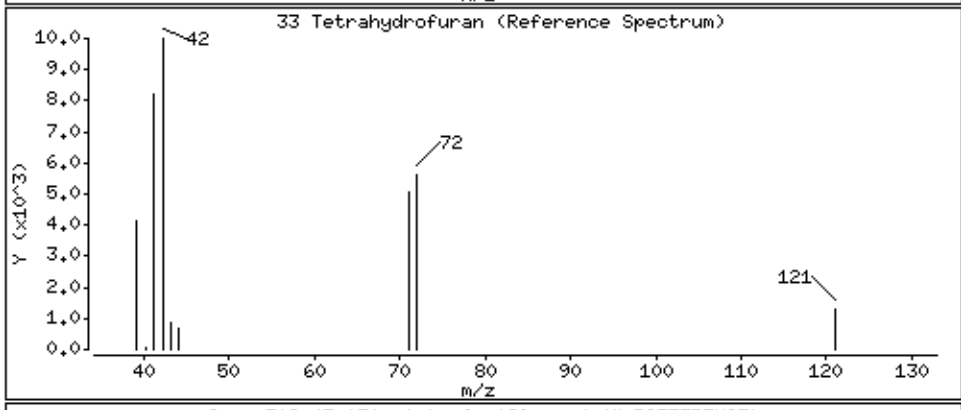
33 Tetrahydrofuran

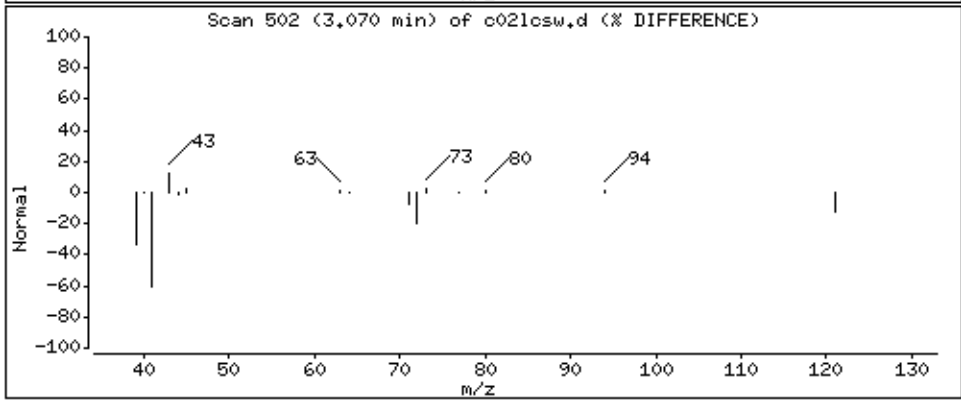
Concentration: 45.2 ppb

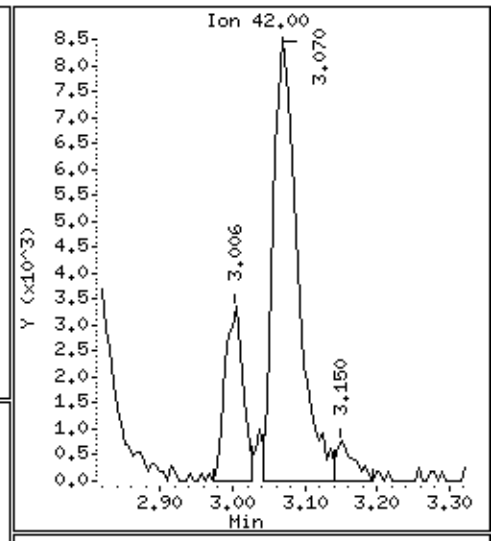
Review Code:

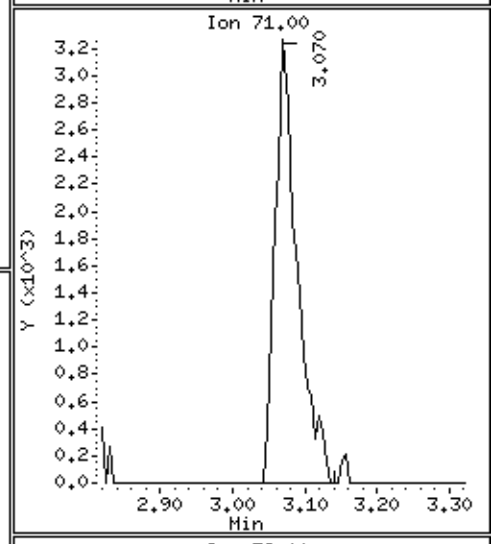


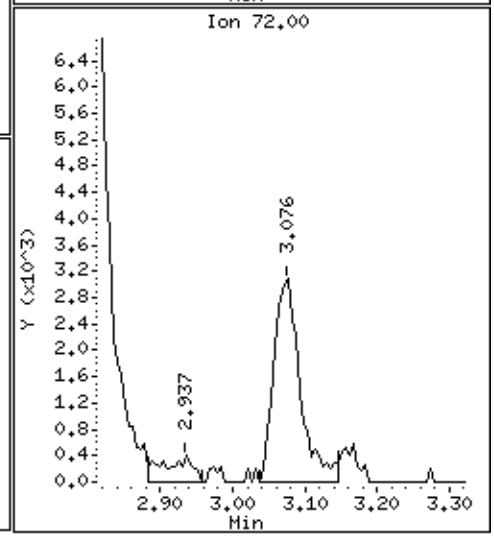












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

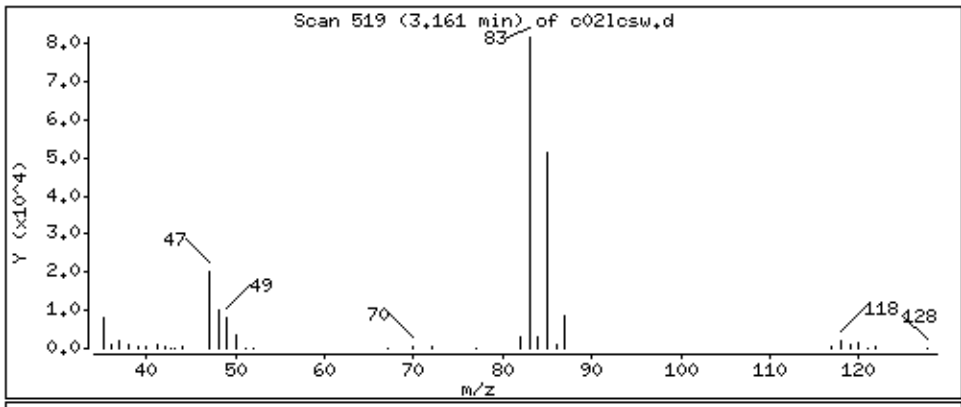
Column phase: DB-624

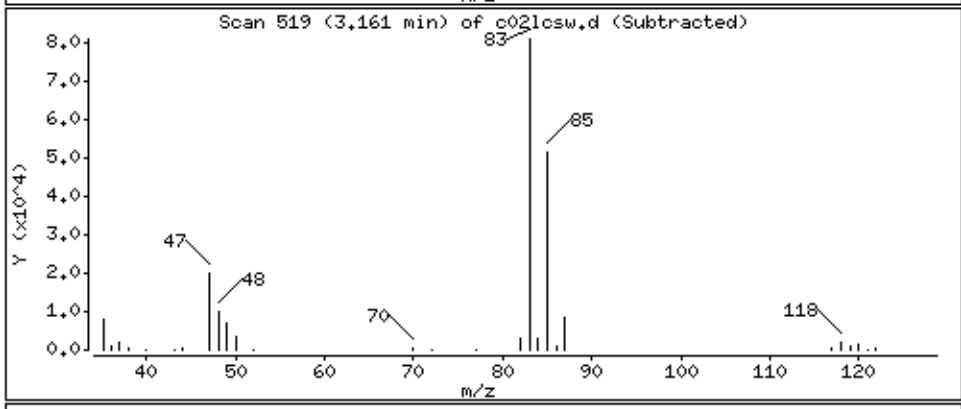
Column diameter: 0.18

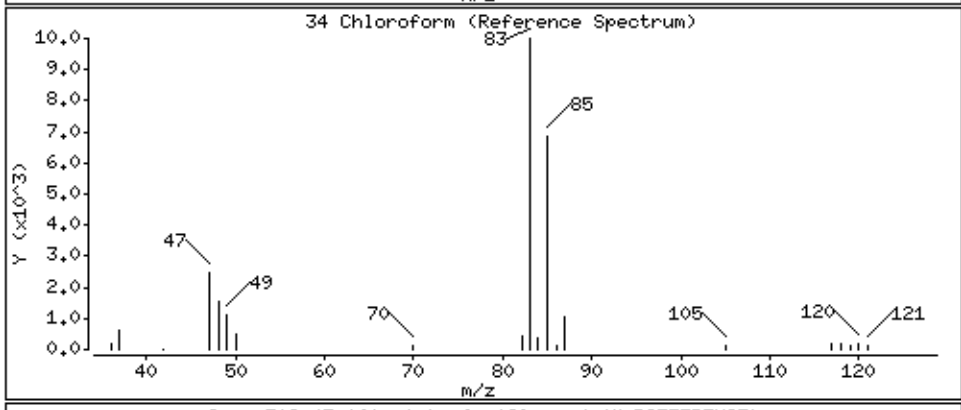
34 Chloroform

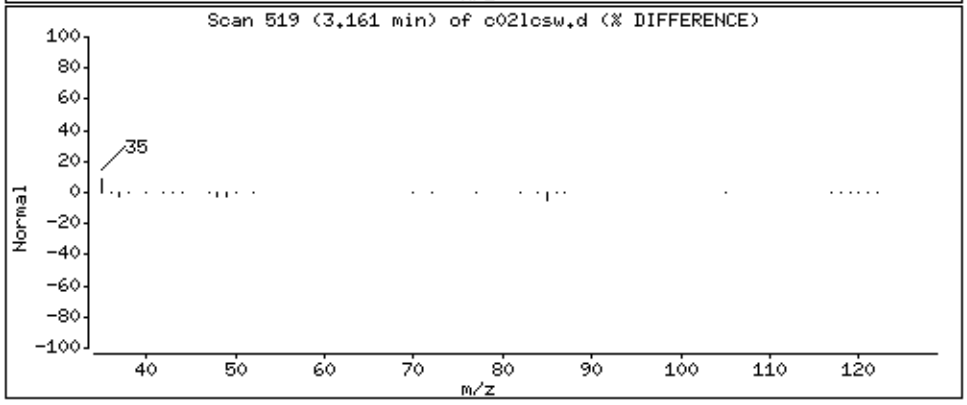
Concentration: 46.5 ppb

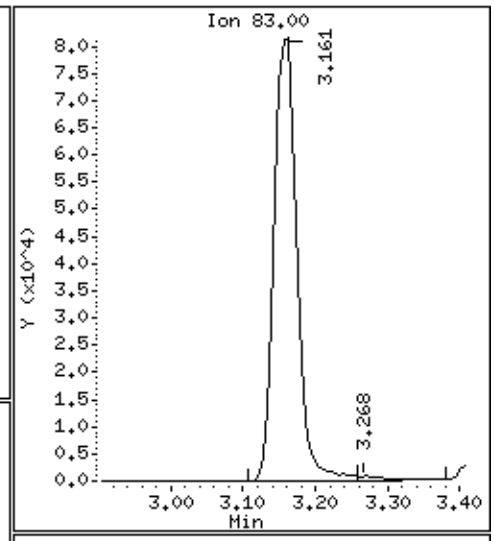
Review Code:

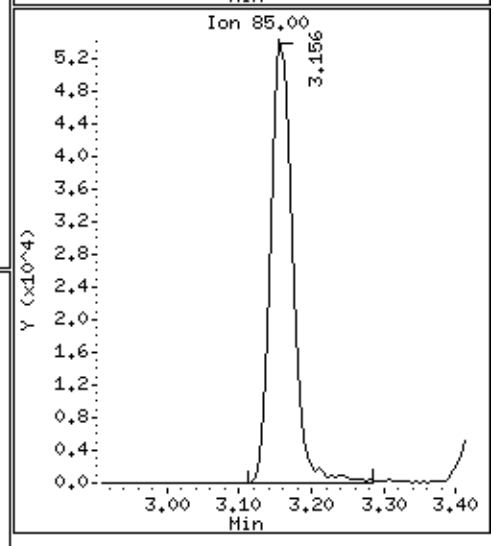












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

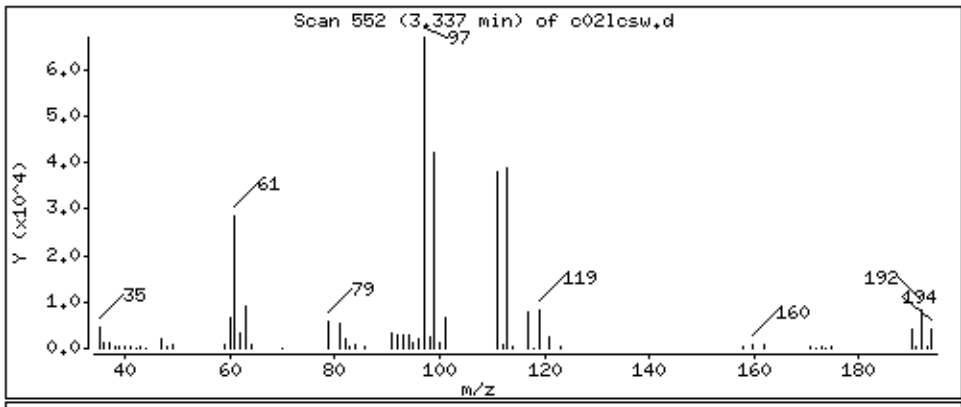
Column phase: DB-624

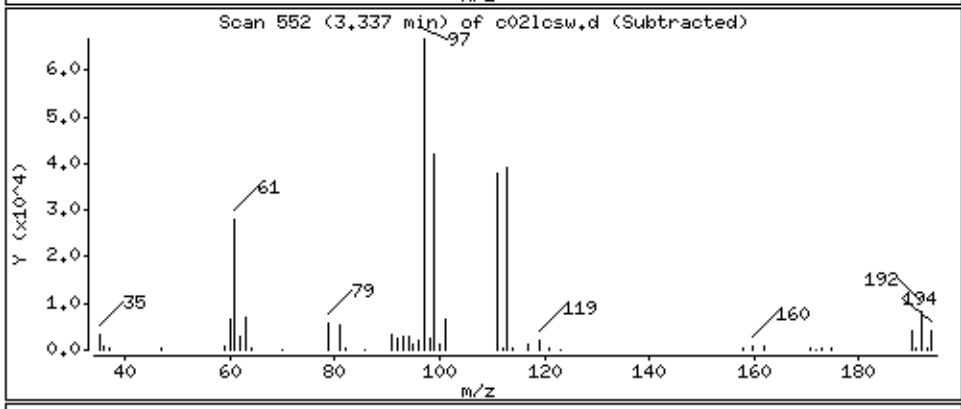
Column diameter: 0.18

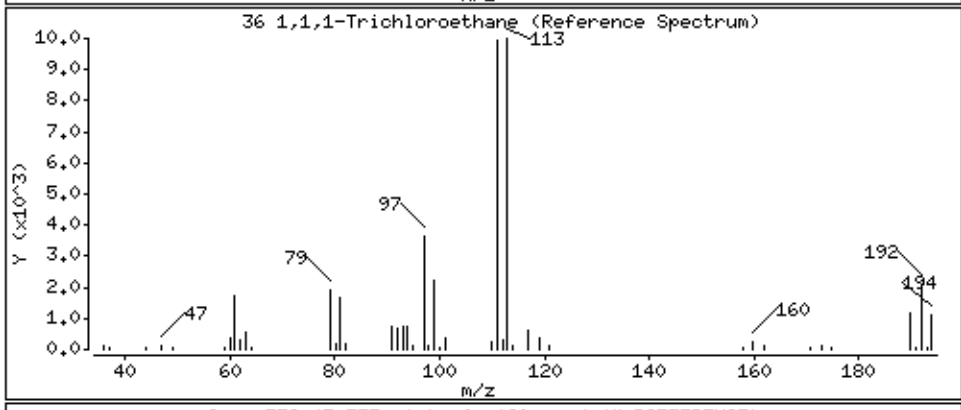
36 1,1,1-Trichloroethane

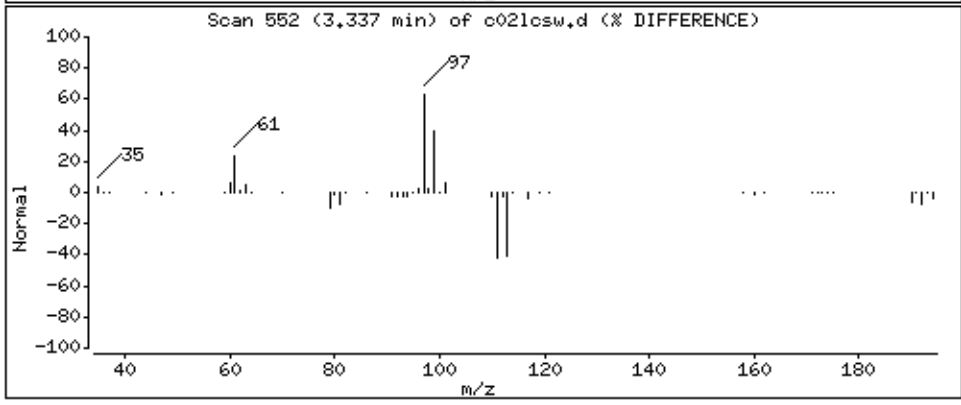
Concentration: 44.2 ppb

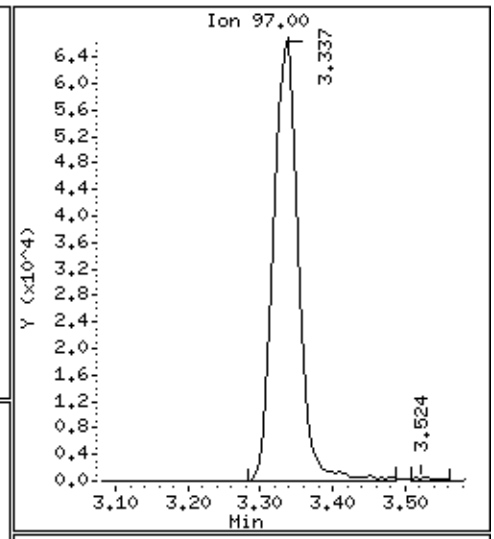
Review Code:

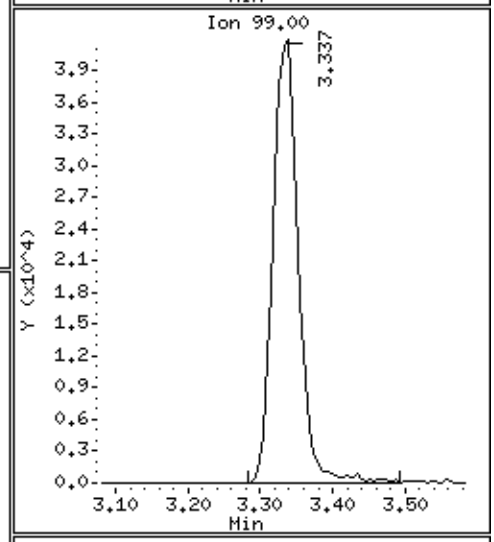


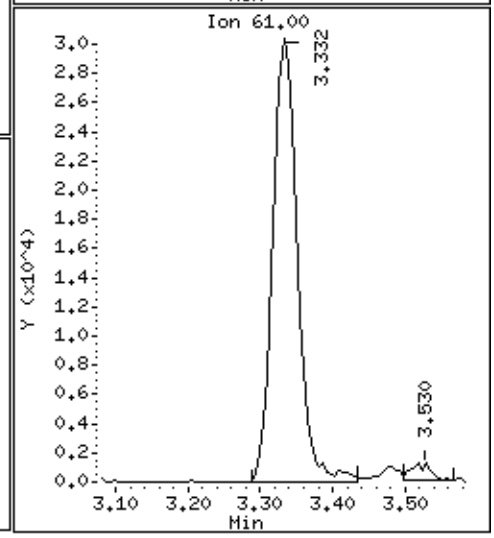












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

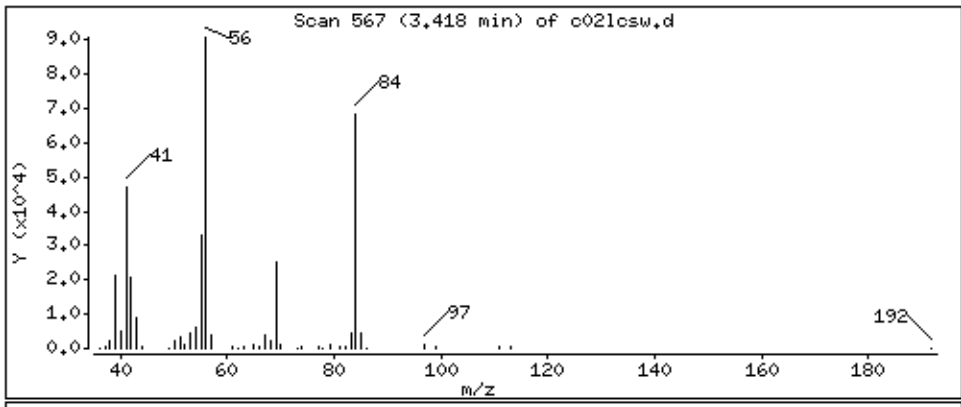
Column phase: DB-624

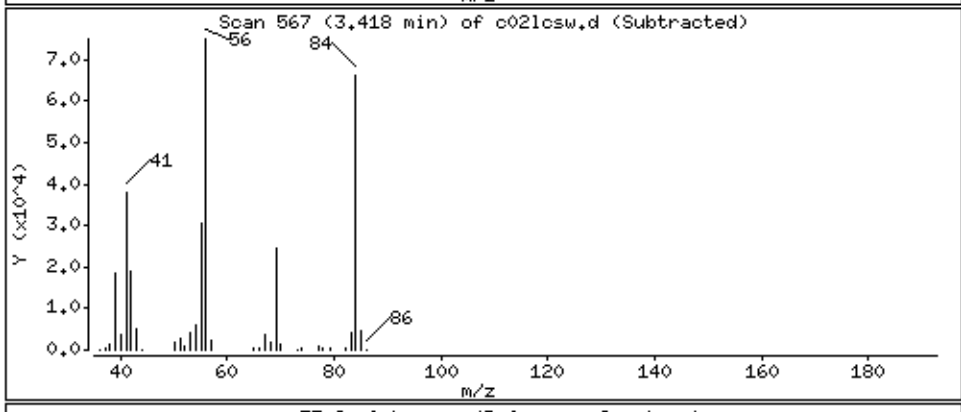
Column diameter: 0.18

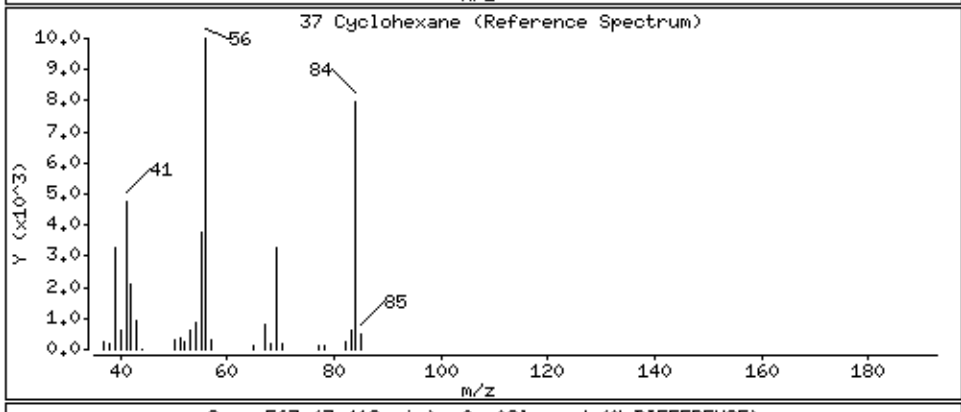
37 Cyclohexane

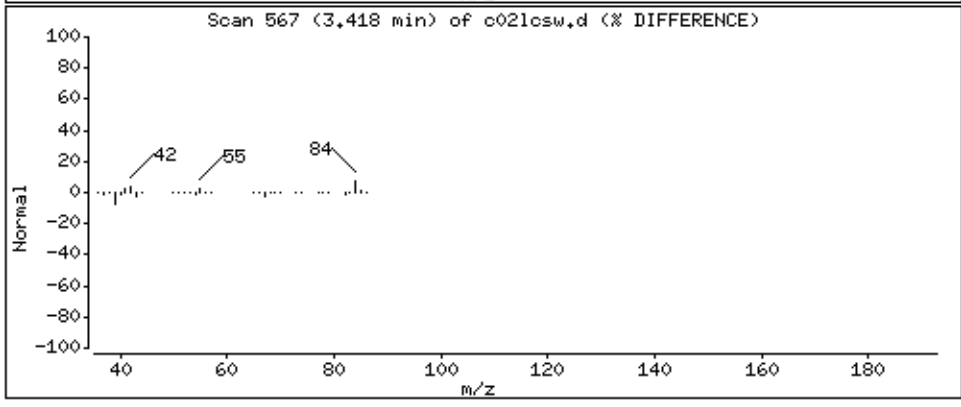
Concentration: 49.9 ppb

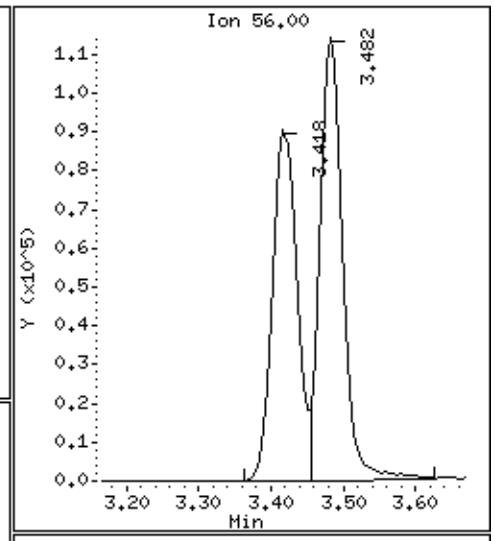
Review Code:

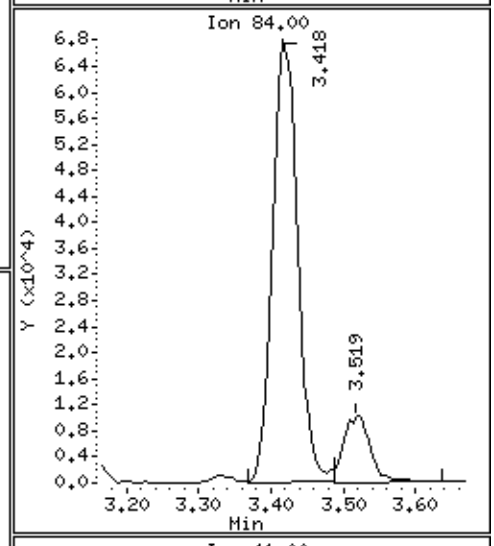


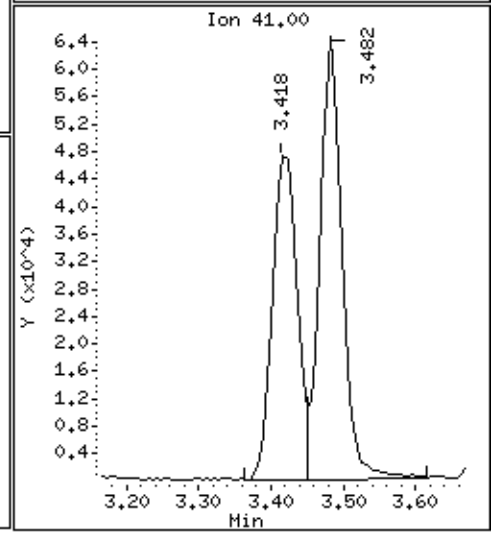












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

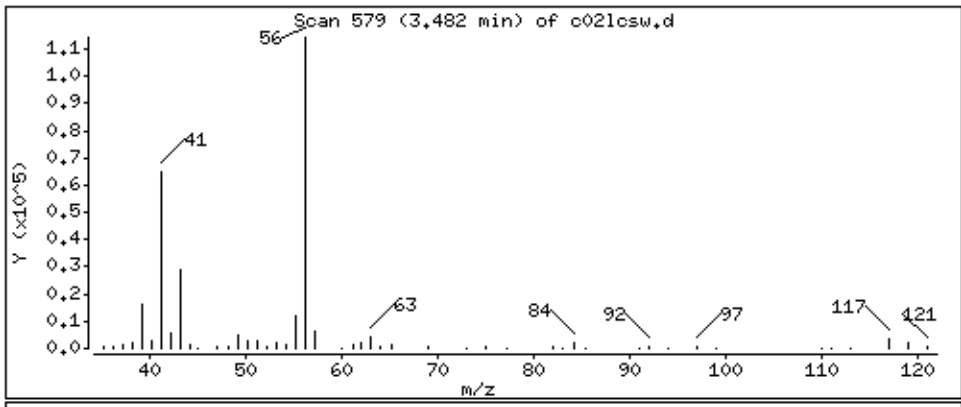
Column phase: DB-624

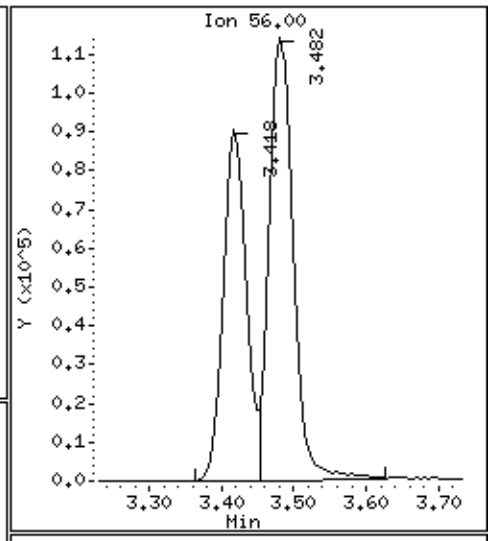
Column diameter: 0.18

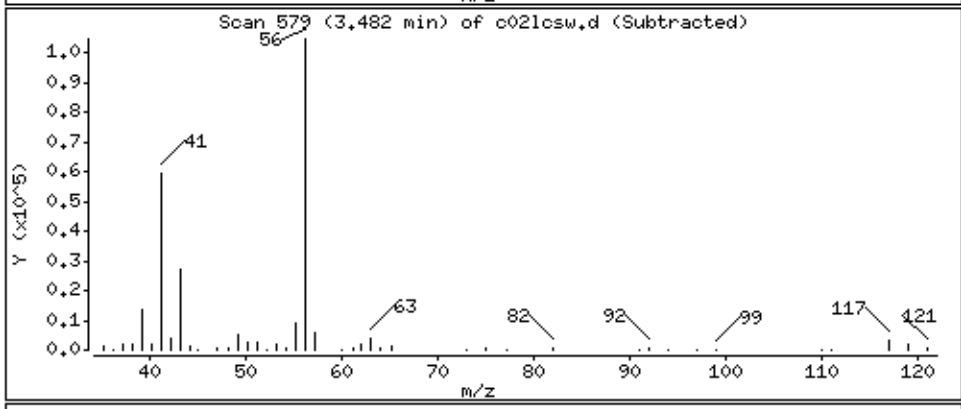
38 n-Butyl chloride

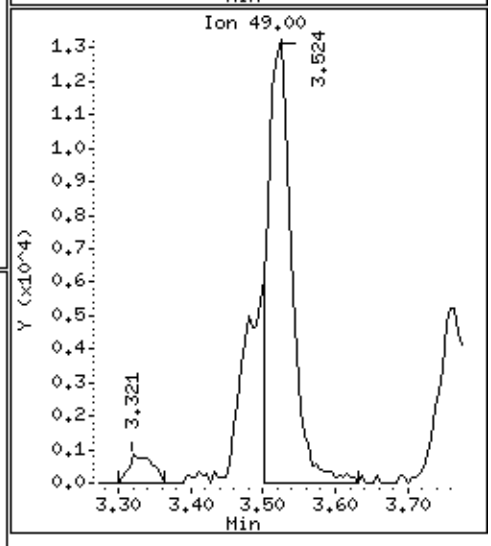
Concentration: 48.6 ppb

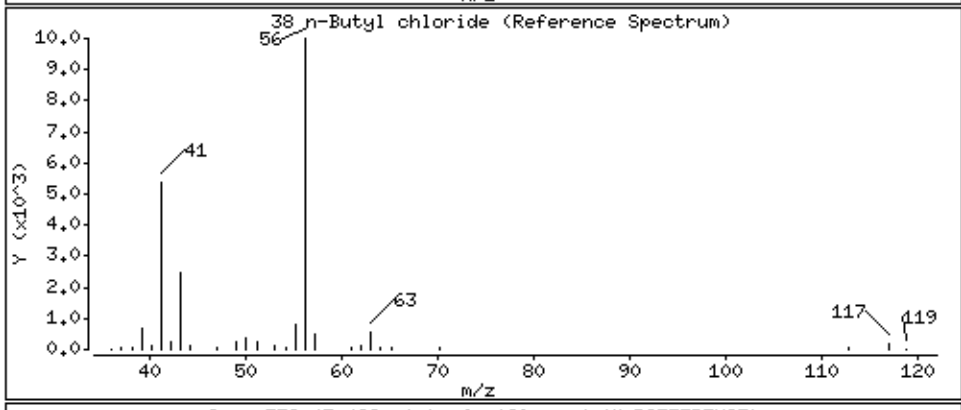
Review Code:

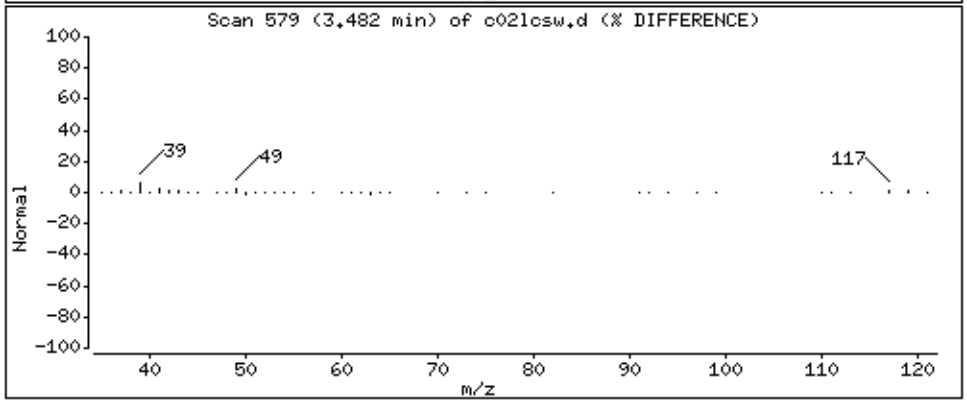












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

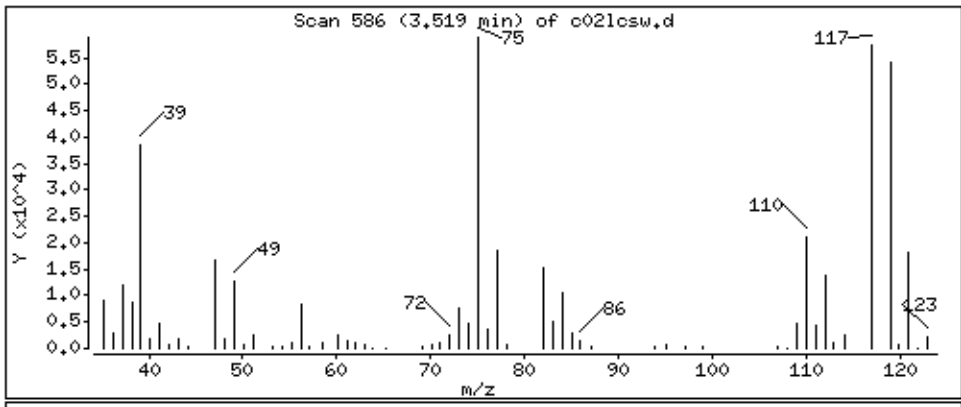
Column phase: DB-624

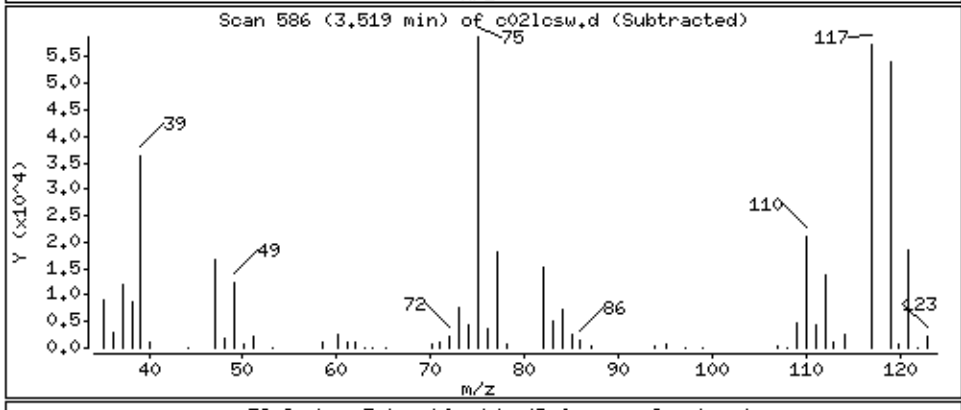
Column diameter: 0.18

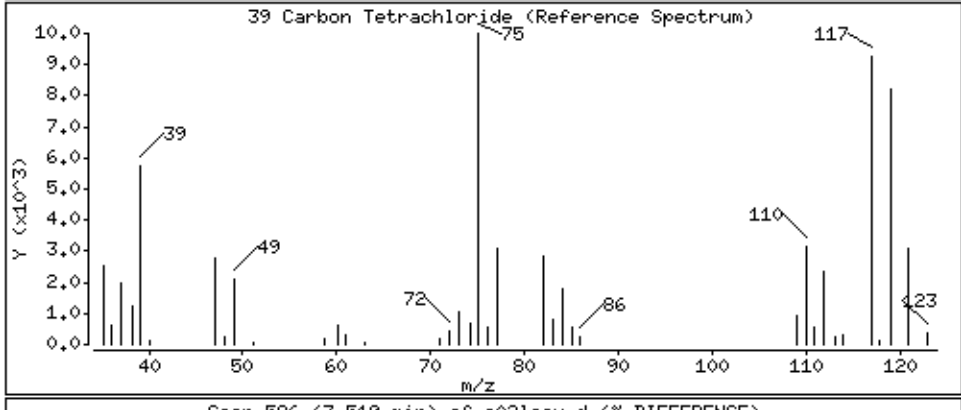
39 Carbon Tetrachloride

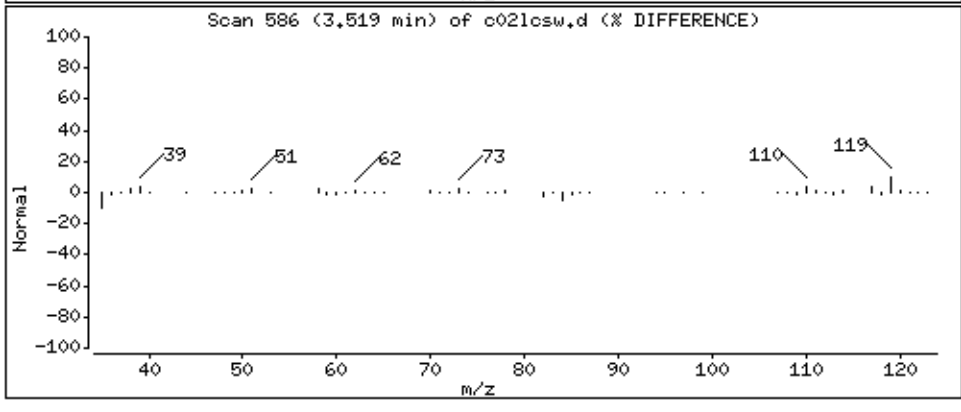
Concentration: 47.2 ppb

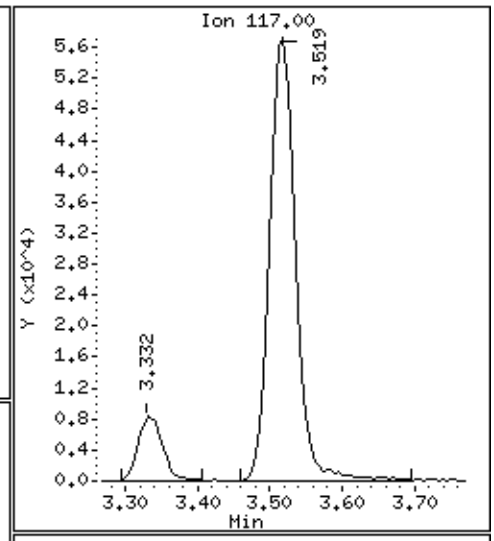
Review Code:

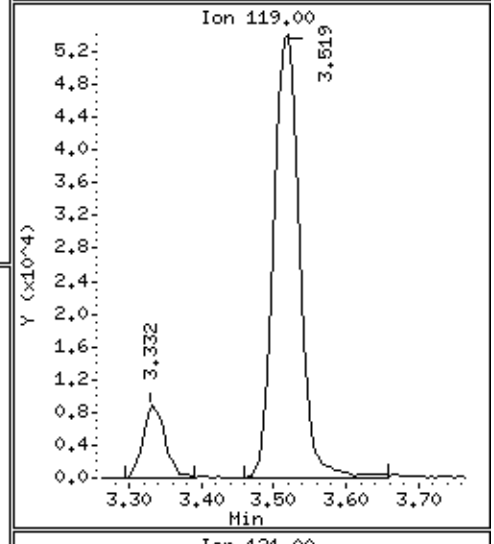


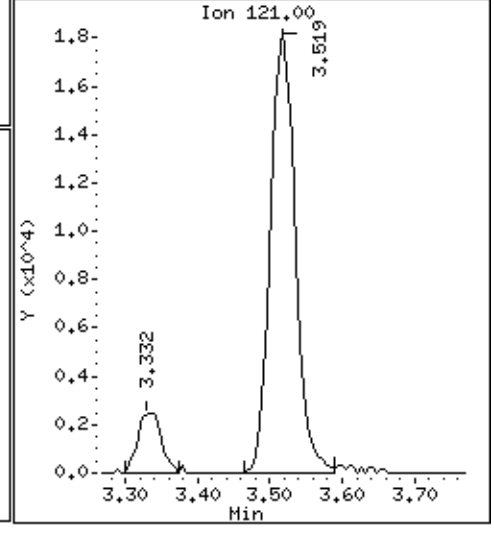












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

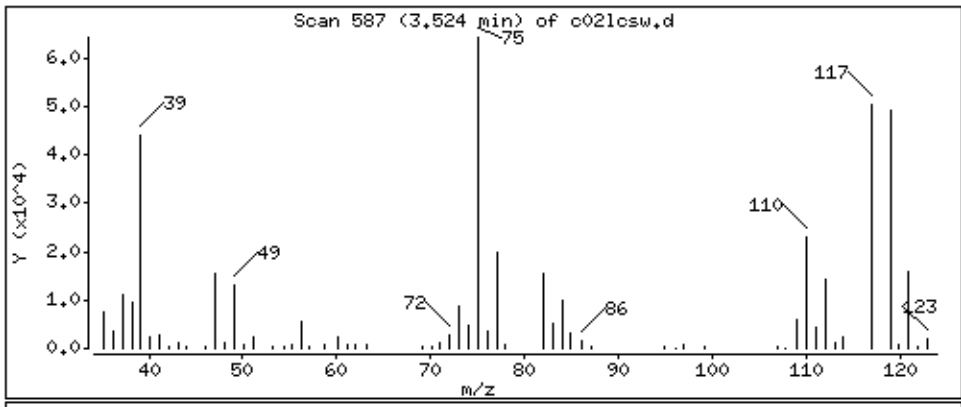
Column phase: DB-624

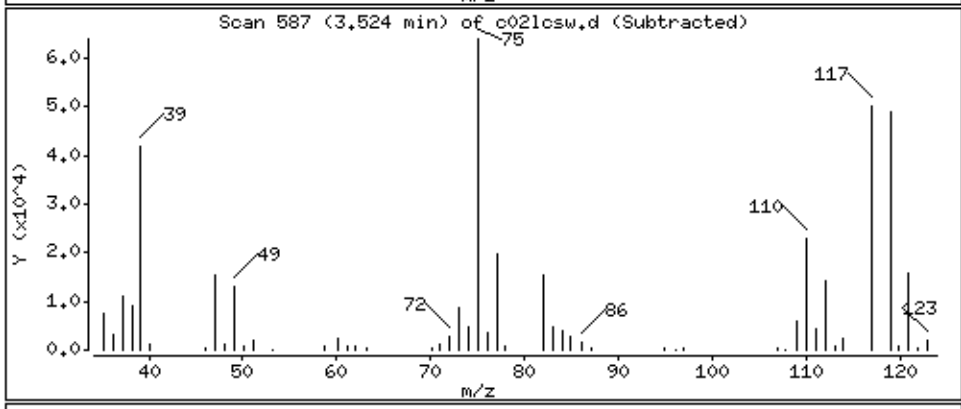
Column diameter: 0.18

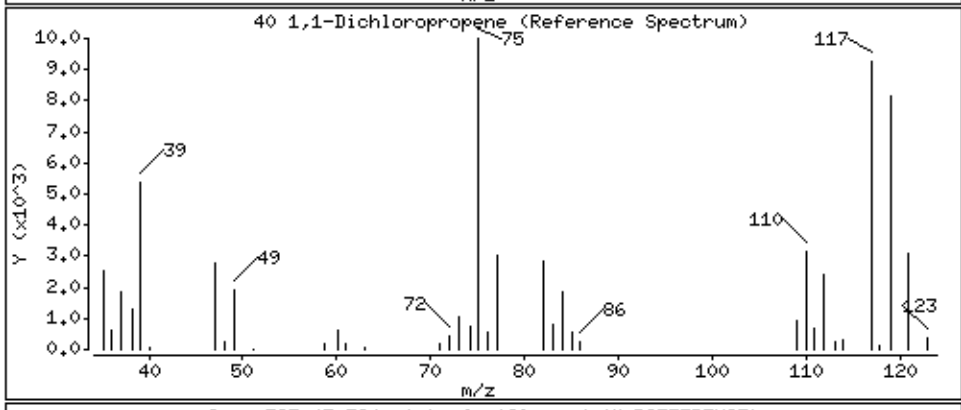
40 1,1-Dichloropropene

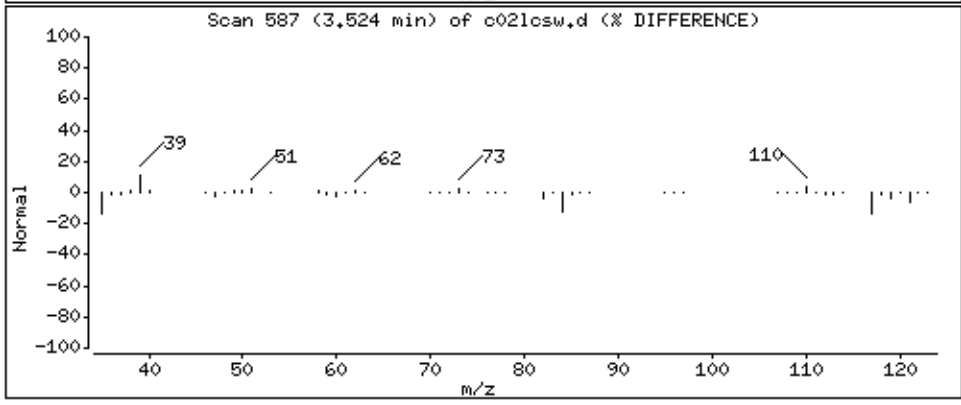
Concentration: 45.9 ppb

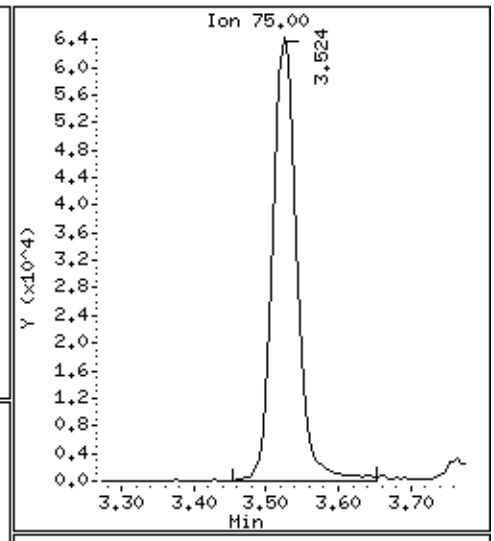
Review Code:

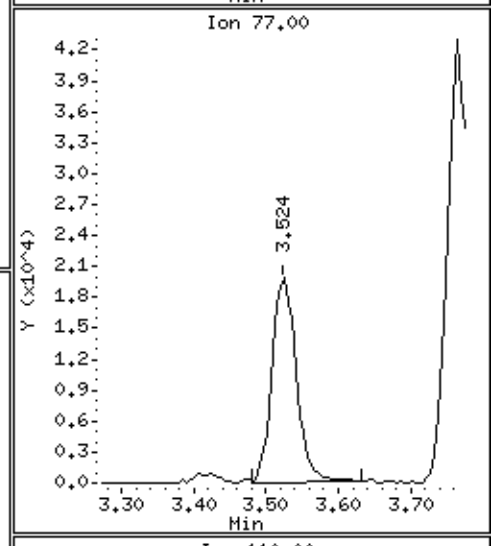


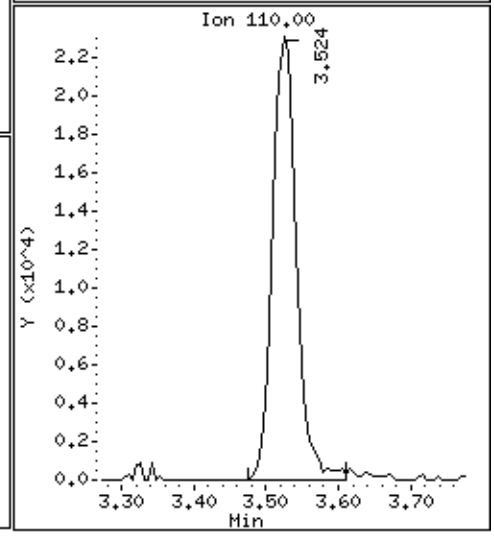












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

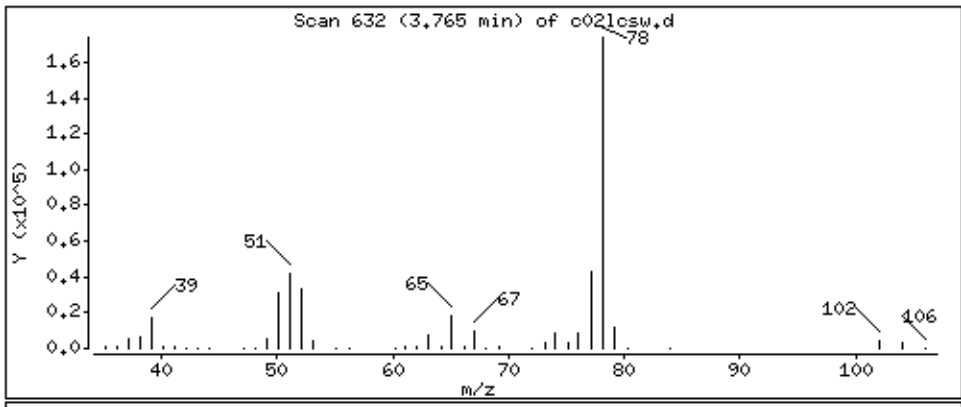
Column phase: DB-624

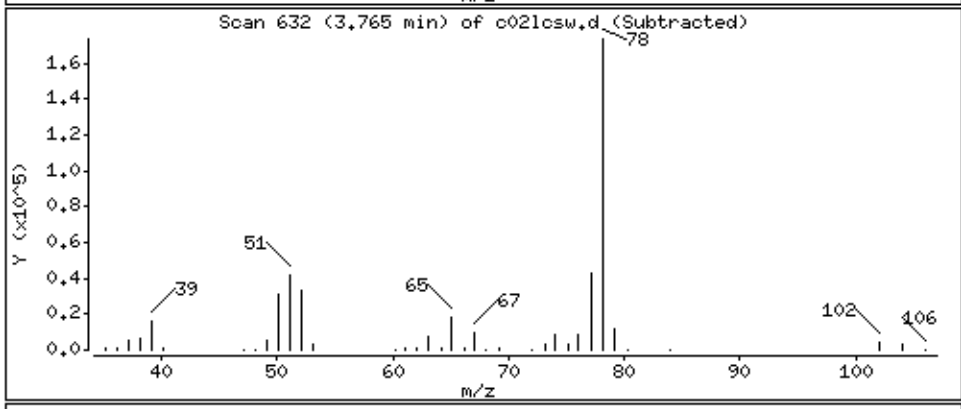
Column diameter: 0.18

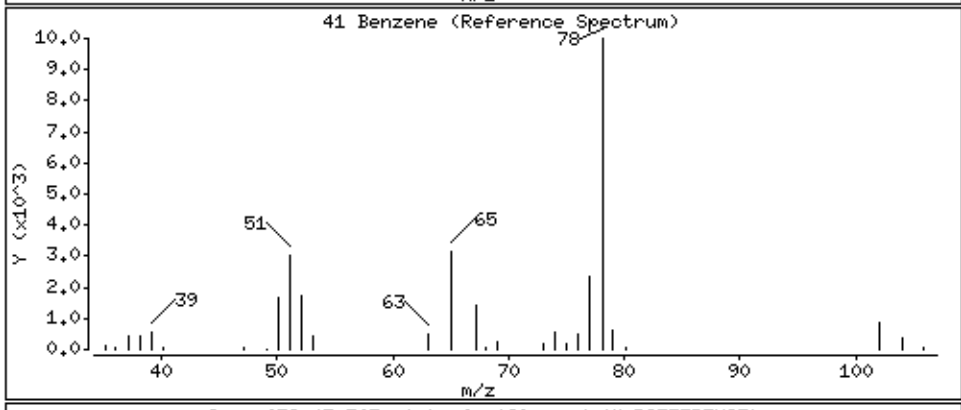
41 Benzene

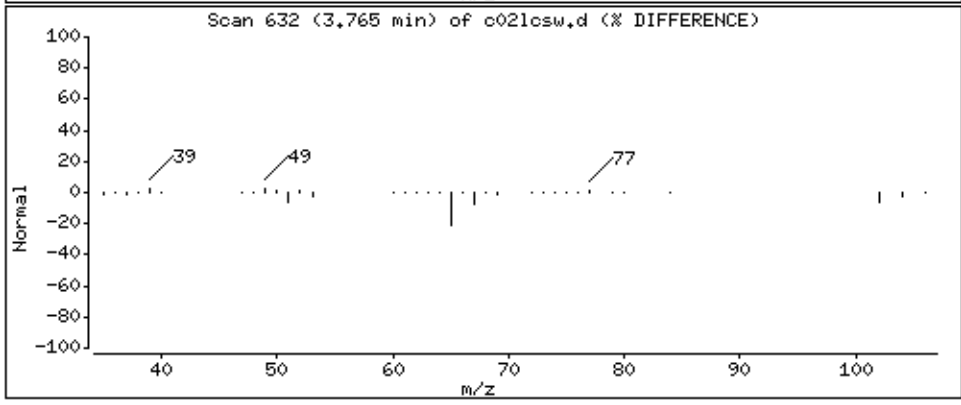
Concentration: 47.8 ppb

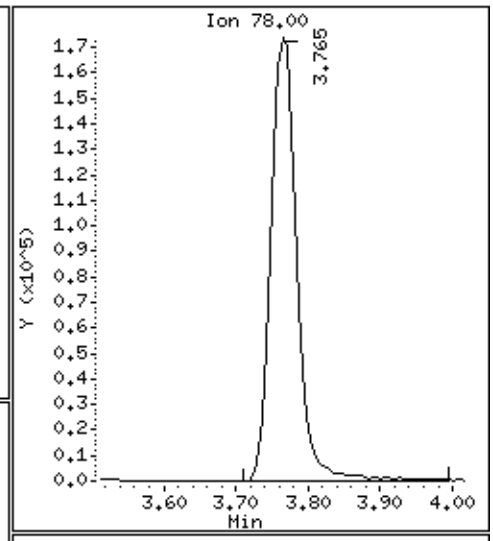
Review Code:

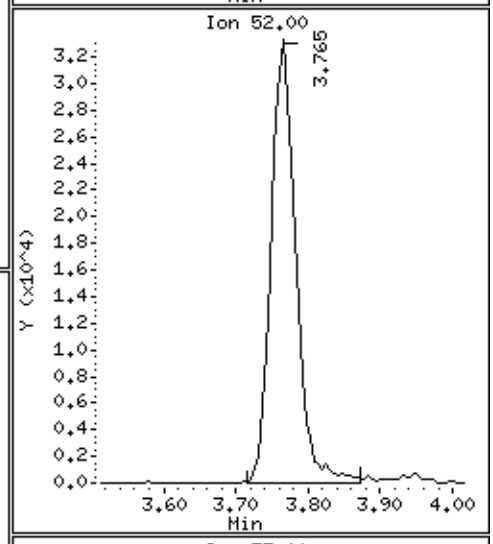


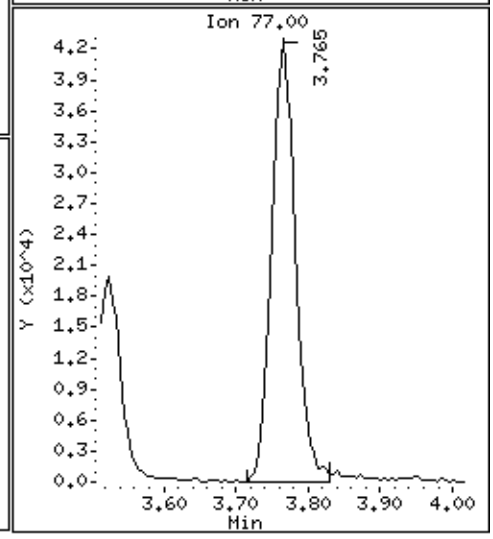












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

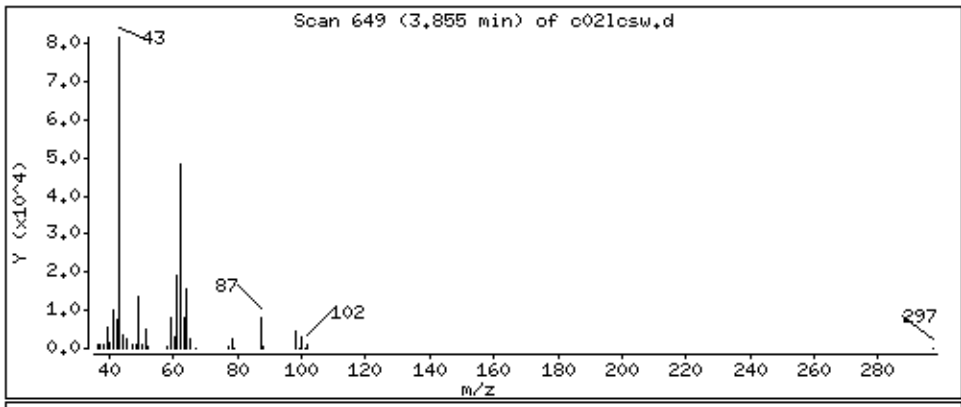
Column phase: DB-624

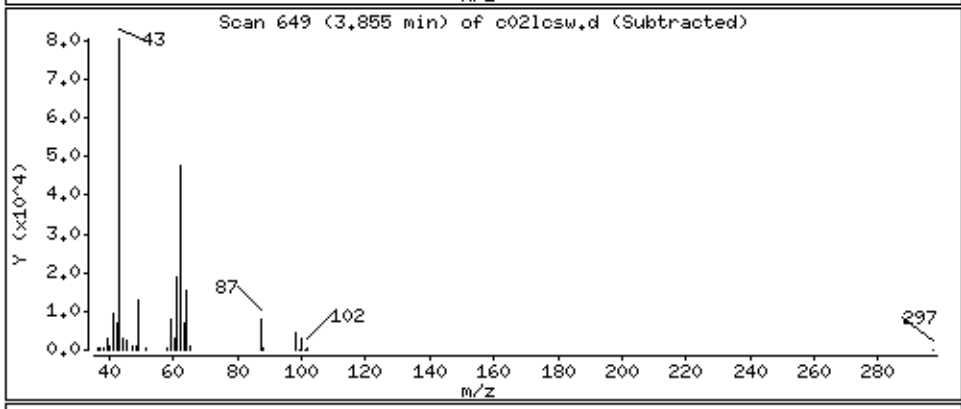
Column diameter: 0.18

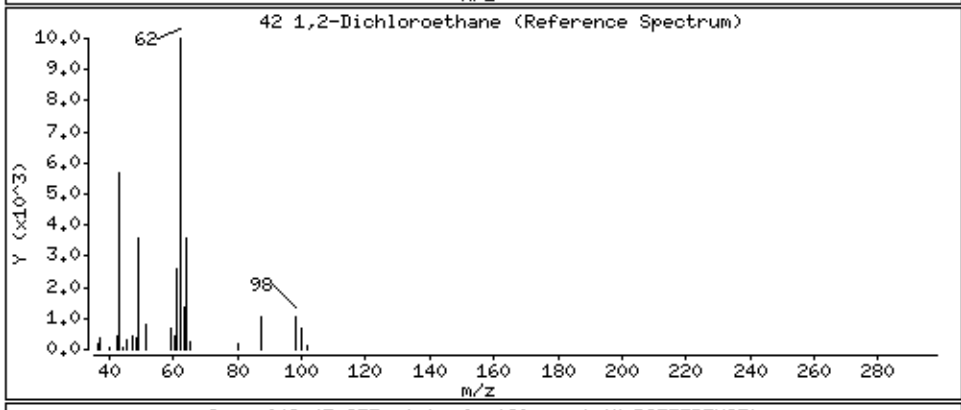
42 1,2-Dichloroethane

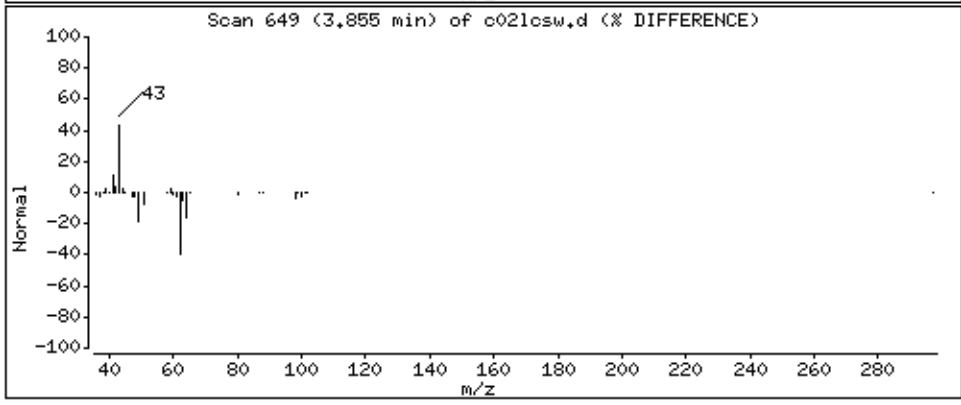
Concentration: 44.1 ppb

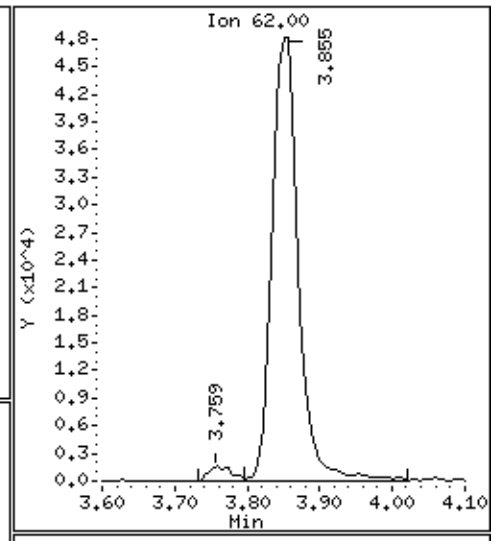
Review Code:

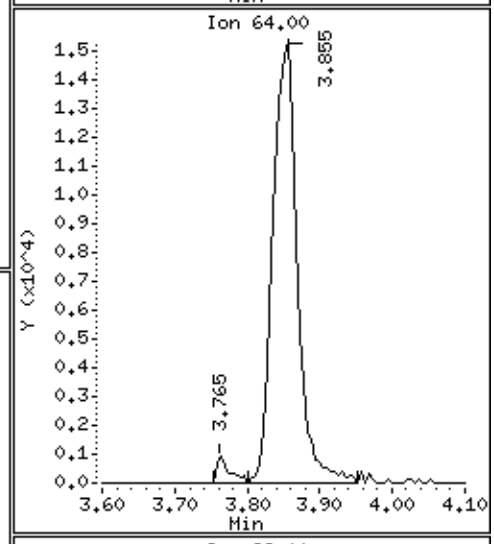


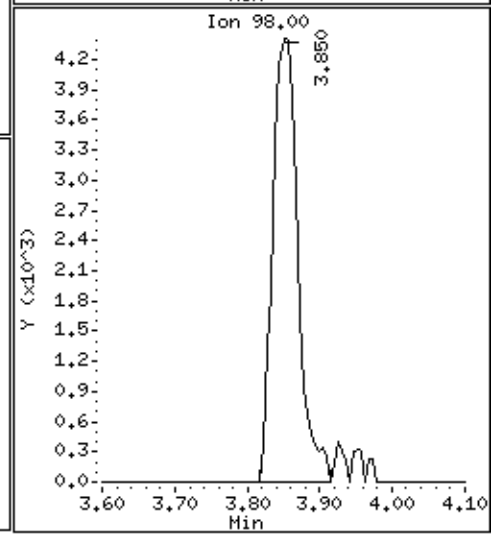












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

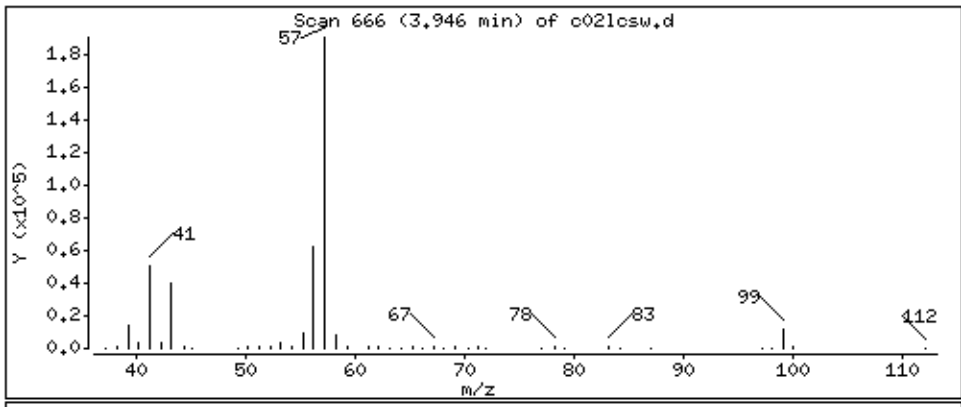
Column phase: DB-624

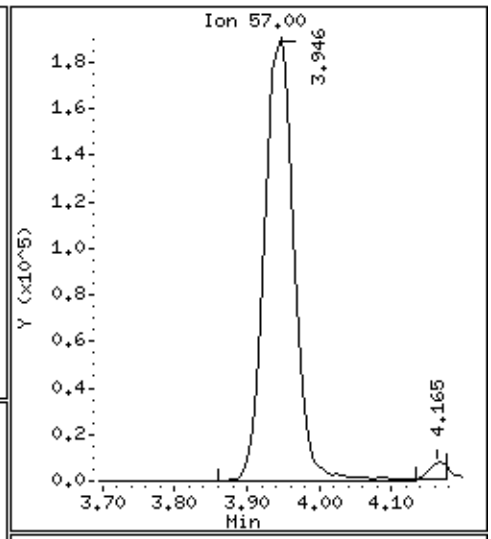
Column diameter: 0.18

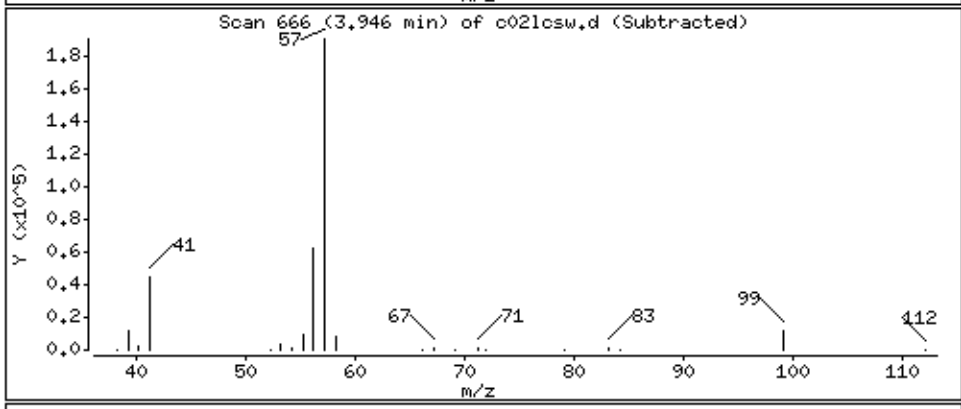
43 2,2,4-Trimethylpentane

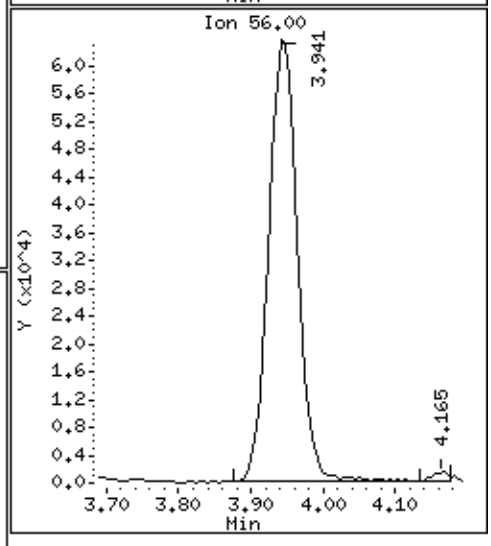
Concentration: 50.0 ppb

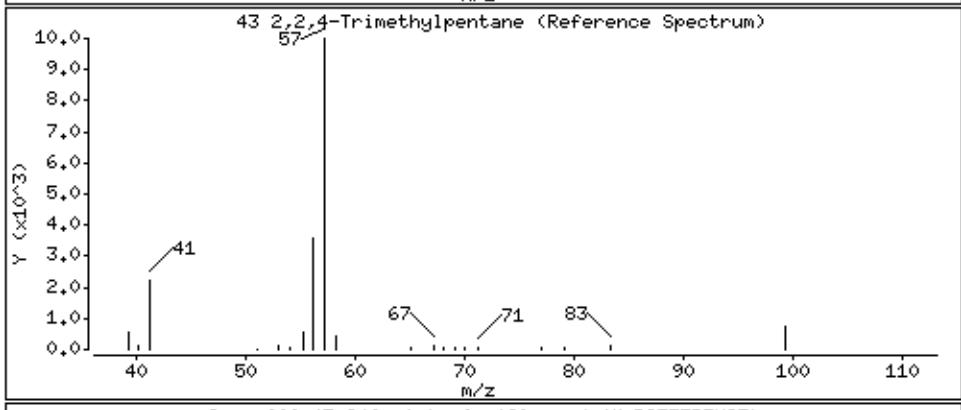
Review Code:

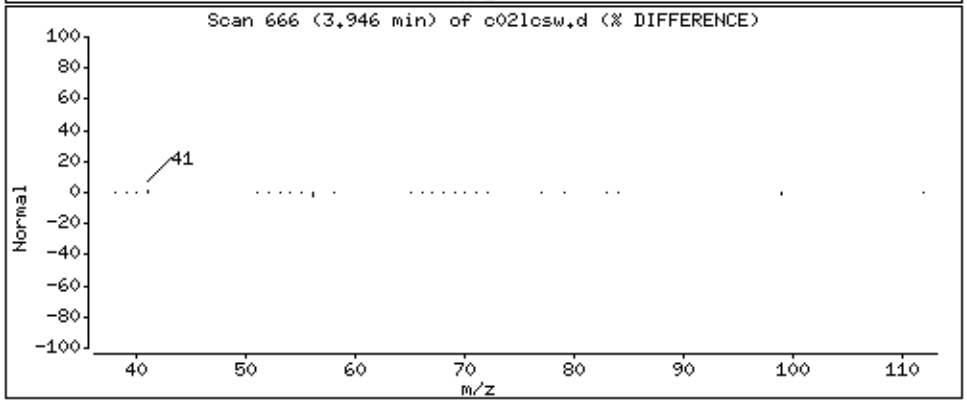












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

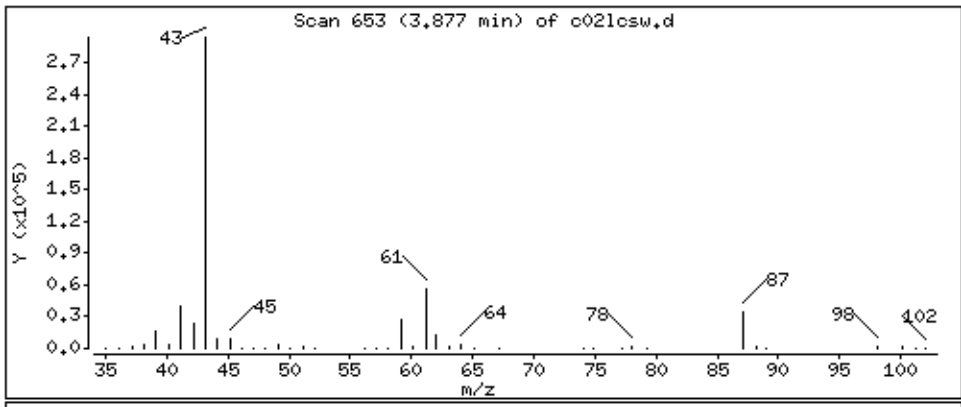
Column phase: DB-624

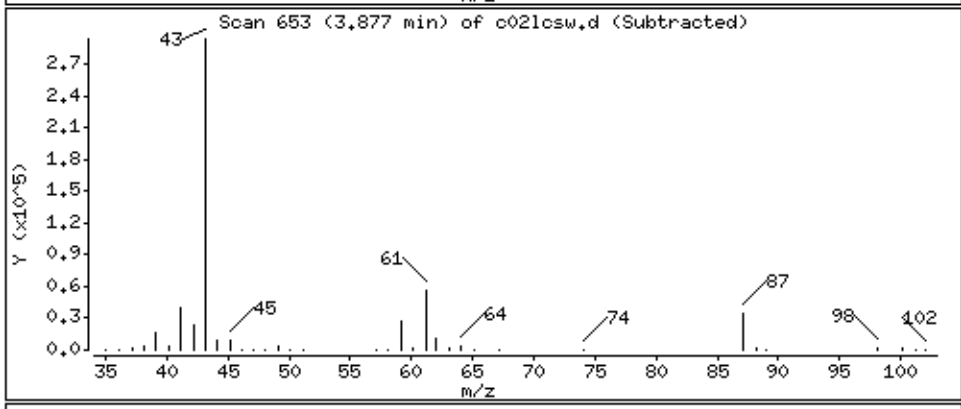
Column diameter: 0.18

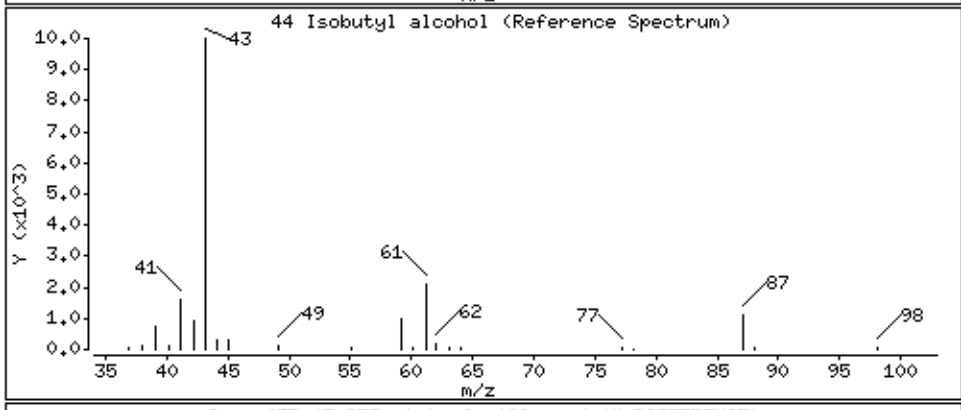
44 Isobutyl alcohol

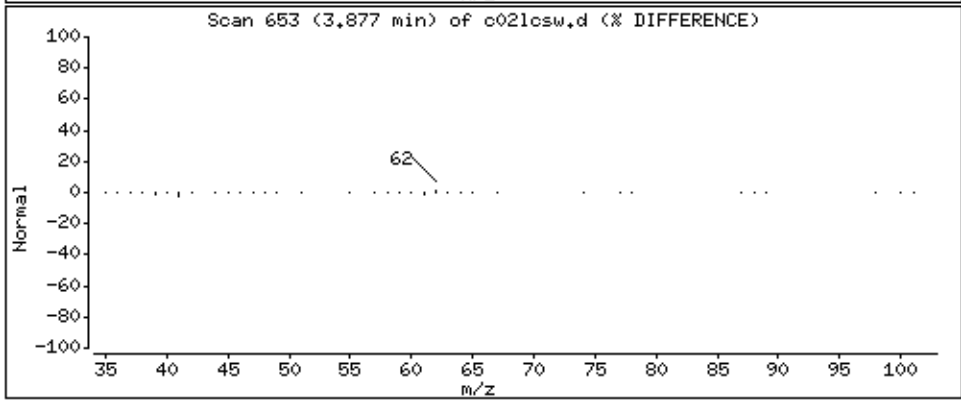
Concentration: 57.5 ppb

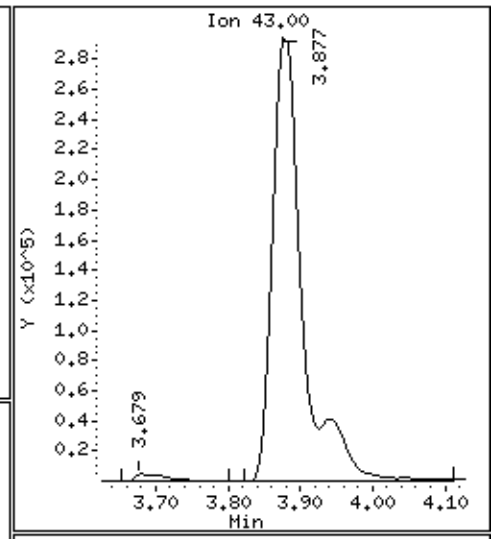
Review Code:

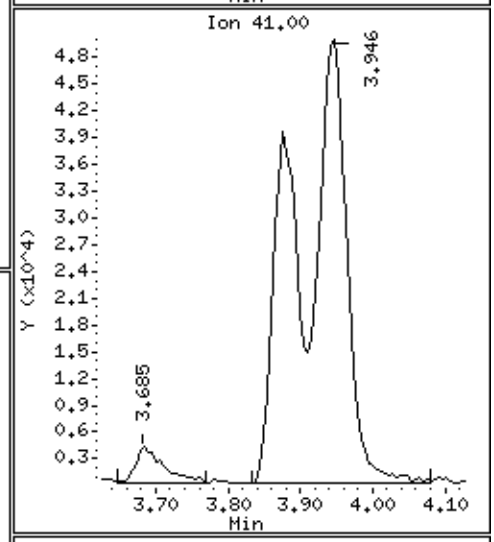


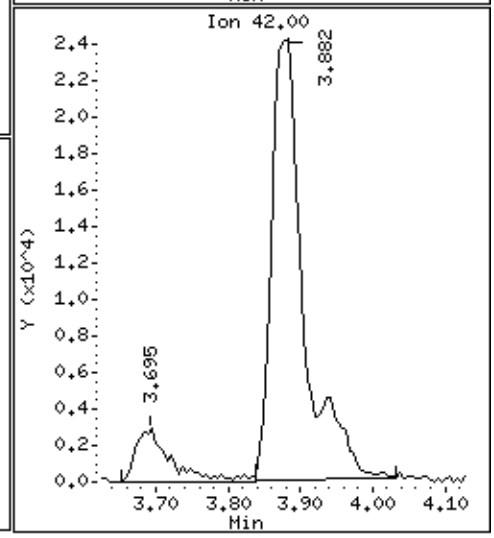












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

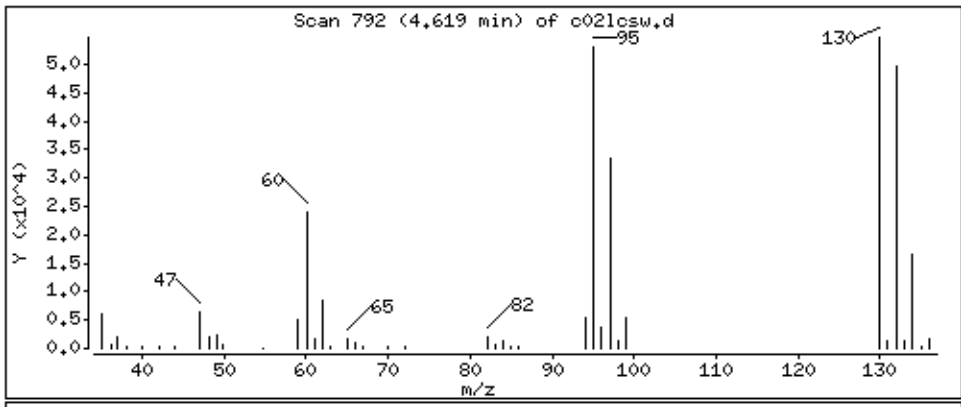
Column phase: DB-624

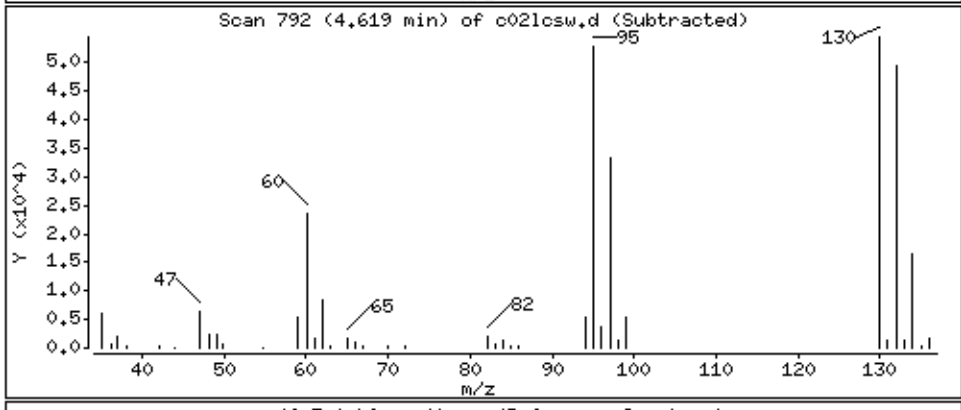
Column diameter: 0.18

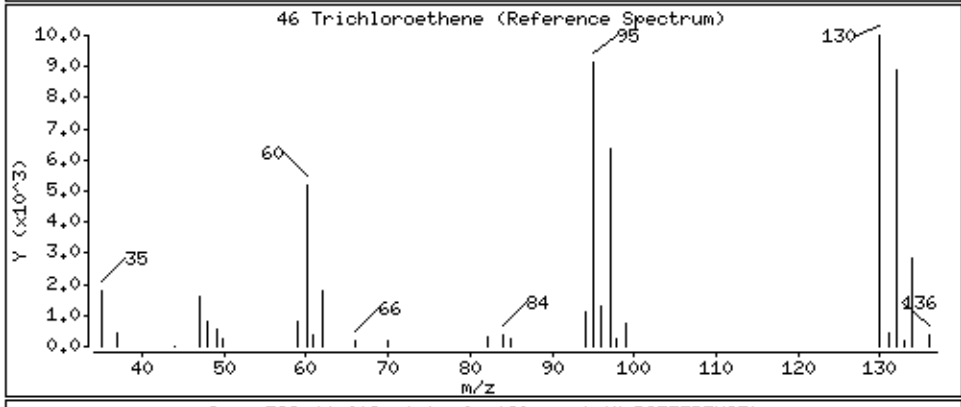
46 Trichloroethene

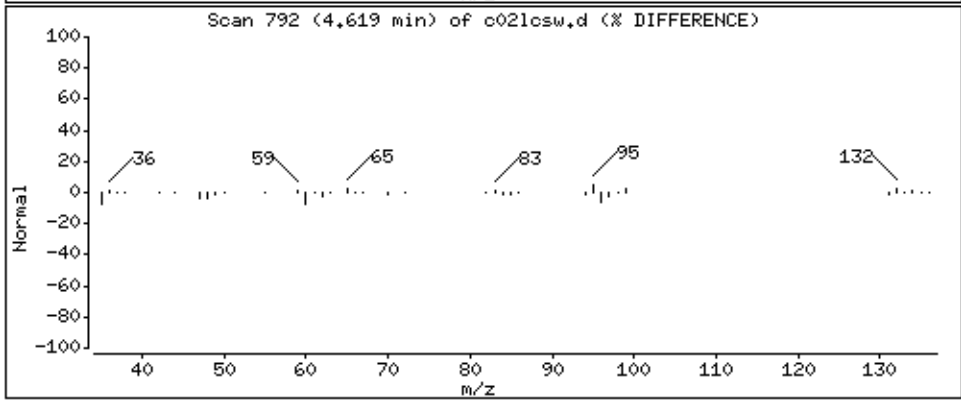
Concentration: 44.8 ppb

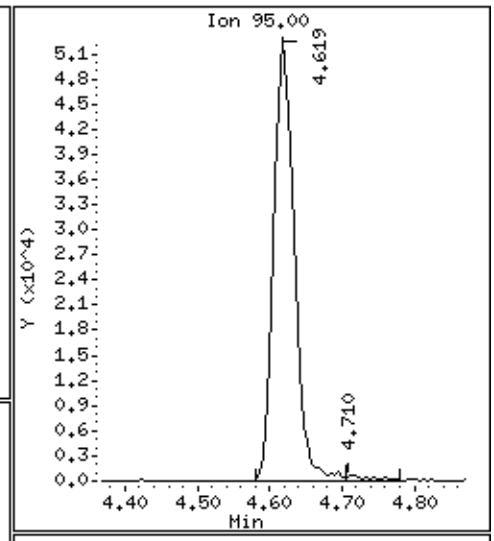
Review Code:

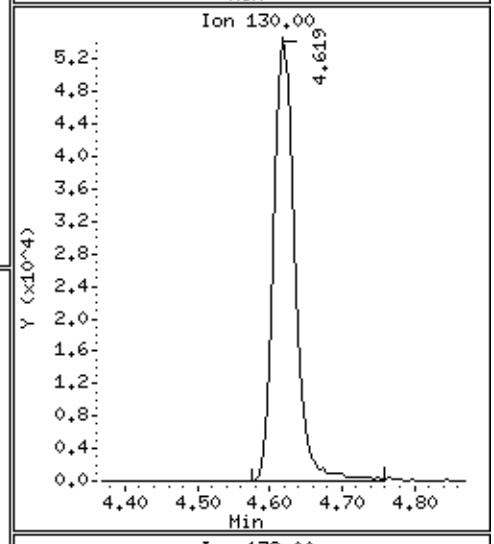


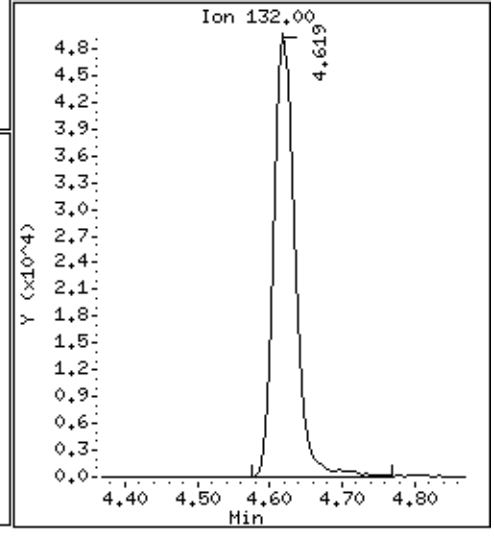












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

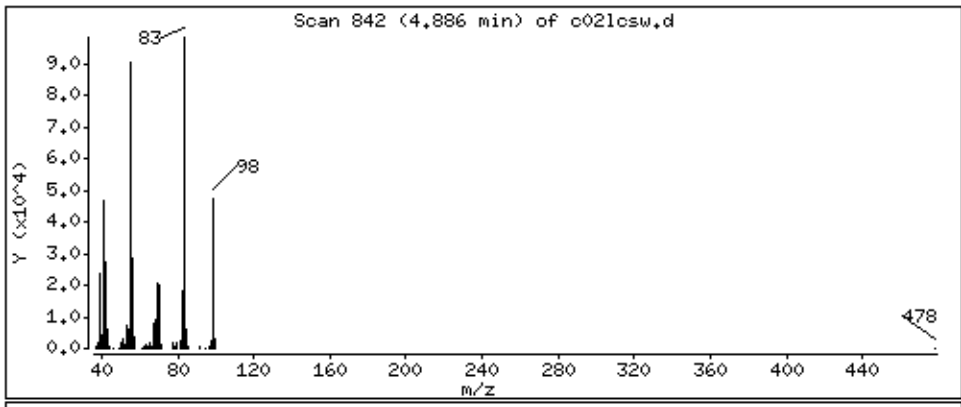
Column phase: DB-624

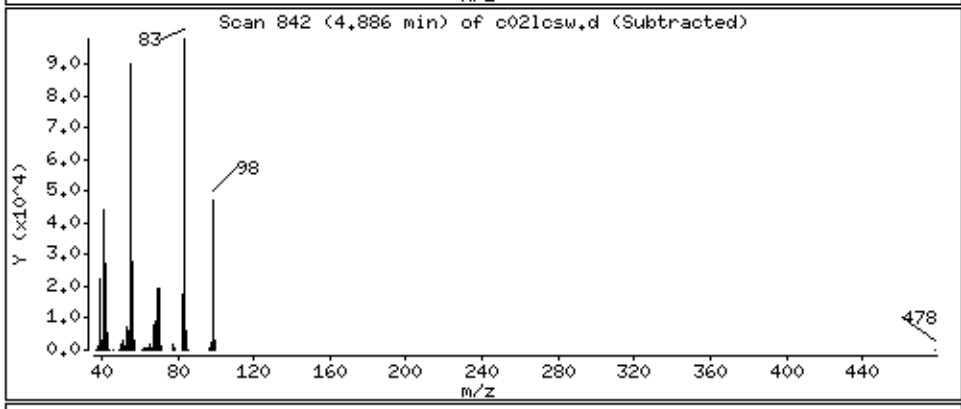
Column diameter: 0.18

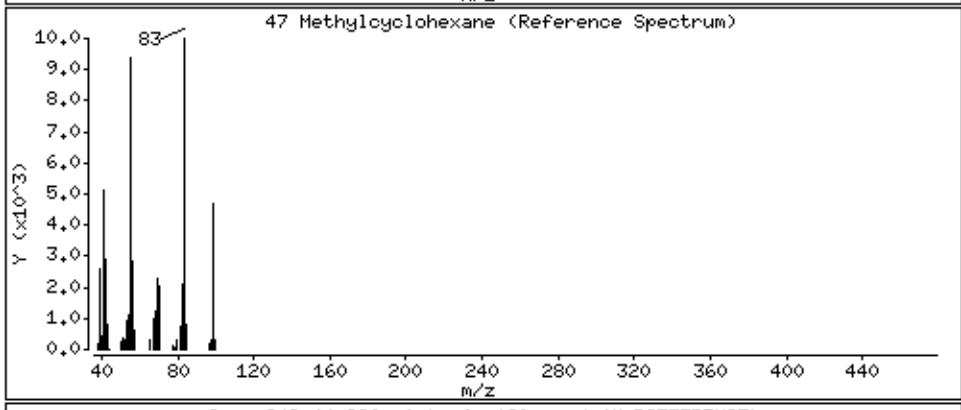
47 Methylcyclohexane

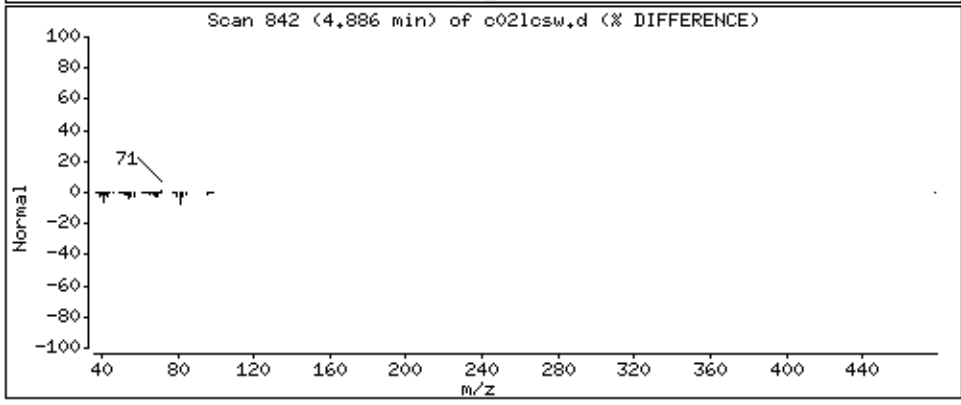
Concentration: 53.3 ppb

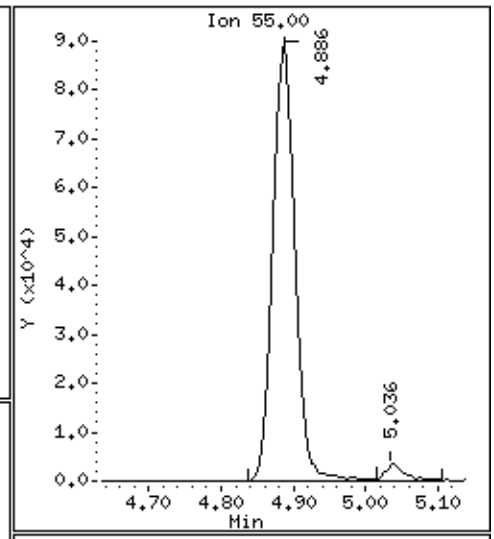
Review Code:

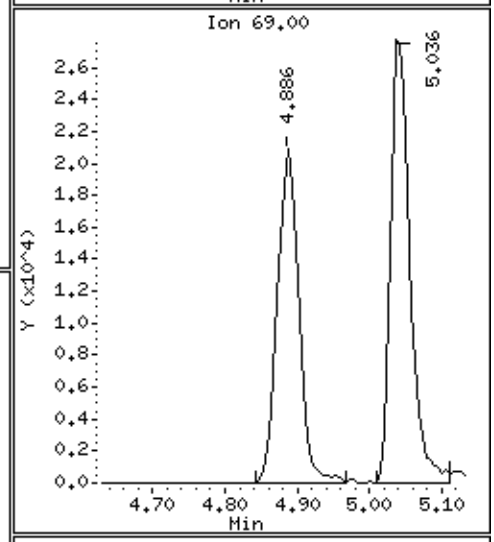


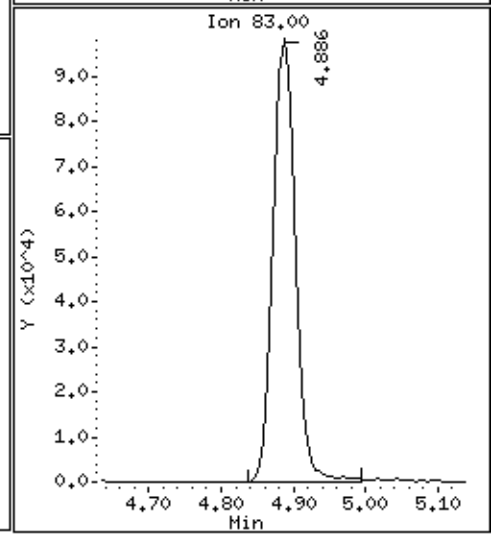












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Page 50

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

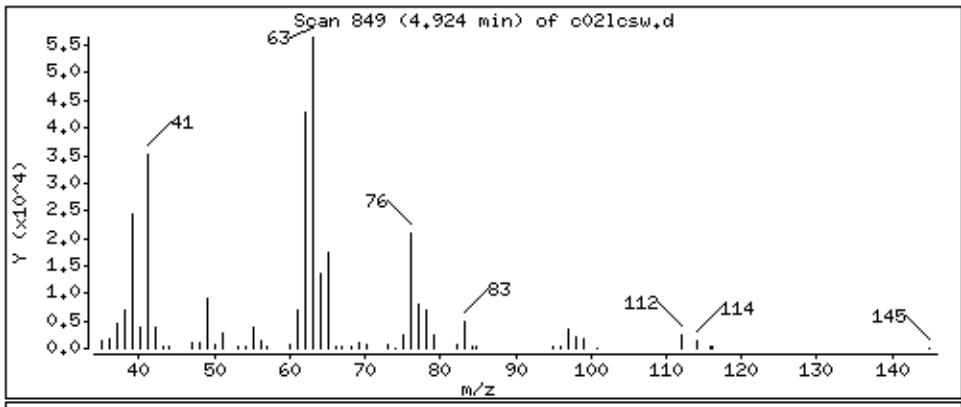
Column phase: DB-624

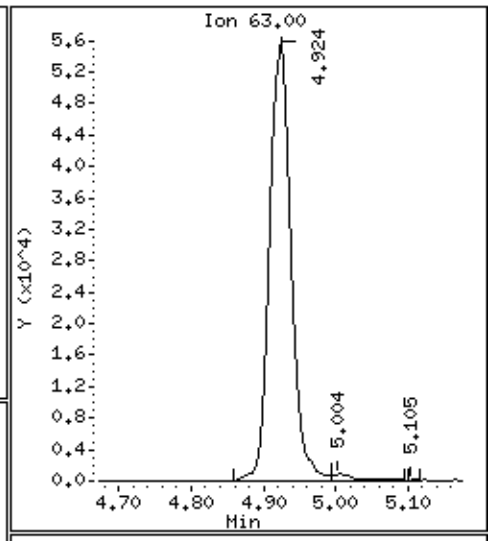
Column diameter: 0.18

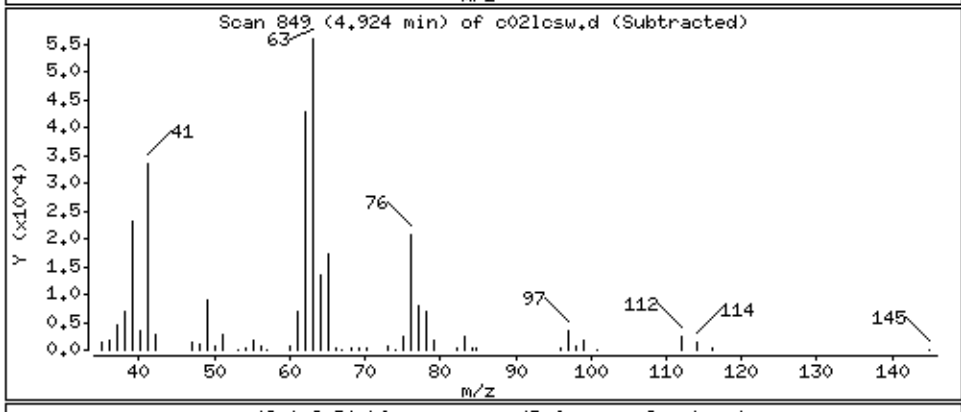
48 1,2-Dichloropropane

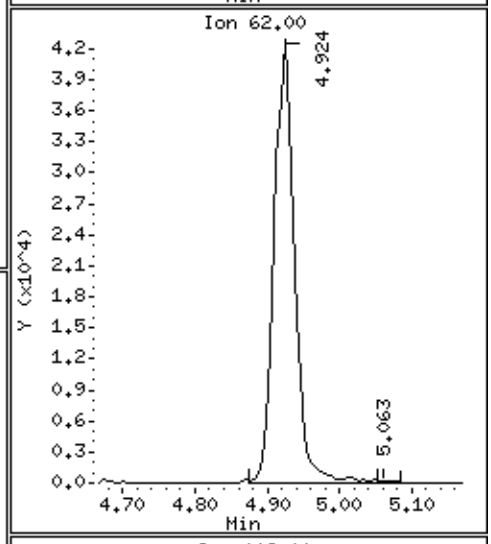
Concentration: 53.2 ppb

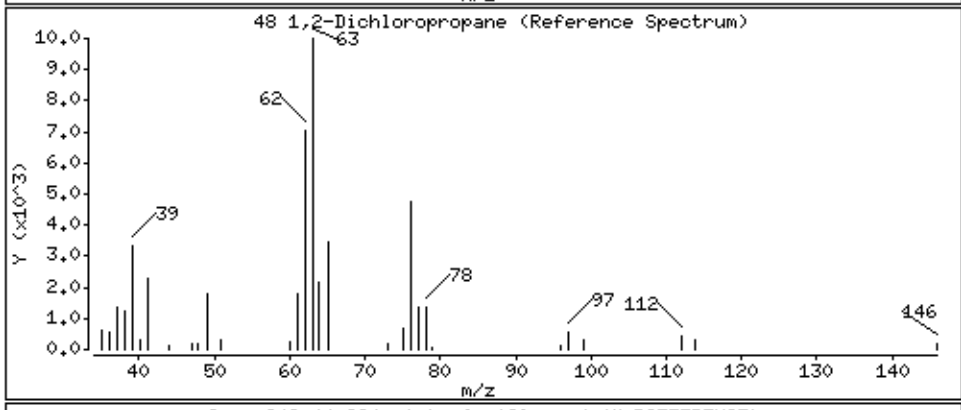
Review Code:

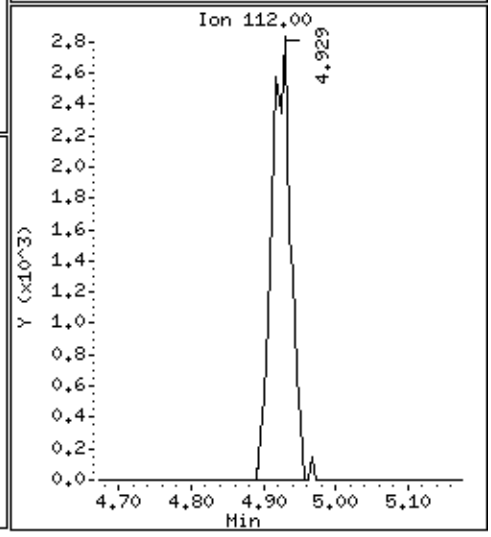


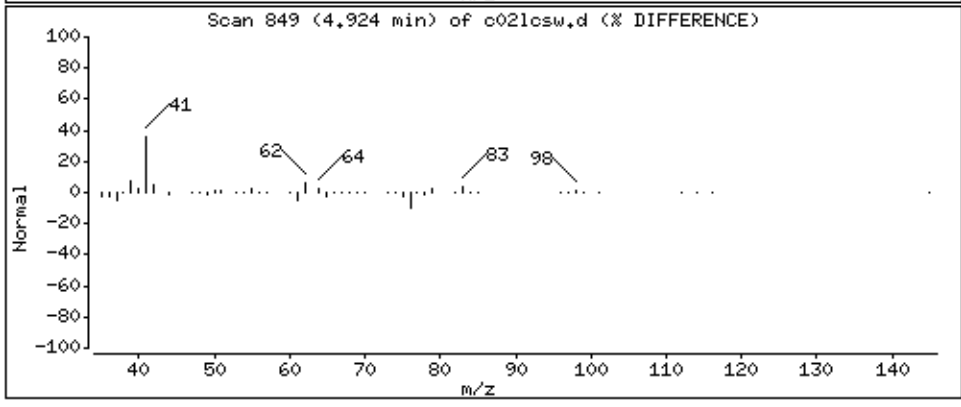












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

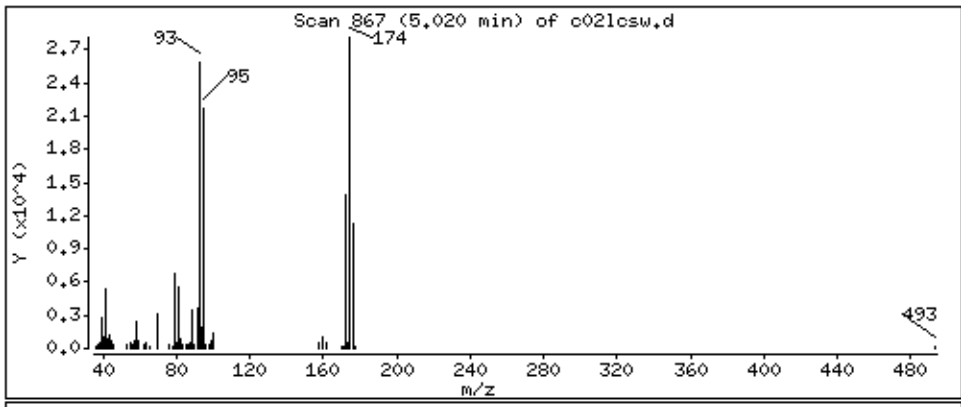
Column phase: DB-624

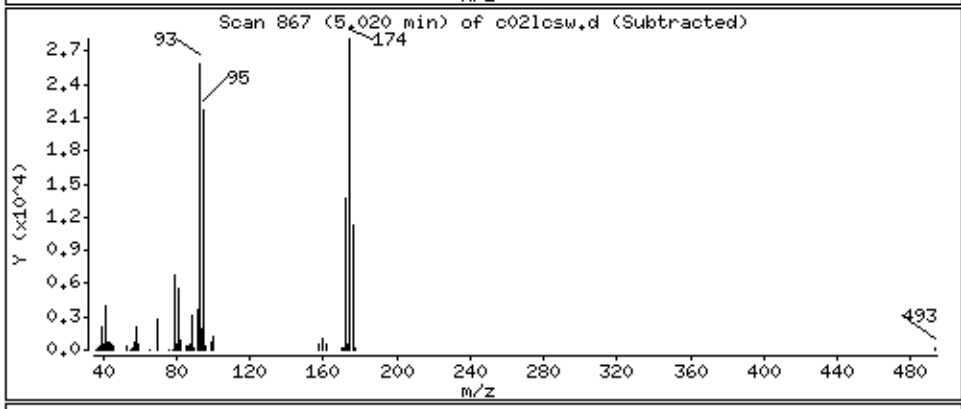
Column diameter: 0.18

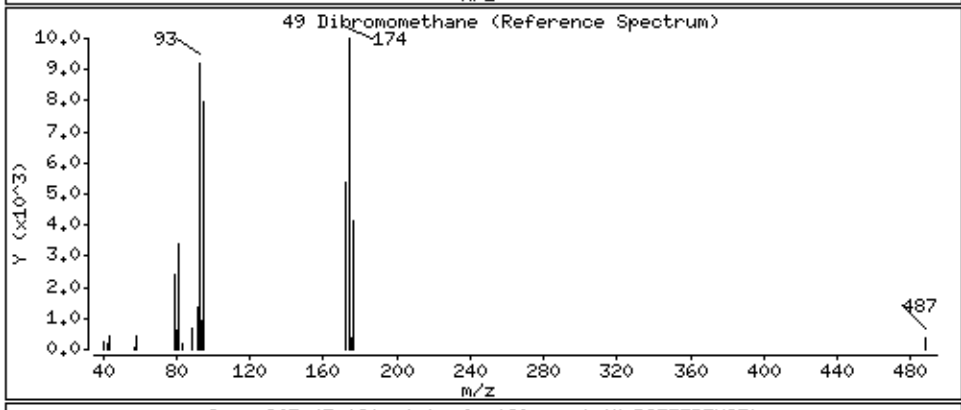
49 Dibromomethane

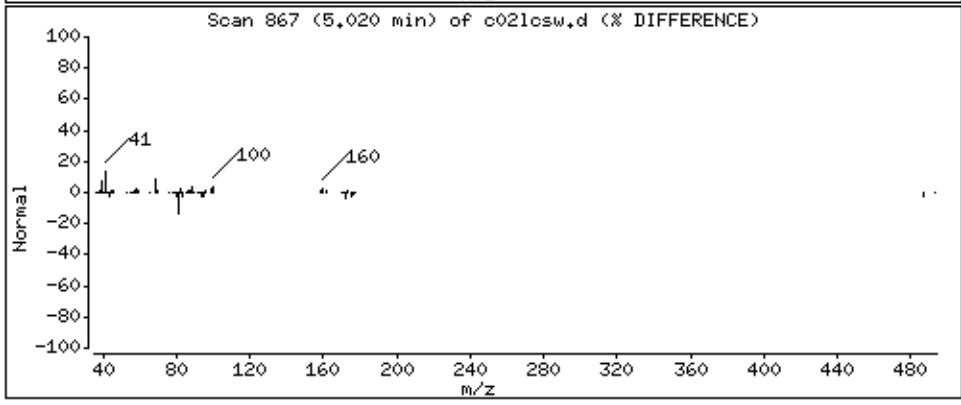
Concentration: 49.6 ppb

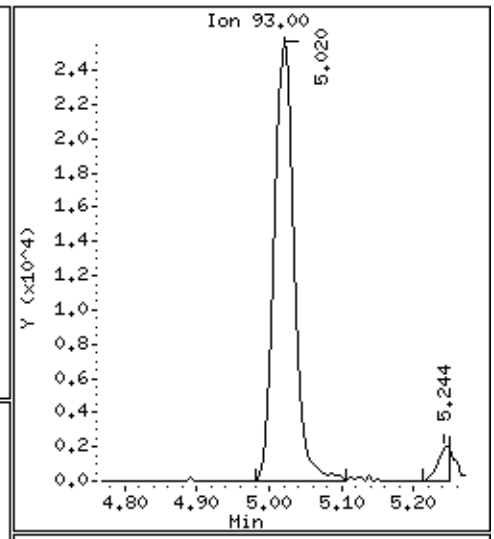
Review Code:

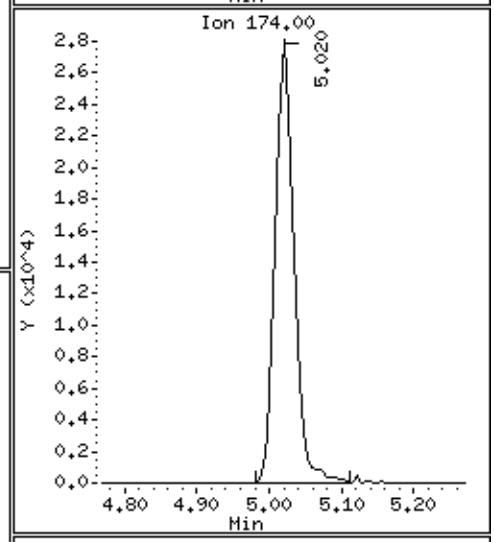


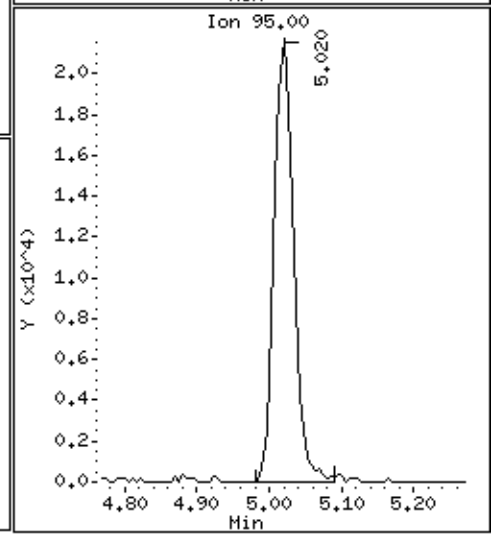












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

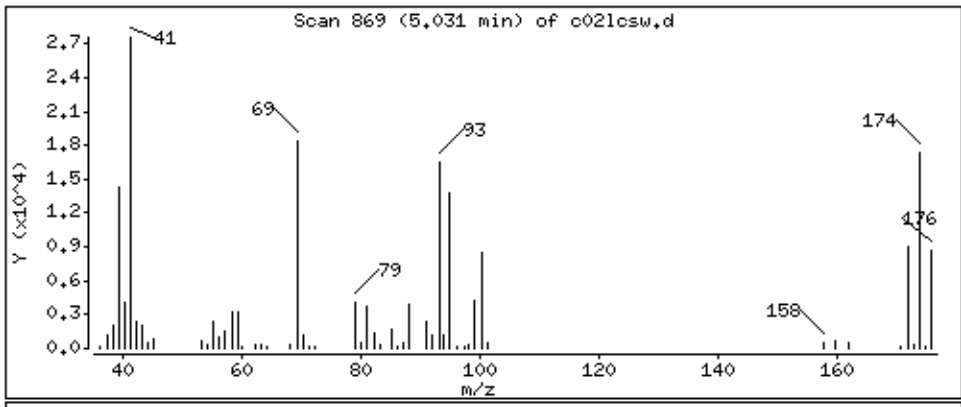
Column phase: DB-624

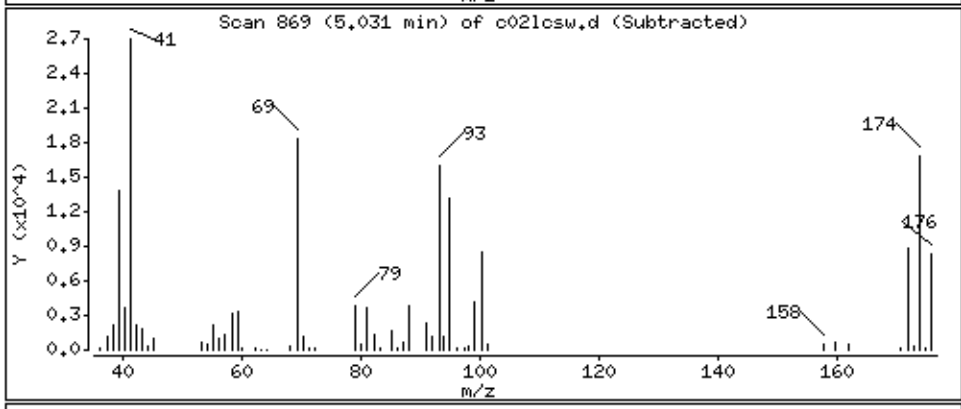
Column diameter: 0.18

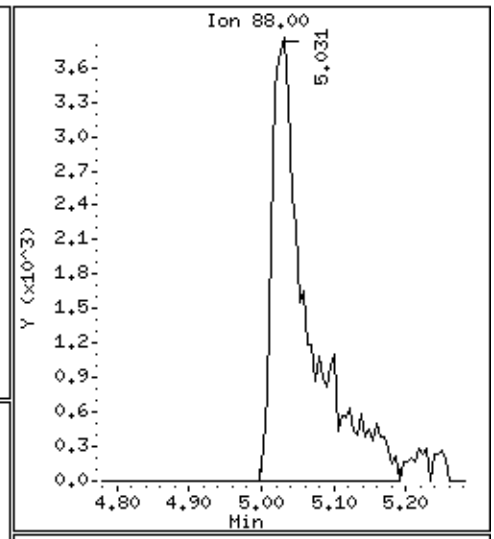
50 1,4-Dioxane

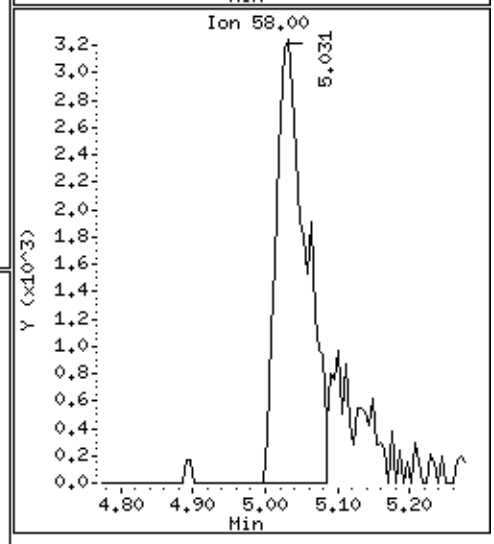
Concentration: 1030 ppb

Review Code:









Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

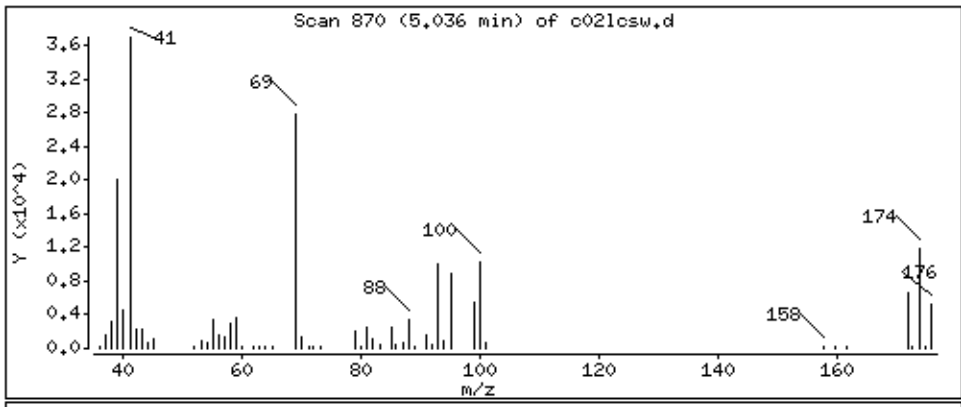
Column phase: DB-624

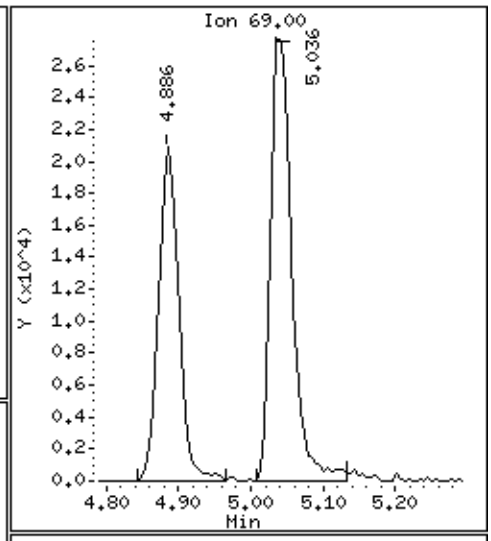
Column diameter: 0.18

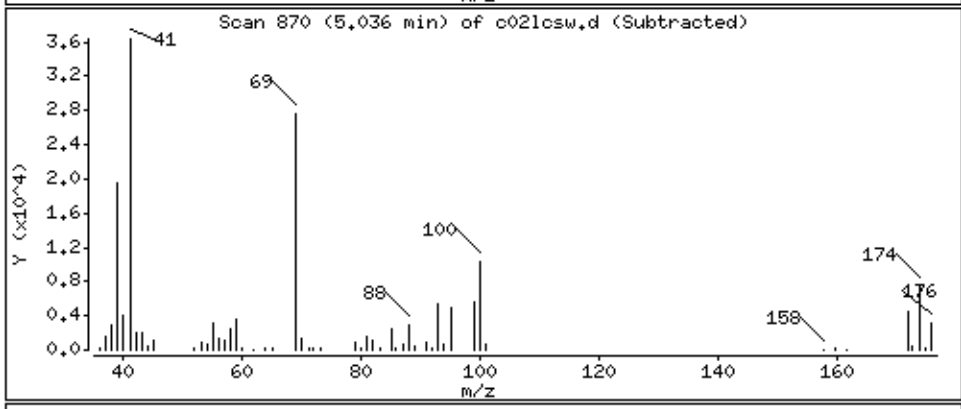
51 Methyl methacrylate

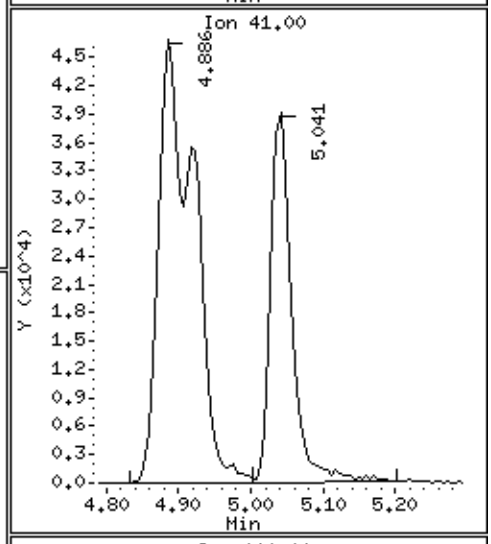
Concentration: 58.7 ppb

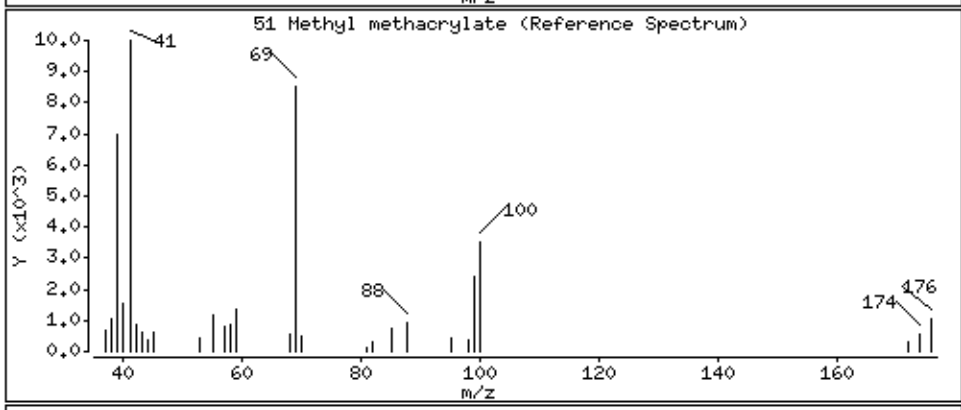
Review Code:

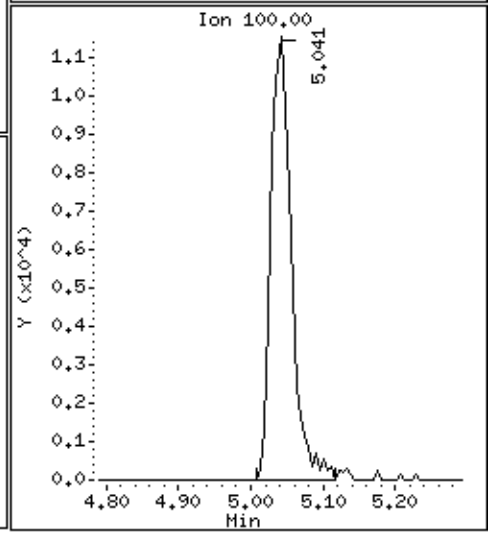


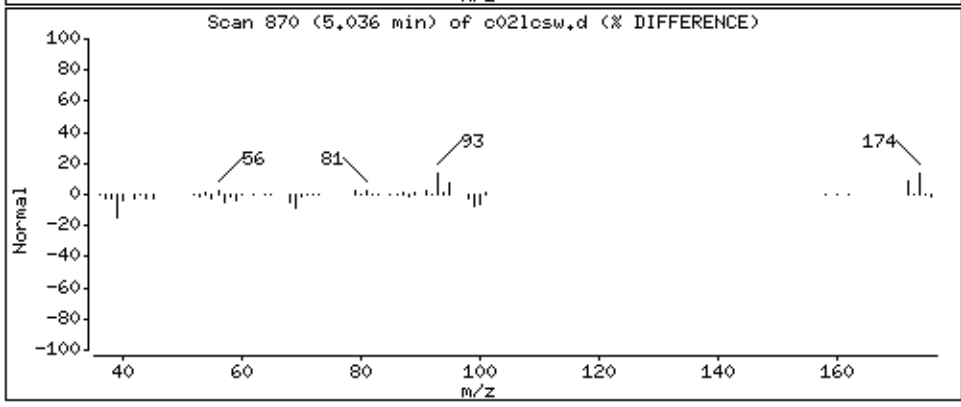












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

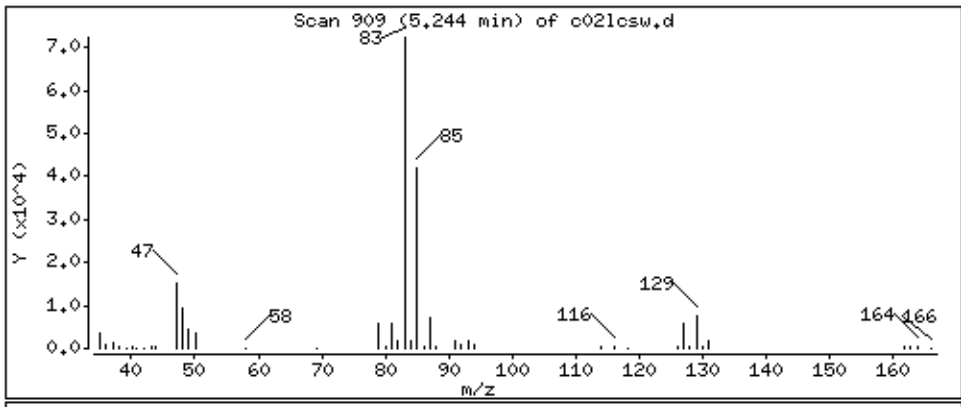
Column phase: DB-624

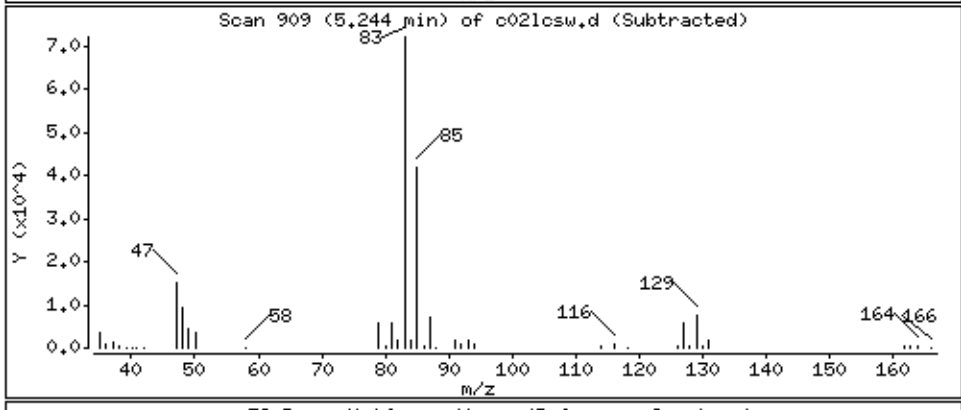
Column diameter: 0.18

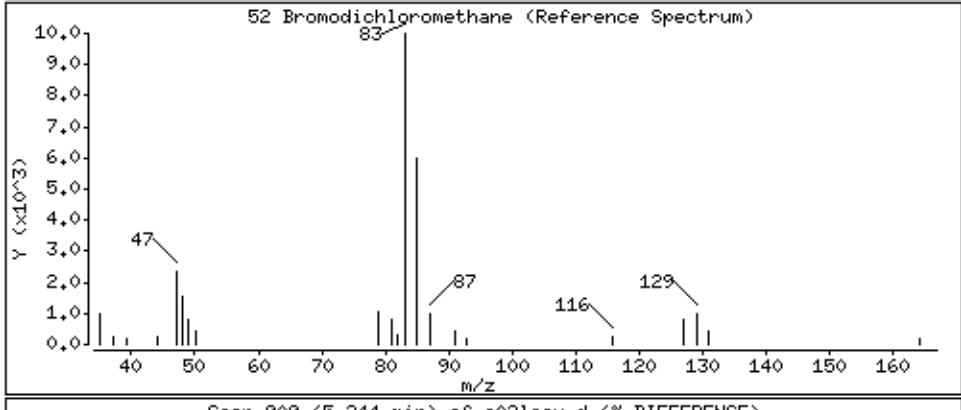
52 Bromodichloromethane

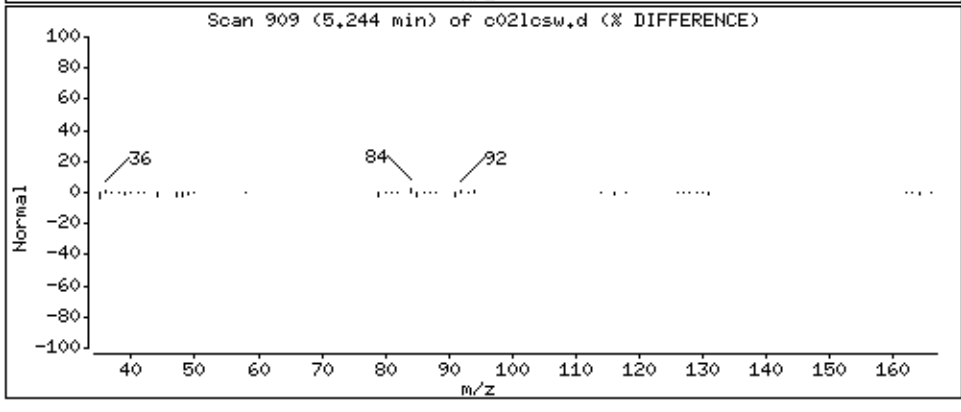
Concentration: 53.1 ppb

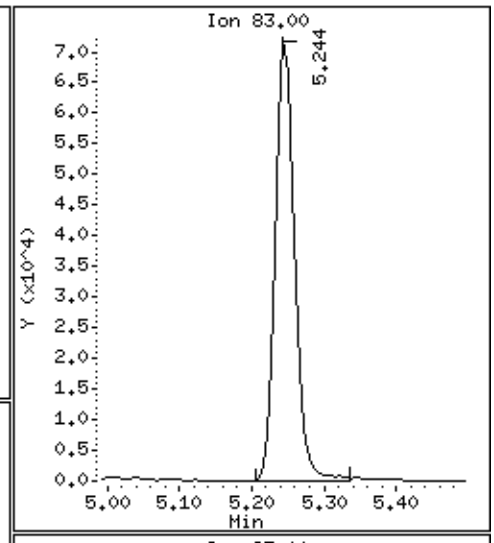
Review Code:

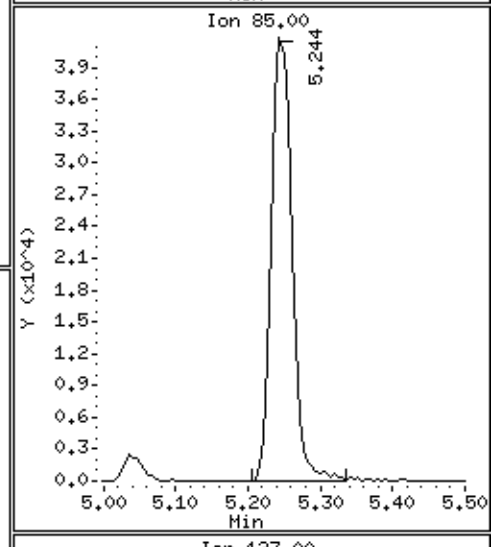


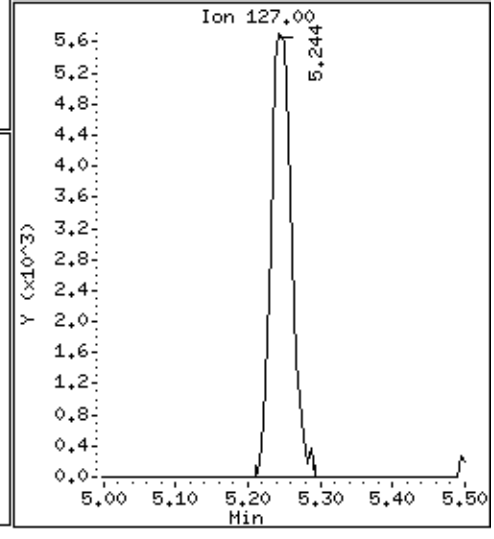












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

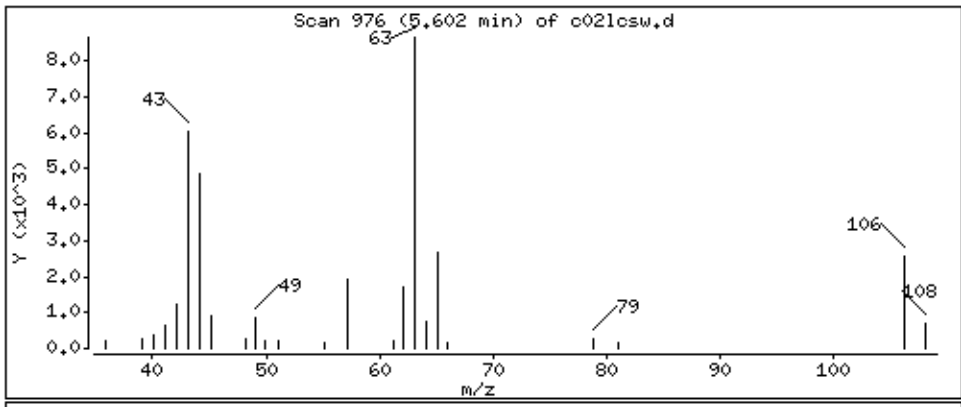
Column phase: DB-624

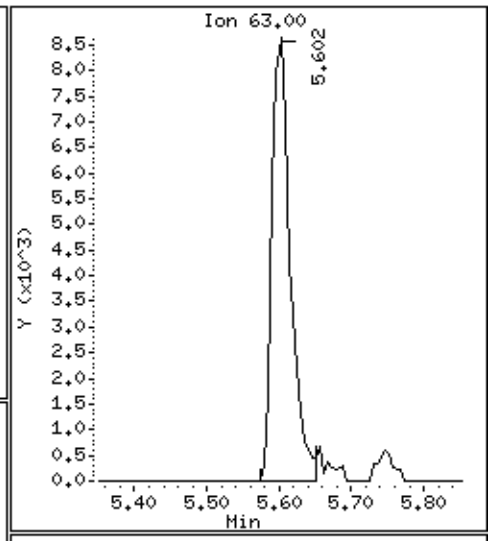
Column diameter: 0.18

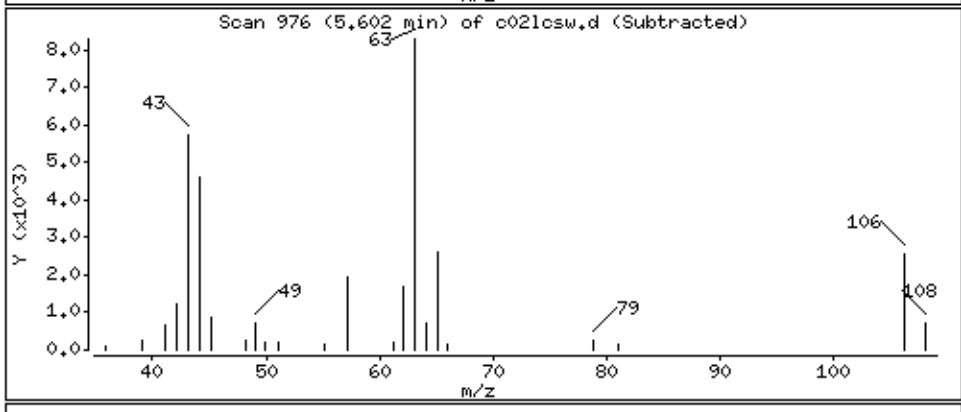
53 2-Chloroethyl vinyl ether

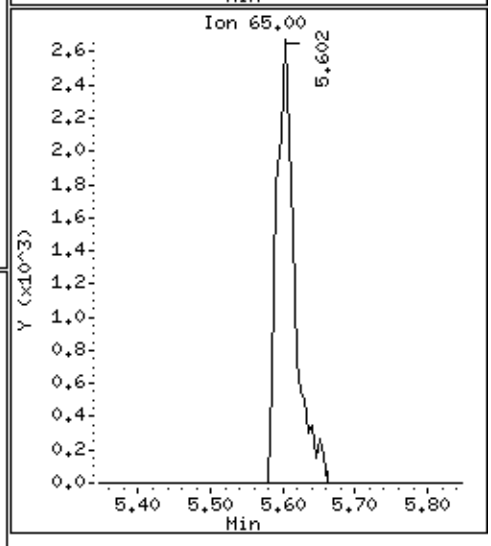
Concentration: 169 ppb

Review Code:









Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

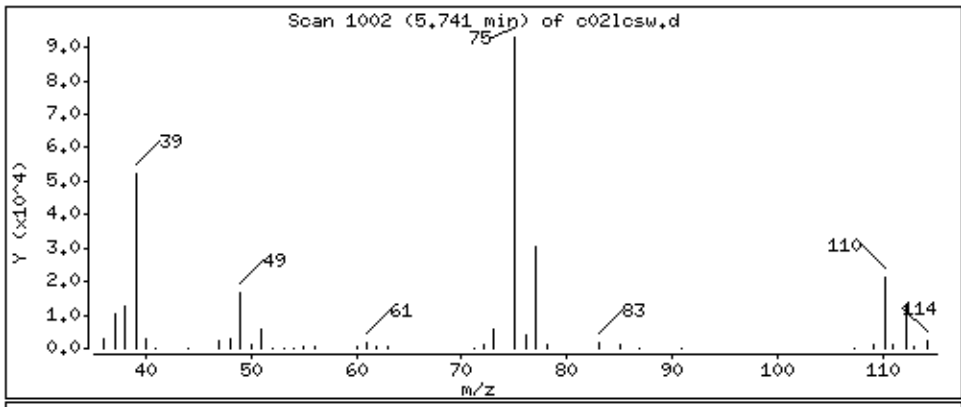
Column phase: DB-624

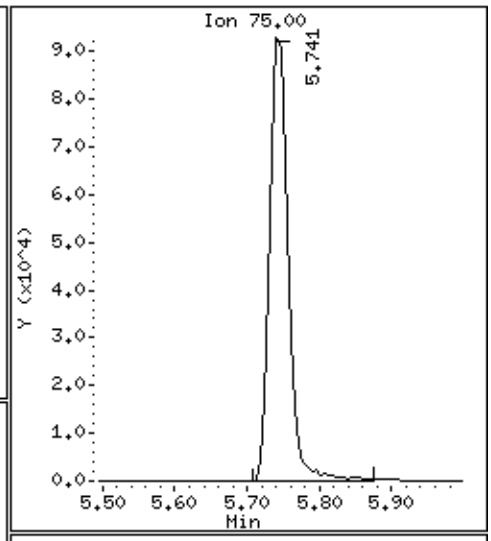
Column diameter: 0.18

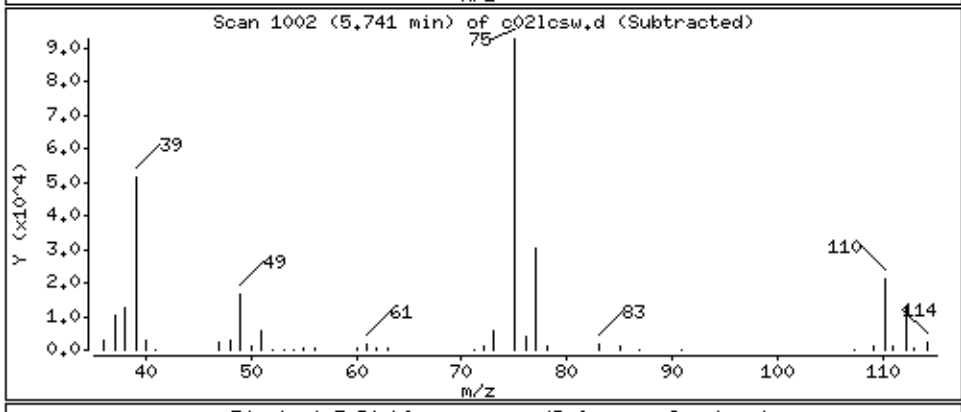
54 cis-1,3-Dichloropropene

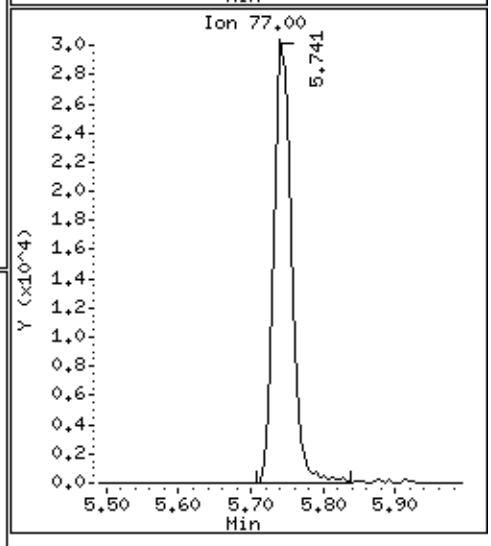
Concentration: 50.1 ppb

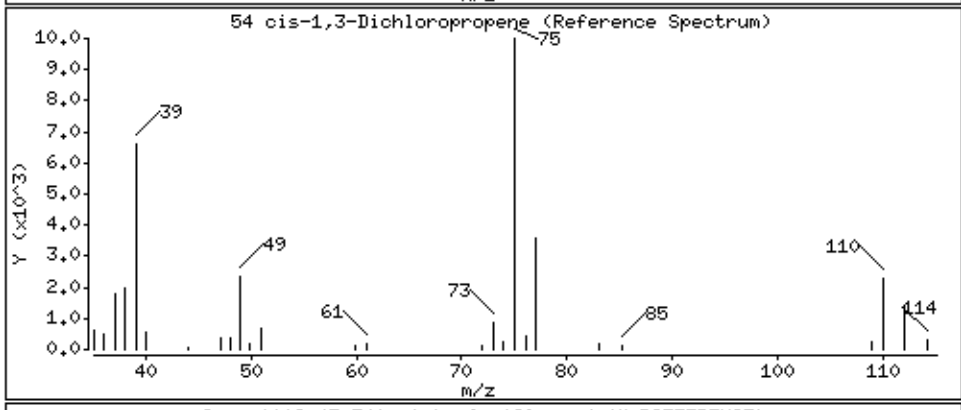
Review Code:

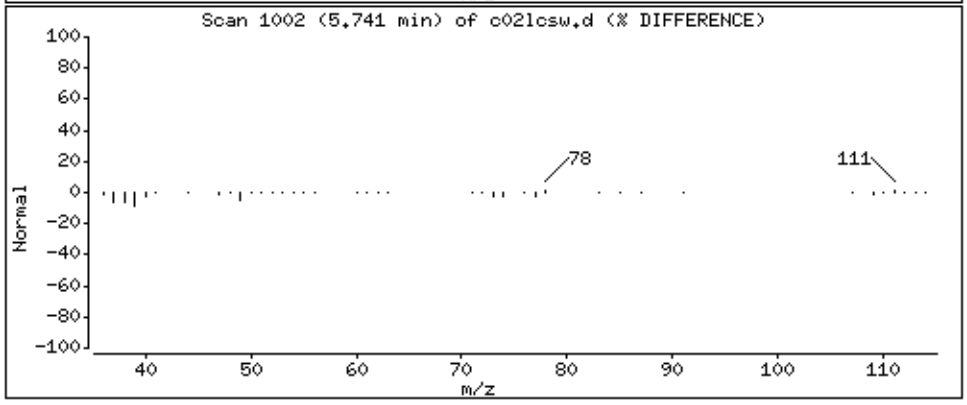












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

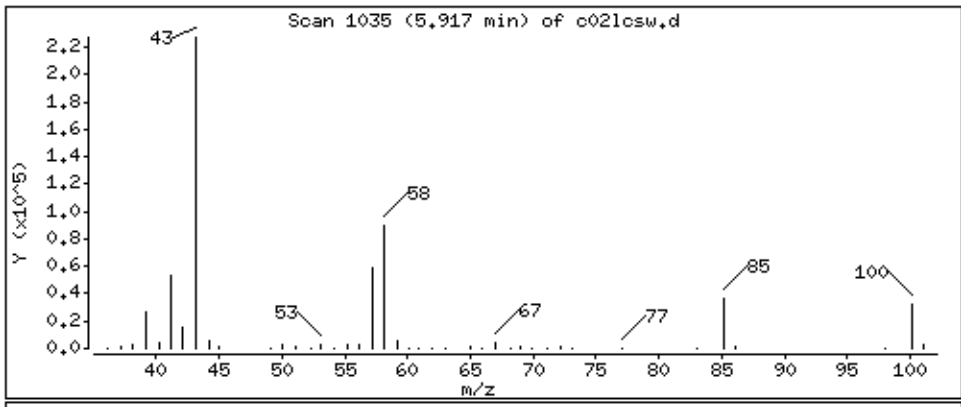
Column phase: DB-624

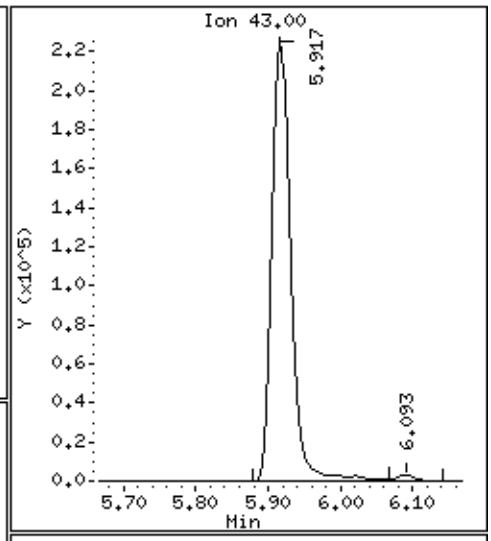
Column diameter: 0.18

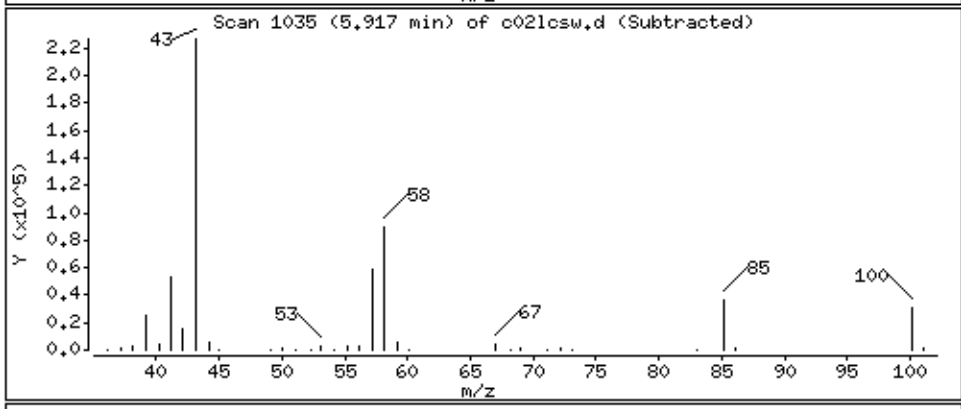
55 4-Methyl-2-Pentanone

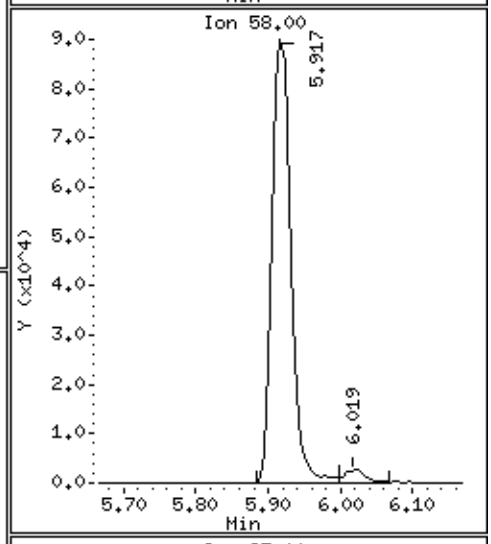
Concentration: 270 ppb

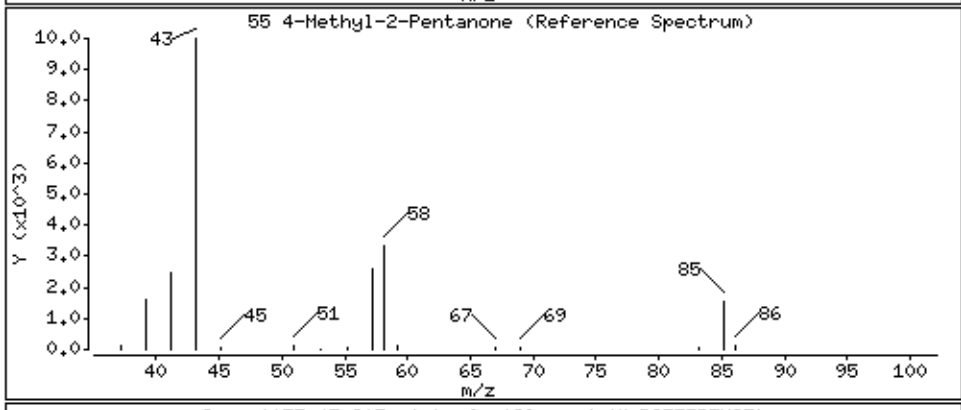
Review Code:

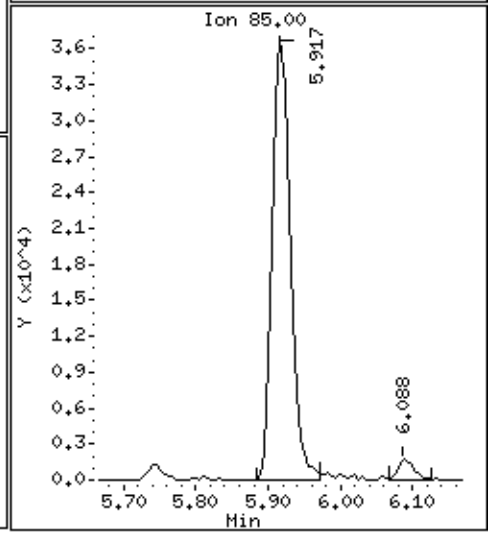


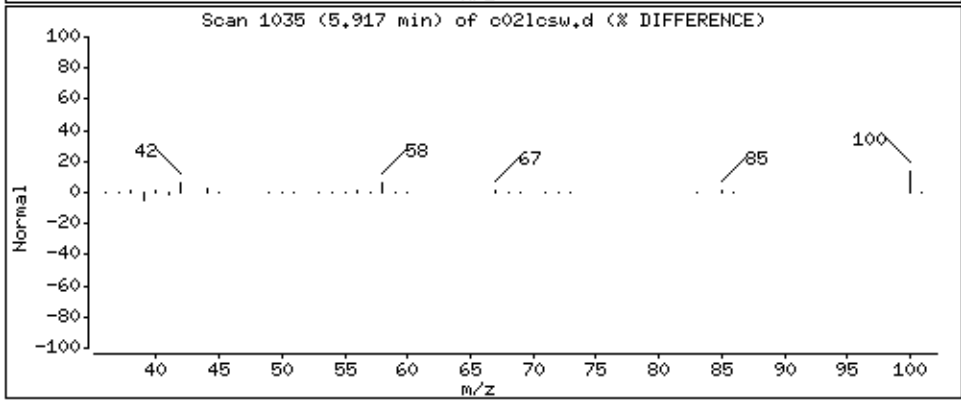












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

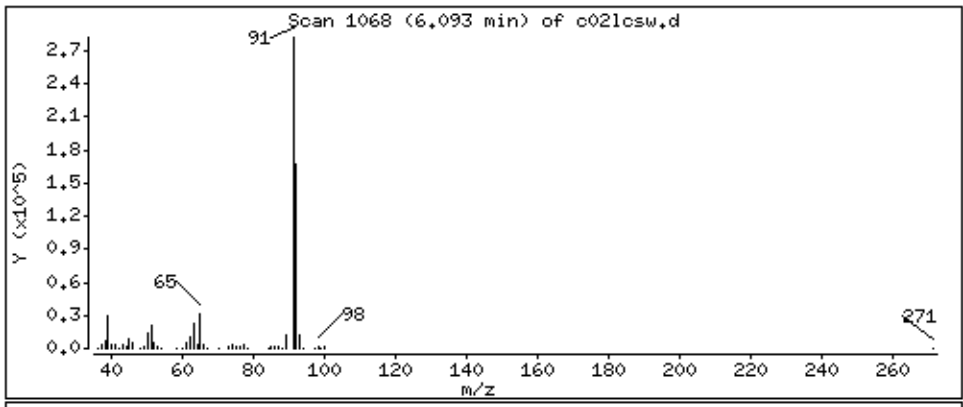
Column phase: DB-624

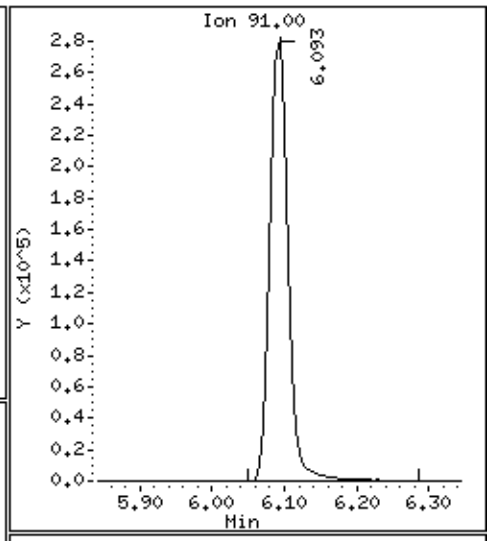
Column diameter: 0.18

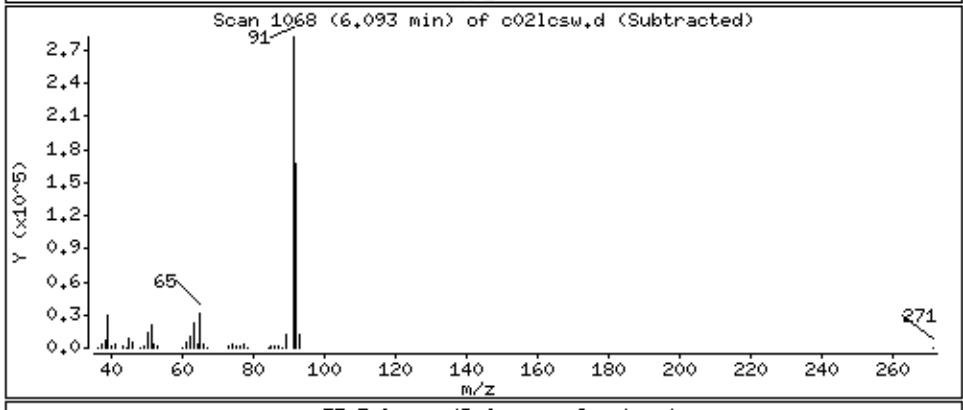
57 Toluene

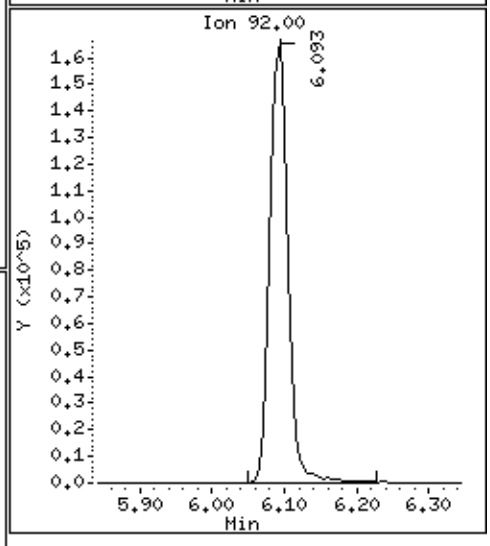
Concentration: 45.2 ppb

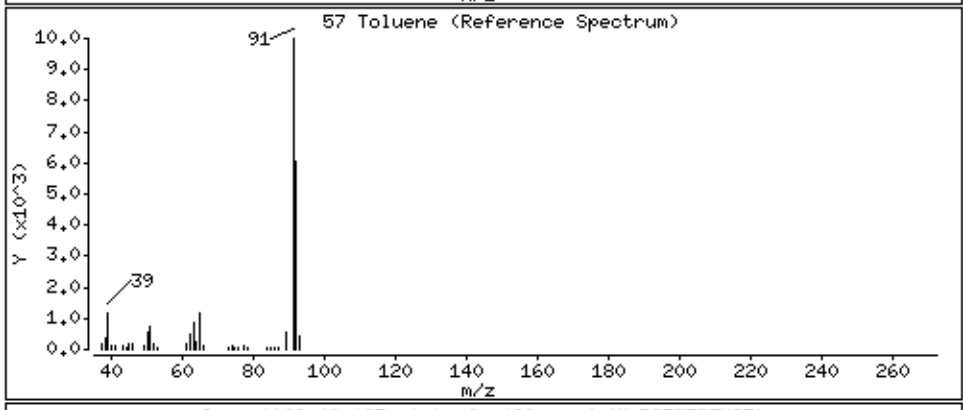
Review Code:

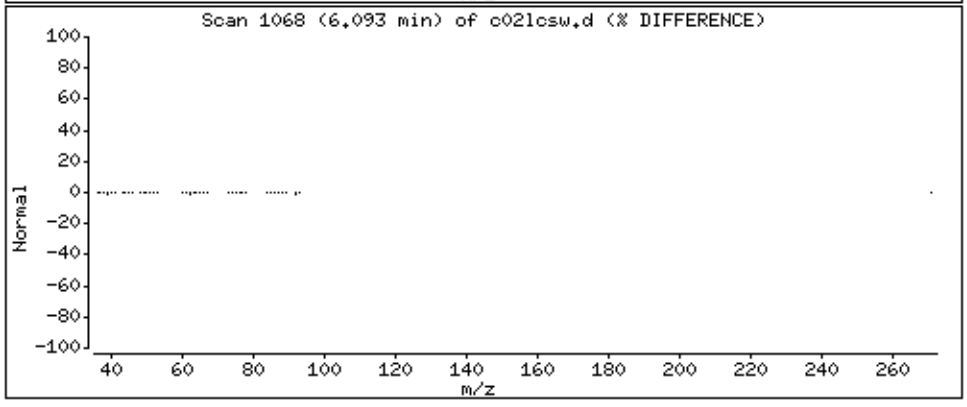












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

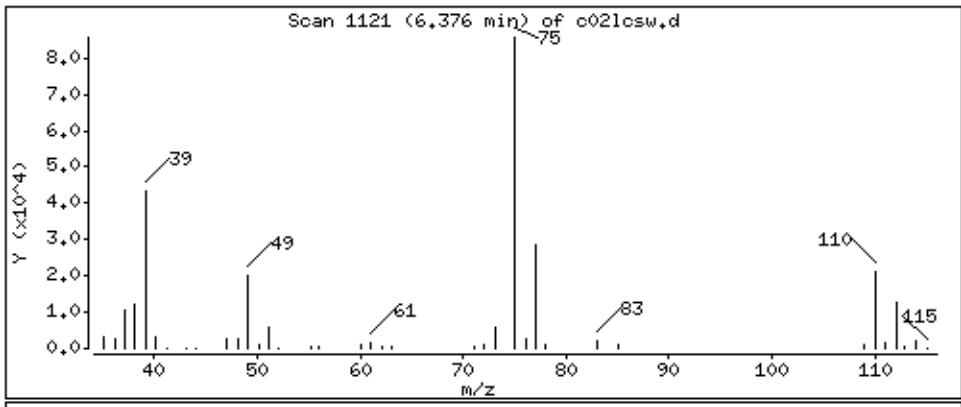
Column phase: DB-624

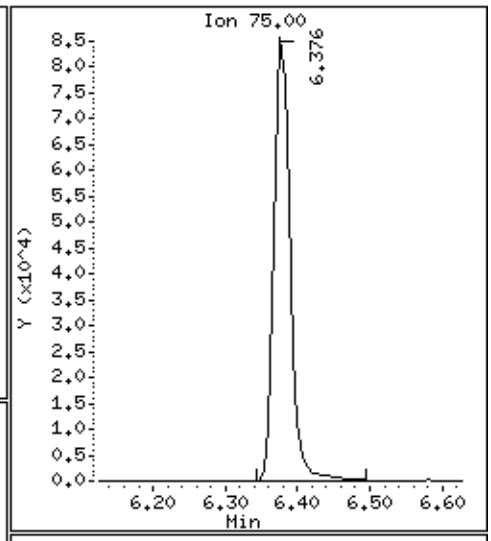
Column diameter: 0.18

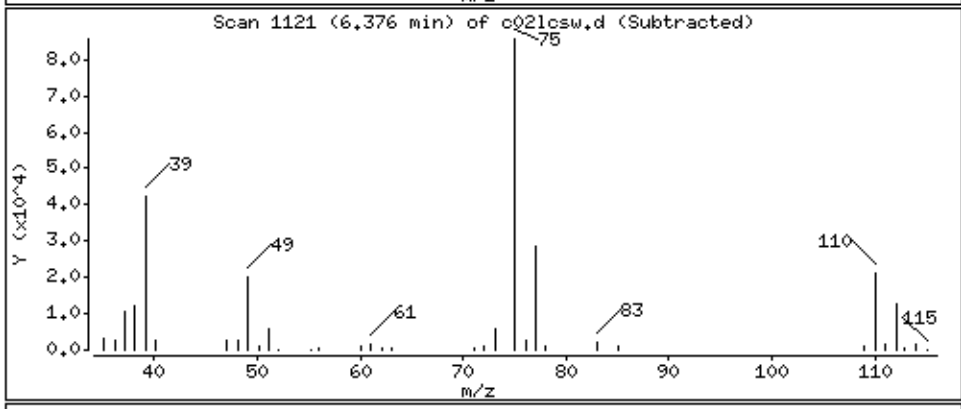
58 trans-1,3-Dichloropropene

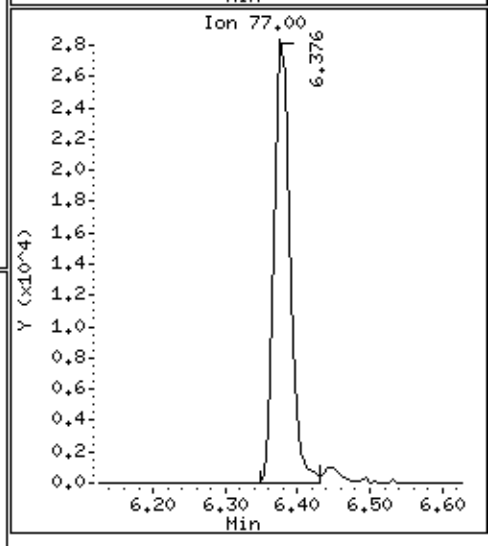
Concentration: 49.4 ppb

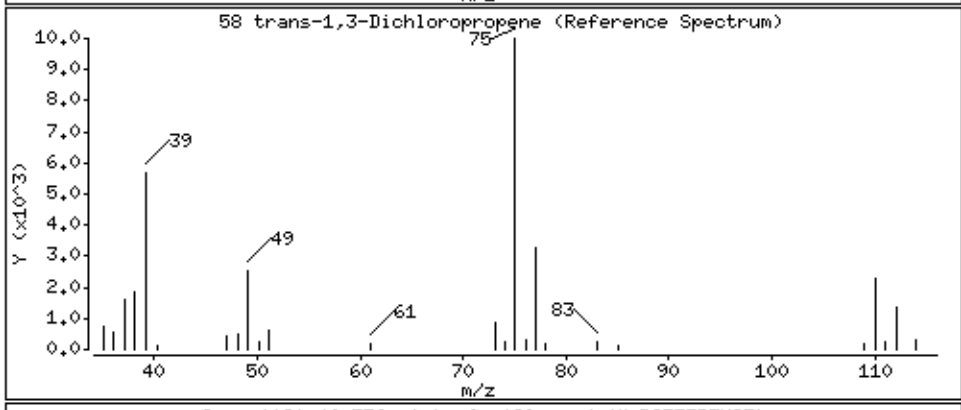
Review Code:

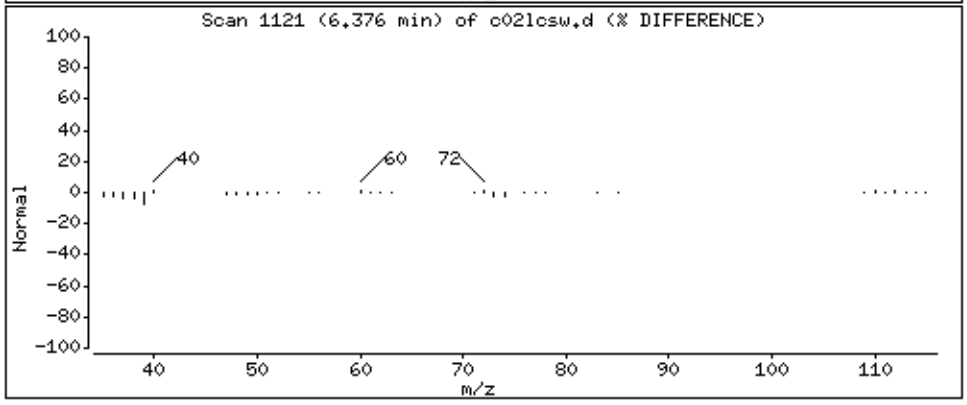












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

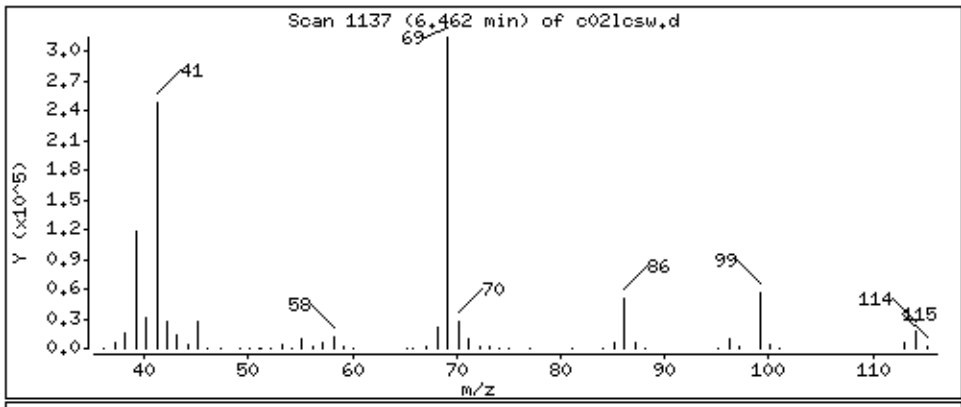
Column phase: DB-624

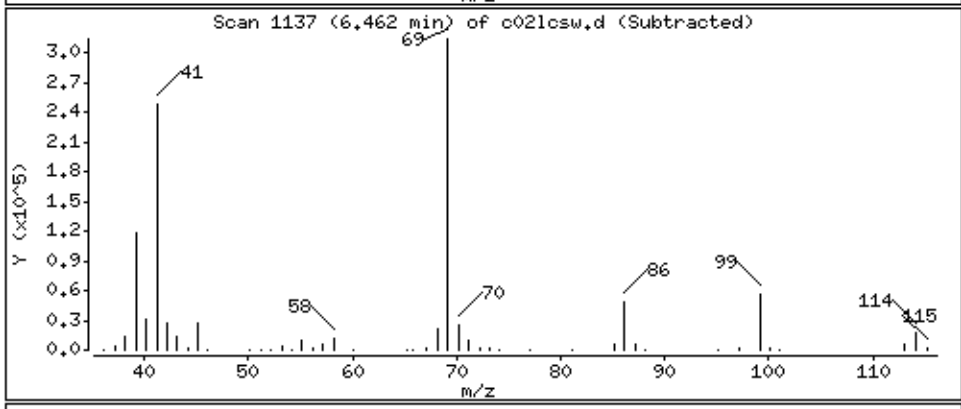
Column diameter: 0.18

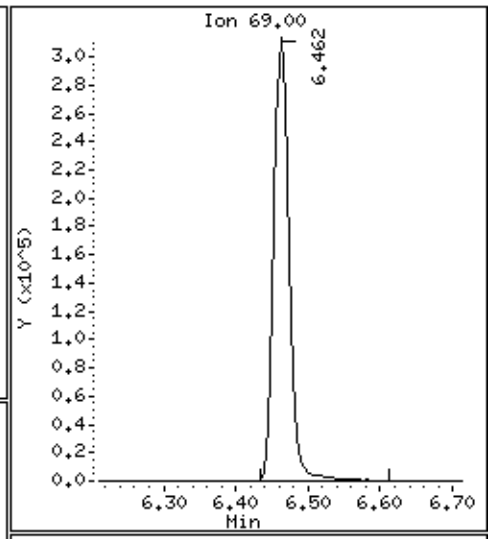
59 Ethyl Methacrylate

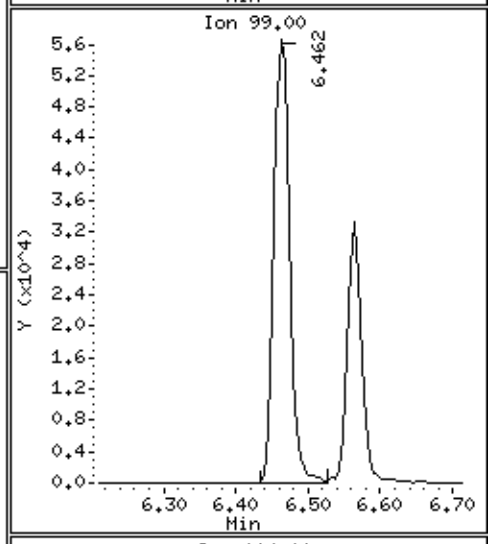
Concentration: 229 ppb

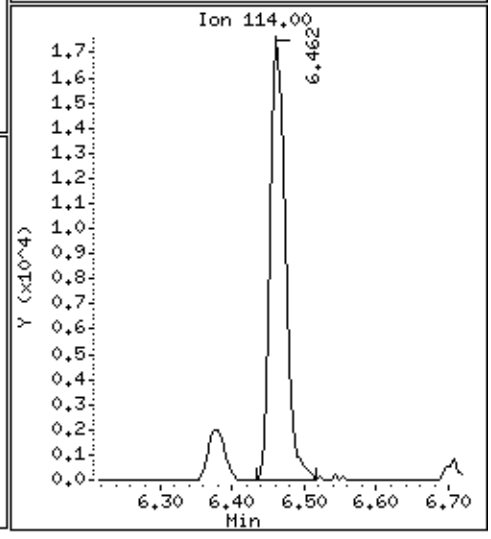
Review Code:











Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

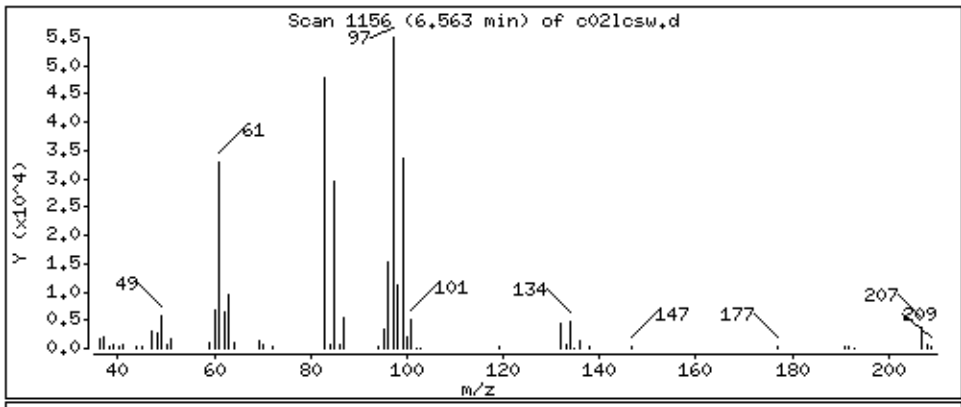
Column phase: DB-624

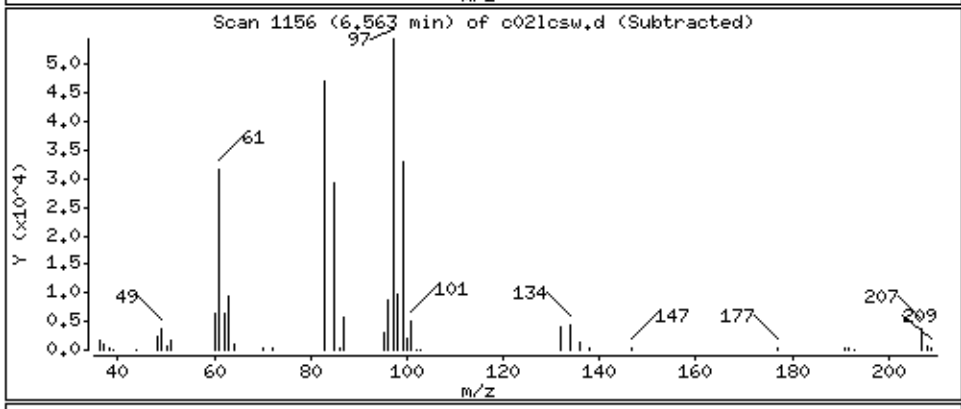
Column diameter: 0.18

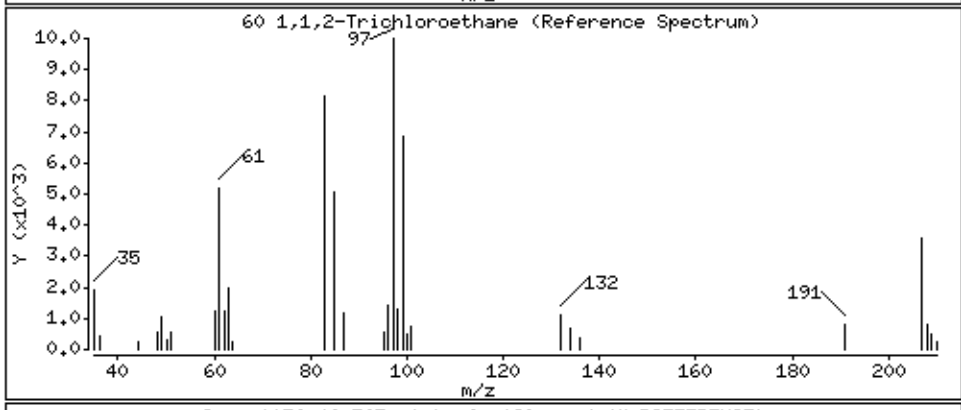
60 1,1,2-Trichloroethane

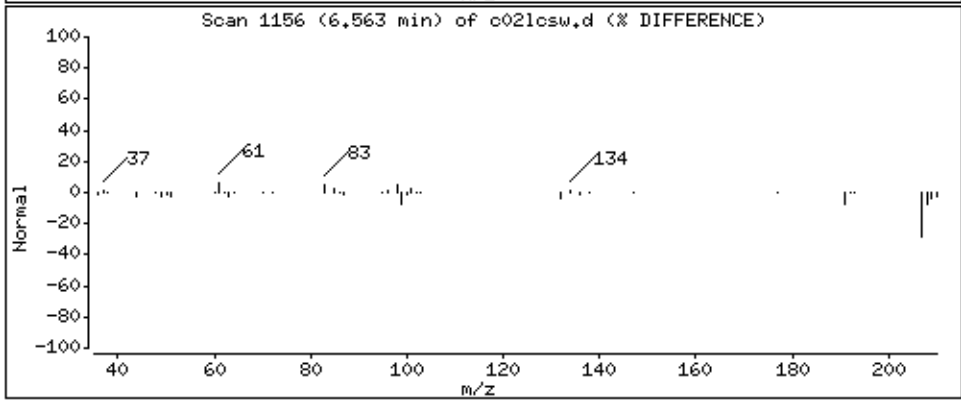
Concentration: 50.8 ppb

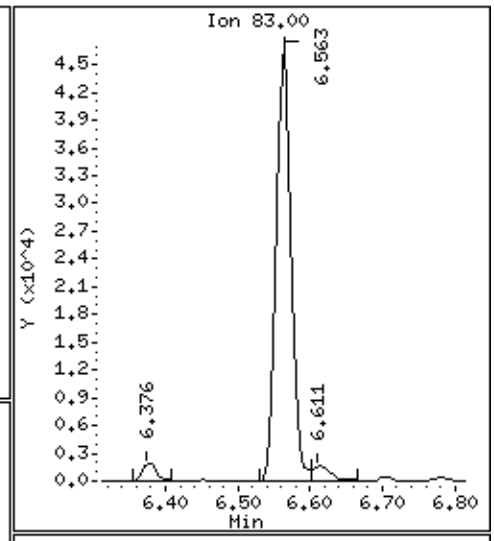
Review Code:

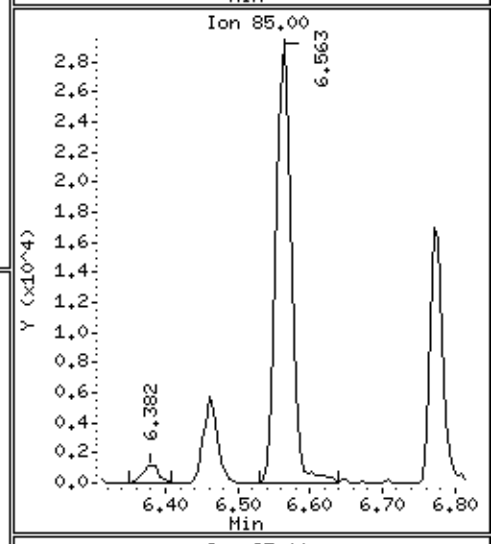


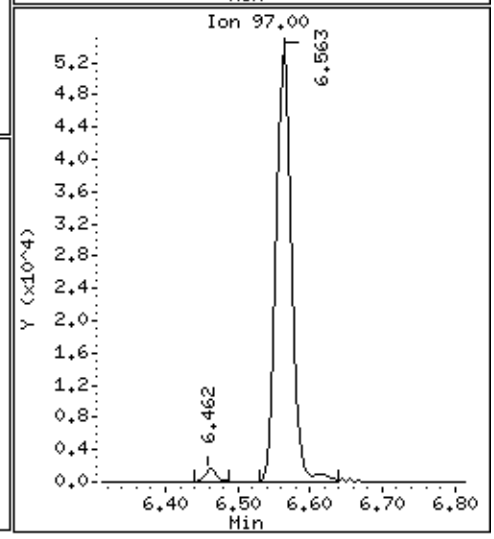












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

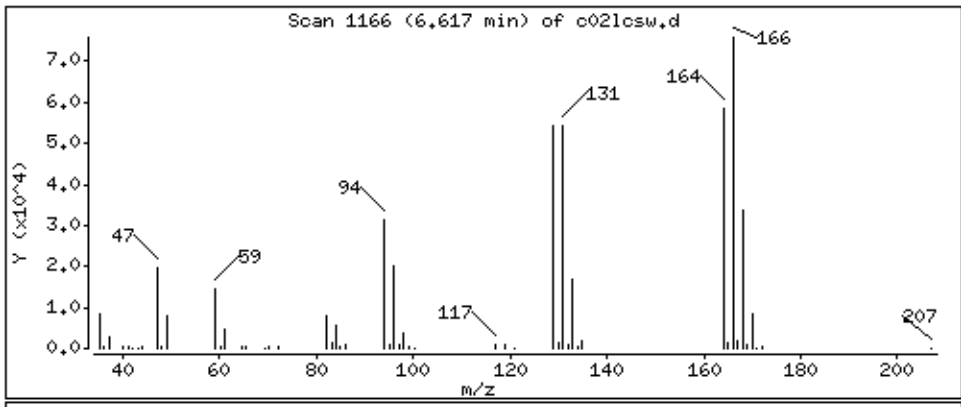
Column phase: DB-624

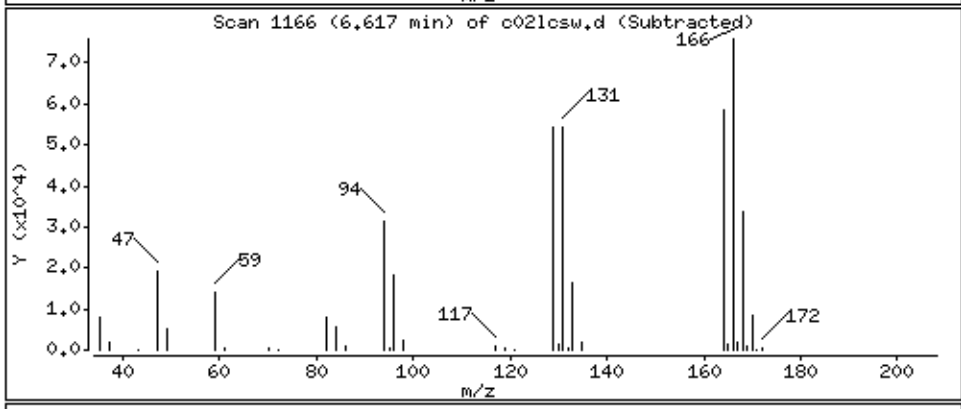
Column diameter: 0.18

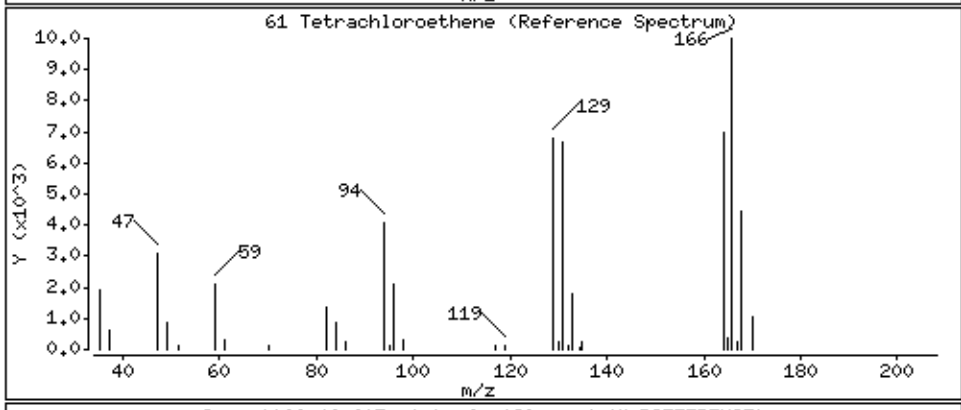
61 Tetrachloroethene

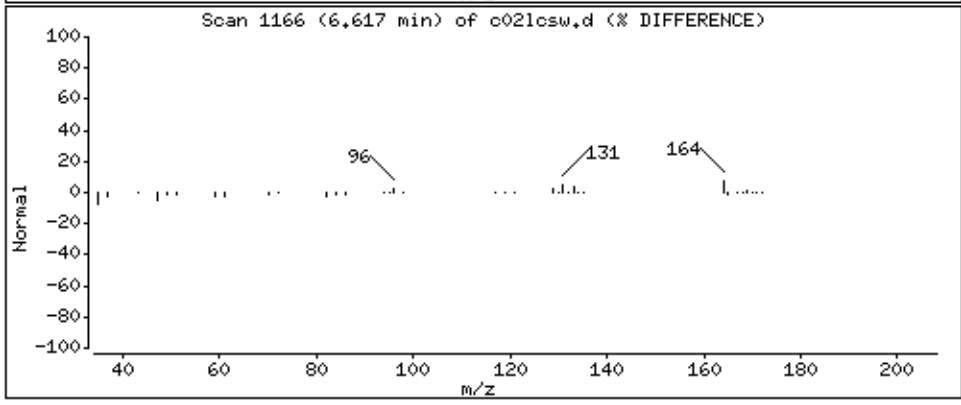
Concentration: 45.0 ppb

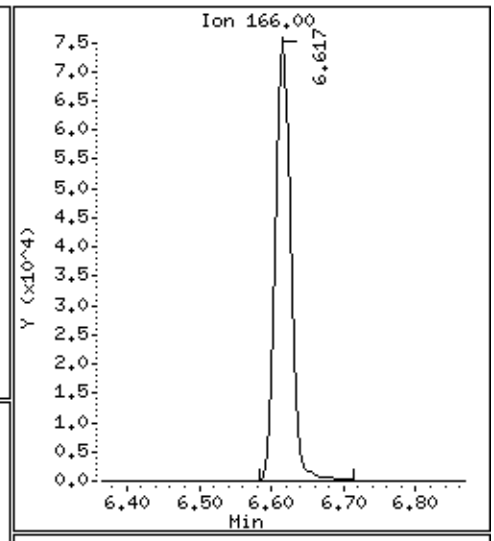
Review Code:

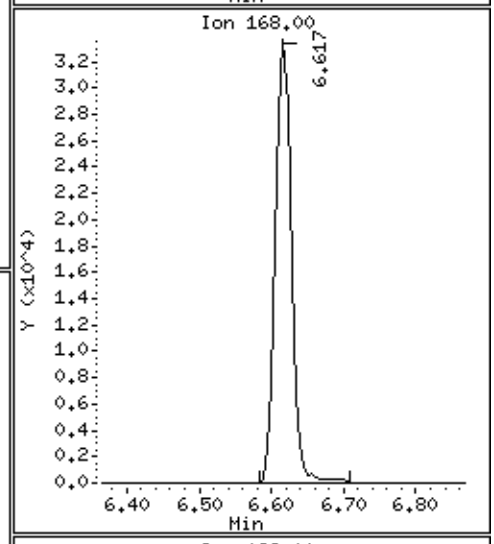


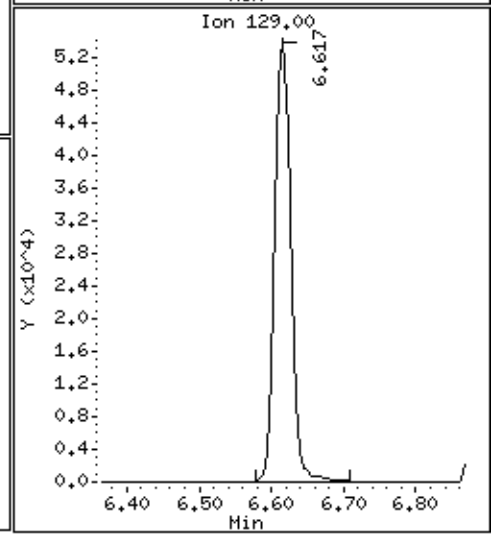












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

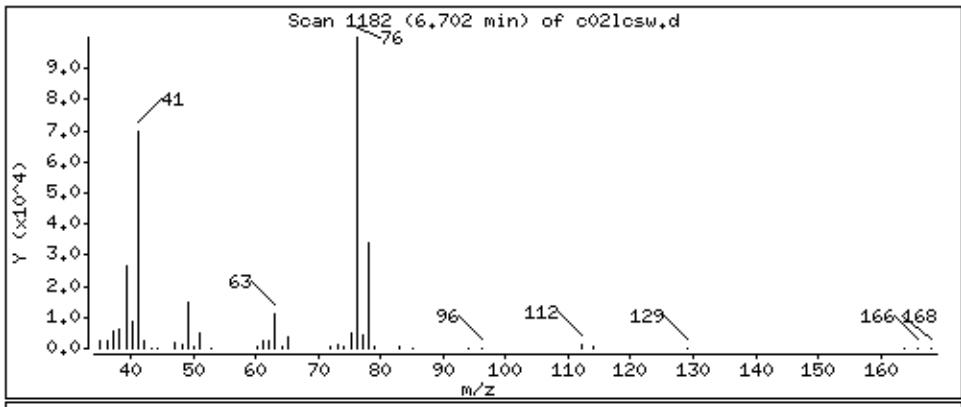
Column phase: DB-624

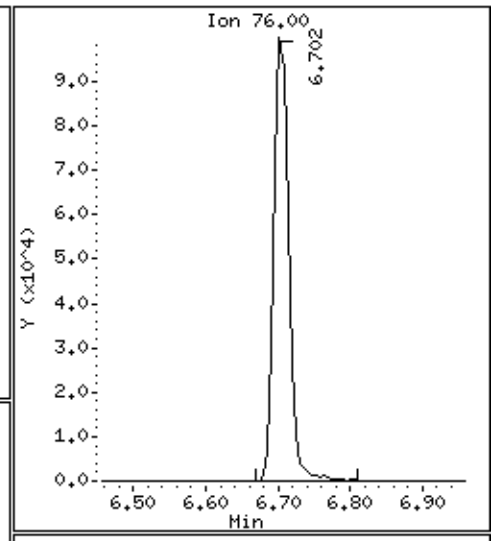
Column diameter: 0.18

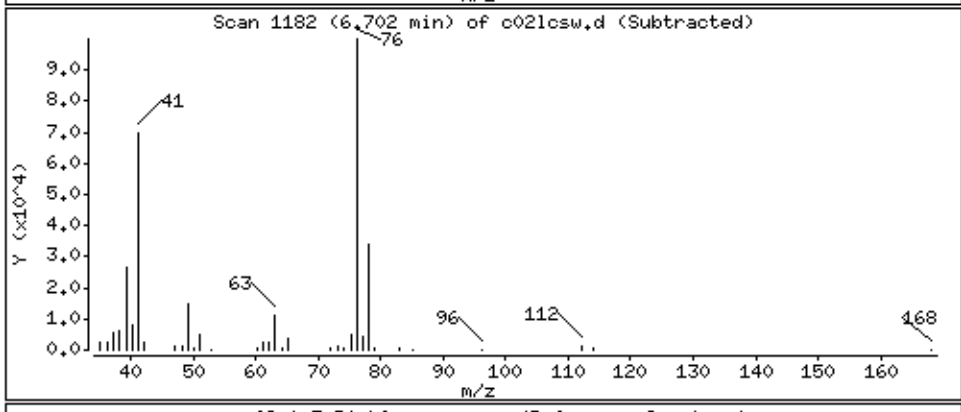
62 1,3-Dichloropropane

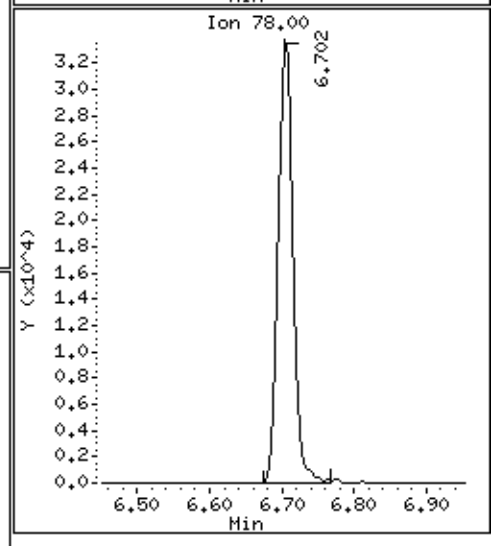
Concentration: 52.4 ppb

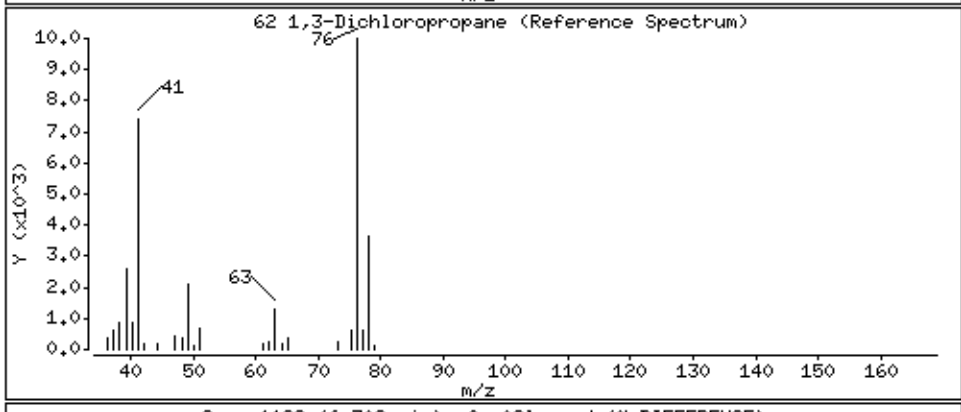
Review Code:

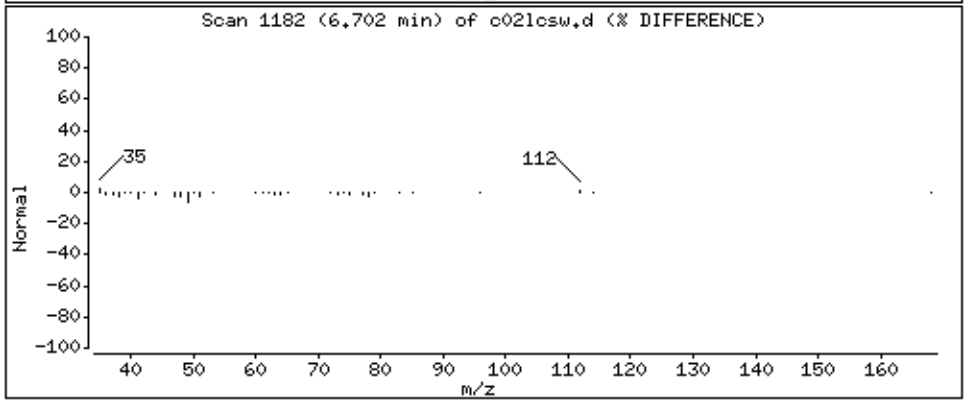












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

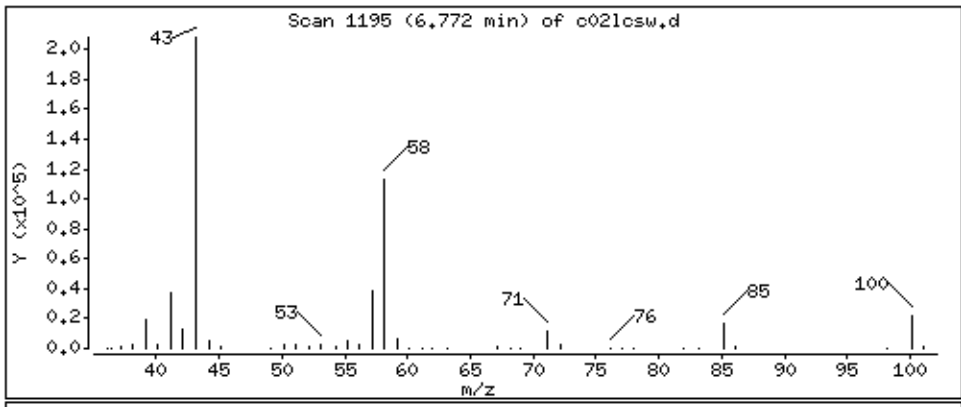
Column phase: DB-624

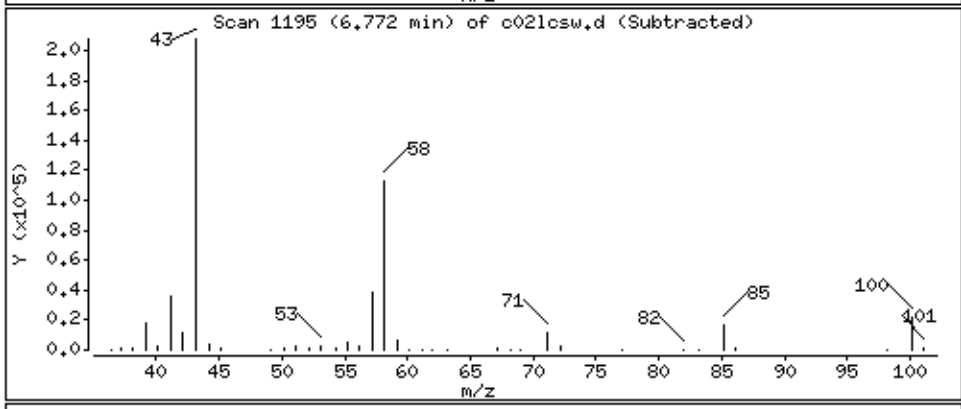
Column diameter: 0.18

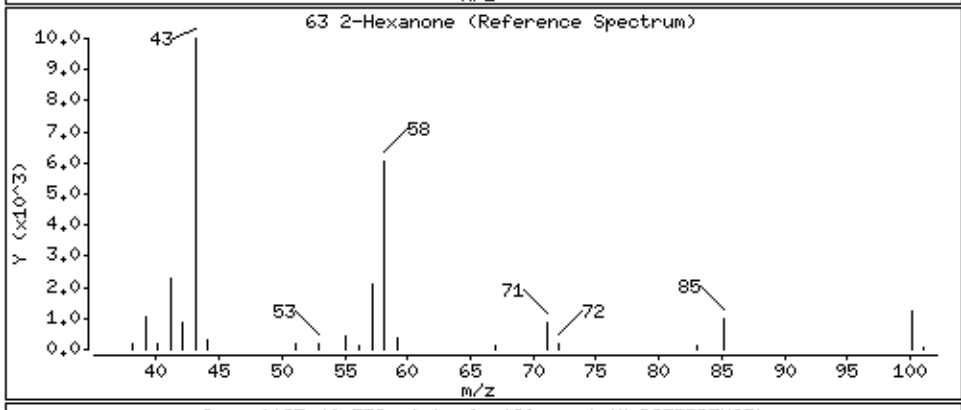
63 2-Hexanone

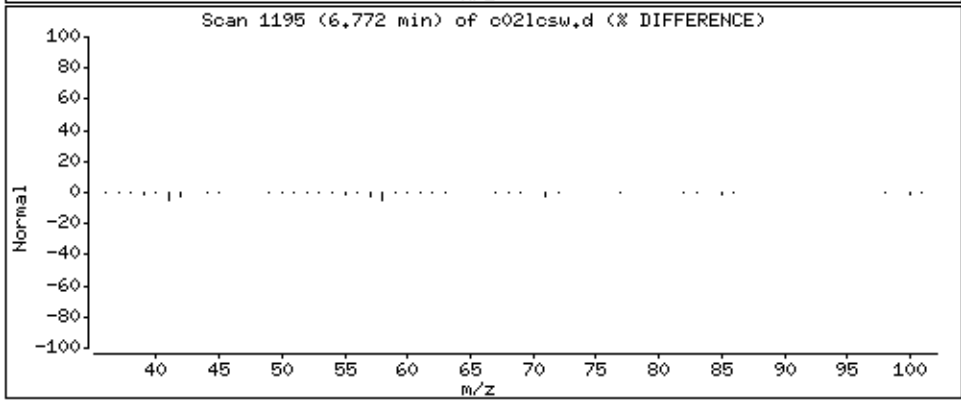
Concentration: 292 ppb

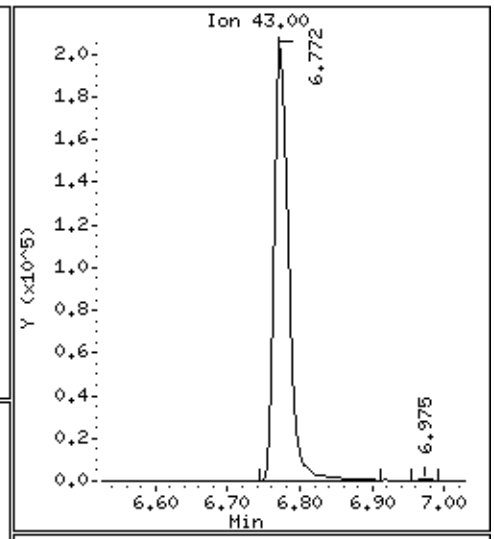
Review Code:

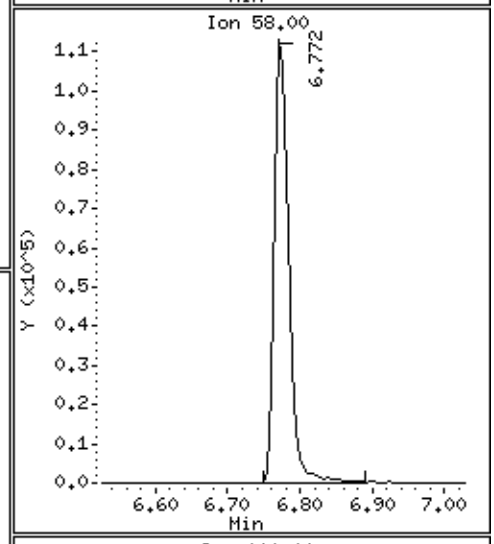


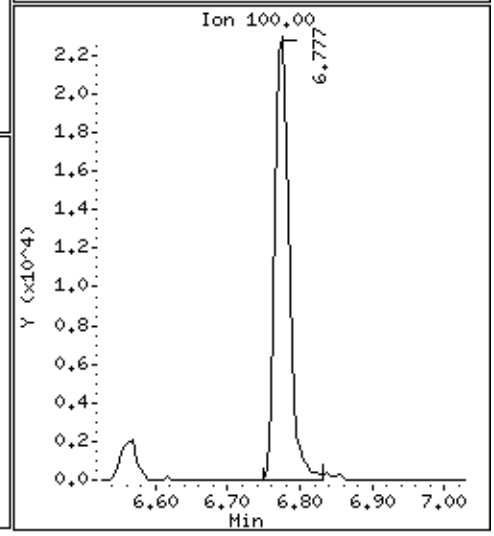












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

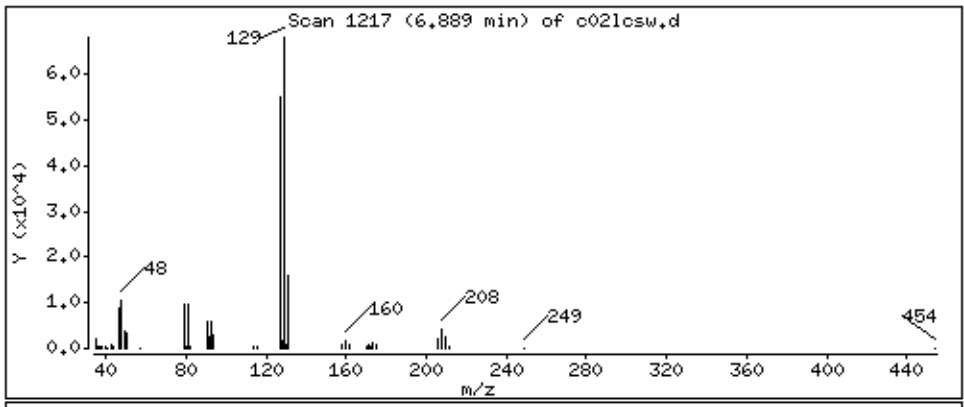
Column phase: DB-624

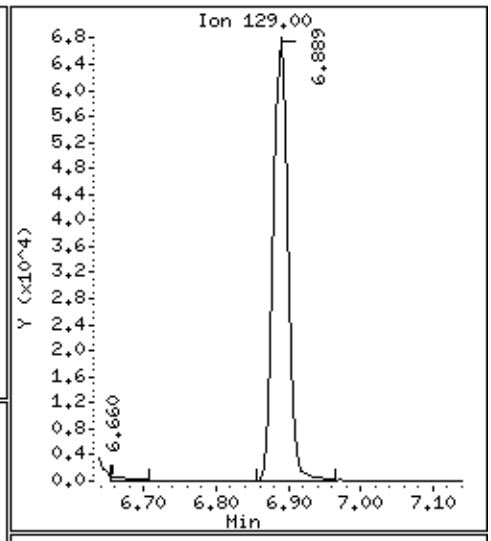
Column diameter: 0.18

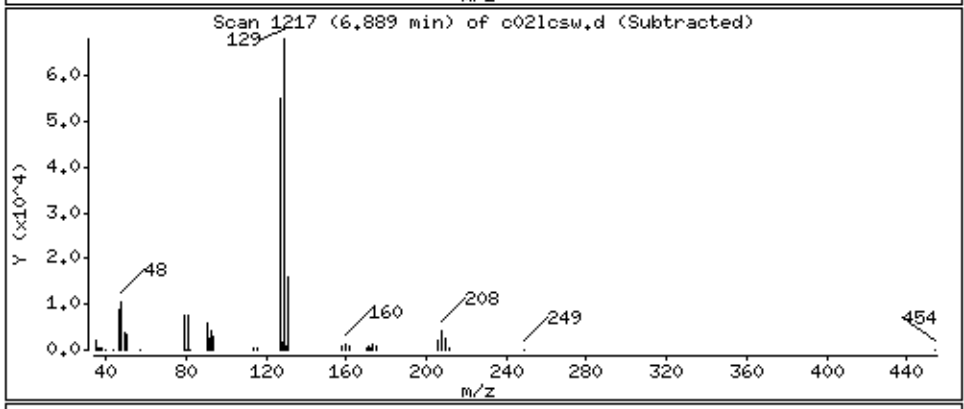
64 Dibromochloromethane

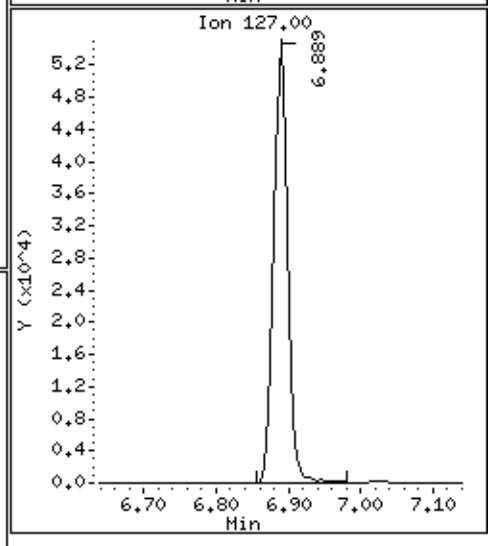
Concentration: 52.1 ppb

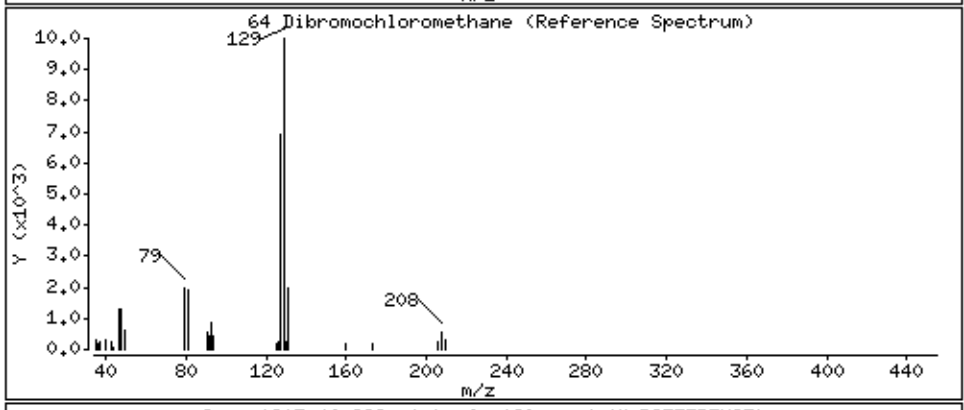
Review Code:

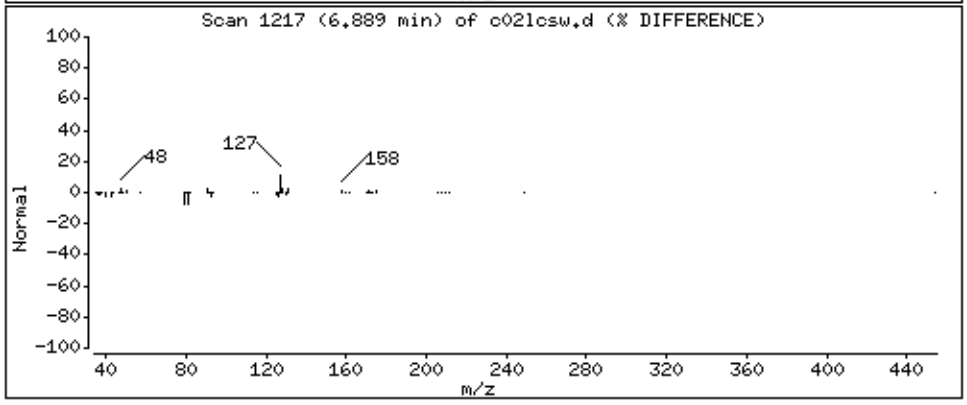












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

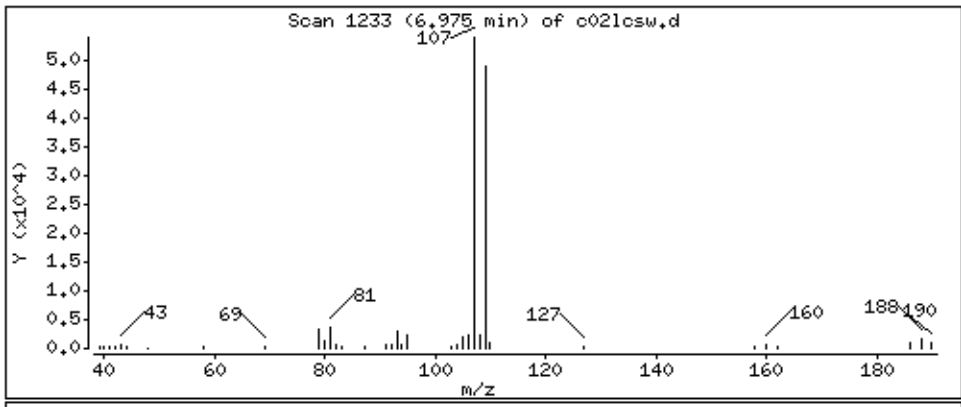
Column phase: DB-624

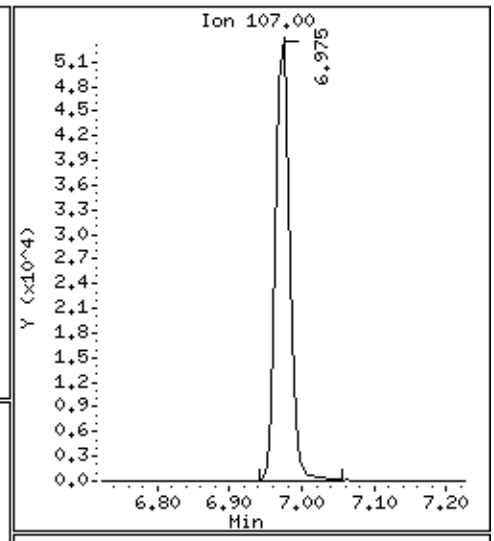
Column diameter: 0.18

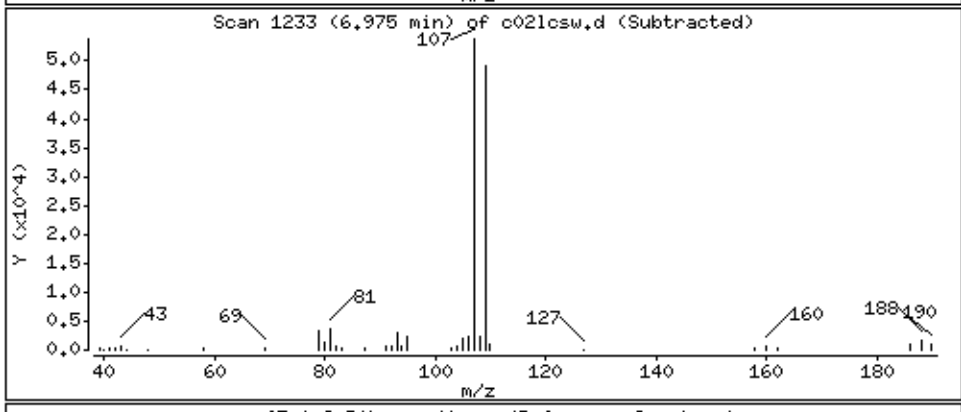
65 1,2-Dibromoethane

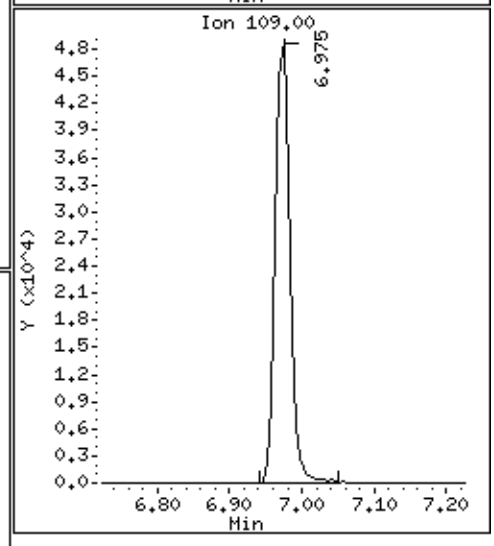
Concentration: 51.8 ppb

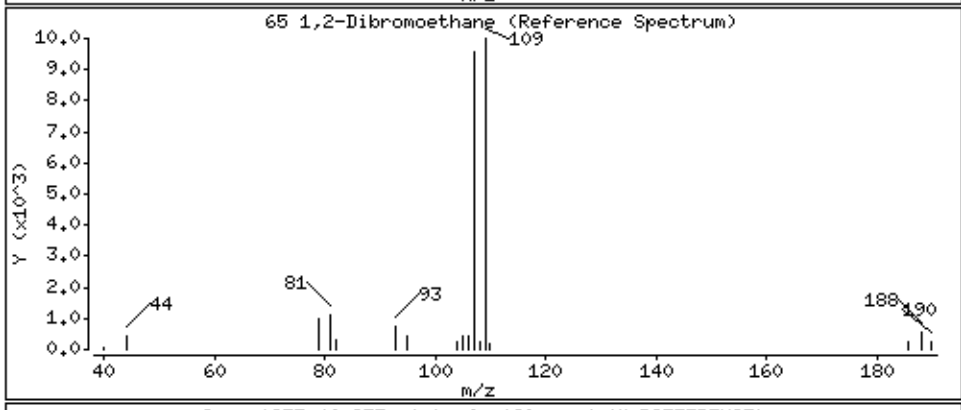
Review Code:

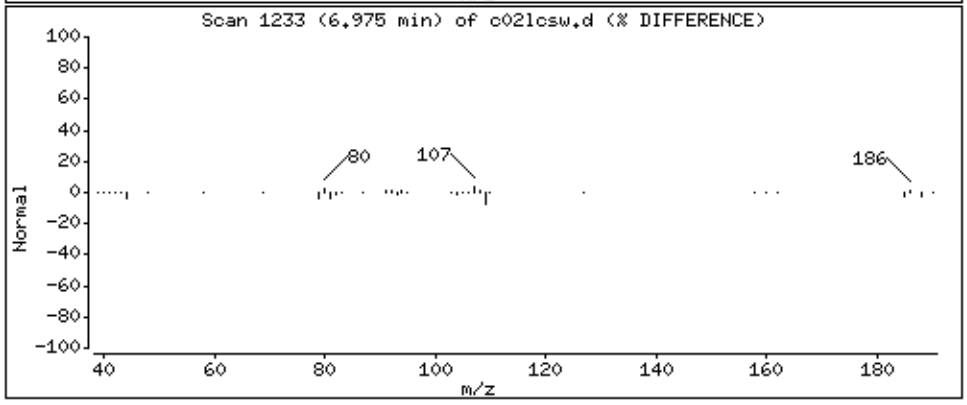












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

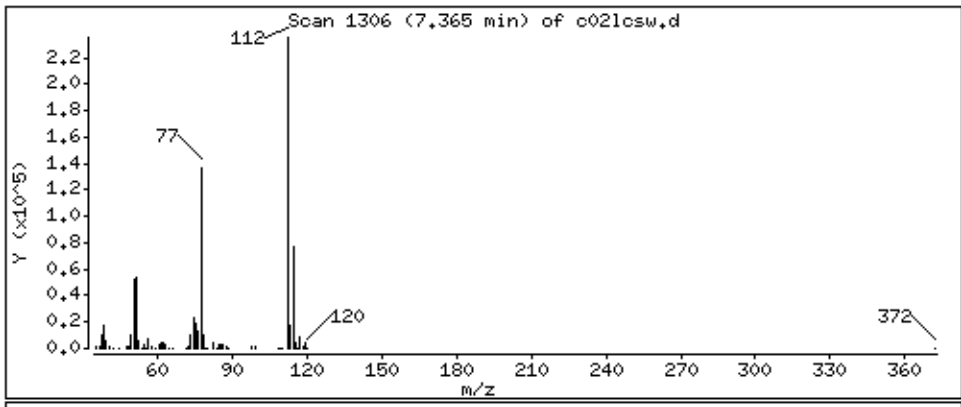
Column phase: DB-624

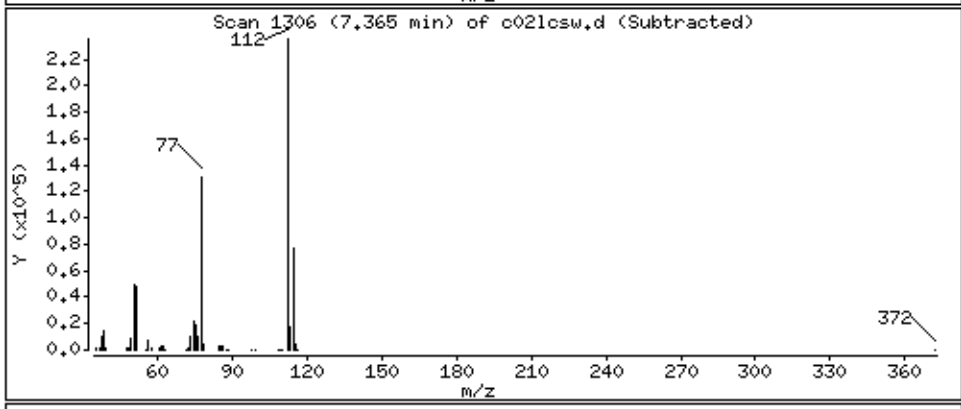
Column diameter: 0.18

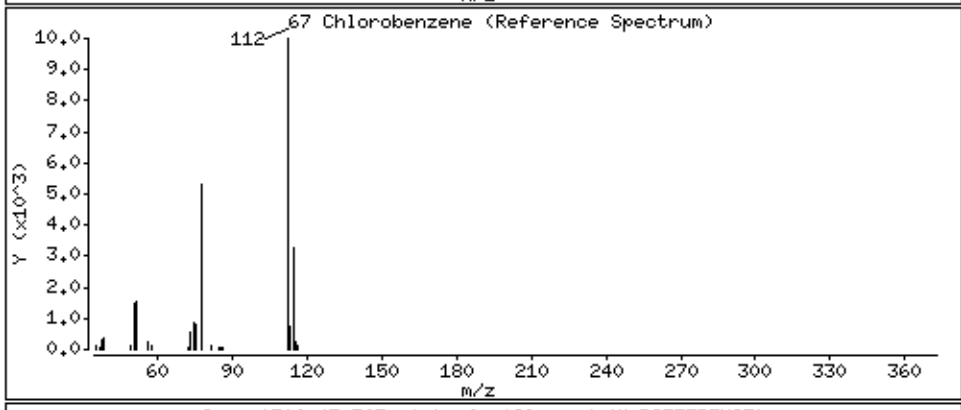
67 Chlorobenzene

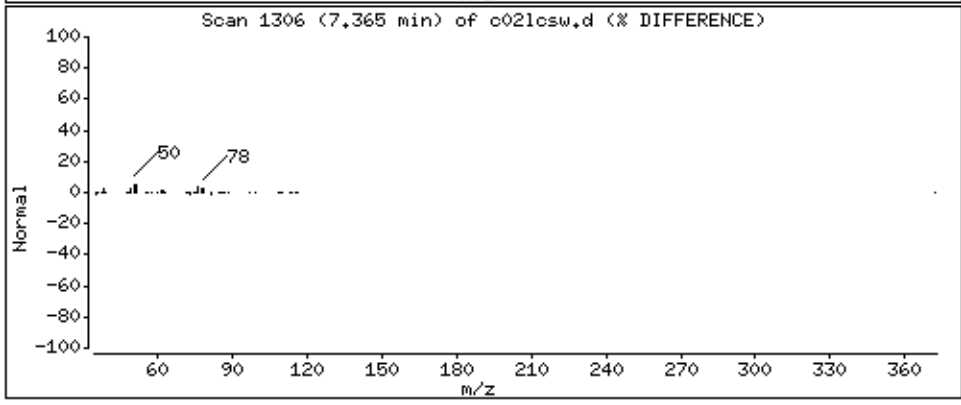
Concentration: 47.8 ppb

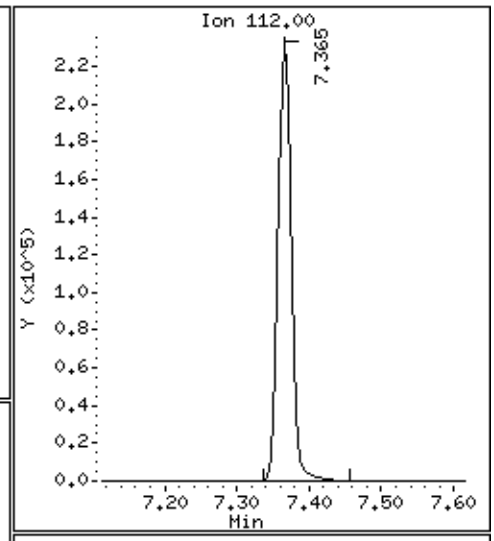
Review Code:

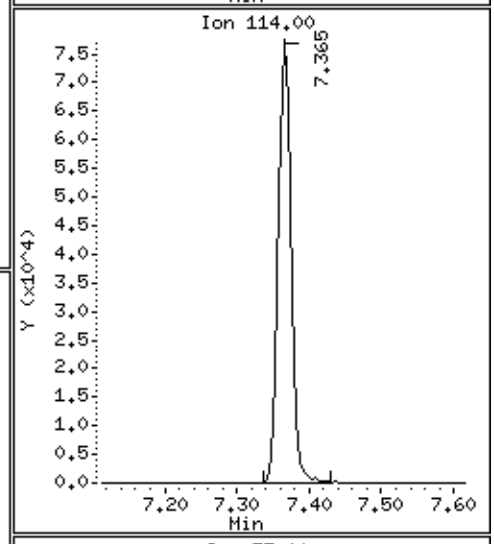


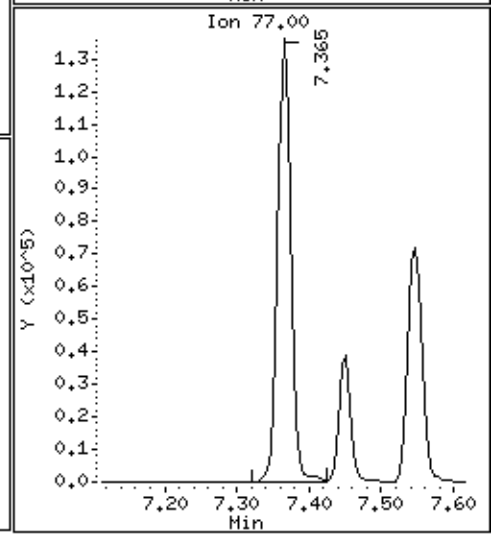












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

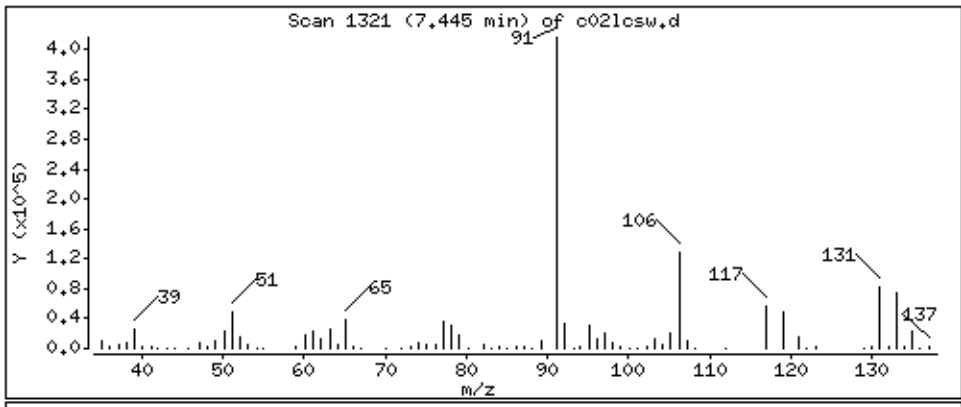
Column phase: DB-624

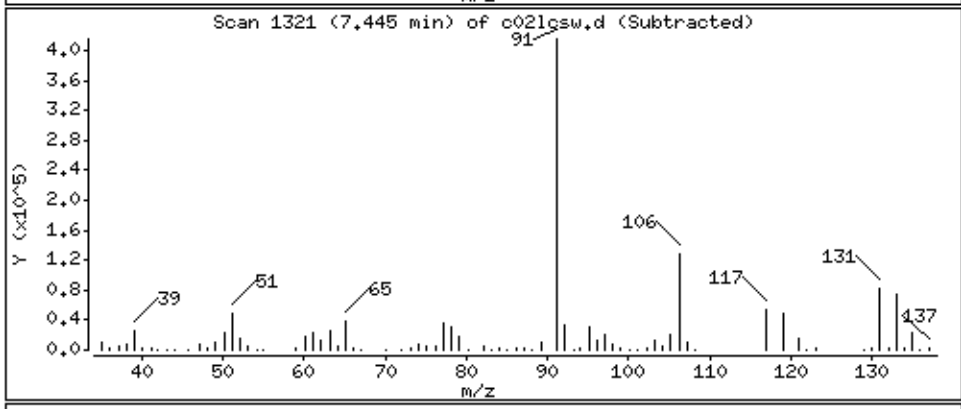
Column diameter: 0.18

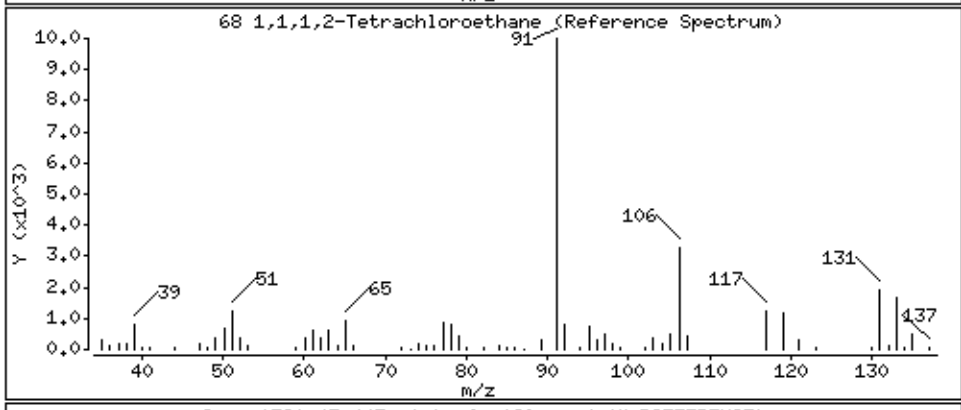
68 1,1,1,2-Tetrachloroethane

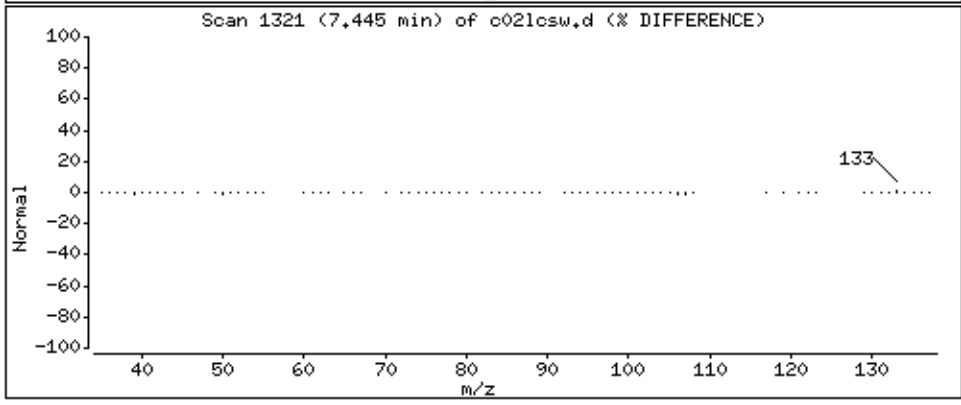
Concentration: 54.0 ppb

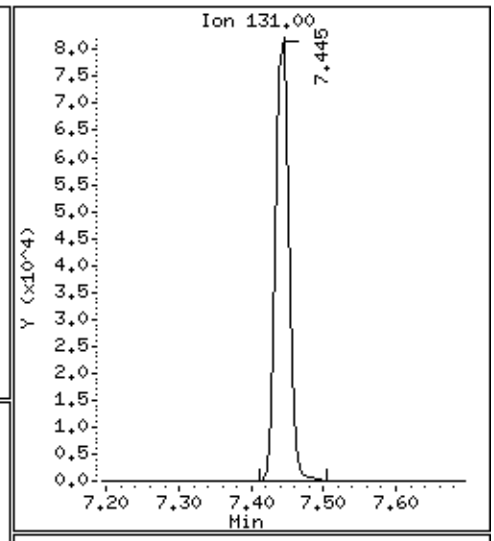
Review Code:

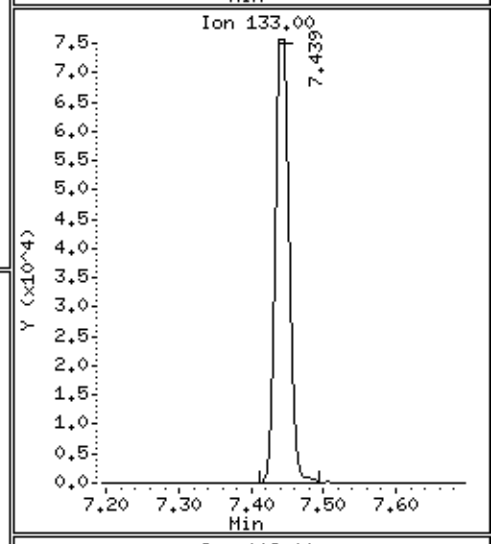


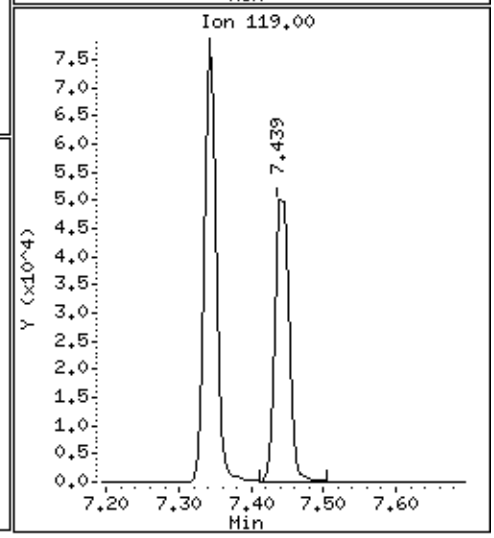












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

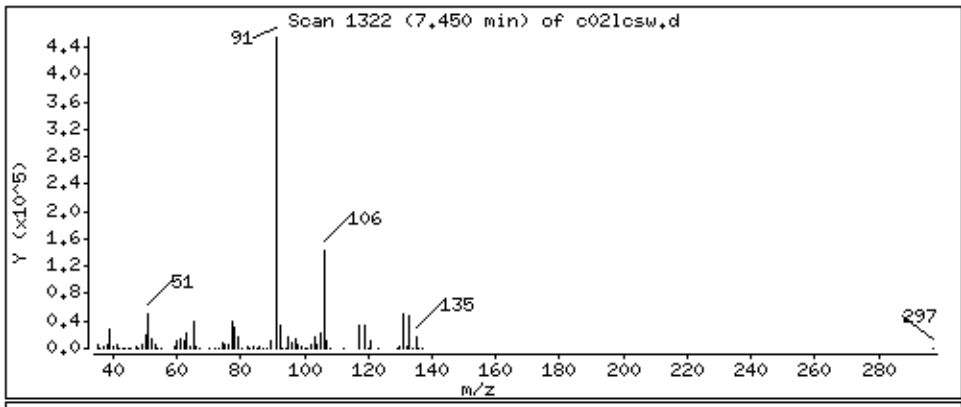
Column phase: DB-624

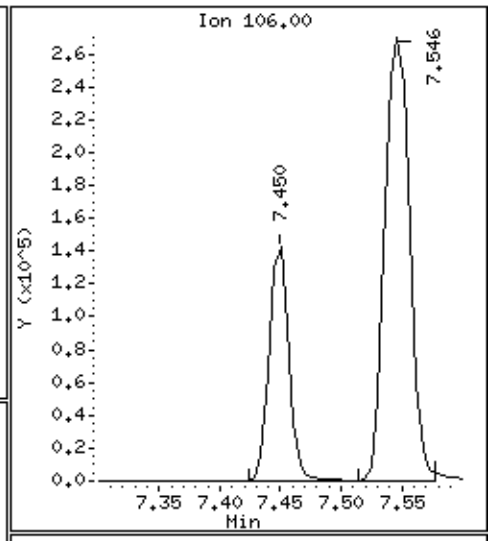
Column diameter: 0.18

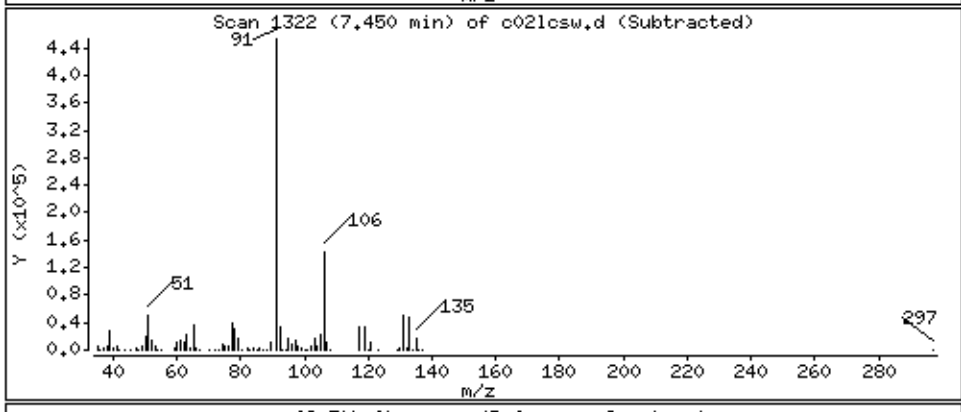
69 Ethylbenzene

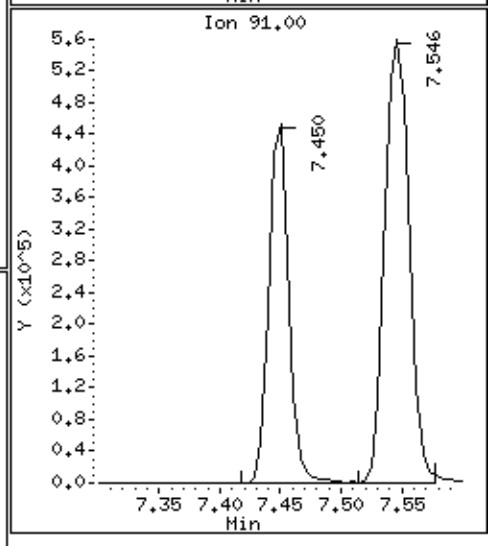
Concentration: 52.4 ppb

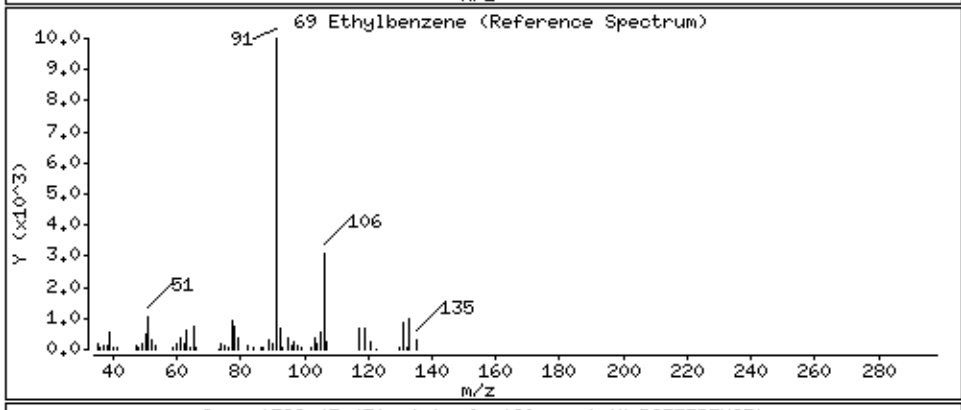
Review Code:

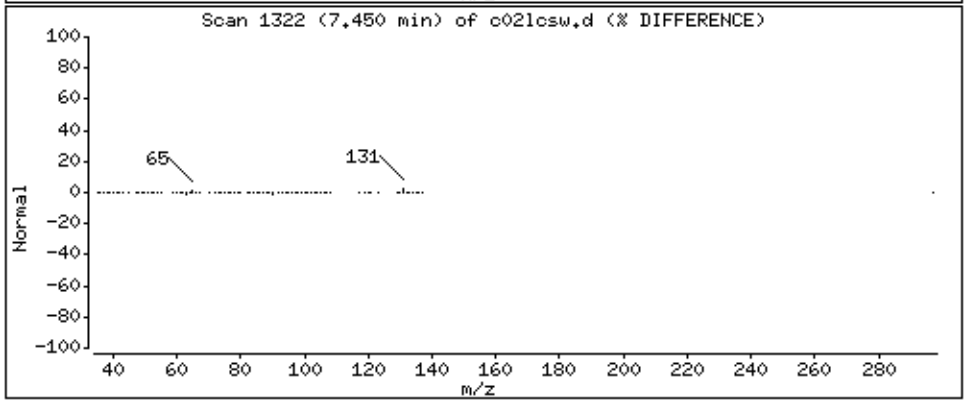












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

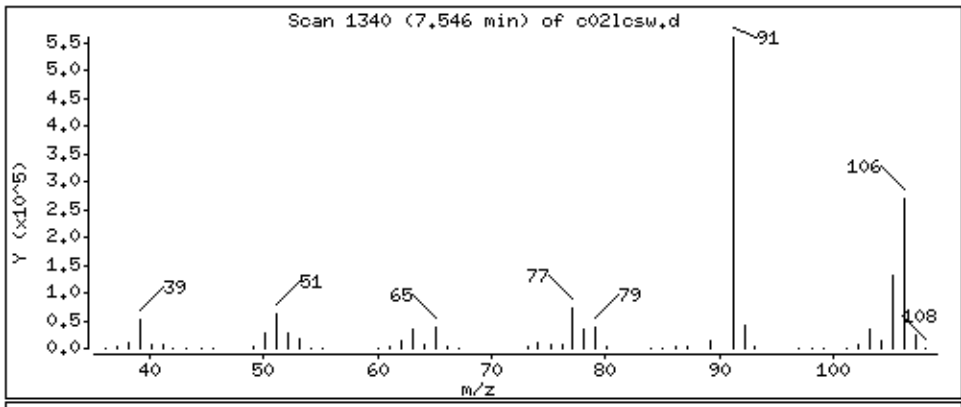
Column phase: DB-624

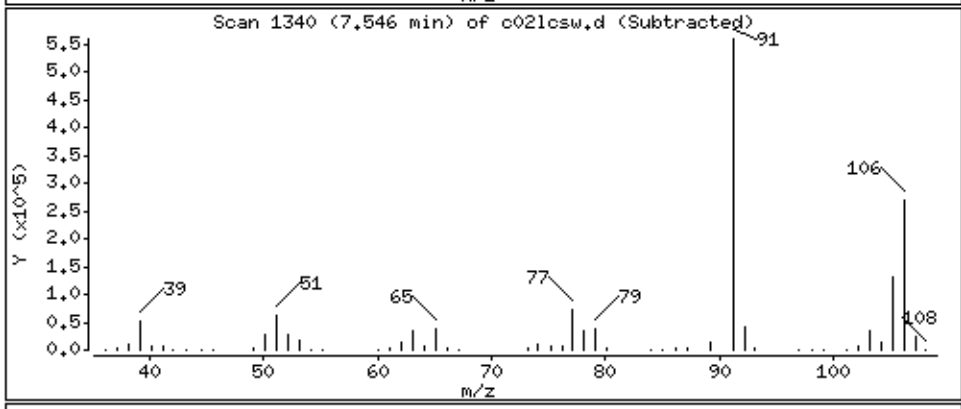
Column diameter: 0.18

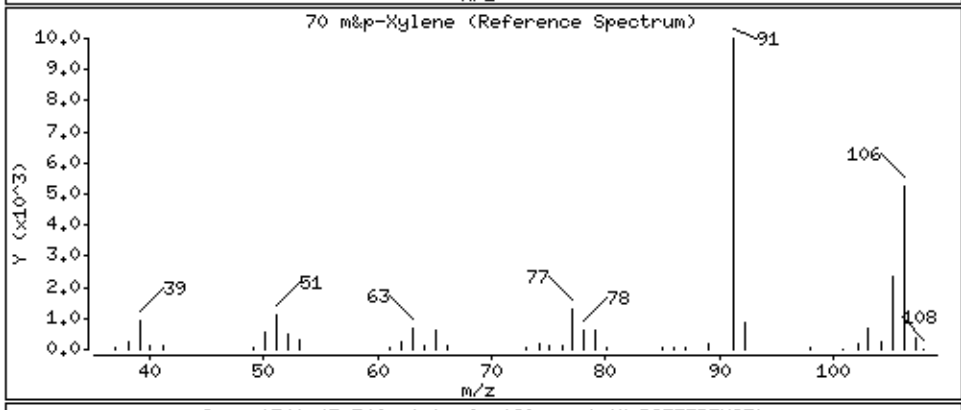
70 m&p-Xylene

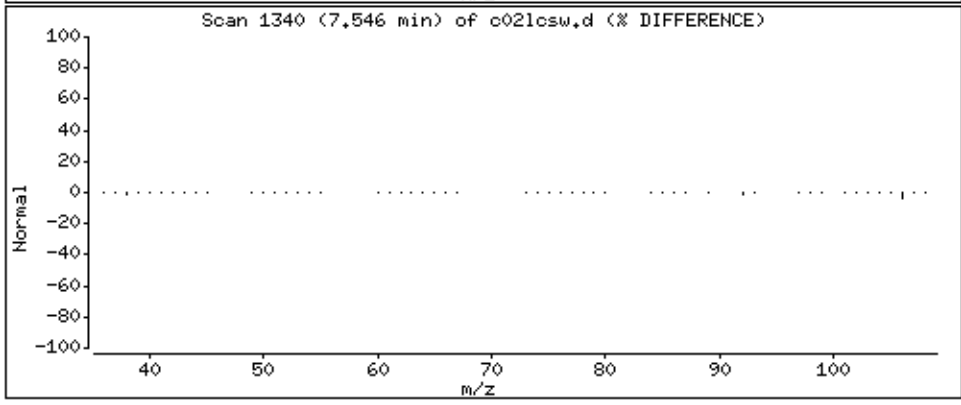
Concentration: 102 ppb

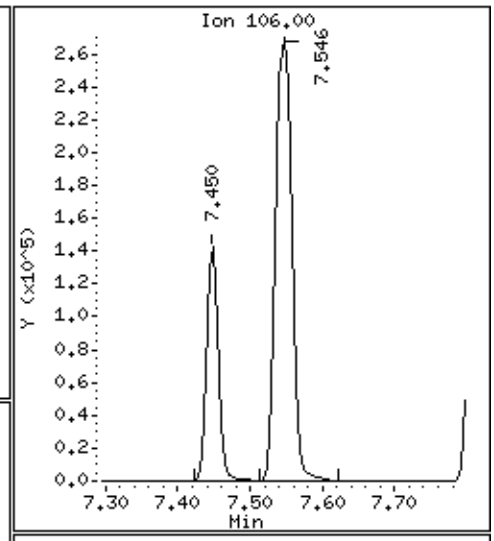
Review Code:

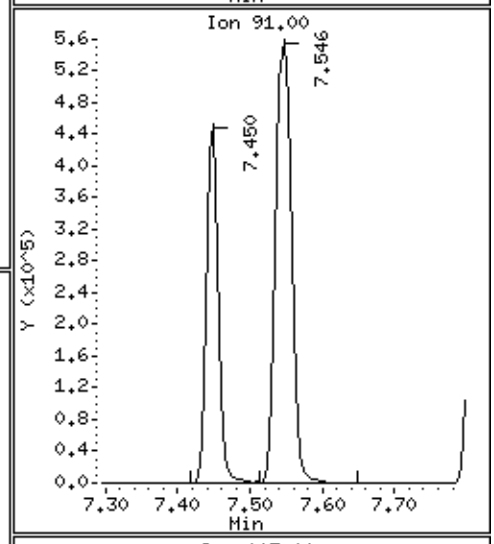


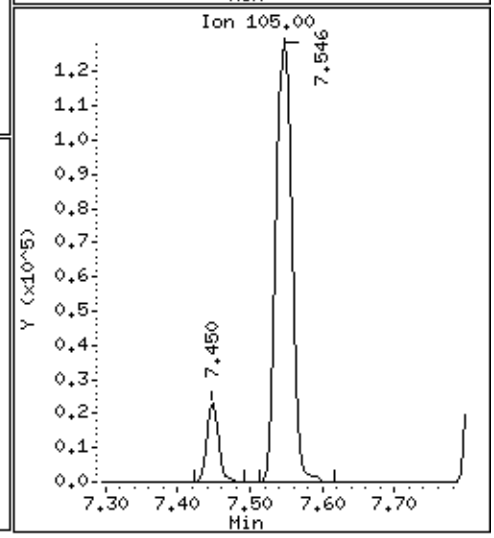












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

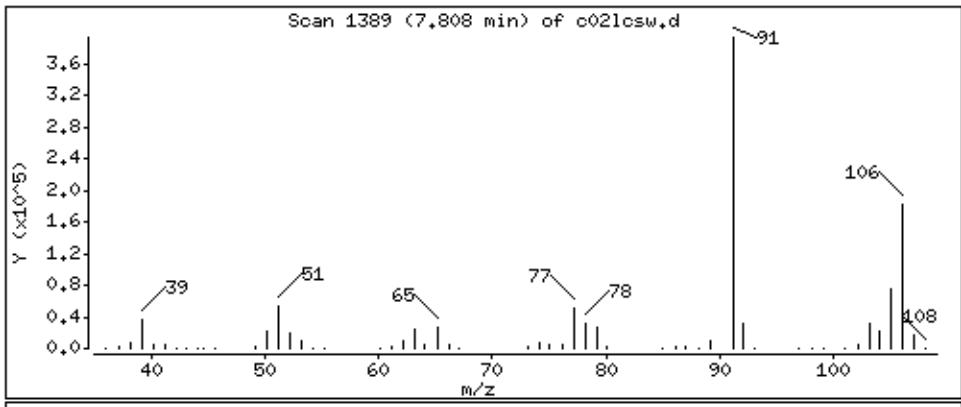
Column phase: DB-624

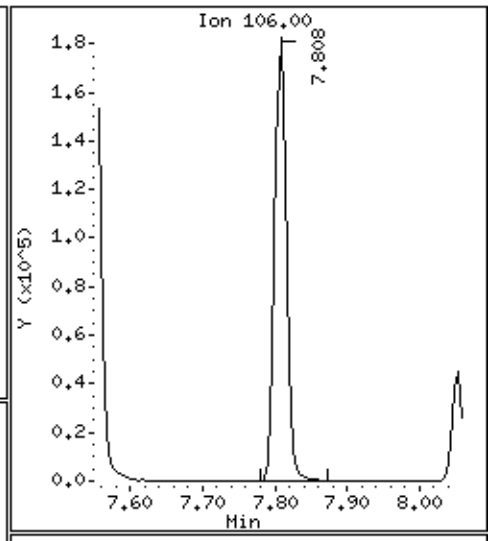
Column diameter: 0.18

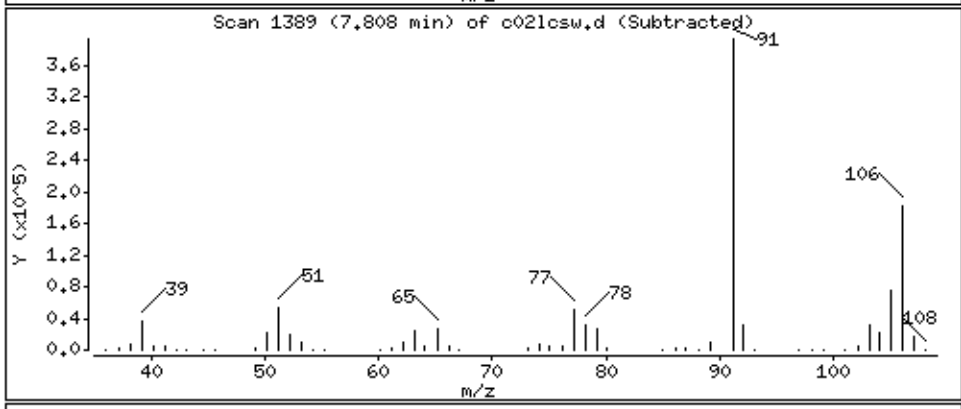
71 o-Xylene

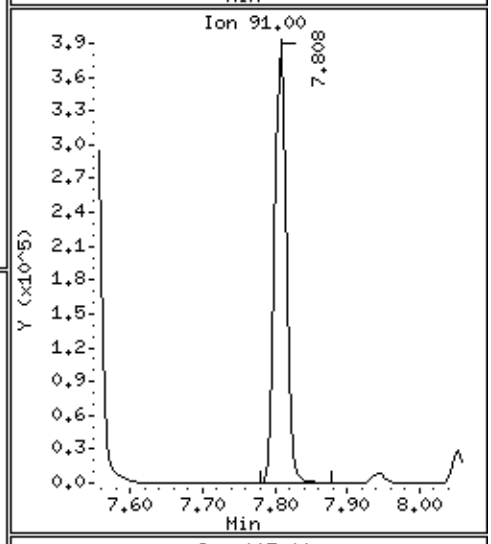
Concentration: 52.5 ppb

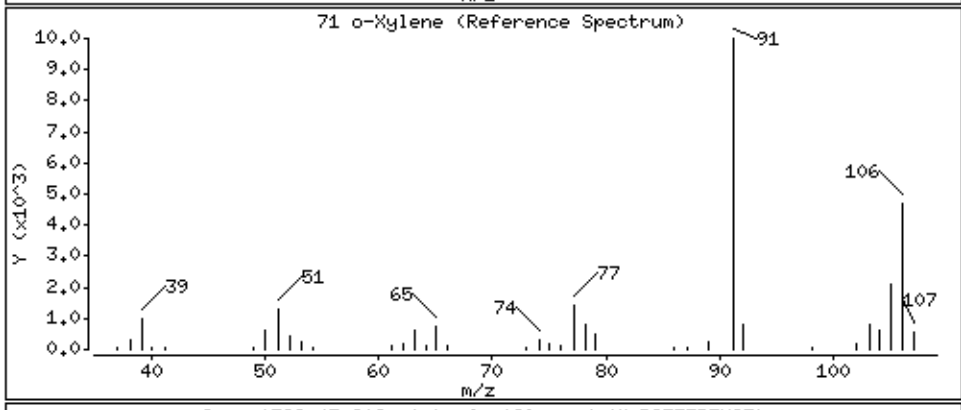
Review Code:

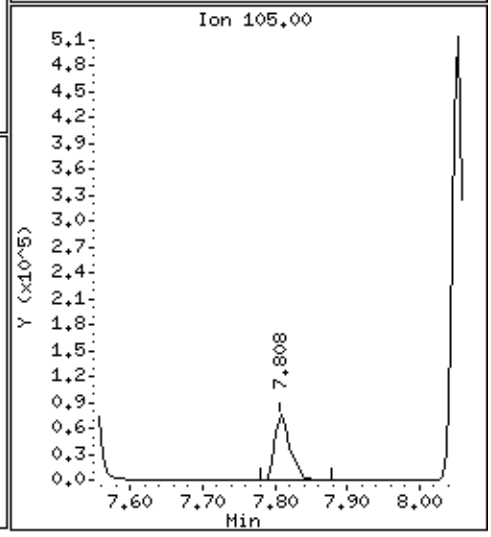


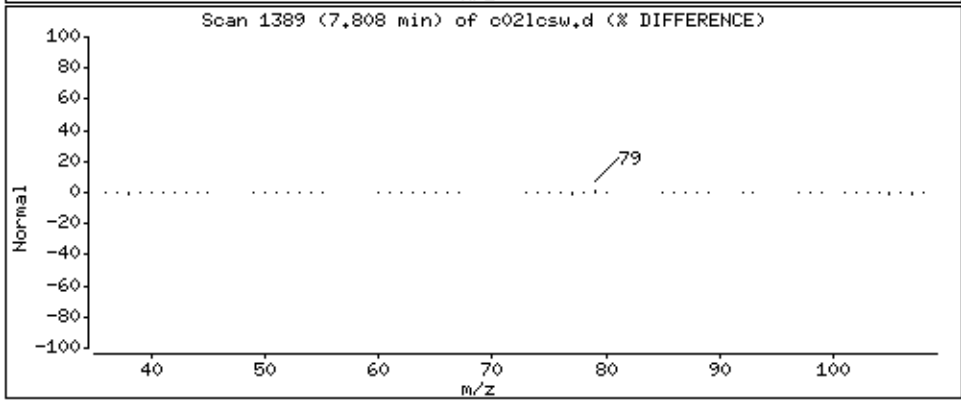












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

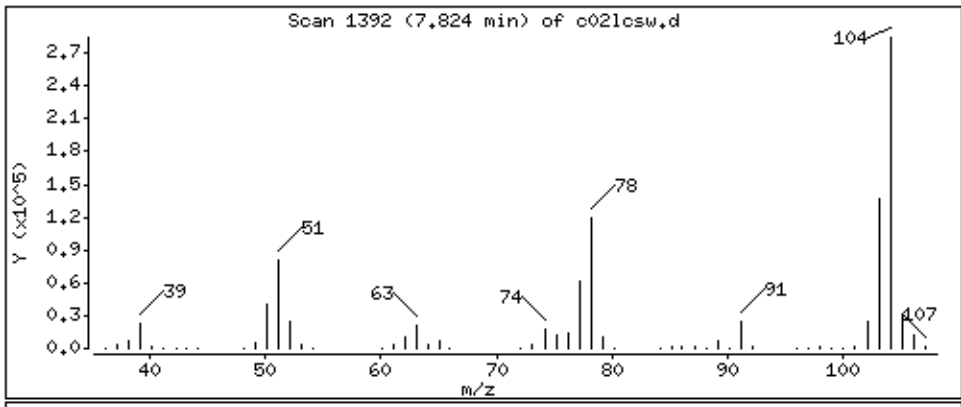
Column phase: DB-624

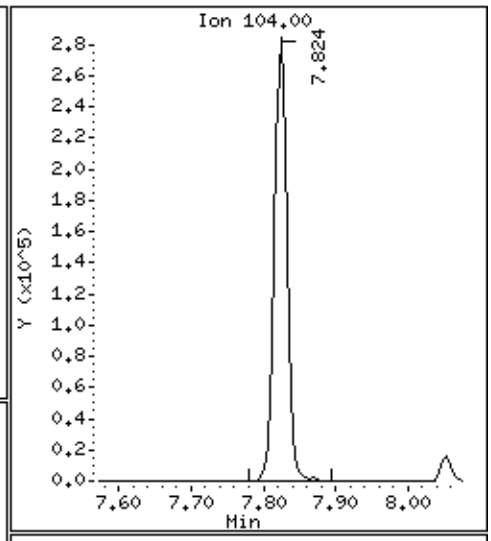
Column diameter: 0.18

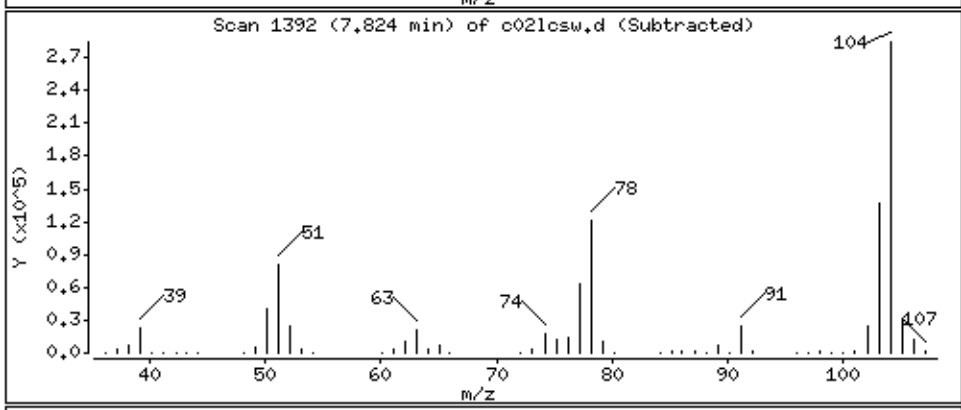
72 Styrene

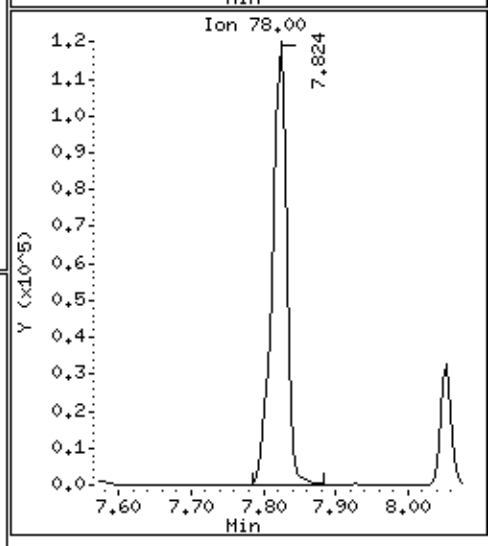
Concentration: 55.0 ppb

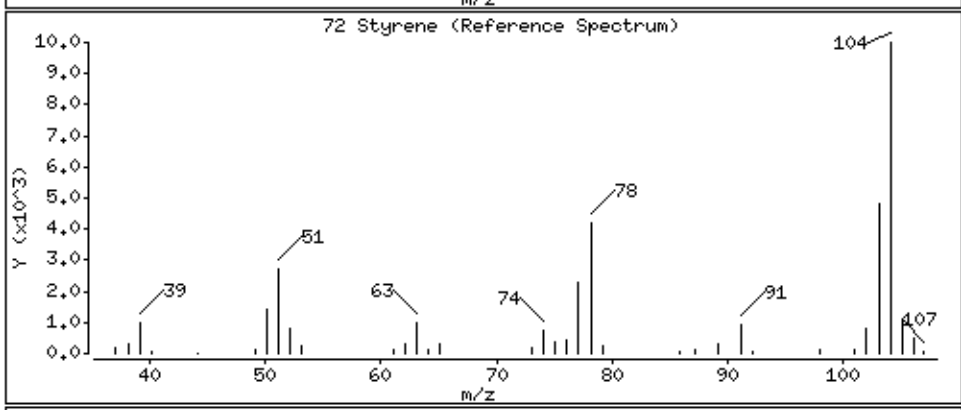
Review Code:

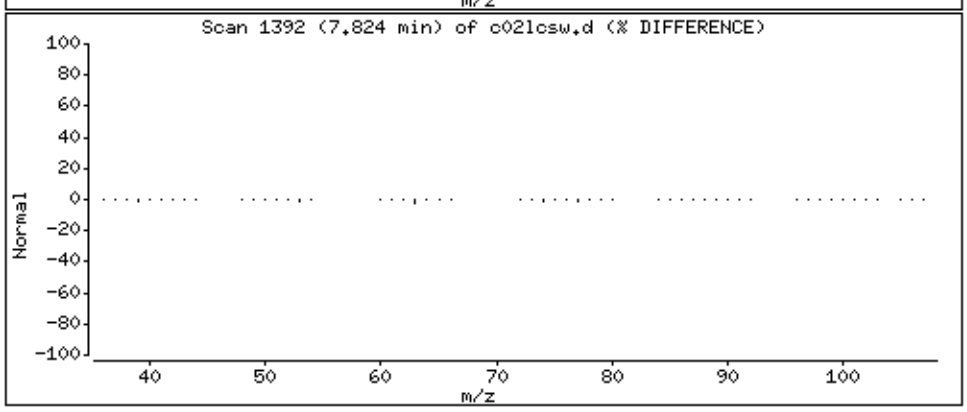












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

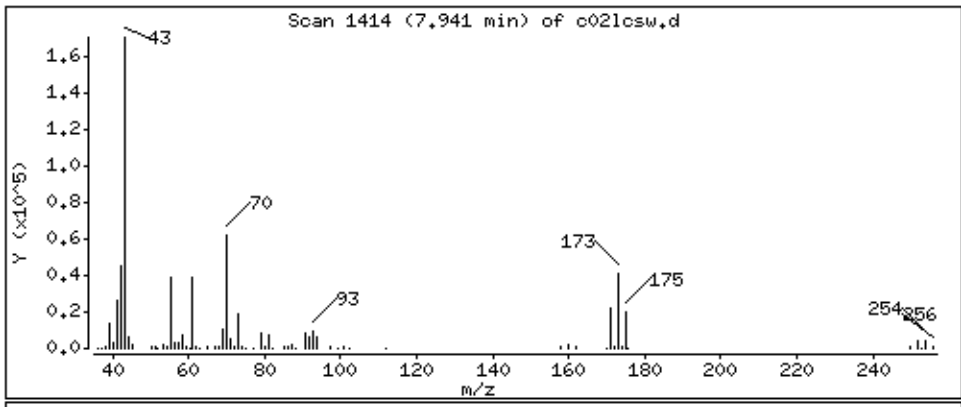
Column phase: DB-624

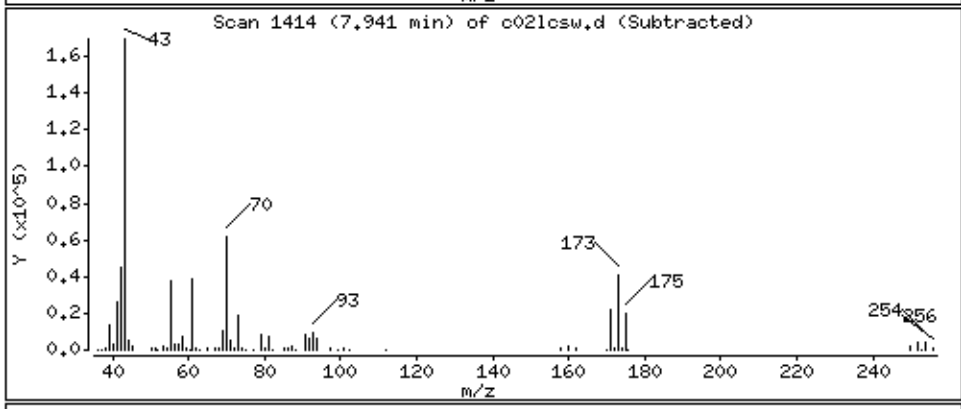
Column diameter: 0.18

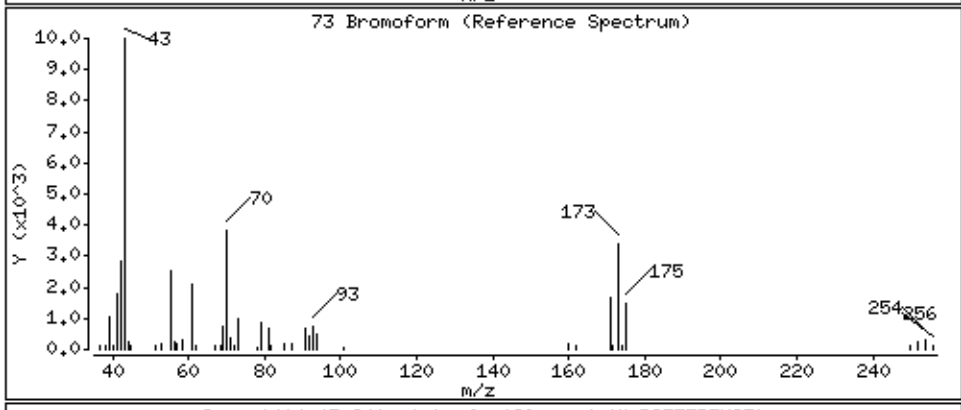
73 Bromoform

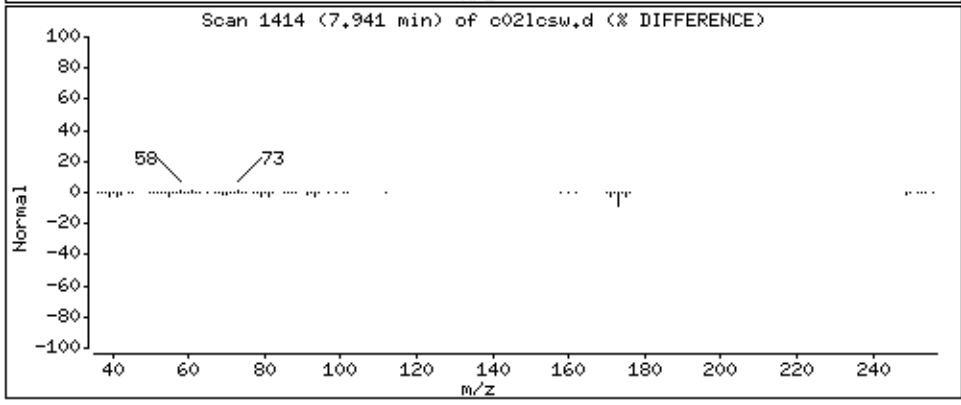
Concentration: 52.4 ppb

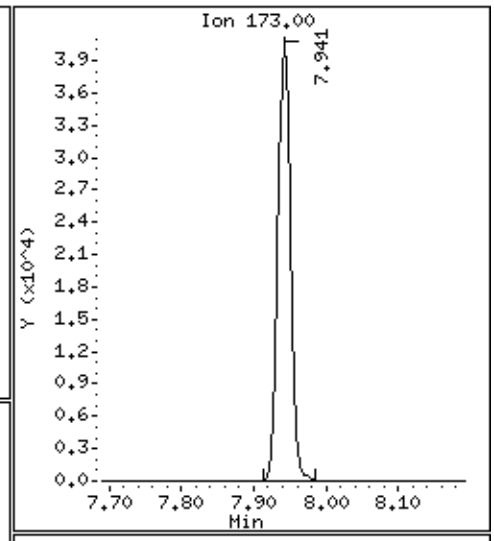
Review Code:

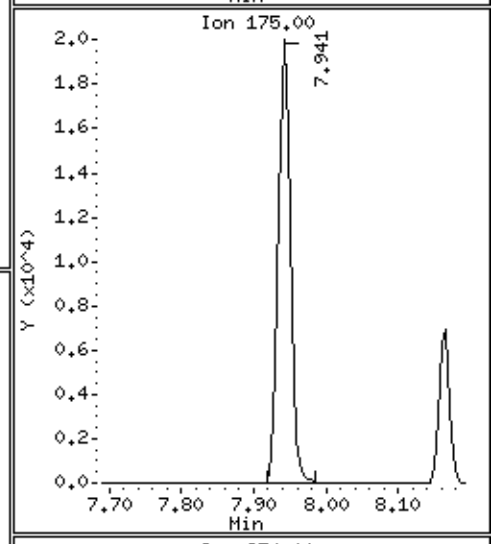


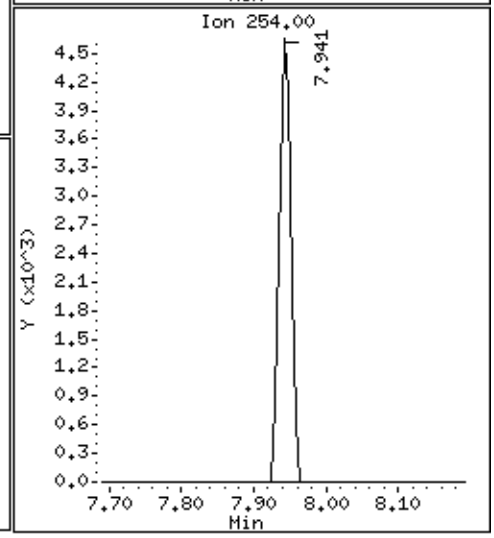












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

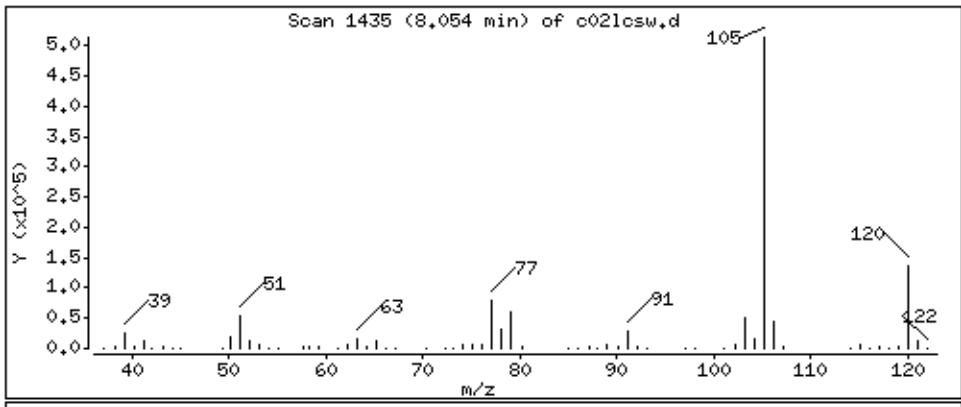
Column phase: DB-624

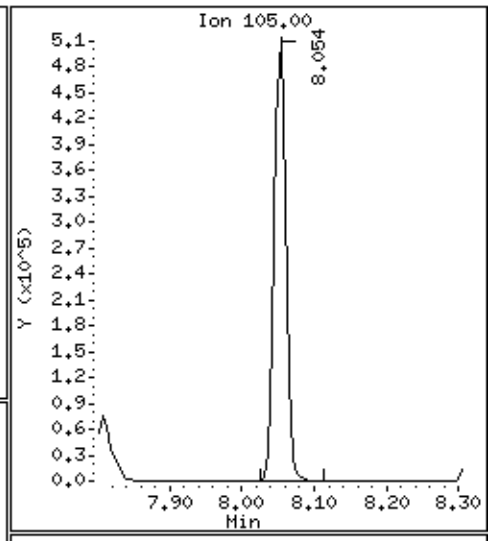
Column diameter: 0.18

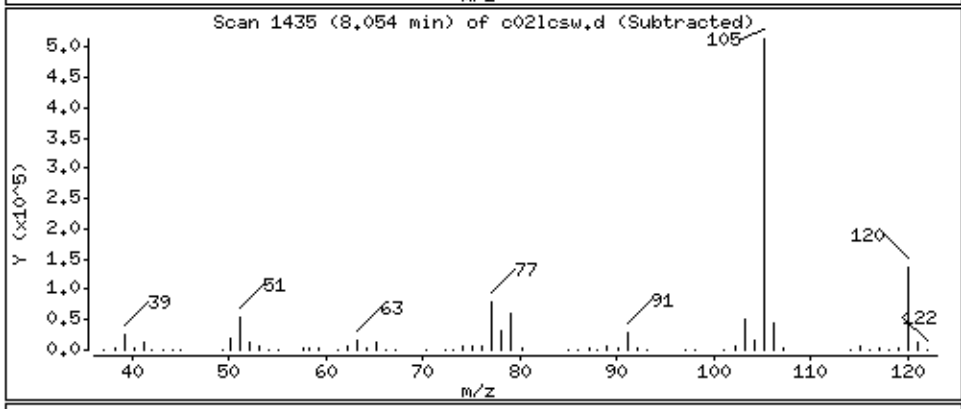
74 Isopropylbenzene

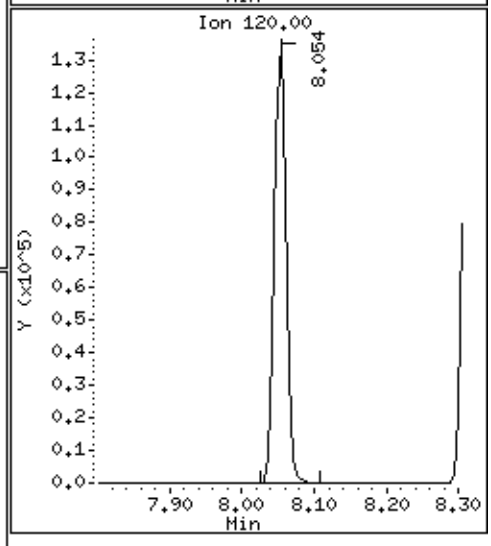
Concentration: 52.9 ppb

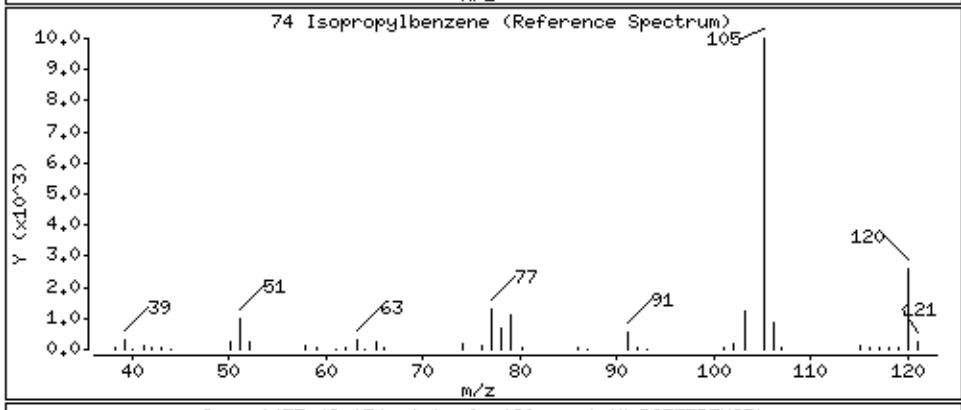
Review Code:

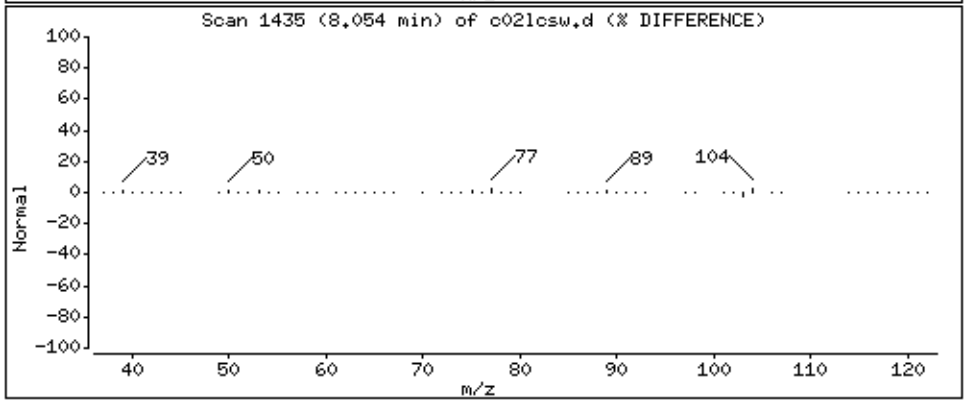












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

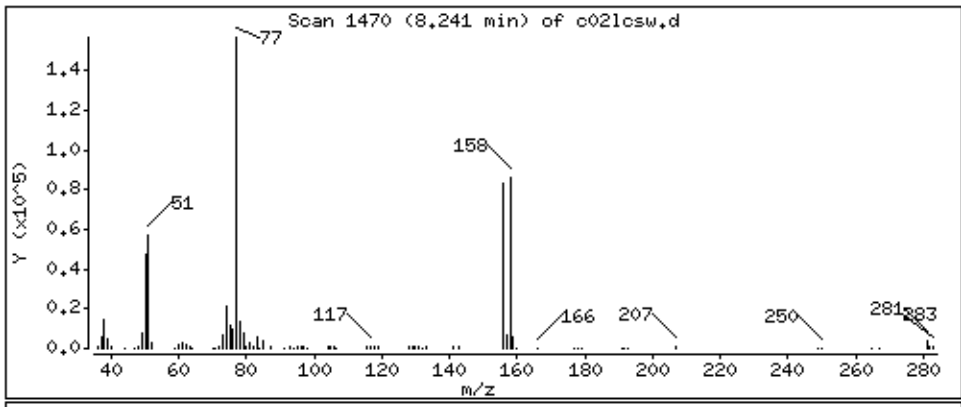
Column phase: DB-624

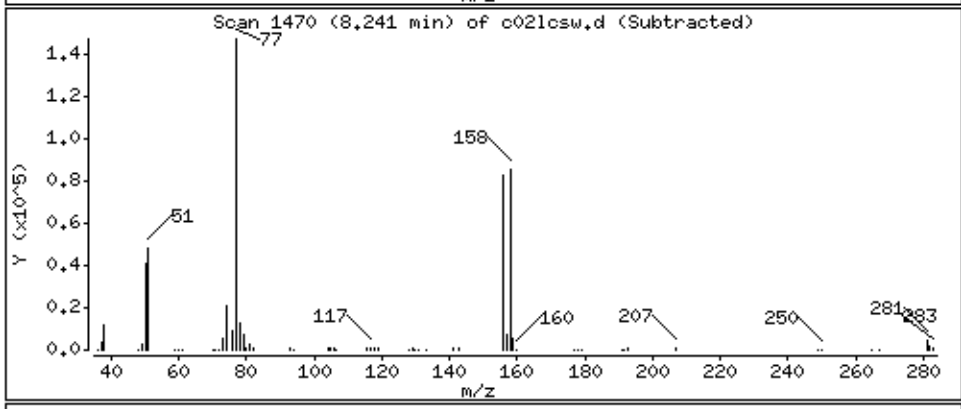
Column diameter: 0.18

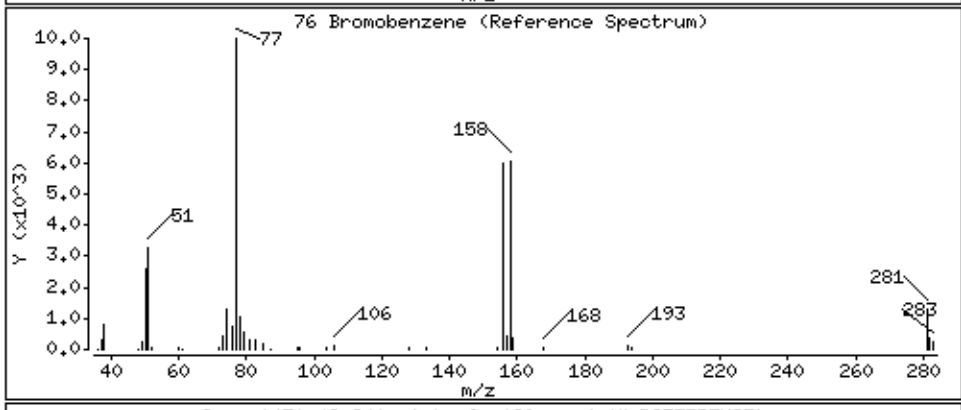
76 Bromobenzene

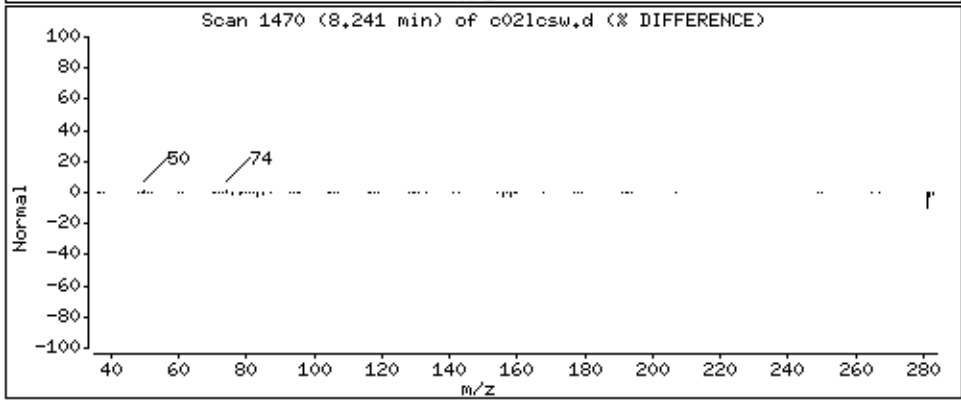
Concentration: 52.2 ppb

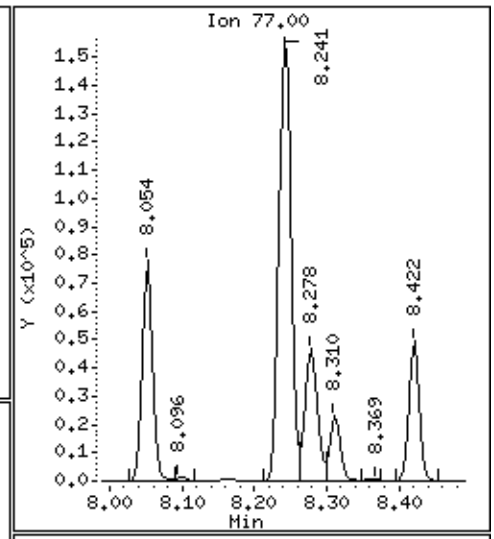
Review Code:

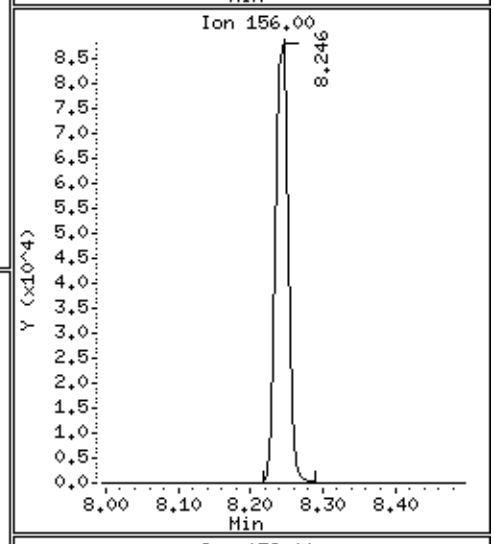


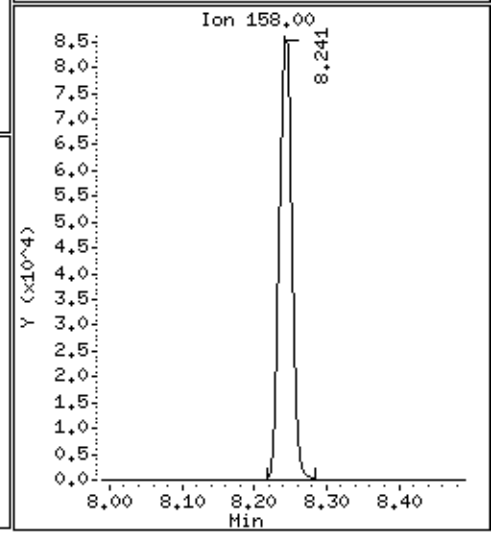












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

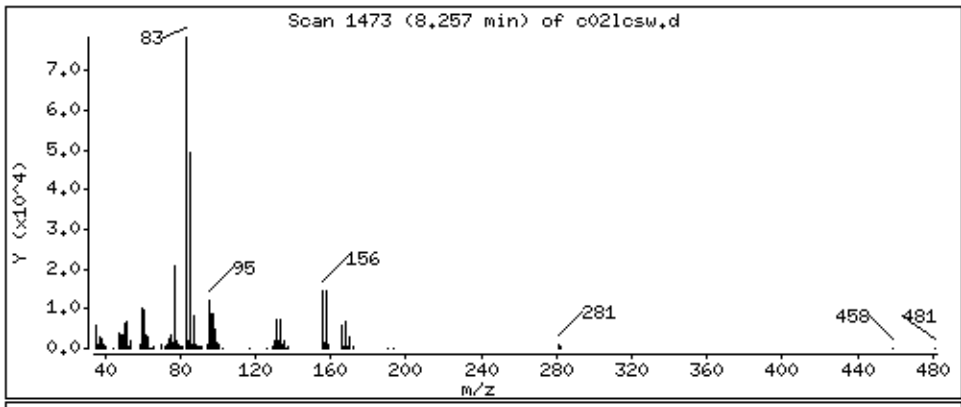
Column phase: DB-624

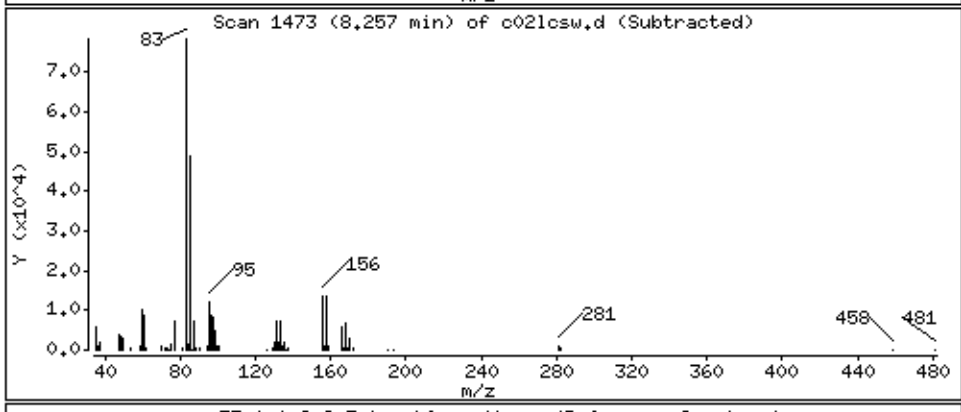
Column diameter: 0.18

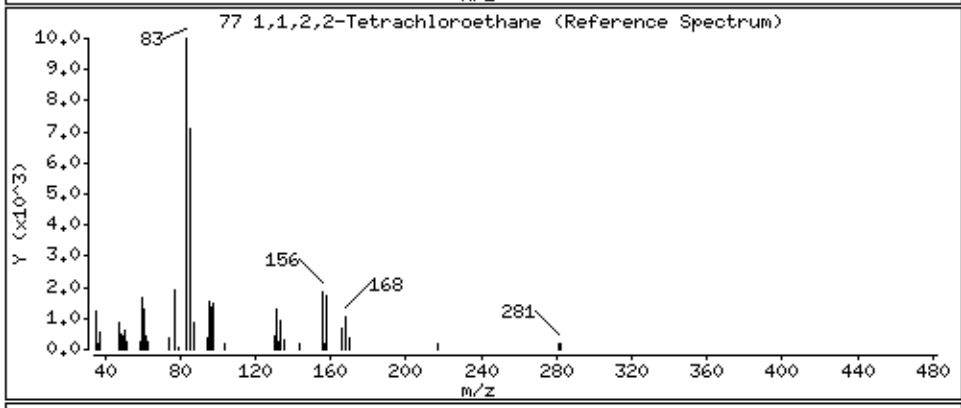
77 1,1,2,2-Tetrachloroethane

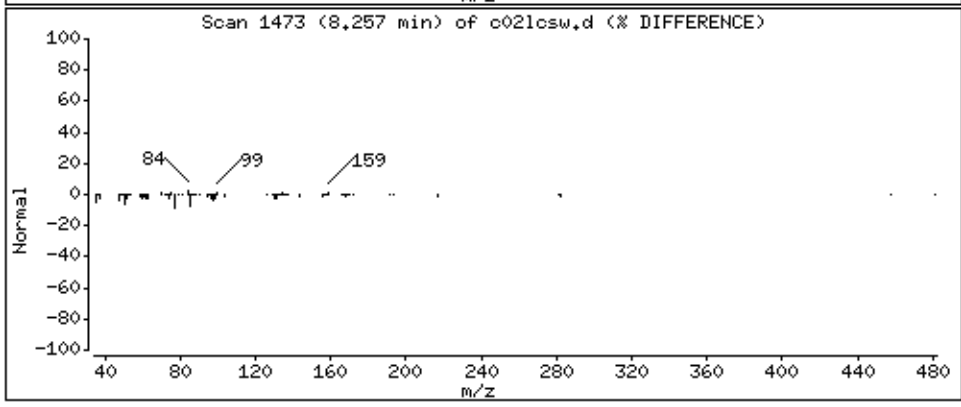
Concentration: 55.0 ppb

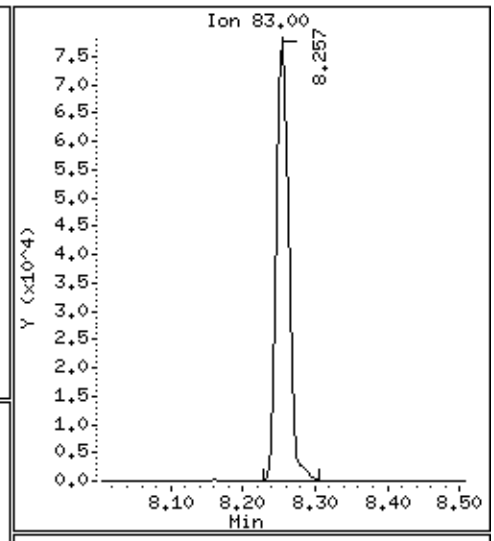
Review Code:

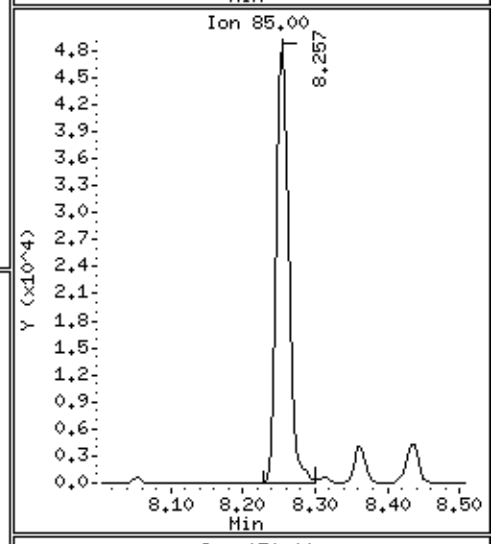


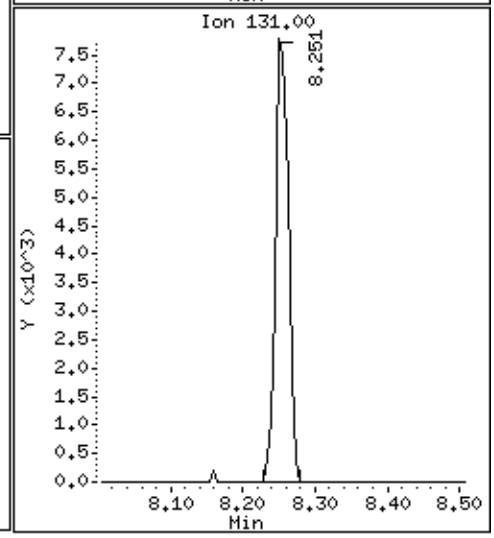












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

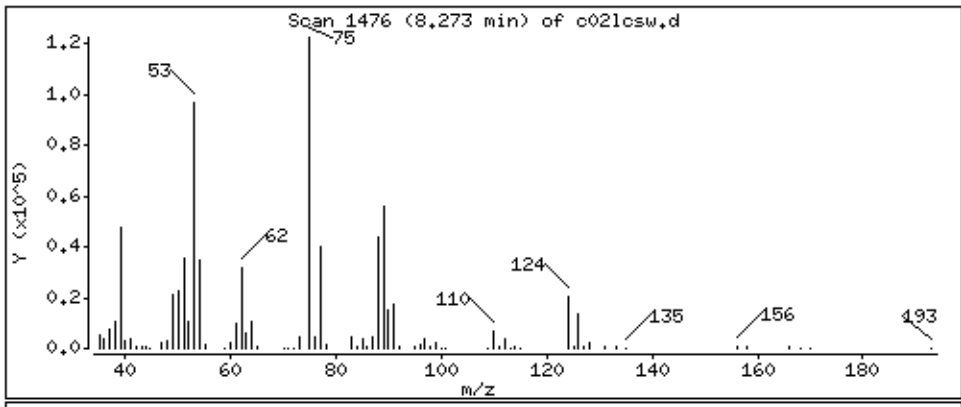
Column phase: DB-624

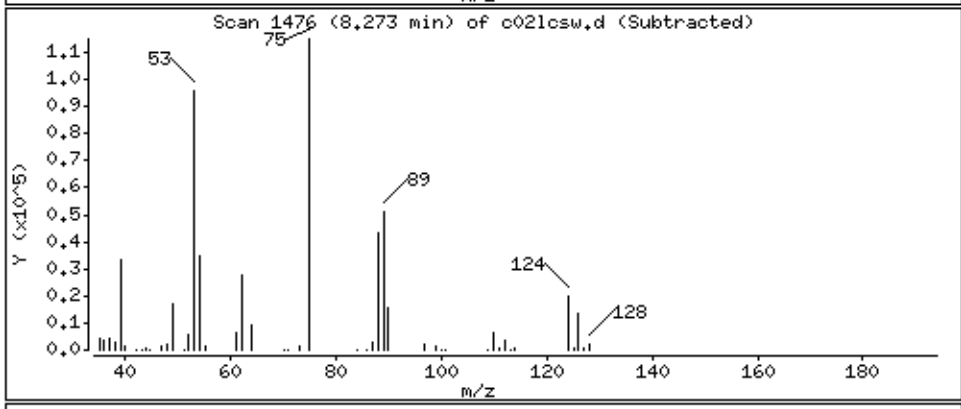
Column diameter: 0.18

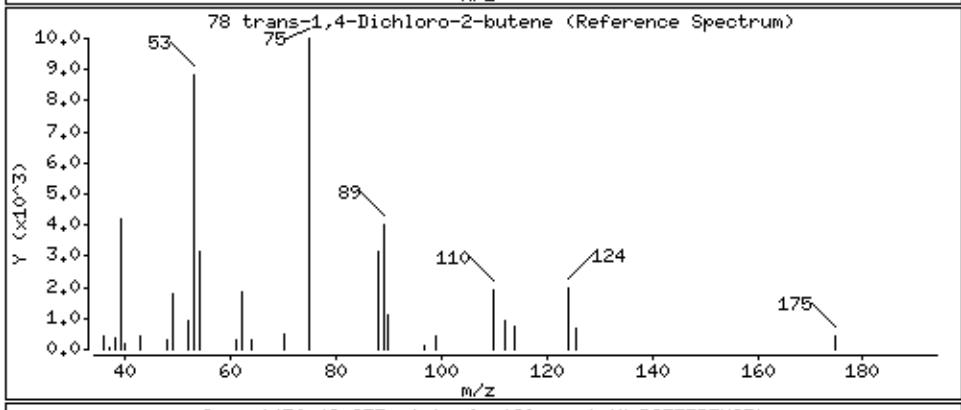
78 trans-1,4-Dichloro-2-butene

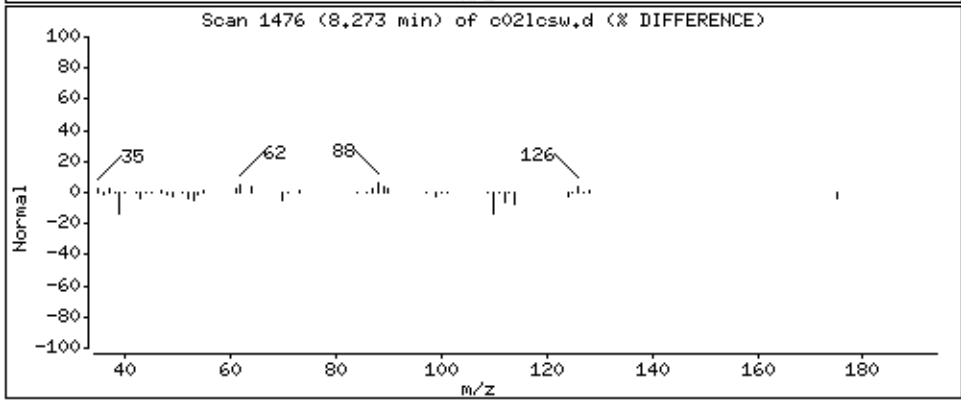
Concentration: 217 ppb

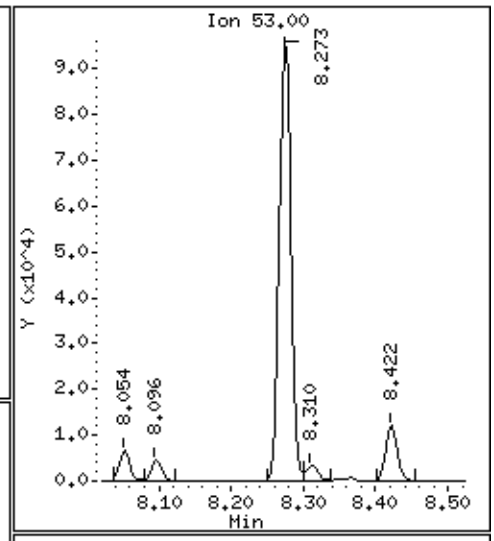
Review Code:

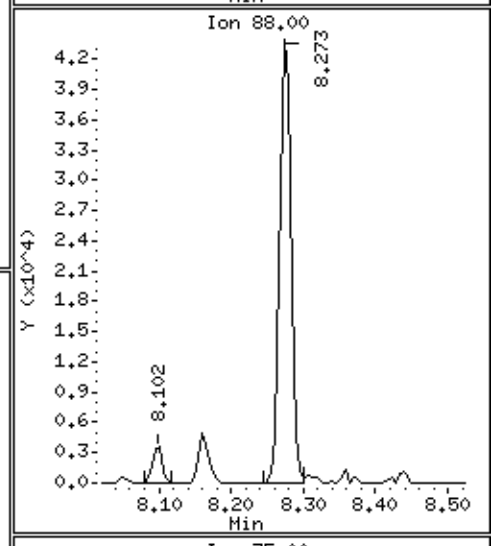


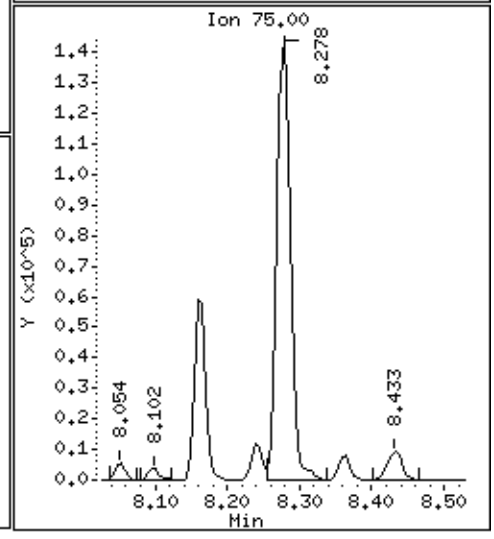












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

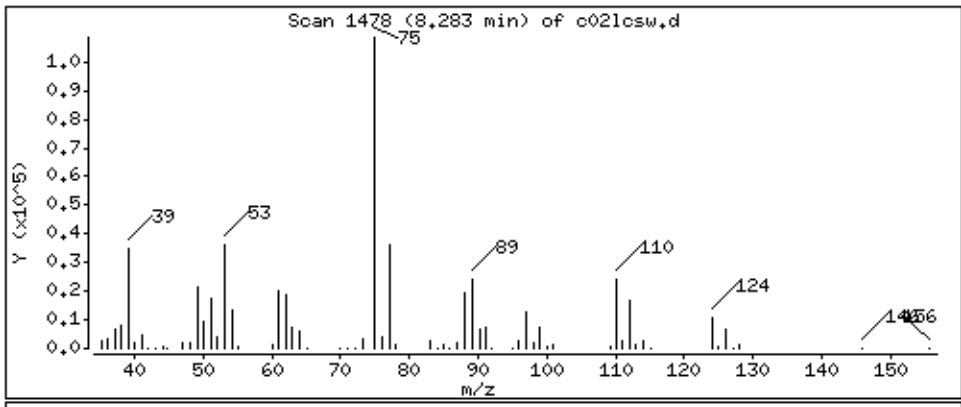
Column phase: DB-624

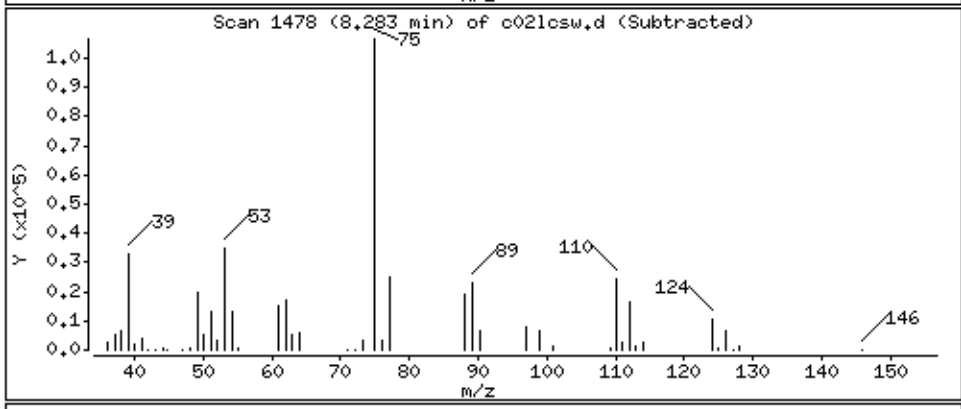
Column diameter: 0.18

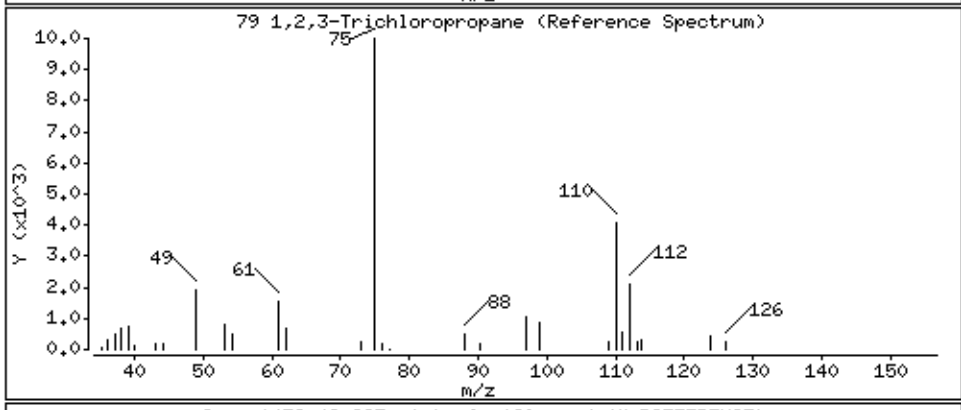
79 1,2,3-Trichloropropane

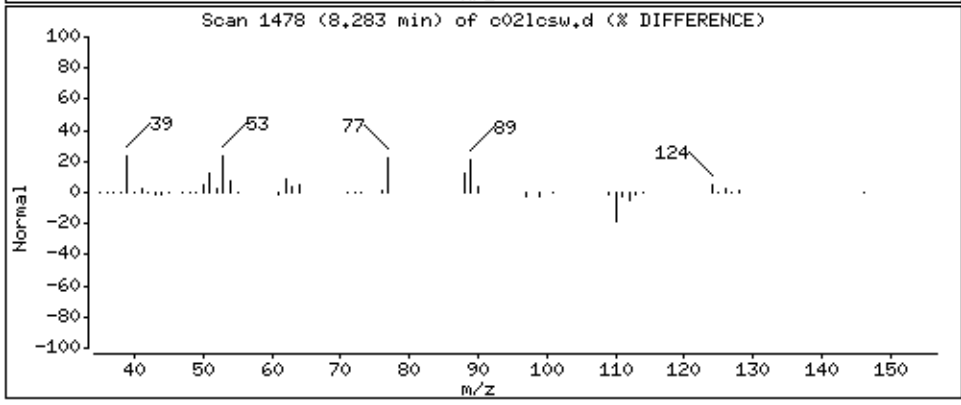
Concentration: 52.2 ppb

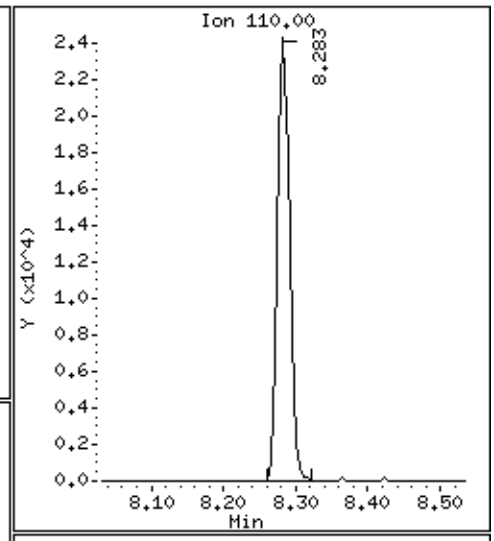
Review Code:

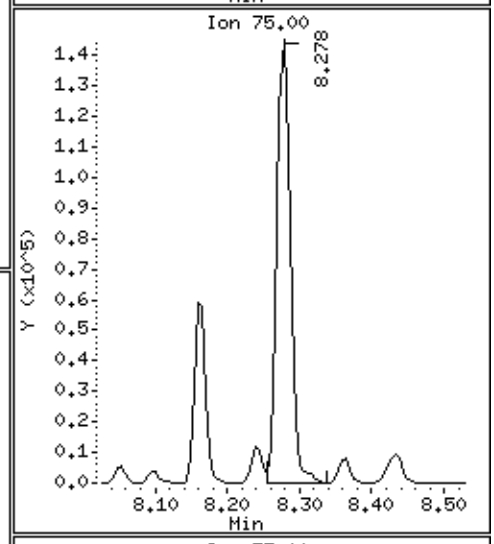


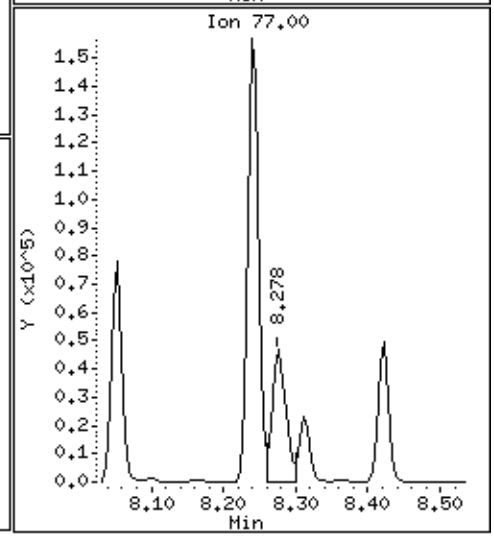












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

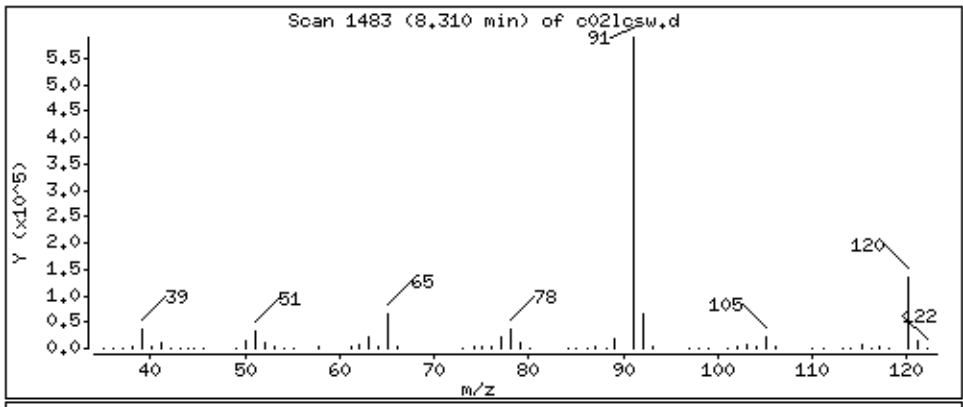
Column phase: DB-624

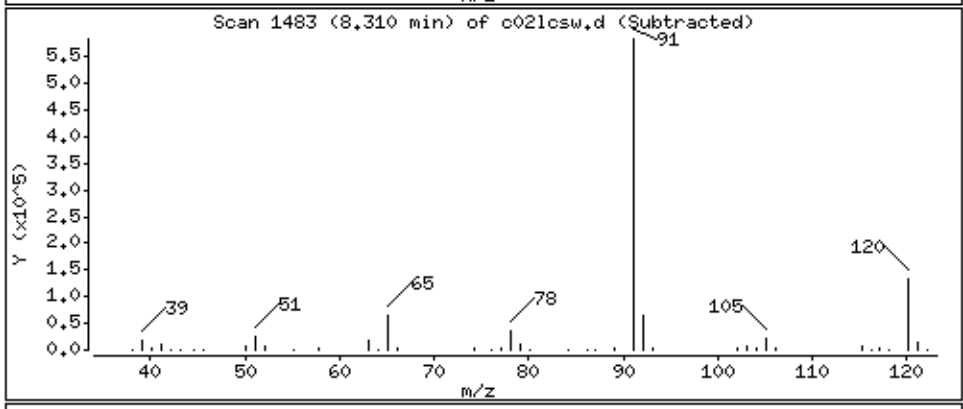
Column diameter: 0.18

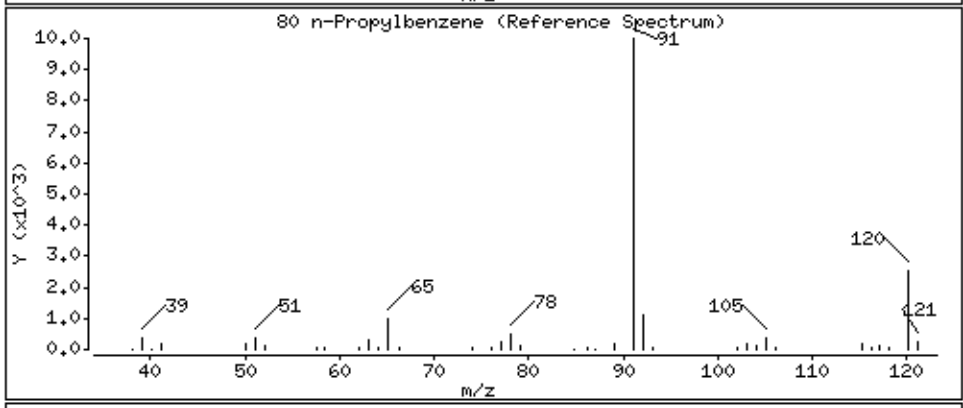
80 n-Propylbenzene

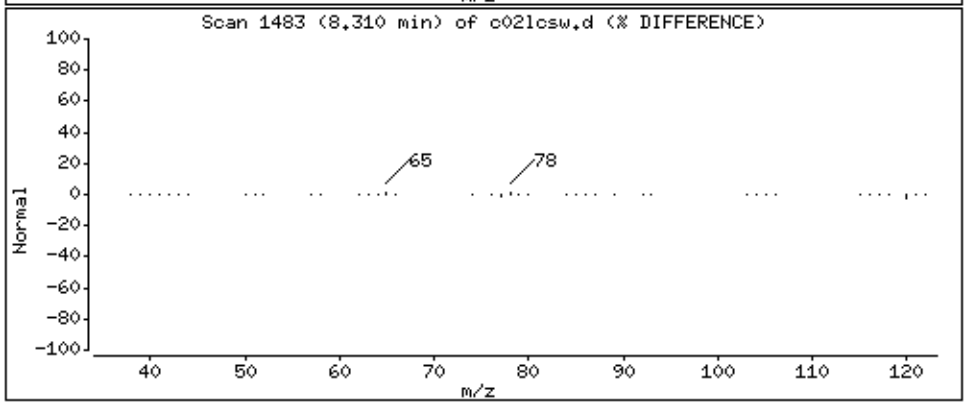
Concentration: 53.2 ppb

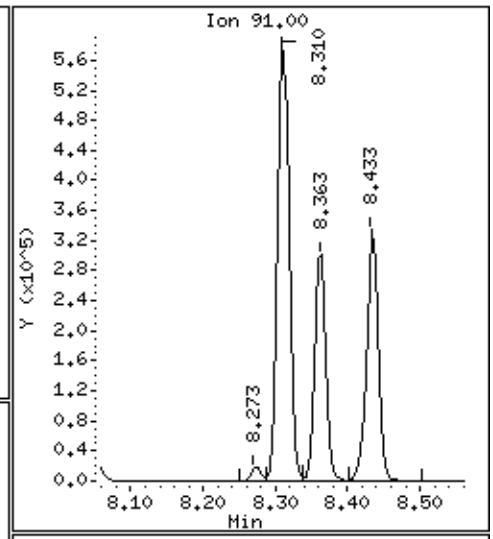
Review Code:

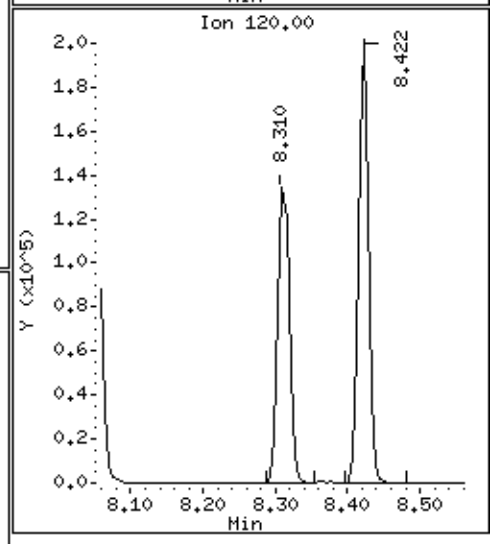












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

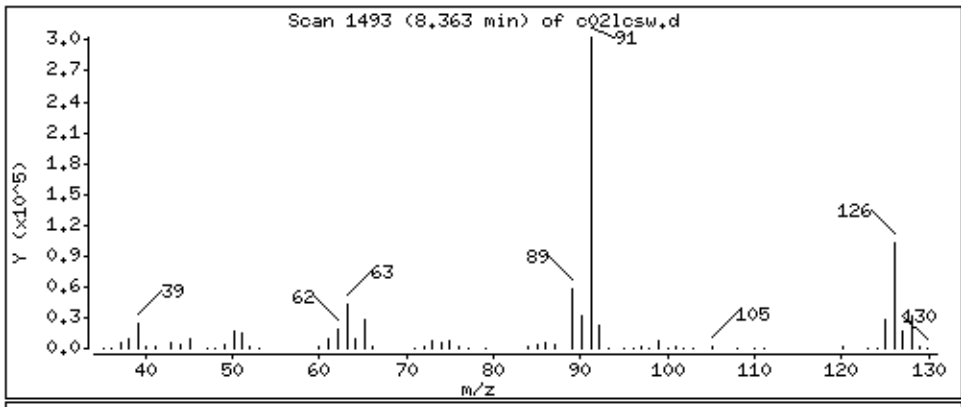
Column phase: DB-624

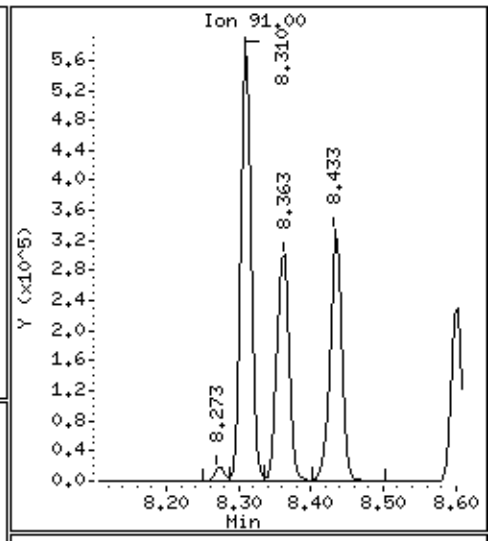
Column diameter: 0.18

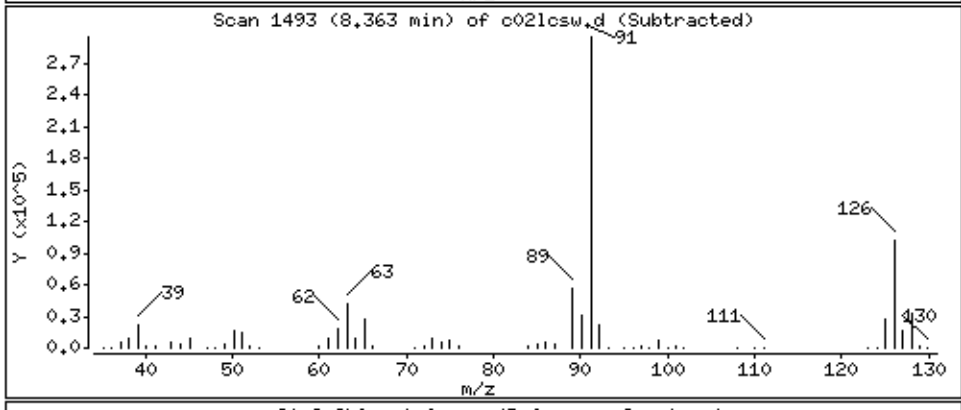
81 2-Chlorotoluene

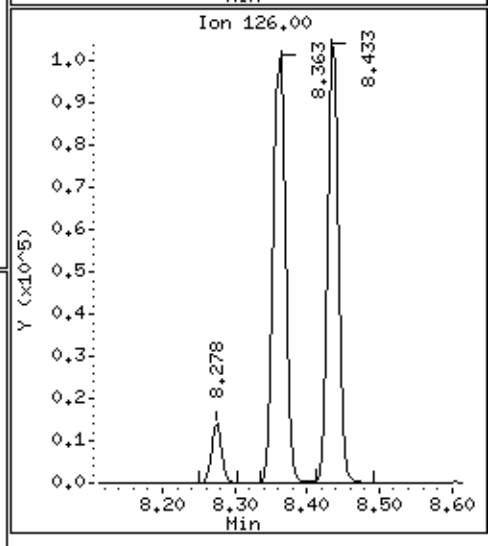
Concentration: 53.6 ppb

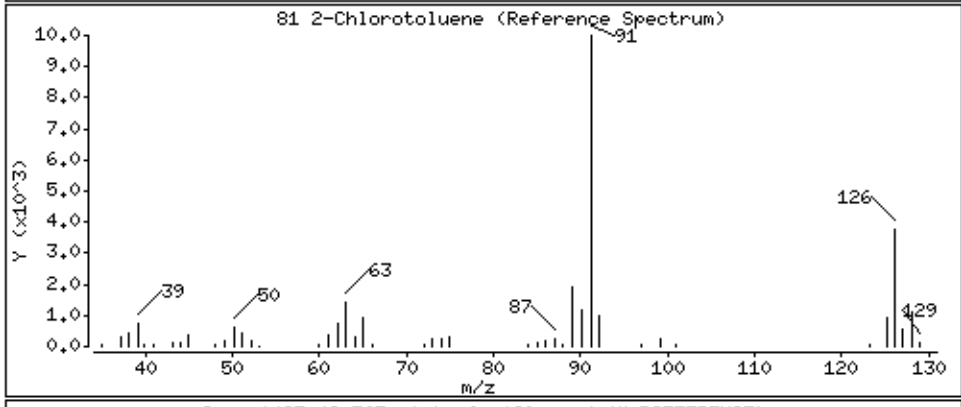
Review Code:

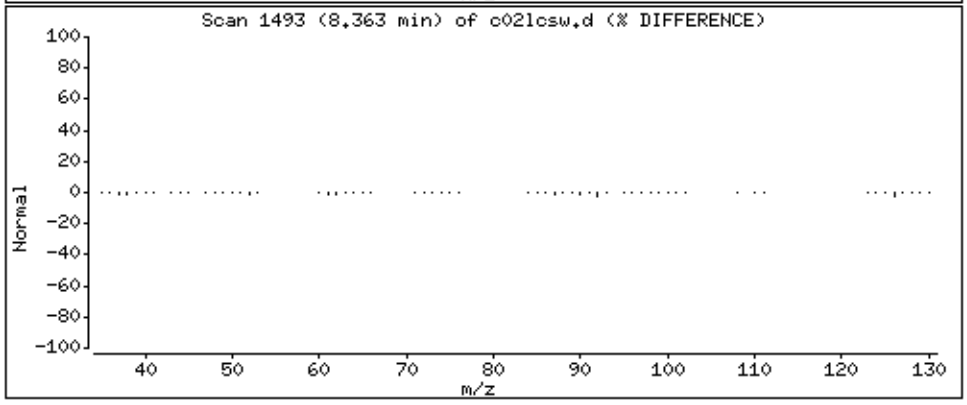












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

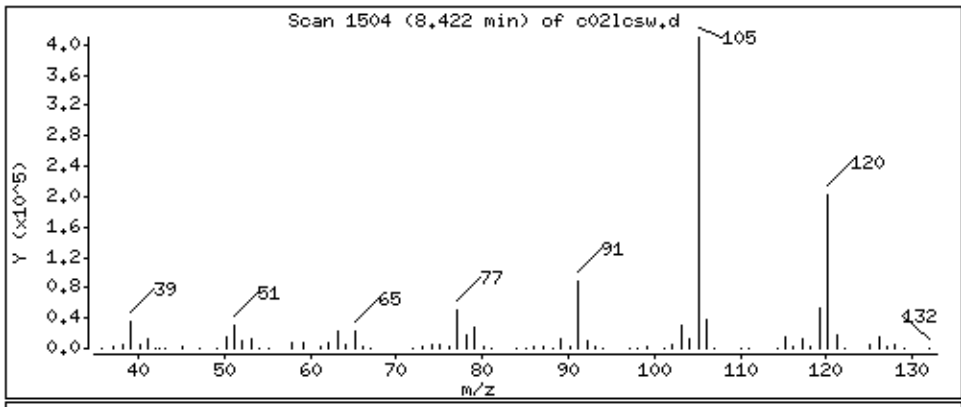
Column phase: DB-624

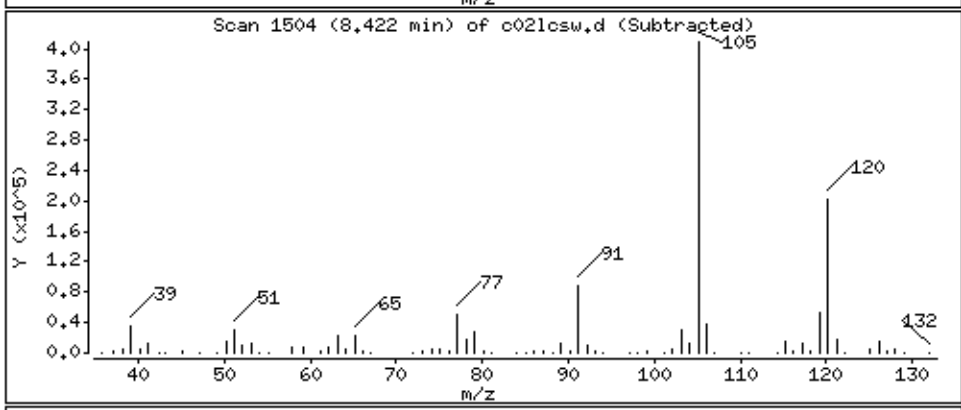
Column diameter: 0.18

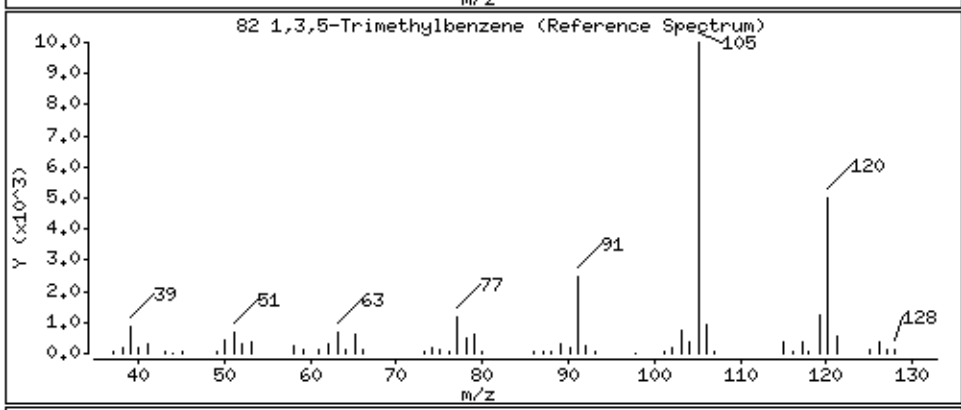
82 1,3,5-Trimethylbenzene

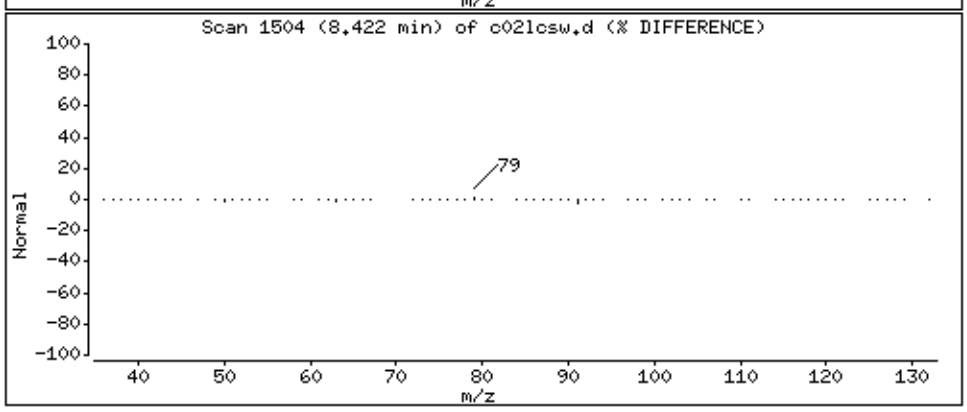
Concentration: 53.0 ppb

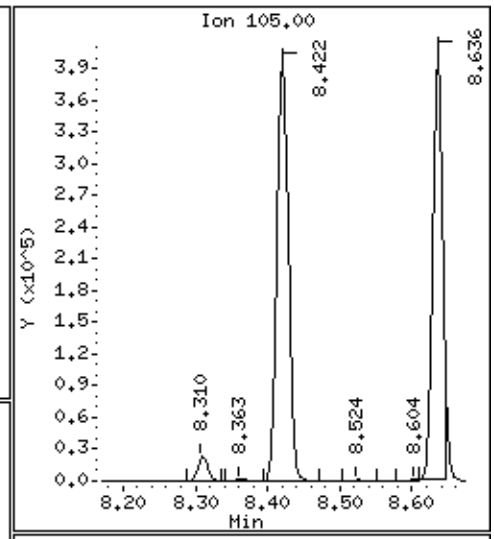
Review Code:

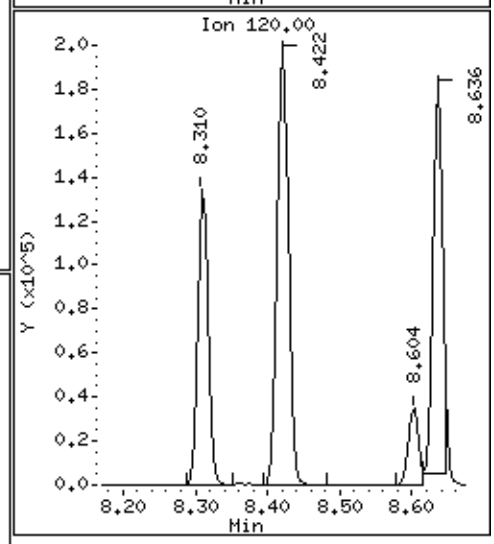












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

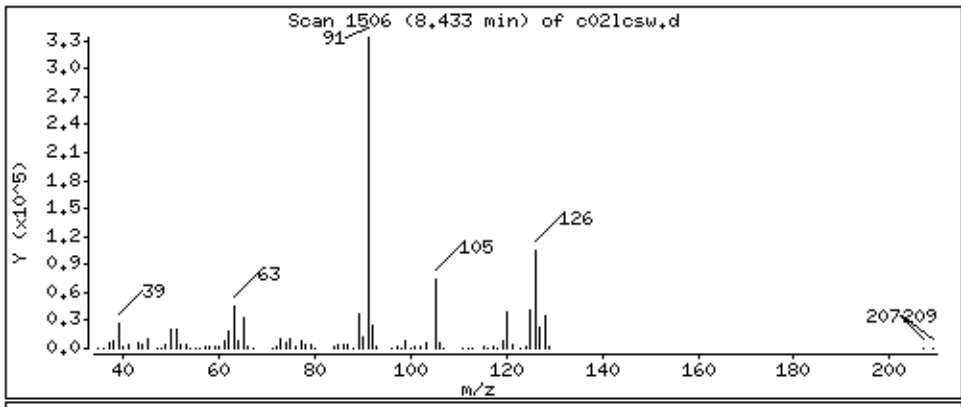
Column phase: DB-624

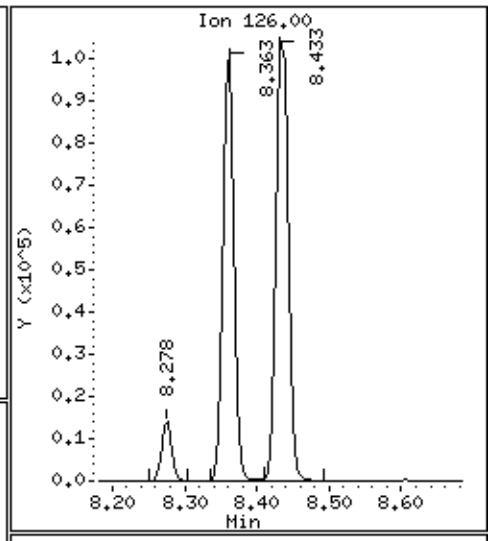
Column diameter: 0.18

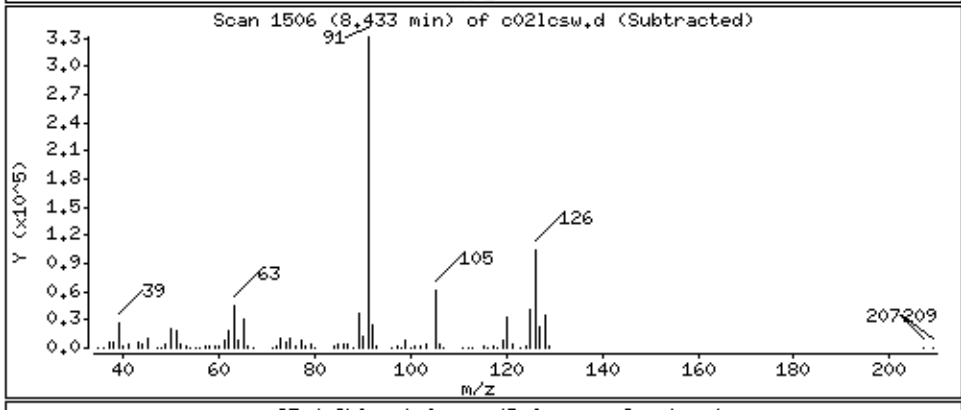
83 4-Chlorotoluene

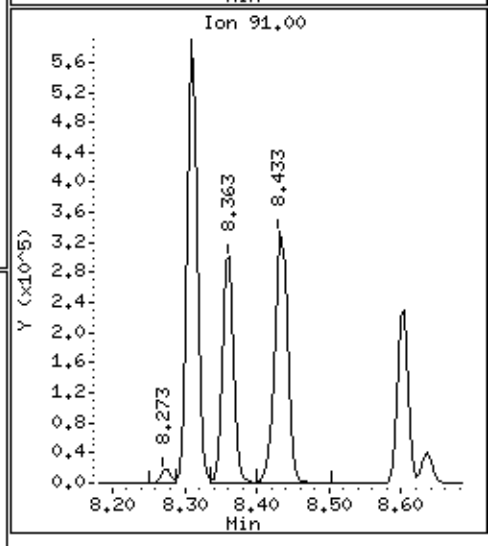
Concentration: 51.0 ppb

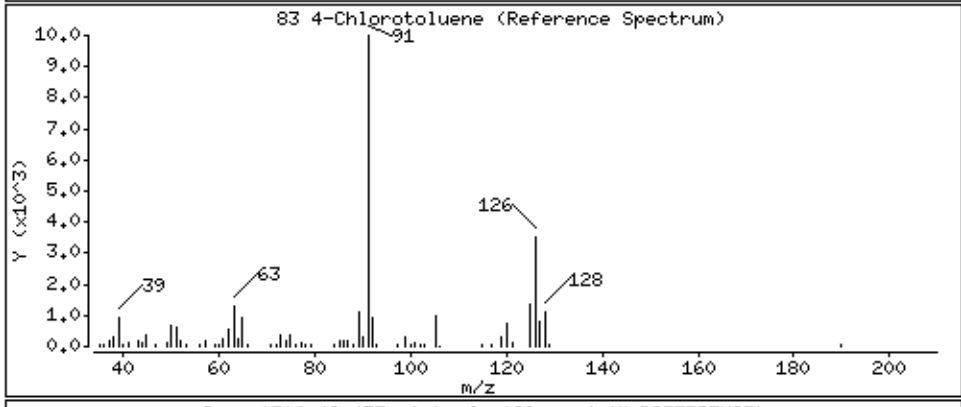
Review Code:

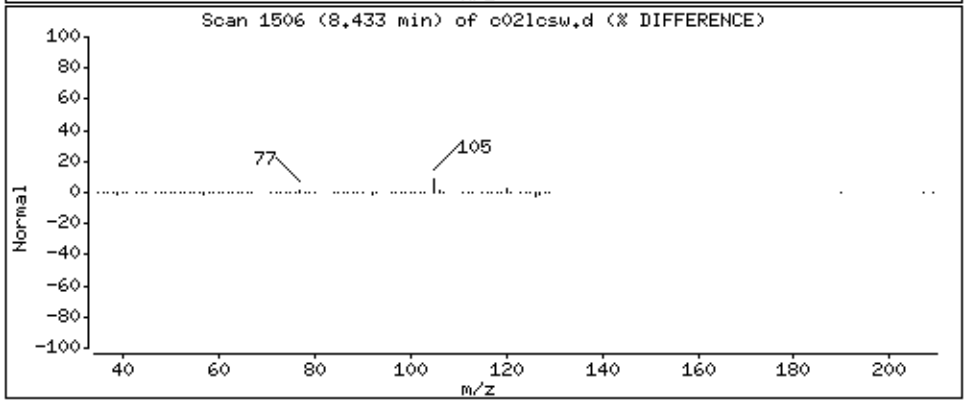












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

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Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

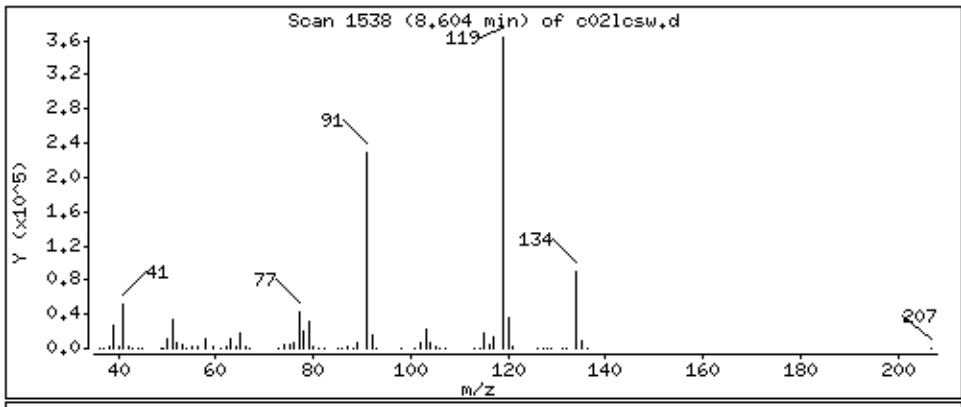
Column phase: DB-624

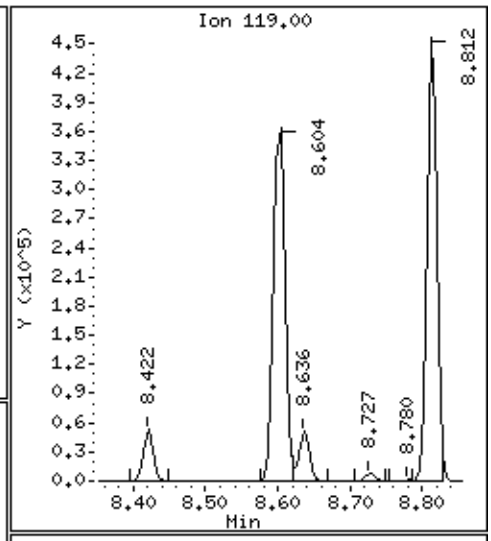
Column diameter: 0.18

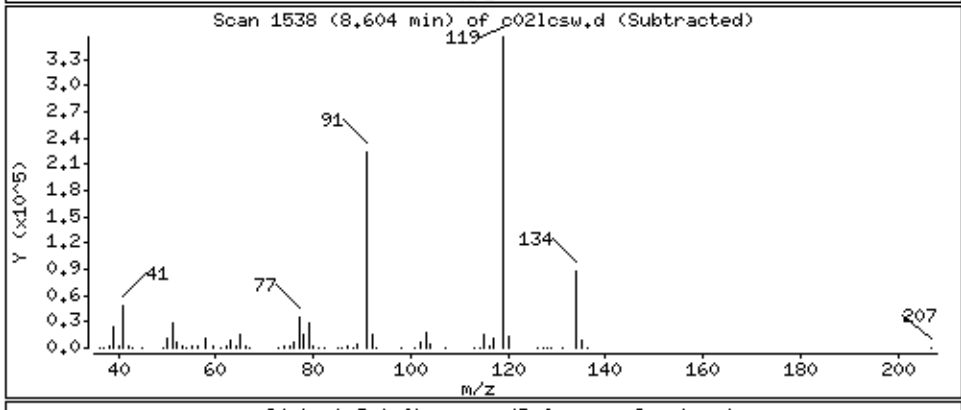
84 tert-Butylbenzene

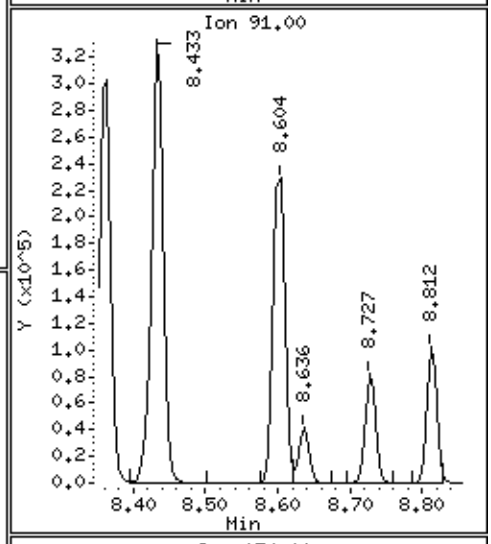
Concentration: 43.1 ppb

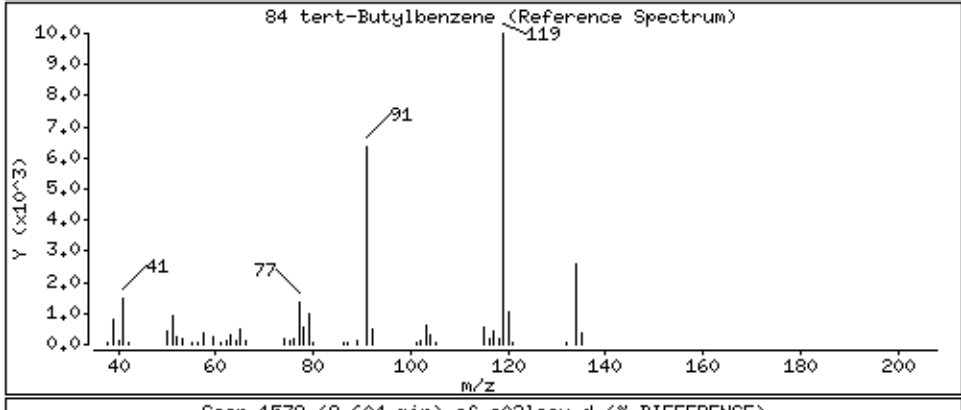
Review Code:

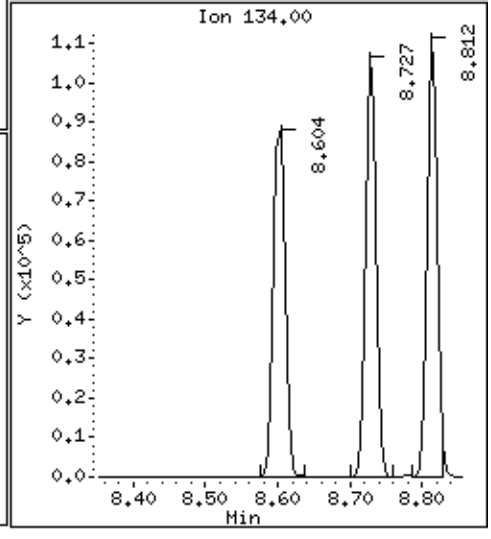


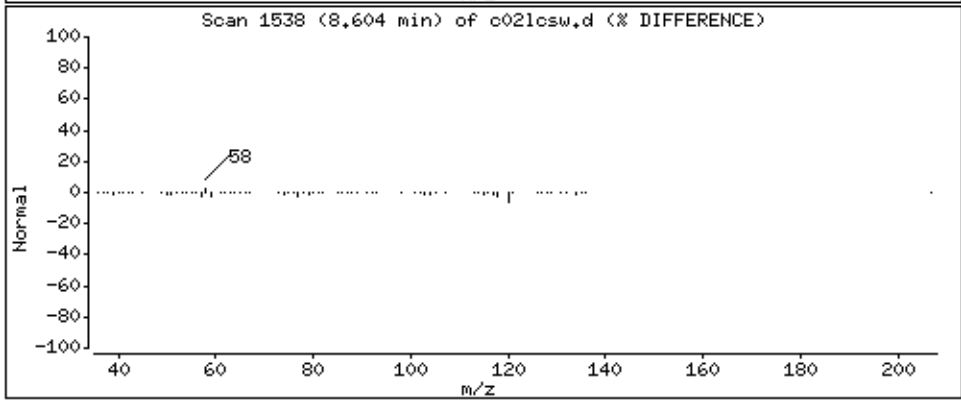












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

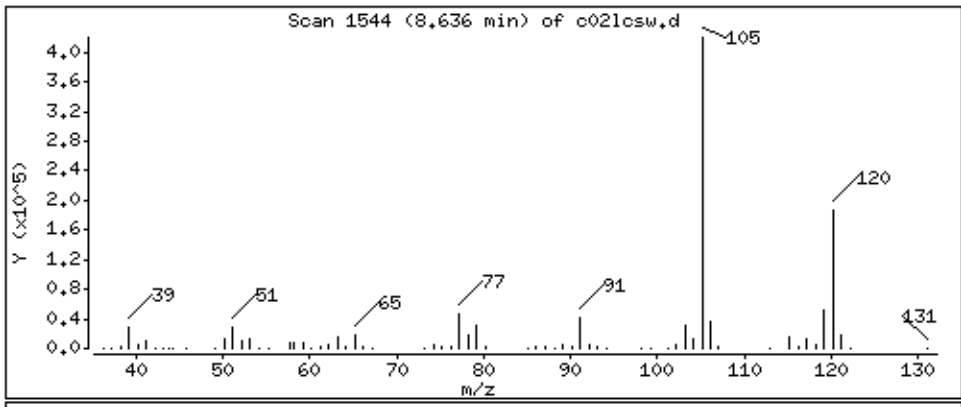
Column phase: DB-624

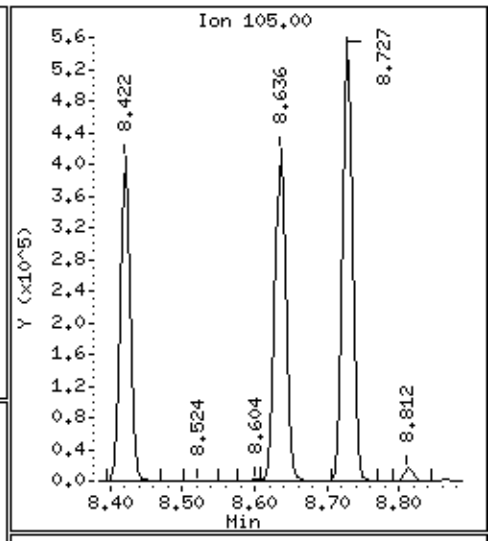
Column diameter: 0.18

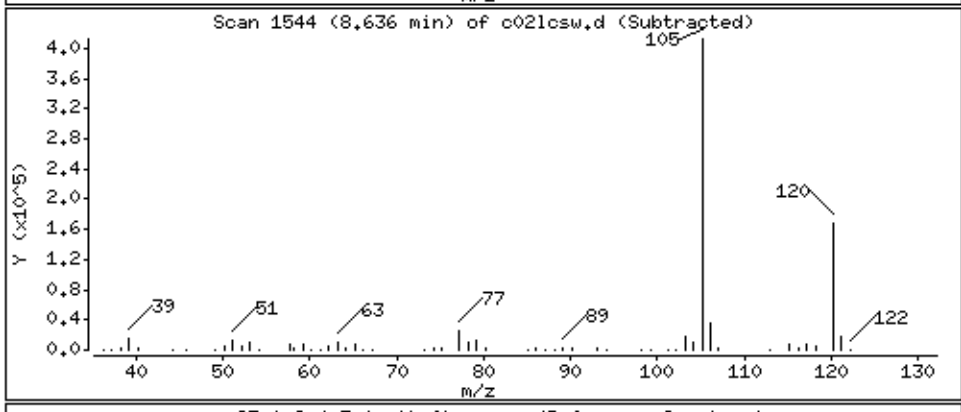
85 1,2,4-Trimethylbenzene

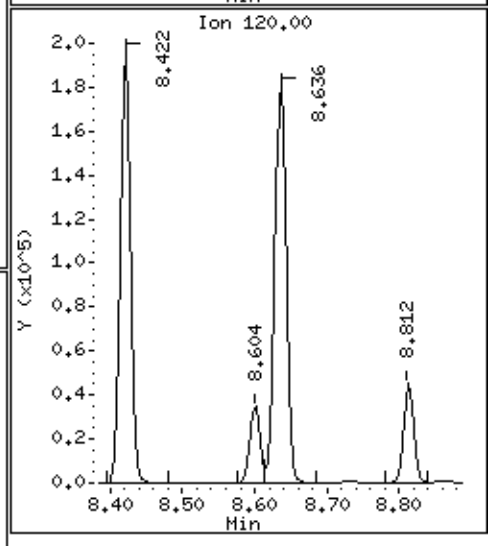
Concentration: 53.3 ppb

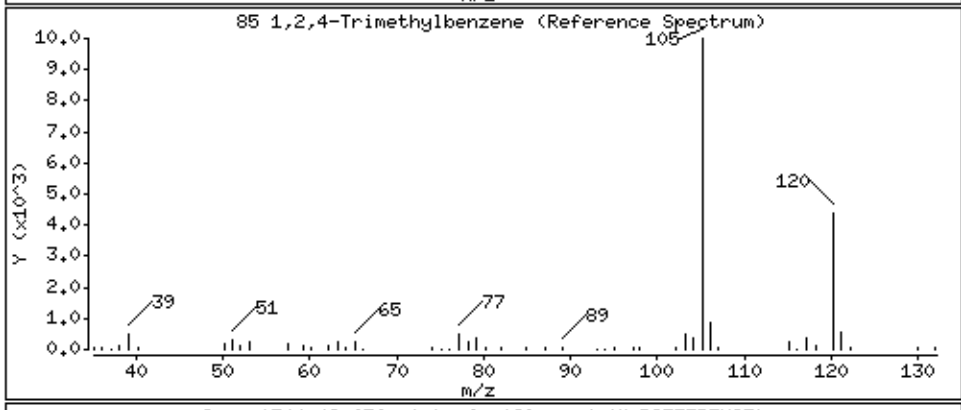
Review Code:

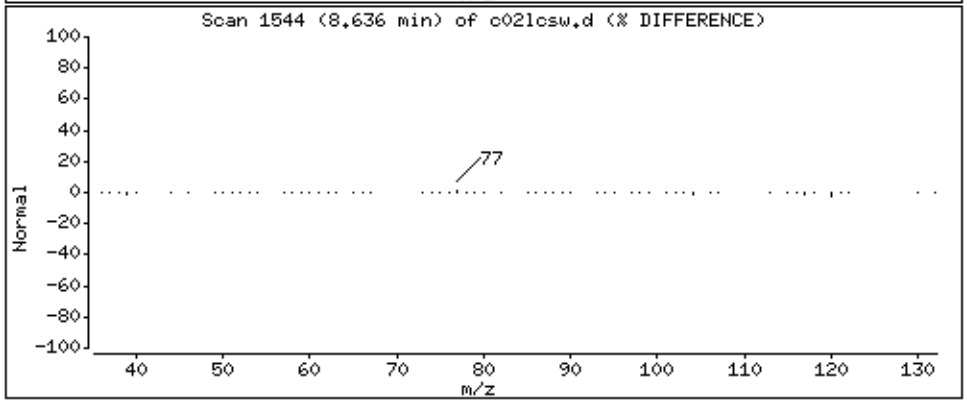












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

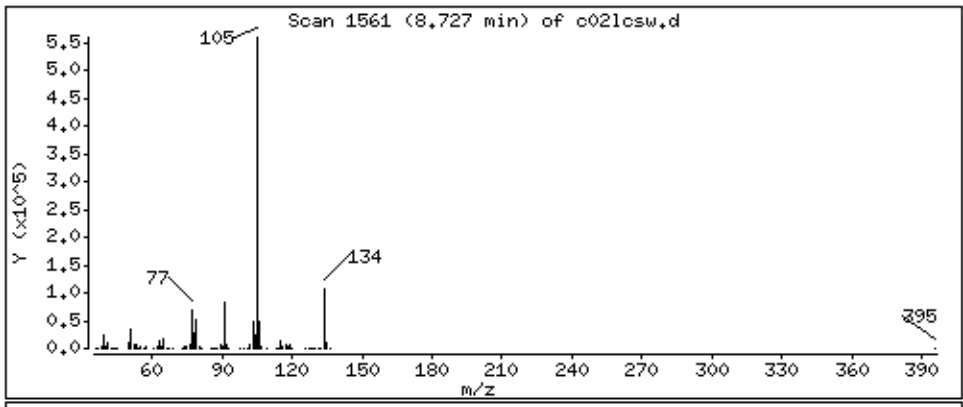
Column phase: DB-624

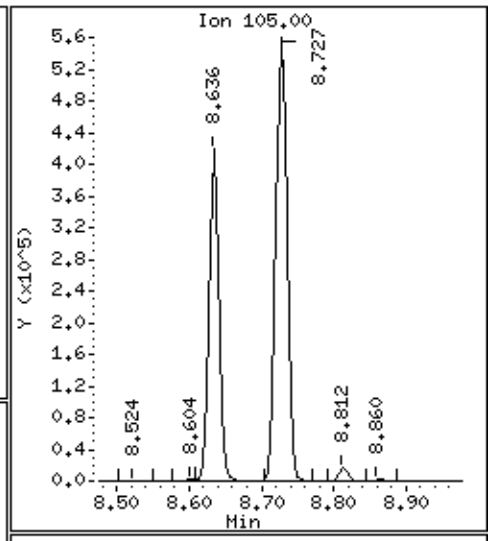
Column diameter: 0.18

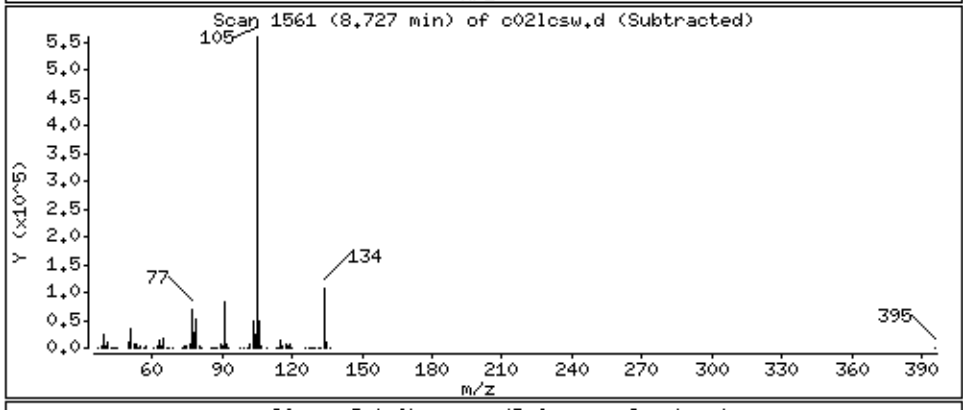
86 sec-Butylbenzene

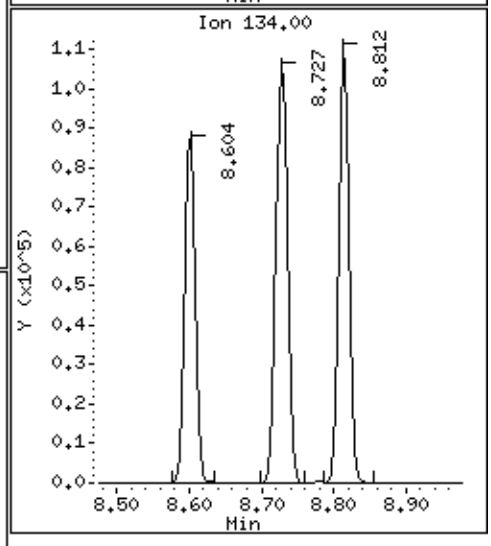
Concentration: 54.1 ppb

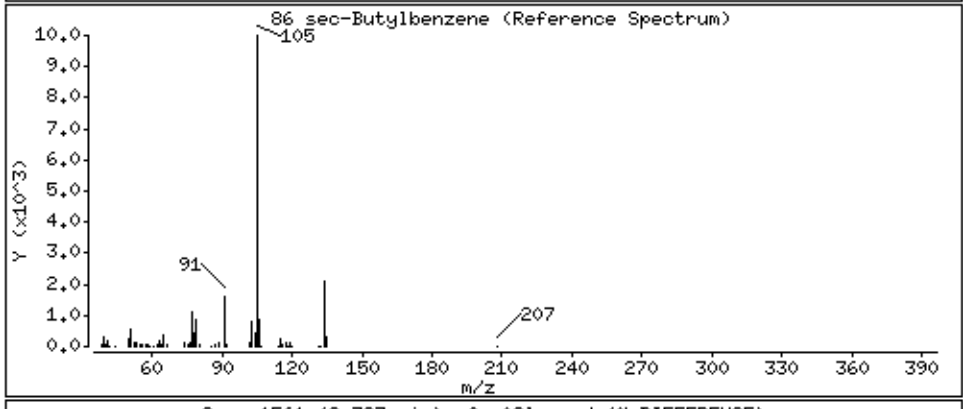
Review Code:

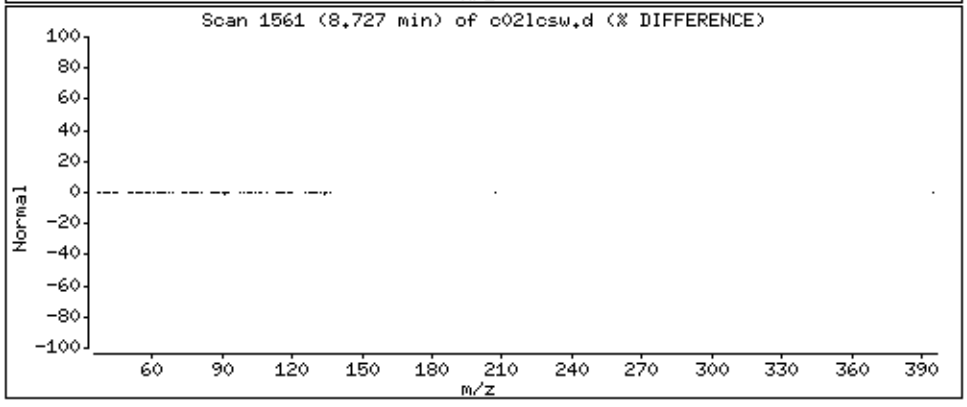












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

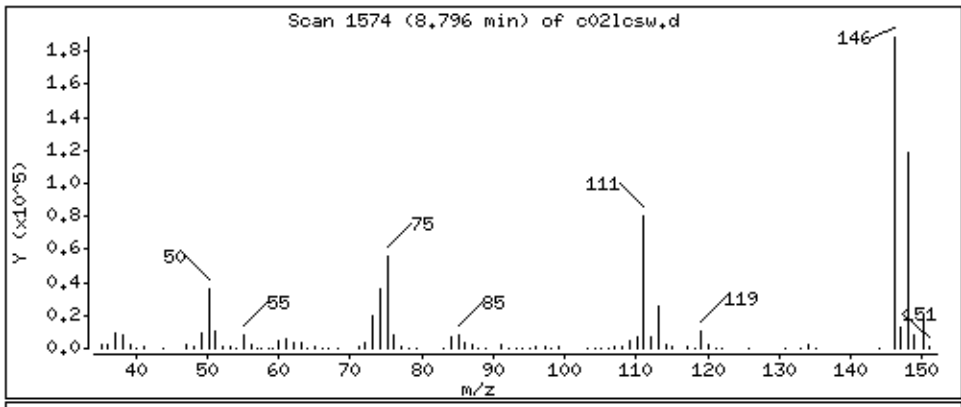
Column phase: DB-624

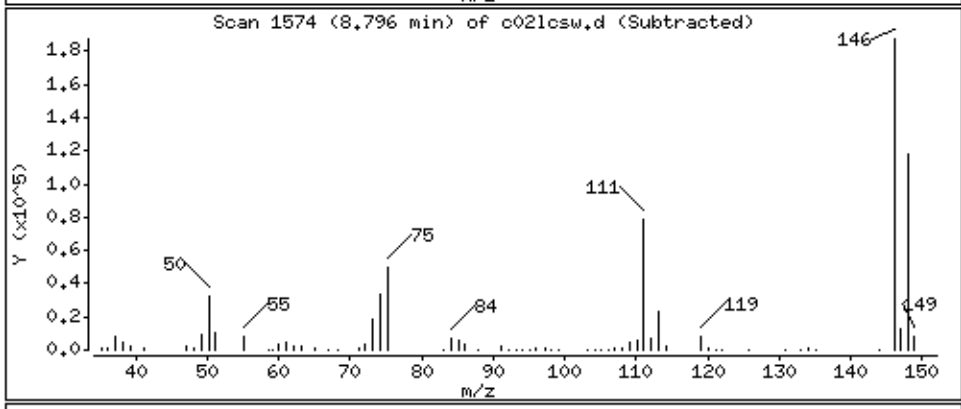
Column diameter: 0.18

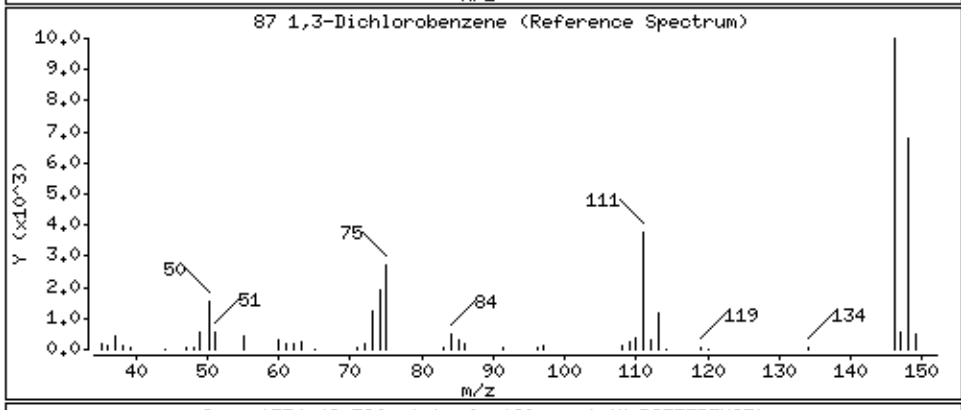
87 1,3-Dichlorobenzene

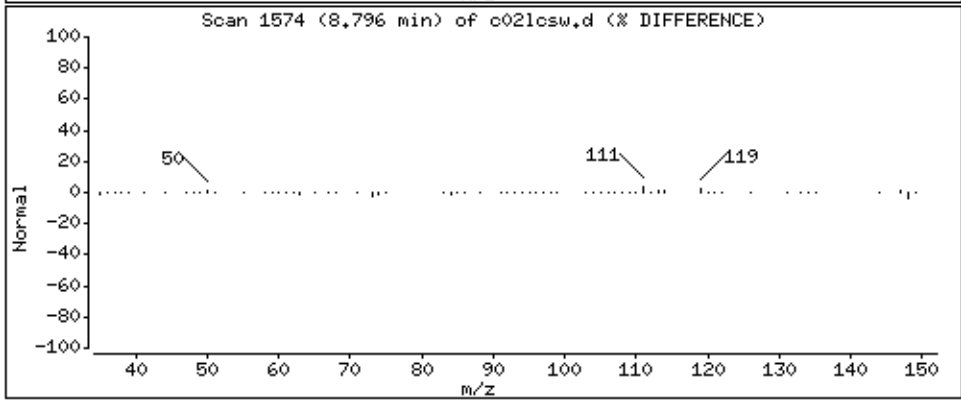
Concentration: 47.7 ppb

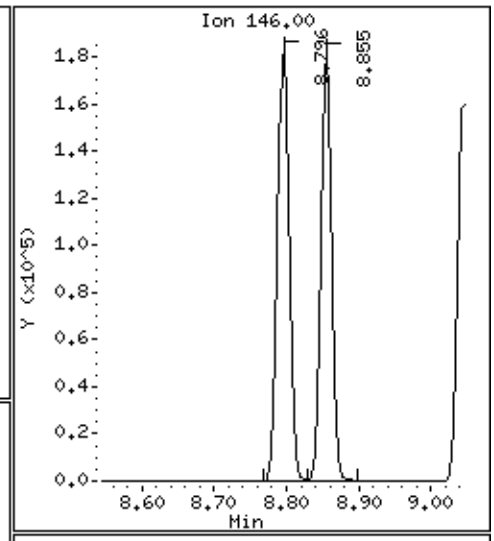
Review Code:

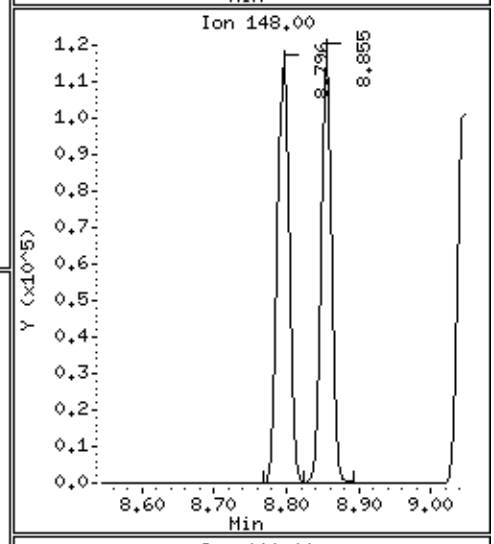


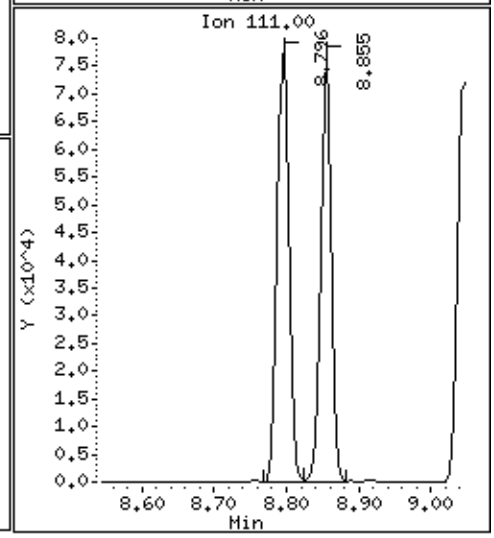












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

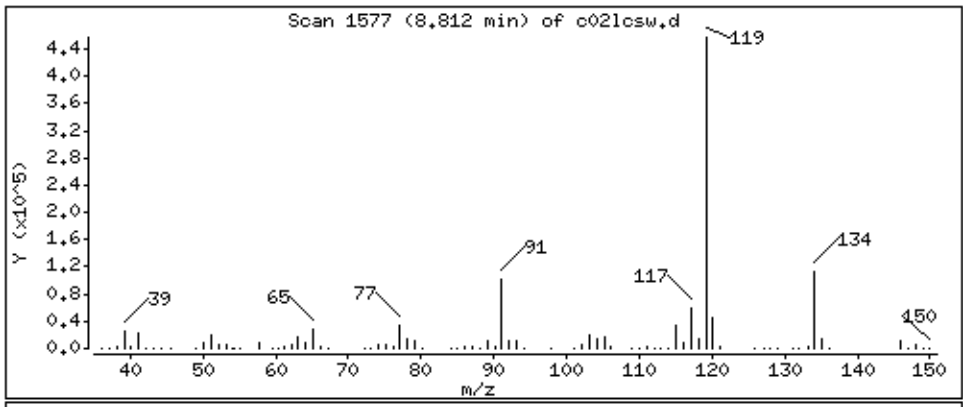
Column phase: DB-624

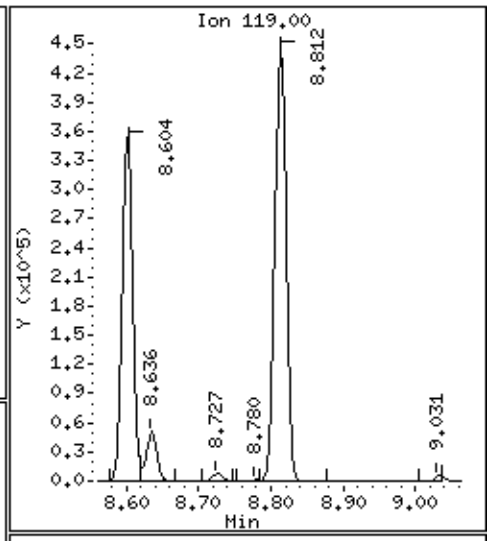
Column diameter: 0.18

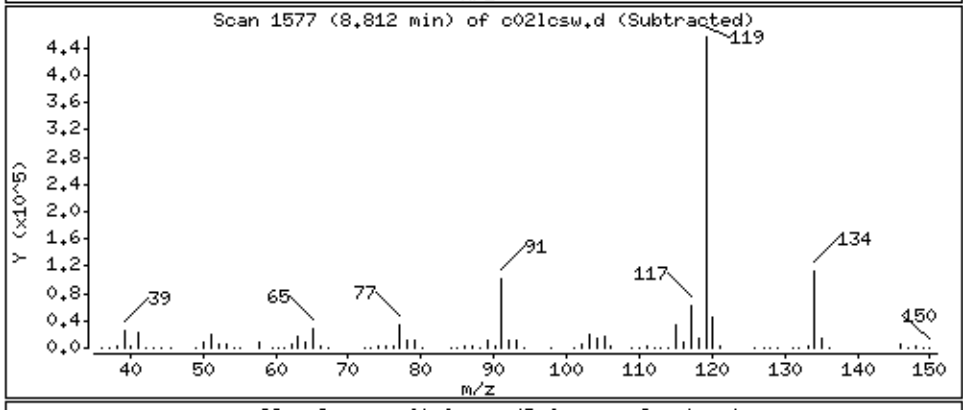
88 p-Isopropyltoluene

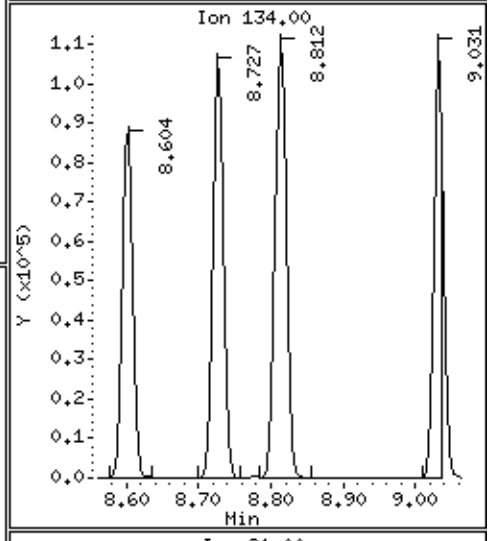
Concentration: 52.4 ppb

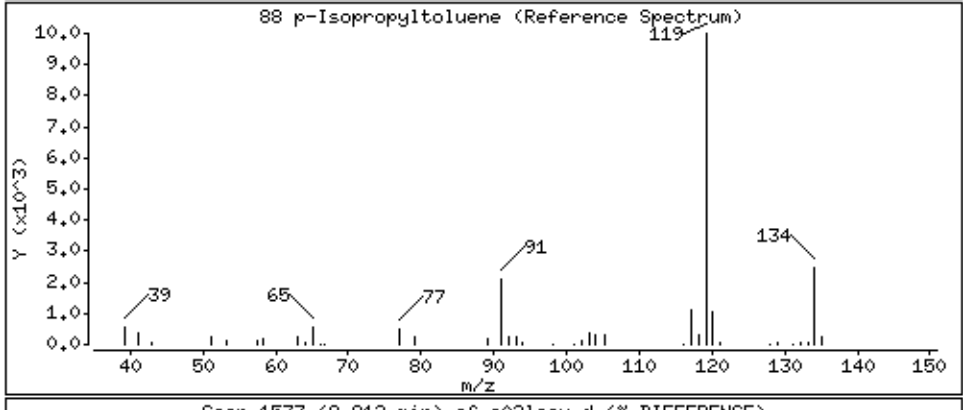
Review Code:

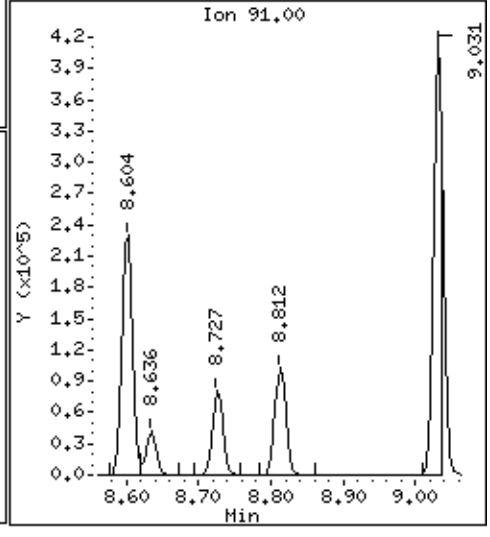


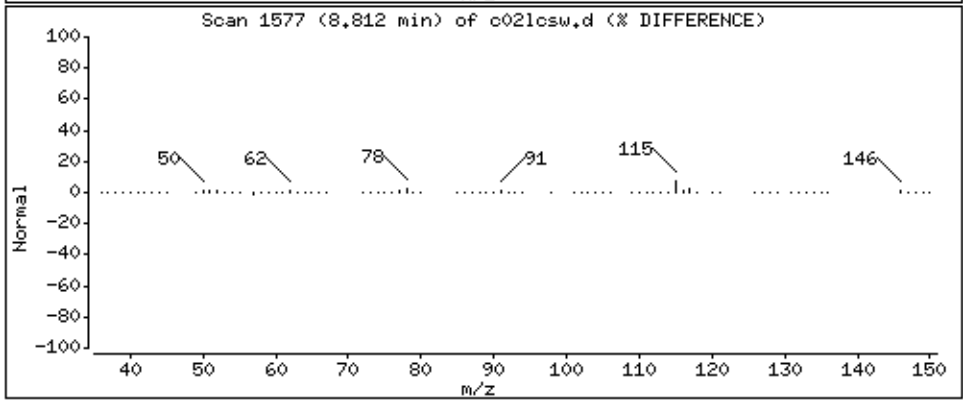












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

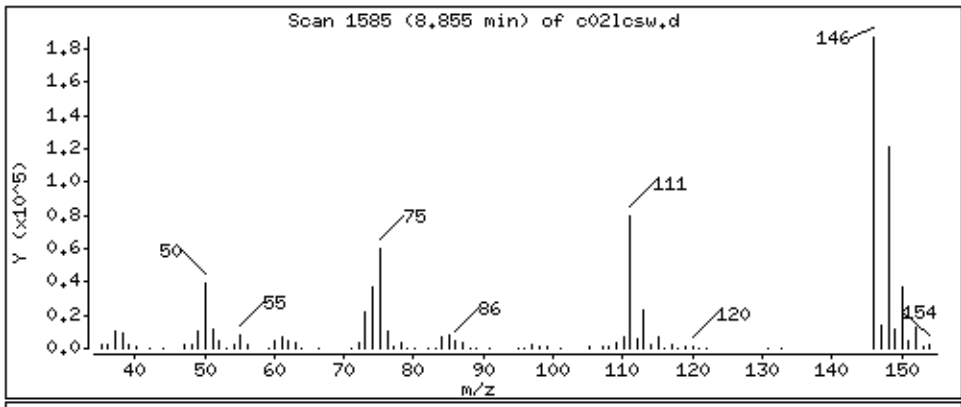
Column phase: DB-624

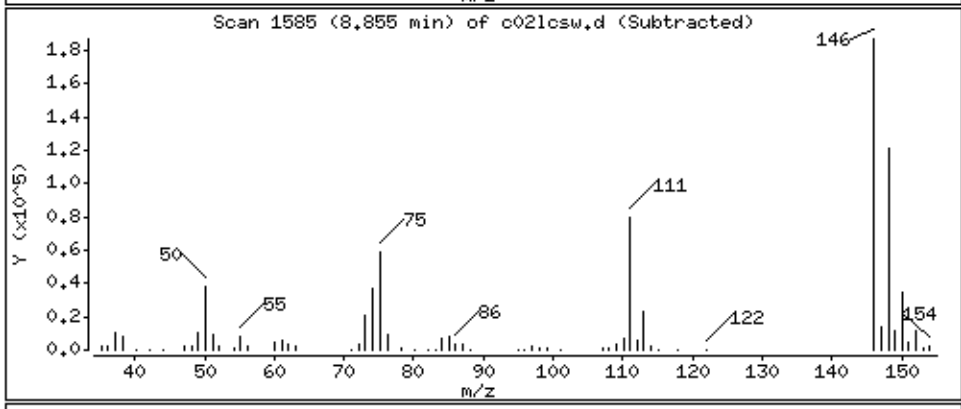
Column diameter: 0.18

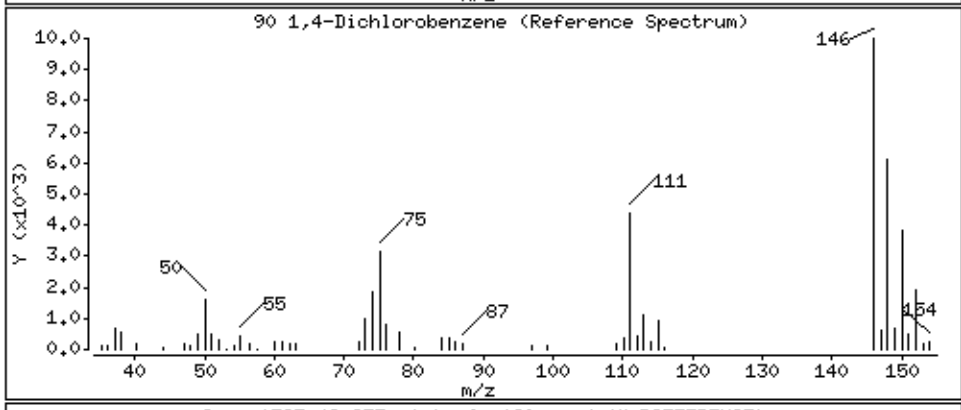
90 1,4-Dichlorobenzene

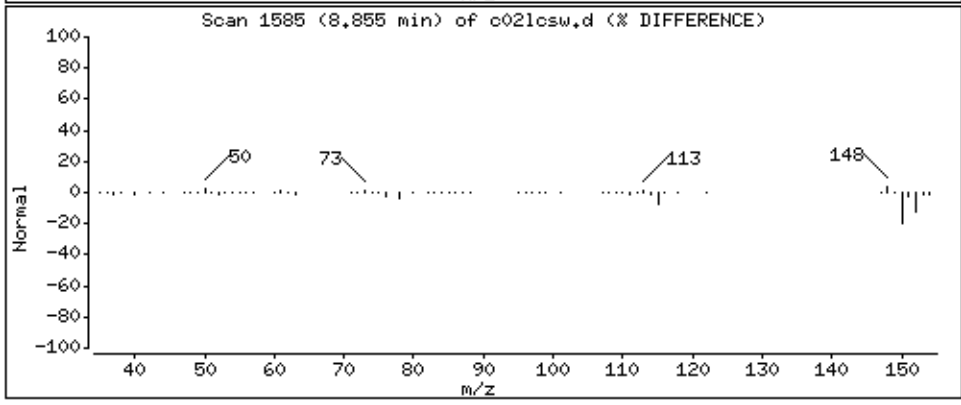
Concentration: 46.3 ppb

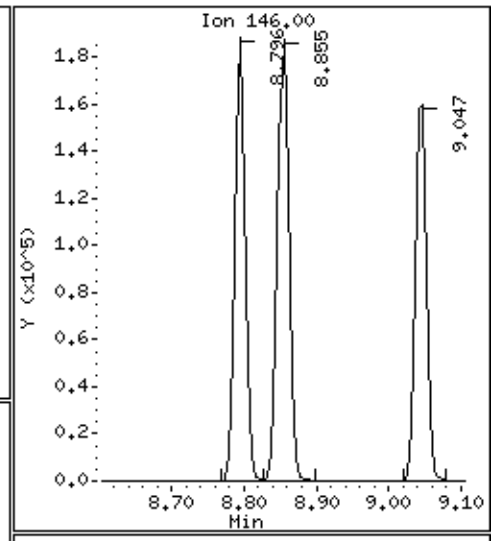
Review Code:

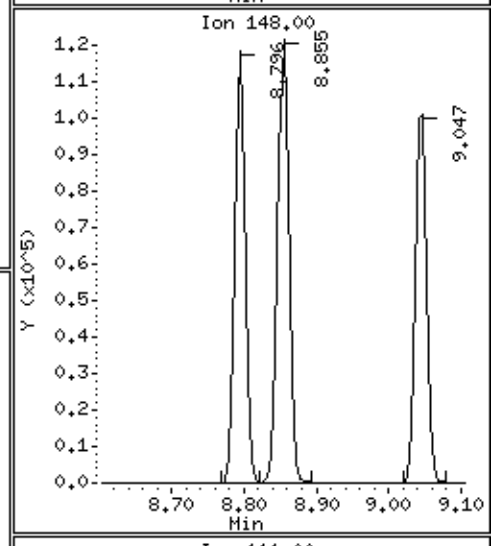


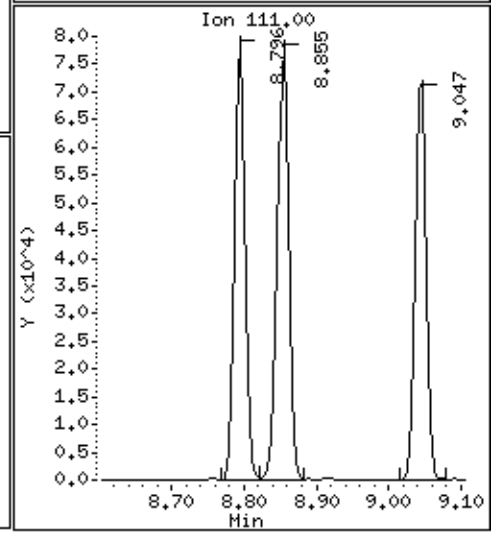












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

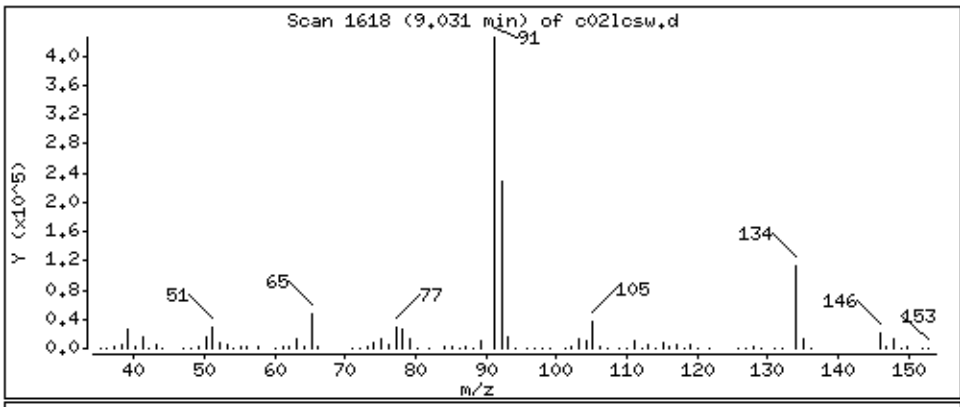
Column phase: DB-624

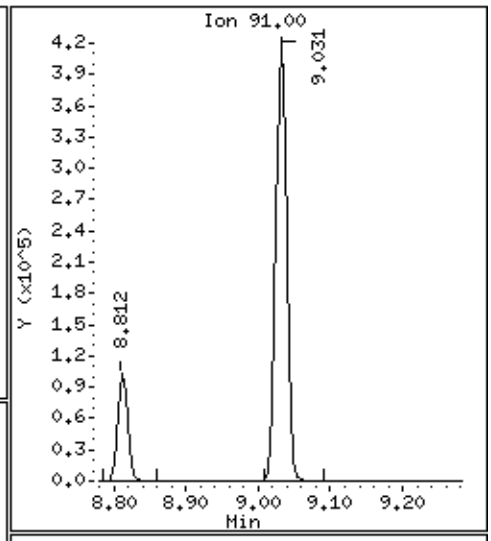
Column diameter: 0.18

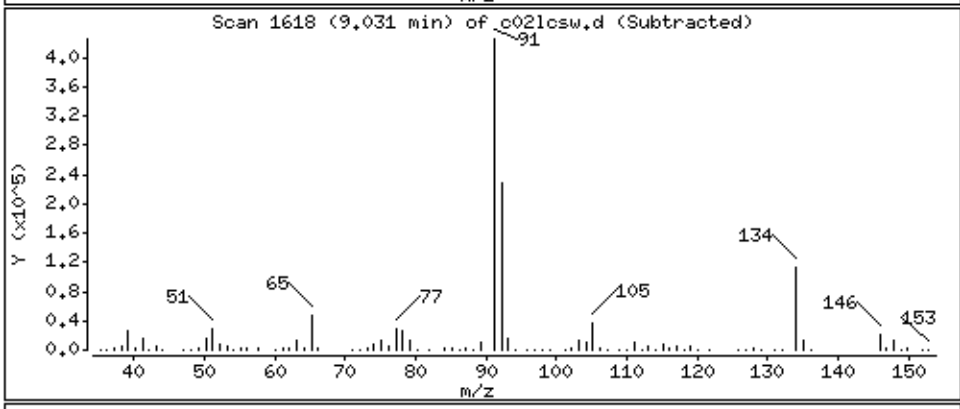
91 n-Butylbenzene

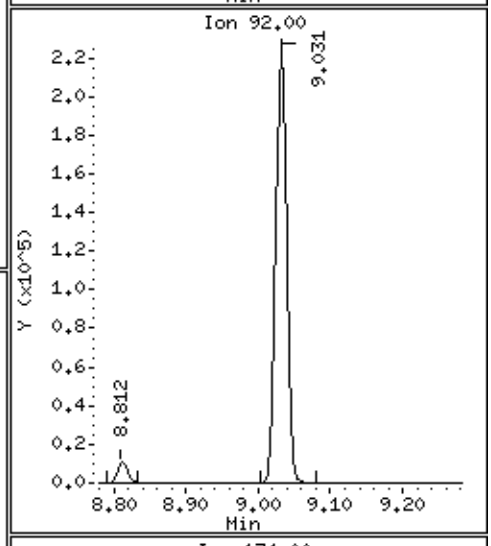
Concentration: 52.0 ppb

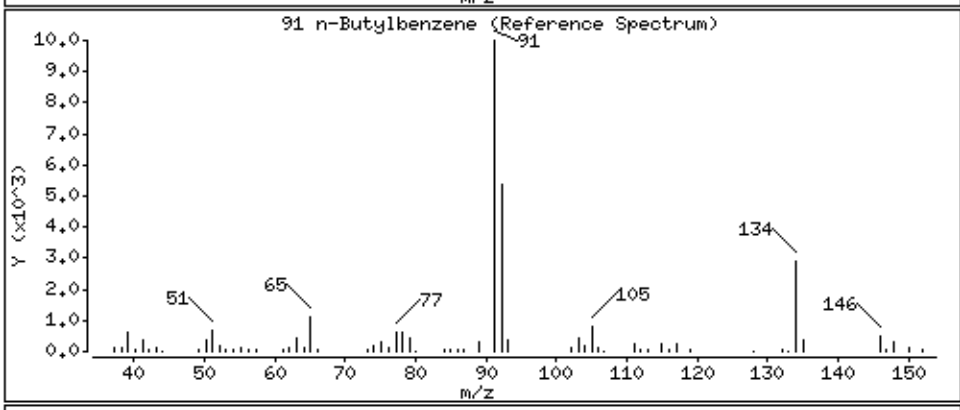
Review Code:

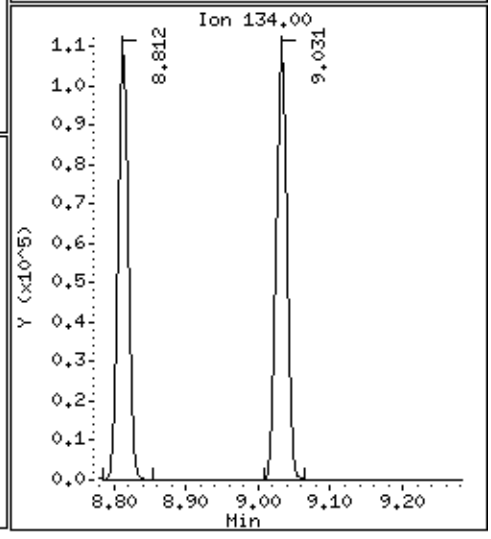


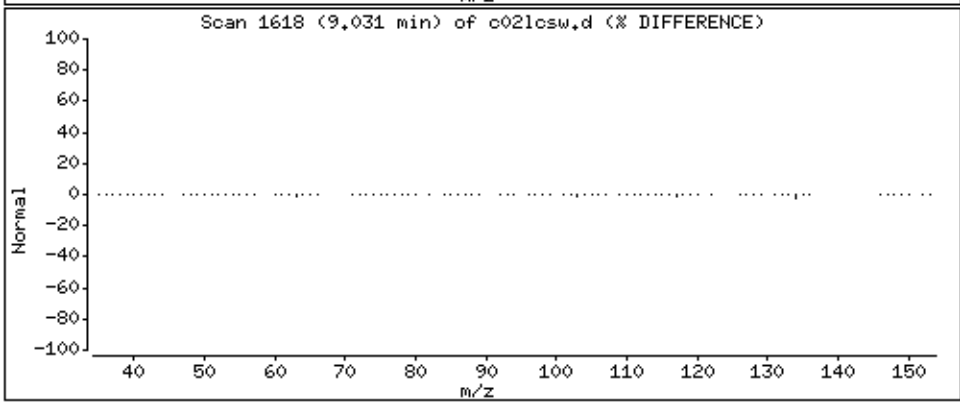












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

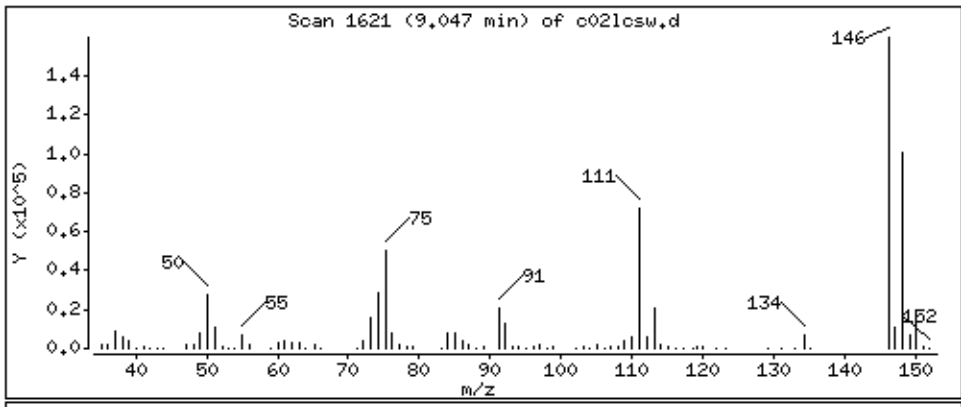
Column phase: DB-624

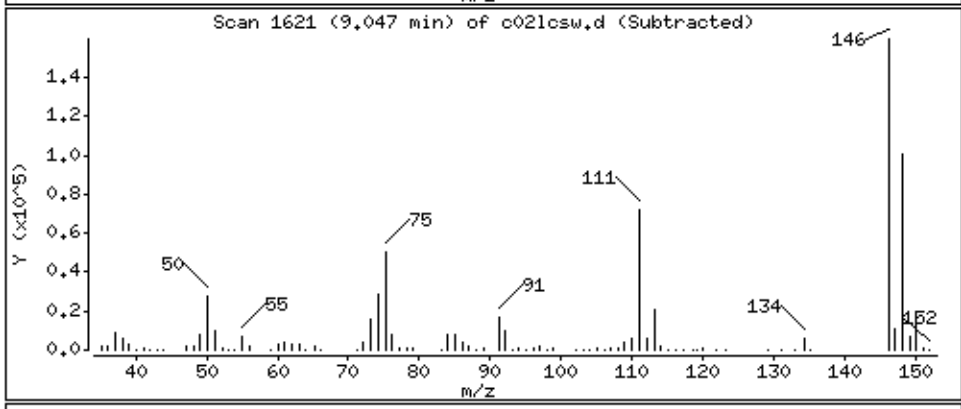
Column diameter: 0.18

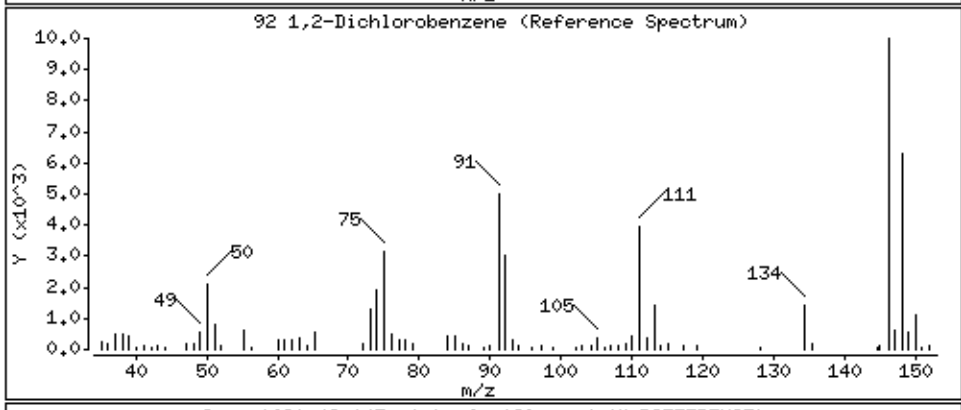
92 1,2-Dichlorobenzene

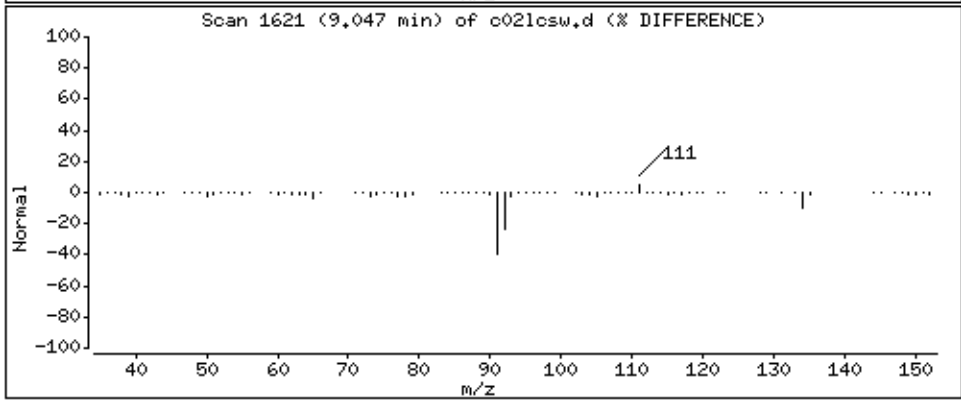
Concentration: 49.6 ppb

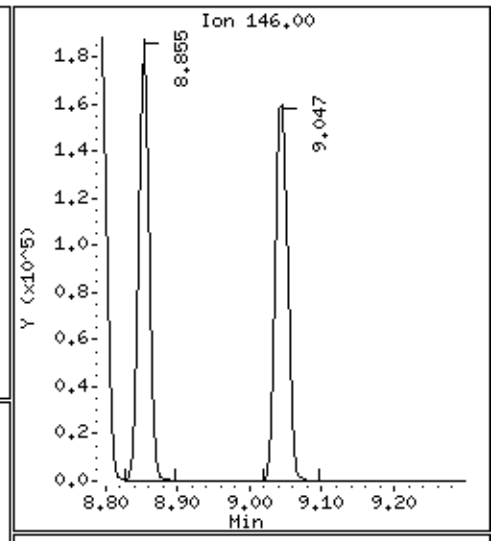
Review Code:

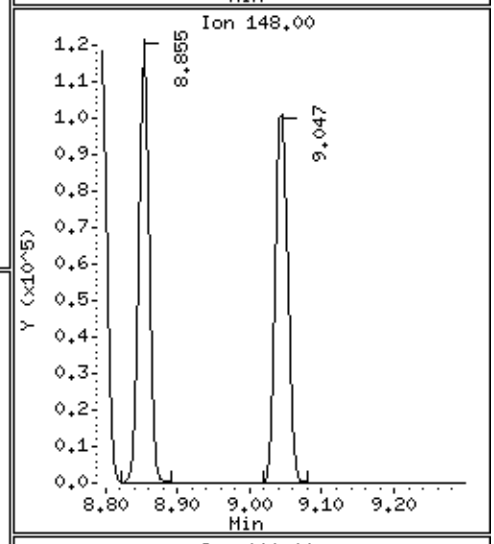


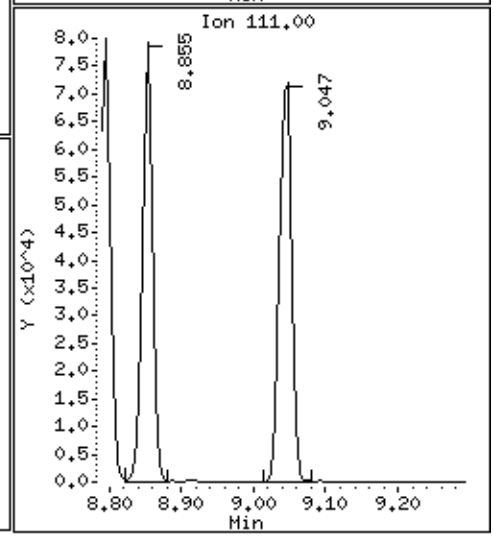












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

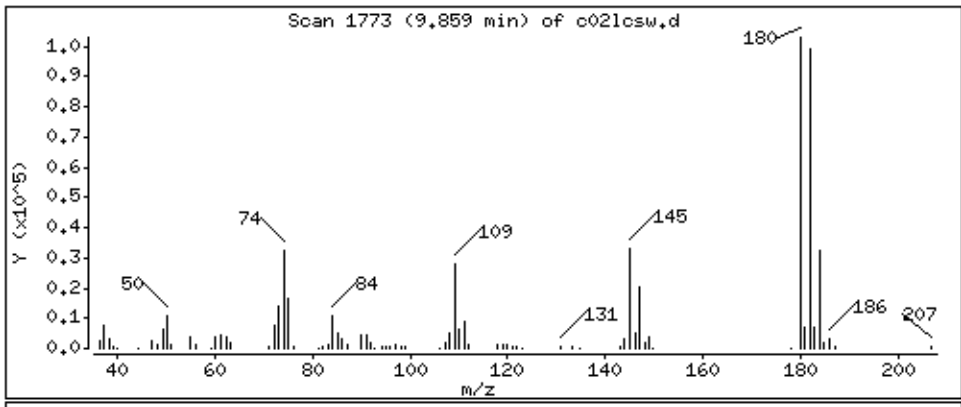
Column phase: DB-624

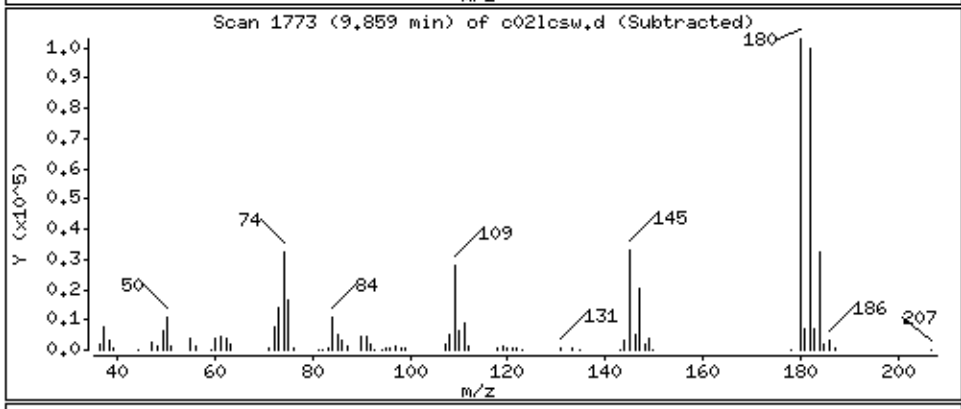
Column diameter: 0.18

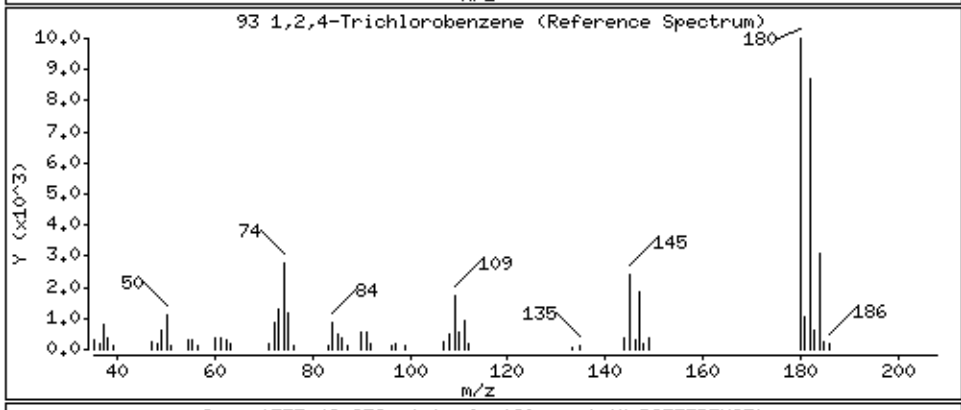
93 1,2,4-Trichlorobenzene

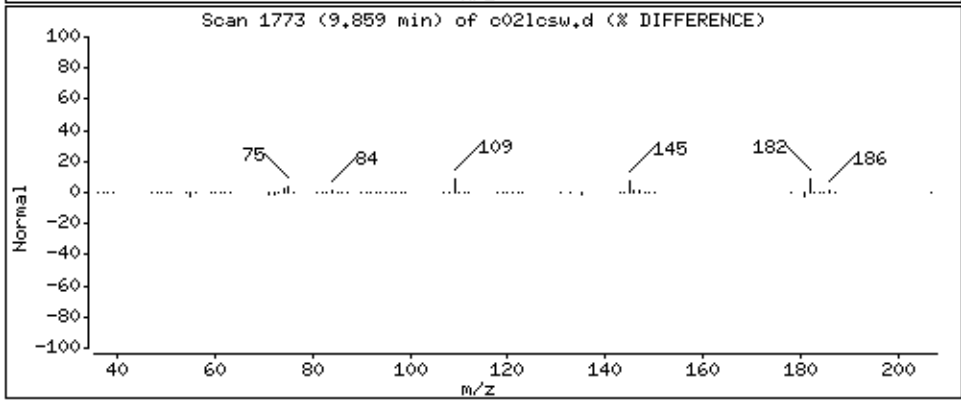
Concentration: 48.6 ppb

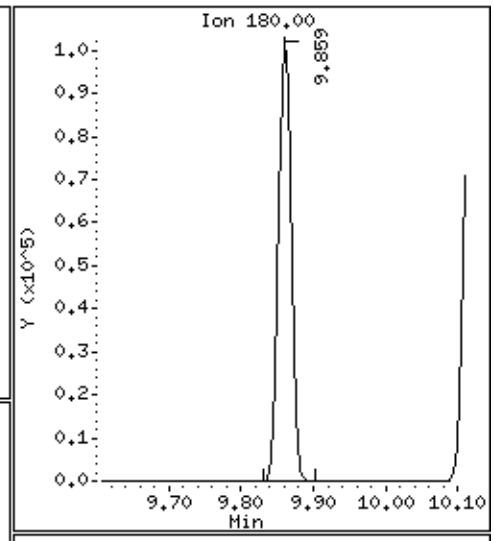
Review Code:

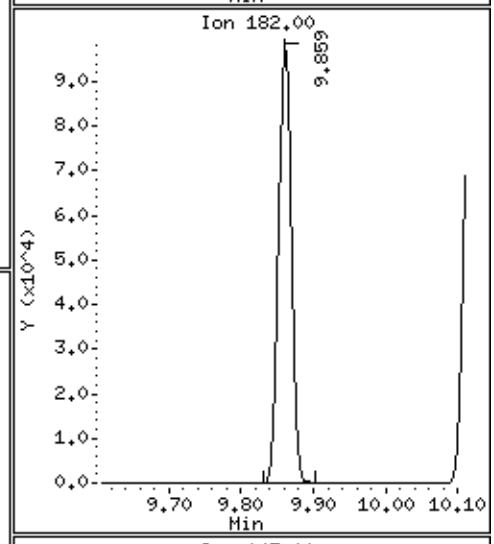


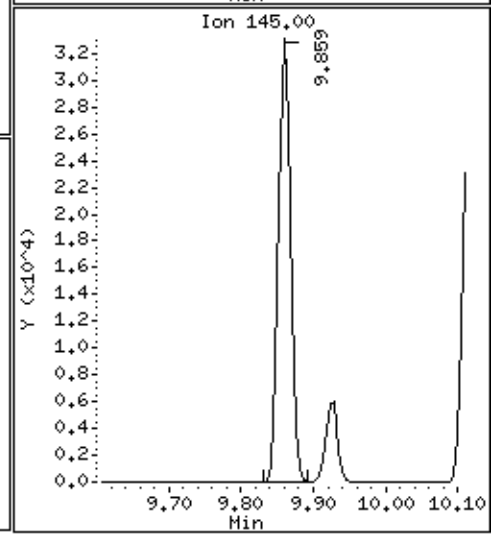












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

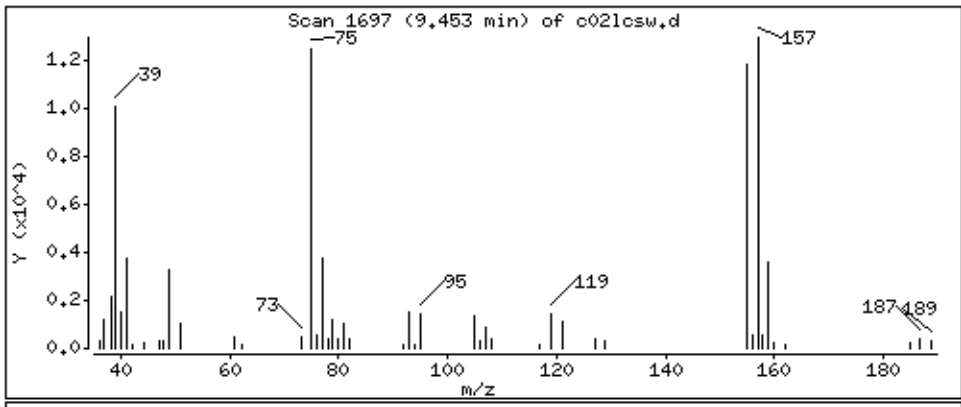
Column phase: DB-624

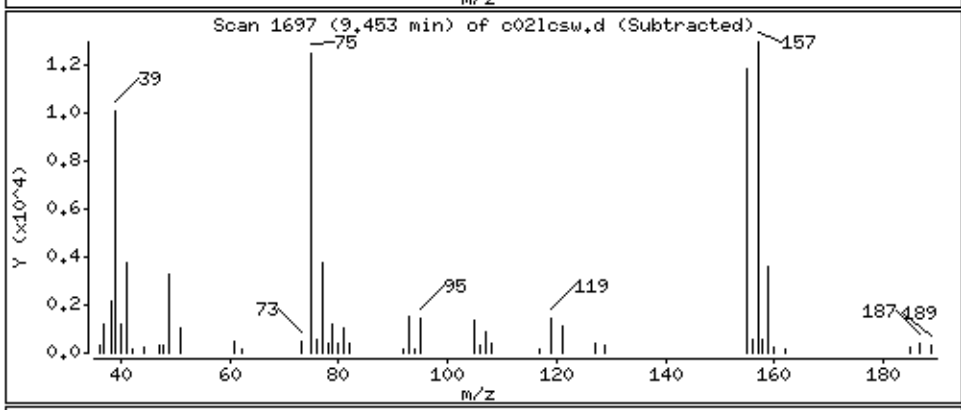
Column diameter: 0.18

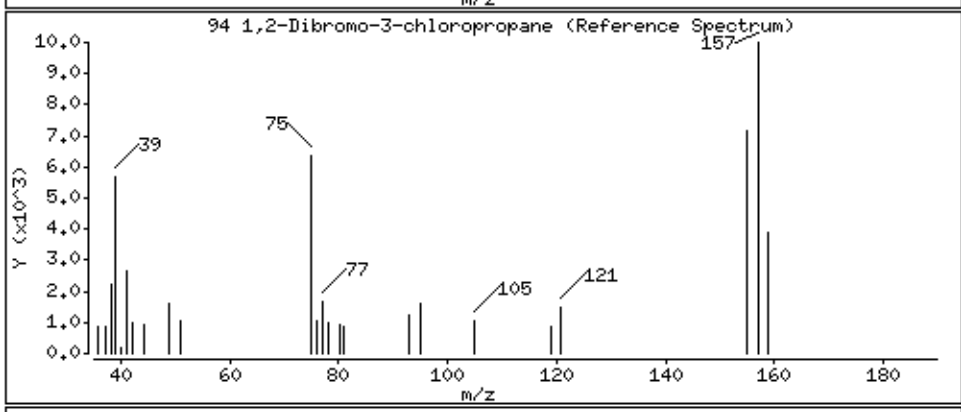
94 1,2-Dibromo-3-chloropropane

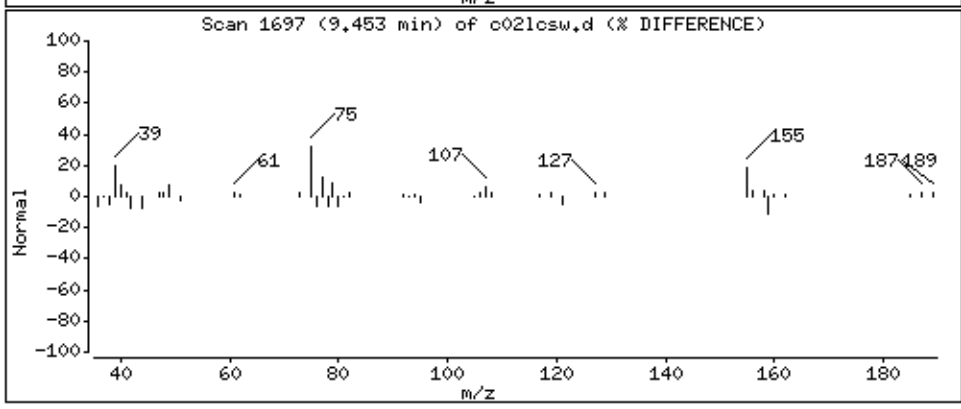
Concentration: 55.8 ppb

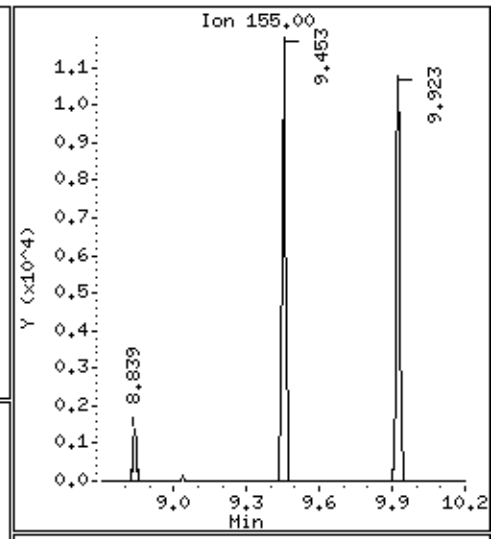
Review Code:

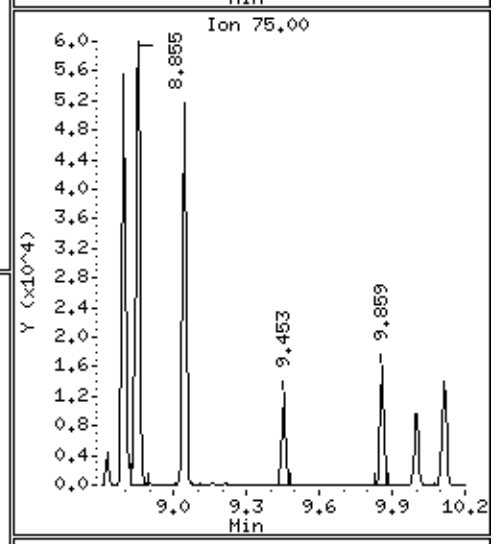


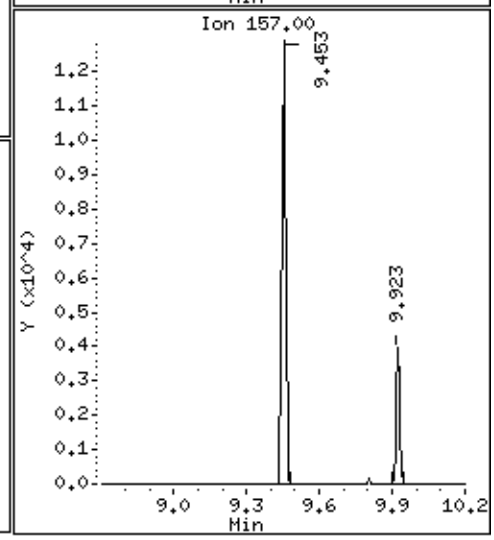












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

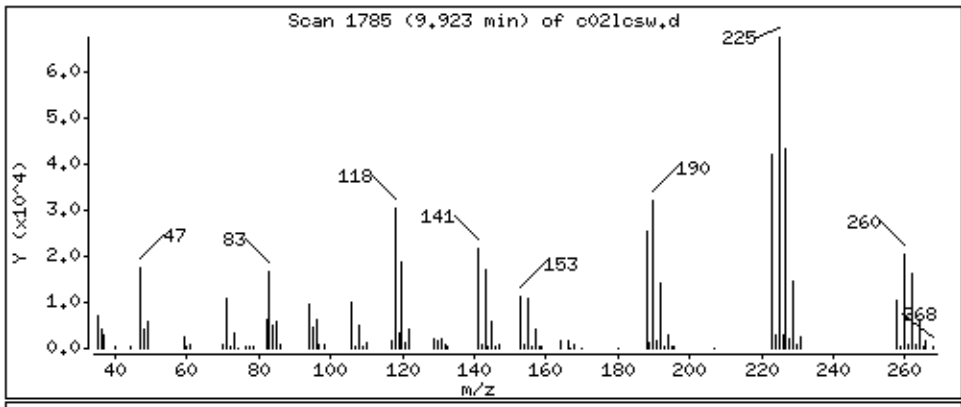
Column phase: DB-624

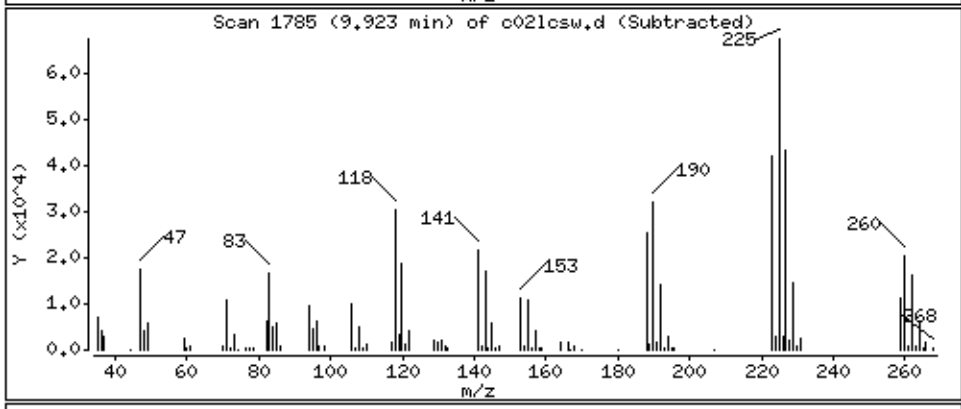
Column diameter: 0.18

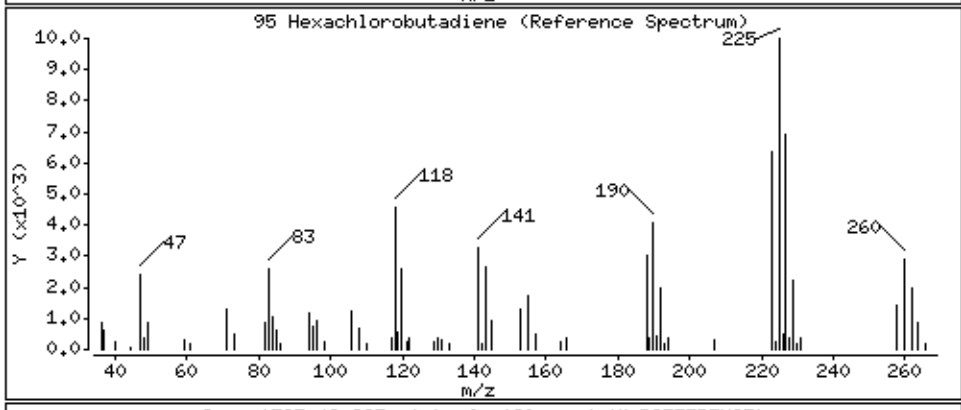
95 Hexachlorobutadiene

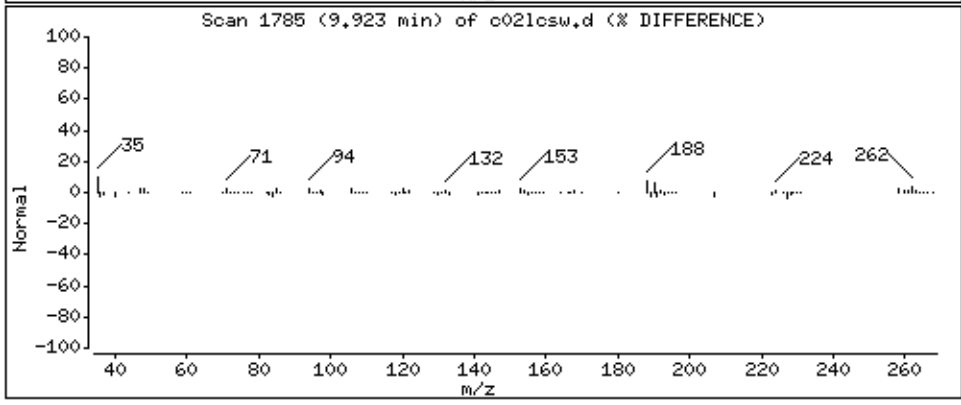
Concentration: 51.7 ppb

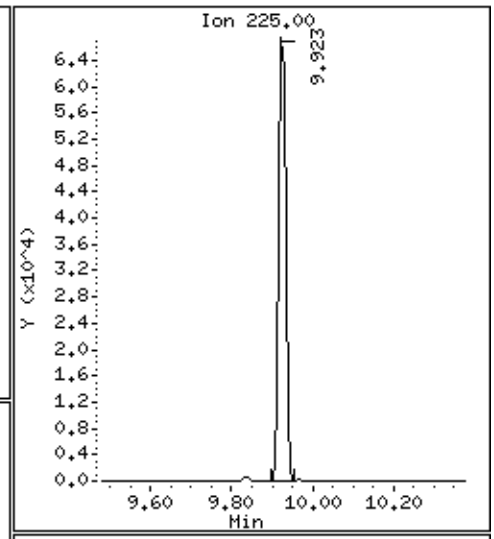
Review Code:

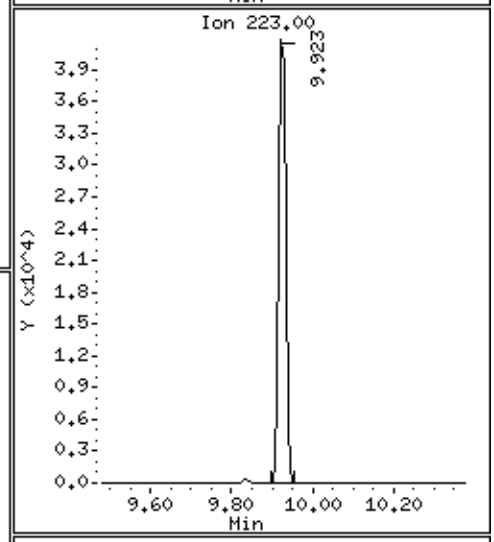


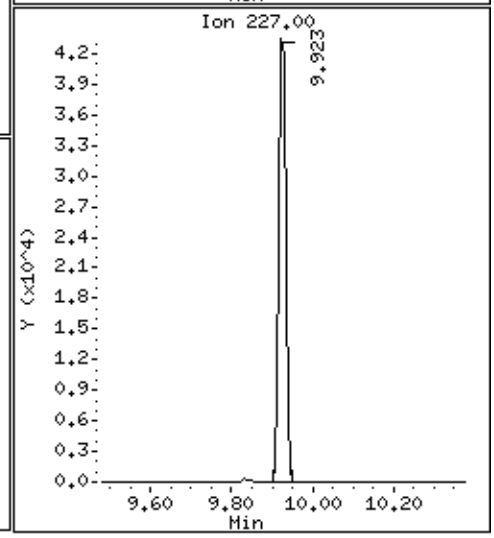












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

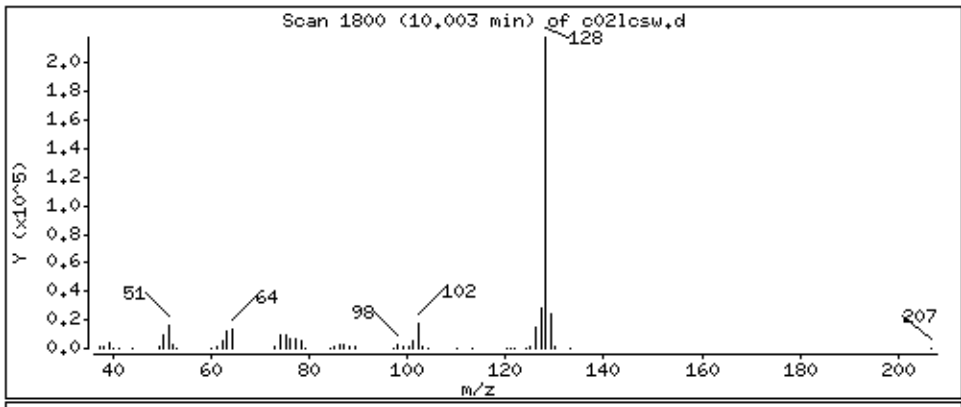
Column phase: DB-624

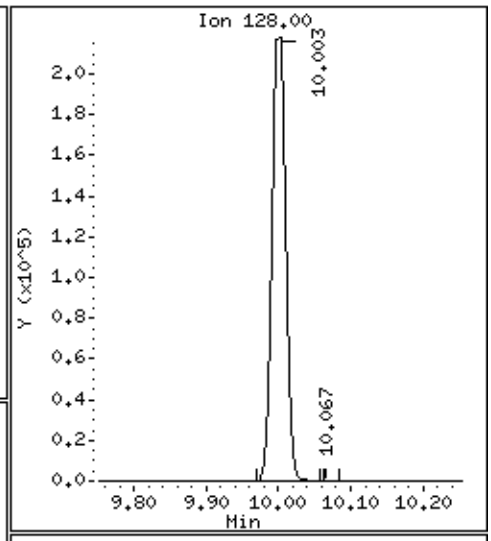
Column diameter: 0.18

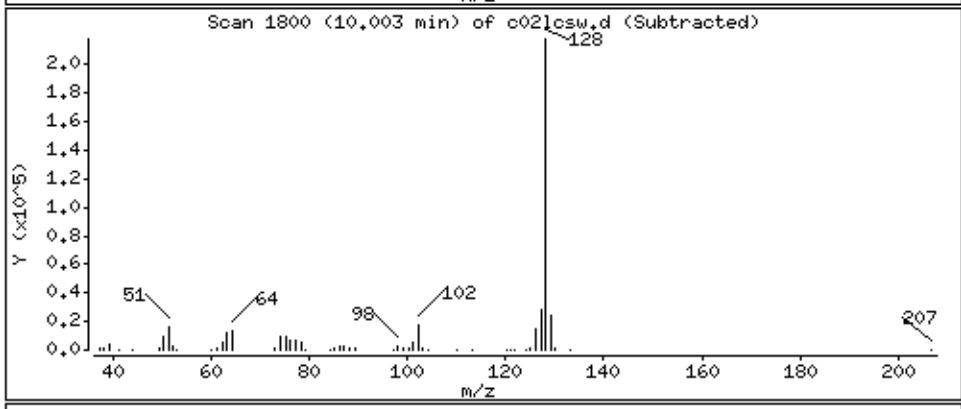
96 Naphthalene

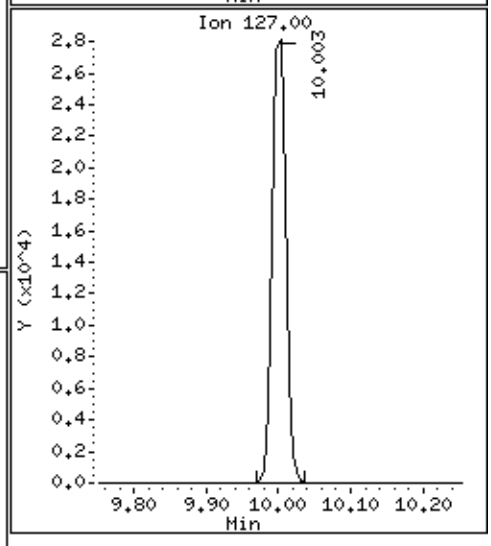
Concentration: 53.6 ppb

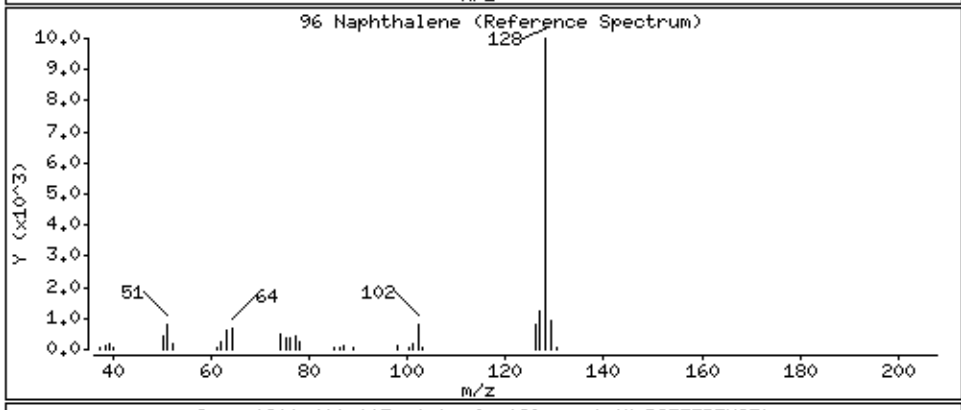
Review Code:

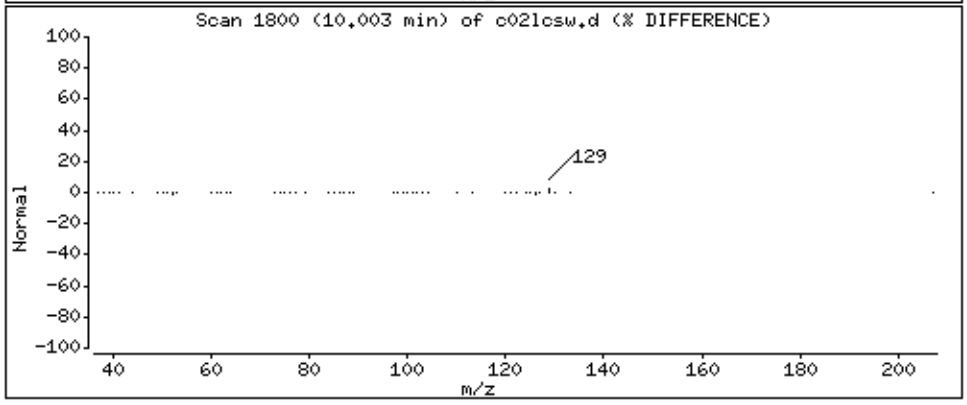












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

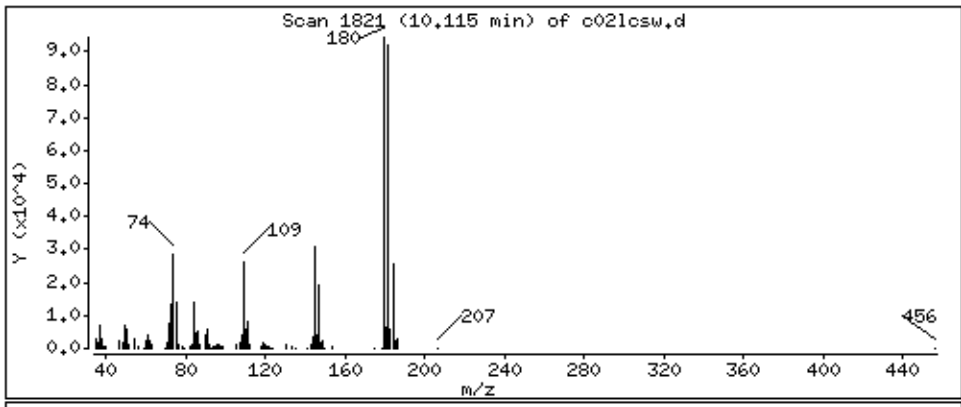
Column phase: DB-624

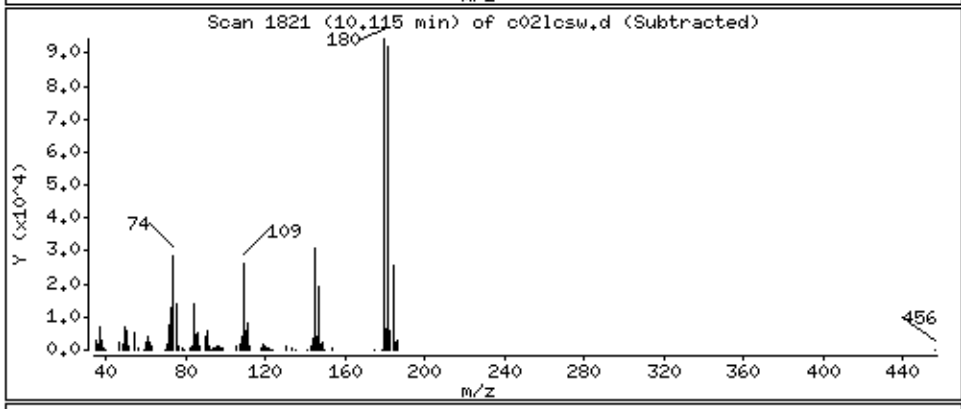
Column diameter: 0.18

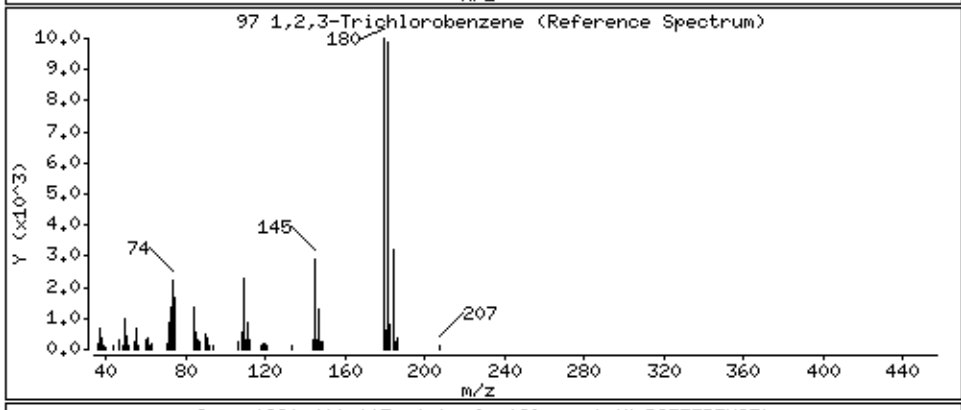
97 1,2,3-Trichlorobenzene

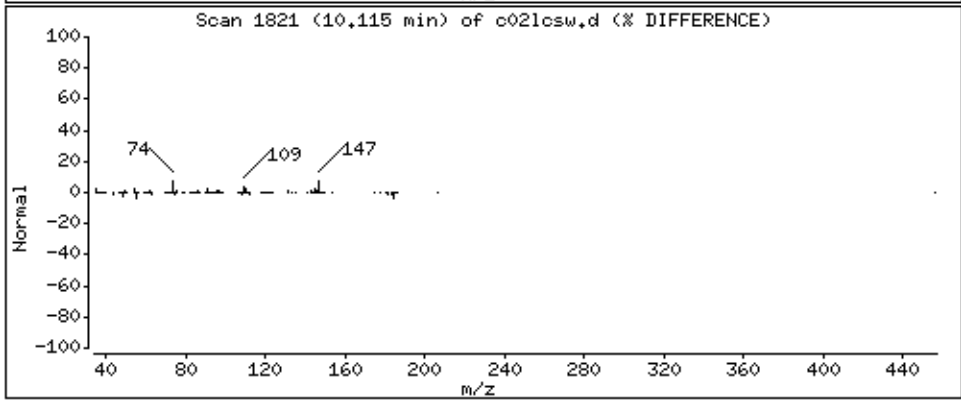
Concentration: 49.0 ppb

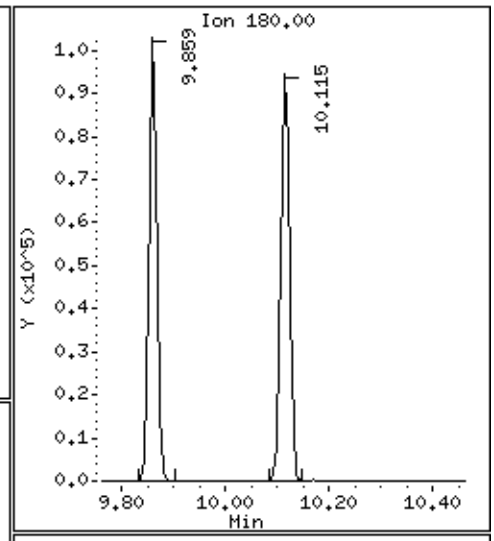
Review Code:

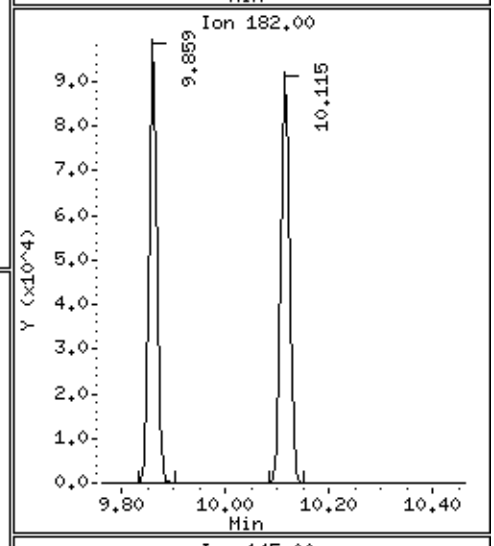


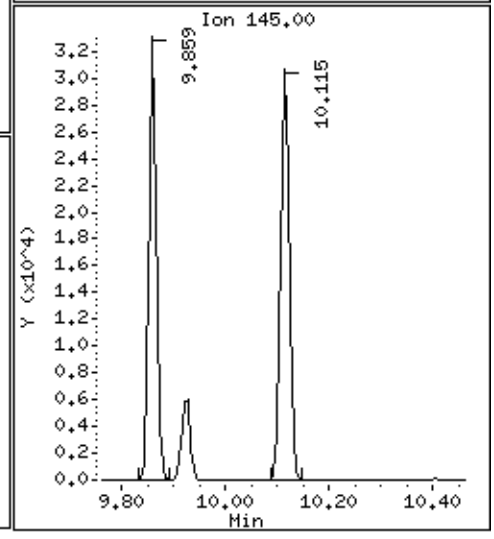












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

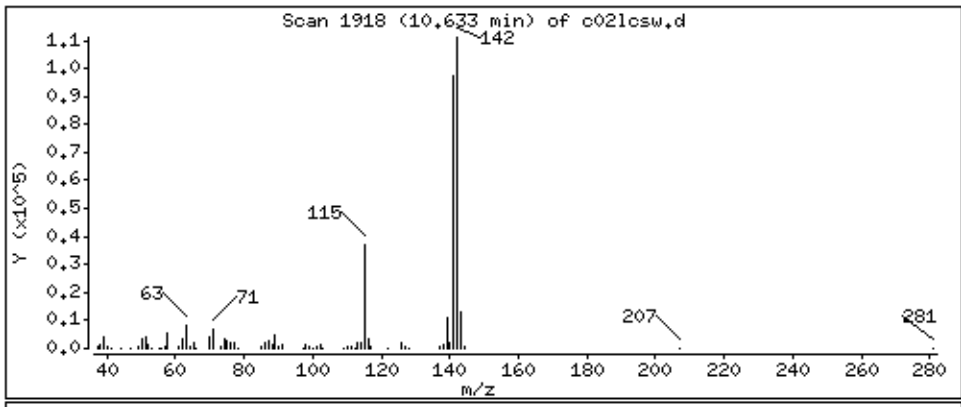
Column phase: DB-624

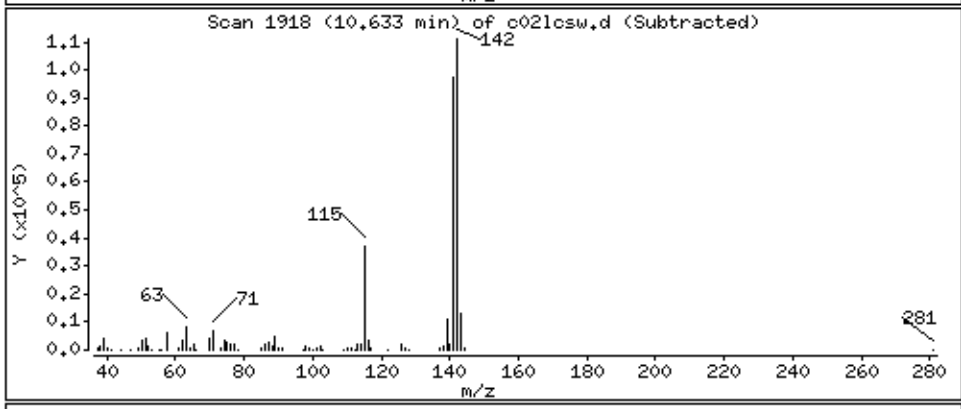
Column diameter: 0.18

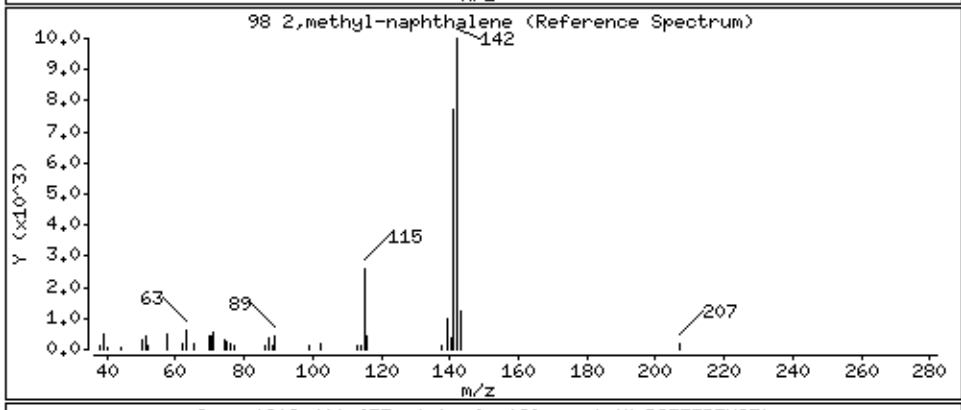
98 2,methyl-naphthalene

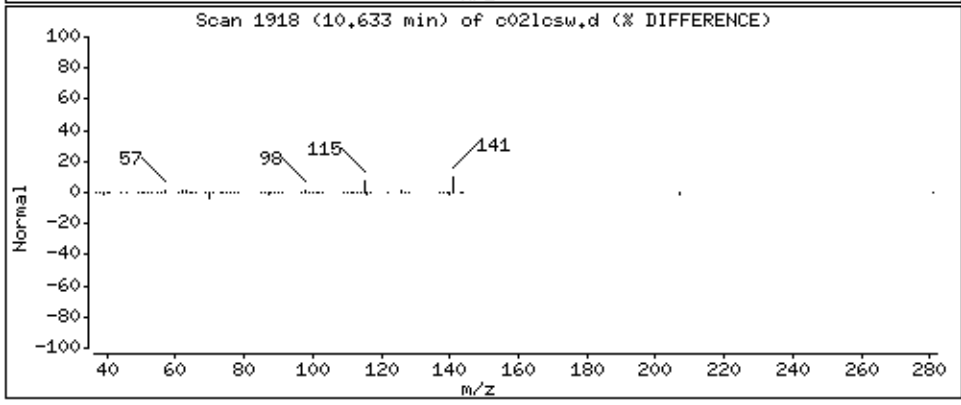
Concentration: 46.9 ppb

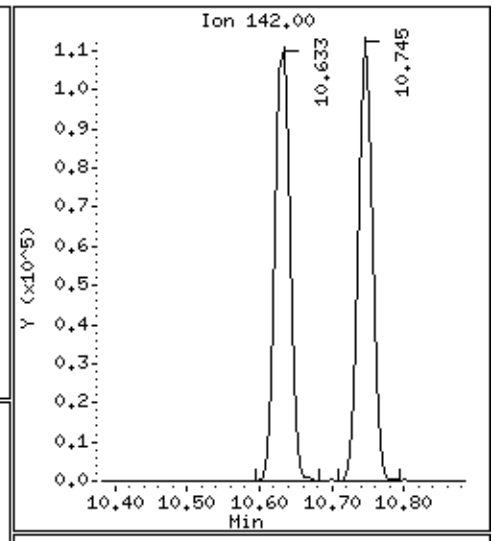
Review Code:

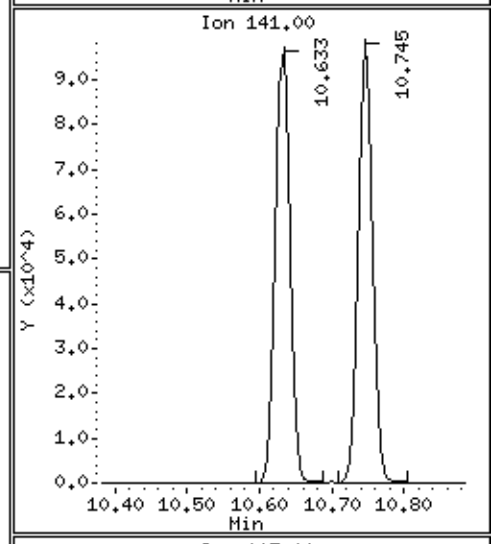


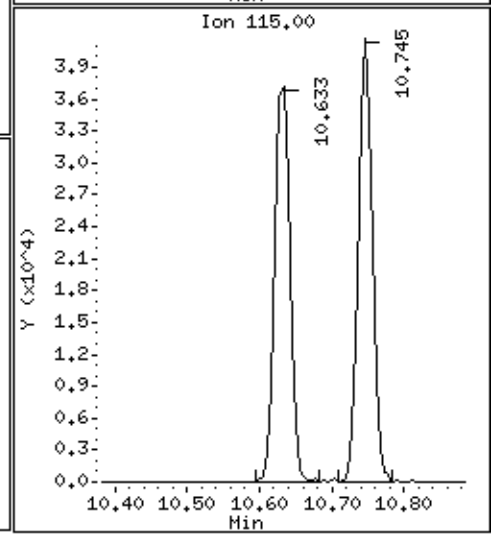












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c02lcsw.d

Date : 10-OCT-2016 22:20

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1645430,132007:5

Purge Volume: 5.0

Operator: jlz

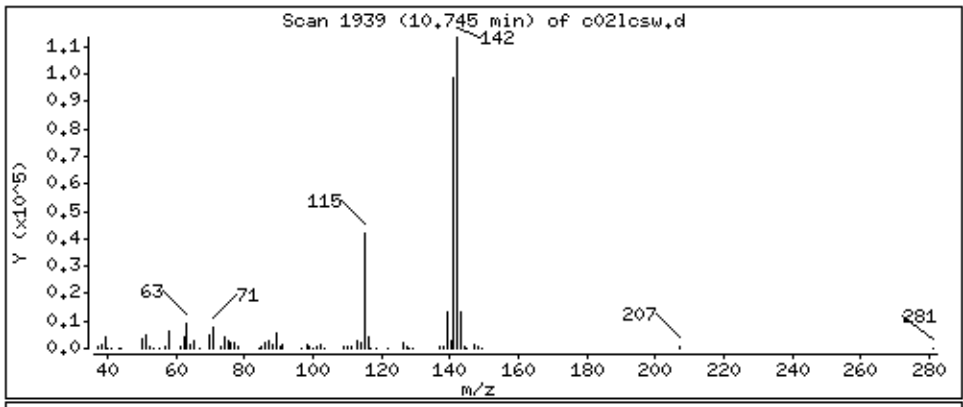
Column phase: DB-624

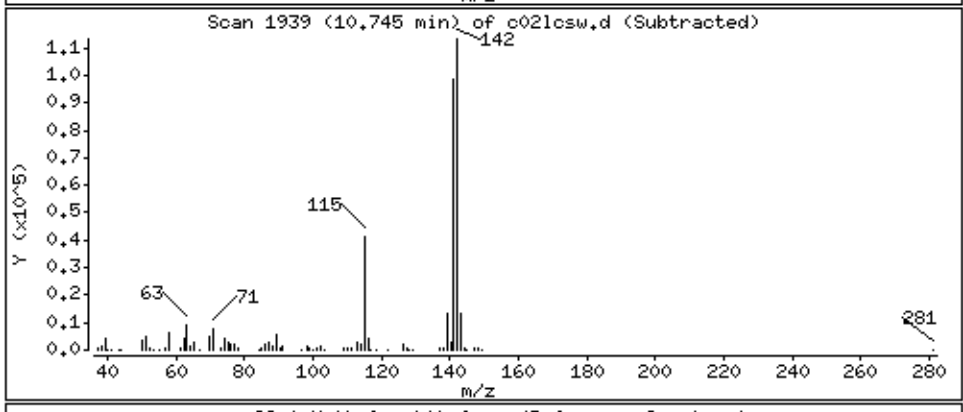
Column diameter: 0.18

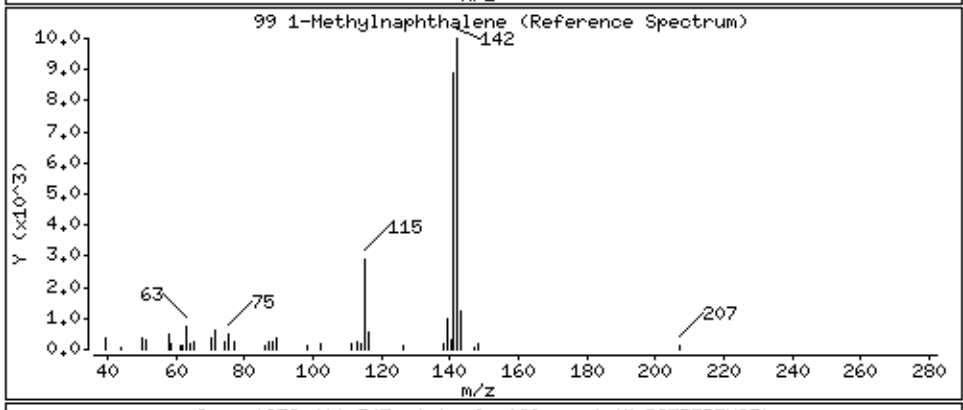
99 1-Methylnaphthalene

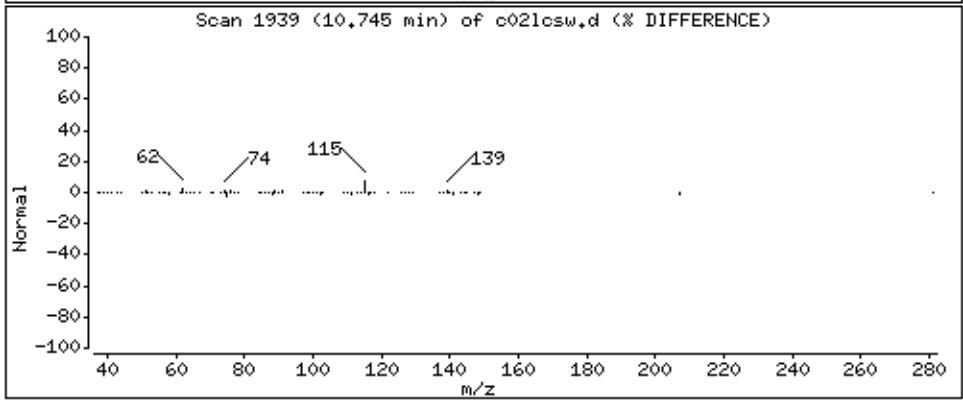
Concentration: 58.0 ppb

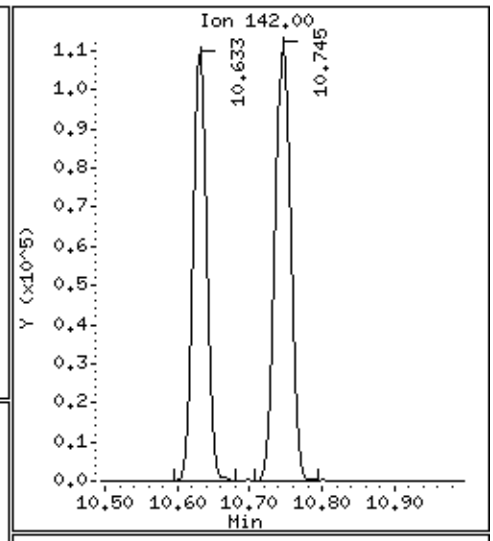
Review Code:

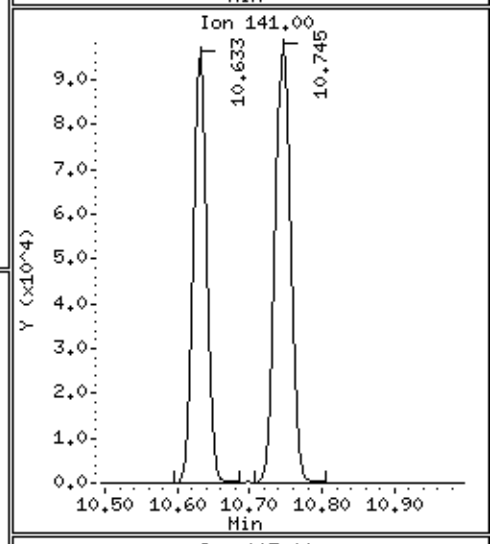


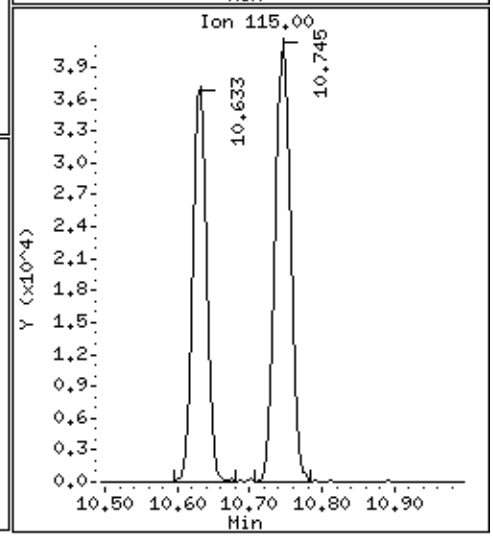












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c02lcsw.d
Injection Date: 10-OCT-2016 22:20
Instrument: 50mv3a.i
Lab Sample ID: 1645430
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 01:32 Lab Sample ID: 1645431

Date Analyzed: 10/11/2016 01:32 Lab File ID: A101016.B\C08.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	286	
71-43-2	Benzene	41.9	
75-27-4	Bromodichloromethane	47.3	
75-25-2	Bromoform	43.6	
74-83-9	Bromomethane	37.7	
78-93-3	2-Butanone (MEK)	282	
75-15-0	Carbon disulfide	37.2	
56-23-5	Carbon tetrachloride	39.2	
108-90-7	Chlorobenzene	34.3	
75-00-3	Chloroethane	37.0	
67-66-3	Chloroform	43.3	
74-87-3	Chloromethane	35.6	
110-82-7	Cyclohexane	42.5	J
96-12-8	1,2-Dibromo-3-chloropropane	52.4	
124-48-1	Dibromochloromethane	45.2	
106-93-4	1,2-Dibromoethane (EDB)	49.6	
95-50-1	1,2-Dichlorobenzene	31.3	
541-73-1	1,3-Dichlorobenzene	28.1	
106-46-7	1,4-Dichlorobenzene	27.3	
75-71-8	Dichlorodifluoromethane	37.9	
75-34-3	1,1-Dichloroethane	44.0	
107-06-2	1,2-Dichloroethane	41.7	
75-35-4	1,1-Dichloroethene	40.4	
156-59-2	cis-1,2-Dichloroethene	84.4	
156-60-5	trans-1,2-Dichloroethene	43.8	
78-87-5	1,2-Dichloropropane	48.6	
10061-01-5	cis-1,3-Dichloropropene	42.1	
10061-02-6	trans-1,3-Dichloropropene	43.9	
100-41-4	Ethylbenzene	33.7	
591-78-6	2-Hexanone	301	
98-82-8	Isopropylbenzene (Cumene)	30.7	
79-20-9	Methyl acetate	55.8	
108-87-2	Methylcyclohexane	44.1	J
75-09-2	Methylene Chloride	51.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	281	
1634-04-4	Methyl-tert-butyl ether	47.1	
100-42-5	Styrene	36.5	

SAMPLE NO.

MS

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 01:32 Lab Sample ID: 1645431

Date Analyzed: 10/11/2016 01:32 Lab File ID: A101016.B\C08.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	49.4	
127-18-4	Tetrachloroethene	31.2	
108-88-3	Toluene	35.6	
120-82-1	1,2,4-Trichlorobenzene	29.1	
71-55-6	1,1,1-Trichloroethane	38.9	
79-00-5	1,1,2-Trichloroethane	48.3	
79-01-6	Trichloroethene	188	
75-69-4	Trichlorofluoromethane	39.2	
76-13-1	1,1,2-Trichlorotrifluoroethane	39.6	
75-01-4	Vinyl chloride	39.9	
1330-20-7	Xylene (Total)	100	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d
Lab Smp Id: 1645431 Client Smp ID: MW-0619-S1(092716)P
Inj Date : 11-OCT-2016 01:32
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1645431,132007:5
Misc Info : 95715
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 63 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.909	0.906	(0.218)	81865	37.9319	37.9	
2 Chloromethane	50	0.994	0.992	(0.239)	94327	35.6131	35.6	
3 Vinyl Chloride	62	1.037	1.035	(0.249)	111096	39.9232	39.9	
4 Bromomethane	94	1.181	1.184	(0.284)	48596	37.7309	37.7	
5 Chloroethane	64	1.229	1.227	(0.295)	60750	36.9653	37.0	
6 Trichlorofluoromethane	101	1.341	1.344	(0.322)	121635	39.2487	39.2	
7 Diethyl ether	74	1.464	1.467	(0.351)	48710	40.6631	40.7	
8 1,2-dichlorotrifluoroethane	67	1.480	1.483	(0.355)	104556	38.9936	39.0	
9 Acrolein	56	1.539	1.537	(0.369)	238885	1119.98	1120	
10 1,1,2trichlorotrifluoroethane	101	1.587	1.590	(0.381)	90755	39.6122	39.6(R)	
11 1,1-Dichloroethene	96	1.592	1.595	(0.382)	75663	40.3543	40.4	
12 Acetone	43	1.603	1.606	(0.385)	108770	286.418	286	
13 Iodomethane	142	1.683	1.681	(0.404)	157466	89.0703	89.1	
14 Carbon Disulfide	76	1.731	1.729	(0.416)	215642	37.2153	37.2	
15 Methyl Acetate	43	1.774	1.772	(0.426)	64007	55.8494	55.8	
16 allyl chloride	41	1.790	1.788	(0.430)	312140	84.9160	84.9	
17 Acetonitrile	39	1.790	1.788	(0.430)	196060	37.0043	37.0	
18 Methylene Chloride	84	1.865	1.862	(0.448)	97091	51.0920	51.1	
19 Acrylonitrile	53	1.998	1.996	(0.480)	102878	212.211	212	
20 Methyl-tert-butyl ether	73	2.025	2.023	(0.486)	238951	47.1376	47.1	
21 tert-Butyl Alcohol	59	1.902	1.900	(0.457)	16083	110.353	110(Q)	
22 1,2-Dichloroethene (trans)	96	2.036	2.039	(0.489)	92579	43.8422	43.8	

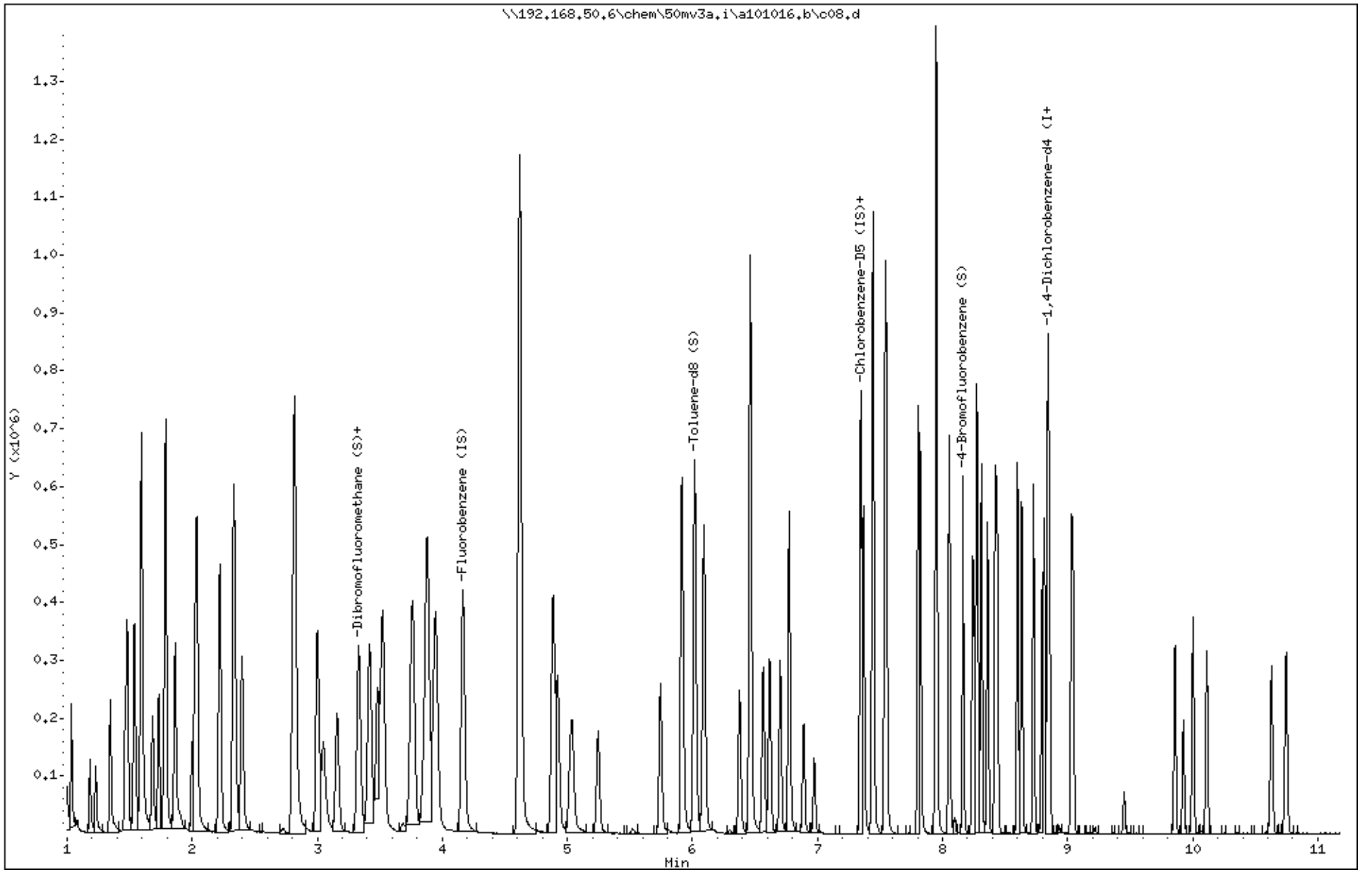
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 n-Hexane	57	2.222	2.220	(0.533)	176648	42.1234	42.1	
	24 Vinyl Acetate	43	2.329	2.327	(0.559)	577985	174.333	174	
	25 1,1-Dichloroethane	63	2.340	2.338	(0.562)	174188	43.9621	44.0	
	26 Chloroprene	53	2.393	2.397	(0.574)	162284	39.5278	39.5	
	27 2-Butanone	72	2.799	2.797	(0.672)	39880	281.534	282(Q)	
	28 1,2-Dichloroethene (cis)	96	2.815	2.813	(0.676)	190934	84.3971	84.4(QR)	
	29 2,2-Dichloropropane	77	2.821	2.824	(0.677)	128478	40.9120	40.9	
	30 Propionitrile	54	2.863	2.867	(0.687)	9065	45.1410	45.1(Q)	
	31 Methacrylonitrile	41	3.002	3.005	(0.721)	202149	215.185	215	
	32 Bromochloromethane	49	3.050	3.048	(0.732)	73933	45.5661	45.6	
	33 Tetrahydrofuran	42	3.072	3.069	(0.737)	22508	52.7761	52.8	
	34 Chloroform	83	3.157	3.155	(0.758)	158396	43.3147	43.3	
$	35 Dibromofluoromethane (S)	113	3.328	3.331	(0.799)	91918	48.0716	48.1	
	36 1,1,1-Trichloroethane	97	3.333	3.331	(0.800)	134671	38.8878	38.9	
	37 Cyclohexane	56	3.419	3.417	(0.821)	176347	42.4631	42.5(R)	
	38 n-Butyl chloride	56	3.483	3.481	(0.836)	217056	41.8593	41.8	
	39 Carbon Tetrachloride	117	3.515	3.518	(0.844)	113749	39.2435	39.2	
	40 1,1-Dichloropropene	75	3.526	3.523	(0.846)	124392	39.7987	39.8(R)	
	41 Benzene	78	3.766	3.764	(0.904)	364276	41.8699	41.9	
	42 1,2-Dichloroethane	62	3.852	3.849	(0.924)	110102	41.7060	41.7	
	43 2,2,4-Trimethylpentane	57	3.942	3.945	(0.946)	462215	44.1613	44.2	
	44 Isobutyl alcohol	43	3.878	3.876	(0.931)	745464	52.5118	52.5	
*	45 Fluorobenzene (IS)	96	4.167	4.164	(1.000)	422861	50.0000		
	46 Trichloroethene	95	4.615	4.618	(1.108)	413753	187.858	188(R)	
	47 Methylcyclohexane	55	4.888	4.885	(1.173)	149123	44.1068	44.1(R)	
	48 1,2-Dichloropropane	63	4.920	4.923	(1.181)	99305	48.6485	48.6	
	49 Dibromomethane	93	5.021	5.019	(1.205)	44676	47.8804	47.9	
	50 1,4-Dioxane	88	5.027	5.030	(1.206)	14377	1134.35	1130	
	51 Methyl methacrylate	69	5.037	5.040	(1.209)	53693	58.7899	58.8	
	52 Bromodichloromethane	83	5.246	5.243	(1.259)	111384	47.3291	47.3	
	54 cis-1,3-Dichloropropene	75	5.742	5.745	(0.782)	130129	42.1035	42.1	
	55 4-Methyl-2-Pentanone	43	5.919	5.916	(0.806)	398945	281.210	281	
$	56 Toluene-d8 (S)	98	6.020	6.018	(0.820)	404805	47.5173	47.5	
	57 Toluene	91	6.095	6.093	(0.830)	359759	35.5703	35.6(R)	
	58 trans-1,3-Dichloropropene	75	6.378	6.376	(0.868)	109863	43.8770	43.9	
	59 Ethyl Methacrylate	69	6.463	6.461	(0.880)	413455	222.329	222	
	60 1,1,2-Trichloroethane	83	6.565	6.563	(0.894)	58179	48.3263	48.3	
	61 Tetrachloroethene	166	6.613	6.616	(0.900)	71758	31.2367	31.2(R)	
	62 1,3-Dichloropropane	76	6.704	6.707	(0.913)	124015	48.9430	48.9	
	63 2-Hexanone	43	6.773	6.776	(0.922)	271333	301.450	301	
	64 Dibromochloromethane	129	6.891	6.888	(0.938)	76249	45.1964	45.2	
	65 1,2-Dibromoethane	107	6.971	6.974	(0.949)	64288	49.5516	49.6	
*	66 Chlorobenzene-D5 (IS)	117	7.345	7.342	(1.000)	274747	50.0000		
	67 Chlorobenzene	112	7.366	7.364	(1.003)	193997	34.3161	34.3(R)	
	68 1,1,1,2-Tetrachloroethane	131	7.441	7.444	(1.013)	75343	42.2502	42.2	
	69 Ethylbenzene	106	7.446	7.449	(1.014)	104426	33.6684	33.7(R)	
	70 m&p-Xylene	106	7.548	7.545	(1.028)	248285	65.2079	65.2(R)	
	71 o-Xylene	106	7.809	7.807	(1.063)	122545	34.7626	34.8(R)	
	72 Styrene	104	7.825	7.823	(1.065)	208049	36.4598	36.4(R)	
	73 Bromoform	173	7.943	7.941	(0.898)	37812	43.5970	43.6	
	74 Isopropylbenzene	105	8.055	8.053	(1.097)	299686	30.6919	30.7(R)	
$	75 4-Bromofluorobenzene (S)	95	8.162	8.165	(1.111)	130192	53.1468	53.1	
	76 Bromobenzene	77	8.242	8.240	(1.122)	120250	37.4858	37.5(R)	
	77 1,1,2,2-Tetrachloroethane	83	8.253	8.256	(0.934)	77180	49.3937	49.4	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.274	8.272	(1.127)	93681	209.470	209(Q)	
79	1,2,3-Trichloropropane	110	8.285	8.282	(0.937)	24421	49.2590	49.2(Q)	
80	n-Propylbenzene	91	8.311	8.309	(0.940)	307067	27.5424	27.5(R)	
81	2-Chlorotoluene	91	8.359	8.357	(0.946)	191727	30.7374	30.7(R)	
82	1,3,5-Trimethylbenzene	105	8.418	8.421	(0.952)	210648	27.9501	28.0(R)	
83	4-Chlorotoluene	126	8.434	8.432	(0.954)	62270	28.2168	28.2(R)	
84	tert-Butylbenzene	119	8.600	8.603	(0.973)	189562	22.0341	22.0(R)	
85	1,2,4-Trimethylbenzene	105	8.637	8.635	(0.977)	212327	27.9343	27.9(R)	
86	sec-Butylbenzene	105	8.728	8.726	(0.987)	252327	24.6757	24.7(R)	
87	1,3-Dichlorobenzene	146	8.797	8.795	(0.995)	112077	28.1305	28.1(R)	
88	p-Isopropyltoluene	119	8.813	8.811	(0.997)	193375	22.6817	22.7(R)	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.840	8.838	(1.000)	124236	50.0000		
90	1,4-Dichlorobenzene	146	8.851	8.854	(1.001)	112659	27.2931	27.3(R)	
91	n-Butylbenzene	91	9.032	9.030	(1.022)	153310	19.9015	19.9(R)	
92	1,2-Dichlorobenzene	146	9.043	9.046	(1.023)	112865	31.2764	31.3(R)	
93	1,2,4-Trichlorobenzene	180	9.860	9.858	(1.115)	69501	29.0552	29.0(R)	
94	1,2-Dibromo-3-chloropropane	155	9.454	9.452	(1.069)	10529	52.3575	52.4	
95	Hexachlorobutadiene	225	9.924	9.927	(1.123)	24767	16.8735	16.9(R)	
96	Naphthalene	128	9.999	10.002	(1.131)	202401	41.3724	41.4	
97	1,2,3-Trichlorobenzene	180	10.117	10.114	(1.144)	69753	30.8143	30.8(R)	
98	2,methyl-naphthalene	142	10.629	10.632	(1.202)	113385	35.5045	35.5	
99	1-Methylnaphthalene	142	10.747	10.745	(1.216)	126755	46.4050	46.4	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d
Date : 11-OCT-2016 01:32
Client ID: MW-0619-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 1645431,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

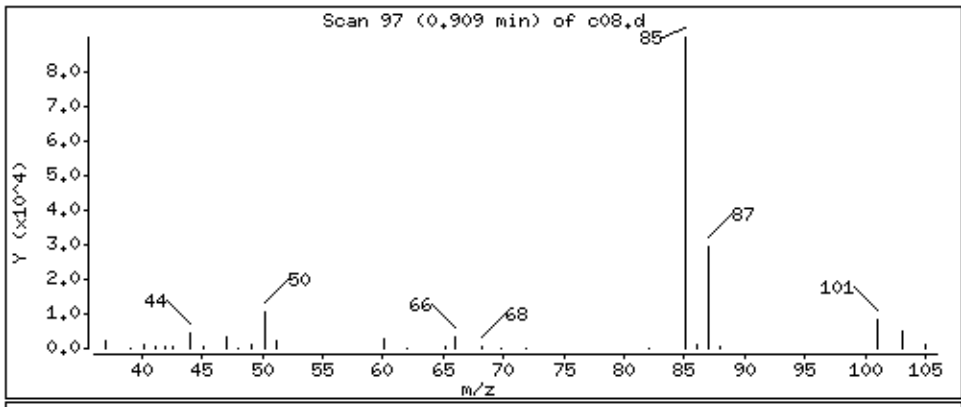
Column phase: DB-624

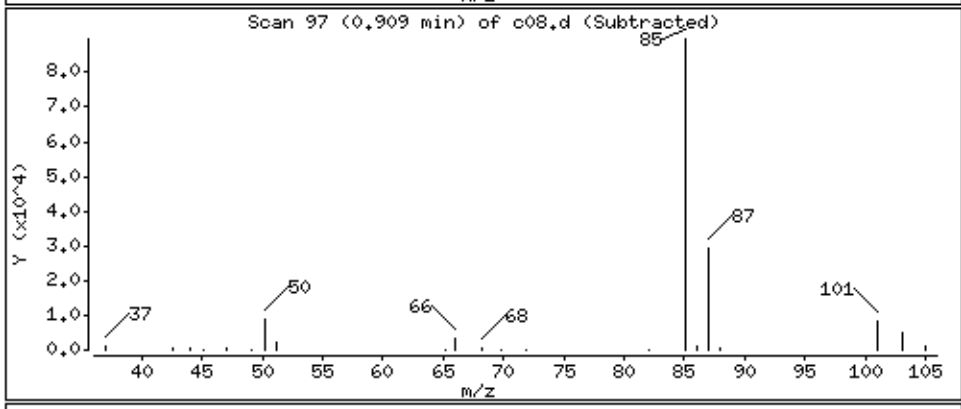
Column diameter: 0.18

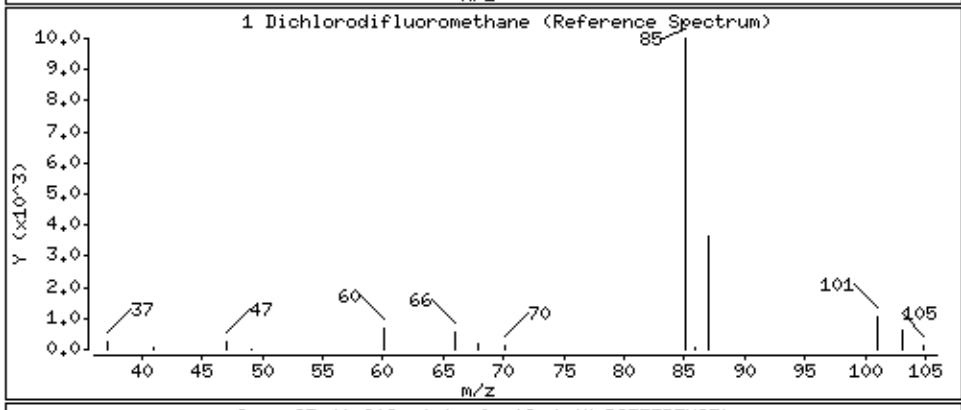
1 Dichlorodifluoromethane

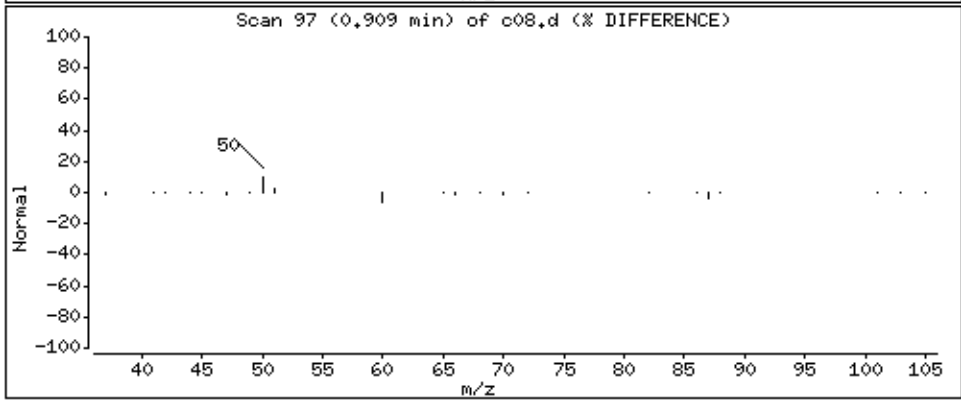
Concentration: 37.9 ppb

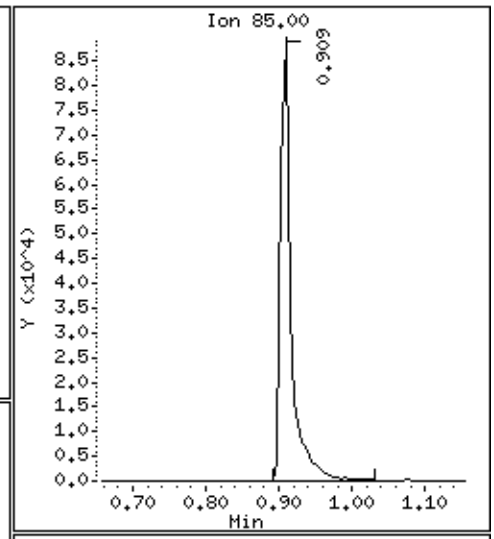
Review Code:

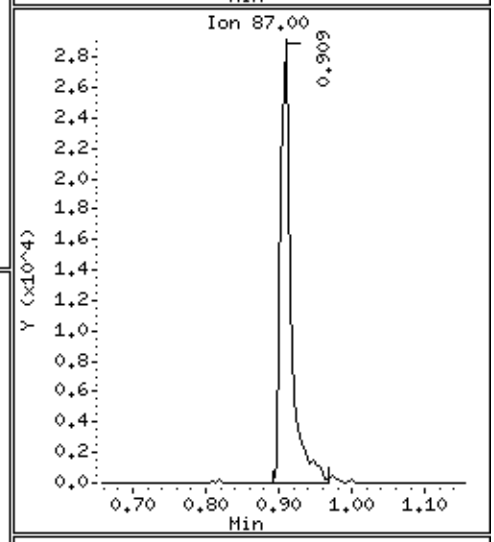


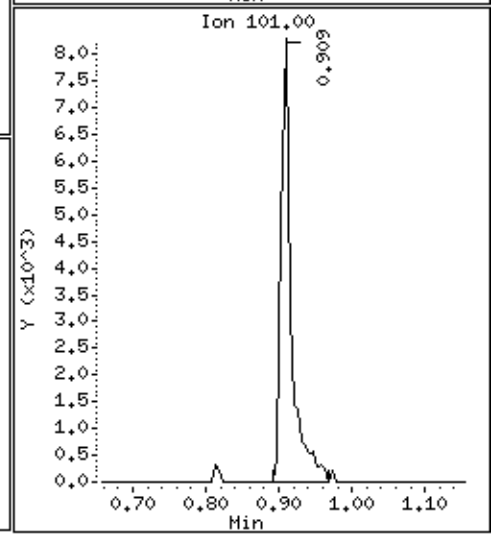












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

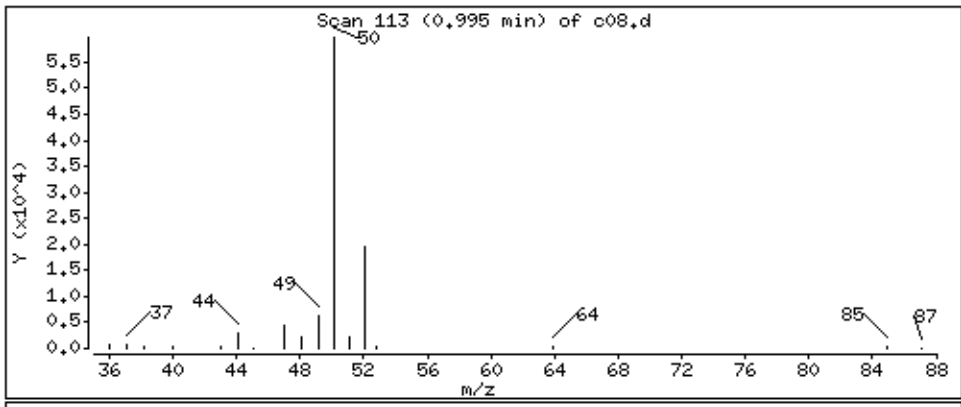
Column phase: DB-624

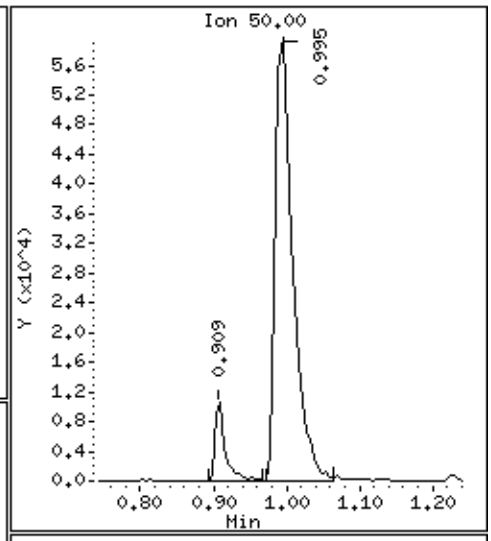
Column diameter: 0.18

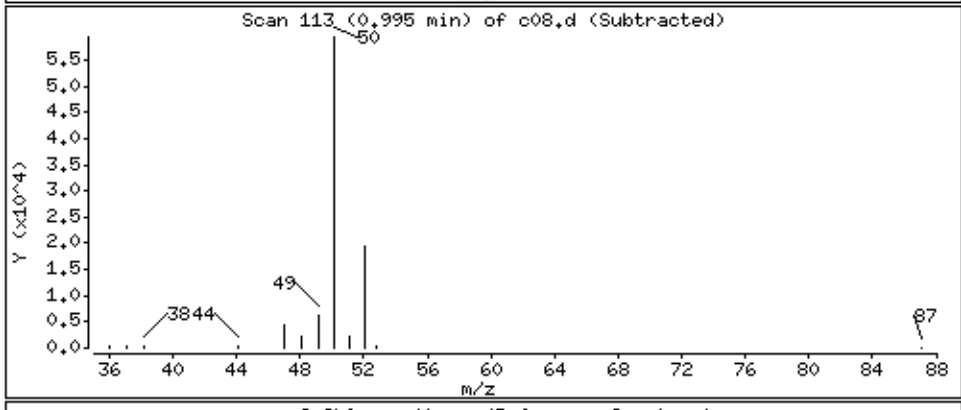
2 Chloromethane

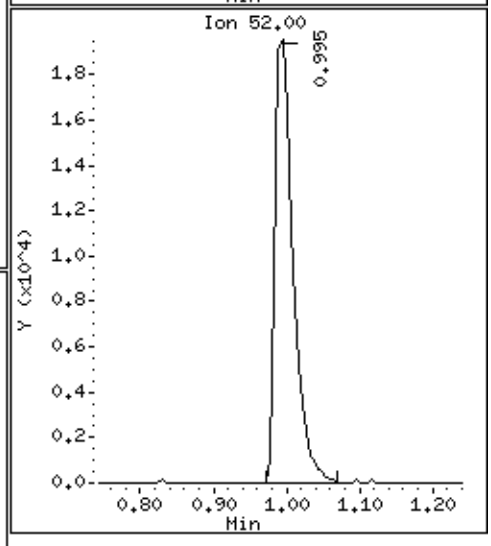
Concentration: 35.6 ppb

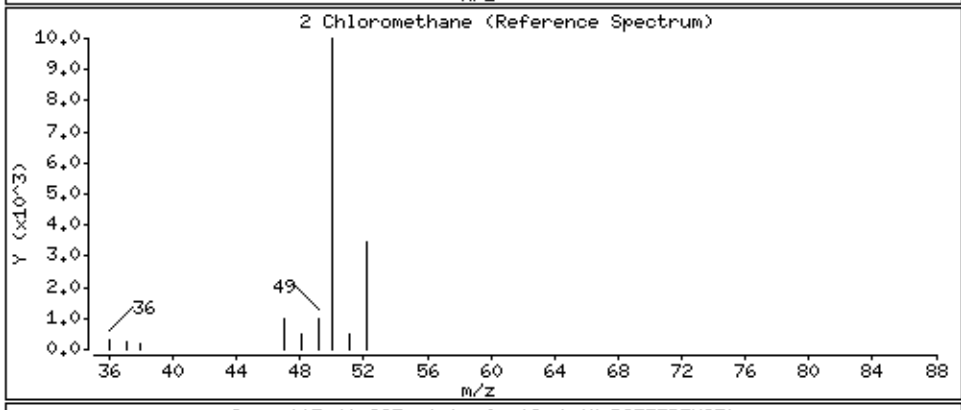
Review Code:

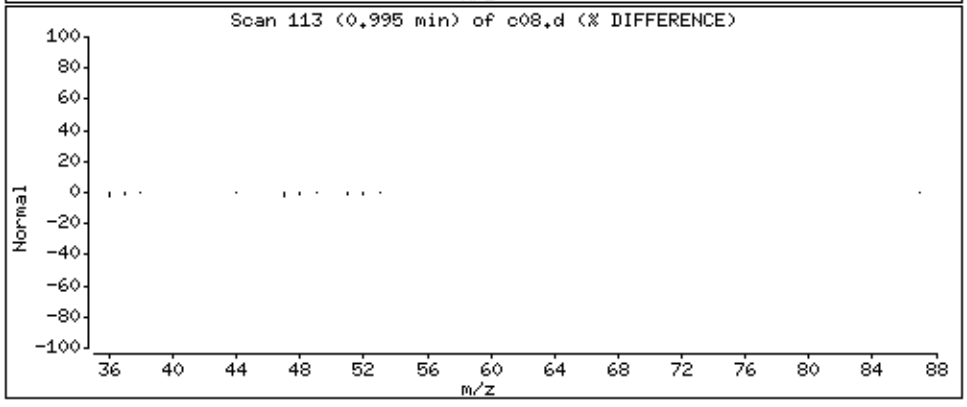












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

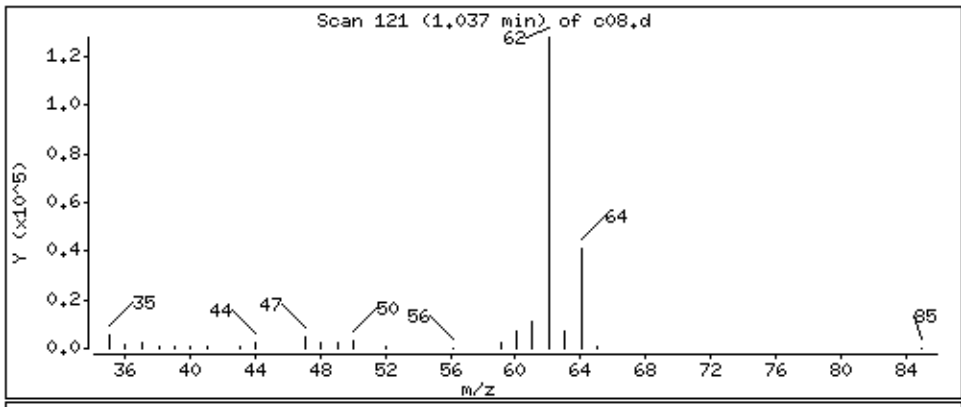
Column phase: DB-624

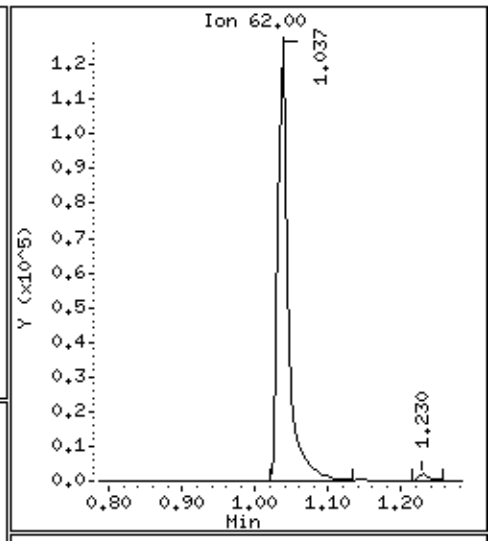
Column diameter: 0.18

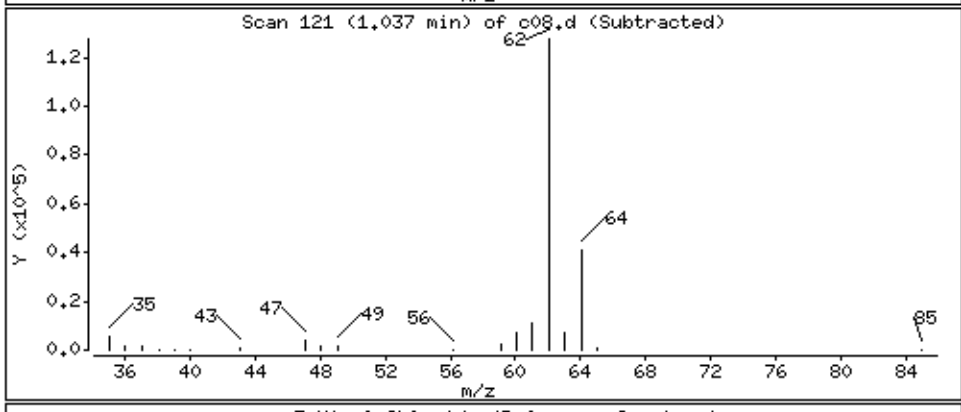
3 Vinyl Chloride

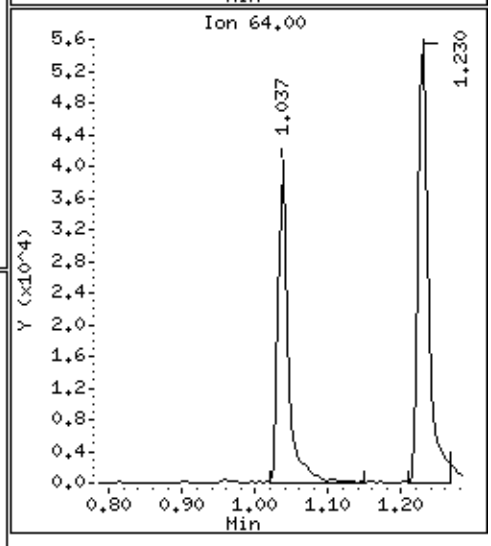
Concentration: 39.9 ppb

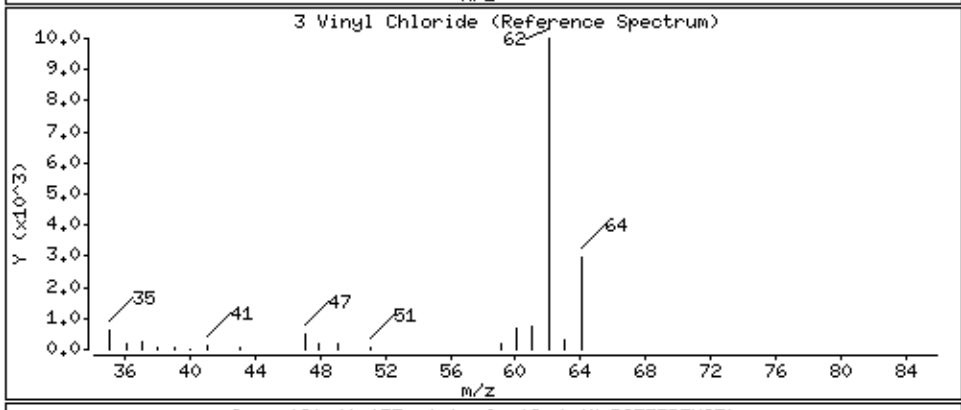
Review Code:

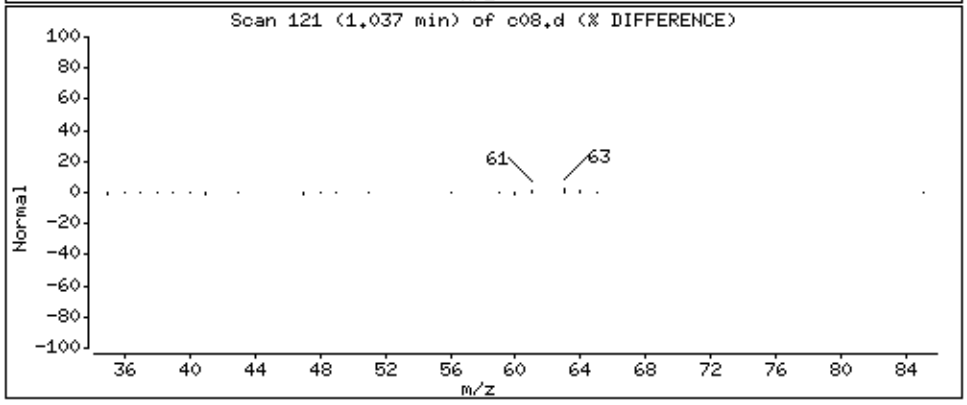












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

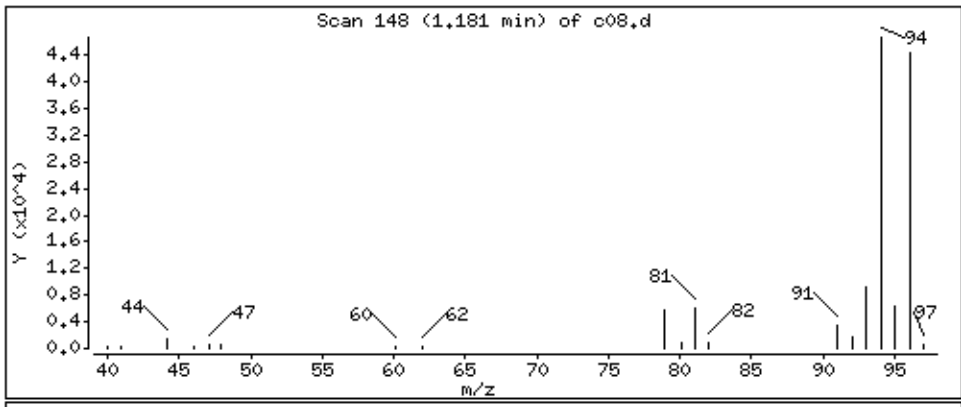
Column phase: DB-624

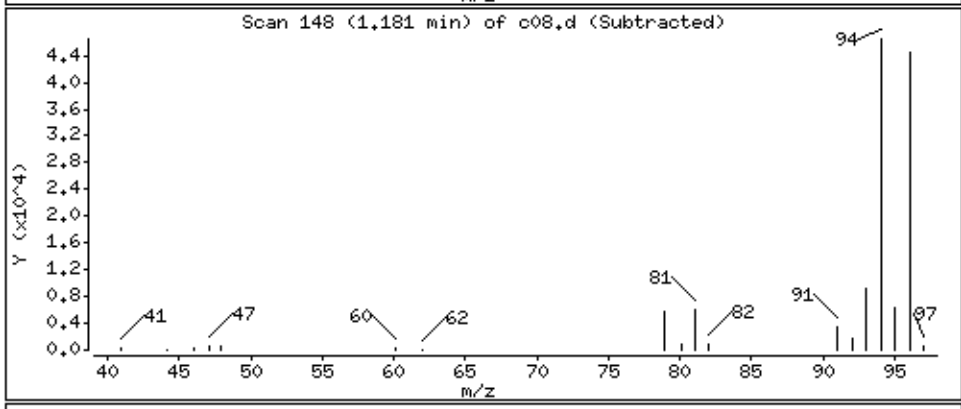
Column diameter: 0.18

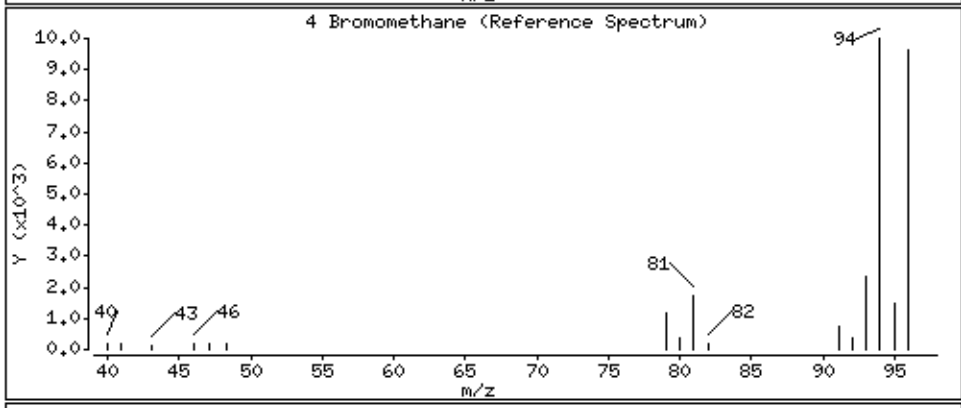
4 Bromomethane

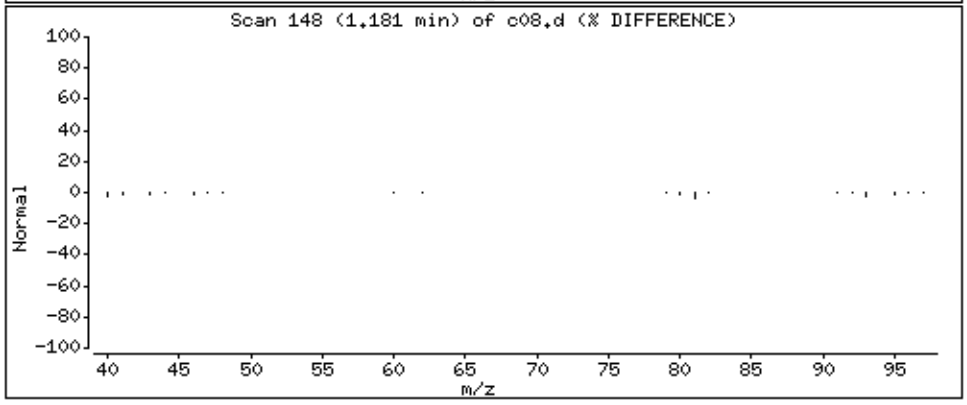
Concentration: 37.7 ppb

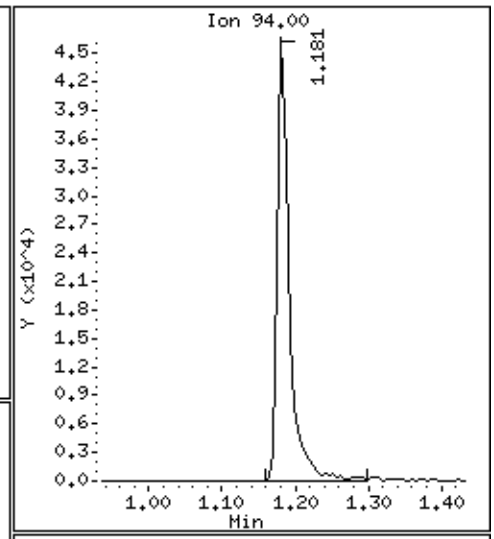
Review Code:

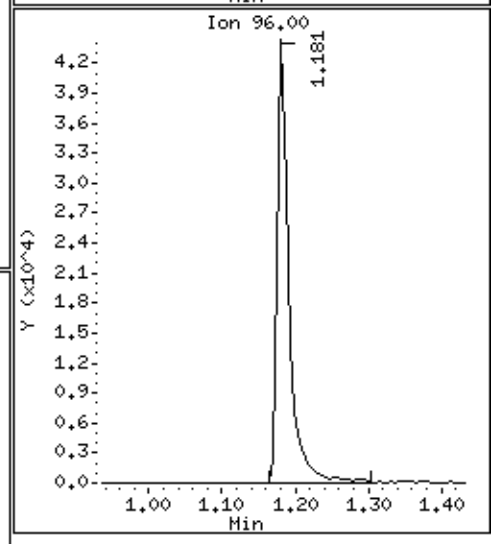












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

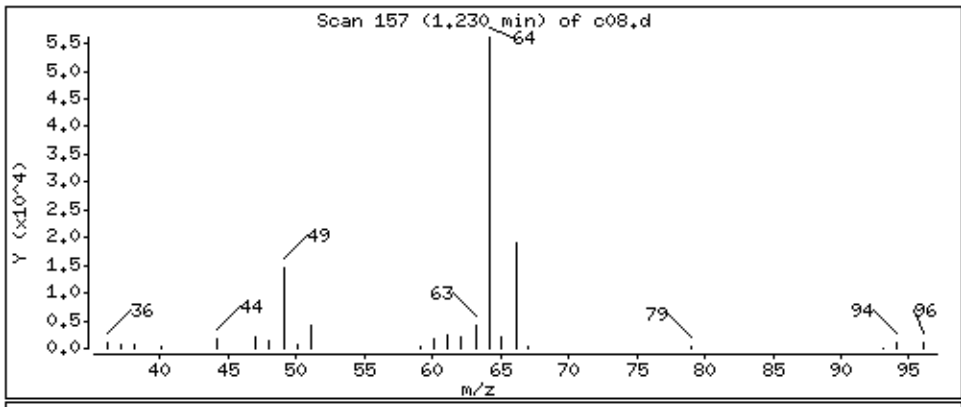
Column phase: DB-624

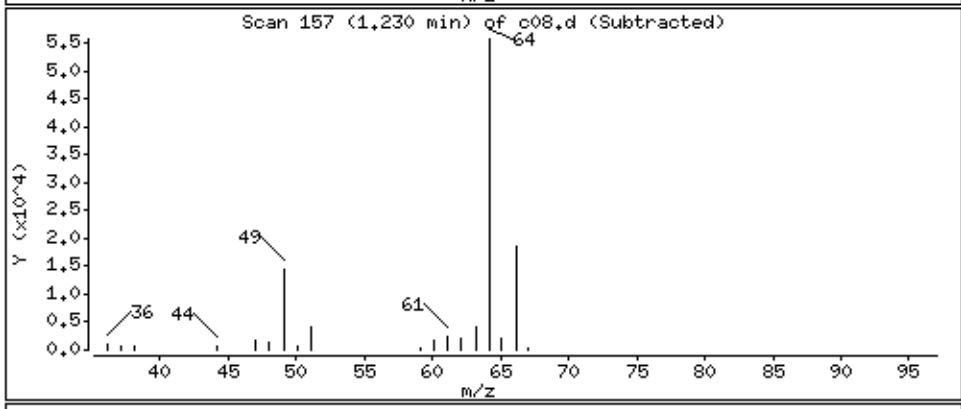
Column diameter: 0.18

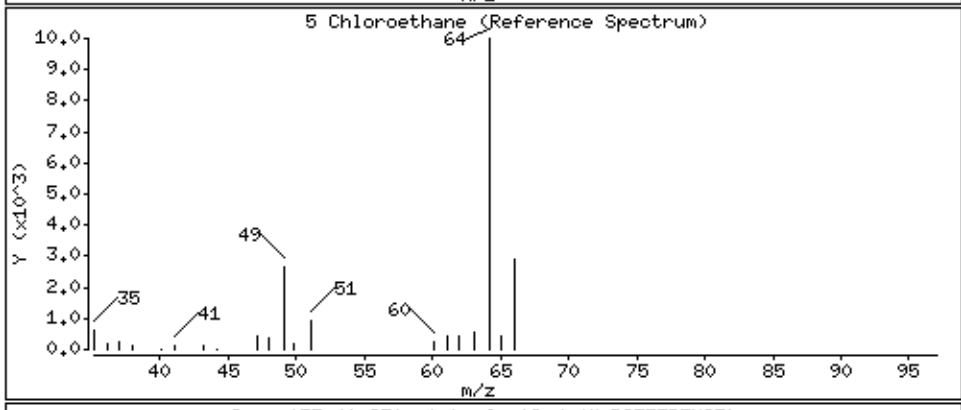
5 Chloroethane

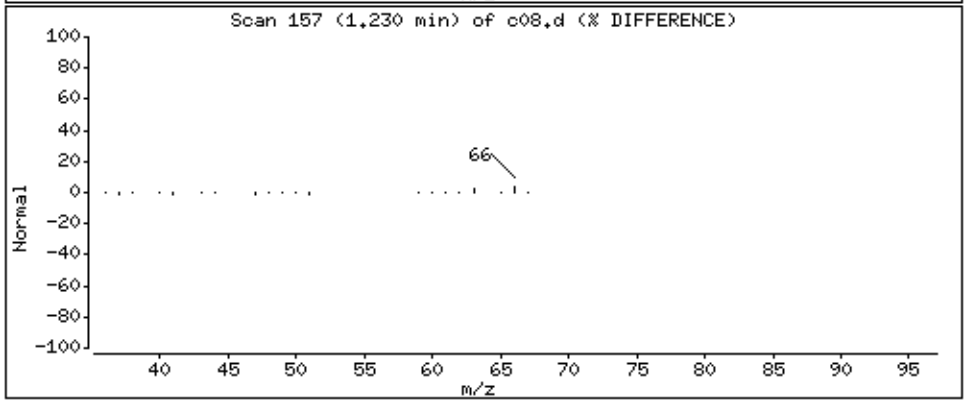
Concentration: 37.0 ppb

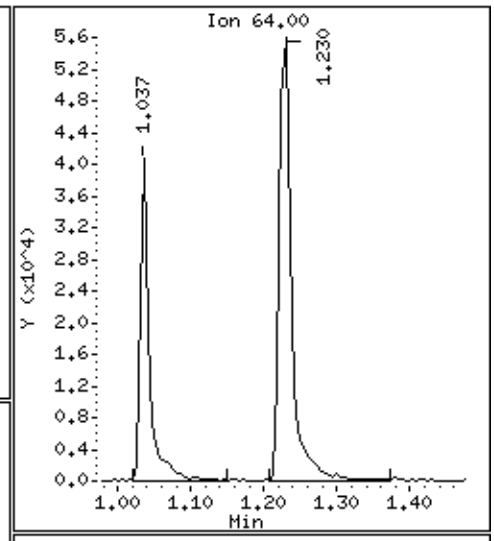
Review Code:

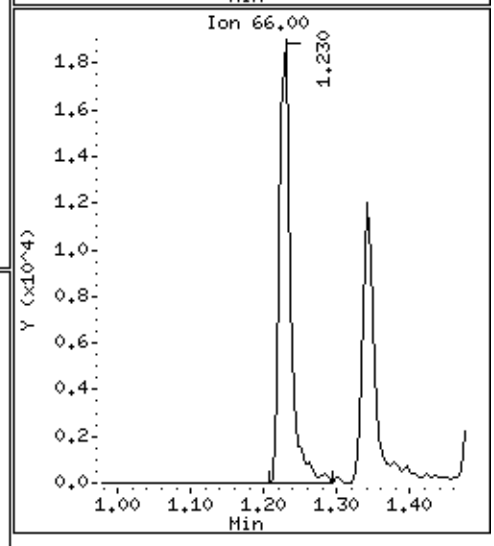












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

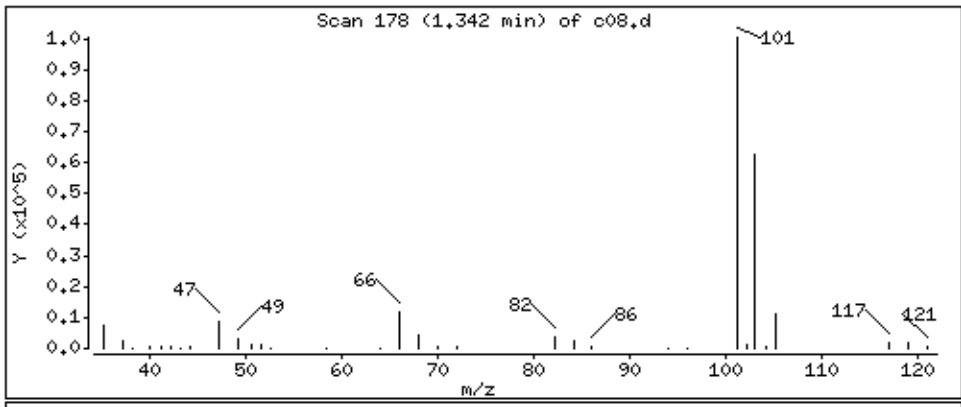
Column phase: DB-624

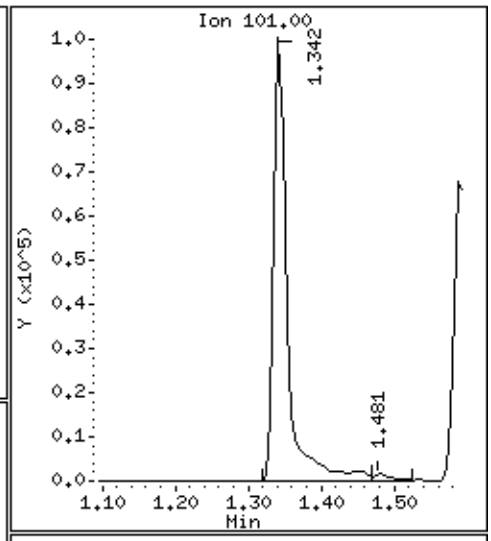
Column diameter: 0.18

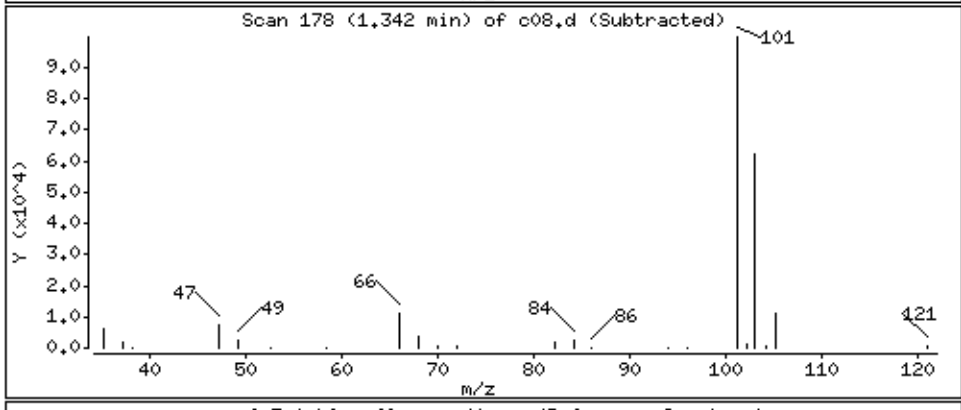
6 Trichlorofluoromethane

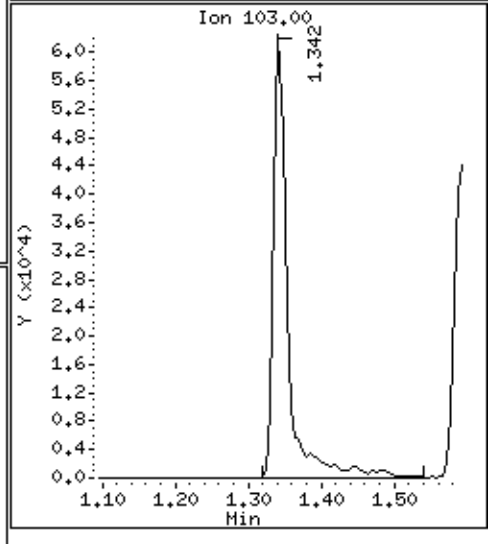
Concentration: 39.2 ppb

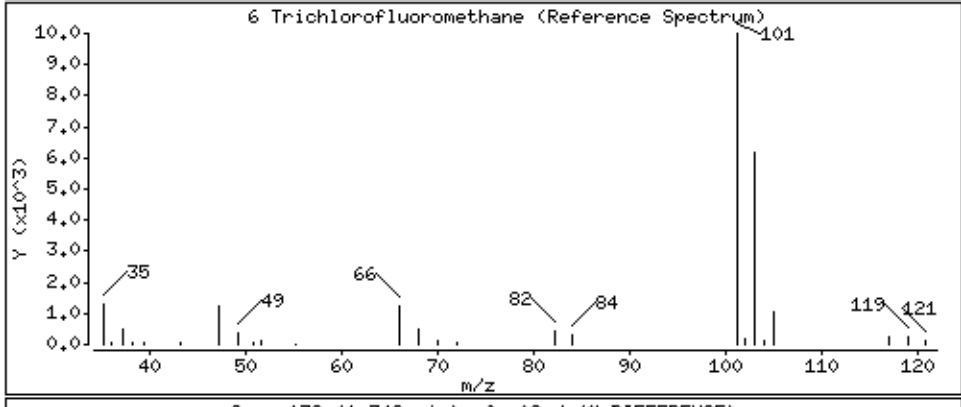
Review Code:

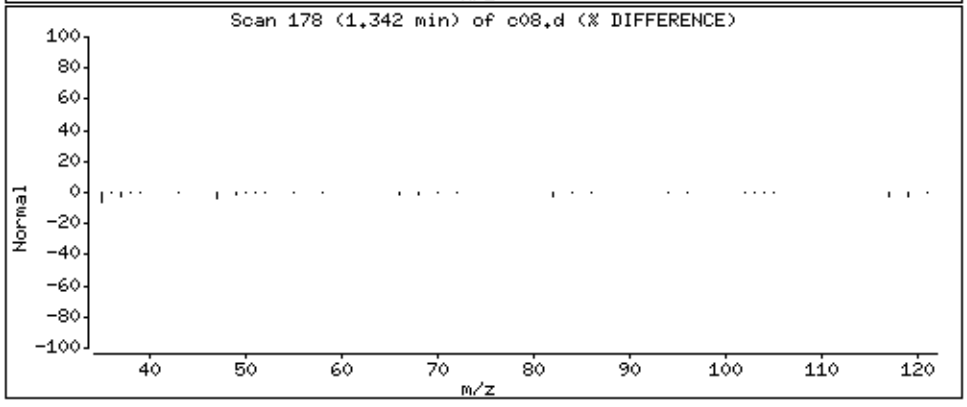












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

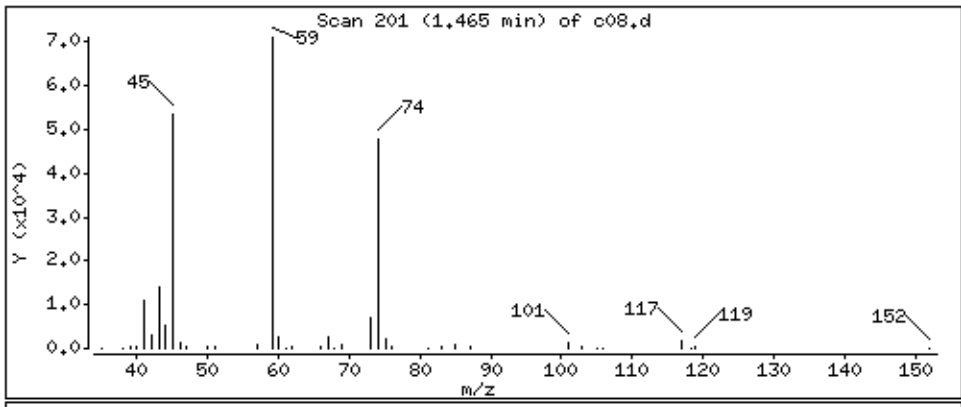
Column phase: DB-624

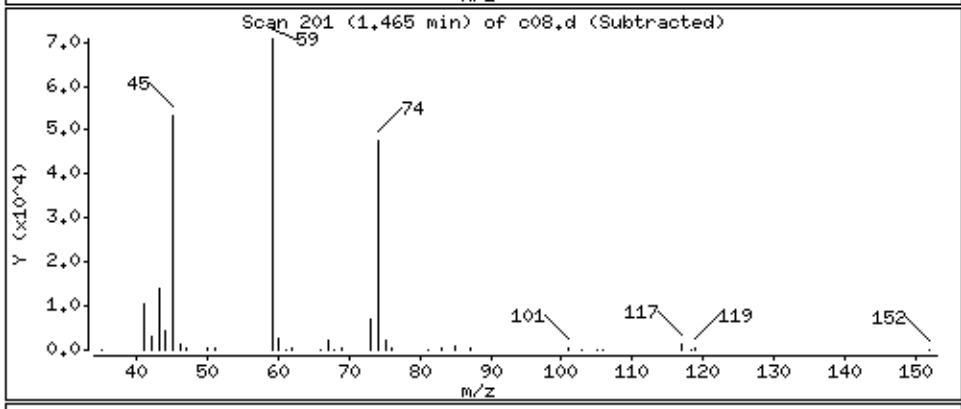
Column diameter: 0.18

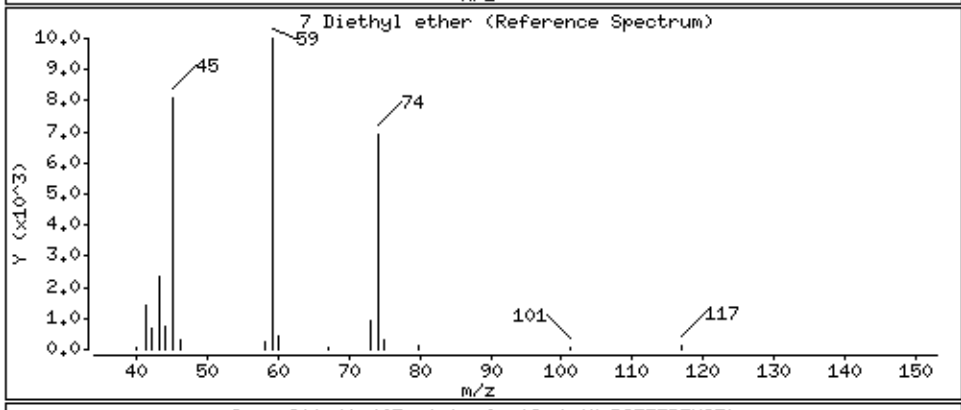
7 Diethyl ether

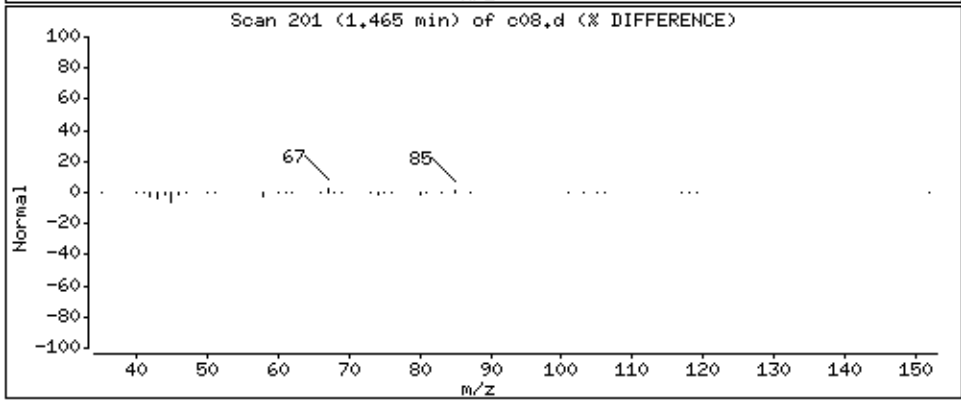
Concentration: 40.7 ppb

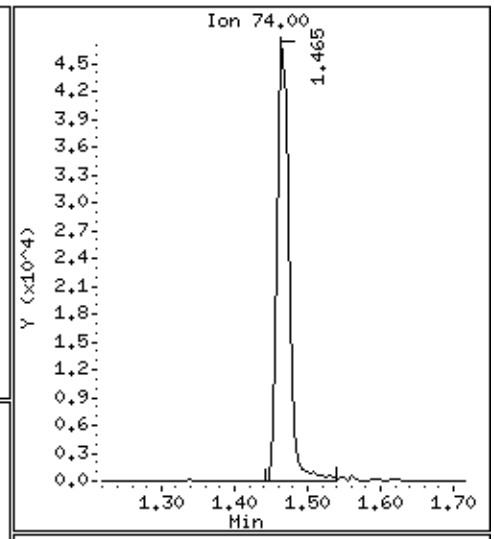
Review Code:

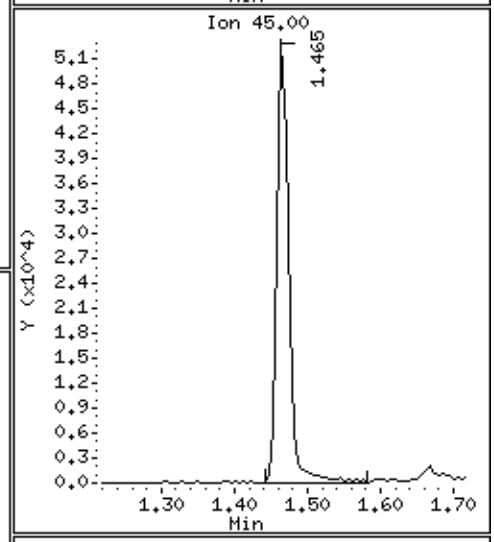


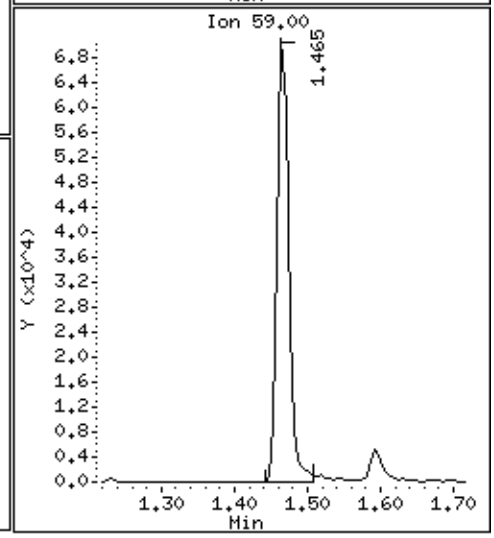












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

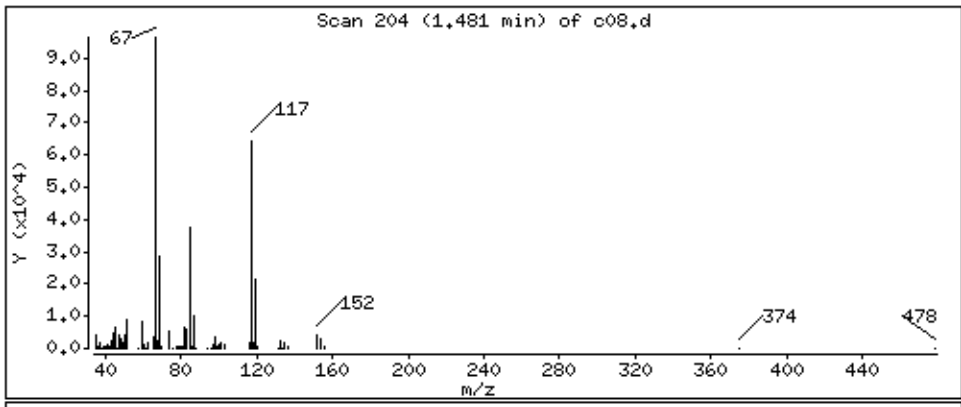
Column phase: DB-624

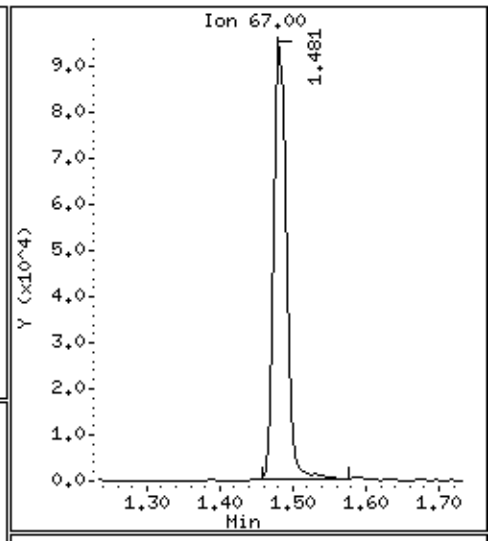
Column diameter: 0.18

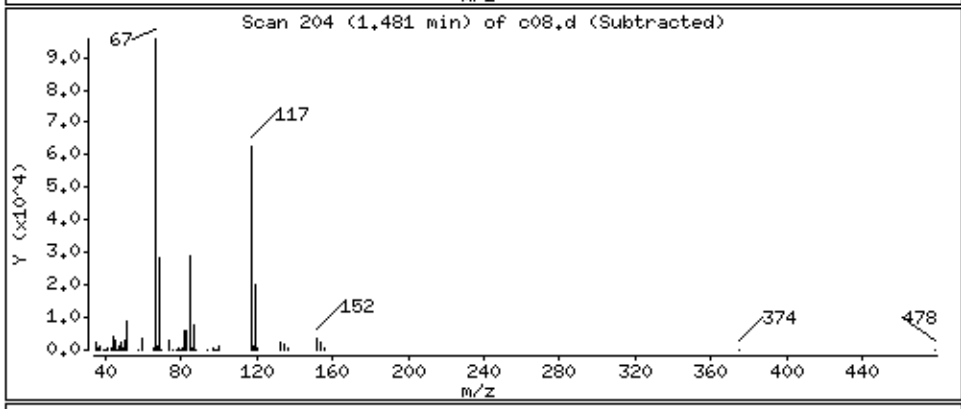
8 1,2-dichlorotrifluoroethane

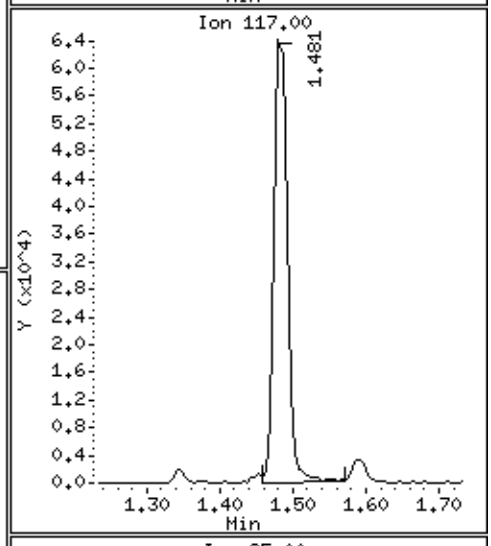
Concentration: 39.0 ppb

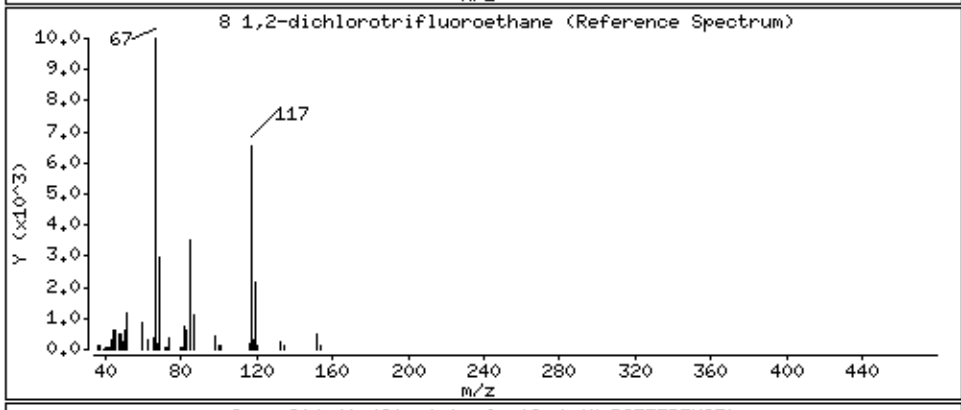
Review Code:

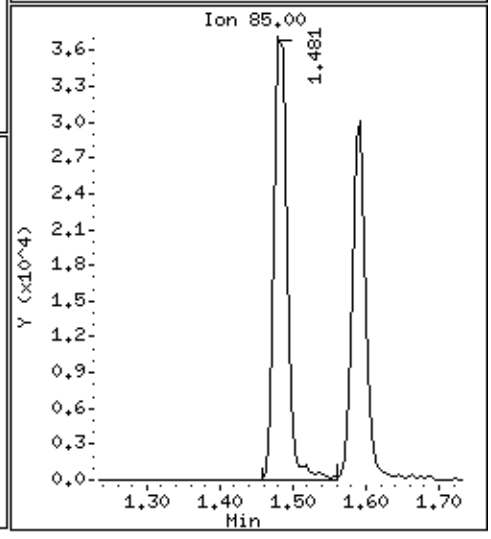


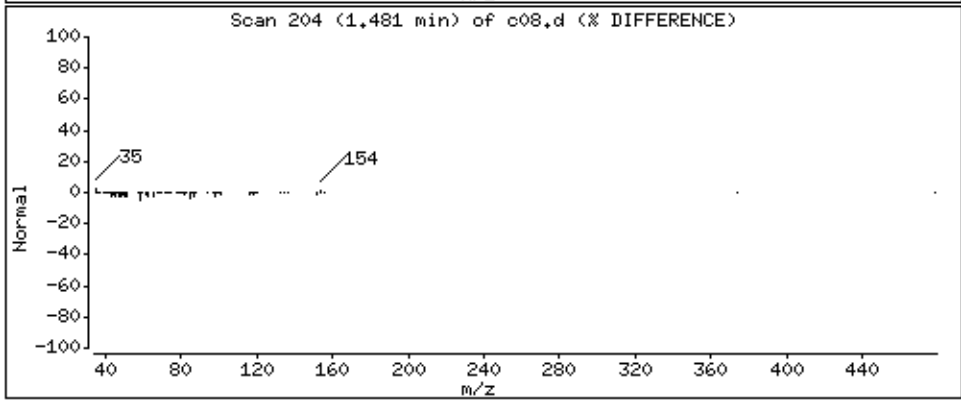












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

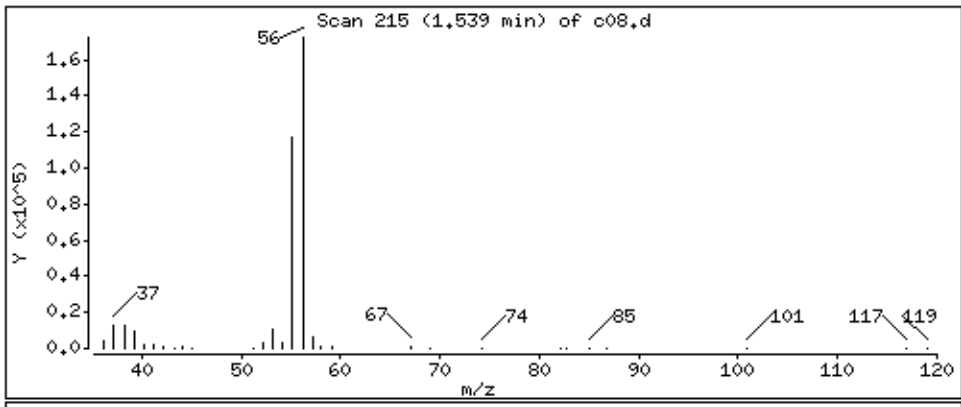
Column phase: DB-624

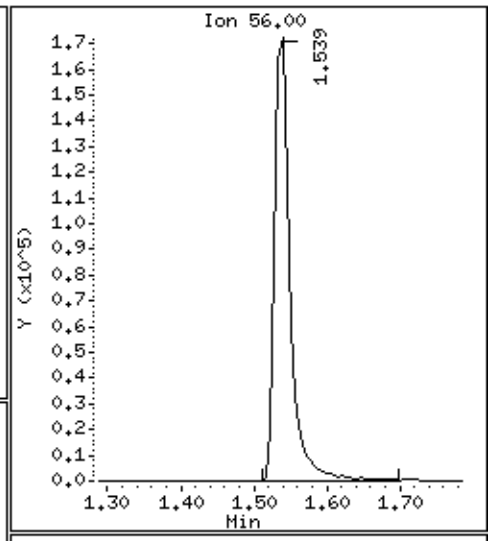
Column diameter: 0.18

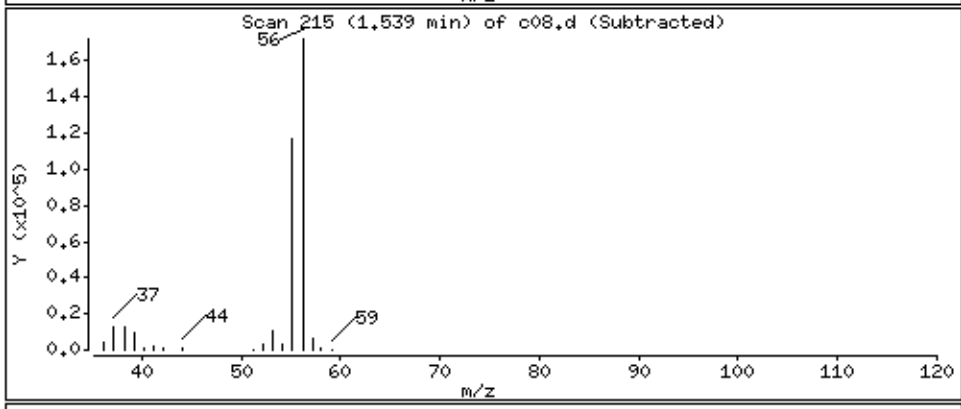
9 Acrolein

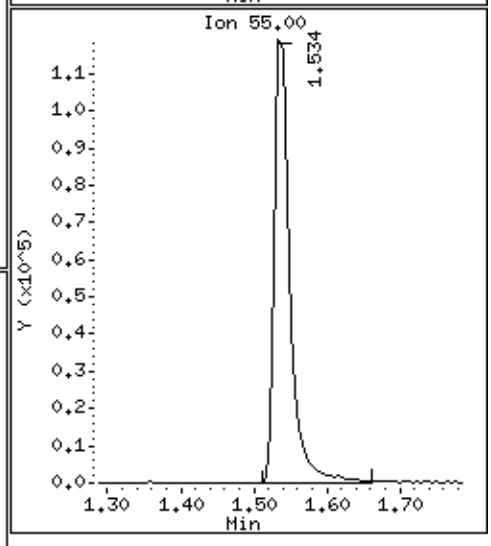
Concentration: 1120 ppb

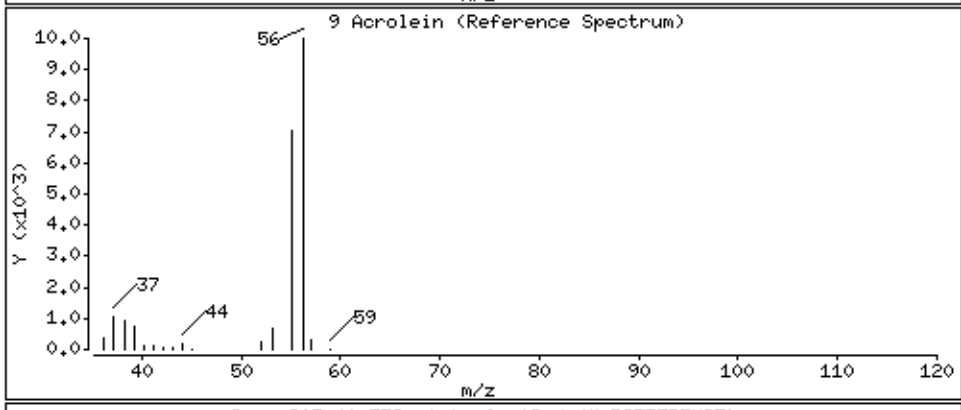
Review Code:

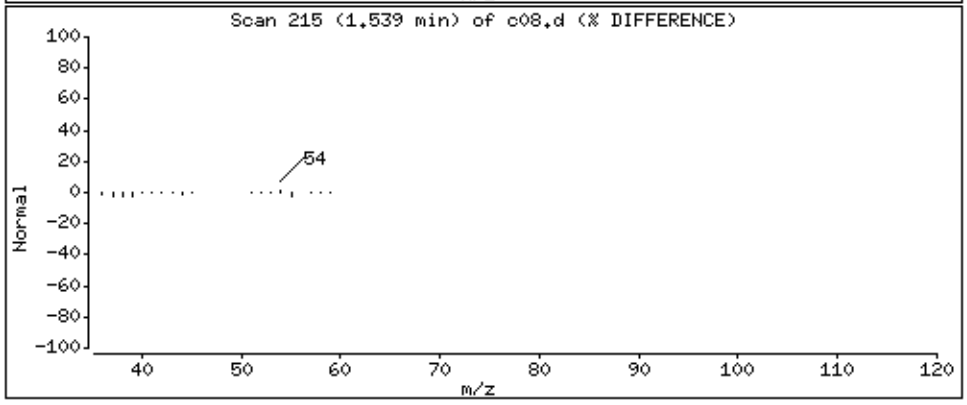












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

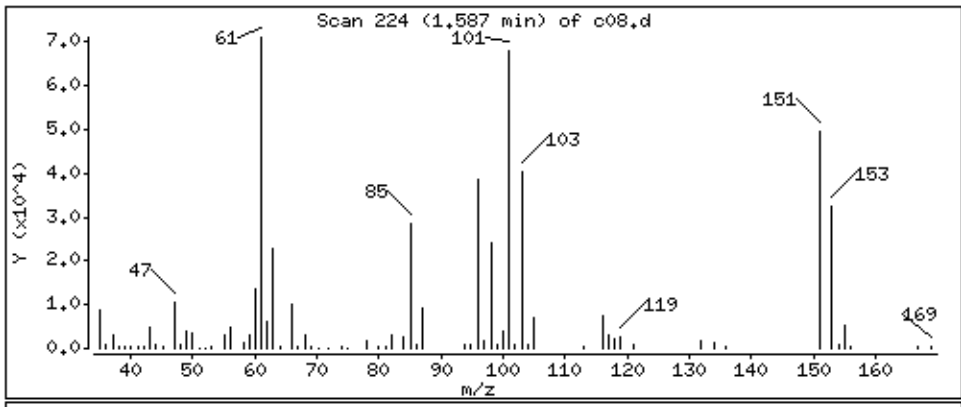
Column phase: DB-624

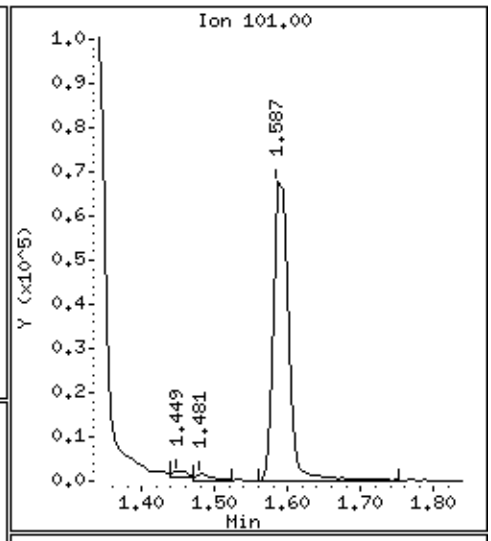
Column diameter: 0.18

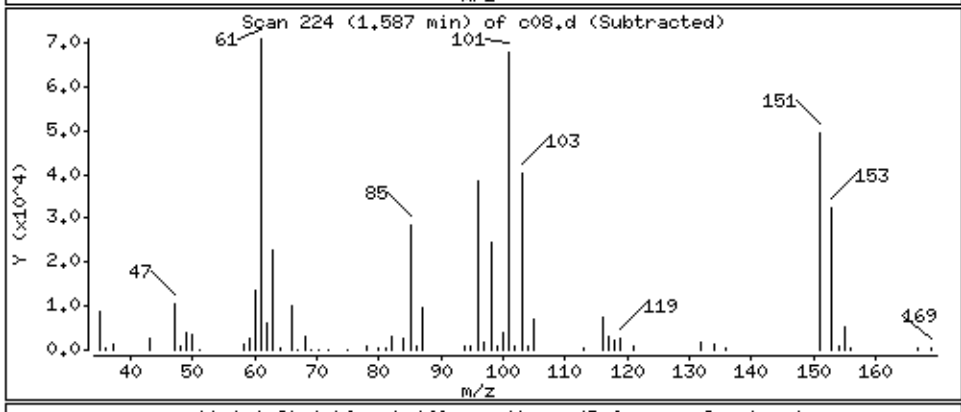
10 1,1,2trichlorotrifluoroethane

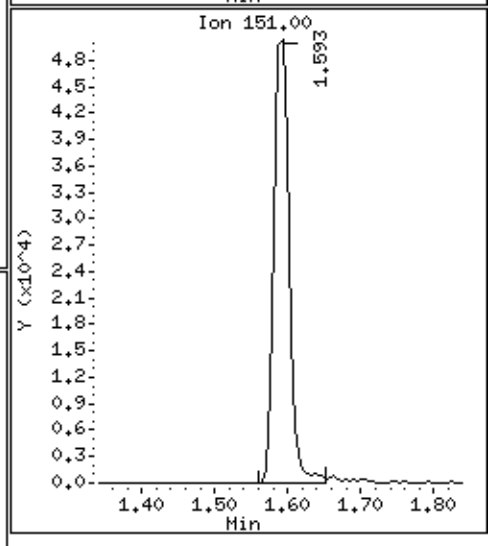
Concentration: 39.6 ppb

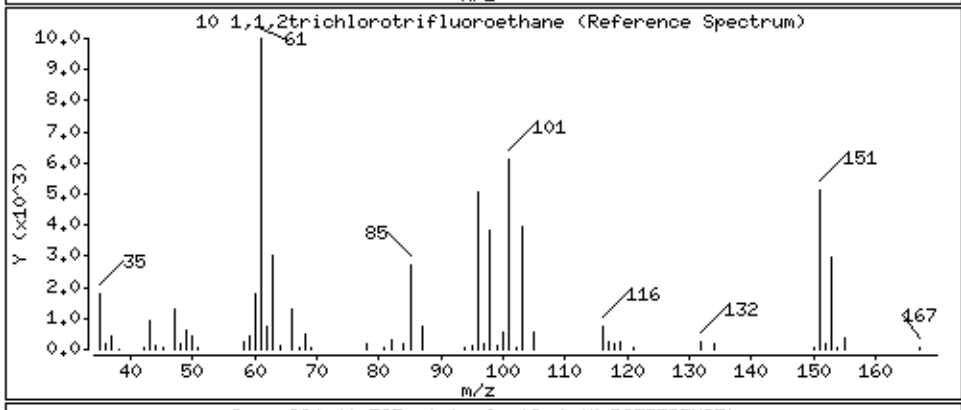
Review Code:

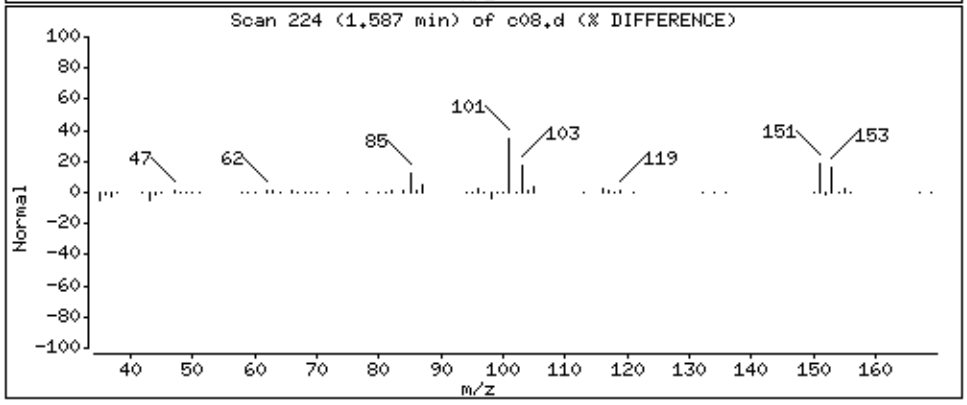












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

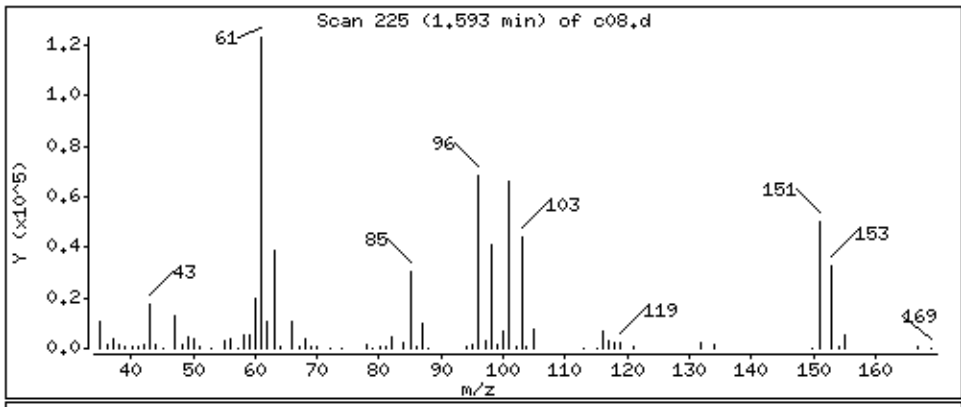
Column phase: DB-624

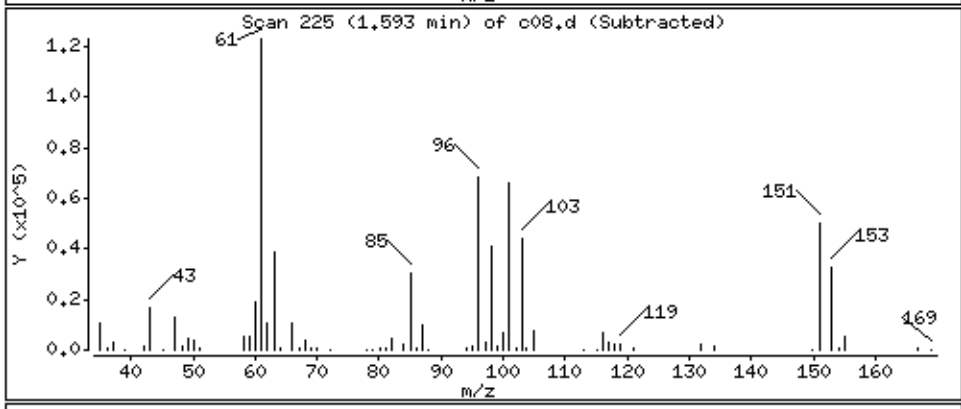
Column diameter: 0.18

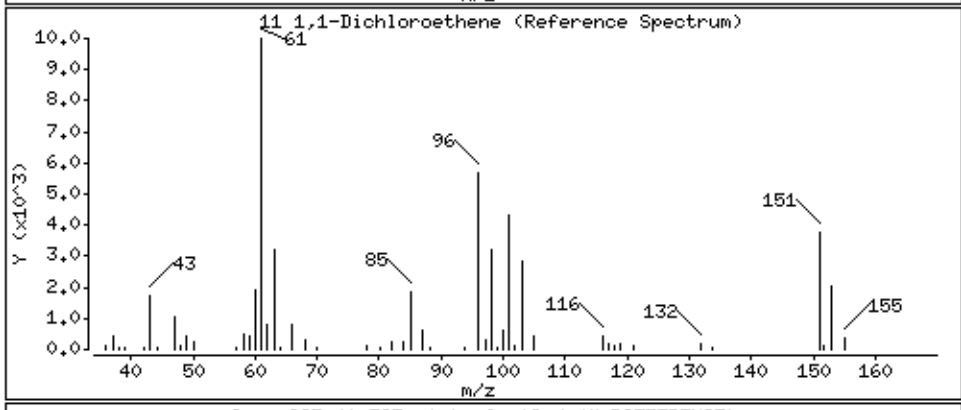
11 1,1-Dichloroethene

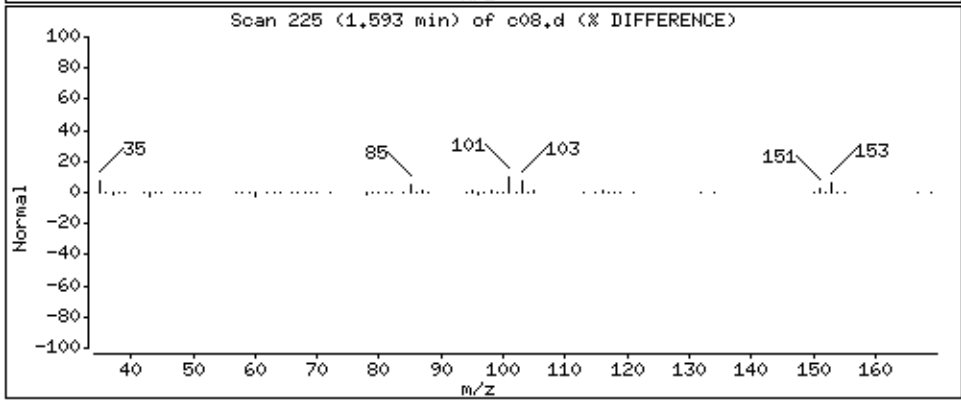
Concentration: 40.4 ppb

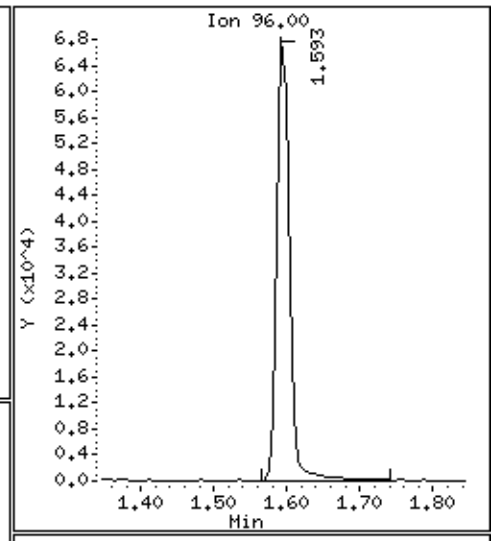
Review Code:

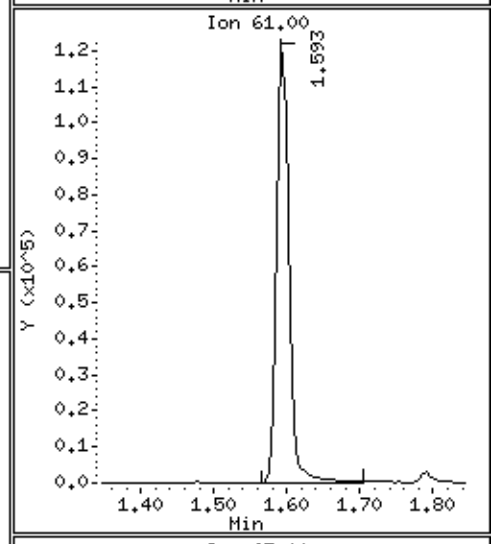


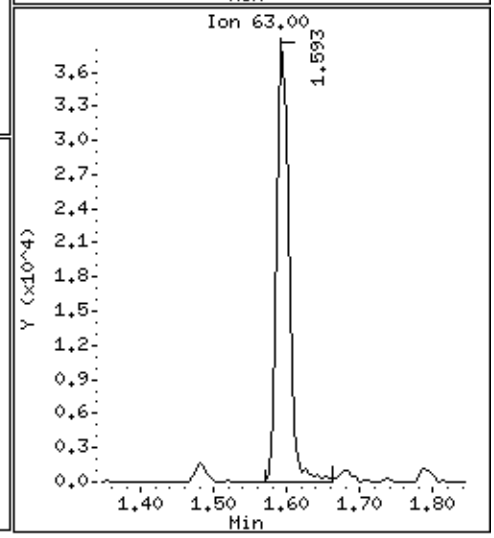












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

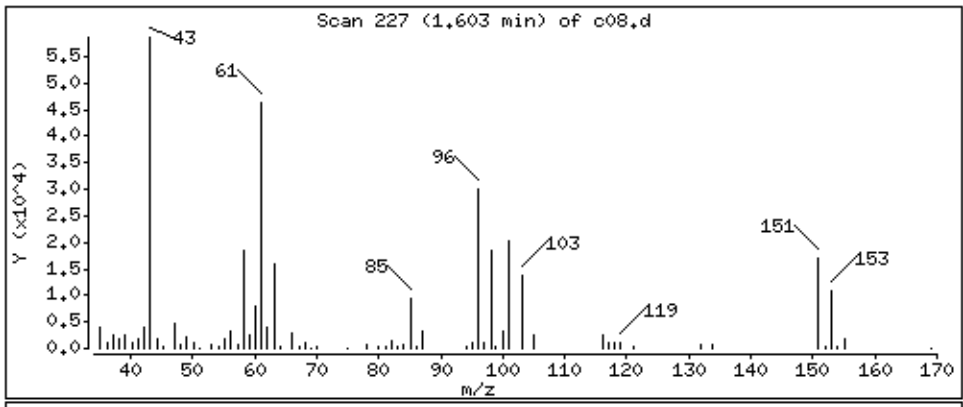
Column phase: DB-624

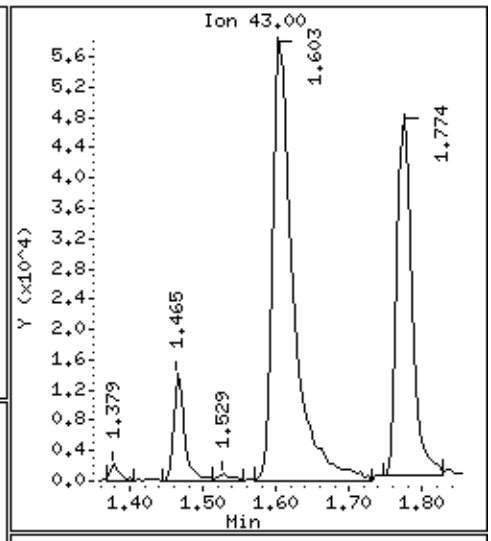
Column diameter: 0.18

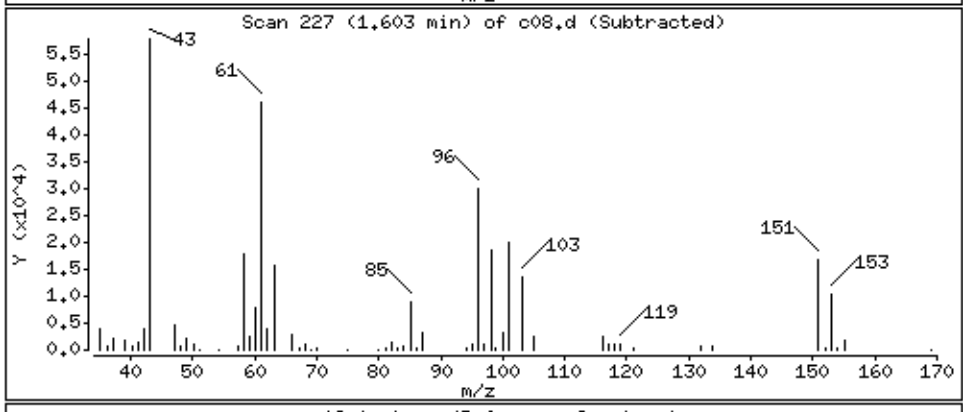
12 Acetone

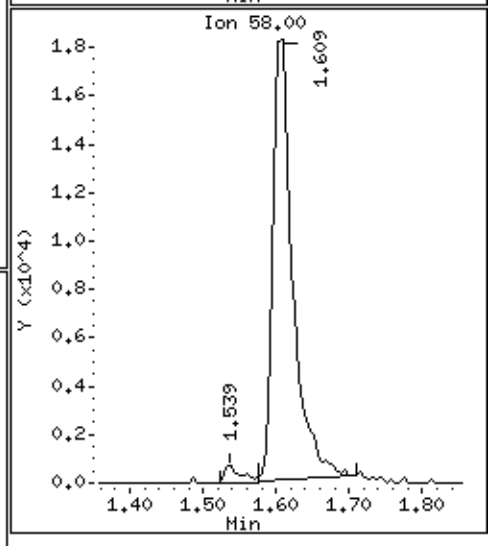
Concentration: 286 ppb

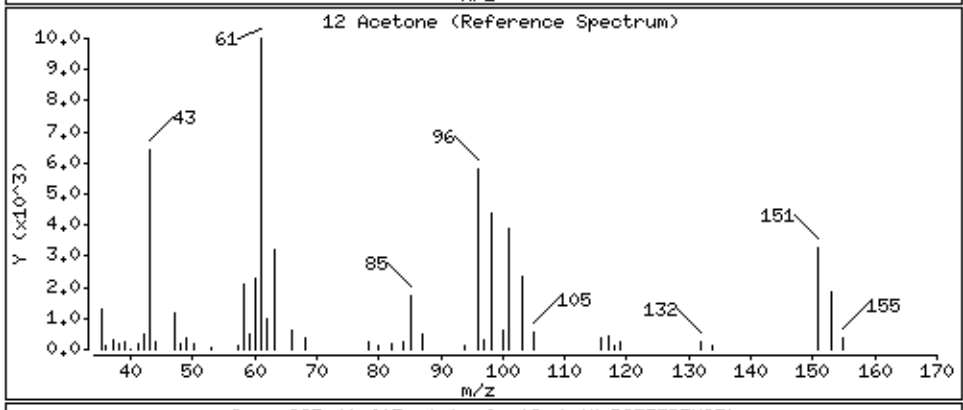
Review Code:

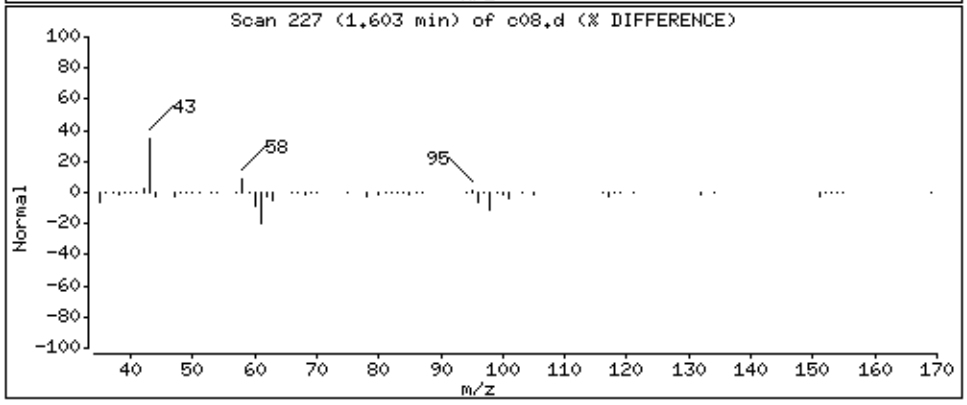












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

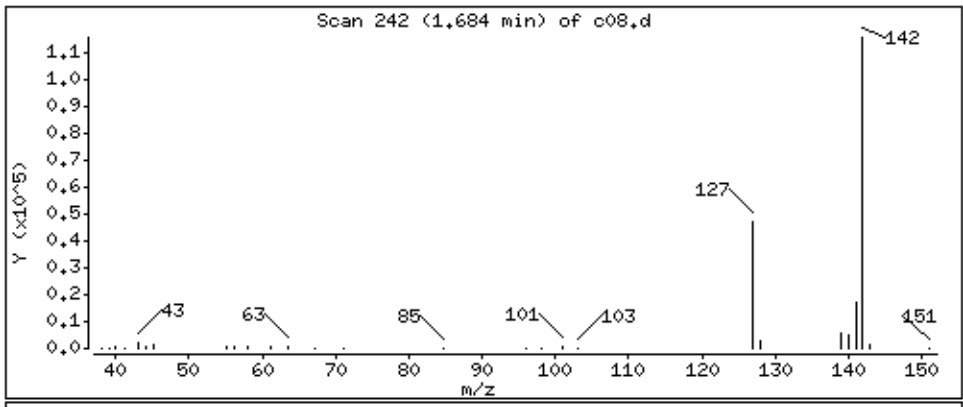
Column phase: DB-624

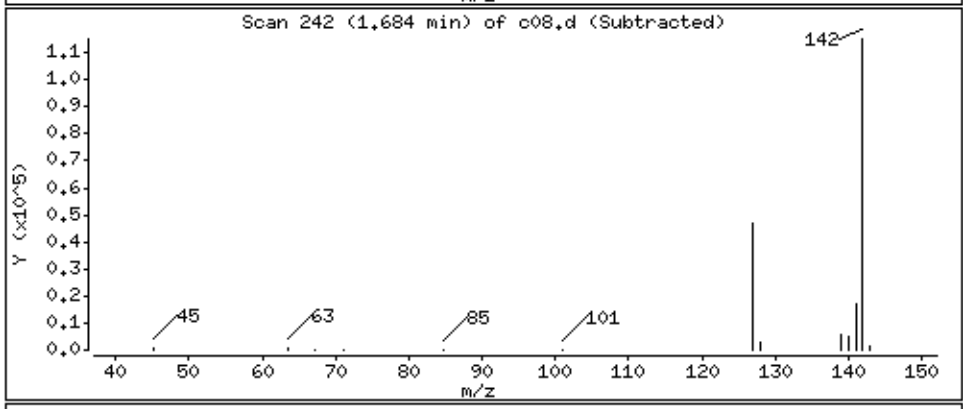
Column diameter: 0.18

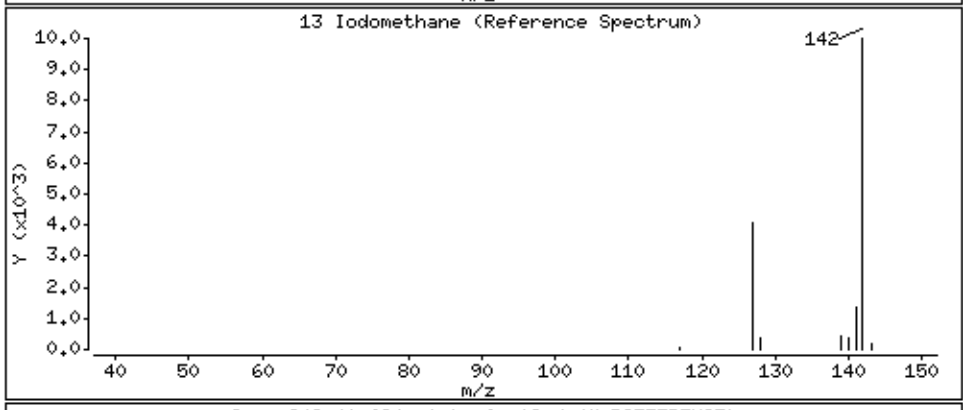
13 Iodomethane

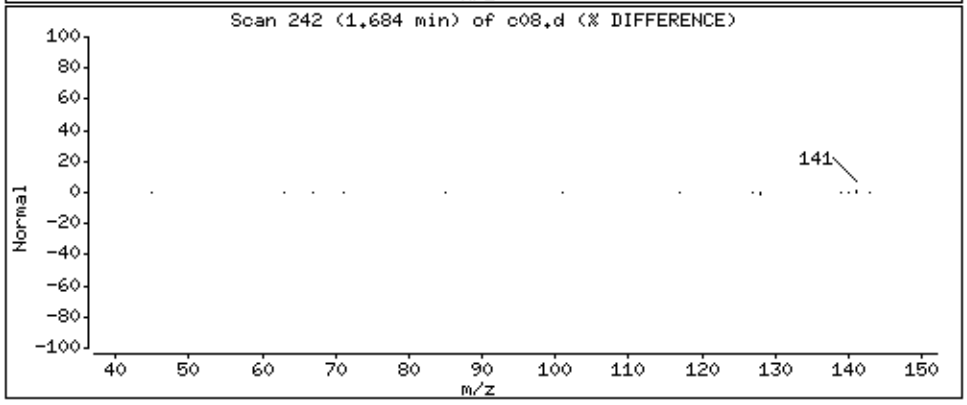
Concentration: 89.1 ppb

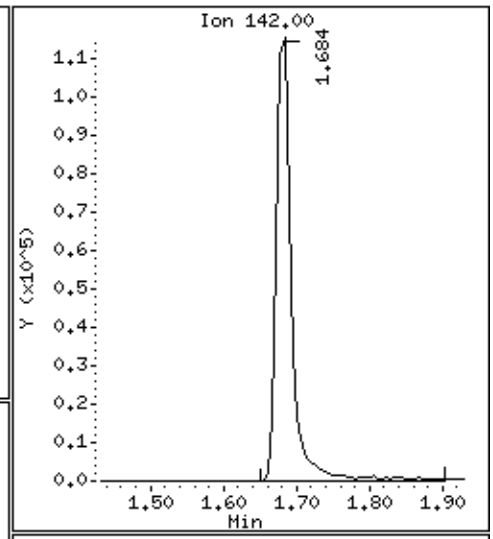
Review Code:

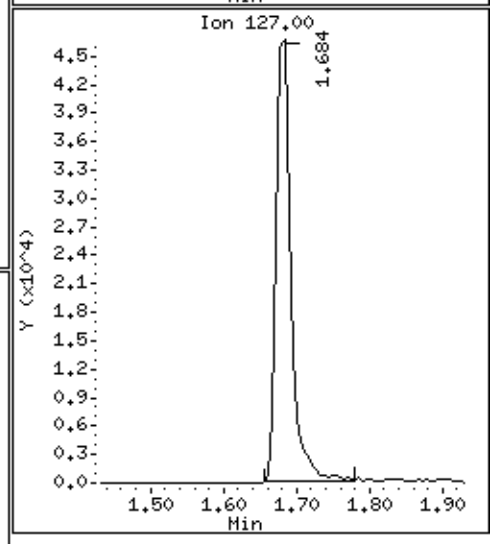












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

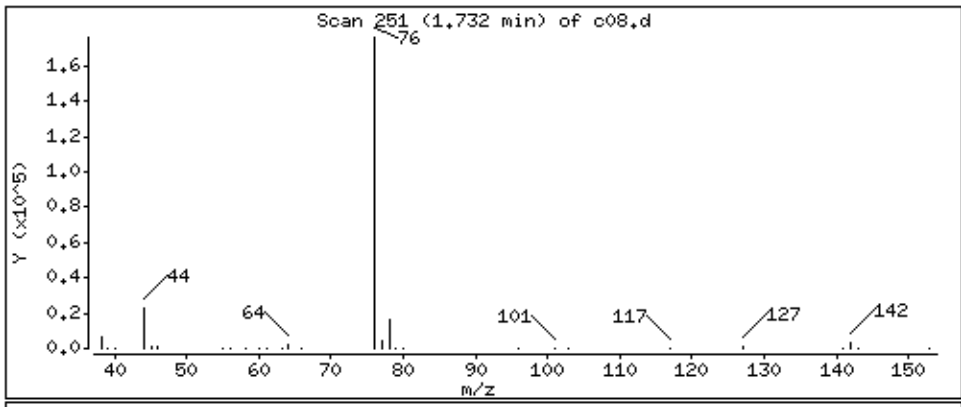
Column phase: DB-624

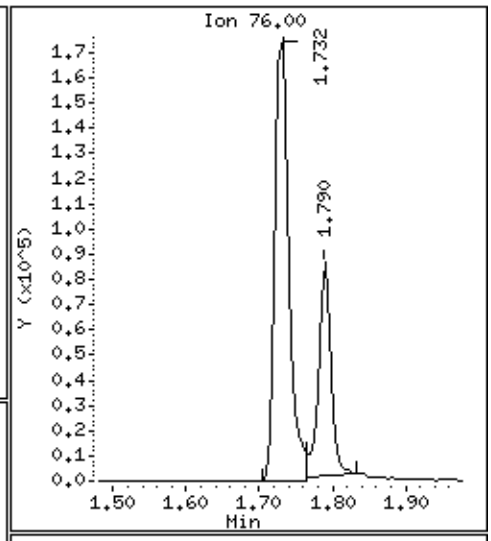
Column diameter: 0.18

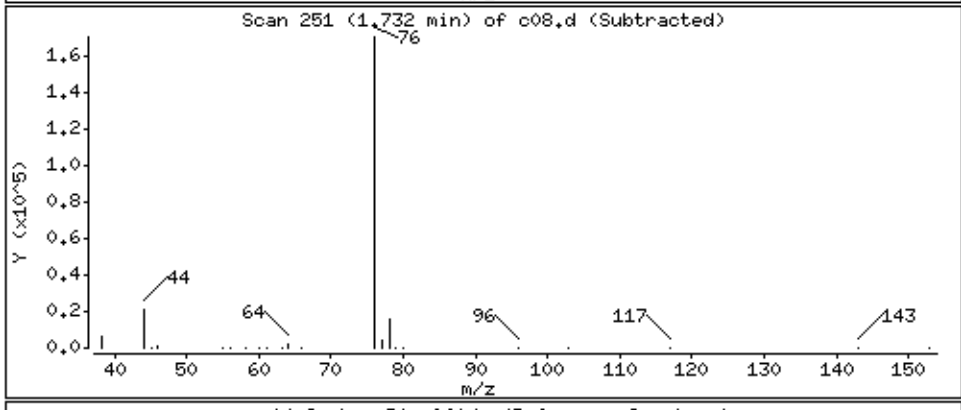
14 Carbon Disulfide

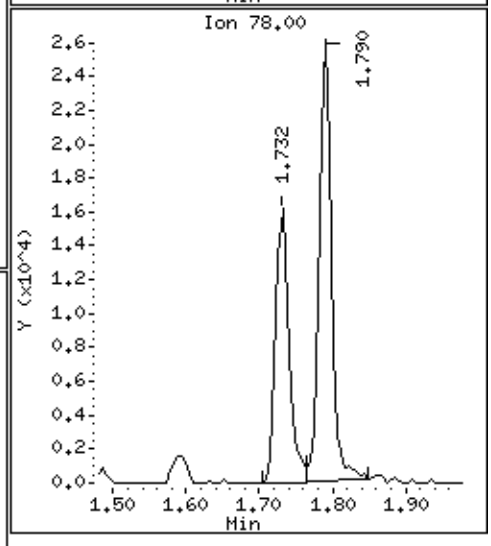
Concentration: 37.2 ppb

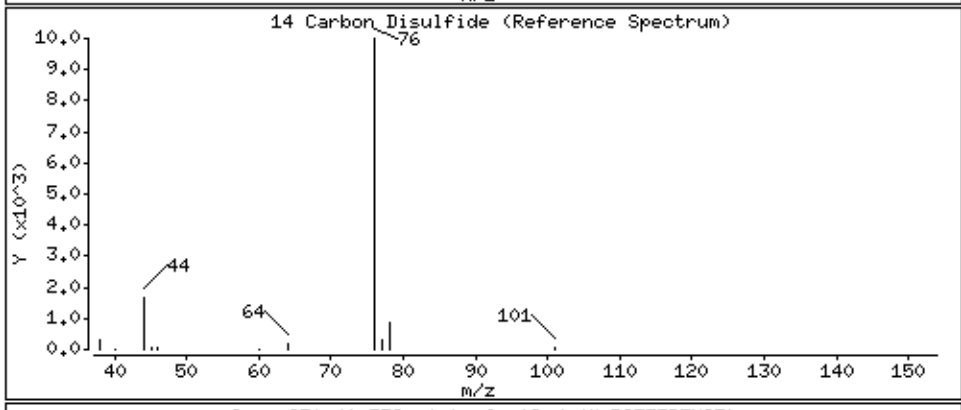
Review Code:

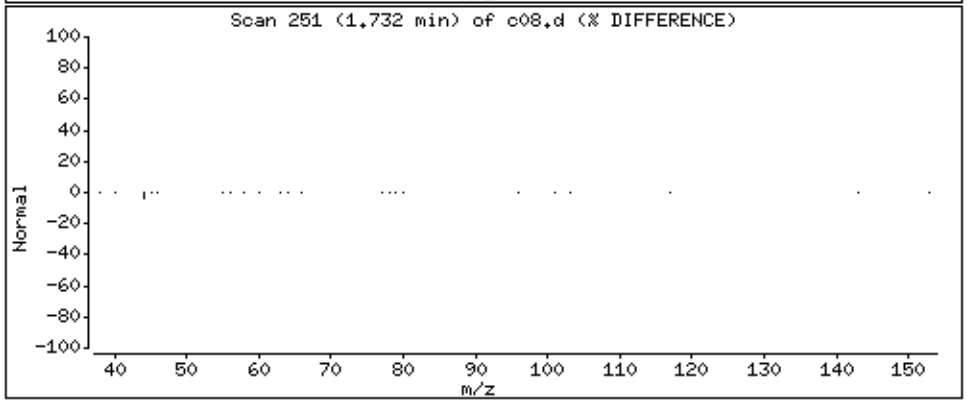












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

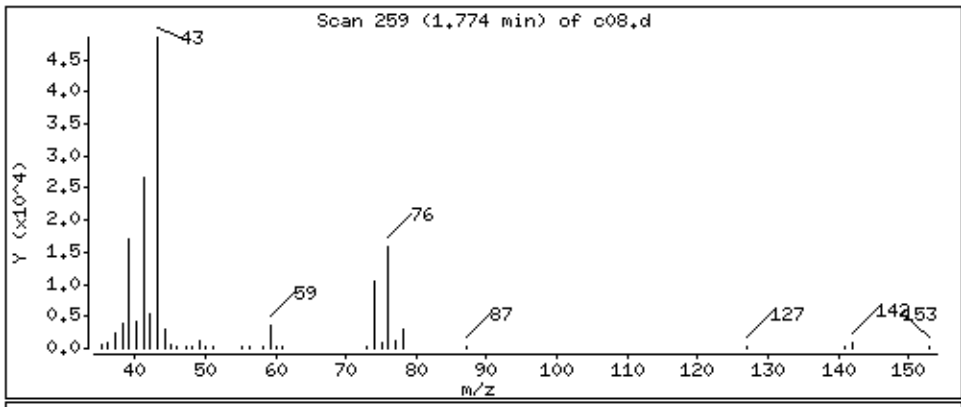
Column phase: DB-624

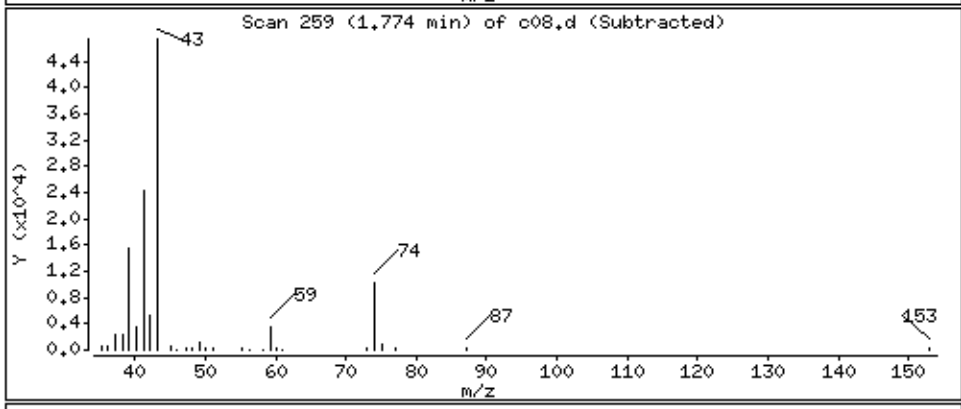
Column diameter: 0.18

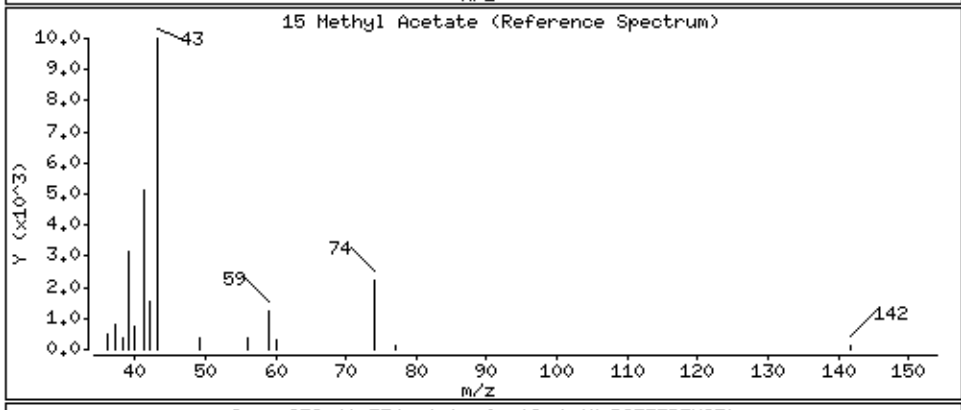
15 Methyl Acetate

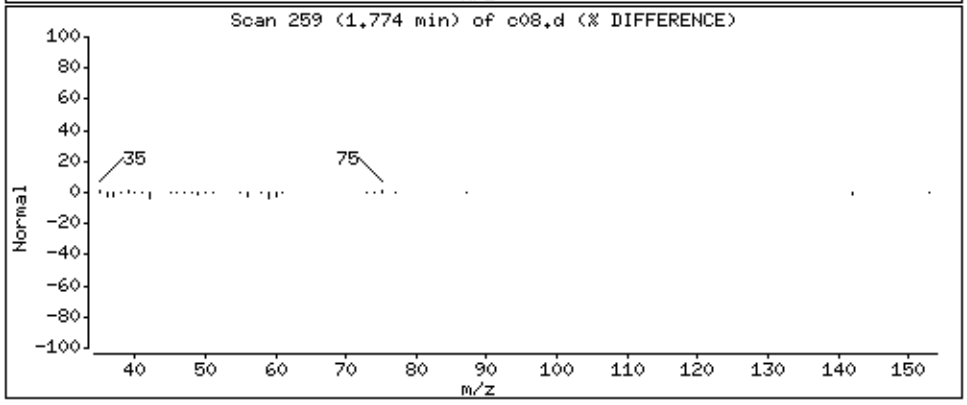
Concentration: 55.8 ppb

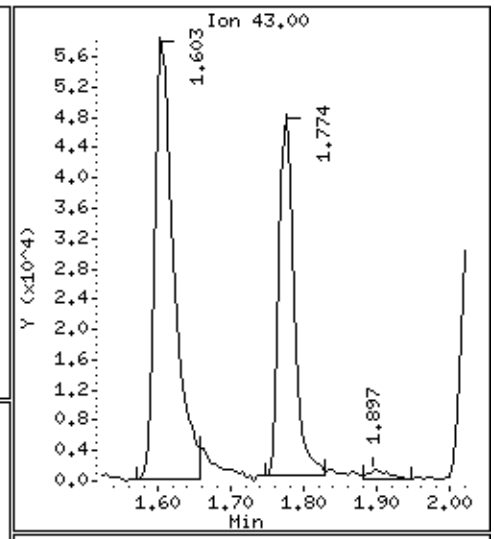
Review Code:

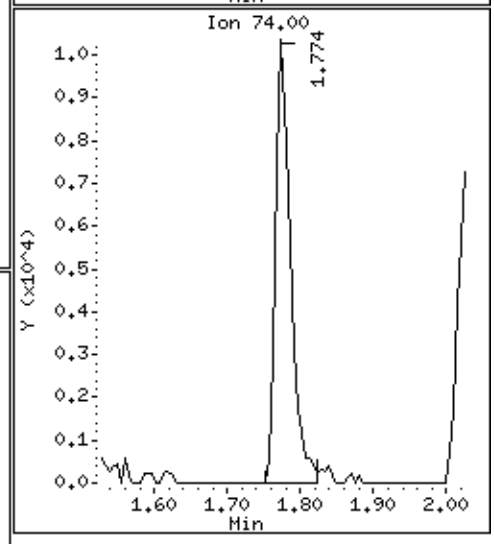












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

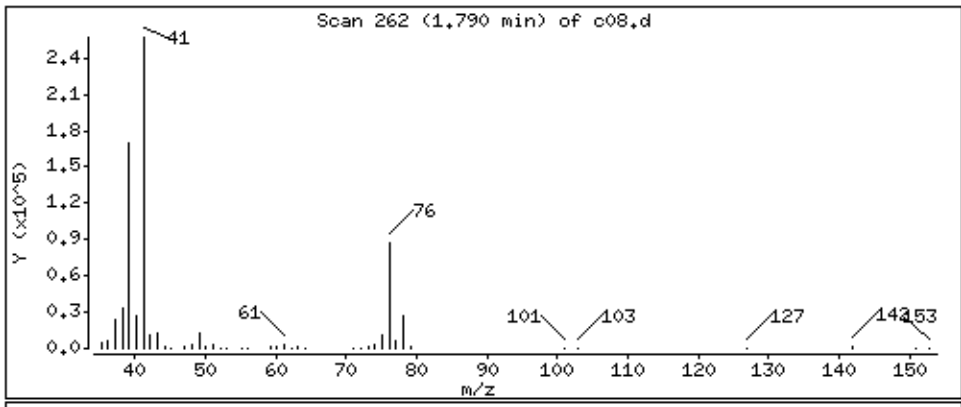
Column phase: DB-624

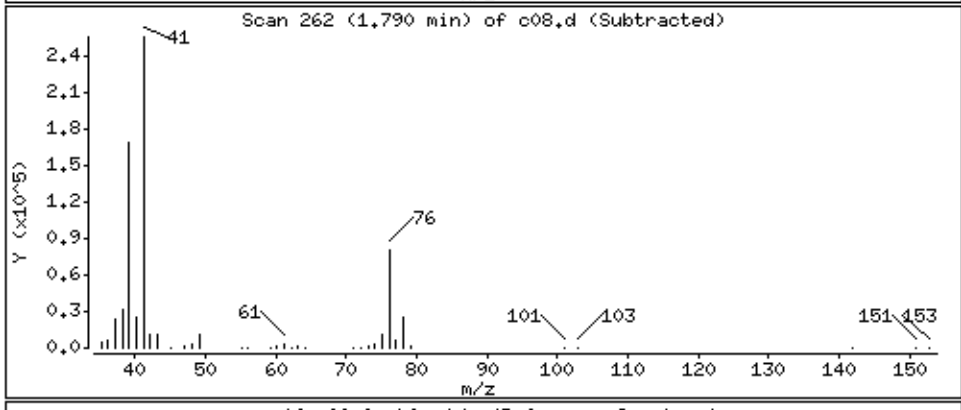
Column diameter: 0.18

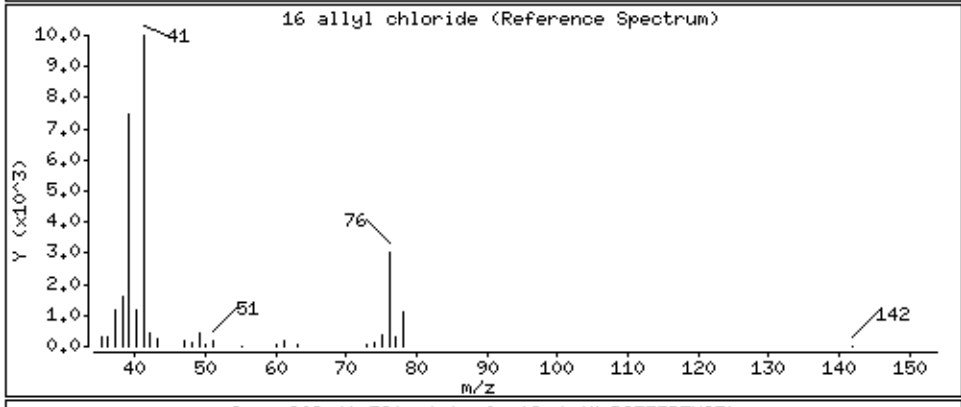
16 allyl chloride

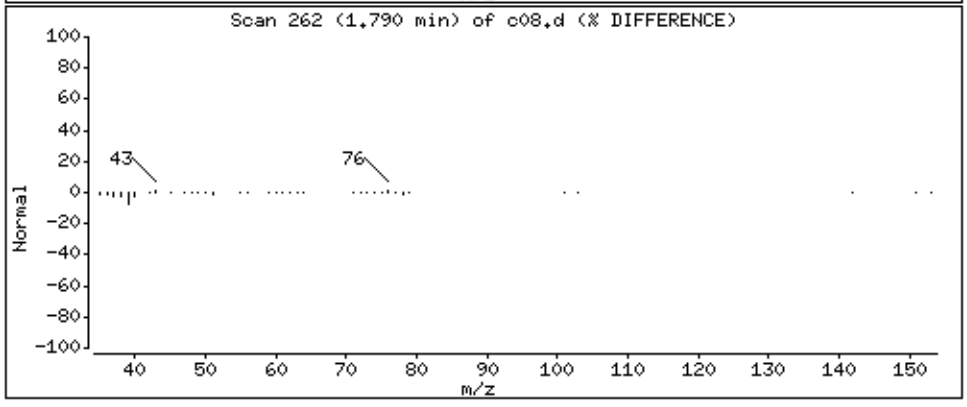
Concentration: 84.9 ppb

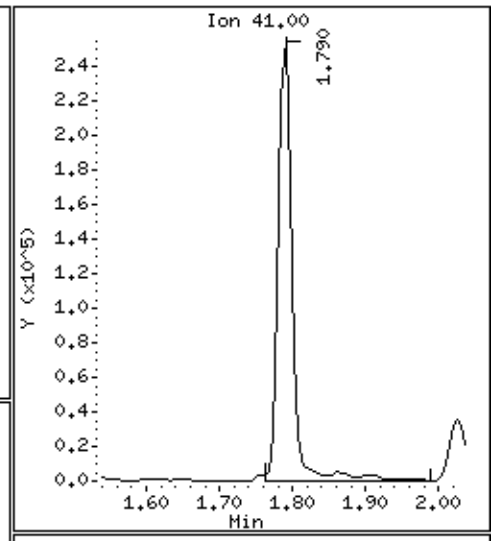
Review Code:

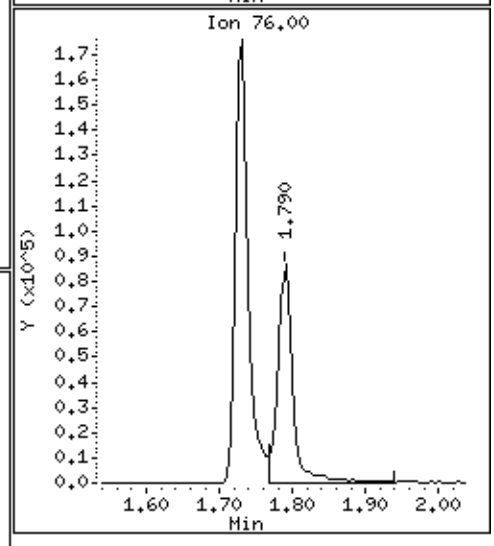












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

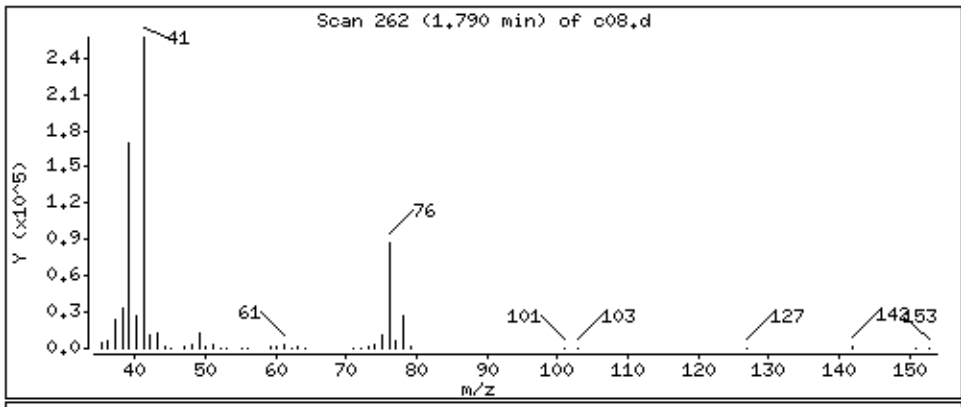
Column phase: DB-624

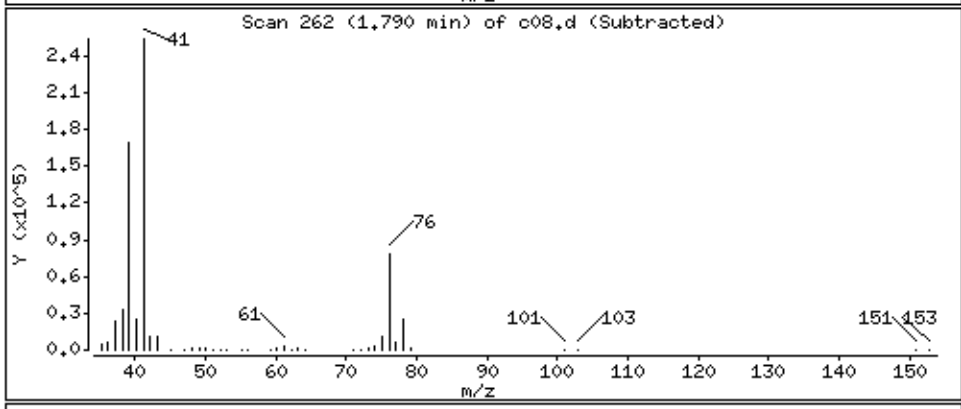
Column diameter: 0.18

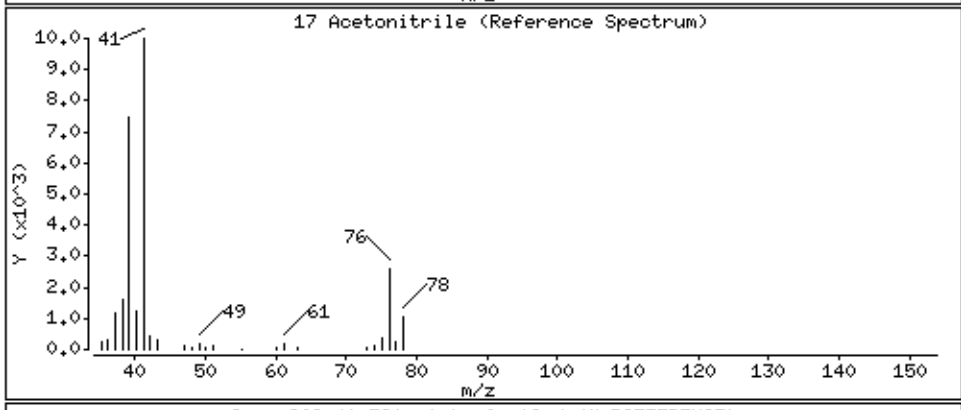
17 Acetonitrile

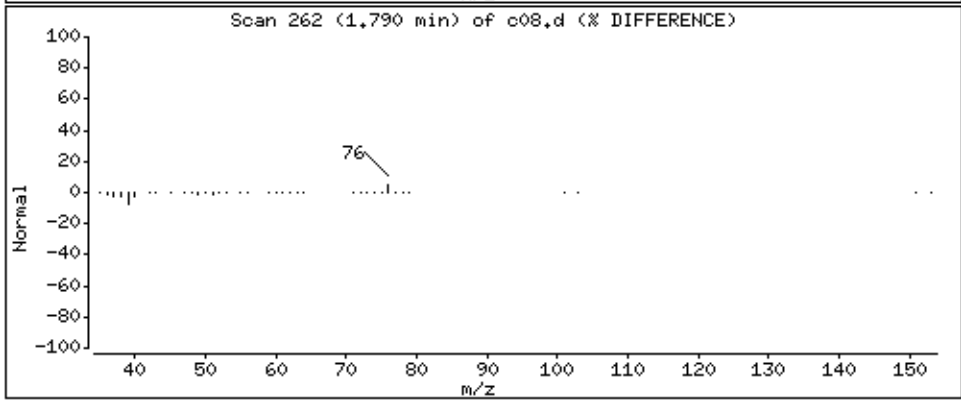
Concentration: 37.0 ppb

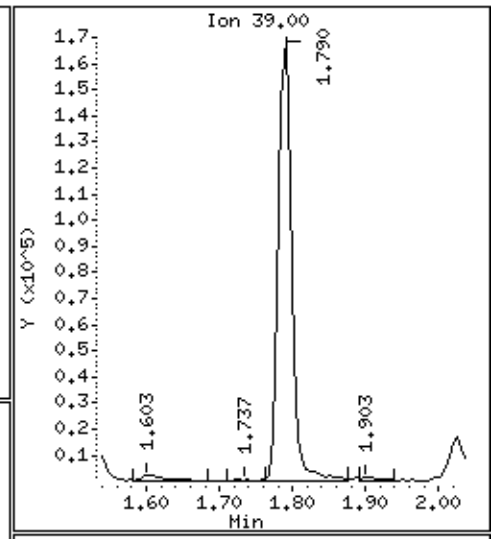
Review Code:

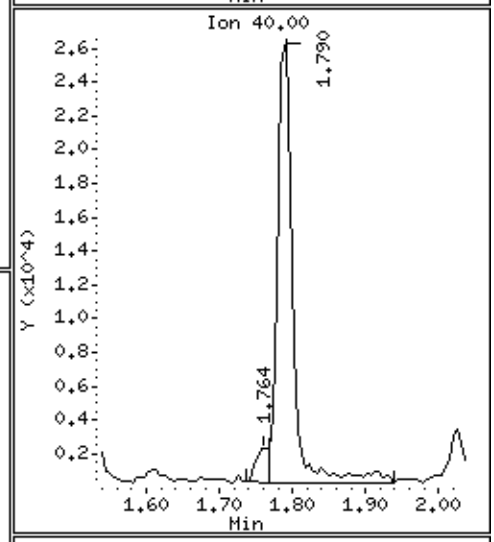


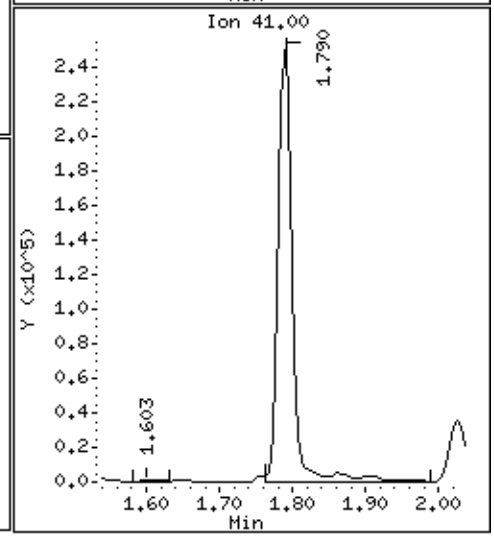












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

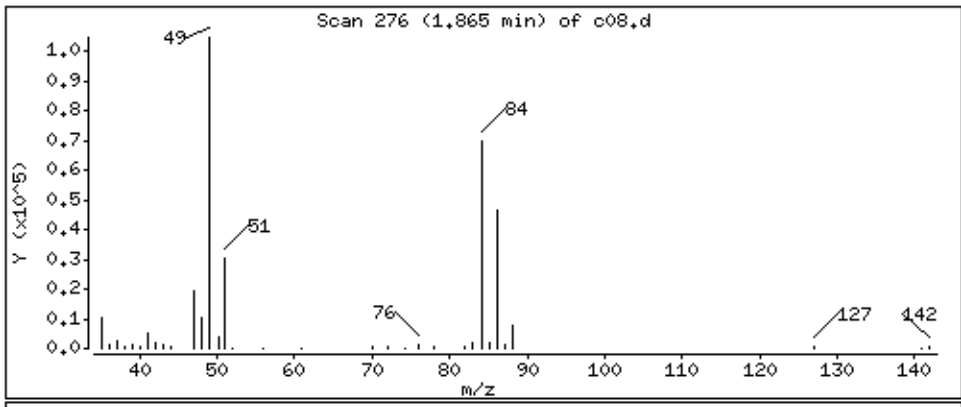
Column phase: DB-624

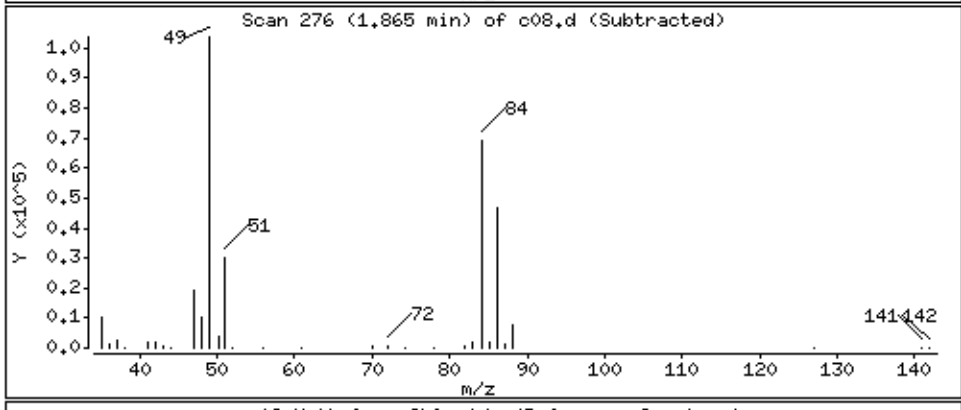
Column diameter: 0.18

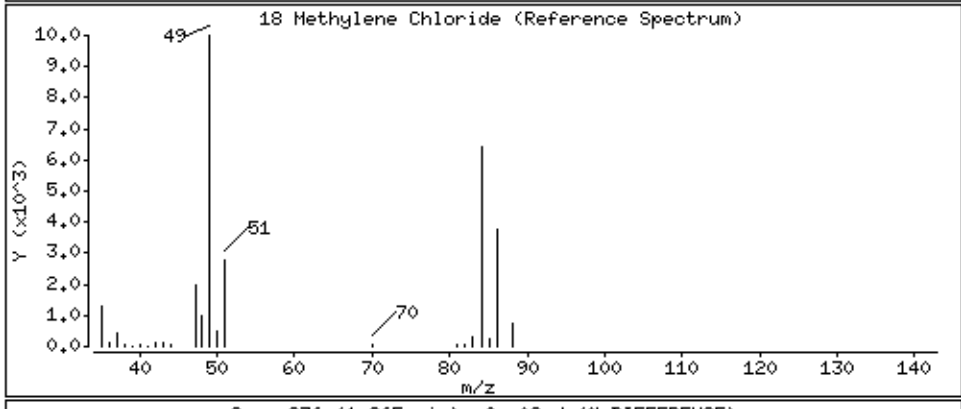
18 Methylene Chloride

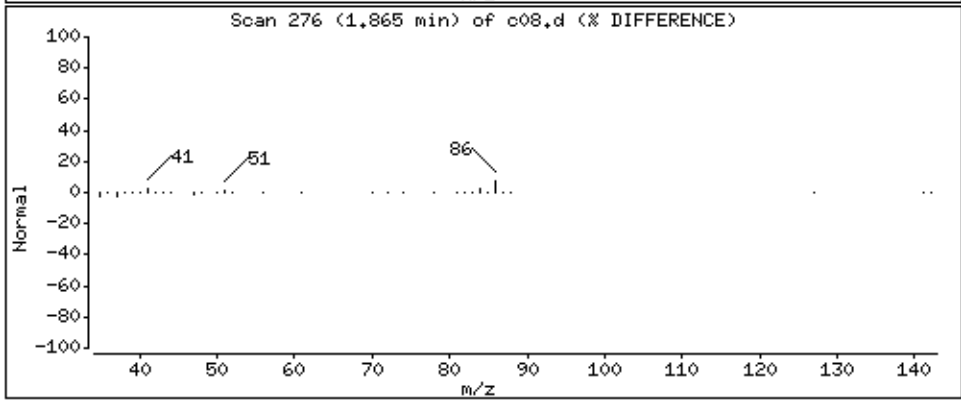
Concentration: 51.1 ppb

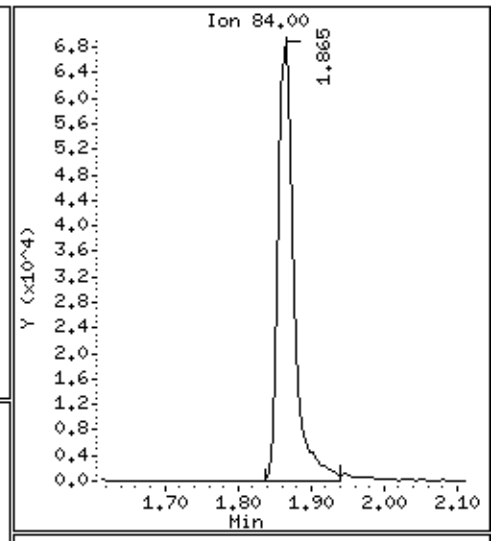
Review Code:

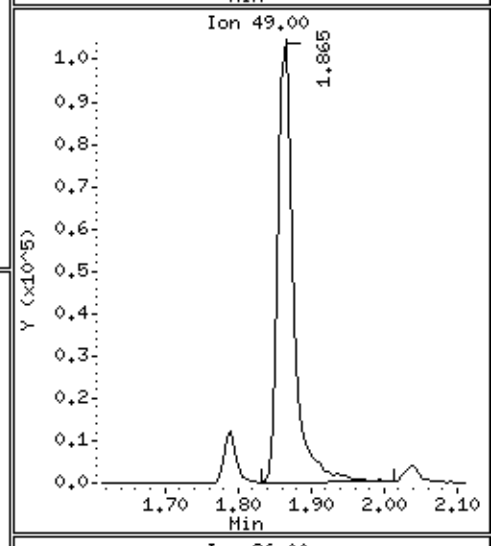


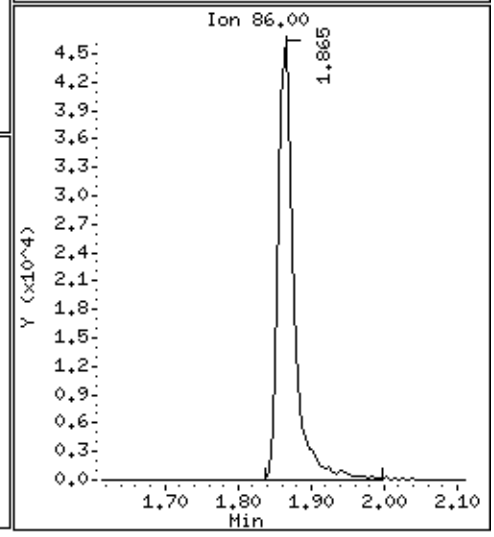












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

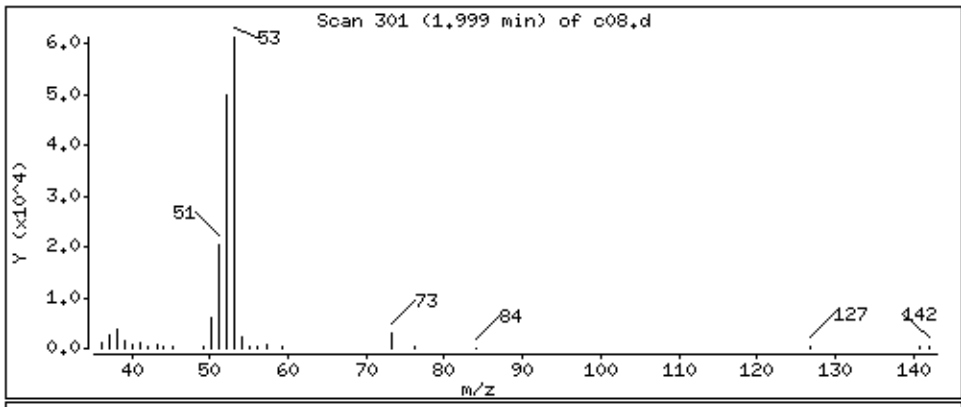
Column phase: DB-624

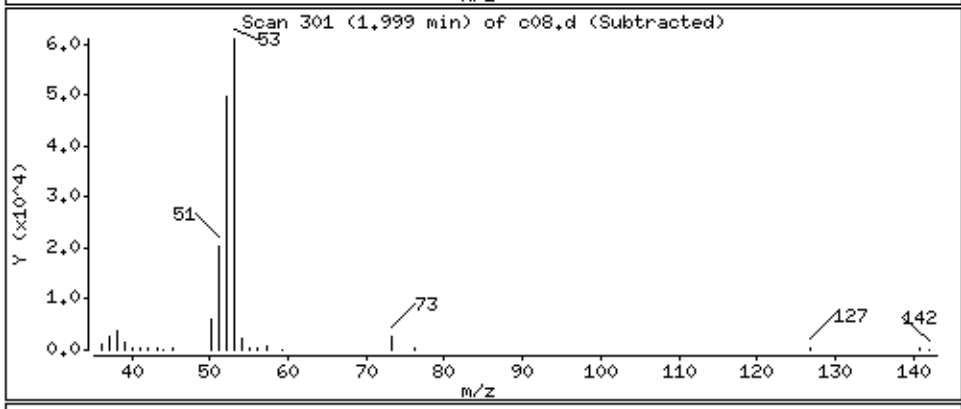
Column diameter: 0.18

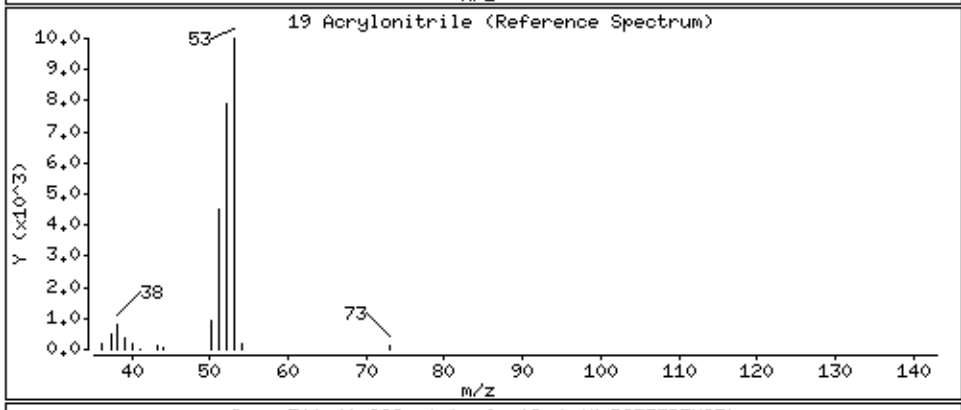
19 Acrylonitrile

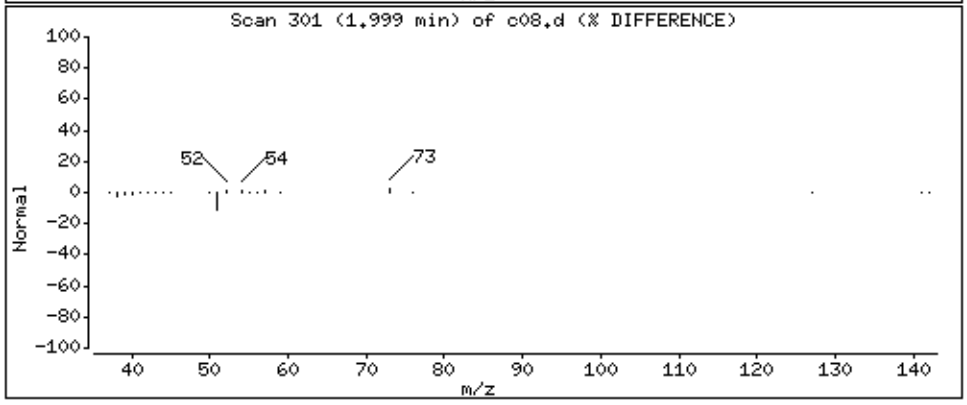
Concentration: 212 ppb

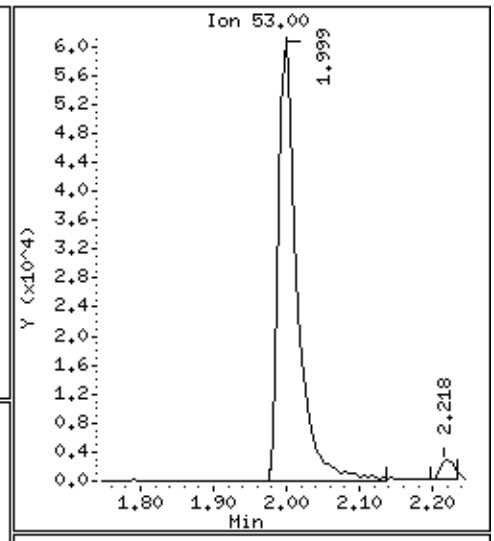
Review Code:

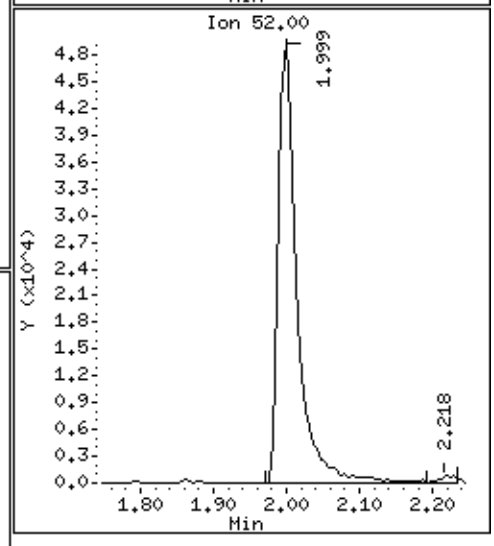












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

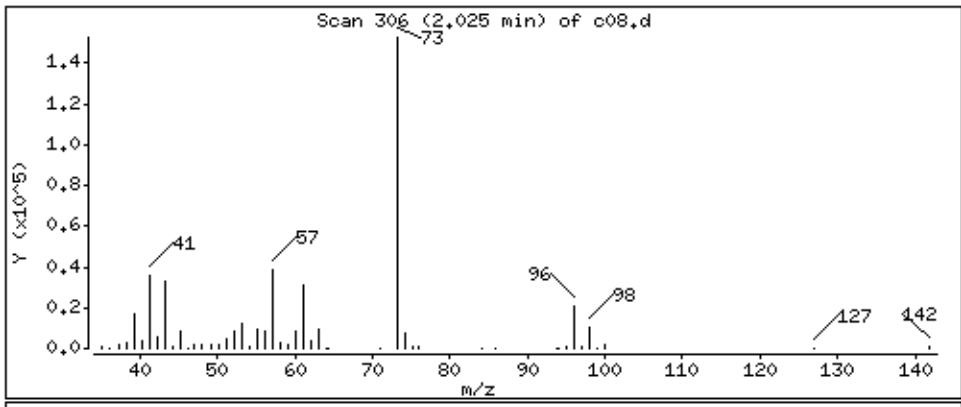
Column phase: DB-624

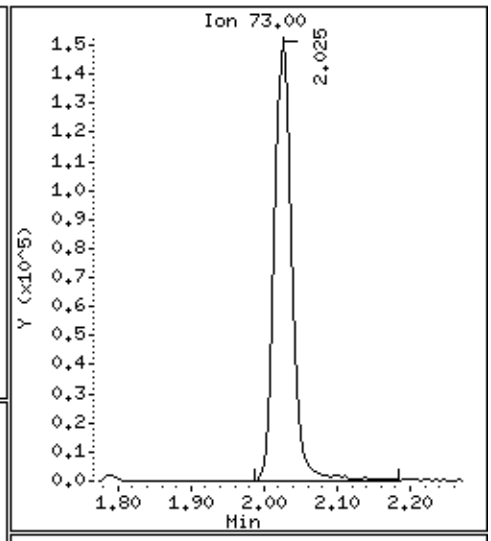
Column diameter: 0.18

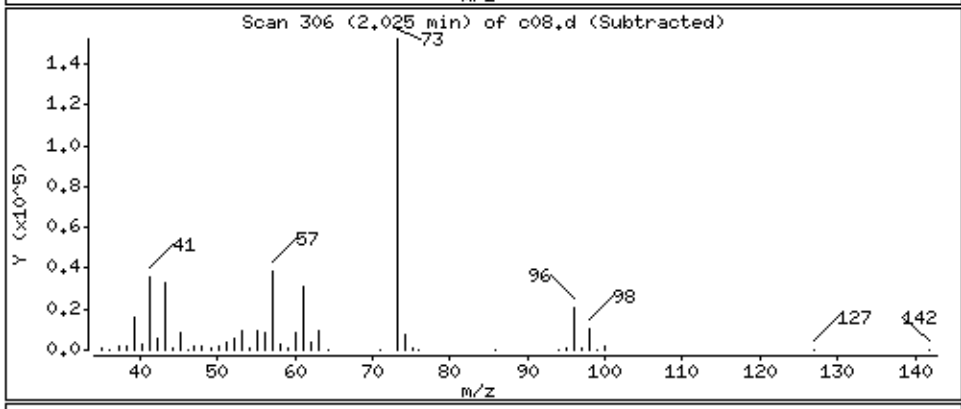
20 Methyl-tert-butyl ether

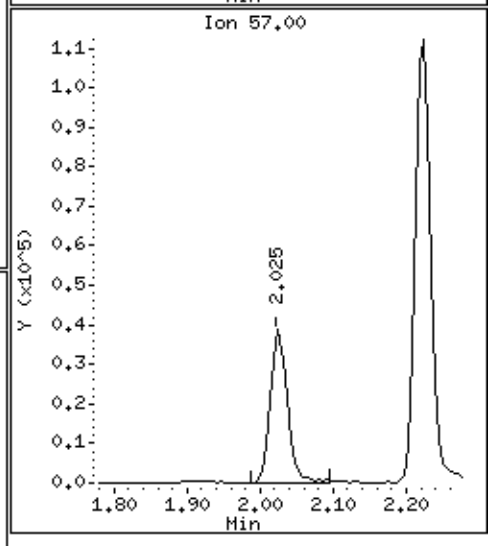
Concentration: 47.1 ppb

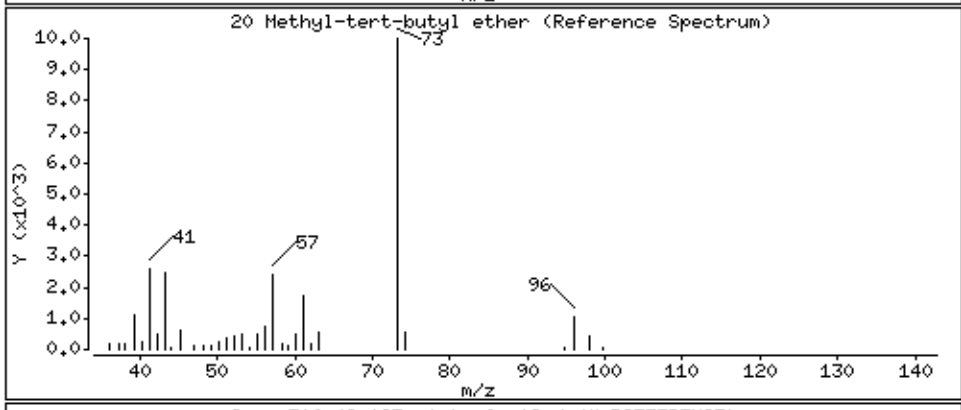
Review Code:

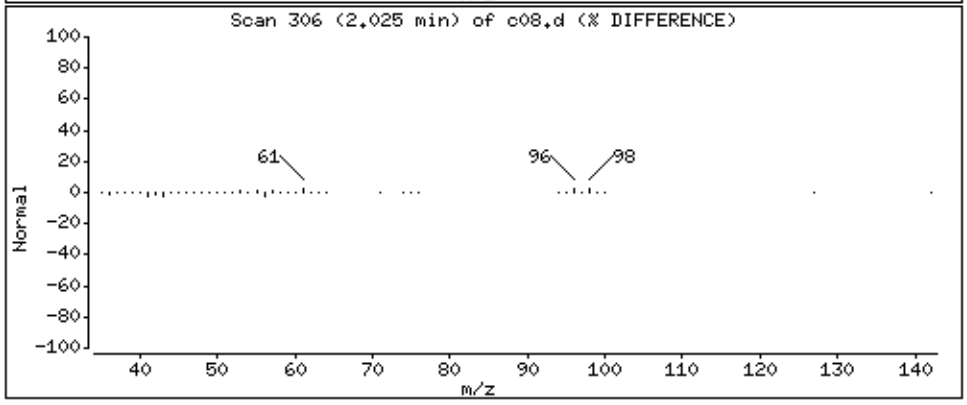












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

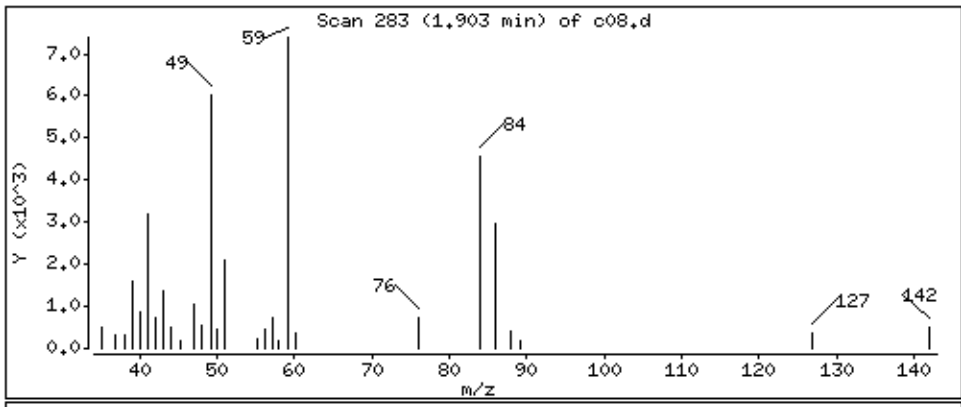
Column phase: DB-624

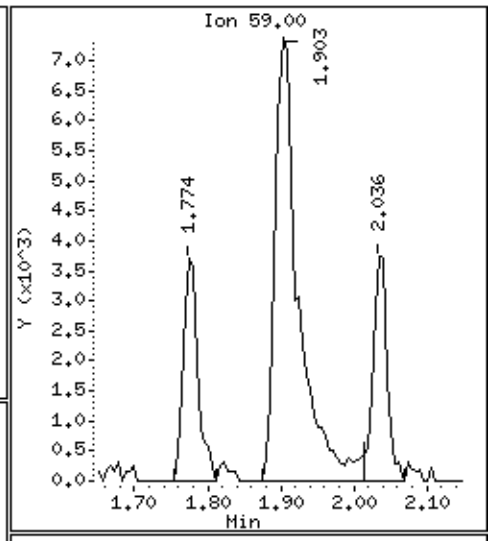
Column diameter: 0.18

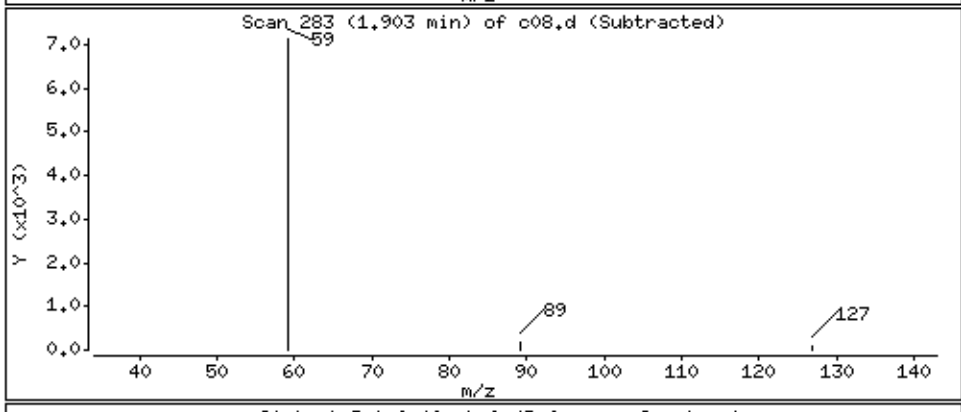
21 tert-Butyl Alcohol

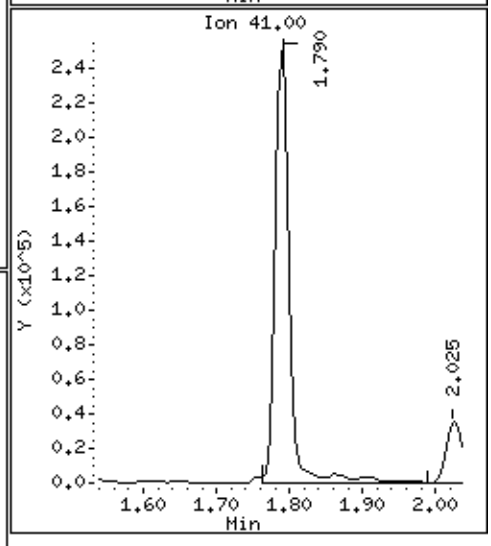
Concentration: 110 ppb

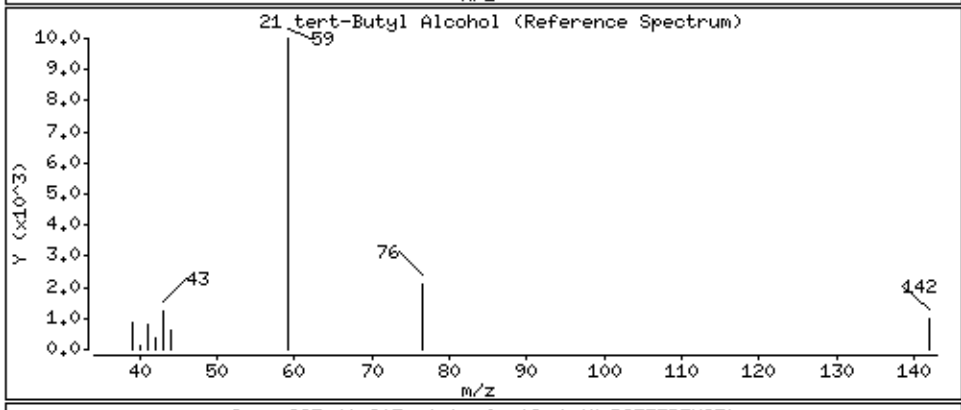
Review Code:

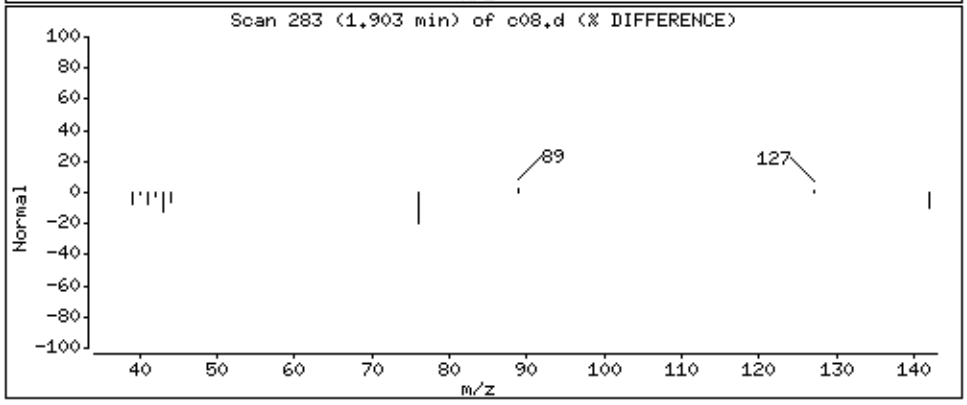












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

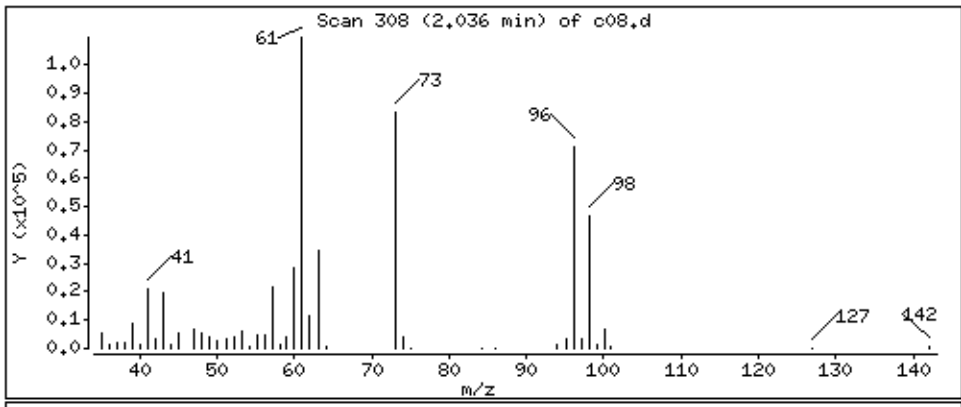
Column phase: DB-624

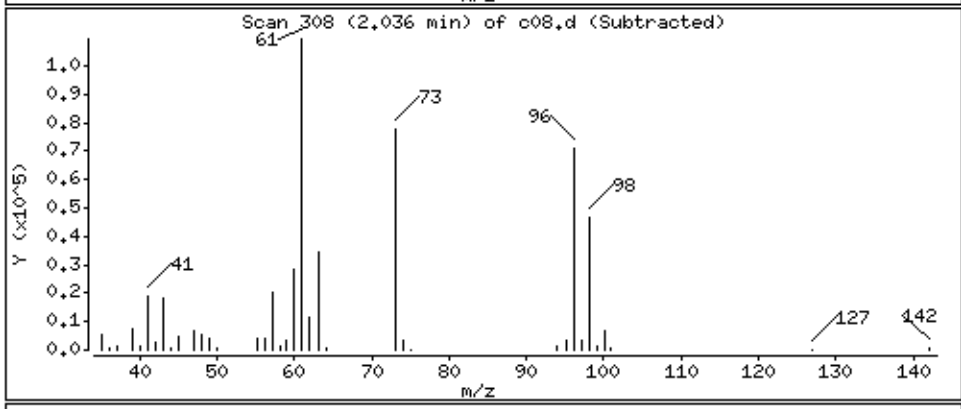
Column diameter: 0.18

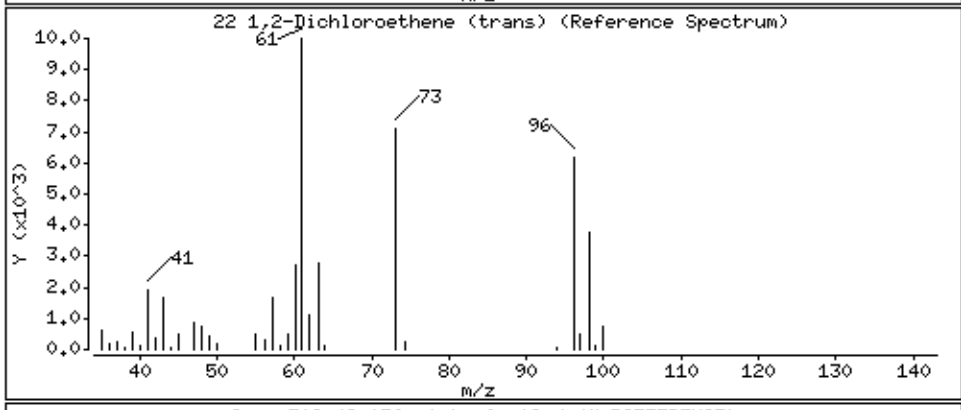
22 1,2-Dichloroethene (trans)

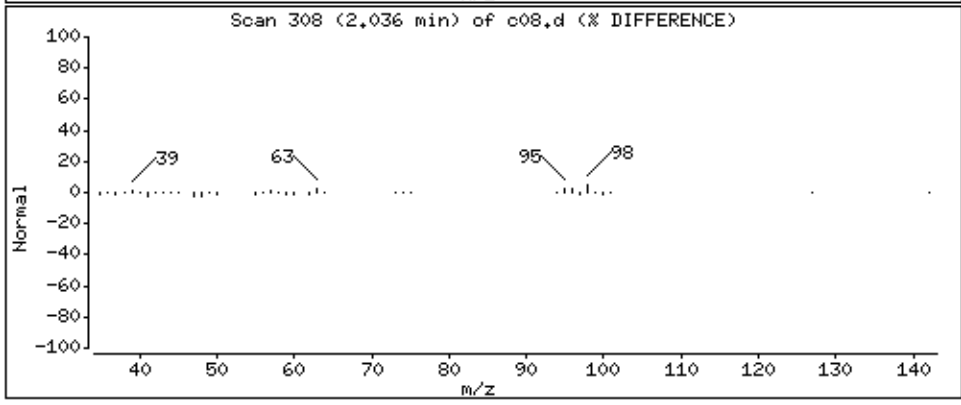
Concentration: 43.8 ppb

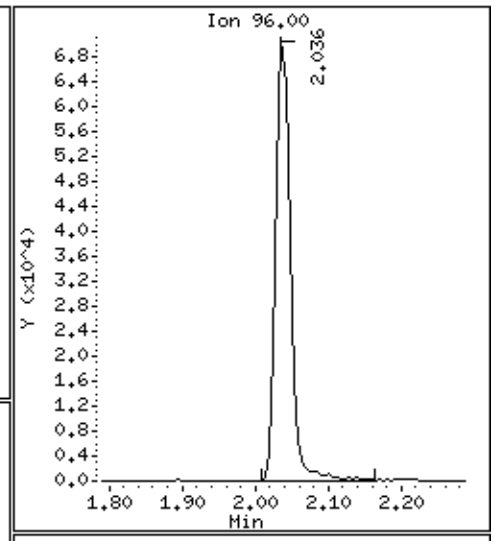
Review Code:

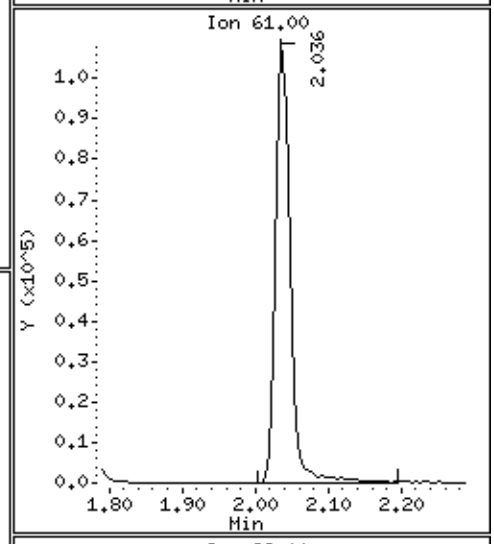


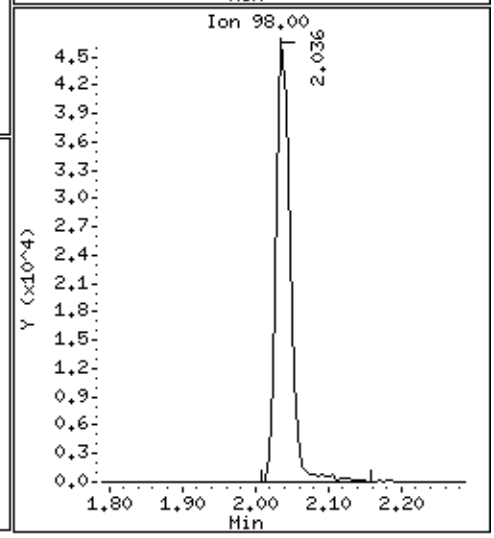












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

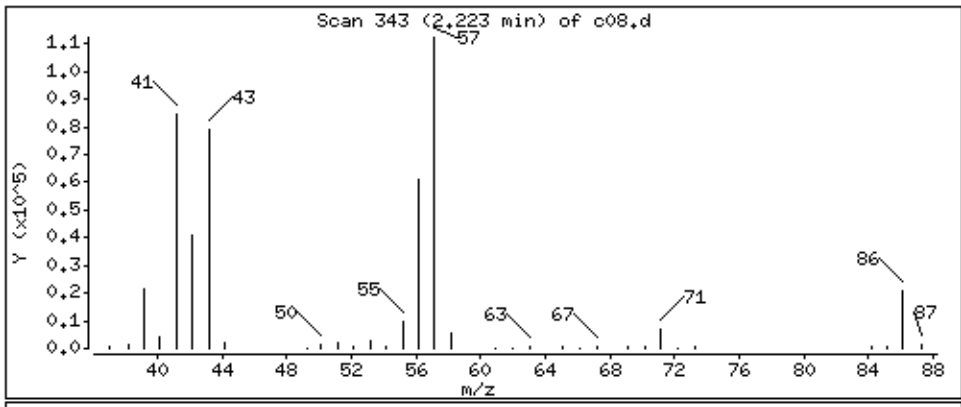
Column phase: DB-624

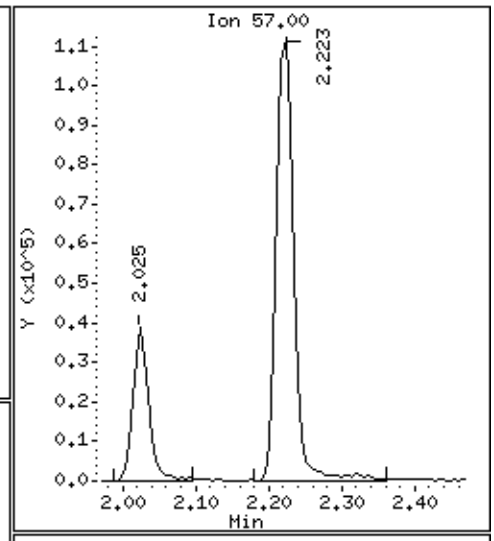
Column diameter: 0.18

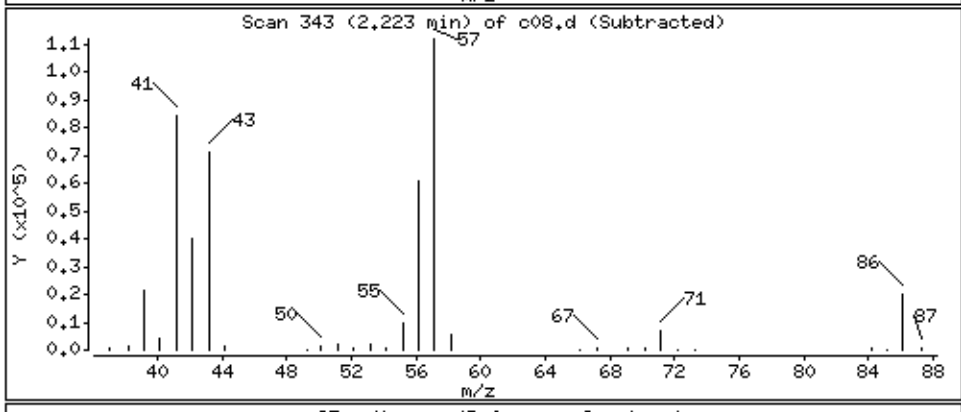
23 n-Hexane

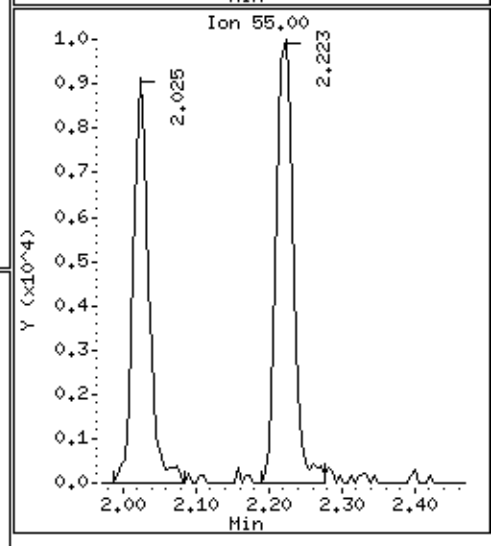
Concentration: 42.1 ppb

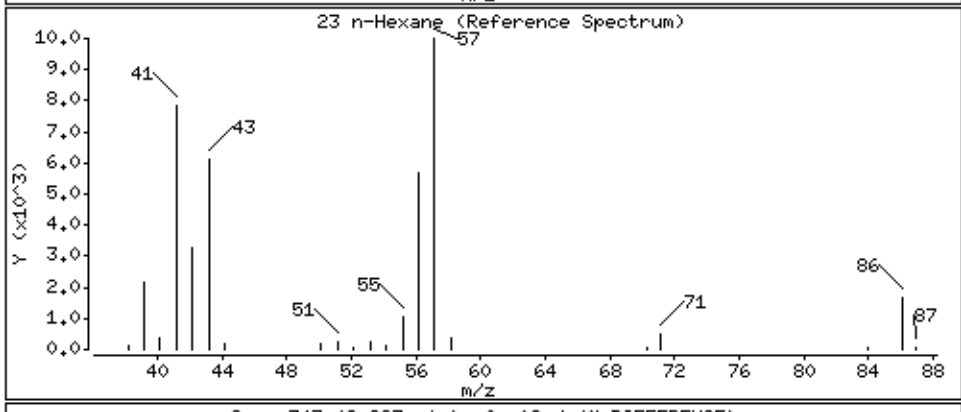
Review Code:

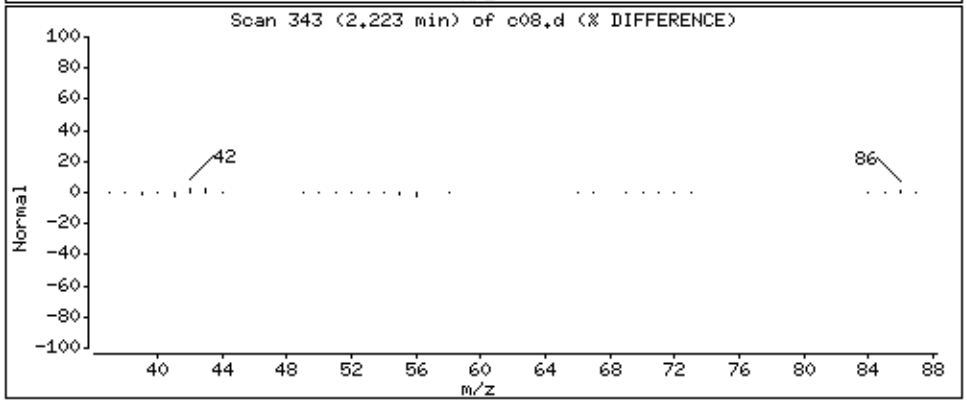












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

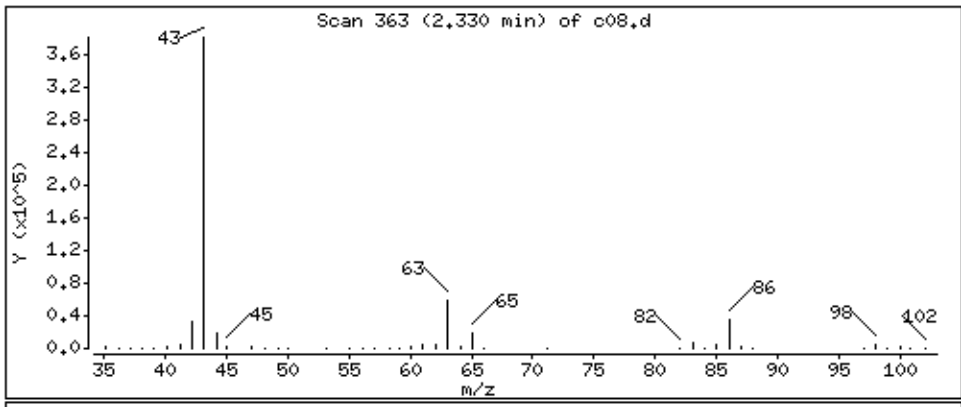
Column phase: DB-624

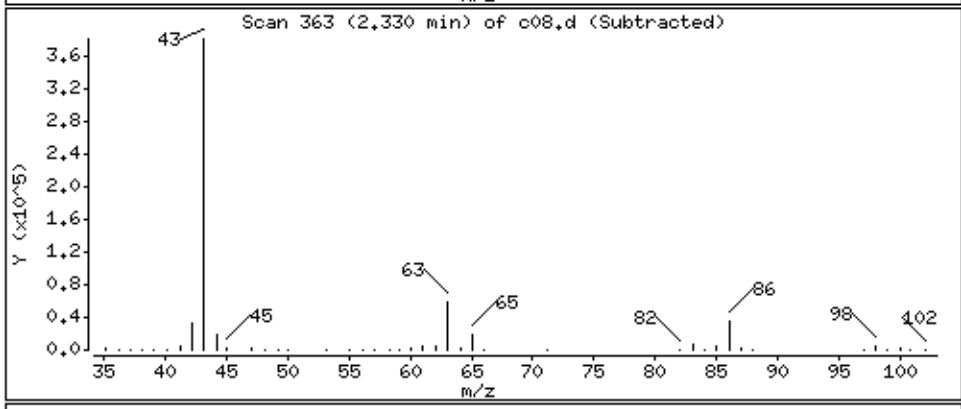
Column diameter: 0.18

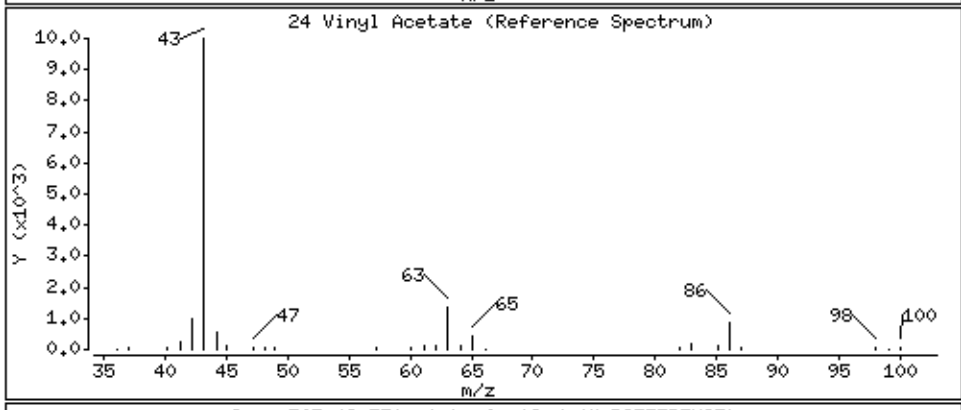
24 Vinyl Acetate

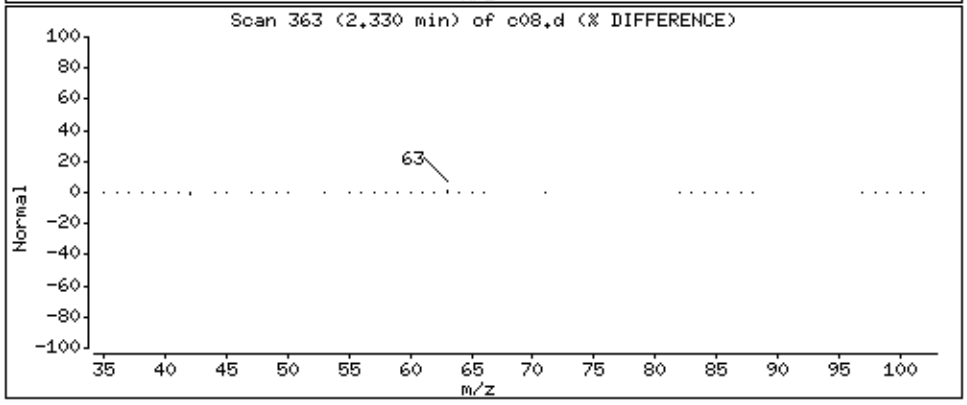
Concentration: 174 ppb

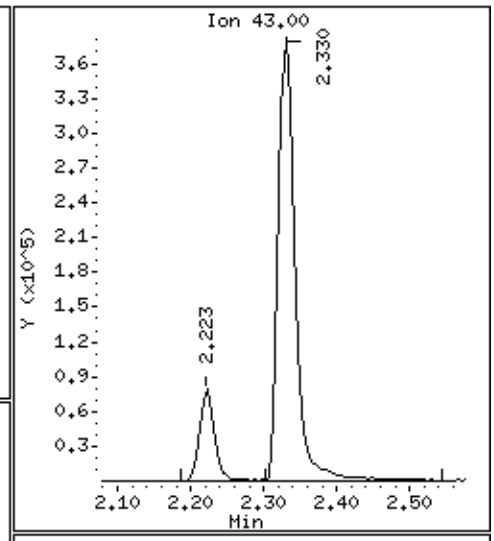
Review Code:

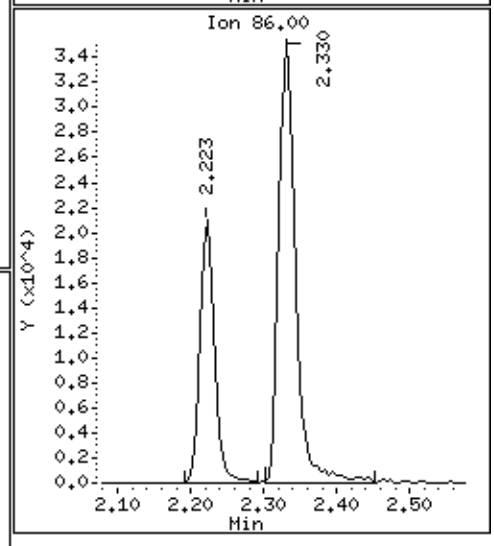












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

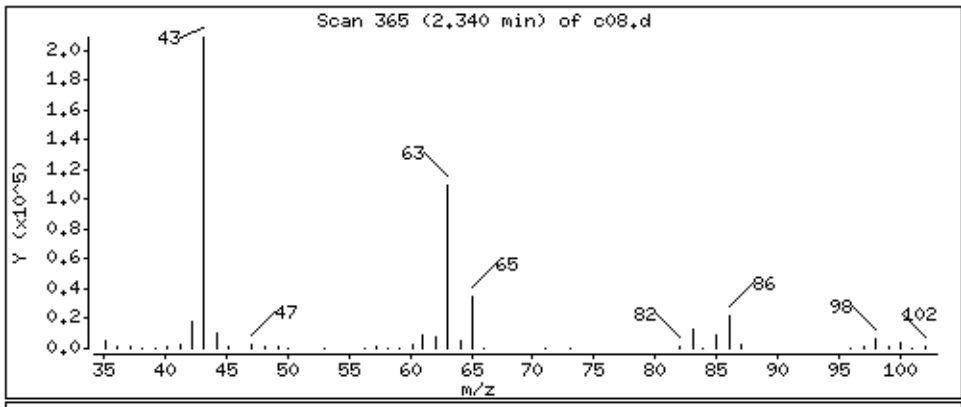
Column phase: DB-624

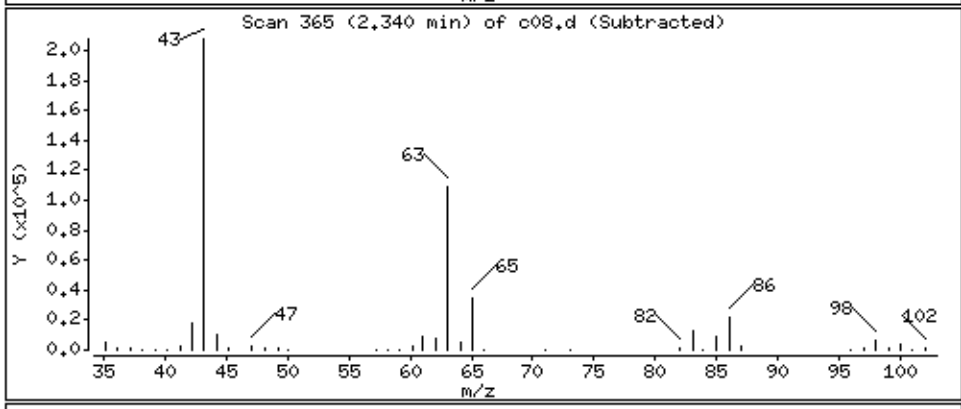
Column diameter: 0.18

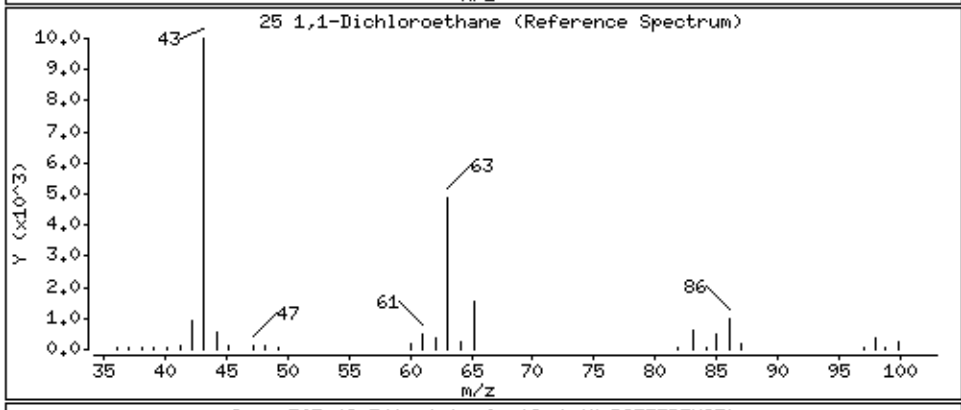
25 1,1-Dichloroethane

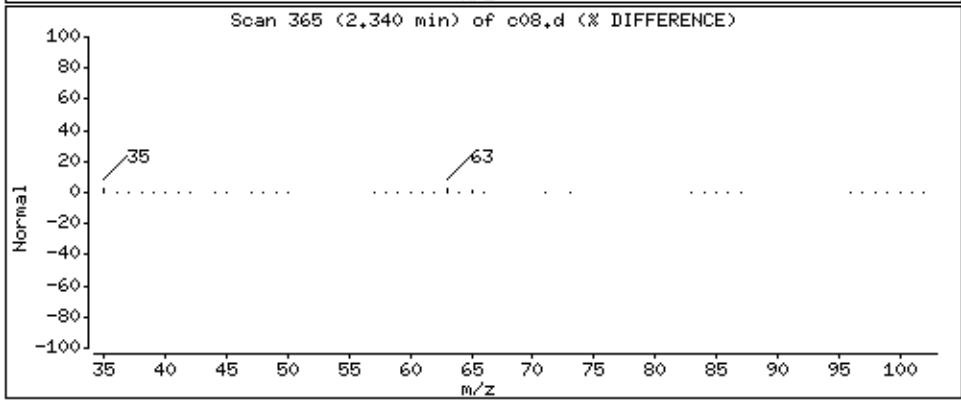
Concentration: 44.0 ppb

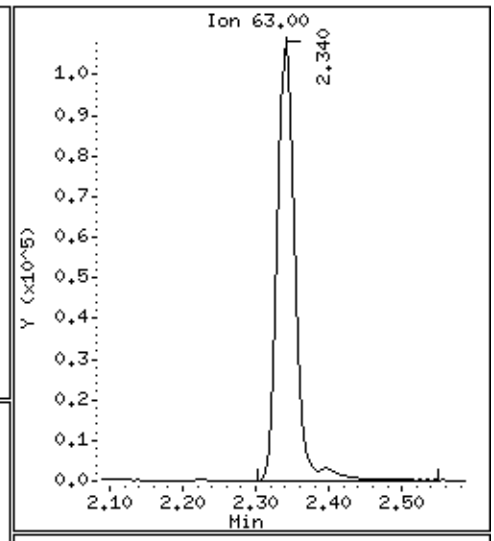
Review Code:

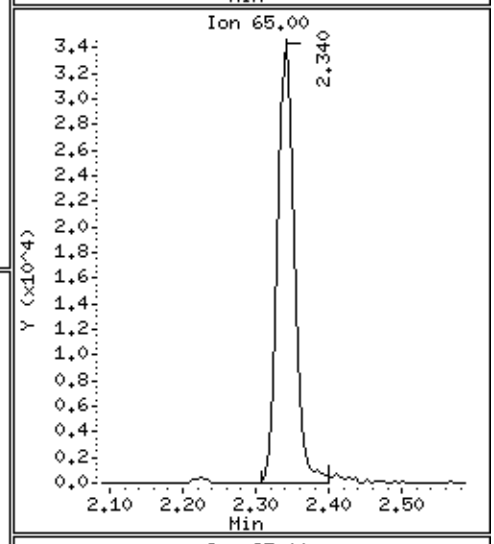


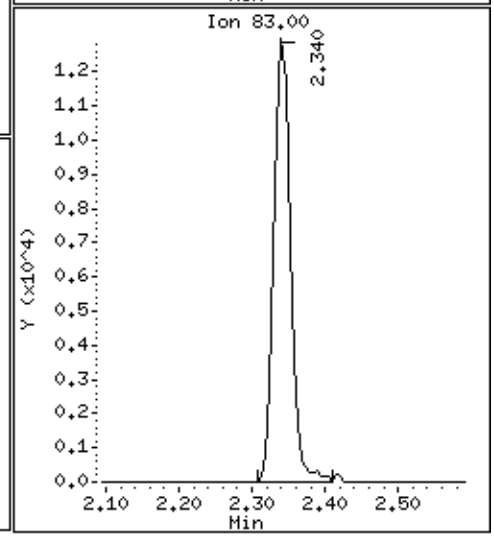












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

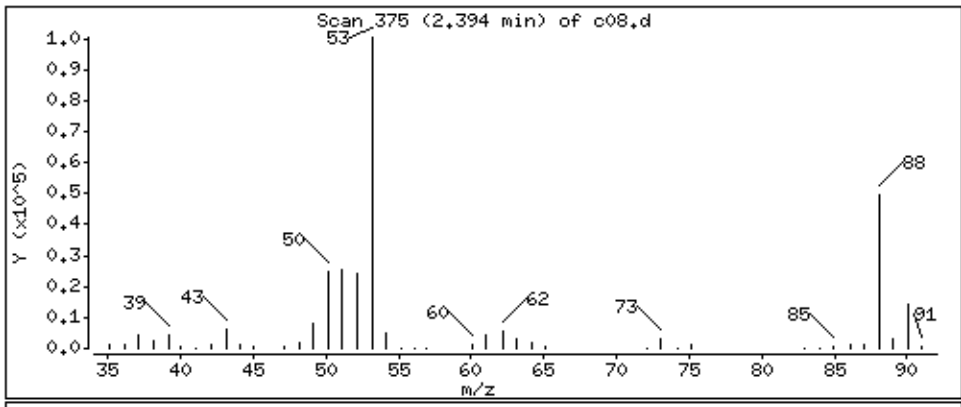
Column phase: DB-624

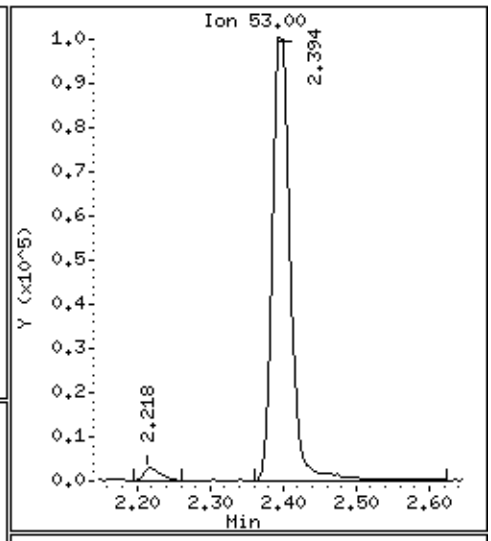
Column diameter: 0.18

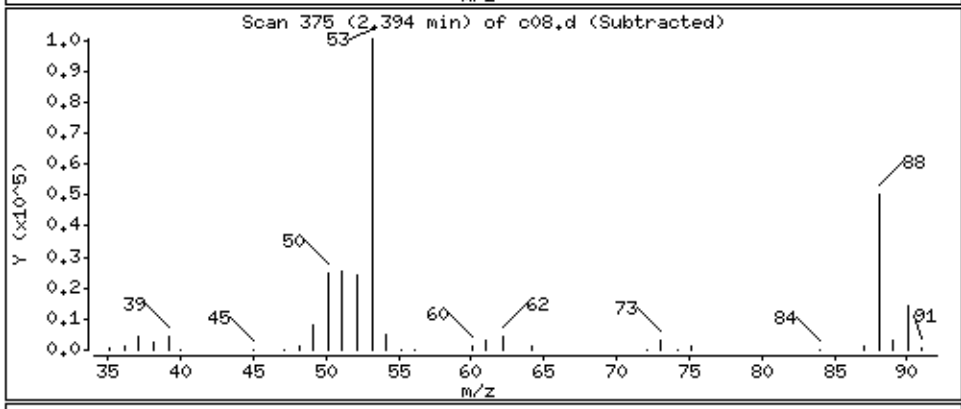
26 Chloroprene

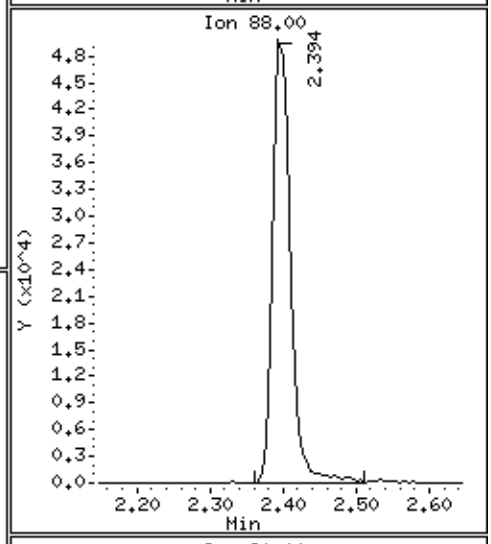
Concentration: 39.5 ppb

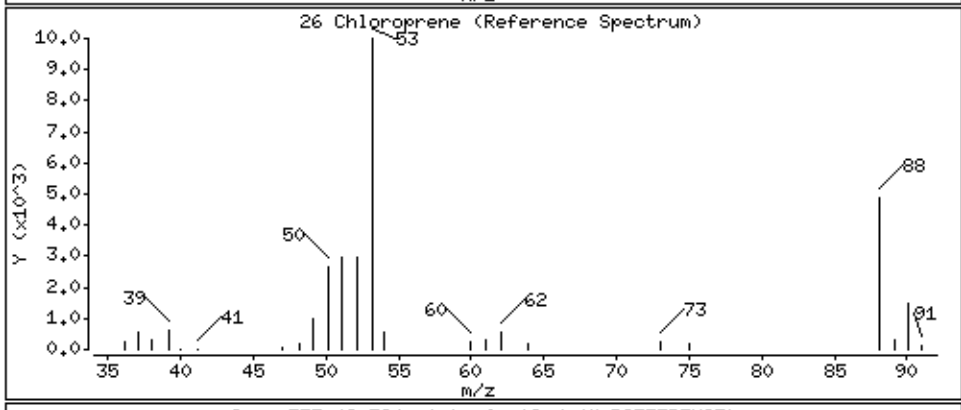
Review Code:

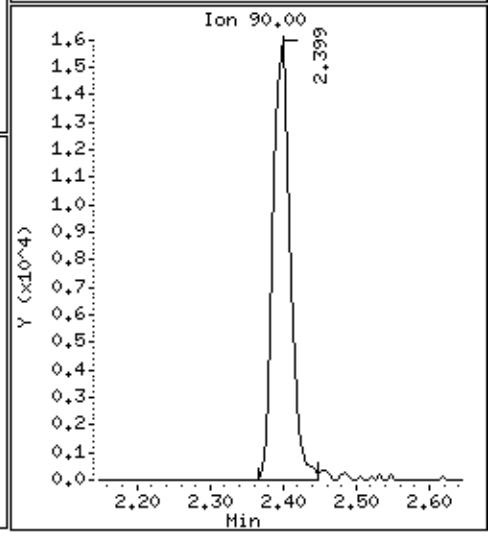


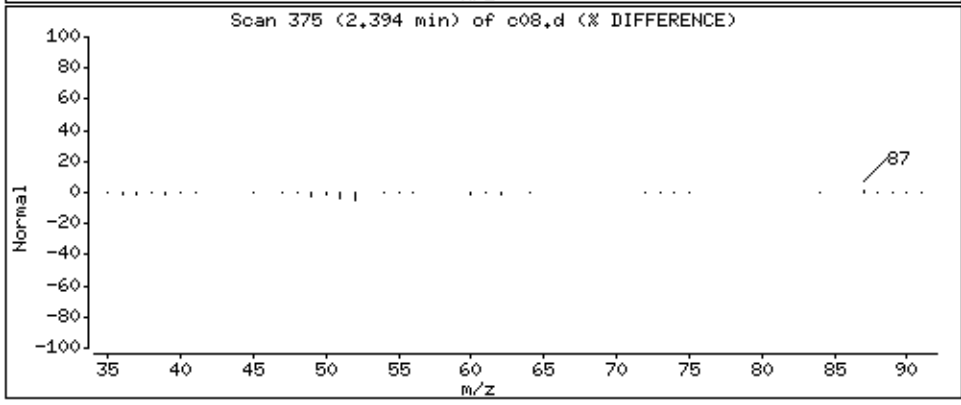












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

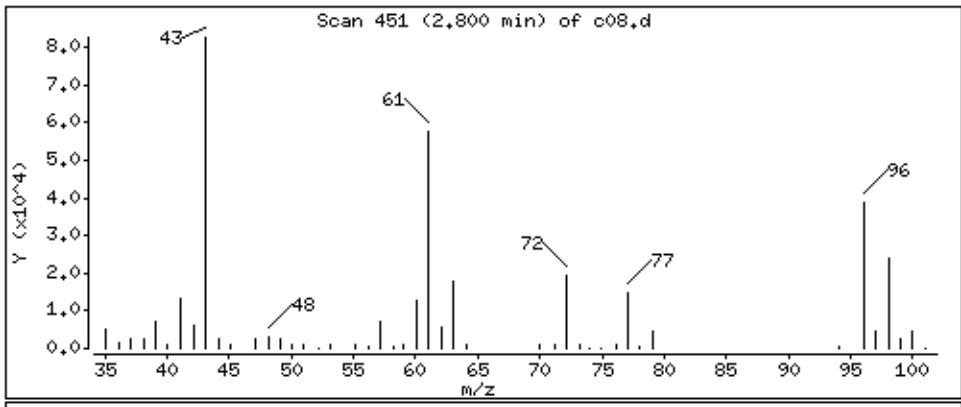
Column phase: DB-624

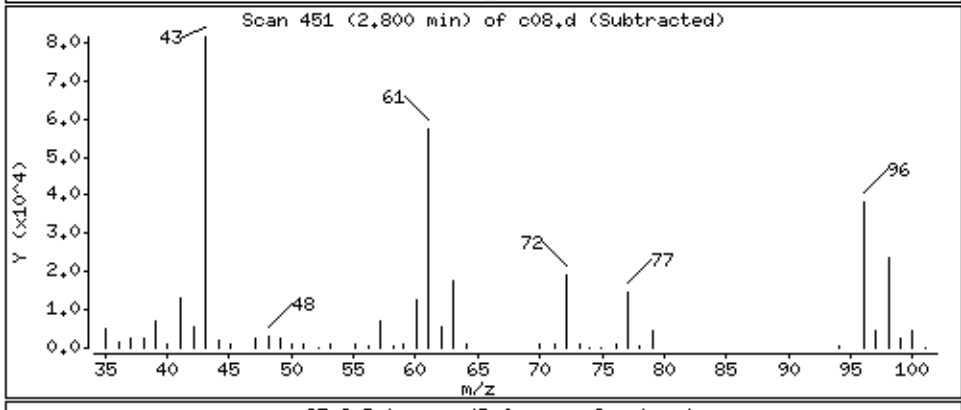
Column diameter: 0.18

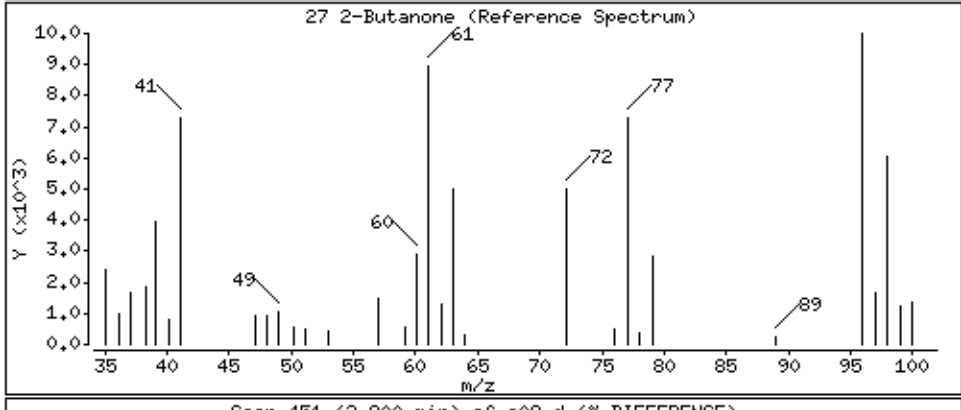
27 2-Butanone

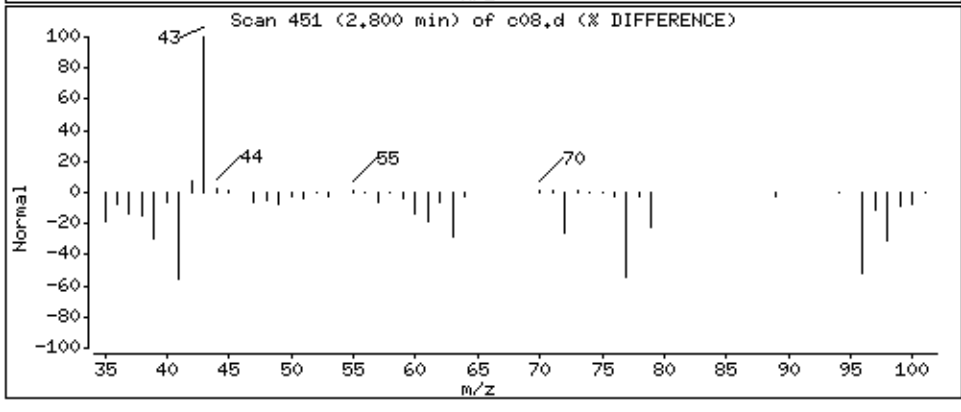
Concentration: 282 ppb

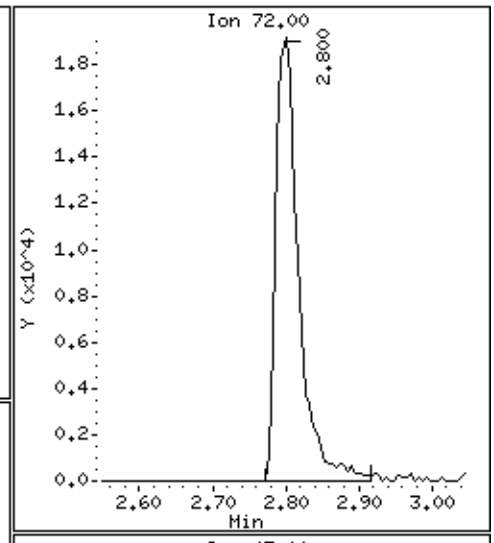
Review Code:

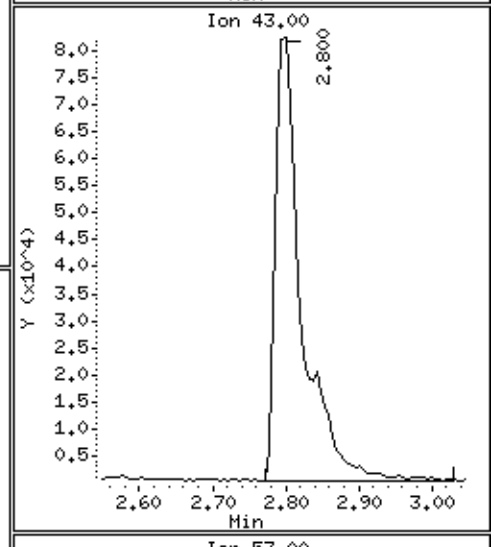


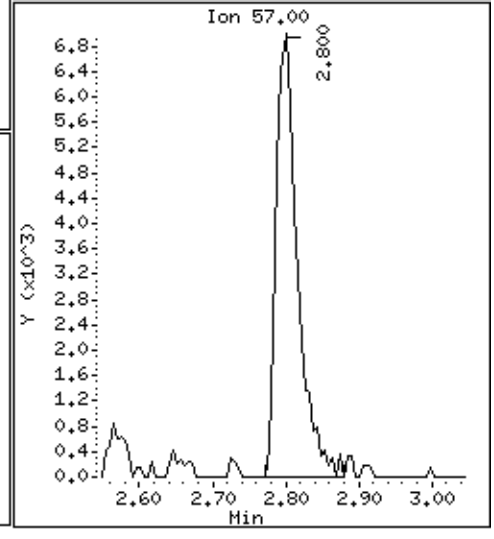












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

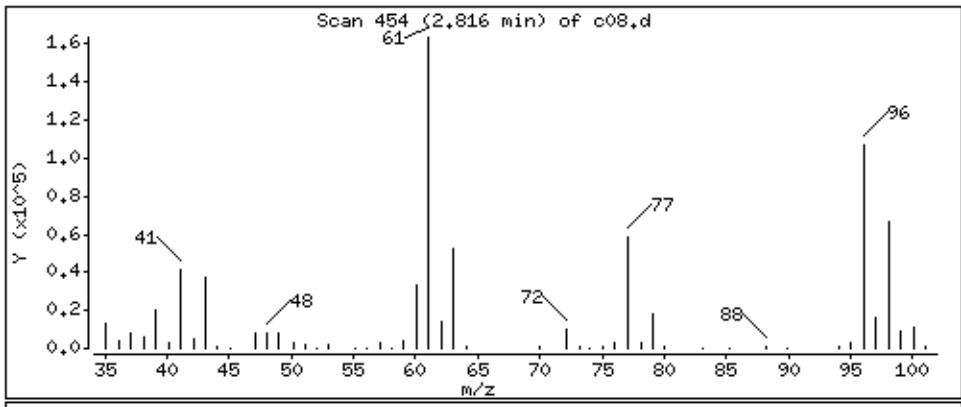
Column phase: DB-624

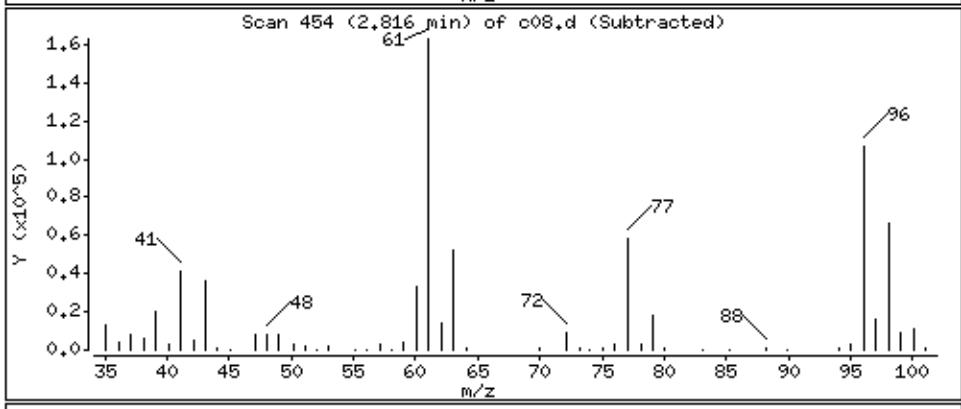
Column diameter: 0.18

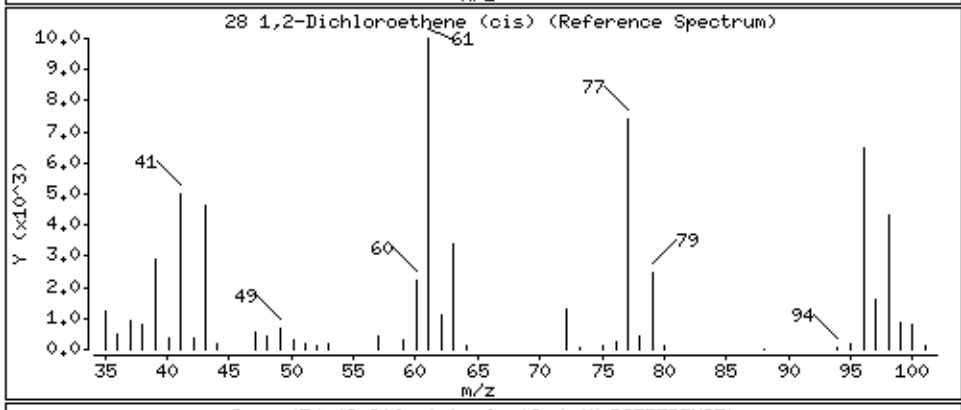
28 1,2-Dichloroethene (cis)

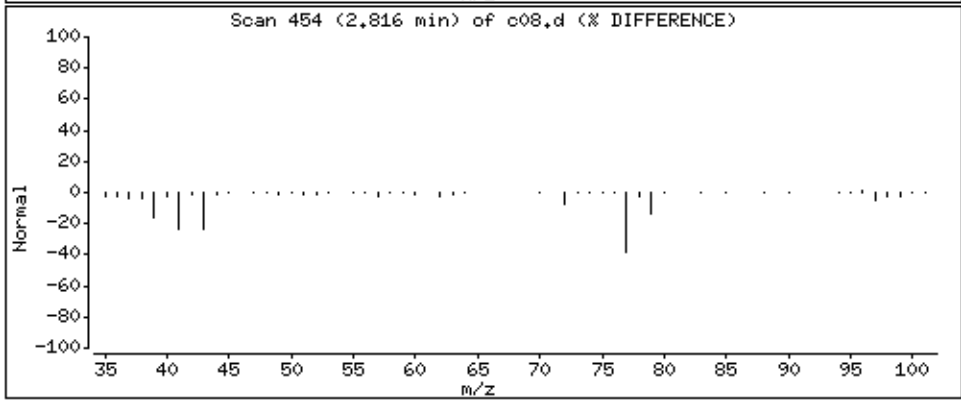
Concentration: 84.4 ppb

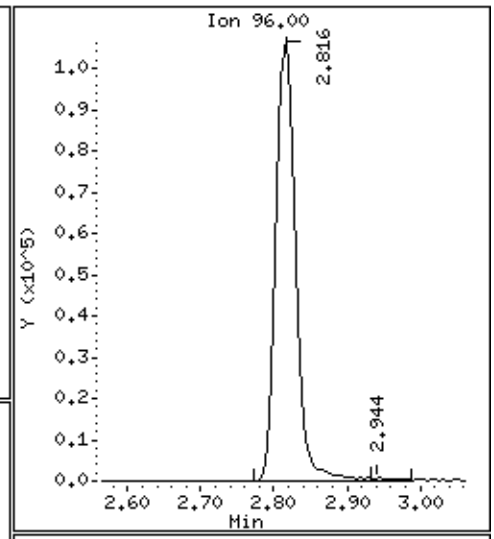
Review Code:

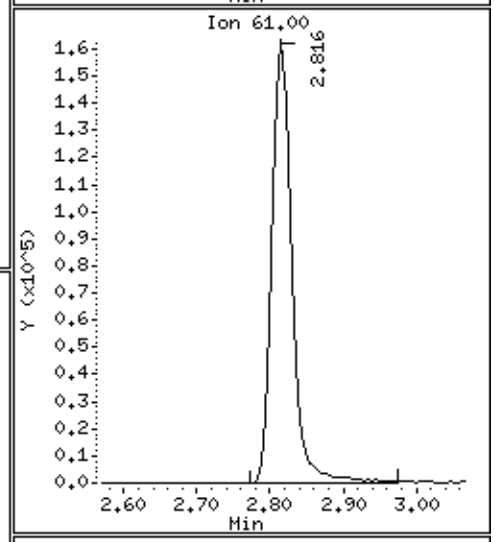


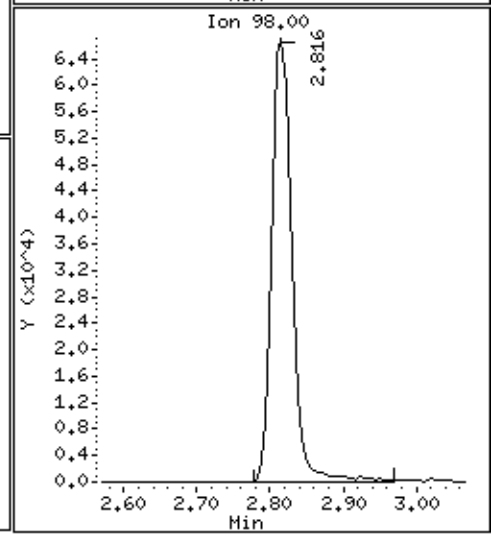












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

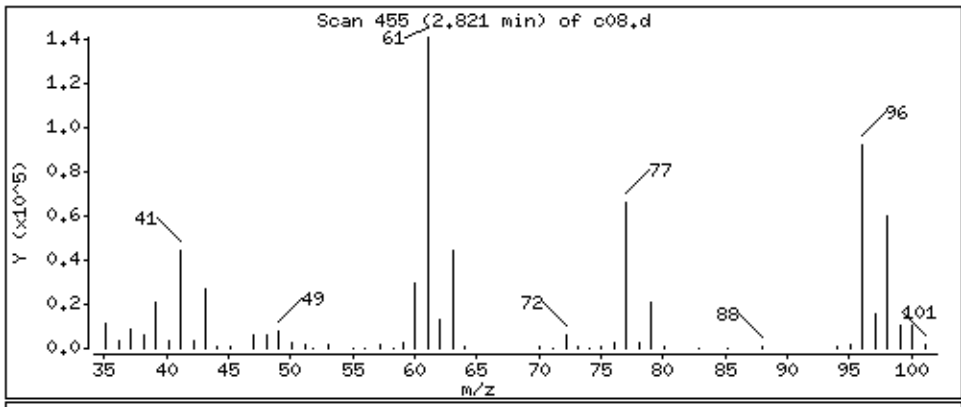
Column phase: DB-624

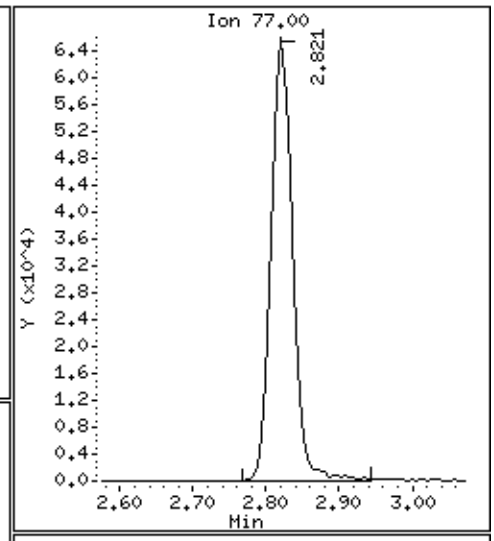
Column diameter: 0.18

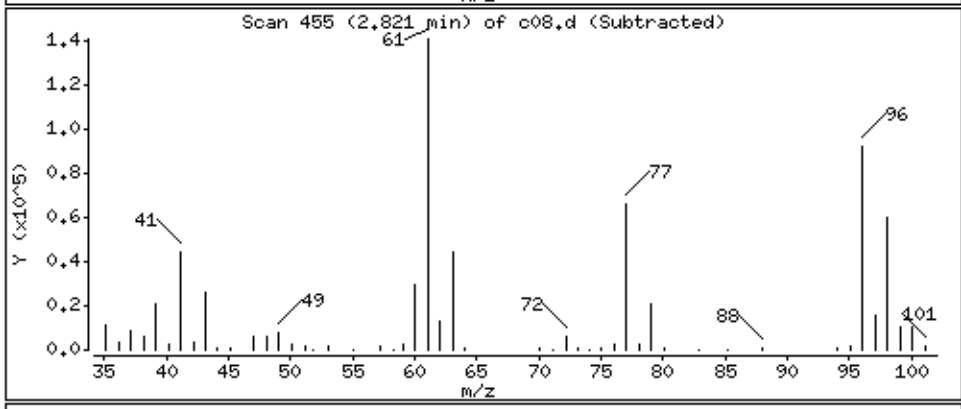
29 2,2-Dichloropropane

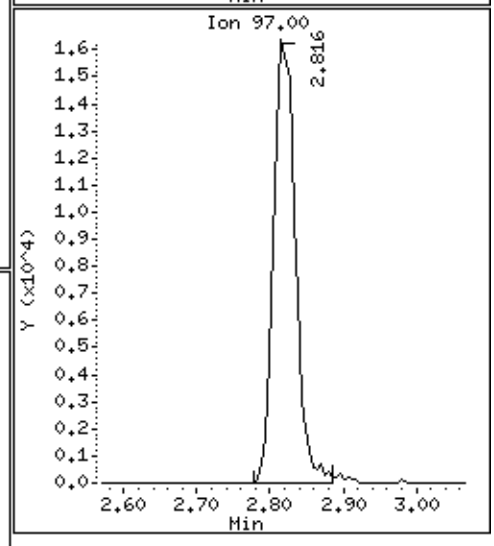
Concentration: 40.9 ppb

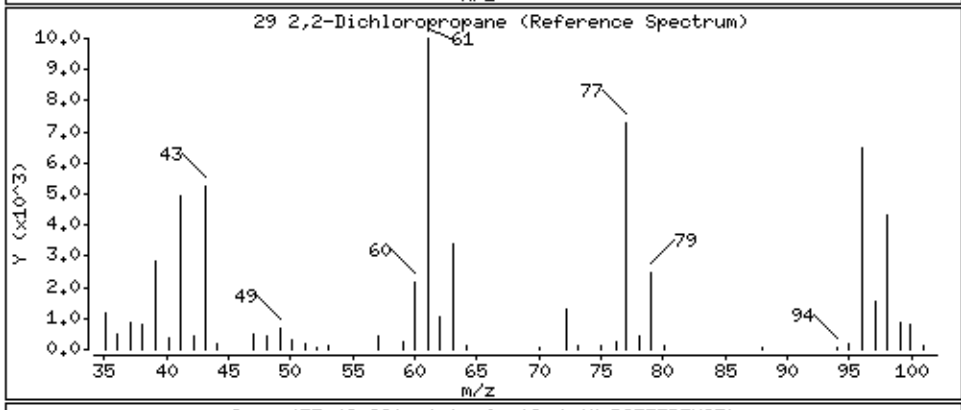
Review Code:

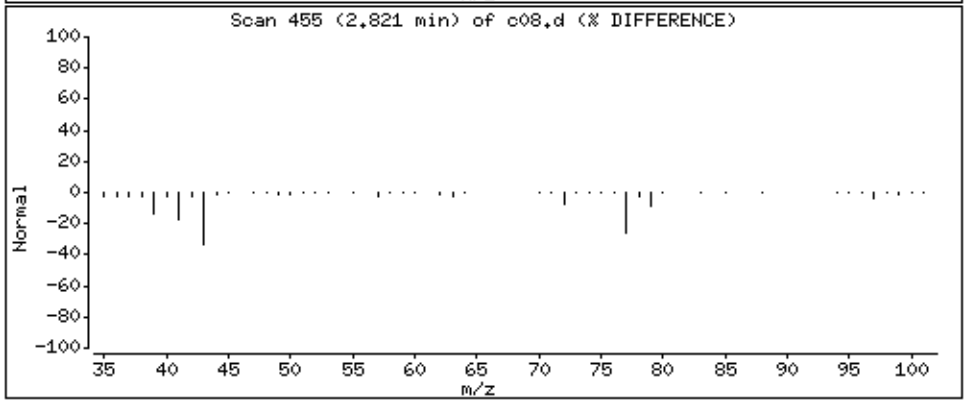












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

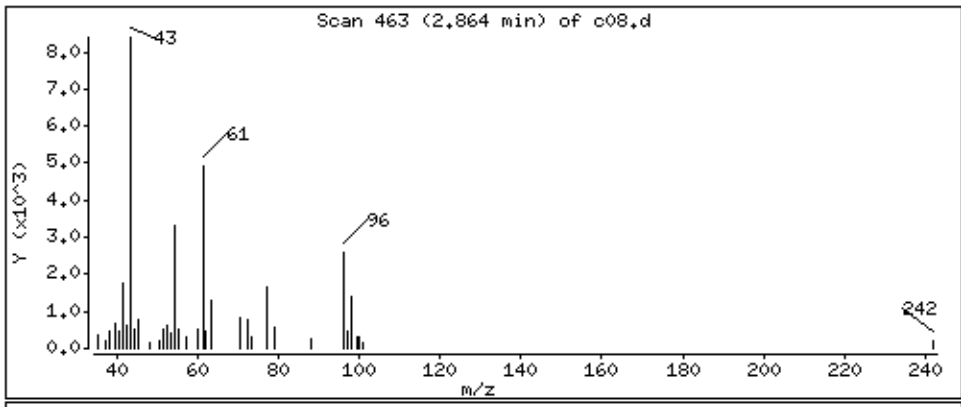
Column phase: DB-624

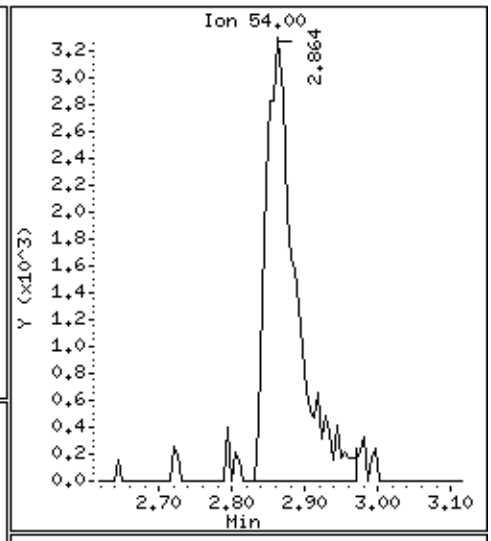
Column diameter: 0.18

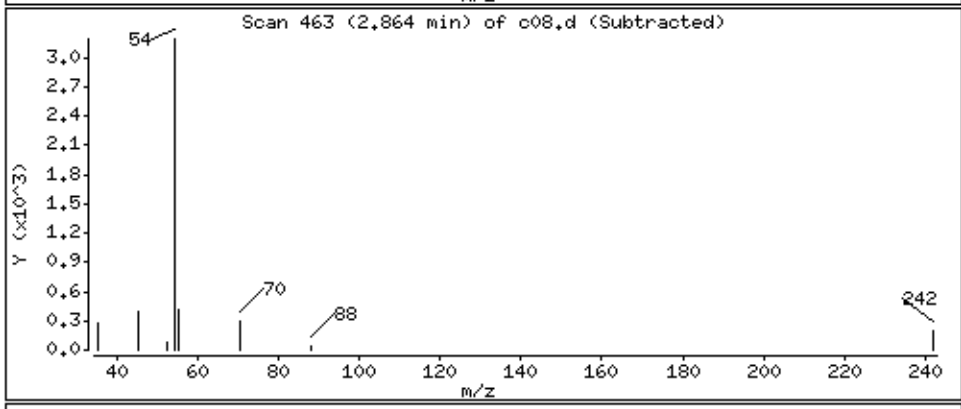
30 Propionitrile

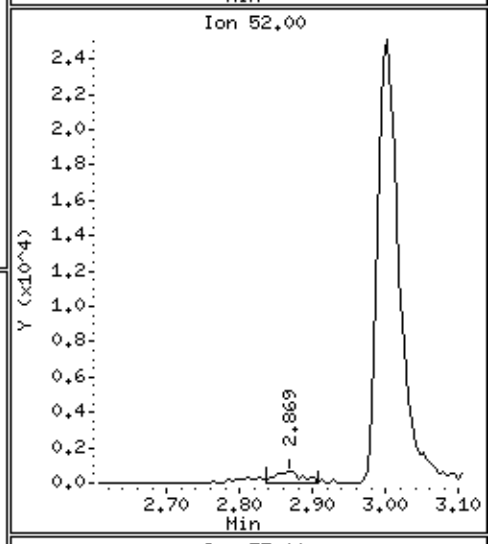
Concentration: 45.1 ppb

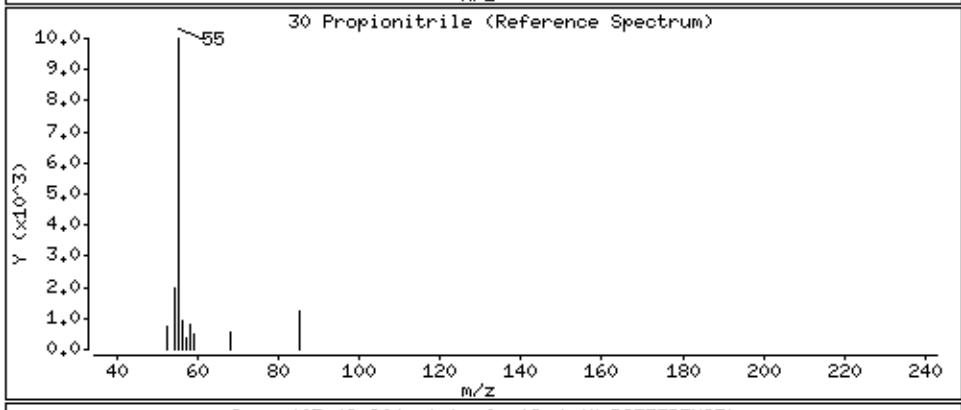
Review Code:

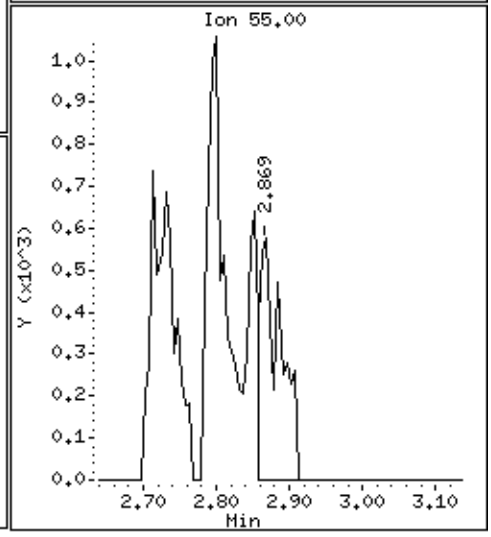


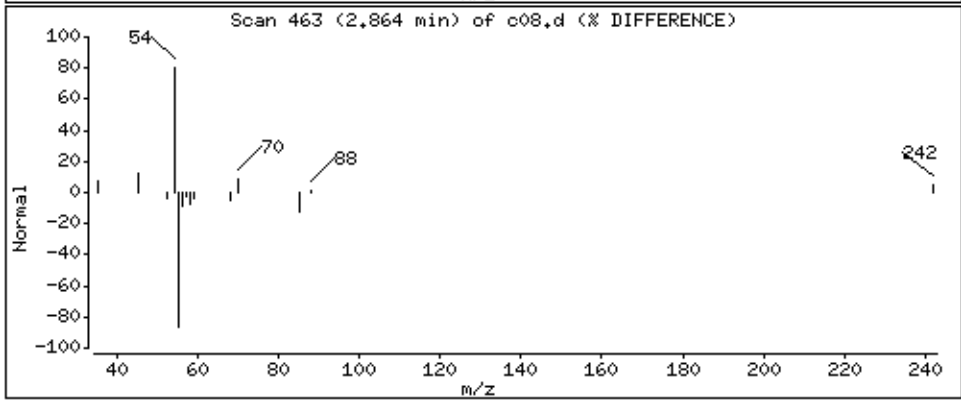












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

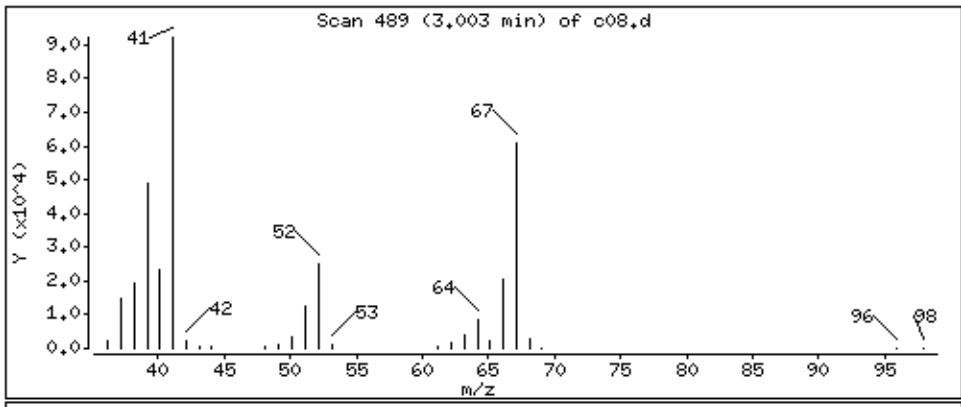
Column phase: DB-624

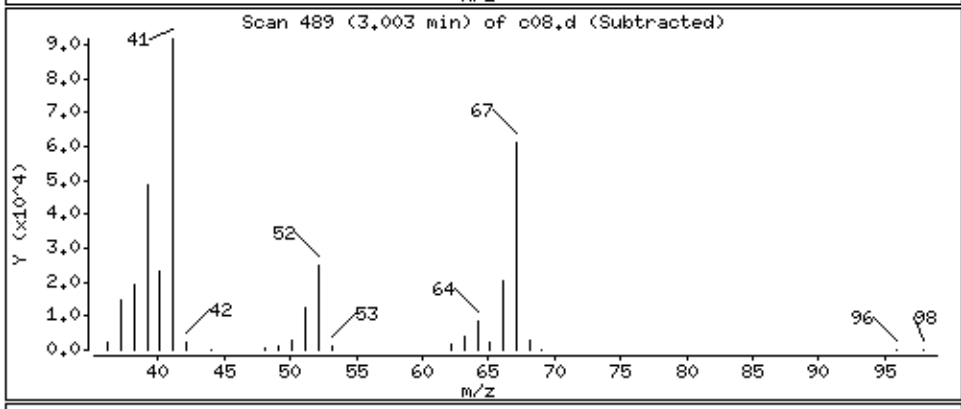
Column diameter: 0.18

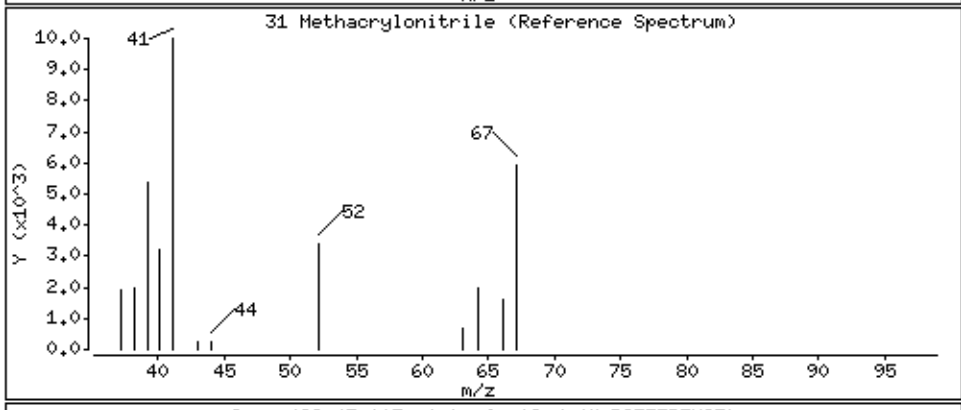
31 Methacrylonitrile

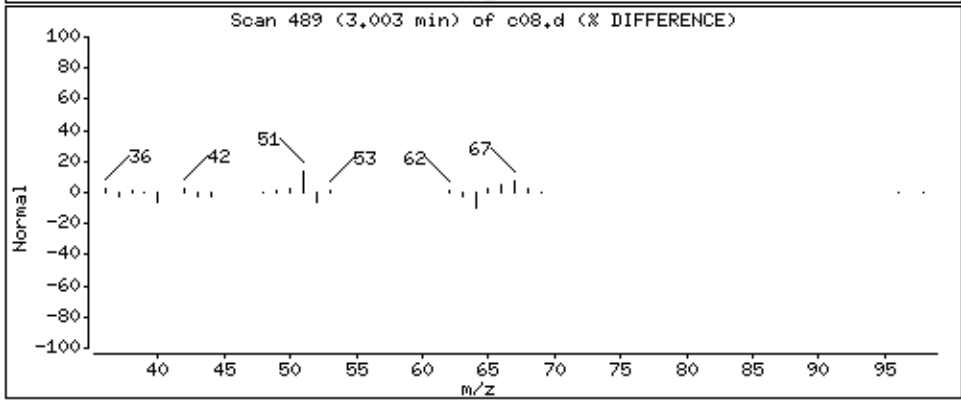
Concentration: 215 ppb

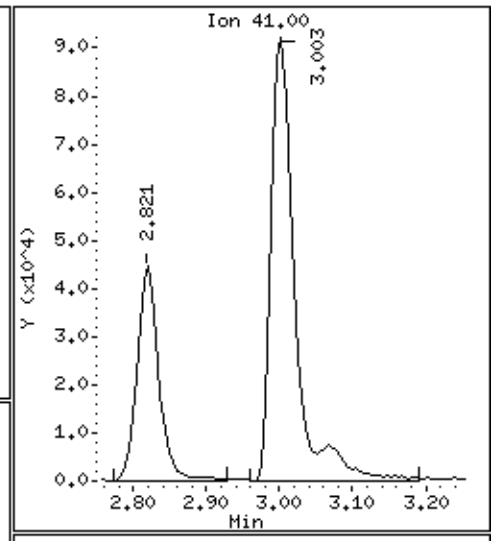
Review Code:

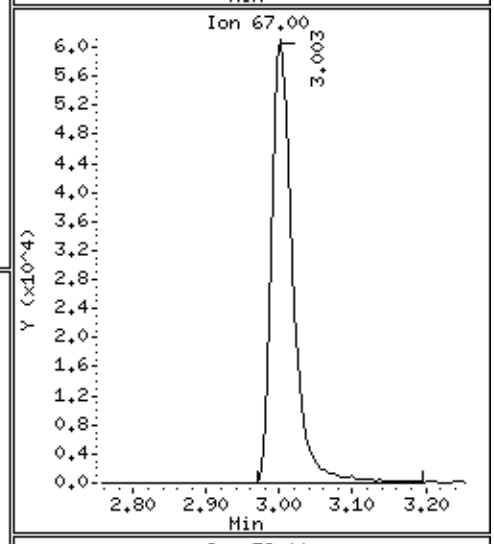


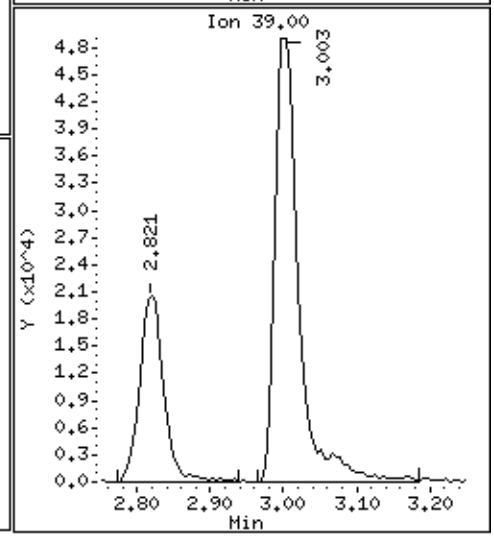












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

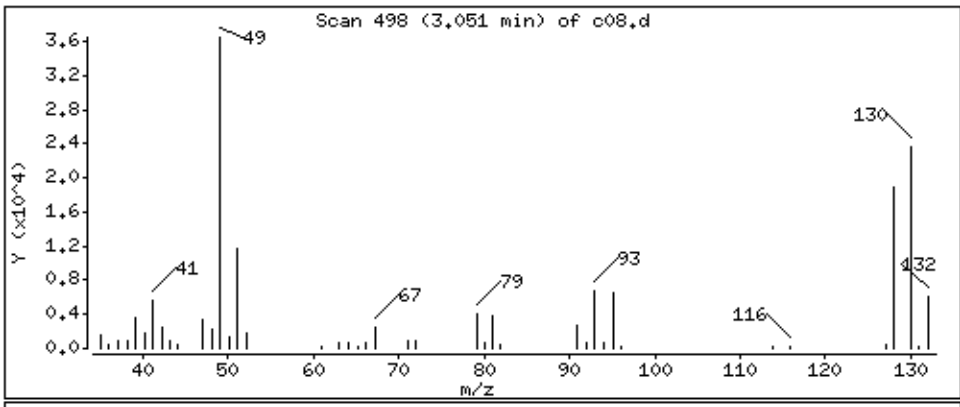
Column phase: DB-624

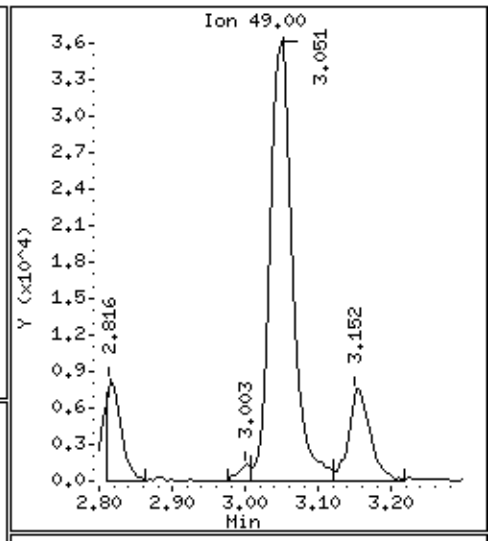
Column diameter: 0.18

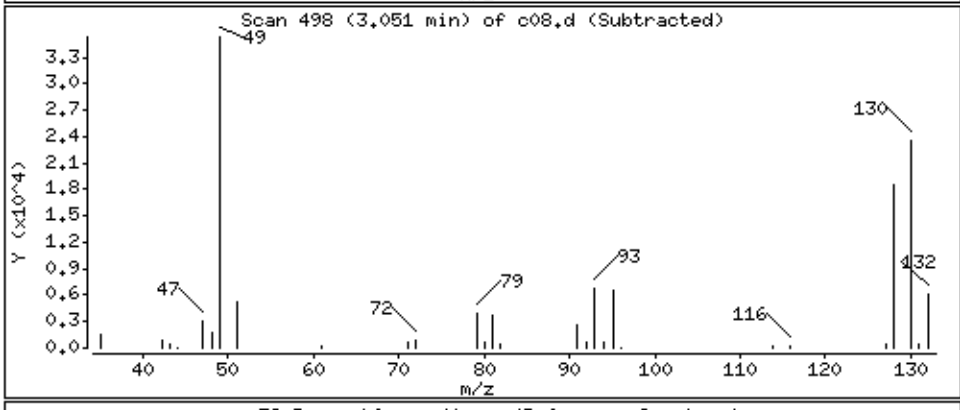
32 Bromochloromethane

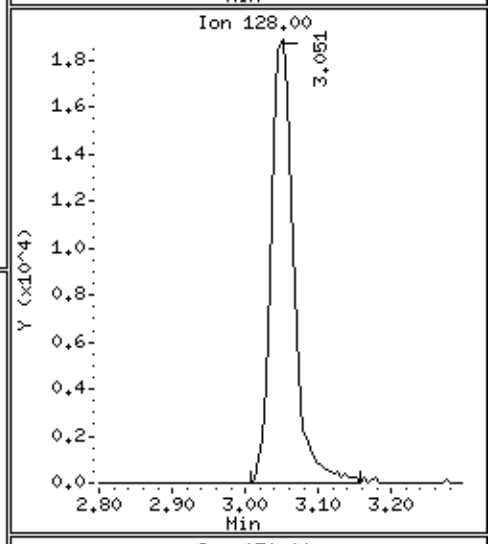
Concentration: 45.6 ppb

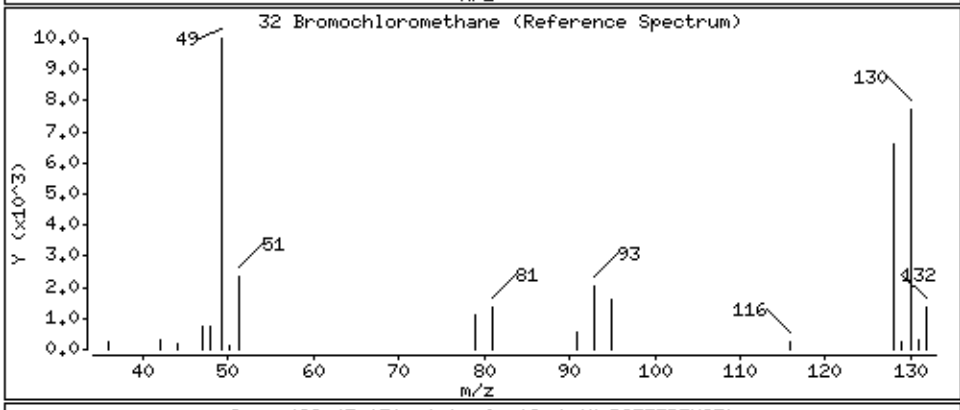
Review Code:

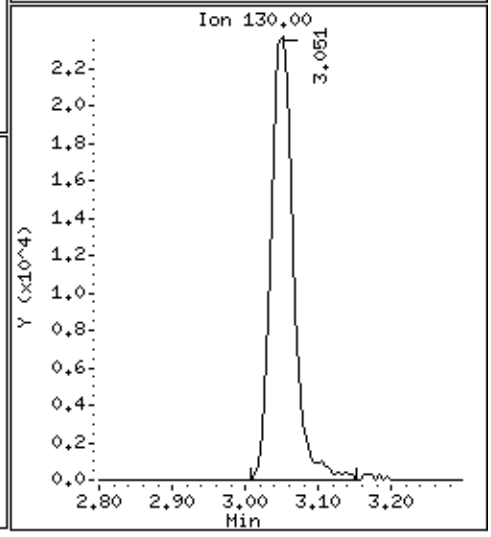


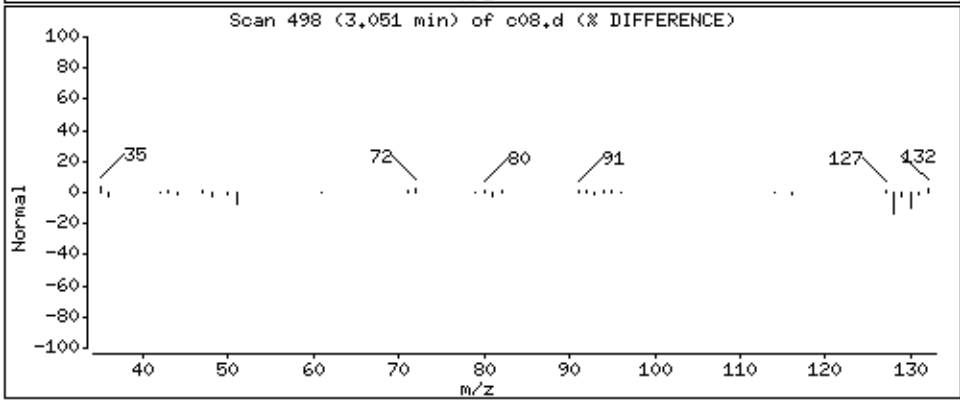












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

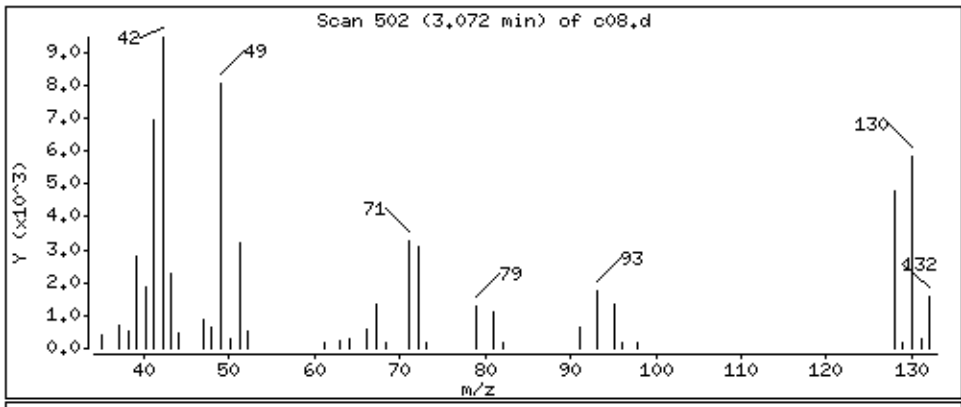
Column phase: DB-624

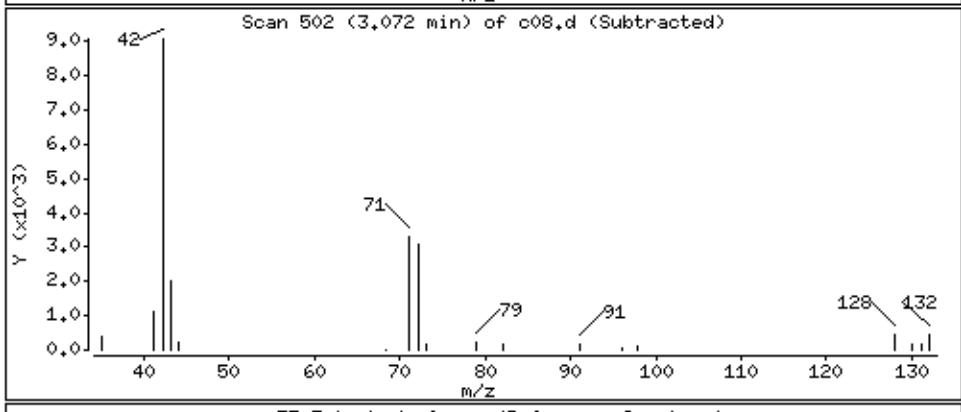
Column diameter: 0.18

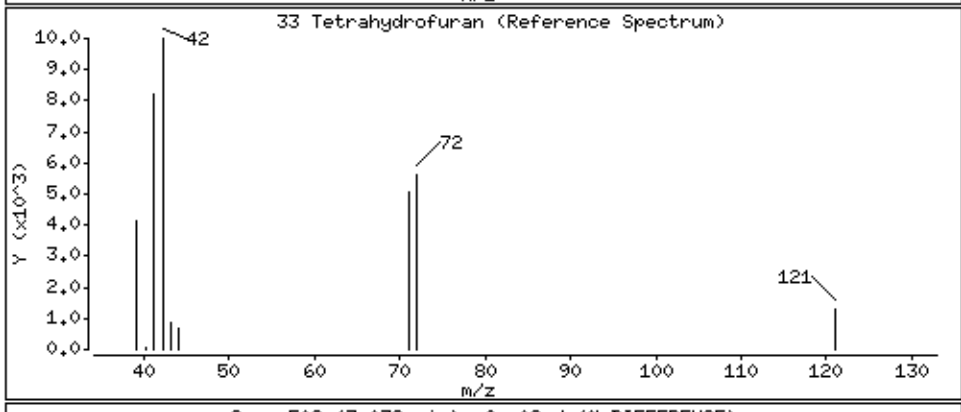
33 Tetrahydrofuran

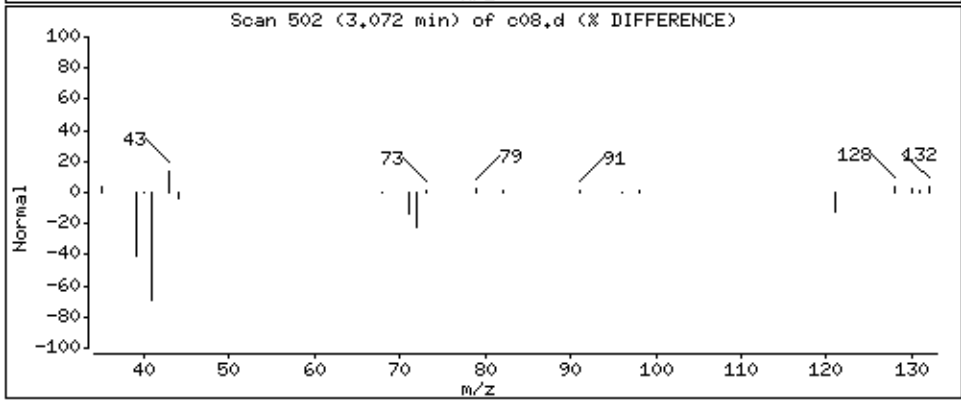
Concentration: 52.8 ppb

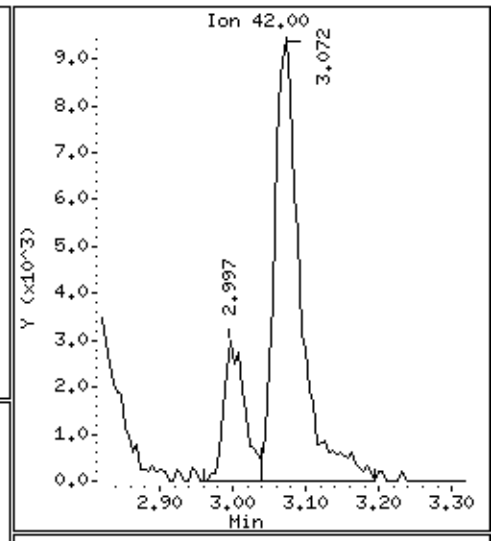
Review Code:

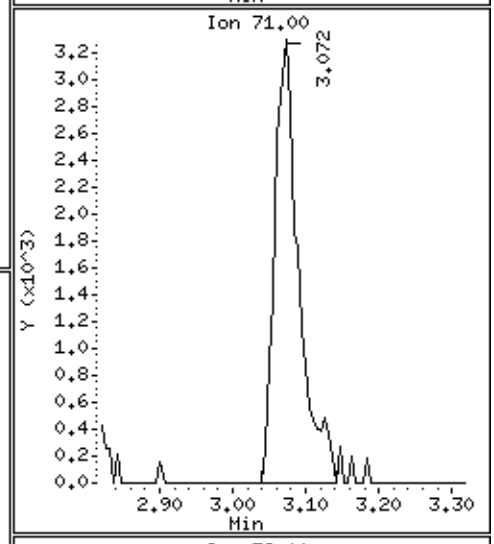


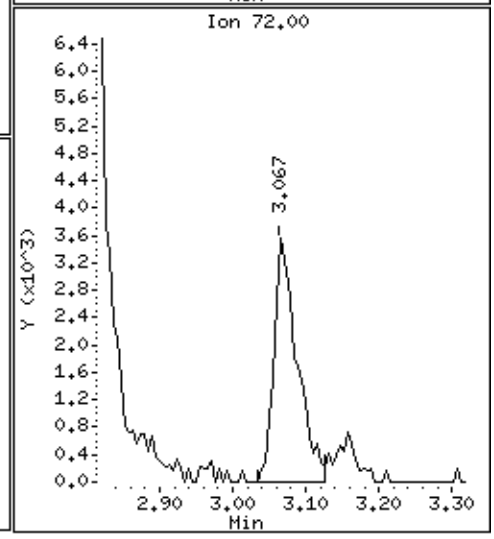












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

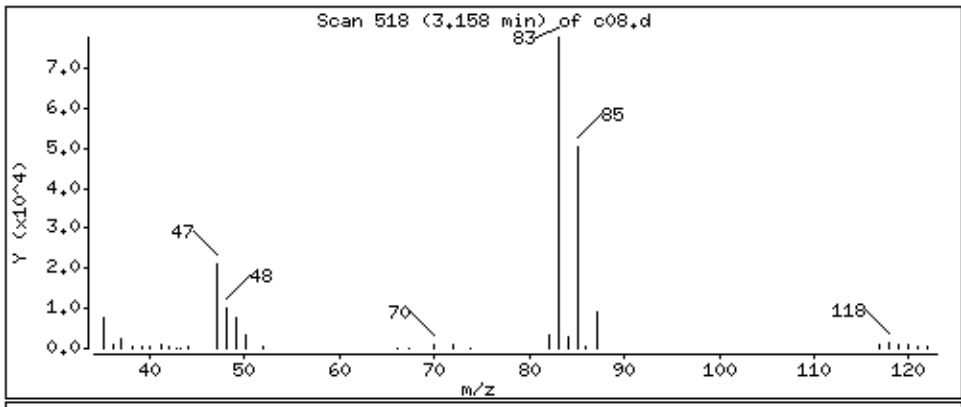
Column phase: DB-624

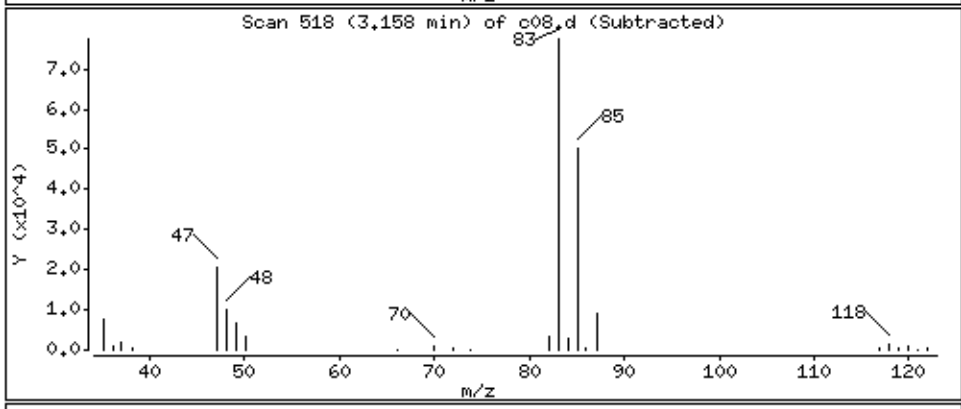
Column diameter: 0.18

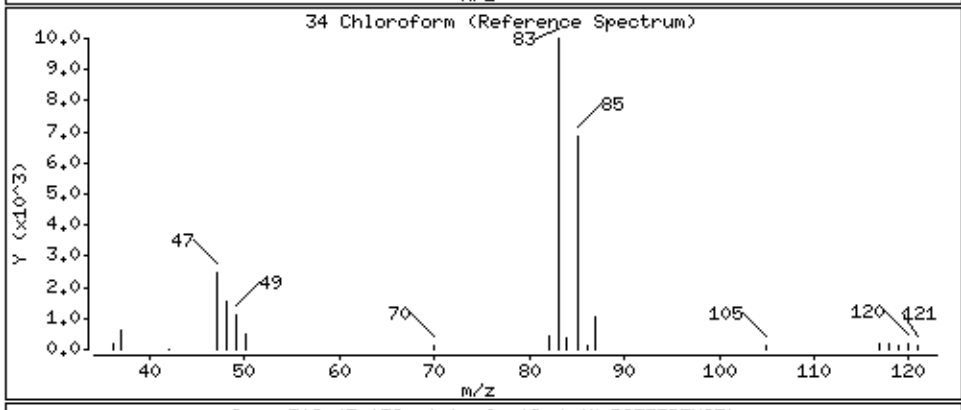
34 Chloroform

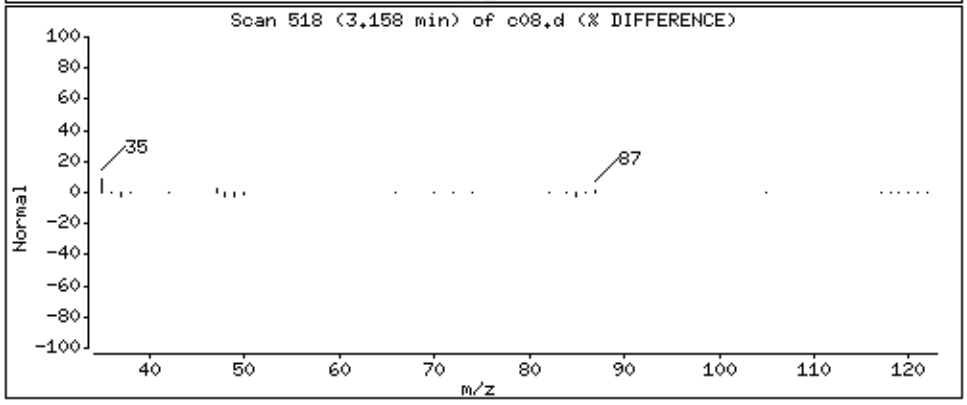
Concentration: 43.3 ppb

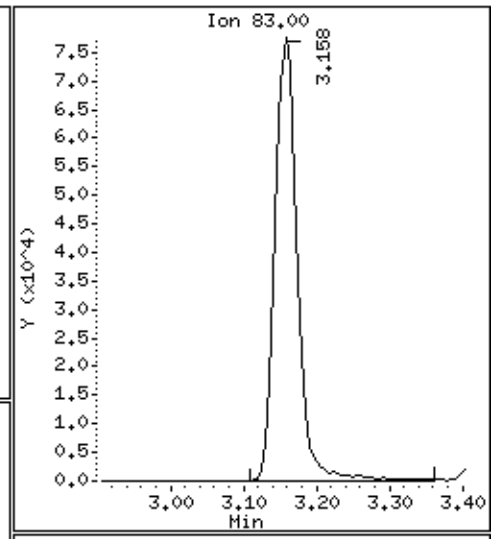
Review Code:

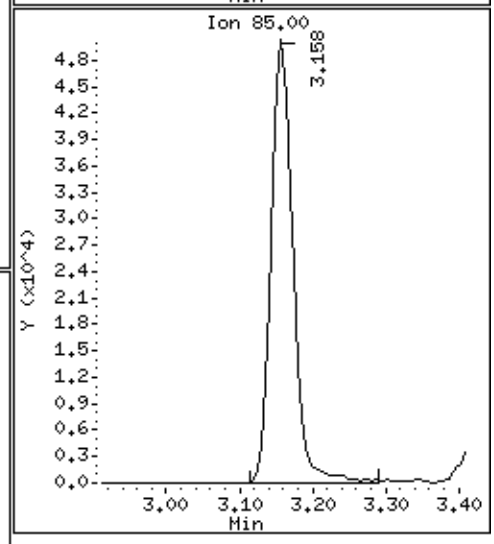












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

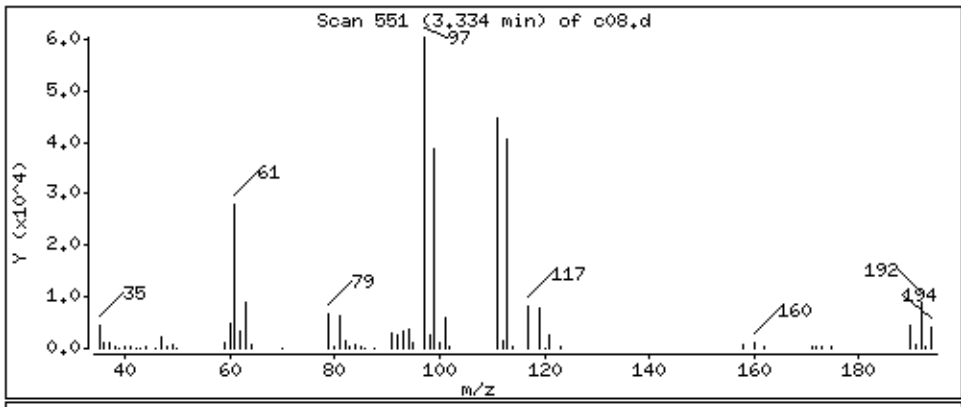
Column phase: DB-624

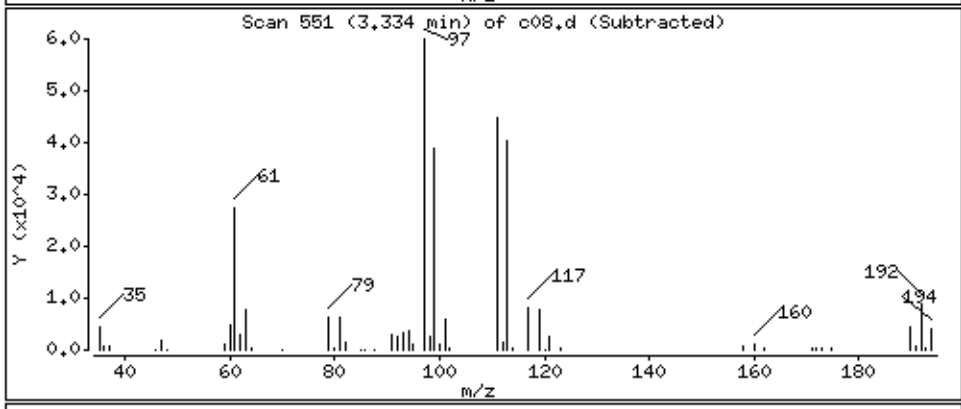
Column diameter: 0.18

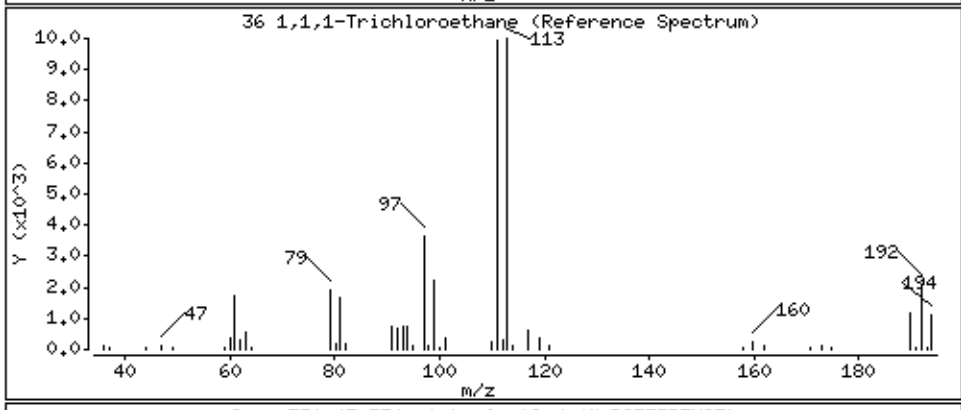
36 1,1,1-Trichloroethane

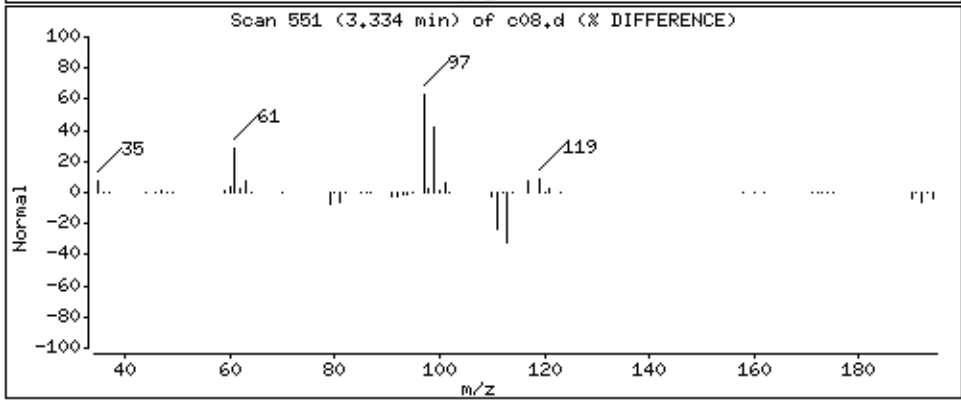
Concentration: 38.9 ppb

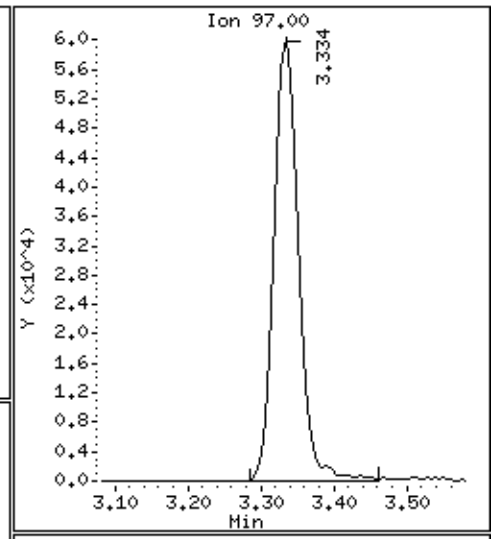
Review Code:

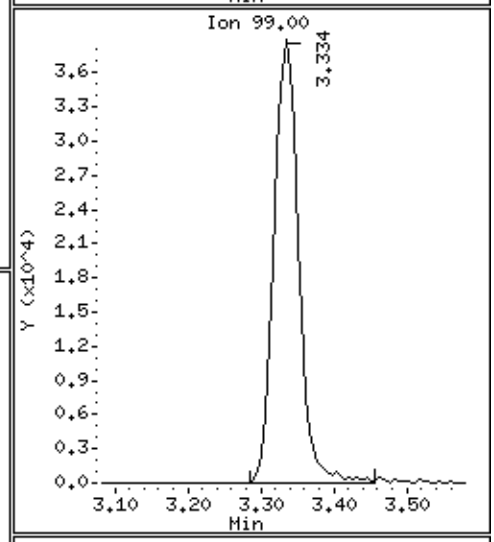


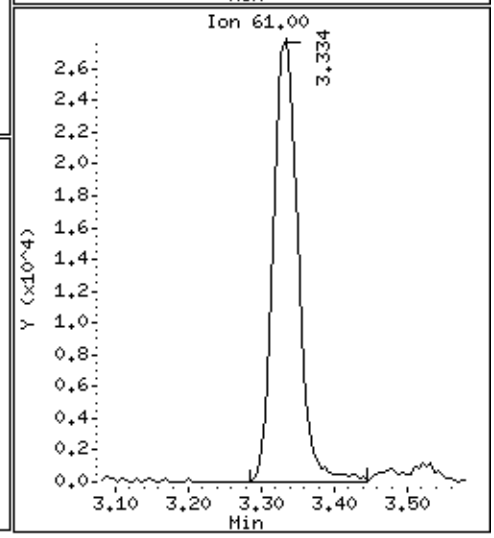












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

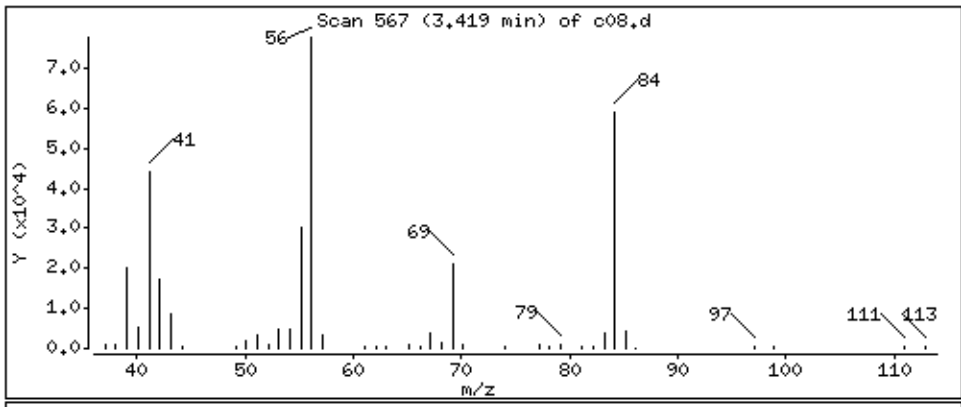
Column phase: DB-624

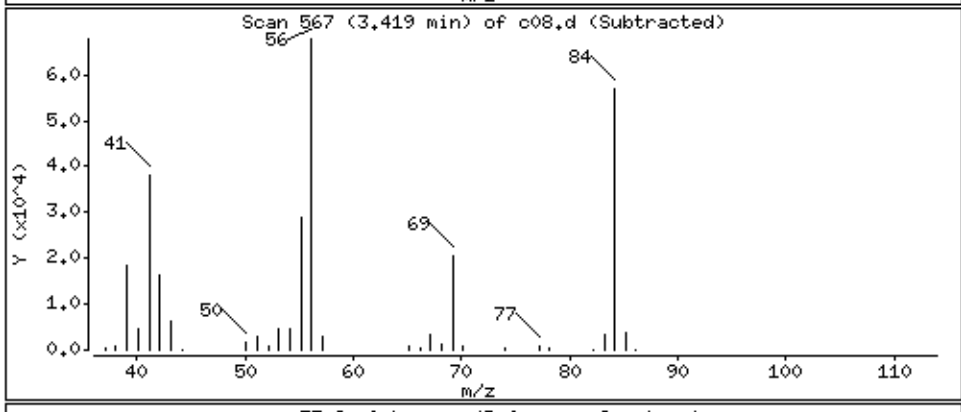
Column diameter: 0.18

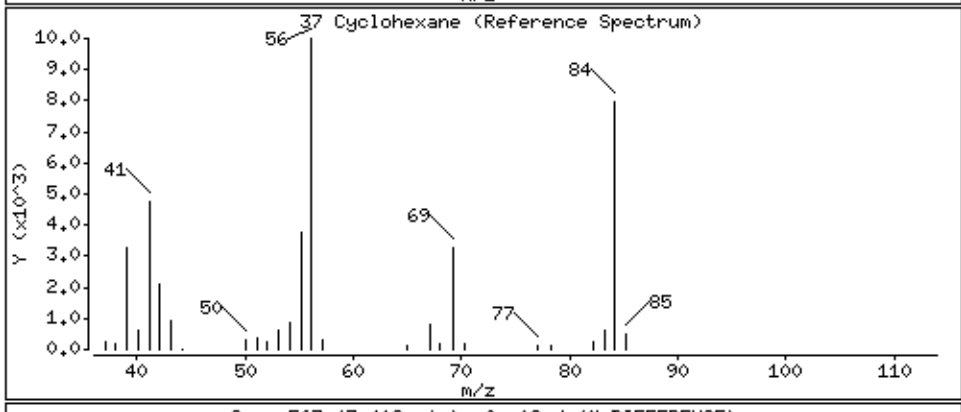
37 Cyclohexane

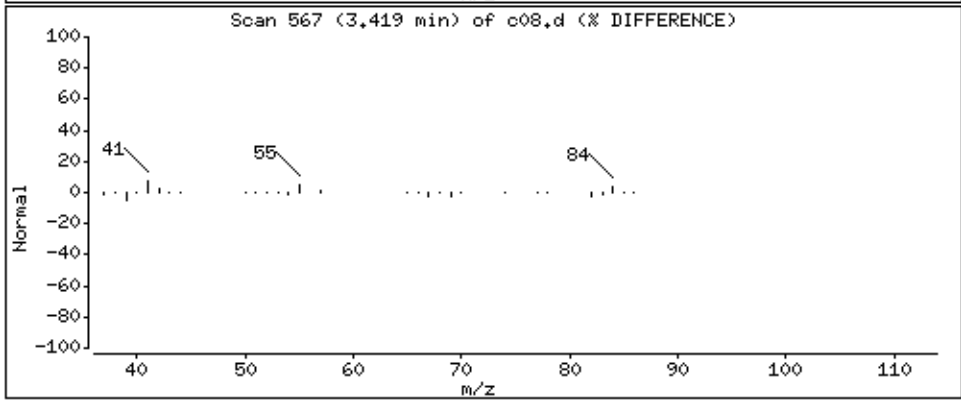
Concentration: 42.5 ppb

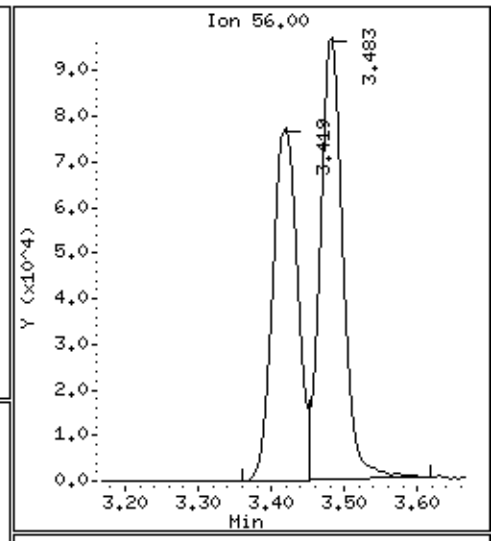
Review Code:

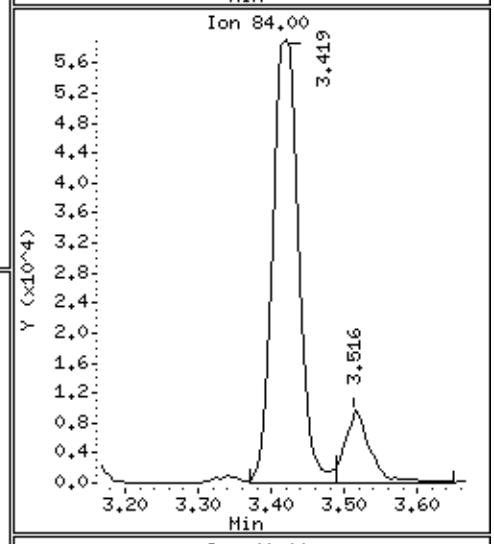


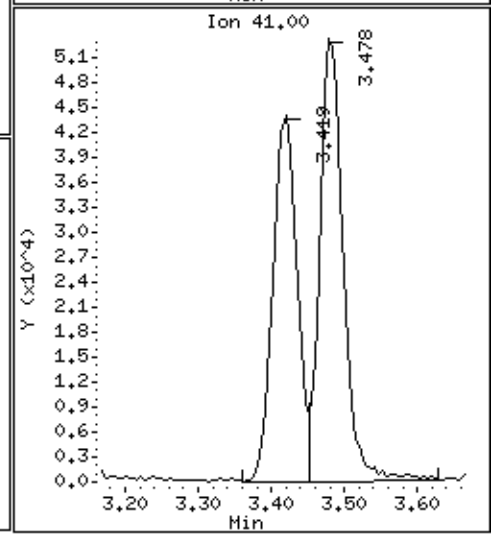












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

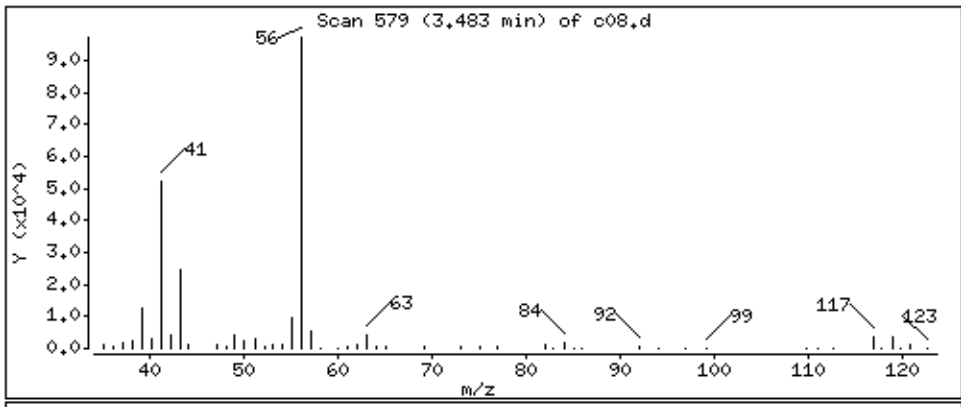
Column phase: DB-624

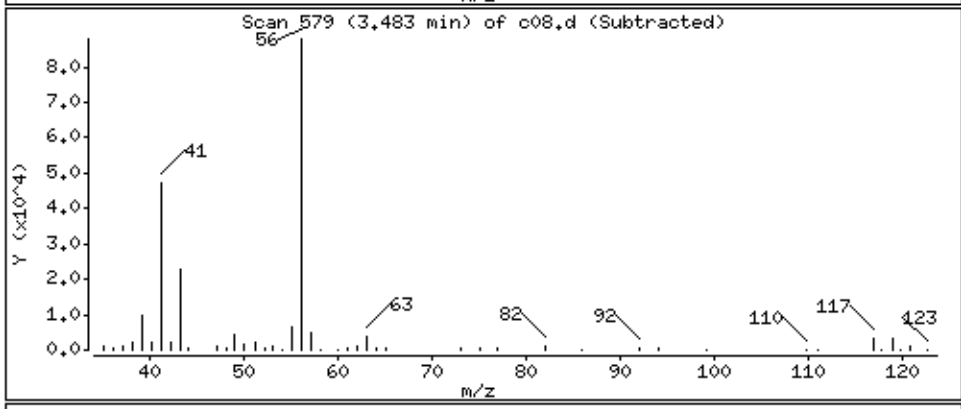
Column diameter: 0.18

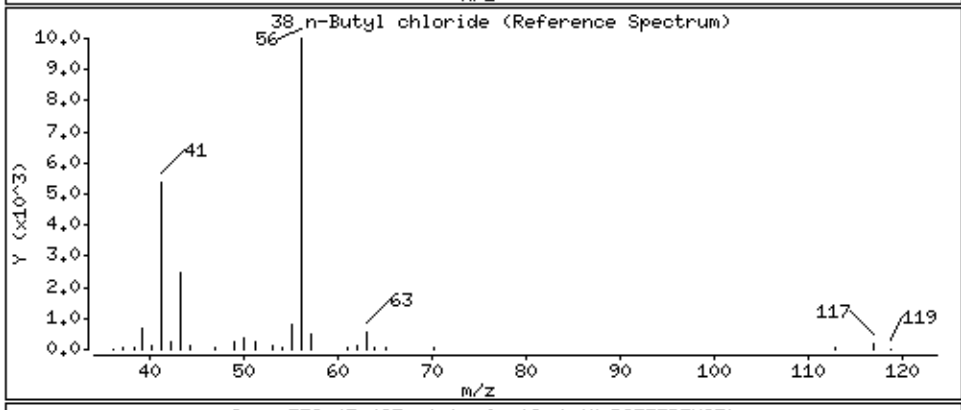
38 n-Butyl chloride

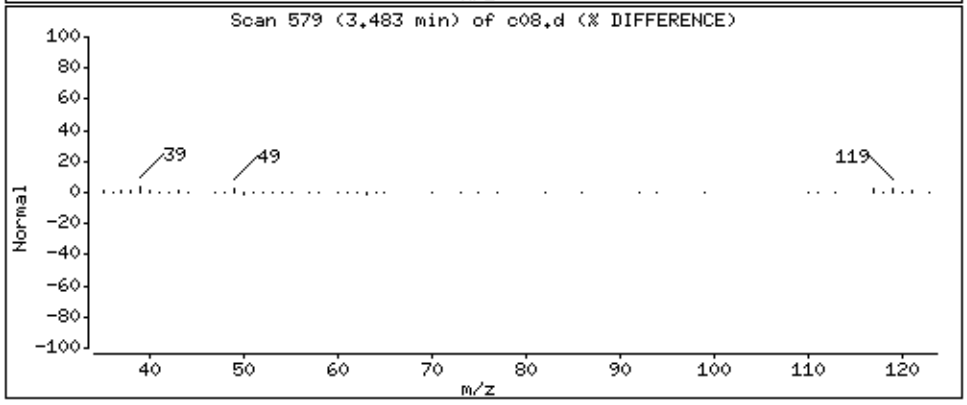
Concentration: 41.8 ppb

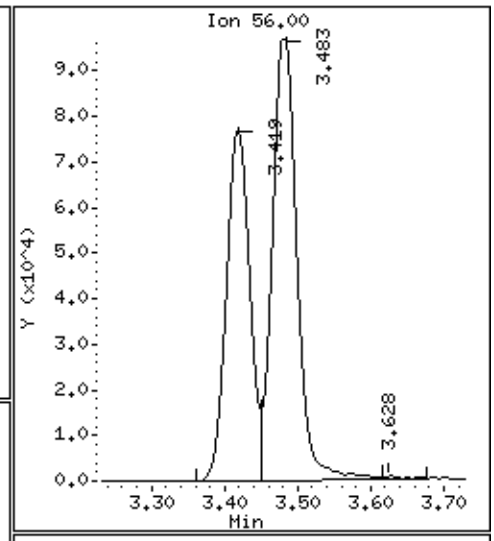
Review Code:

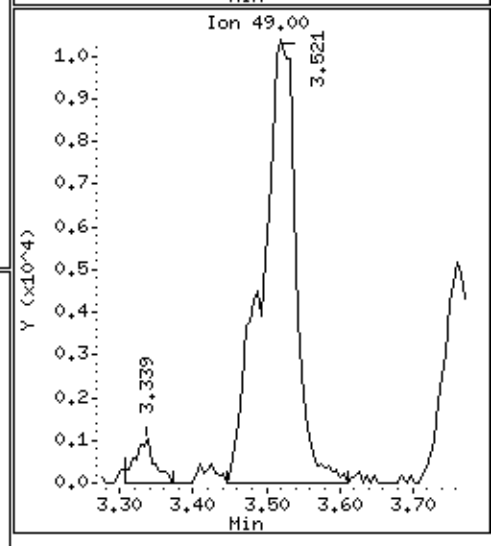












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

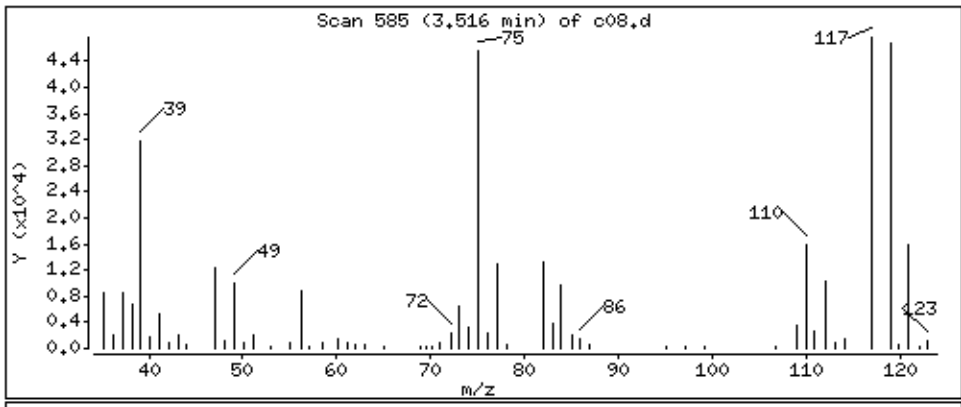
Column phase: DB-624

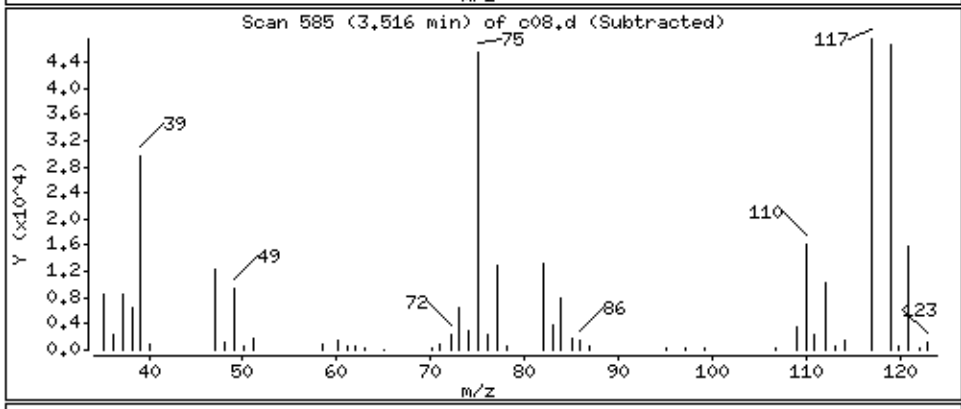
Column diameter: 0.18

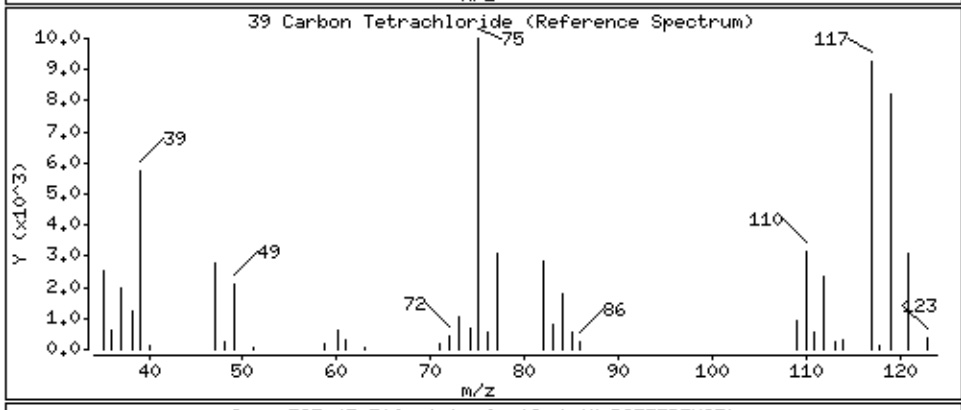
39 Carbon Tetrachloride

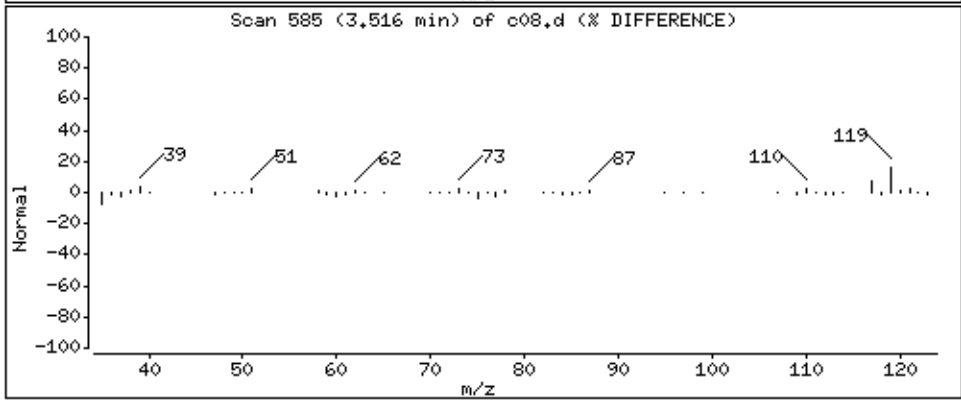
Concentration: 39.2 ppb

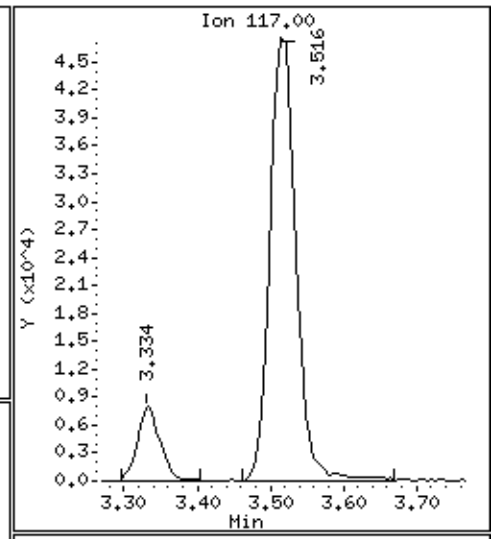
Review Code:

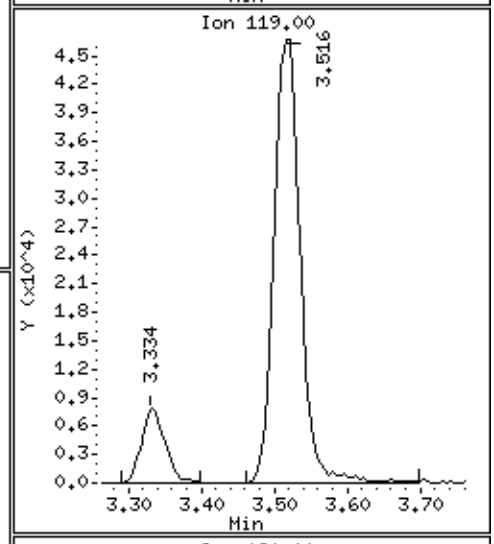


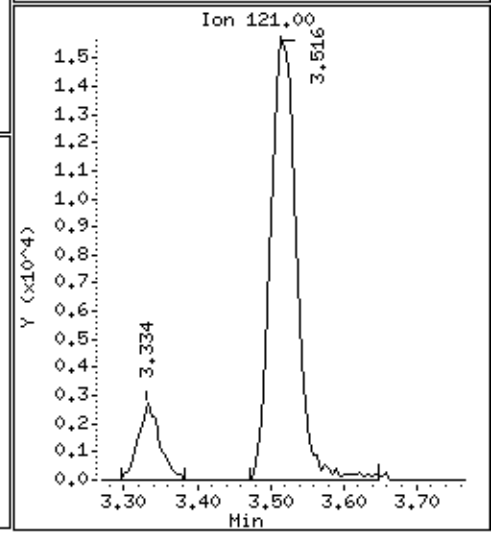












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

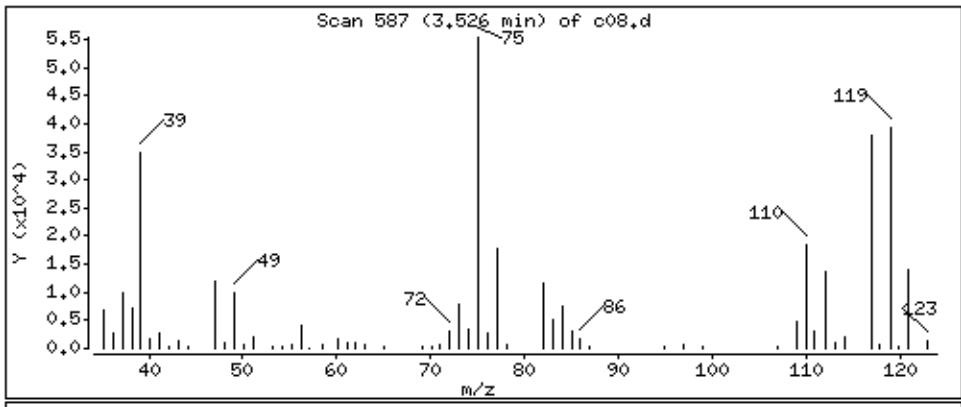
Column phase: DB-624

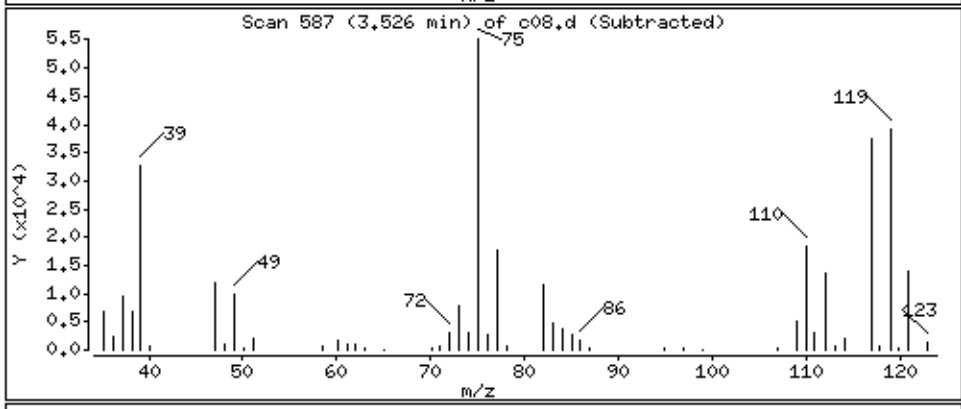
Column diameter: 0.18

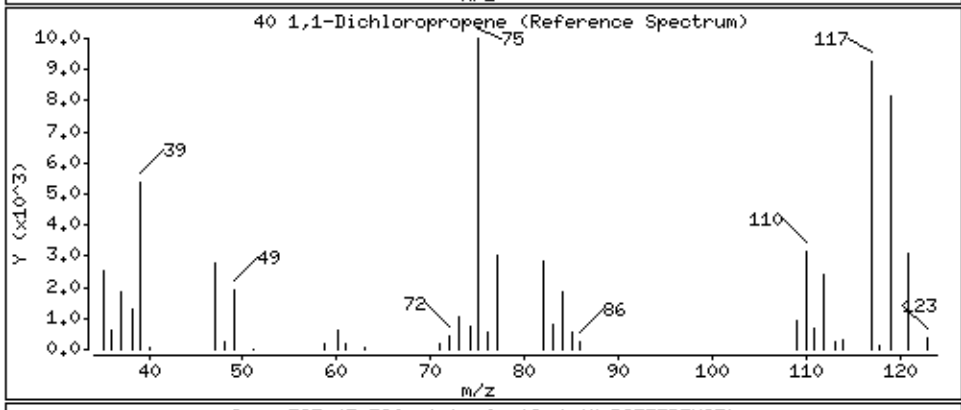
40 1,1-Dichloropropene

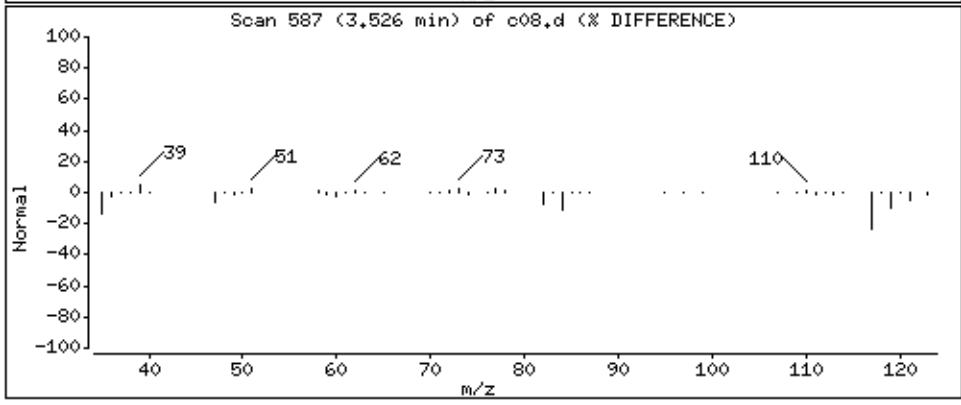
Concentration: 39.8 ppb

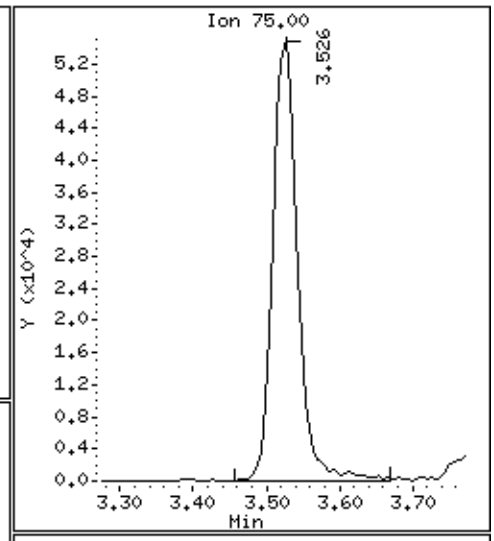
Review Code:

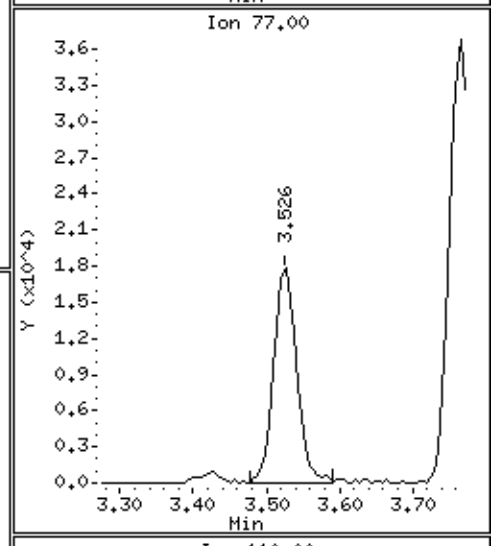


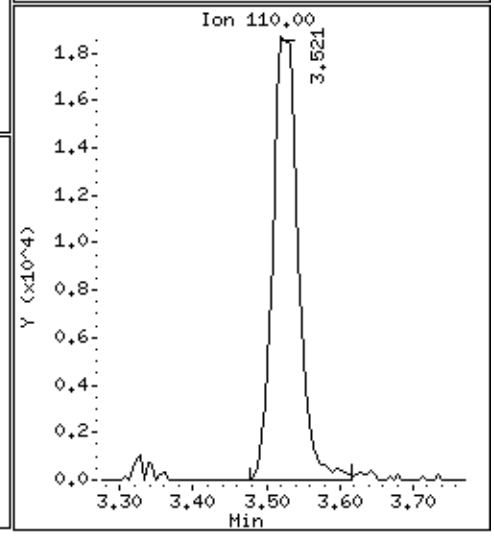












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

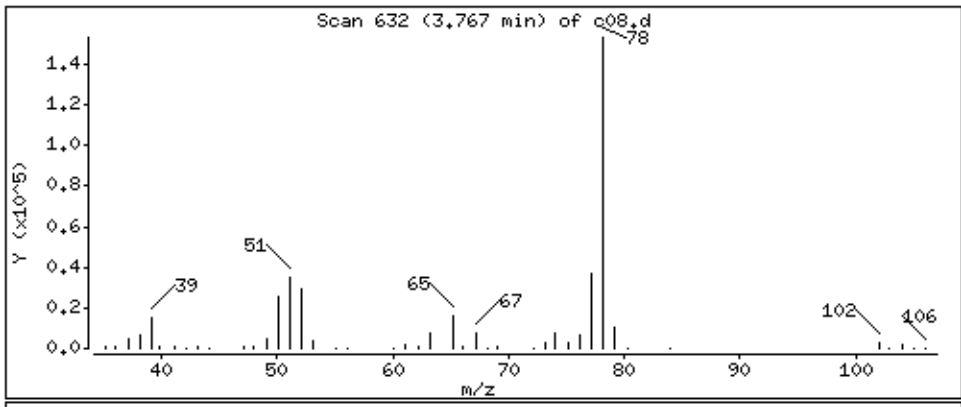
Column phase: DB-624

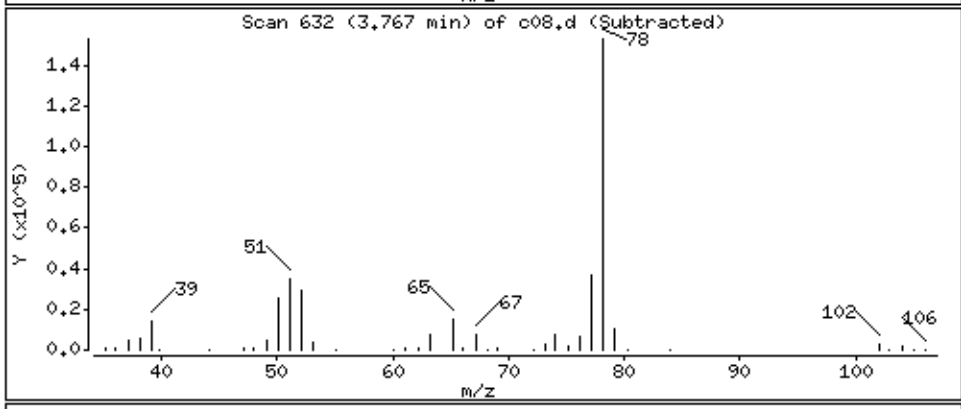
Column diameter: 0.18

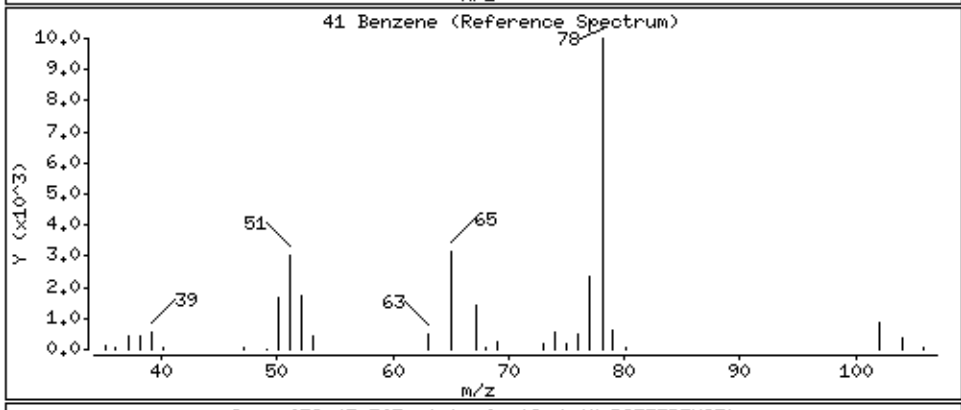
41 Benzene

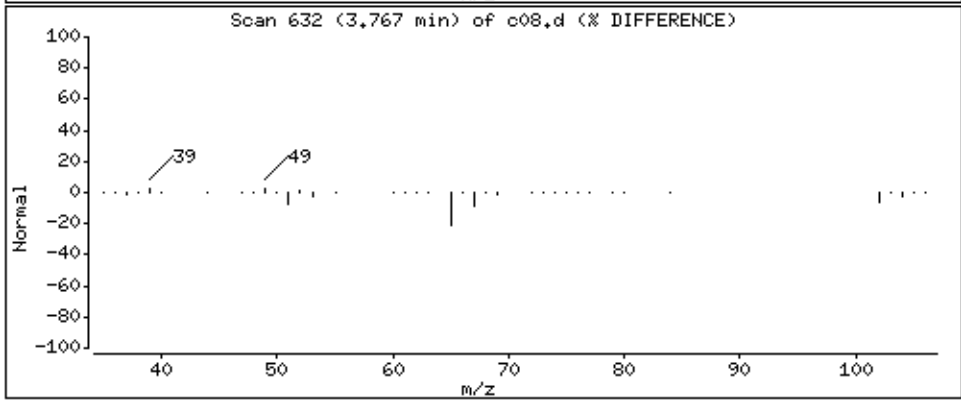
Concentration: 41.9 ppb

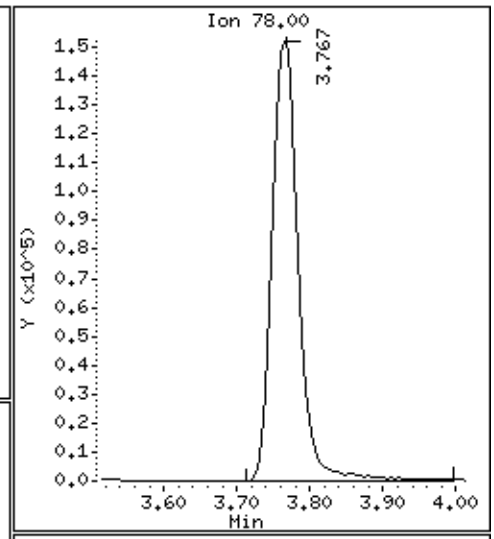
Review Code:

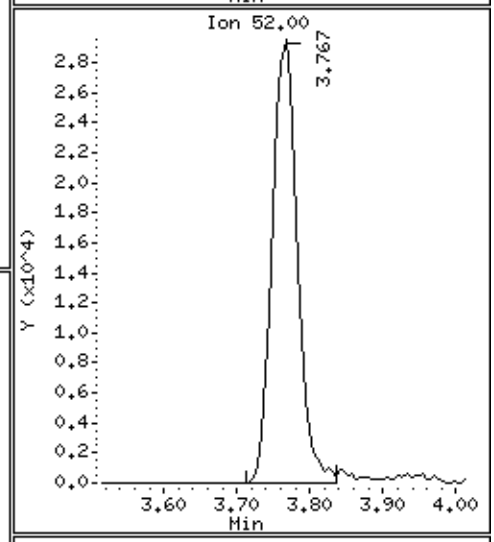


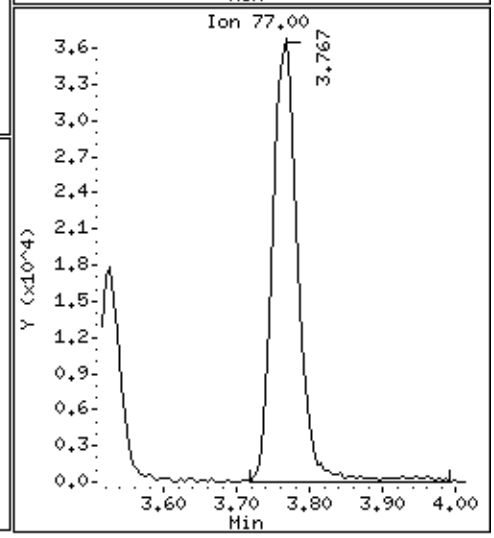












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

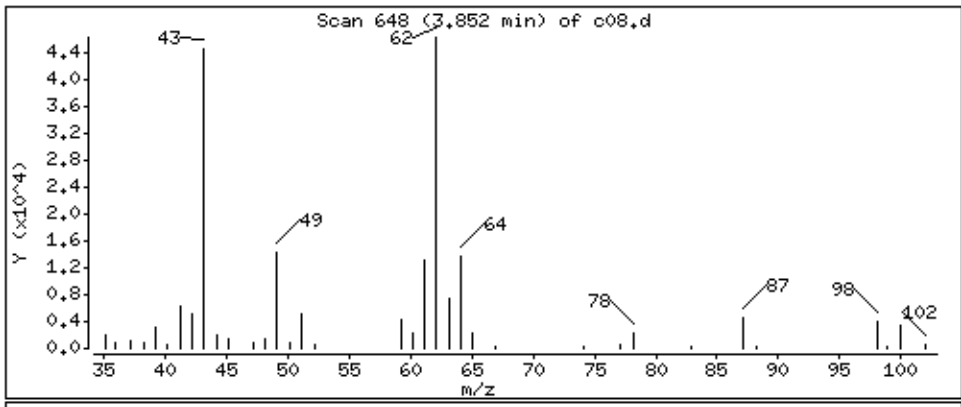
Column phase: DB-624

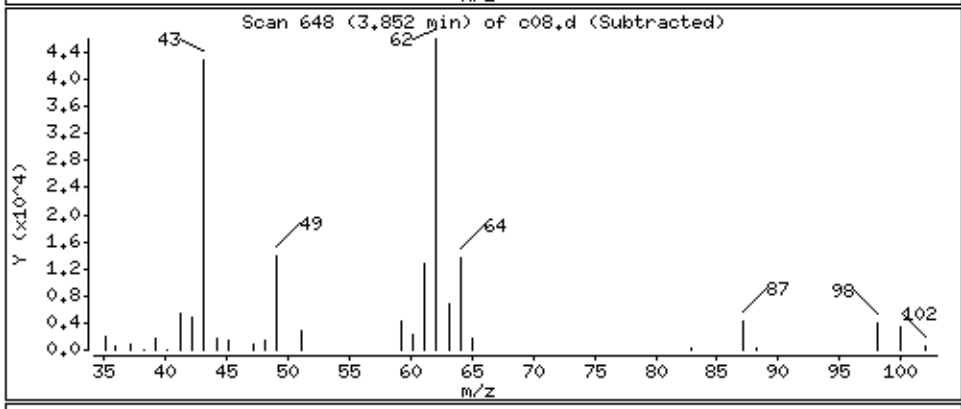
Column diameter: 0.18

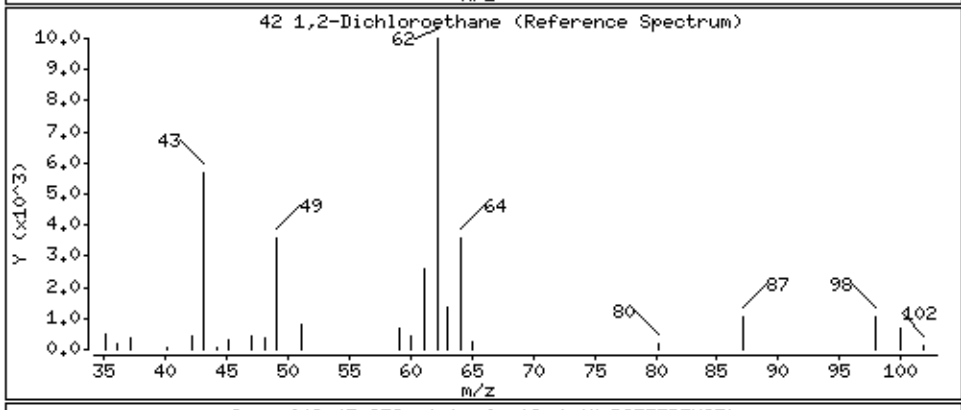
42 1,2-Dichloroethane

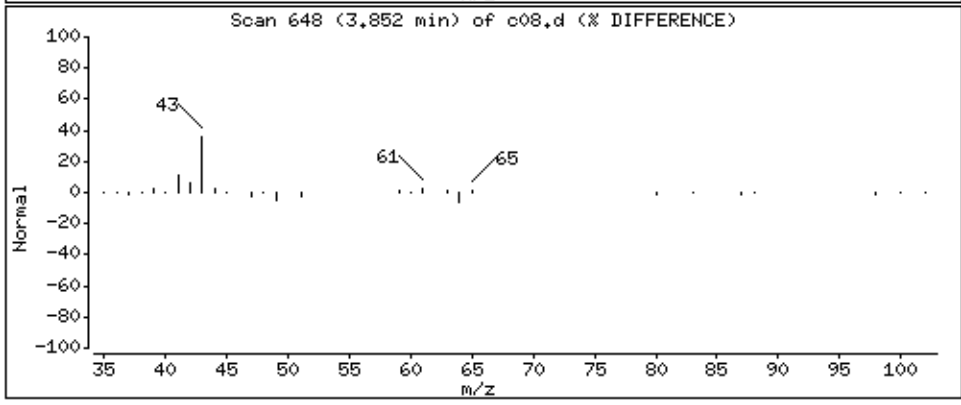
Concentration: 41.7 ppb

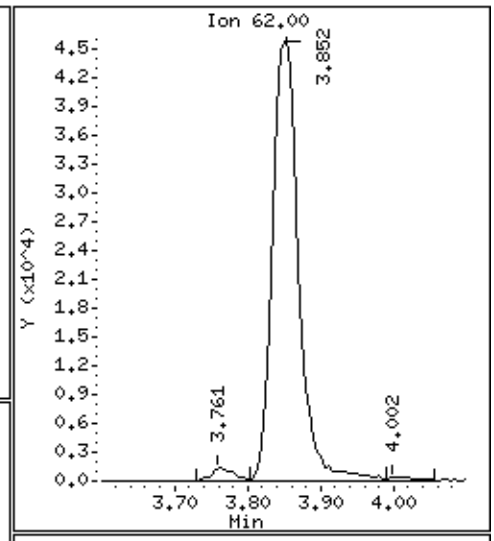
Review Code:

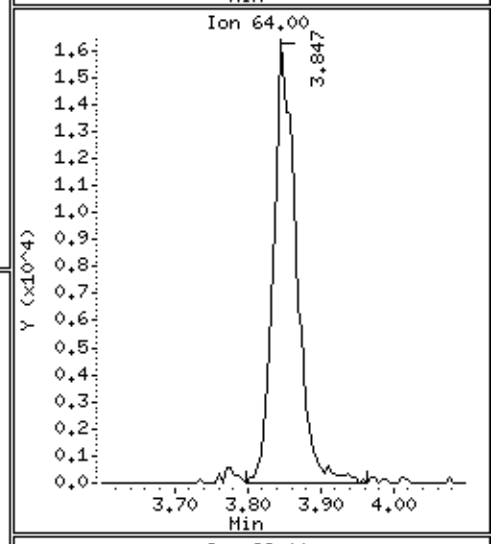


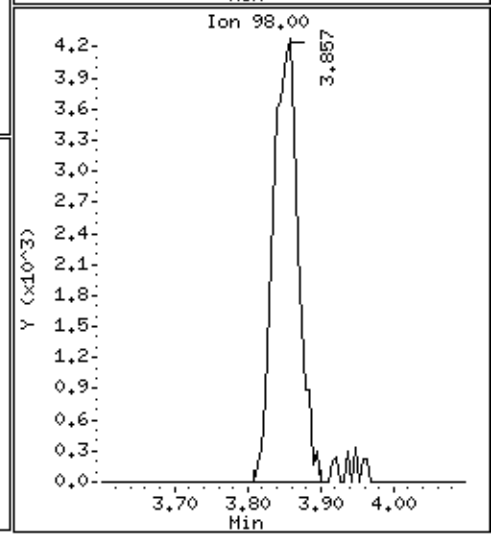












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

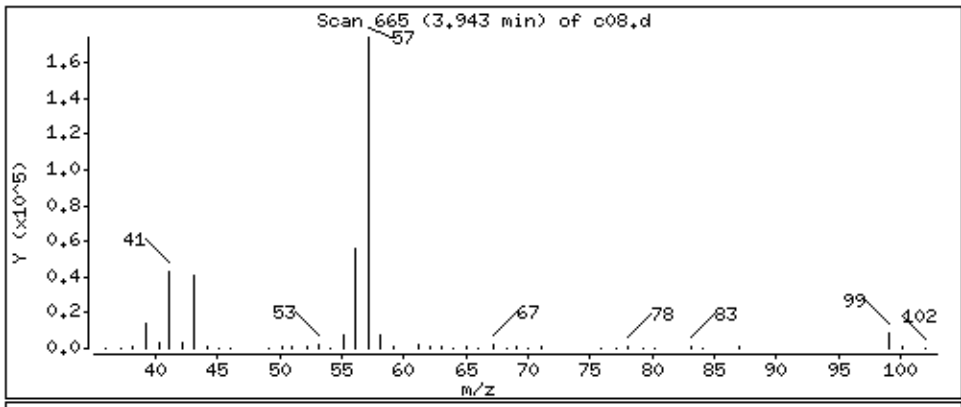
Column phase: DB-624

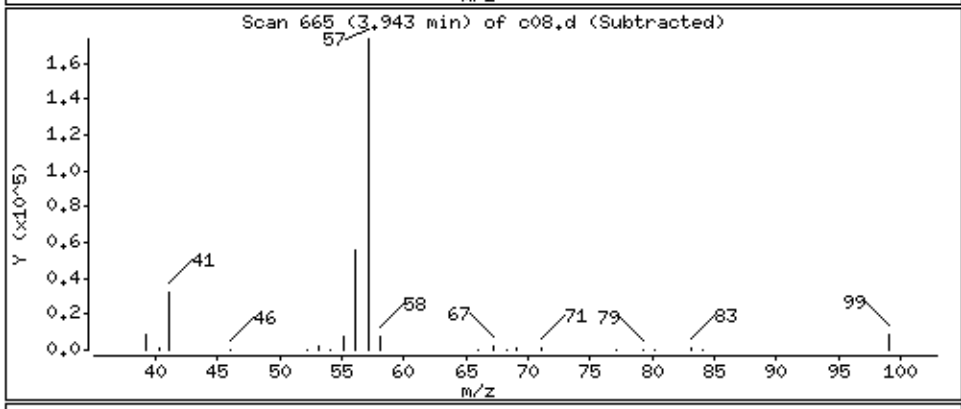
Column diameter: 0.18

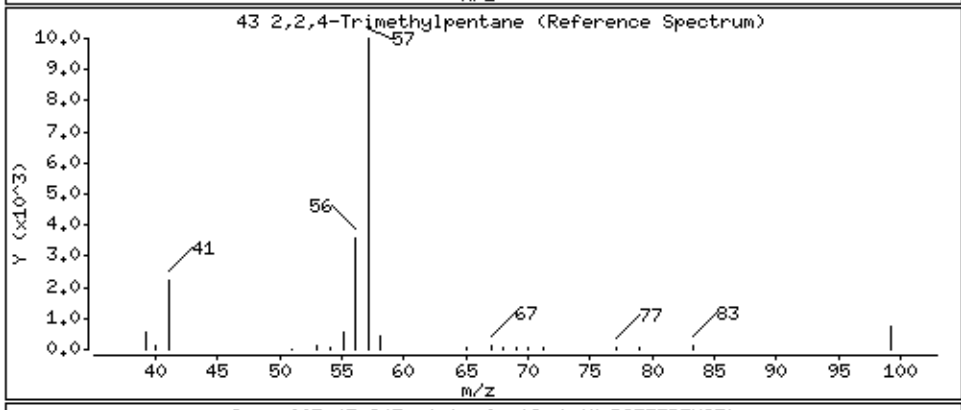
43 2,2,4-Trimethylpentane

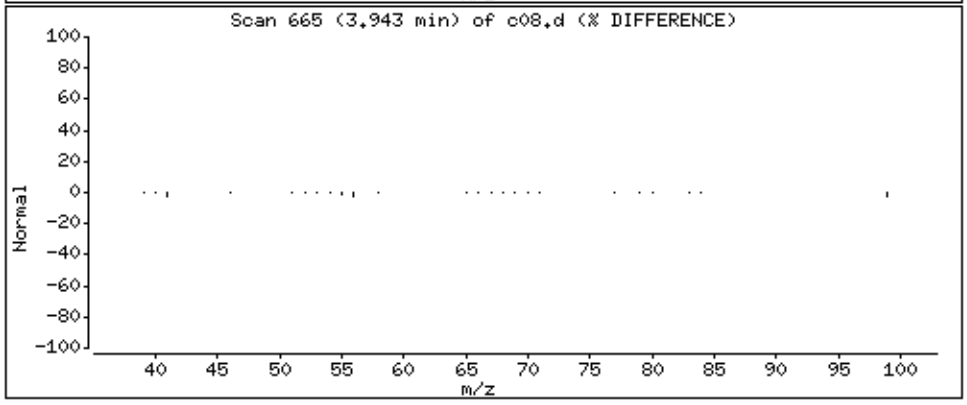
Concentration: 44.2 ppb

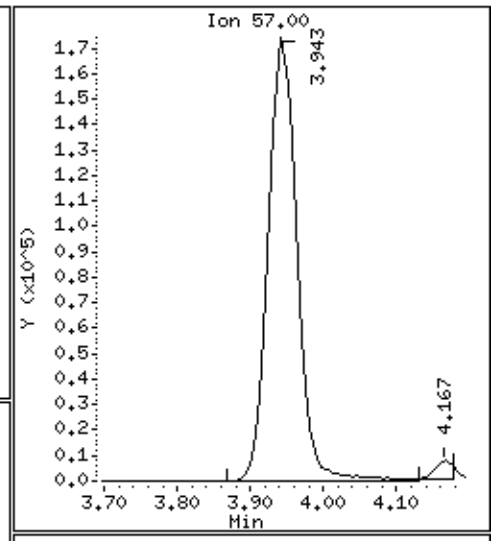
Review Code:

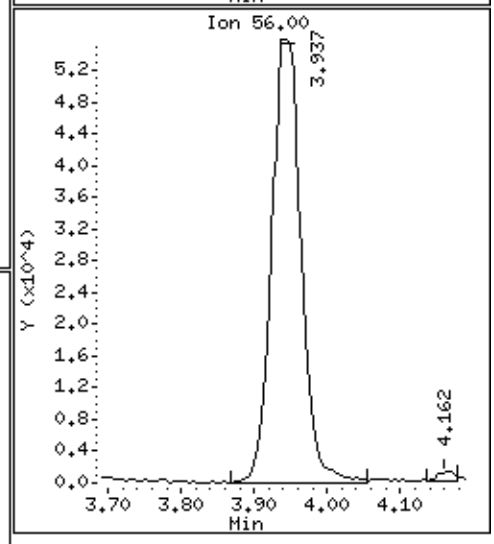












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

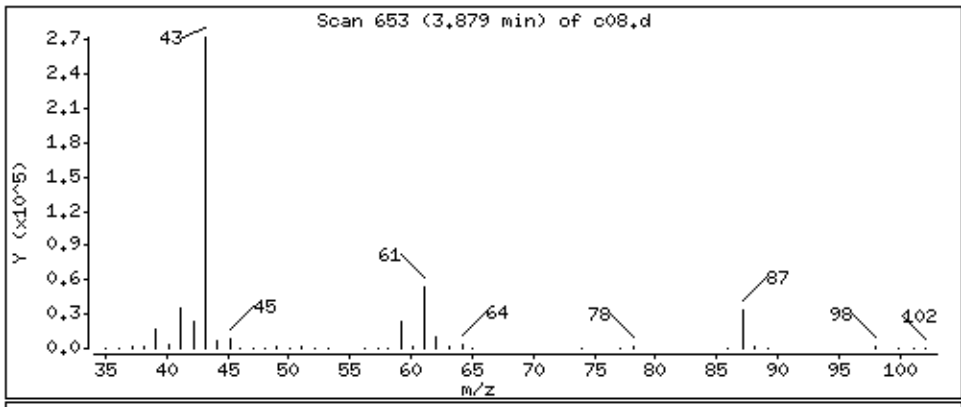
Column phase: DB-624

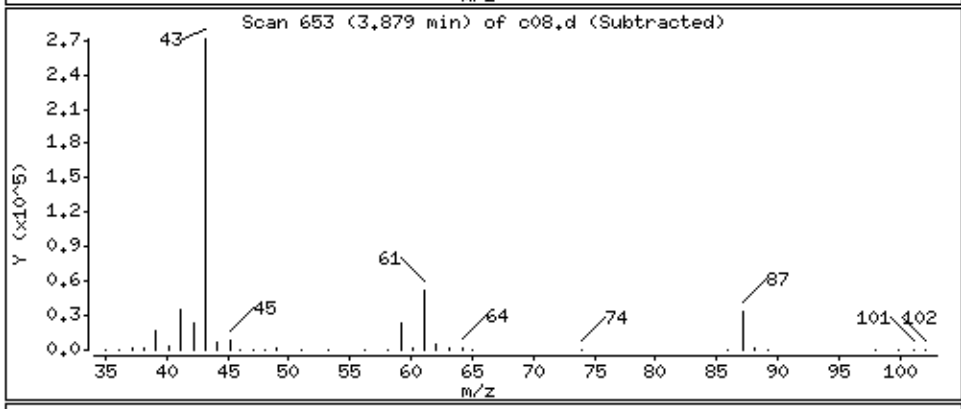
Column diameter: 0.18

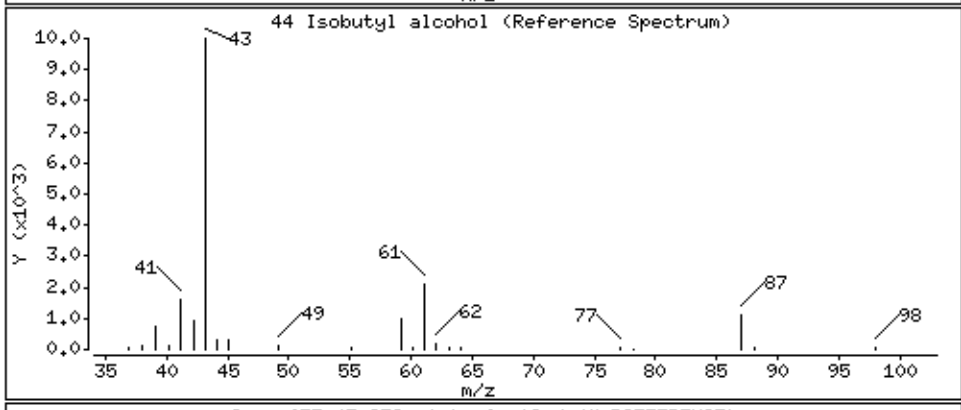
44 Isobutyl alcohol

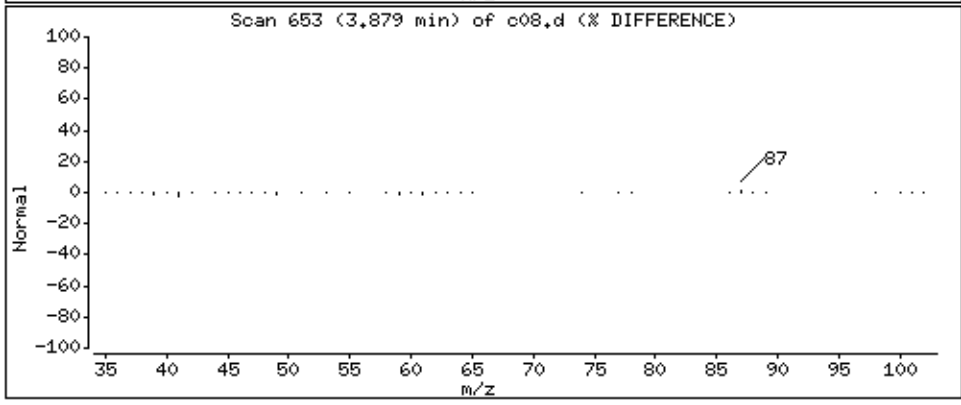
Concentration: 52.5 ppb

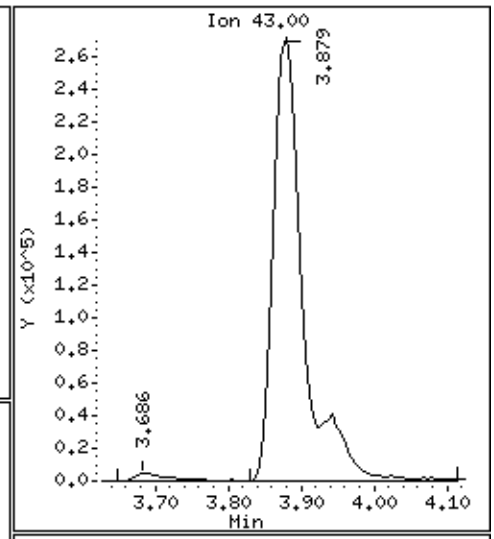
Review Code:

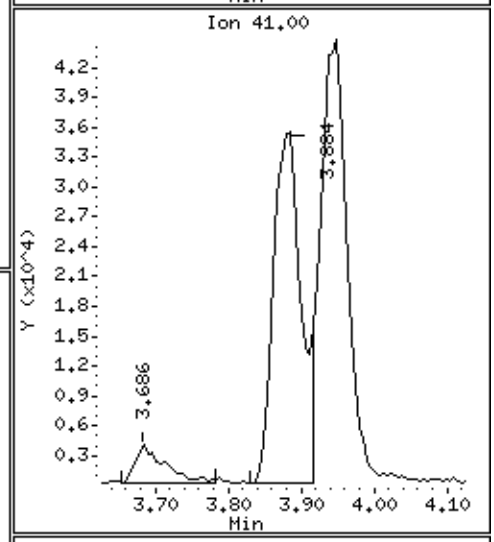


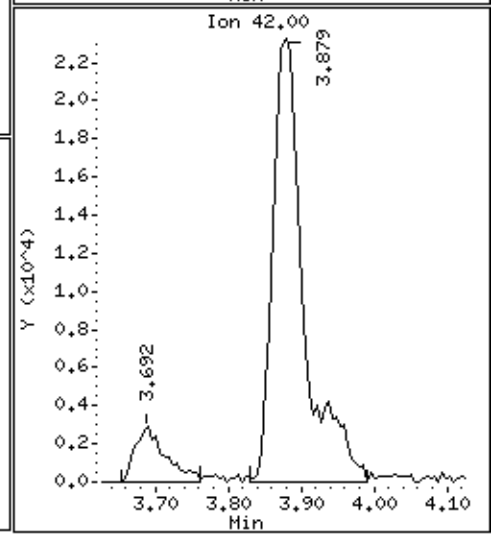












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

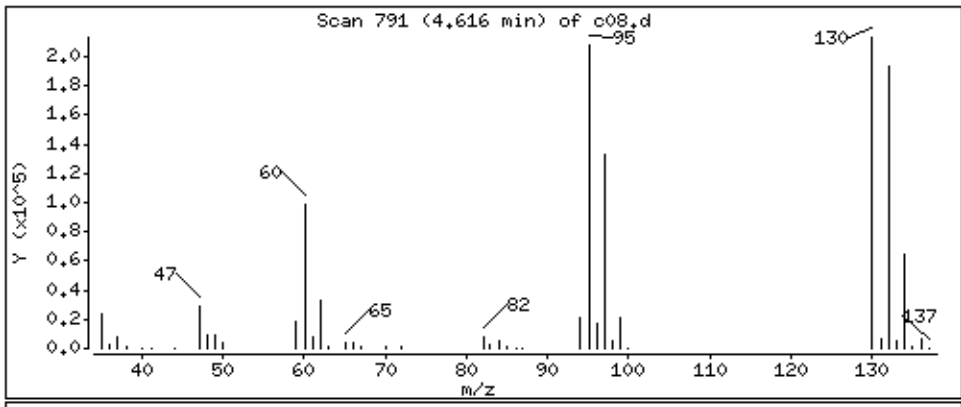
Column phase: DB-624

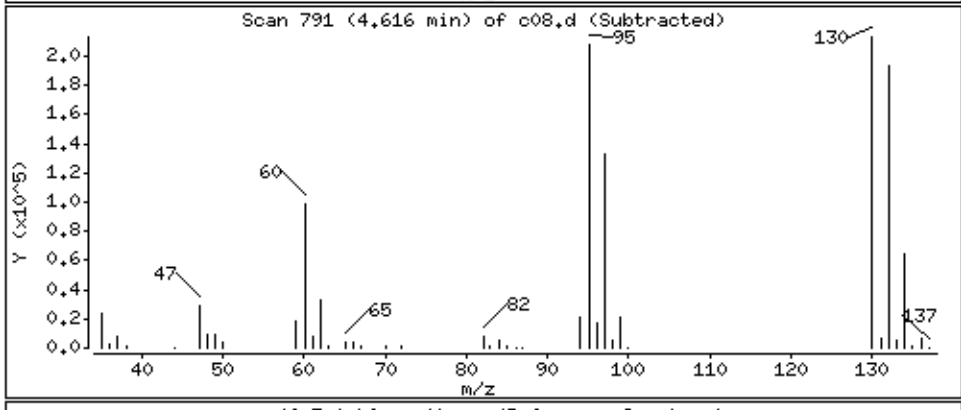
Column diameter: 0.18

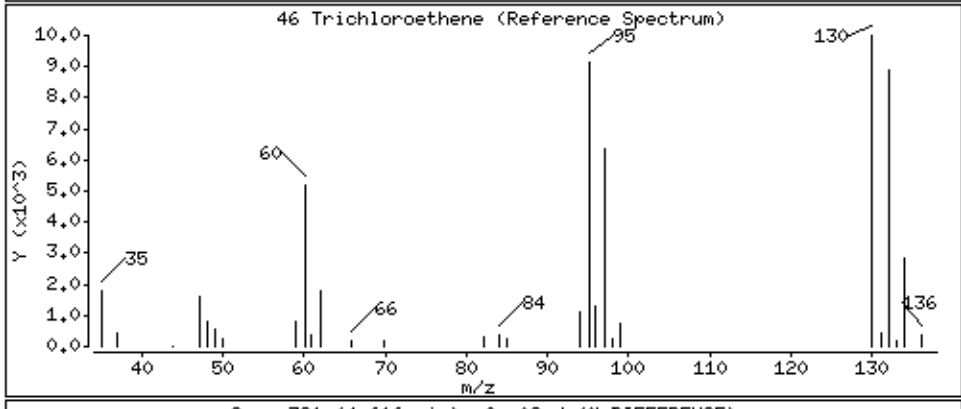
46 Trichloroethene

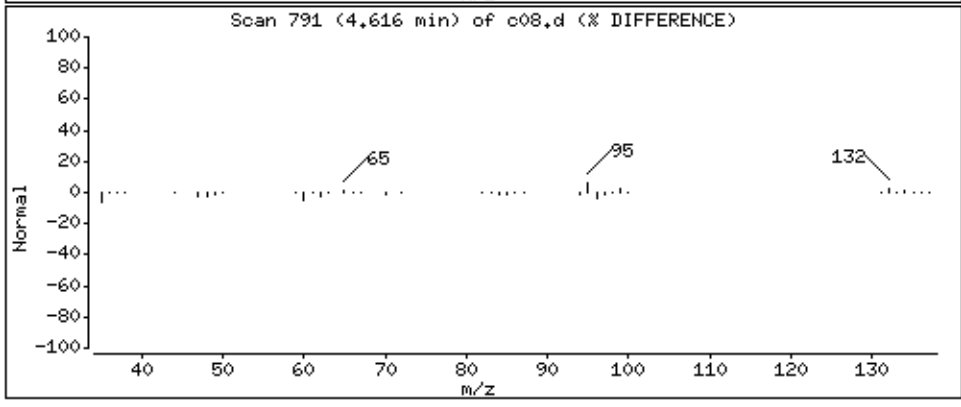
Concentration: 188 ppb

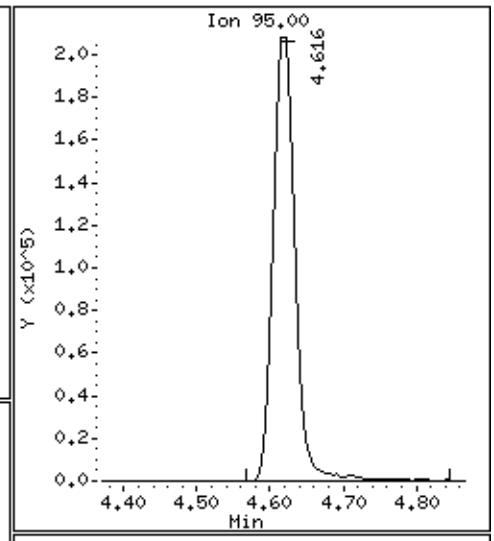
Review Code:

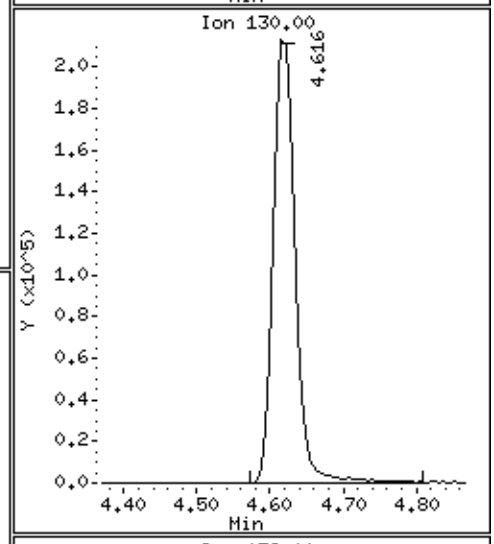


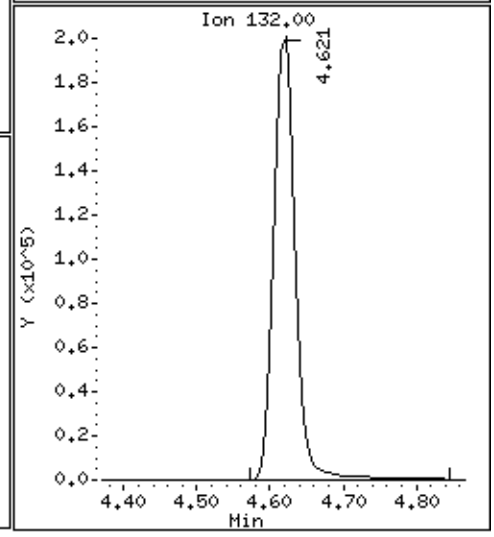












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

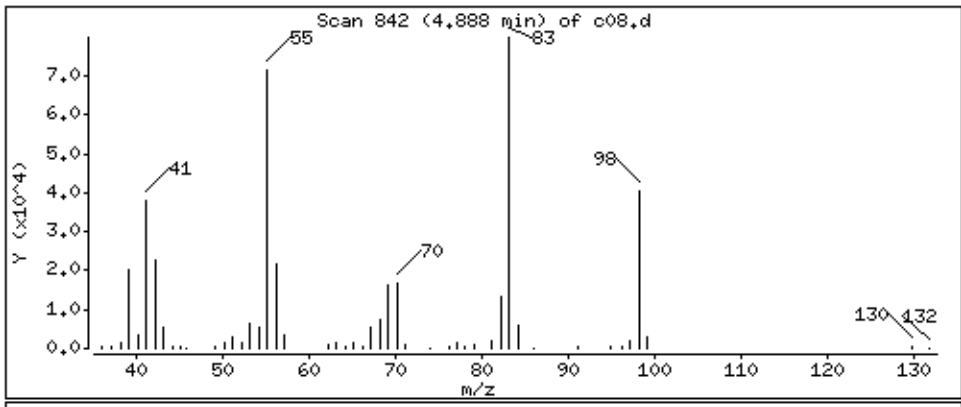
Column phase: DB-624

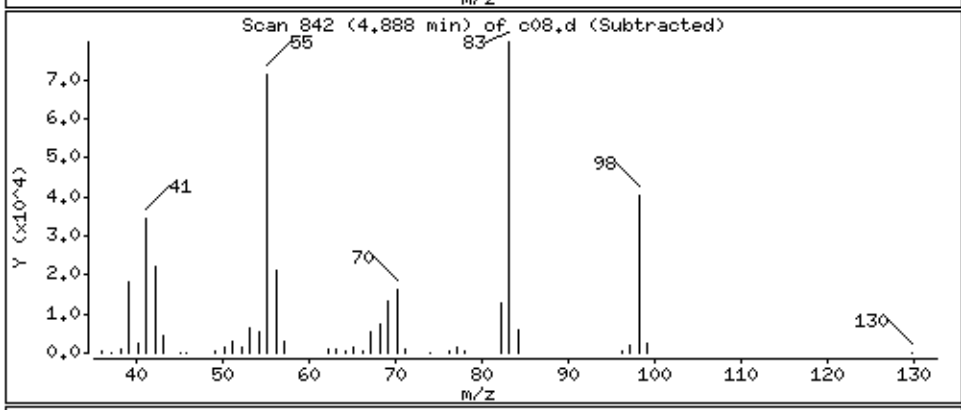
Column diameter: 0.18

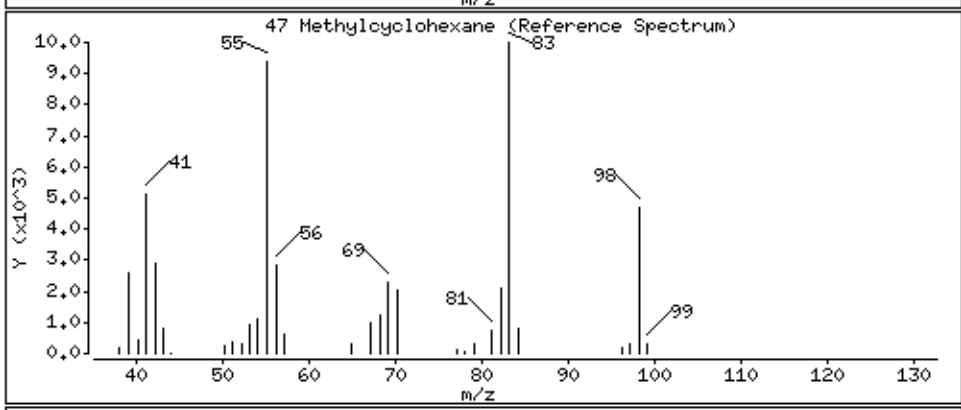
47 Methylcyclohexane

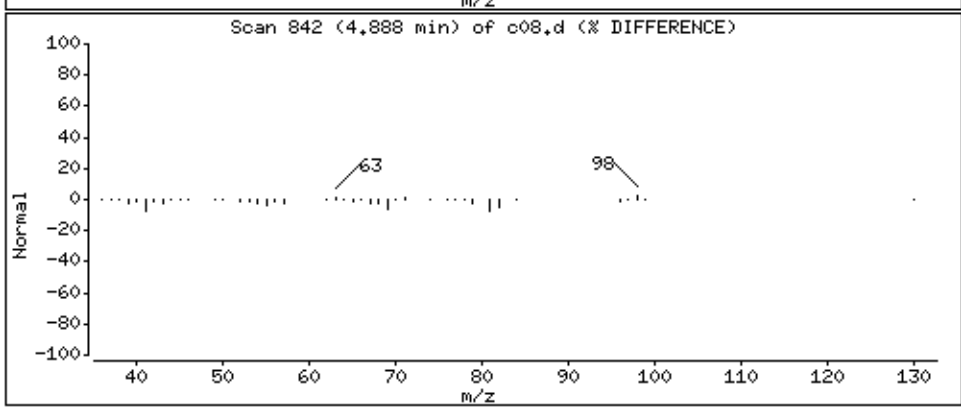
Concentration: 44.1 ppb

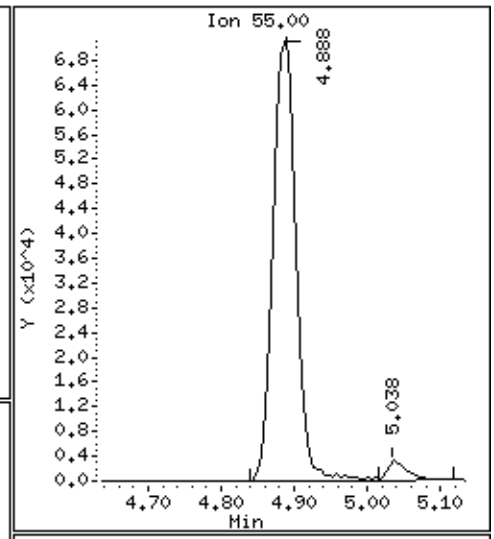
Review Code:

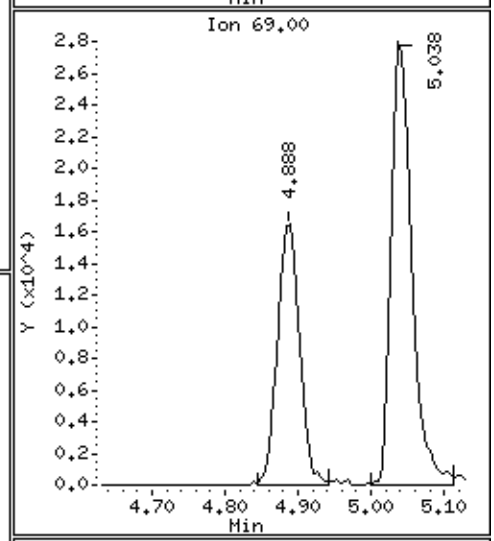


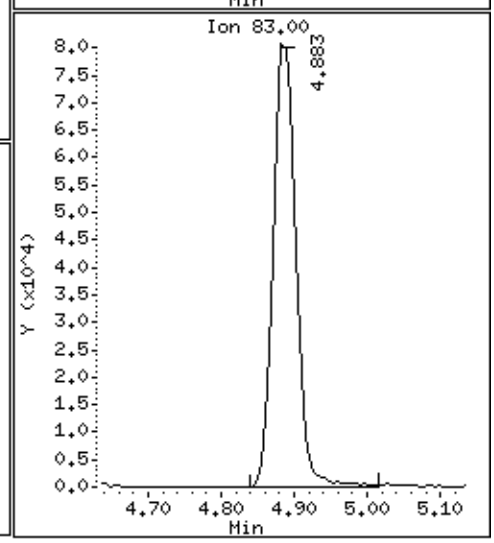












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

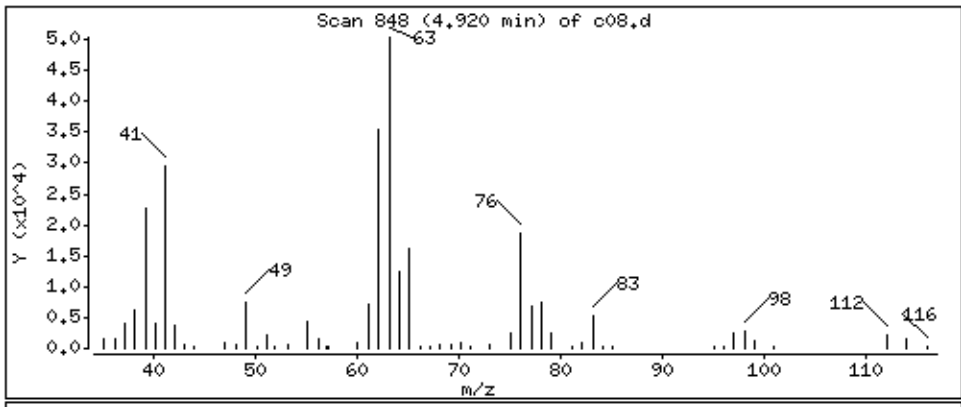
Column phase: DB-624

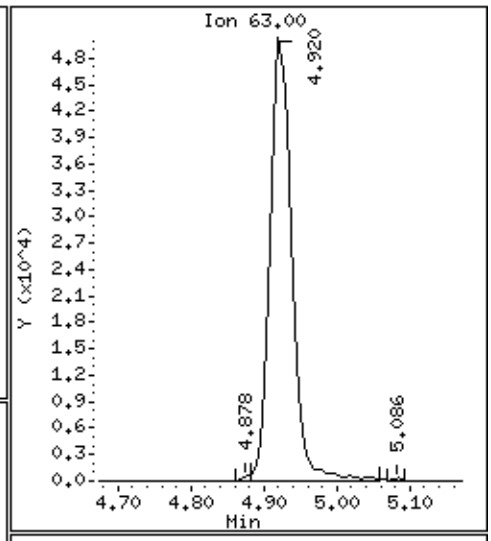
Column diameter: 0.18

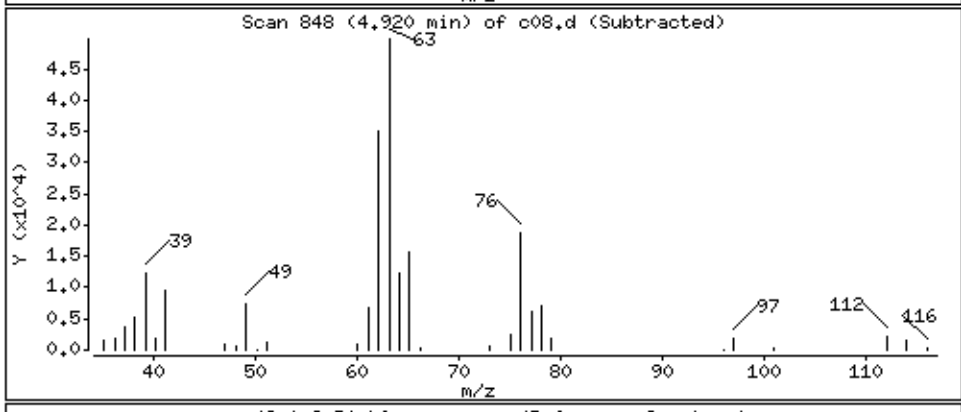
48 1,2-Dichloropropane

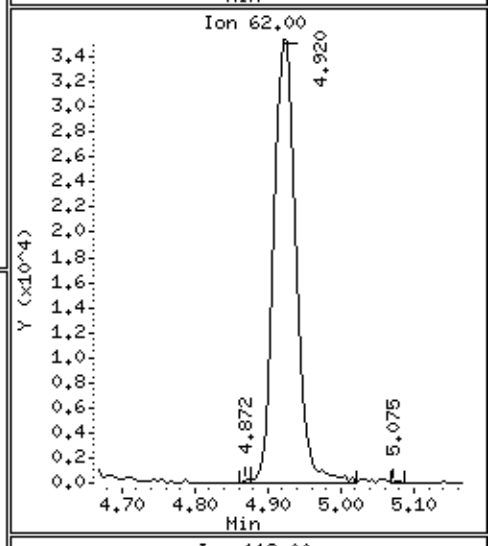
Concentration: 48.6 ppb

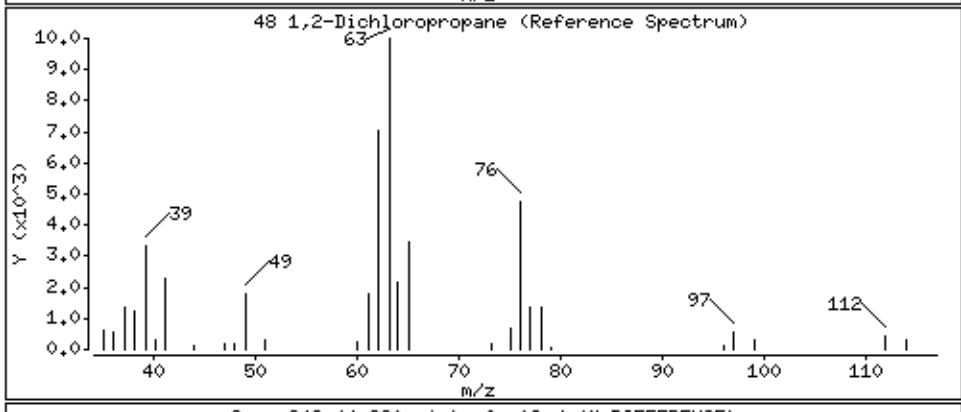
Review Code:

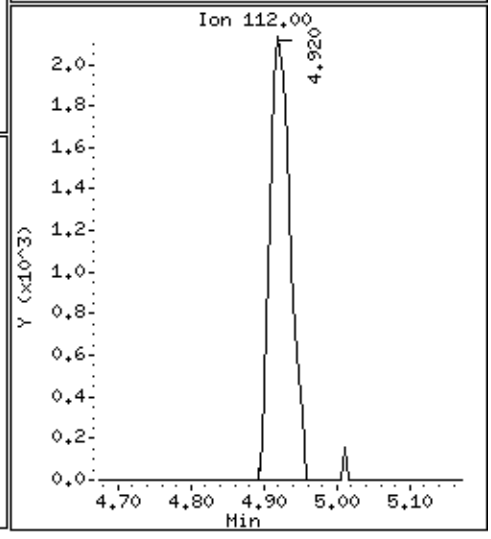


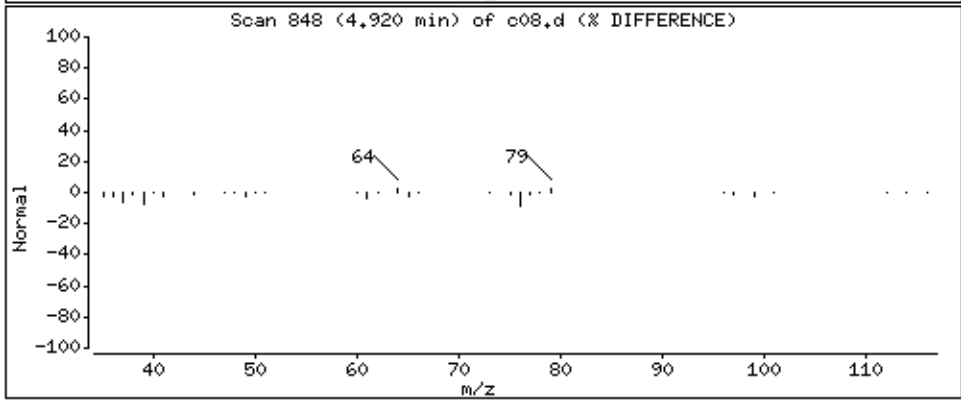












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

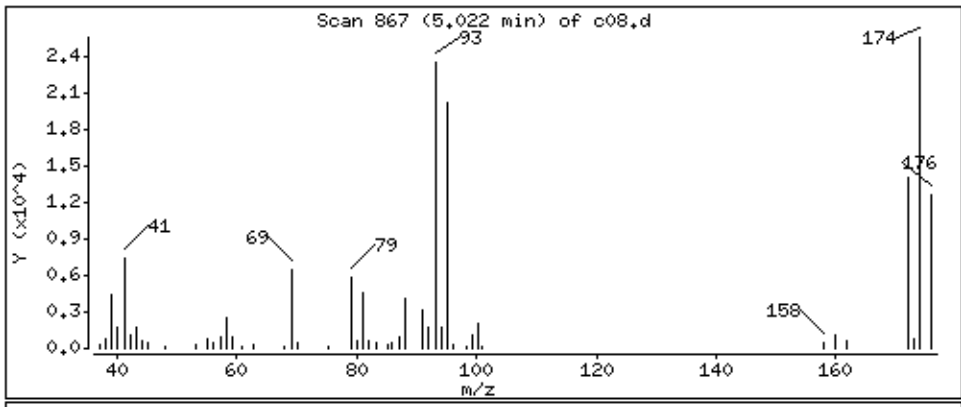
Column phase: DB-624

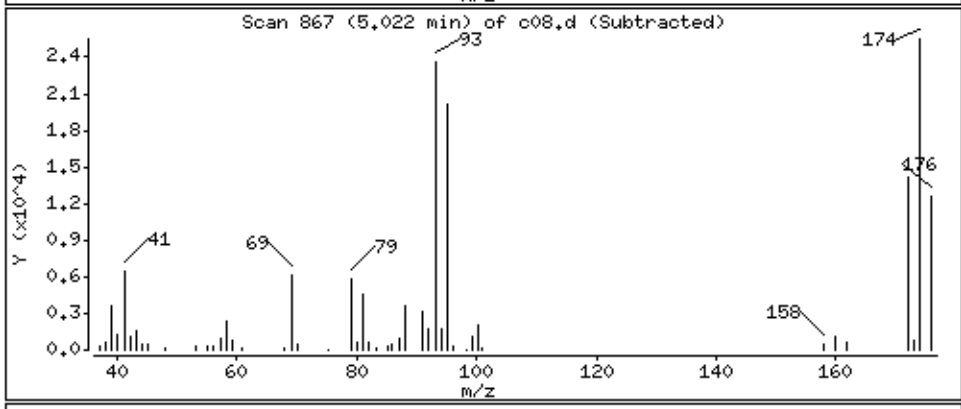
Column diameter: 0.18

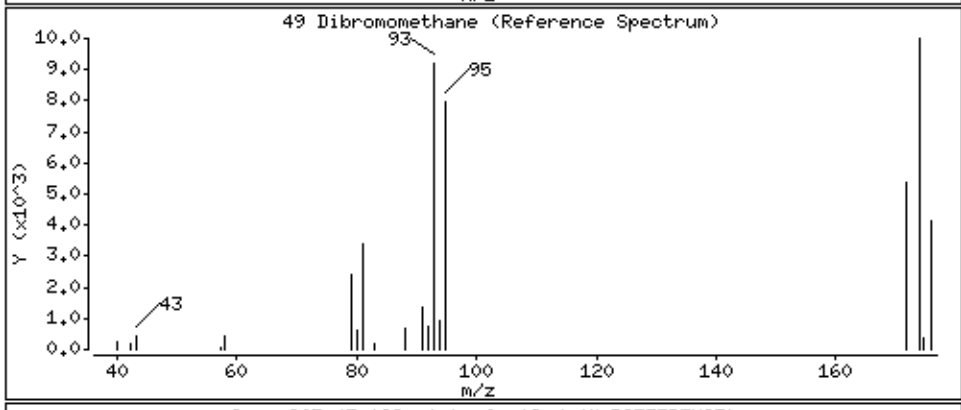
49 Dibromomethane

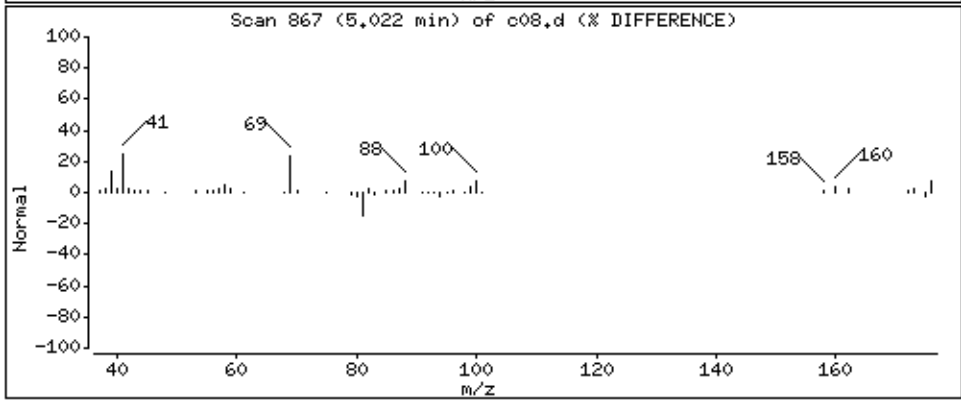
Concentration: 47.9 ppb

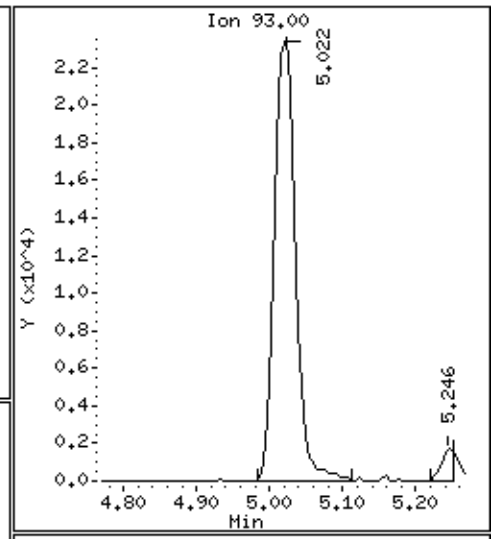
Review Code:

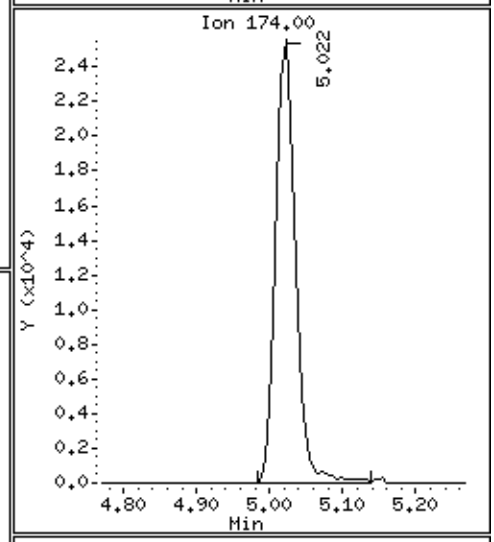


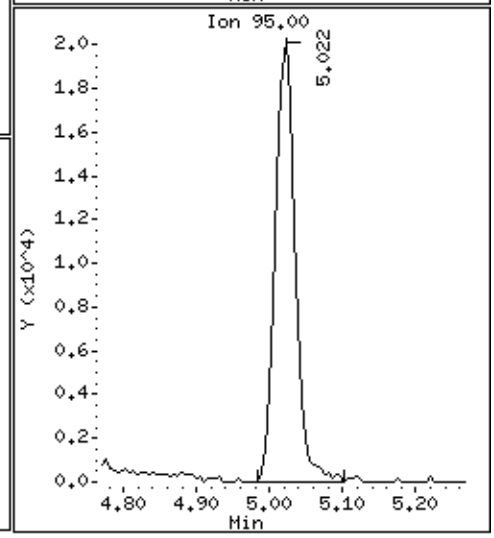












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

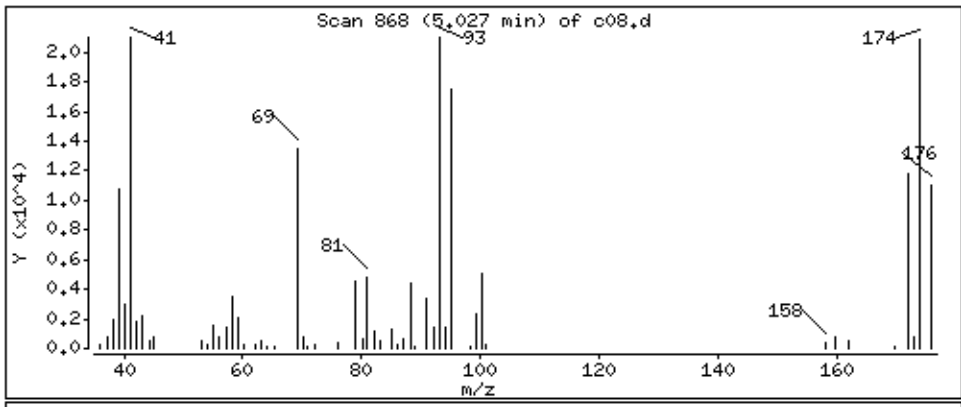
Column phase: DB-624

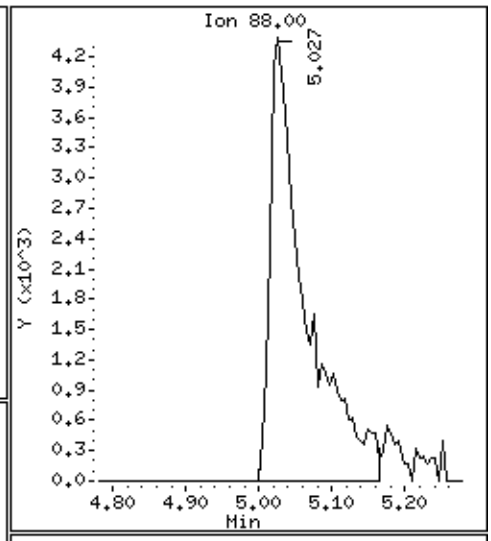
Column diameter: 0.18

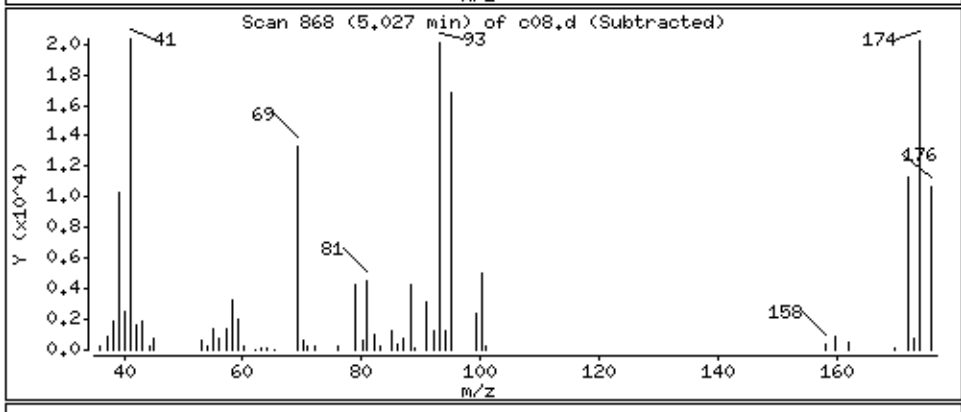
50 1,4-Dioxane

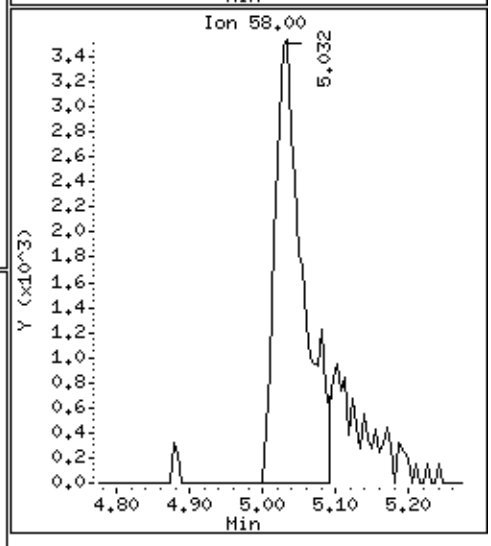
Concentration: 1130 ppb

Review Code:









Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

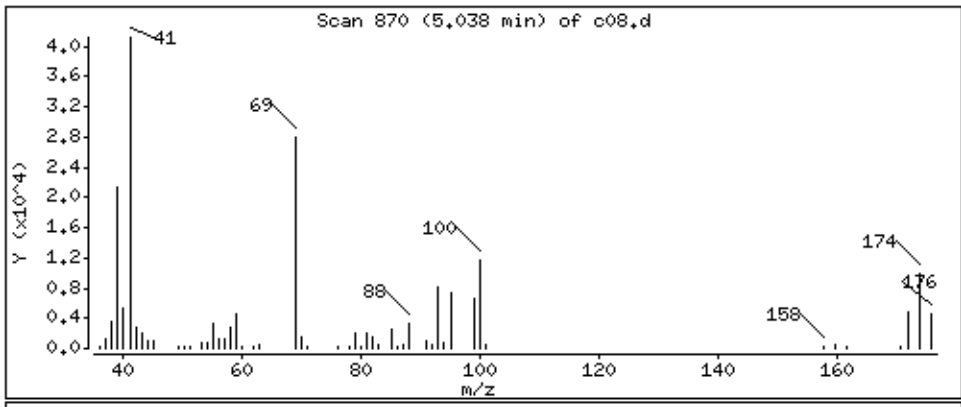
Column phase: DB-624

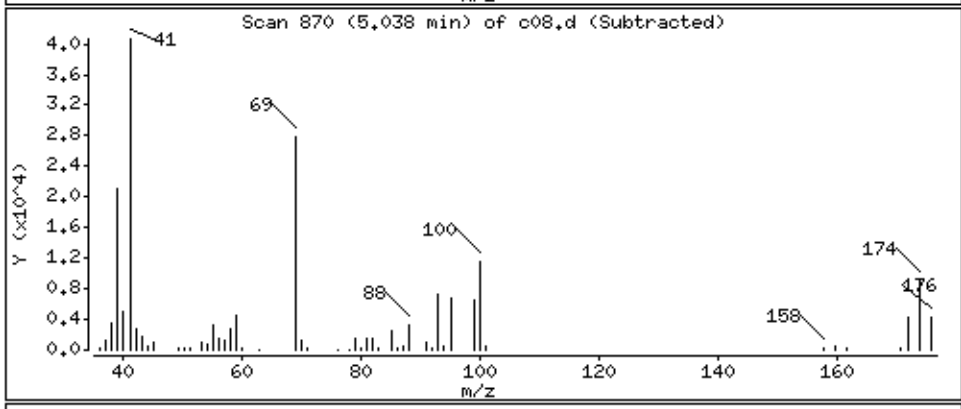
Column diameter: 0.18

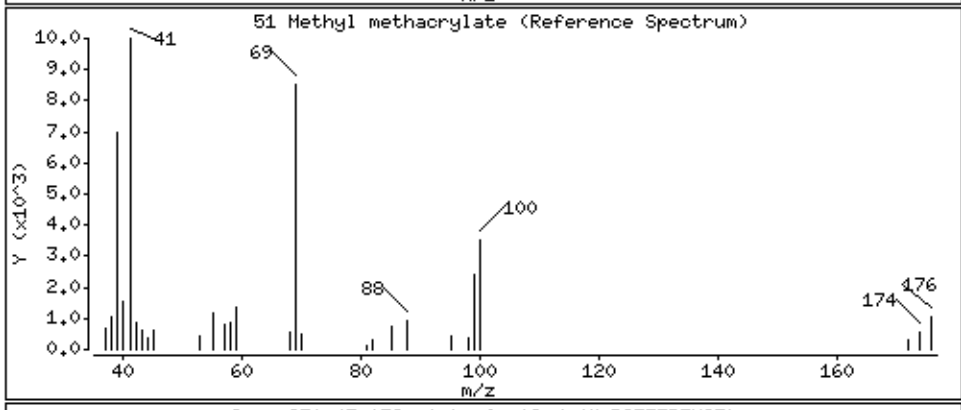
51 Methyl methacrylate

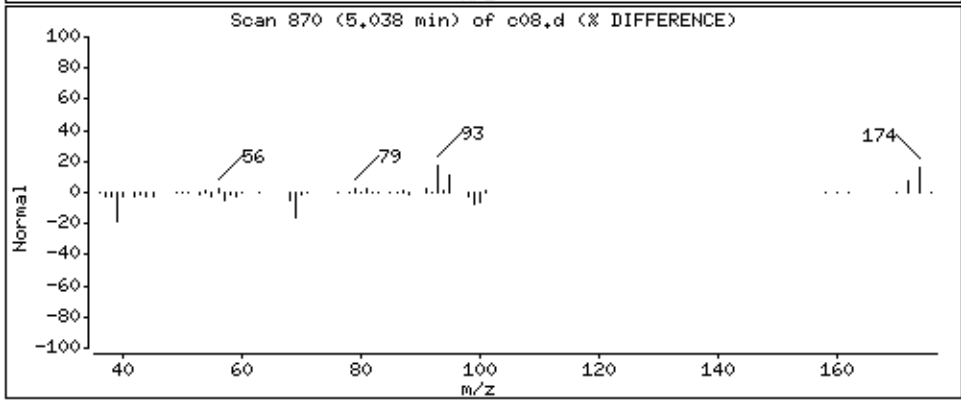
Concentration: 58.8 ppb

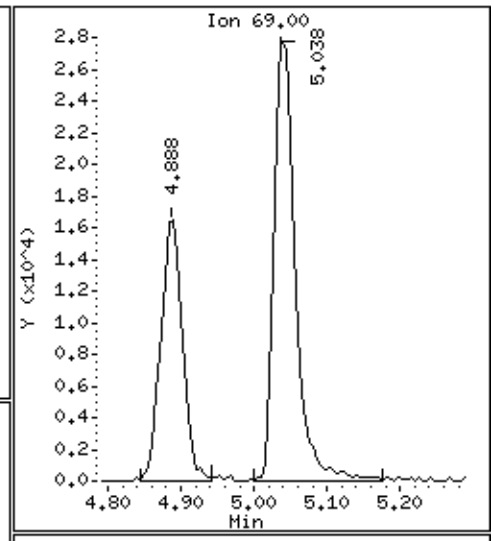
Review Code:

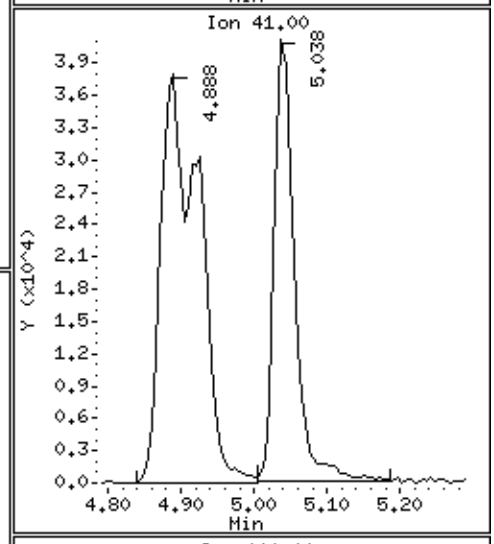


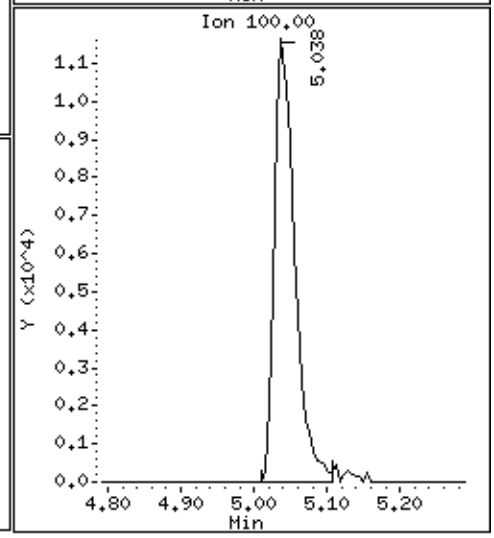












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

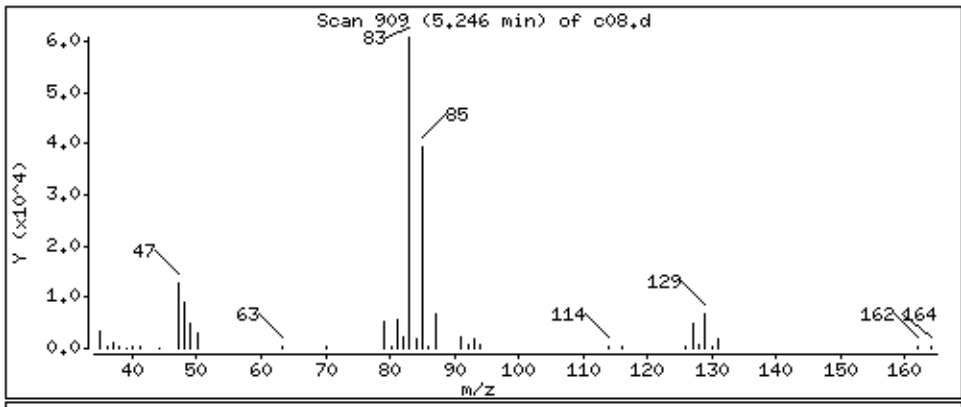
Column phase: DB-624

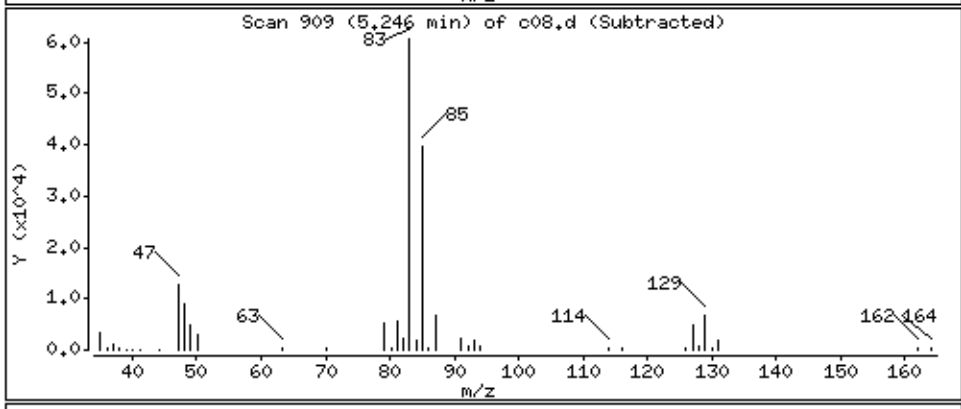
Column diameter: 0.18

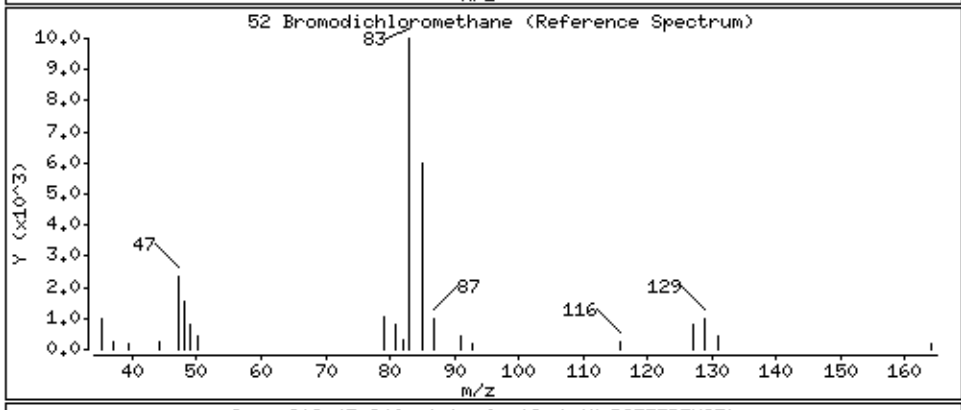
52 Bromodichloromethane

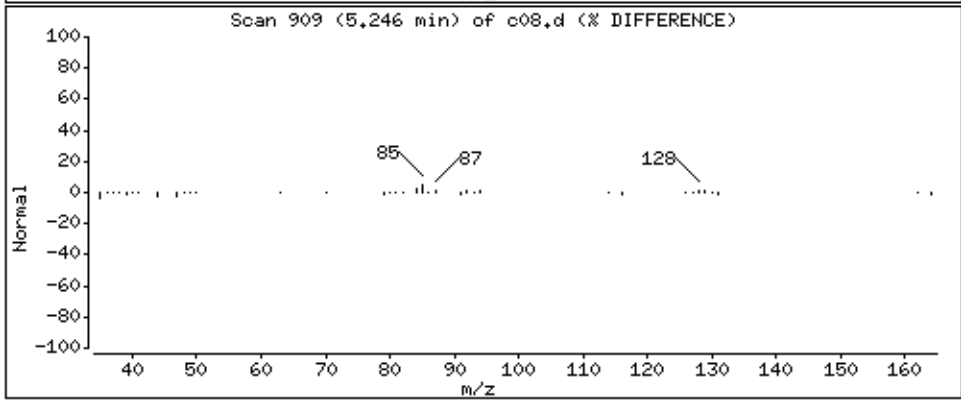
Concentration: 47.3 ppb

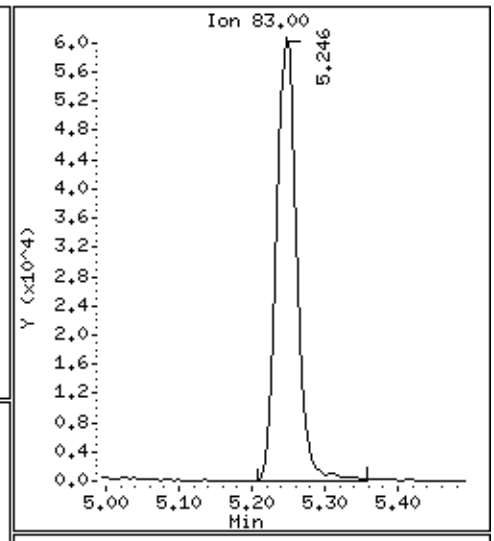
Review Code:

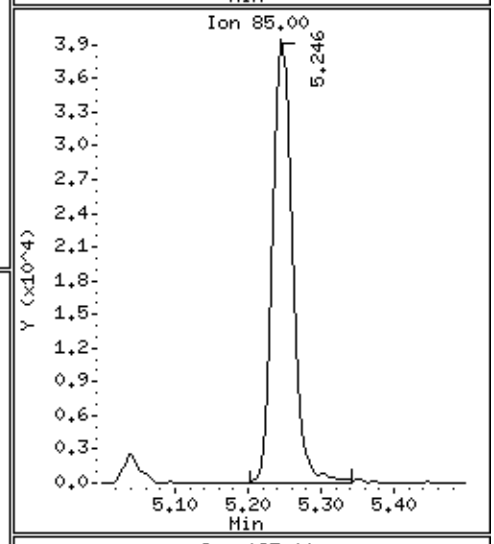


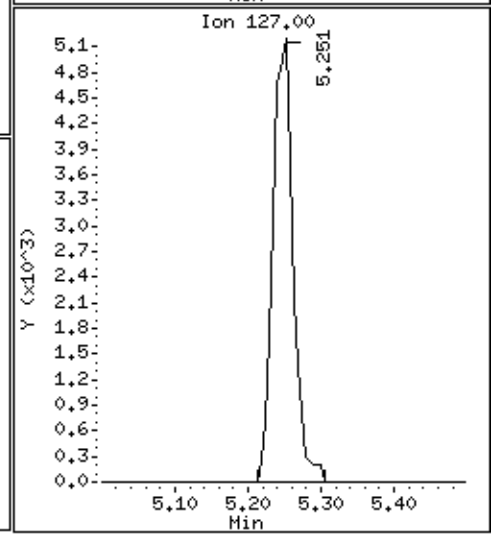












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

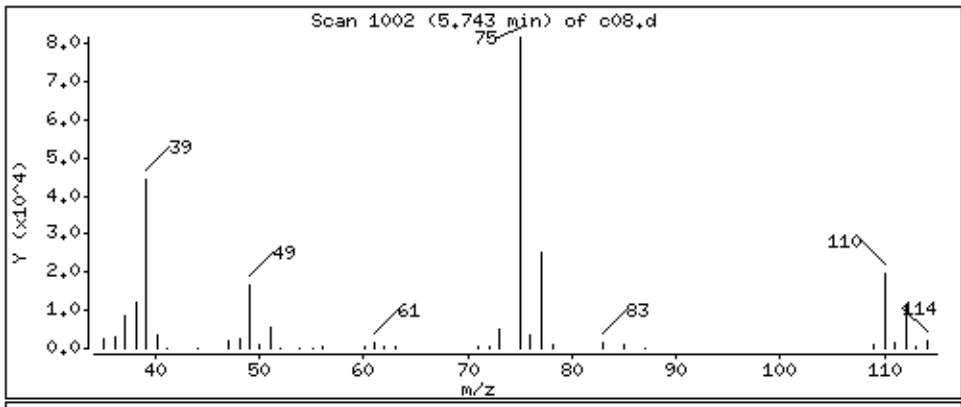
Column phase: DB-624

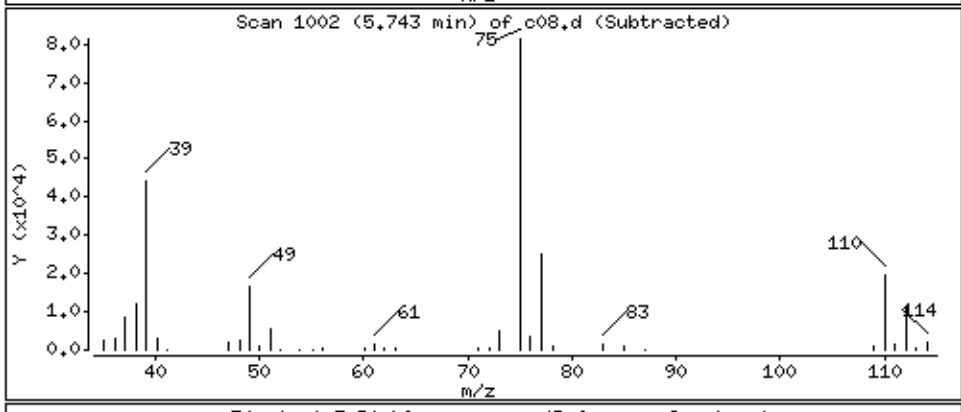
Column diameter: 0.18

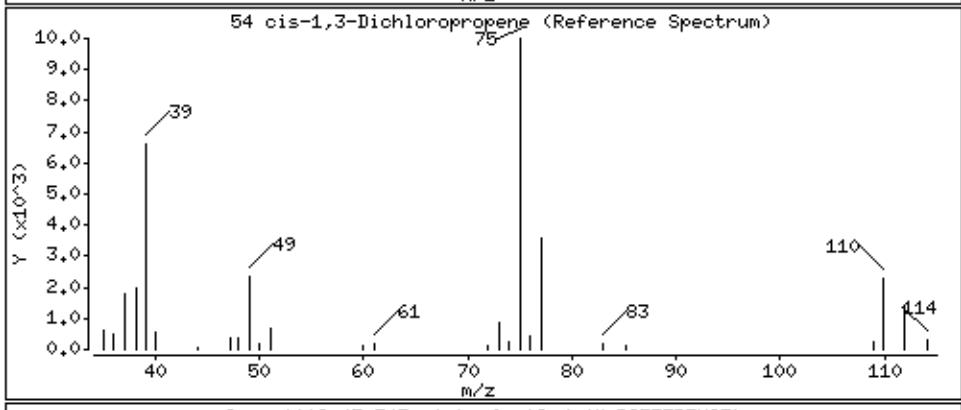
54 cis-1,3-Dichloropropene

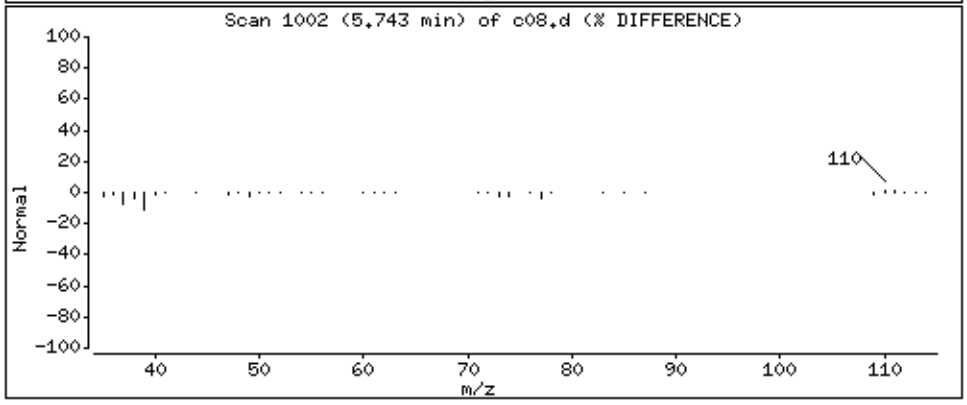
Concentration: 42.1 ppb

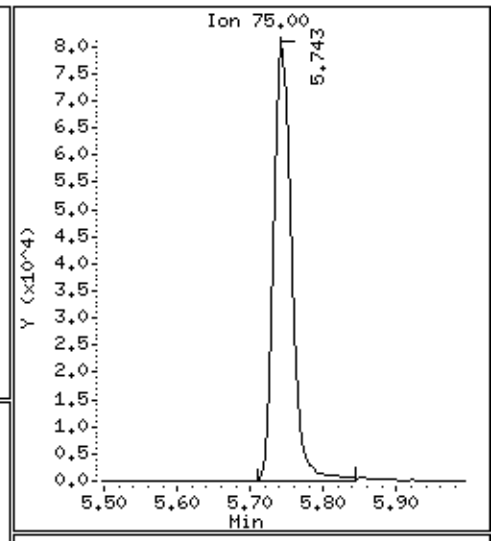
Review Code:

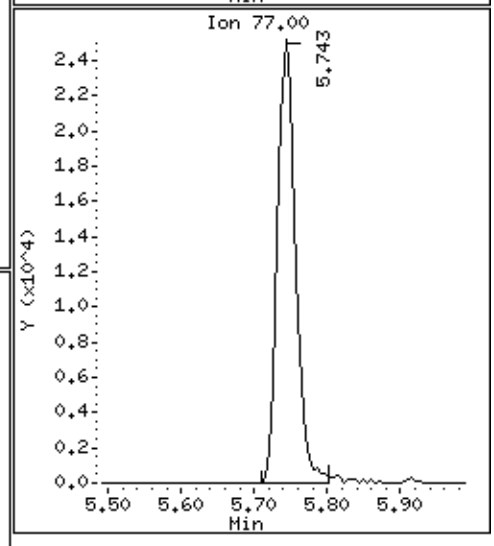












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

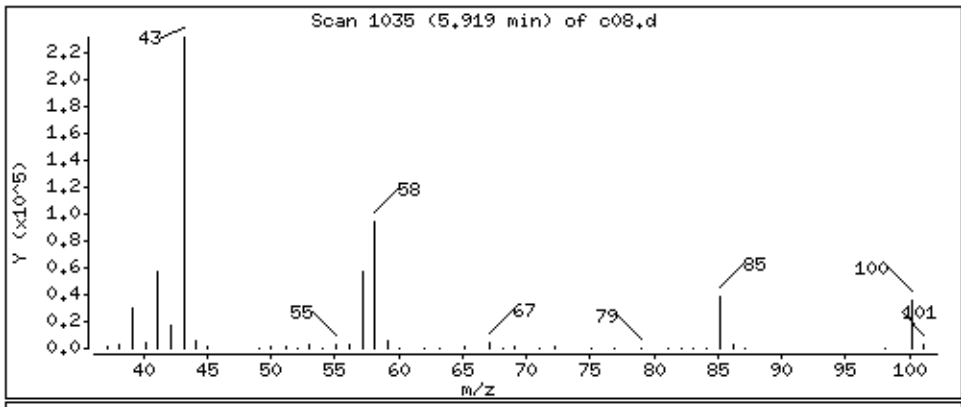
Column phase: DB-624

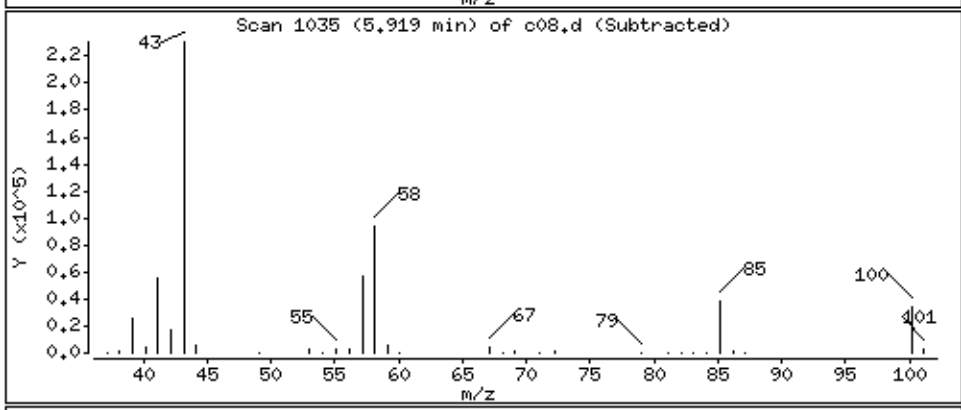
Column diameter: 0.18

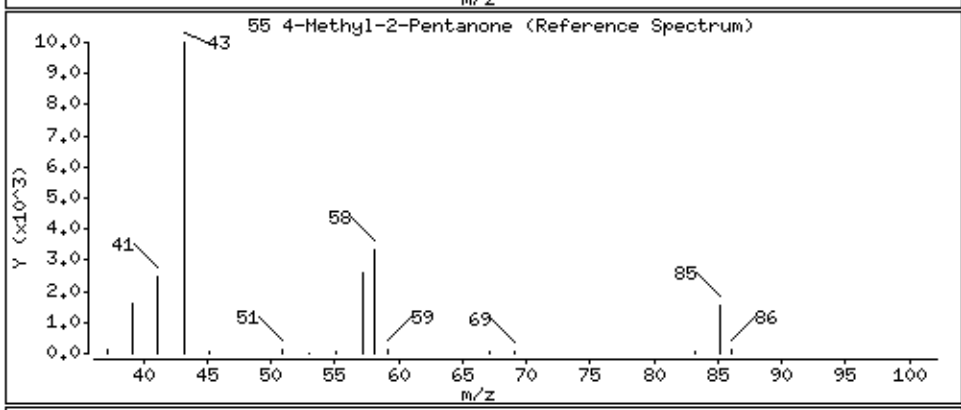
55 4-Methyl-2-Pentanone

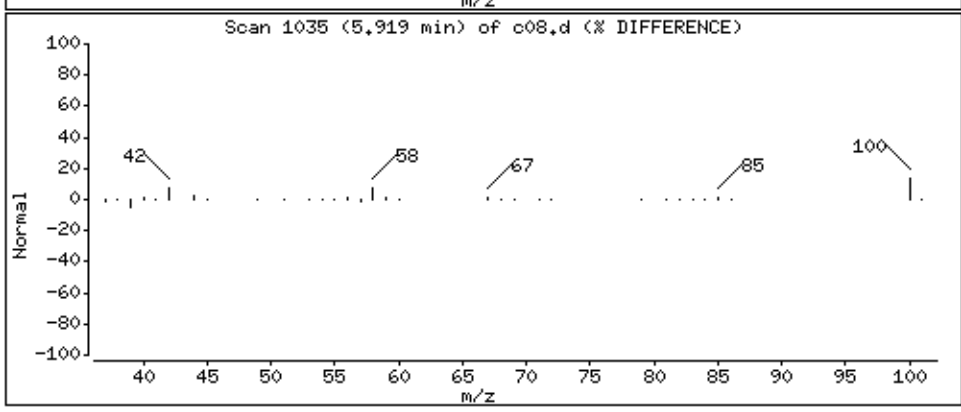
Concentration: 281 ppb

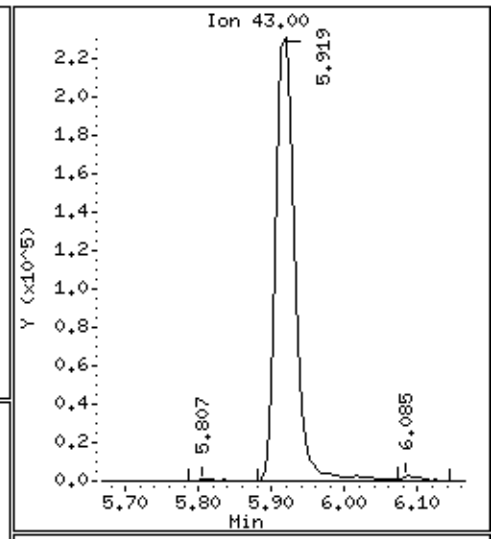
Review Code:

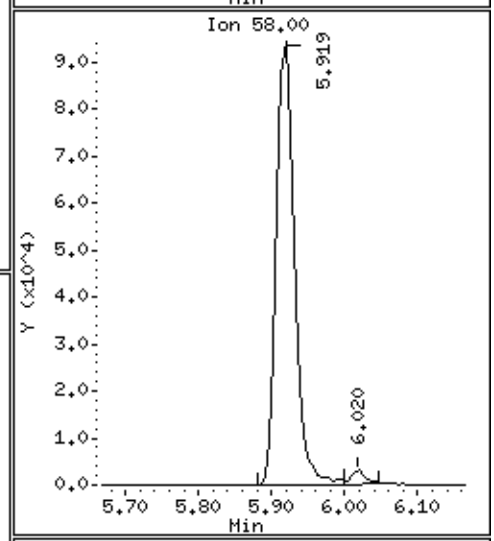


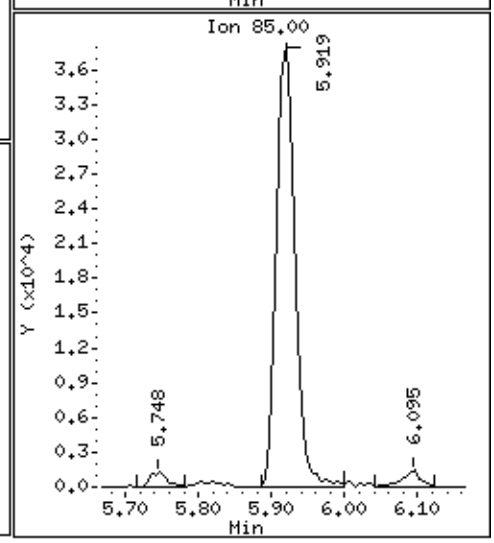












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

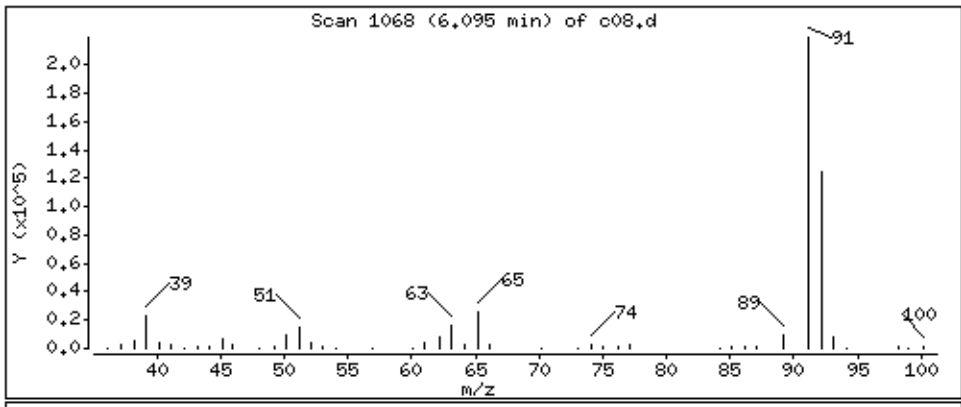
Column phase: DB-624

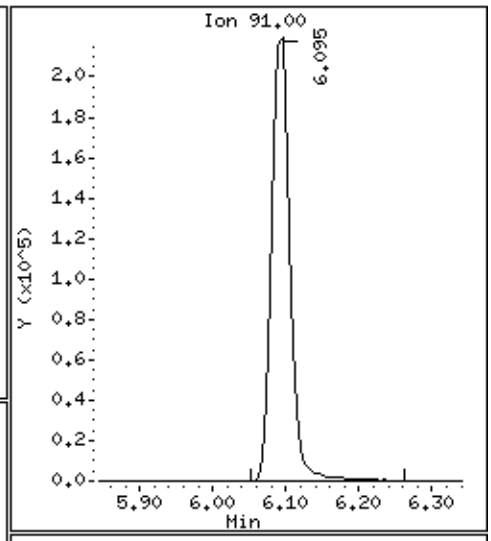
Column diameter: 0.18

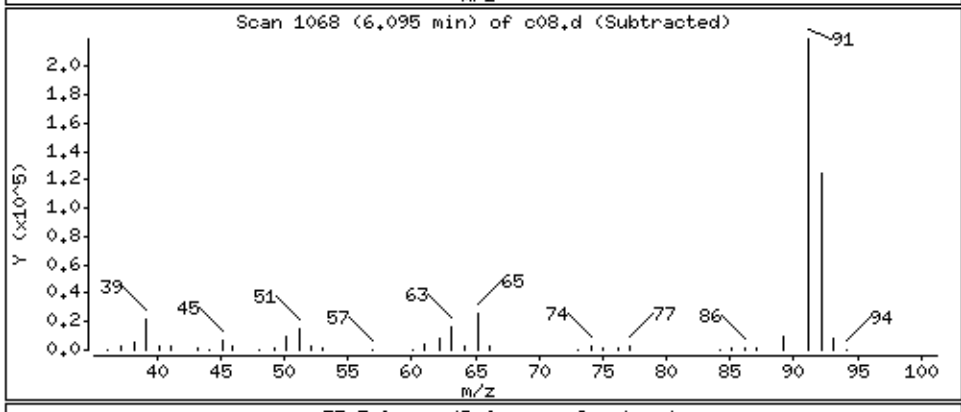
57 Toluene

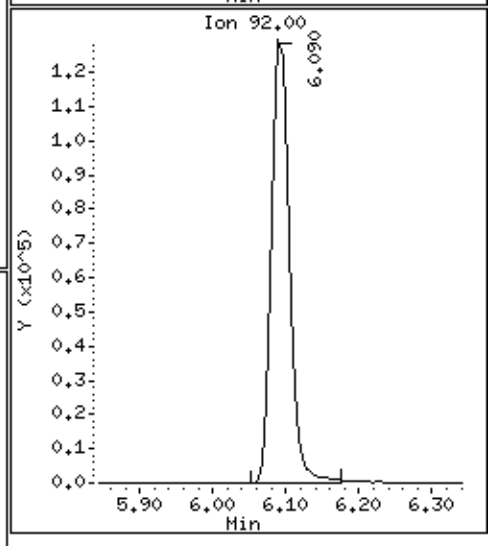
Concentration: 35.6 ppb

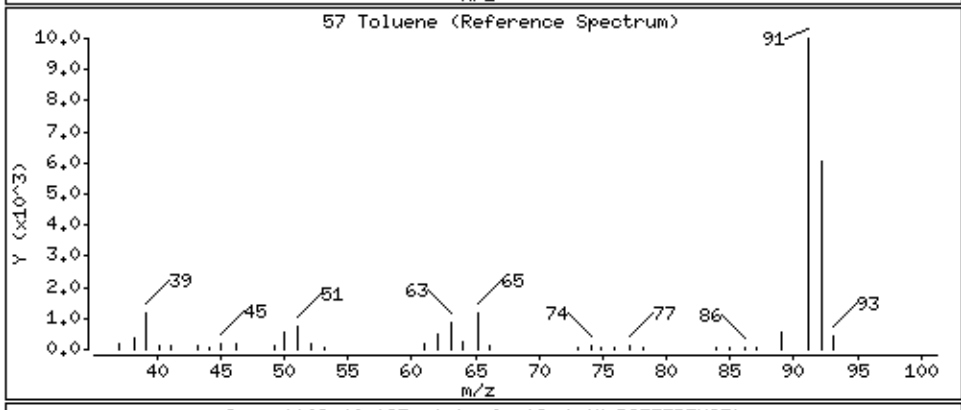
Review Code:

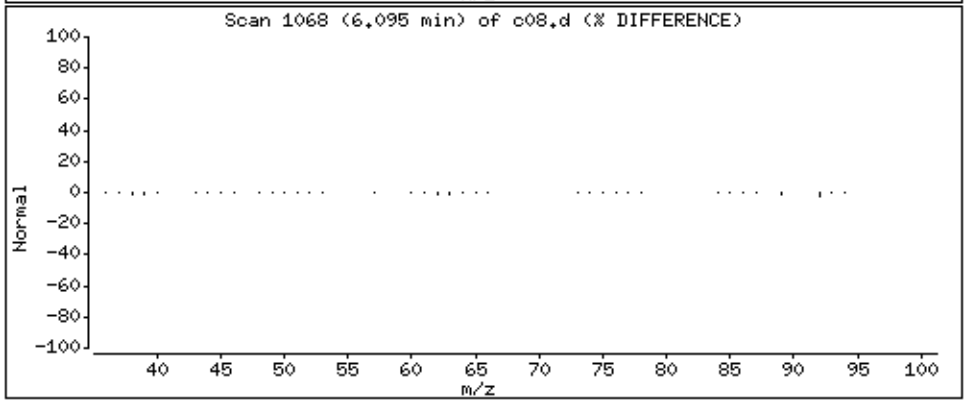












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

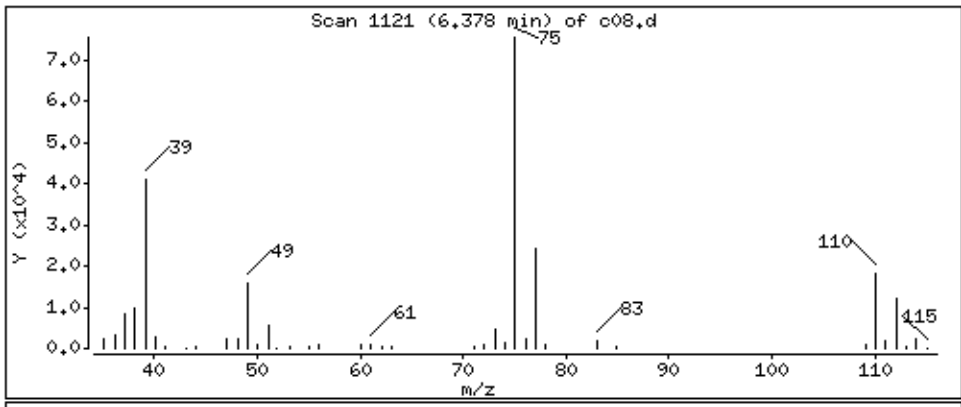
Column phase: DB-624

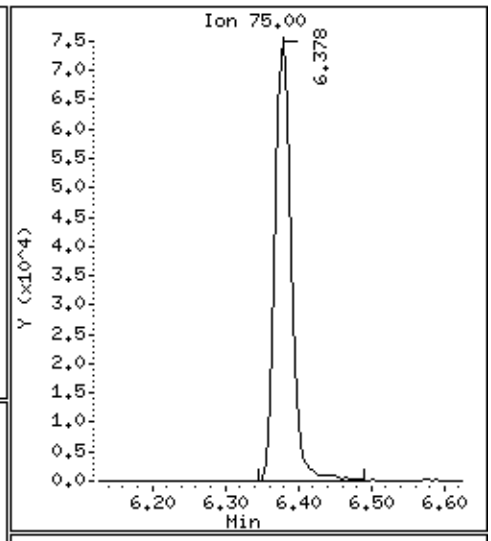
Column diameter: 0.18

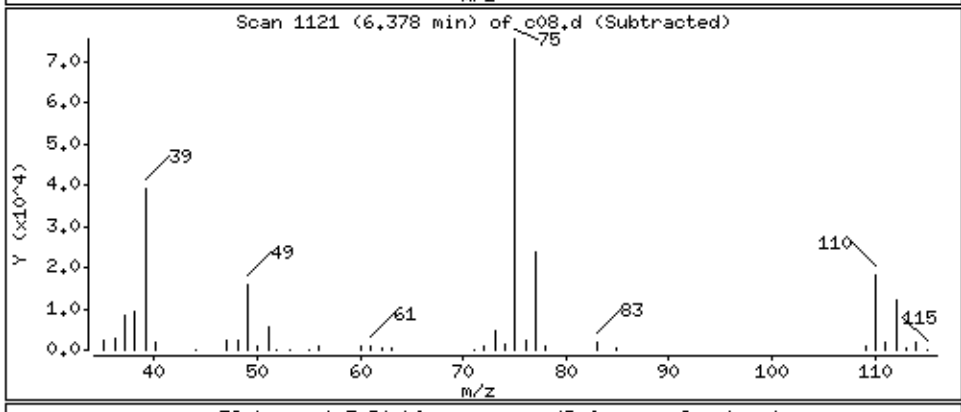
58 trans-1,3-Dichloropropene

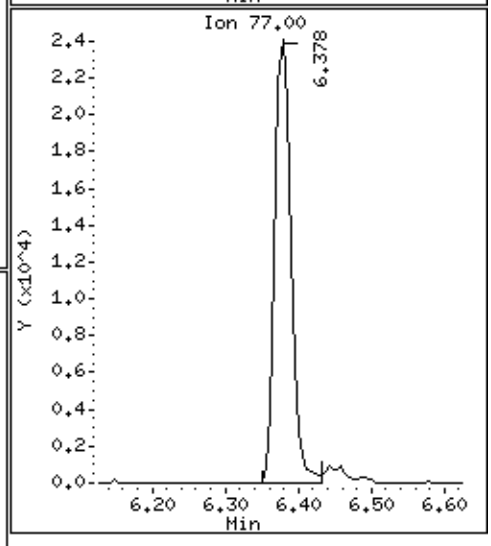
Concentration: 43.9 ppb

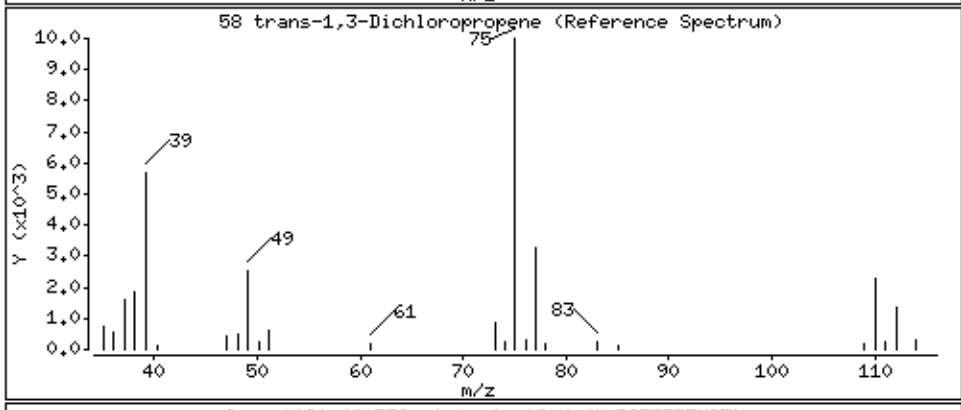
Review Code:

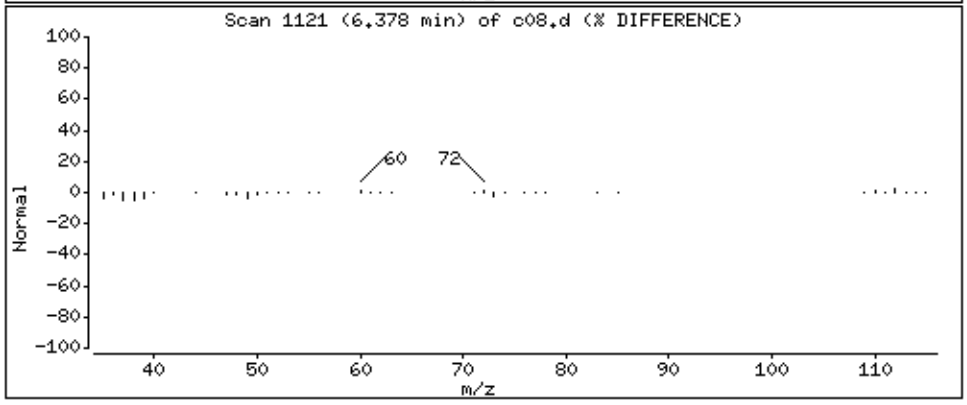












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

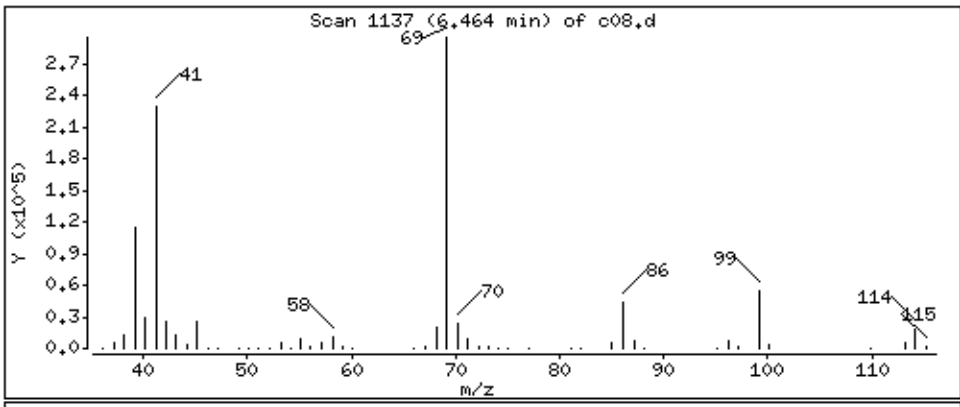
Column phase: DB-624

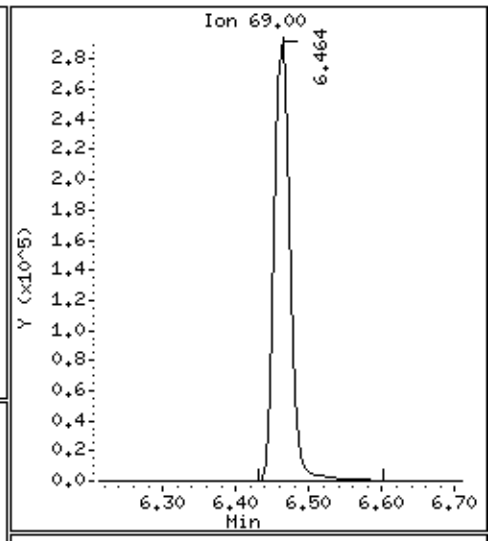
Column diameter: 0.18

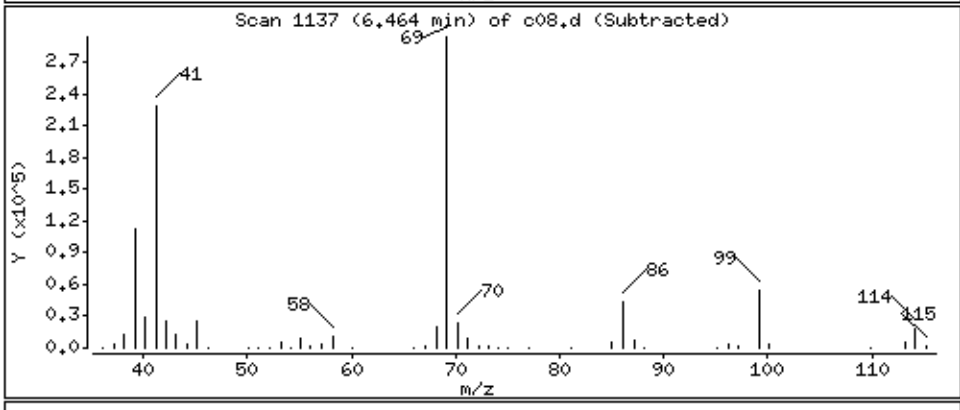
59 Ethyl Methacrylate

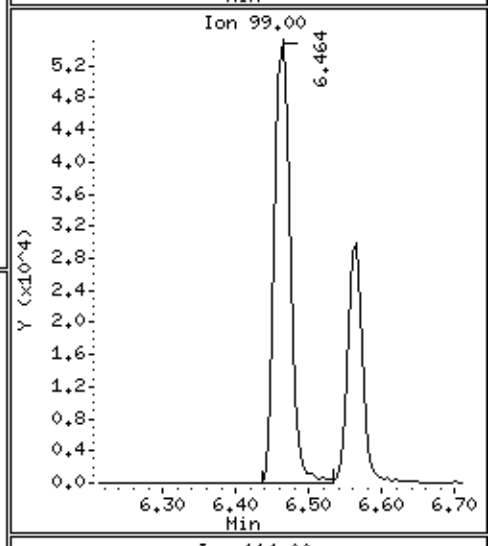
Concentration: 222 ppb

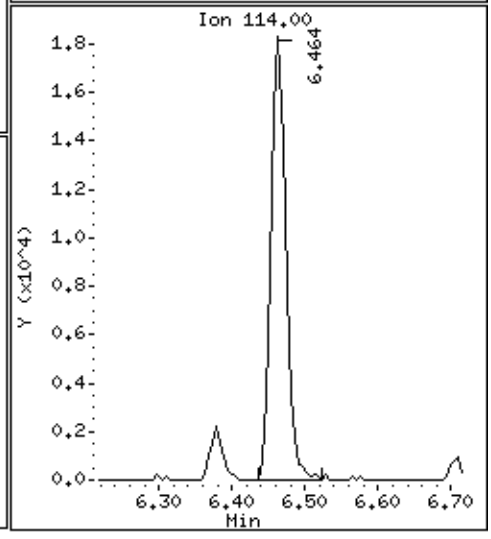
Review Code:











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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

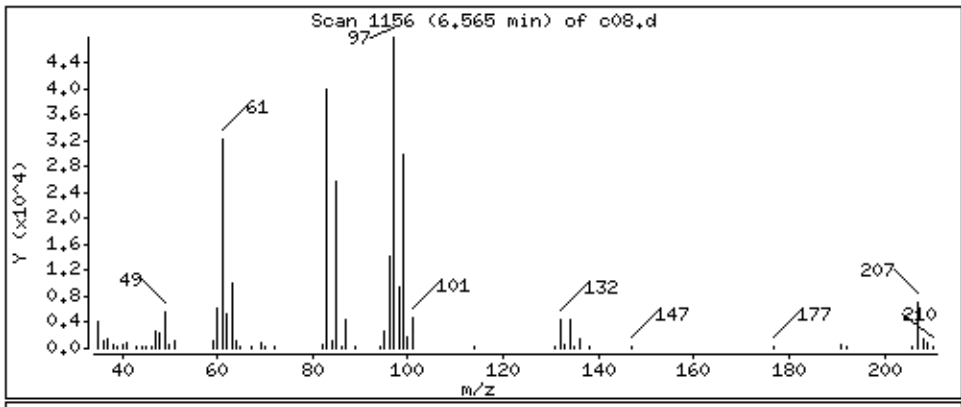
Column phase: DB-624

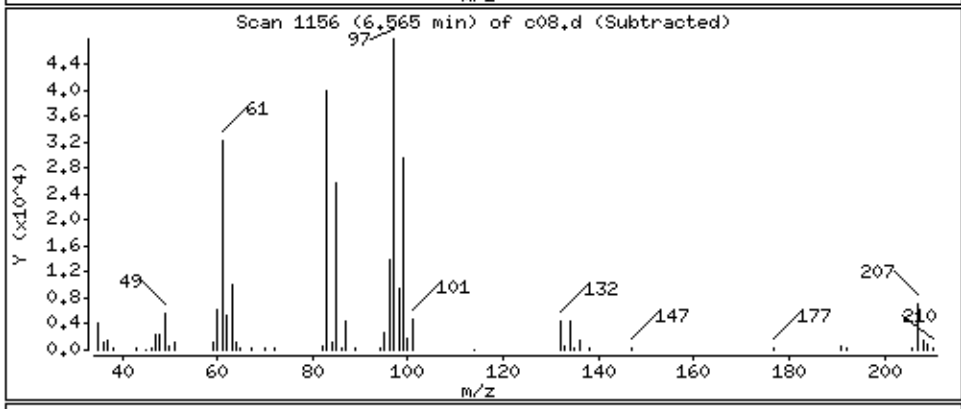
Column diameter: 0.18

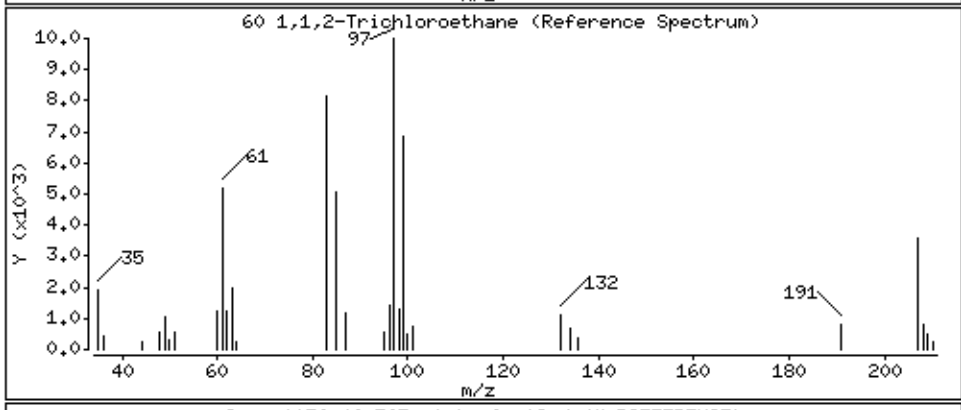
60 1,1,2-Trichloroethane

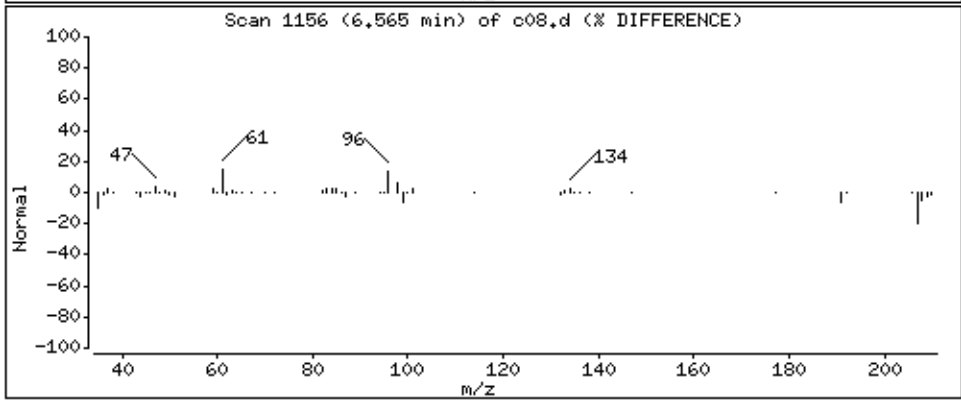
Concentration: 48.3 ppb

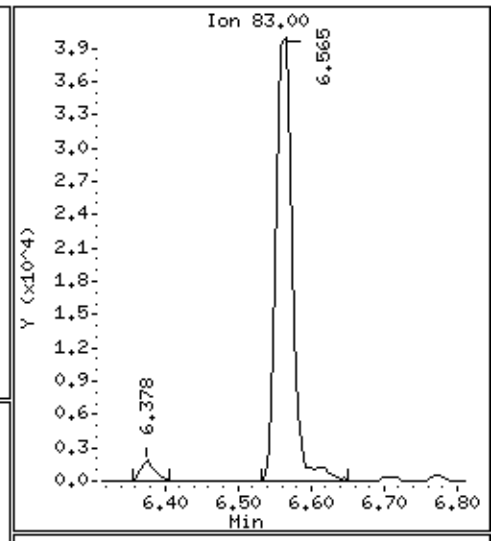
Review Code:

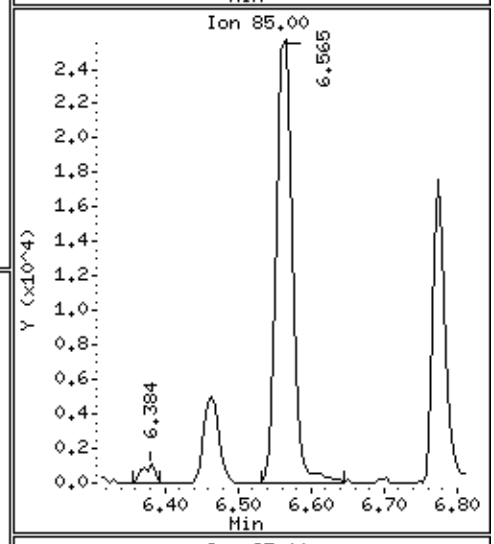


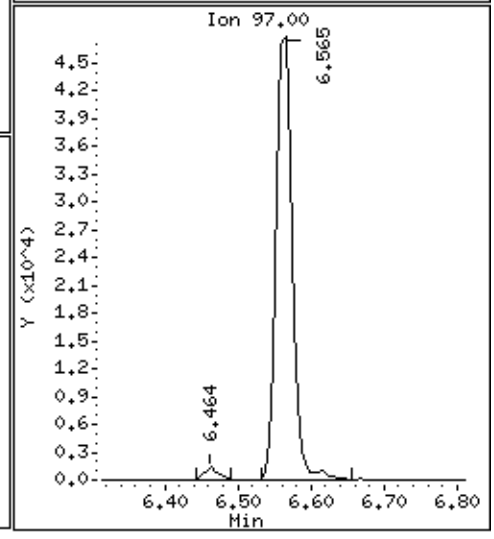












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

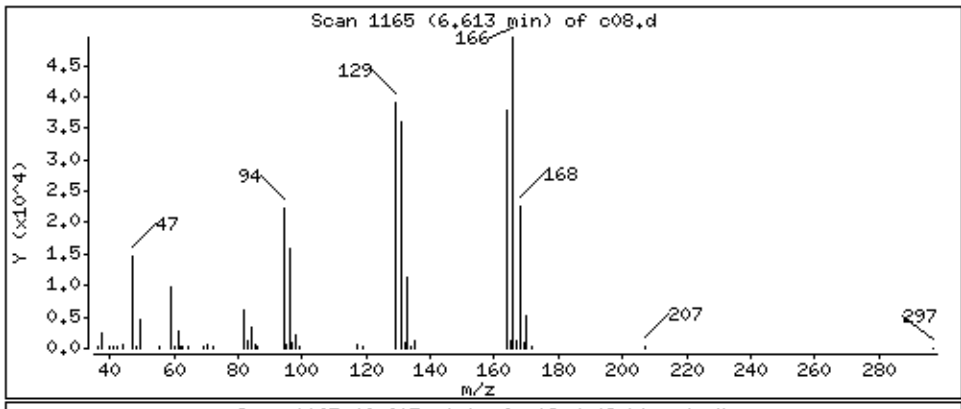
Column phase: DB-624

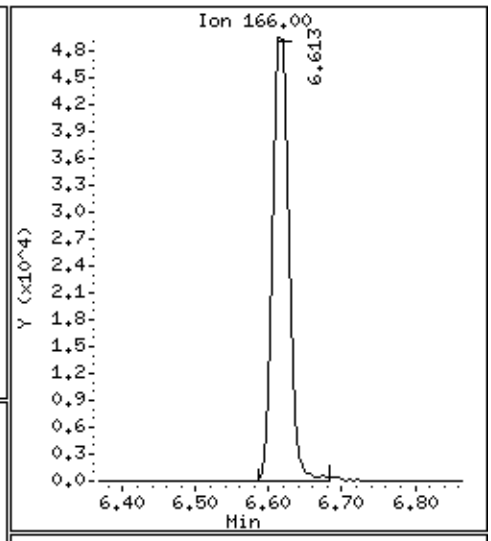
Column diameter: 0.18

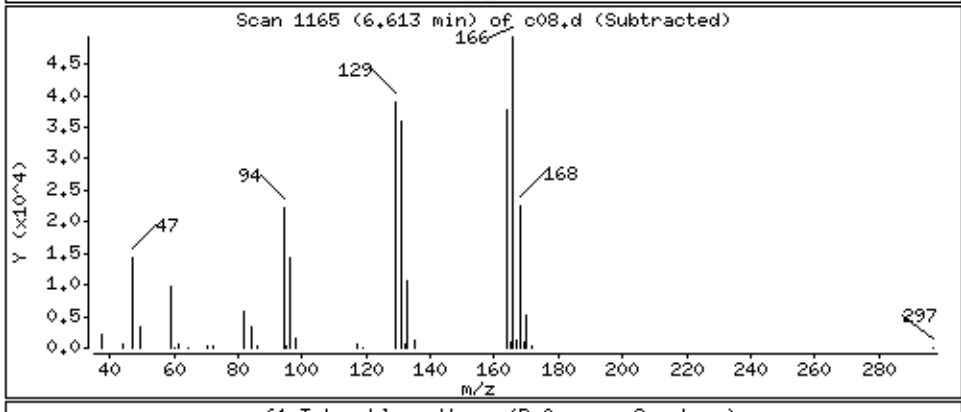
61 Tetrachloroethene

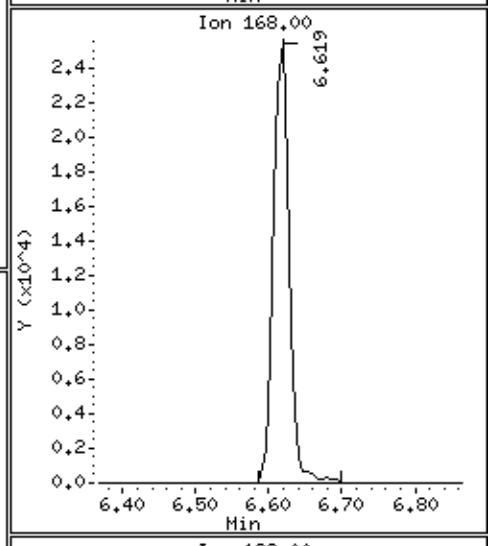
Concentration: 31.2 ppb

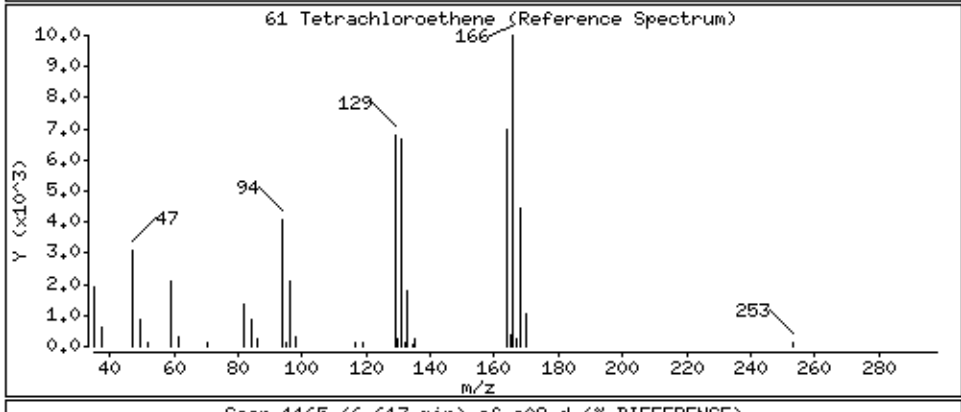
Review Code:

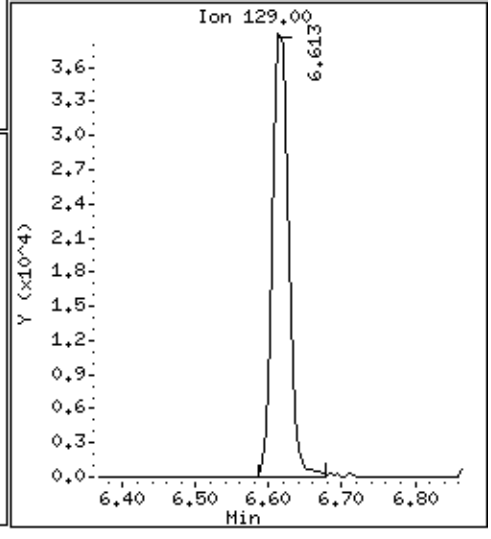


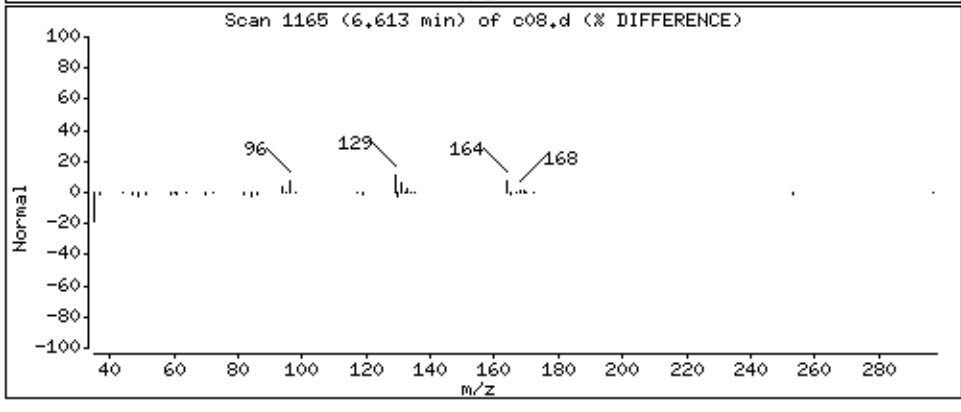












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

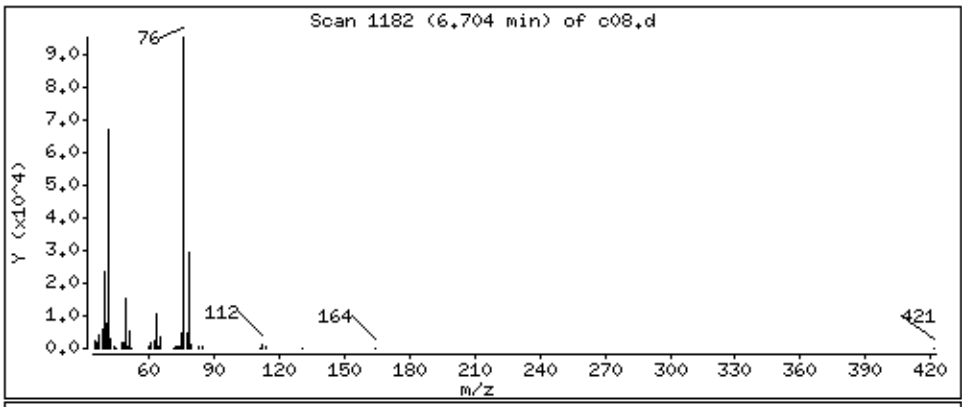
Column phase: DB-624

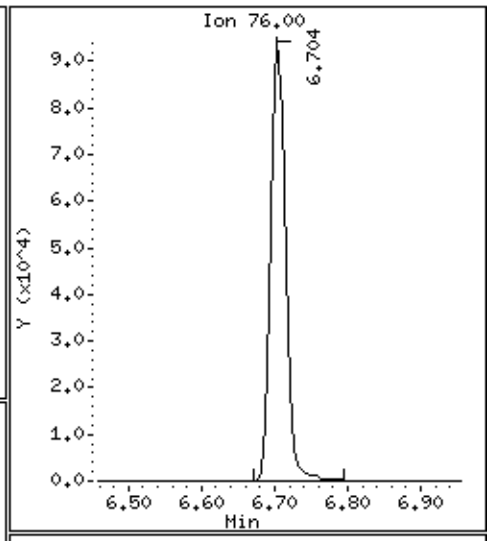
Column diameter: 0.18

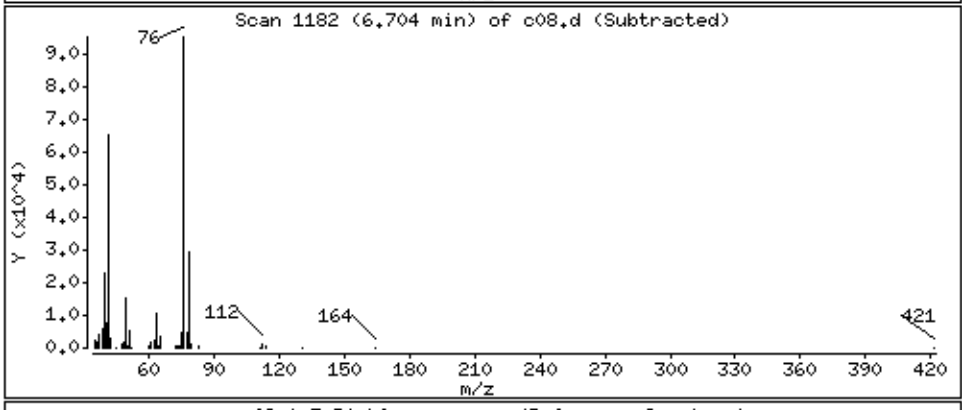
62 1,3-Dichloropropane

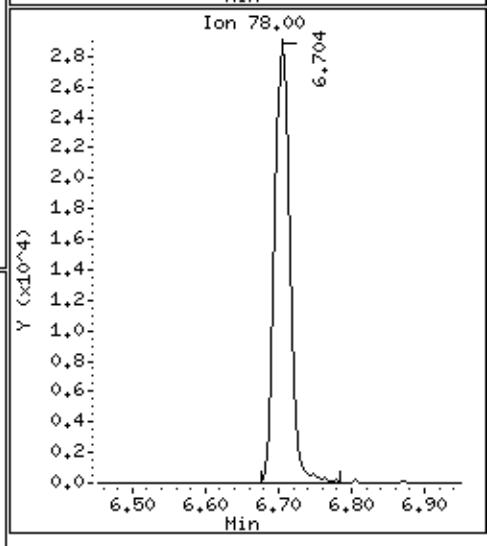
Concentration: 48.9 ppb

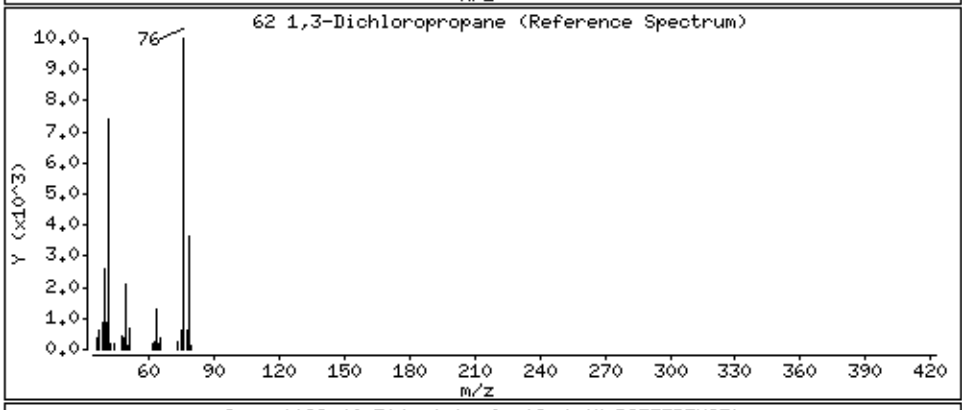
Review Code:

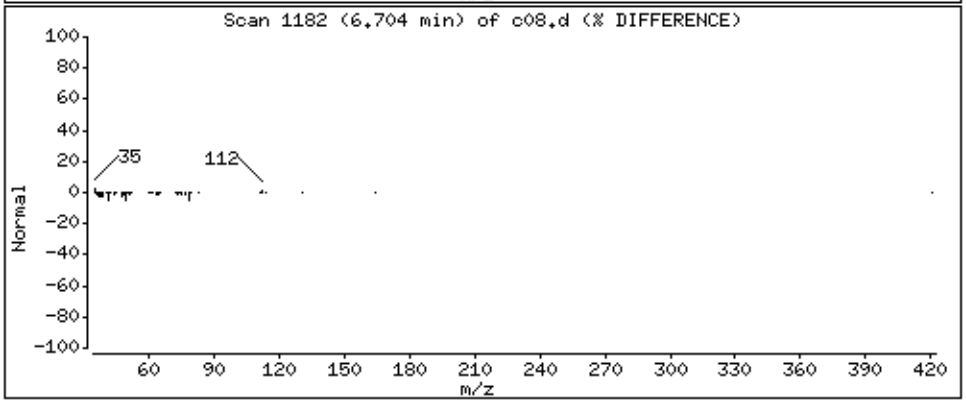












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

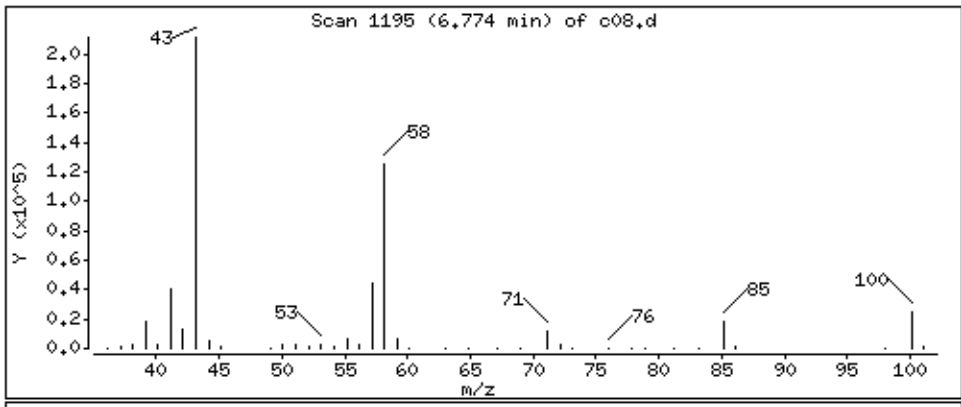
Column phase: DB-624

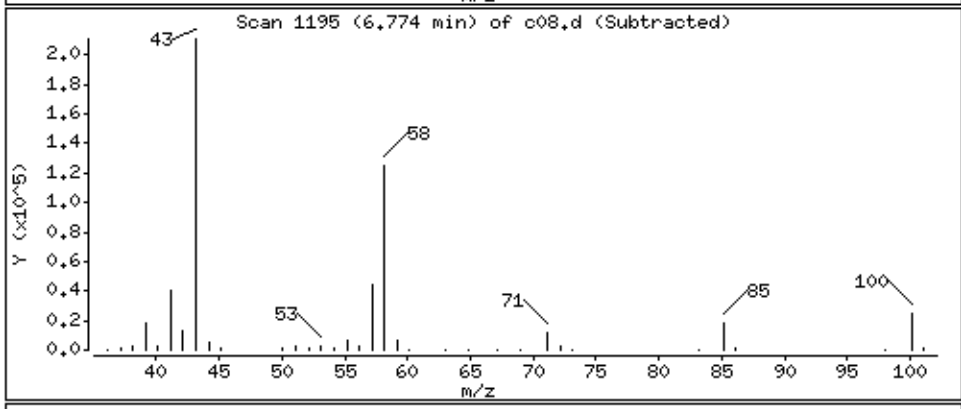
Column diameter: 0.18

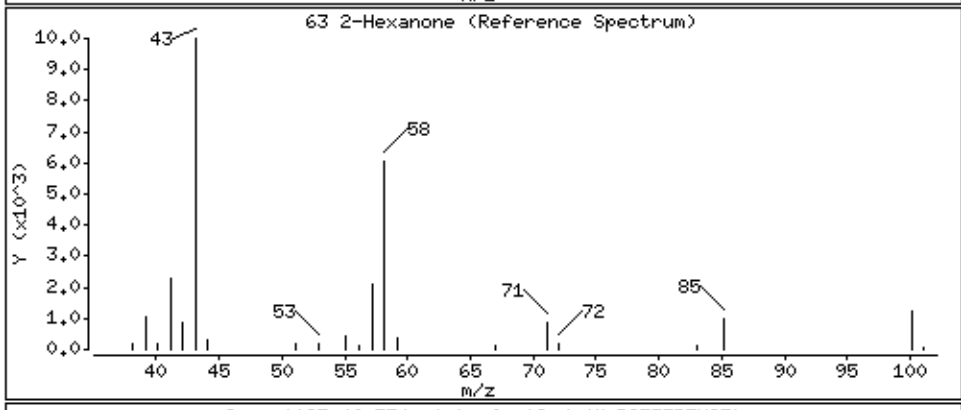
63 2-Hexanone

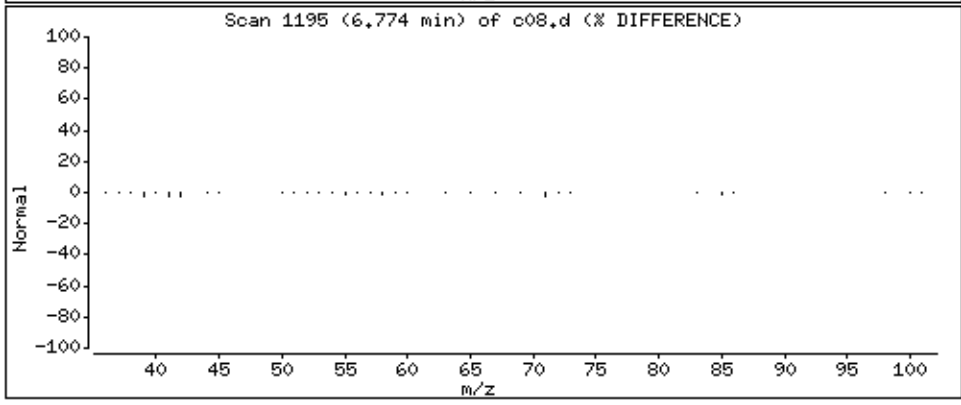
Concentration: 301 ppb

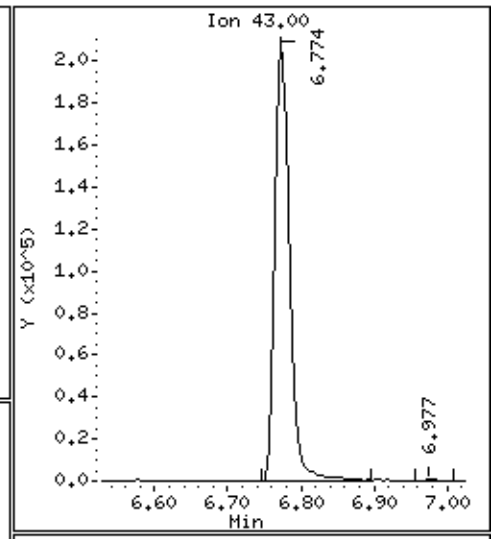
Review Code:

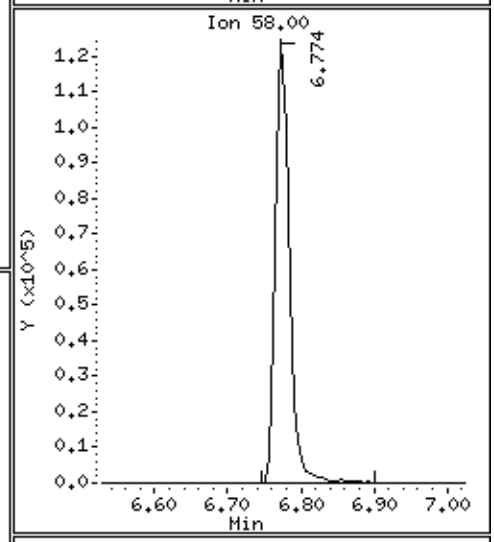


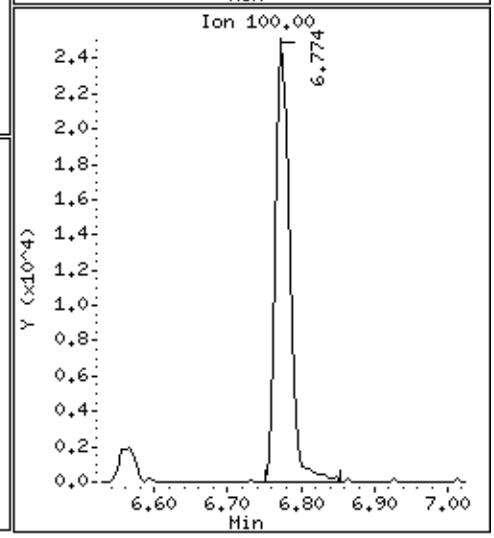












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

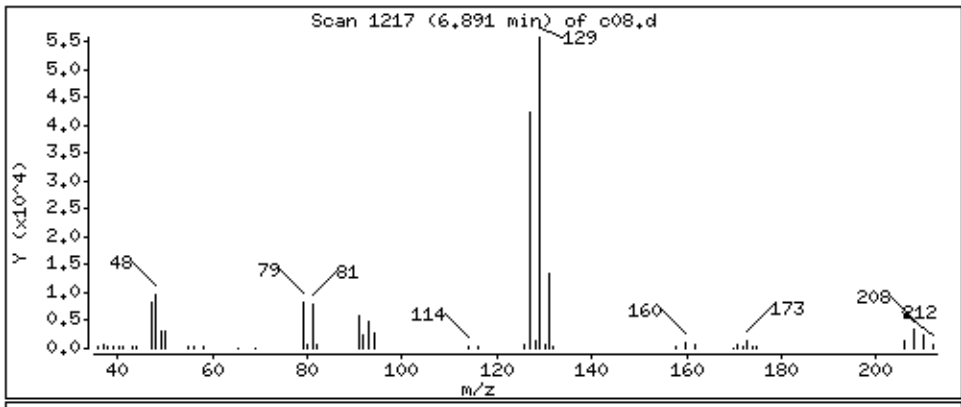
Column phase: DB-624

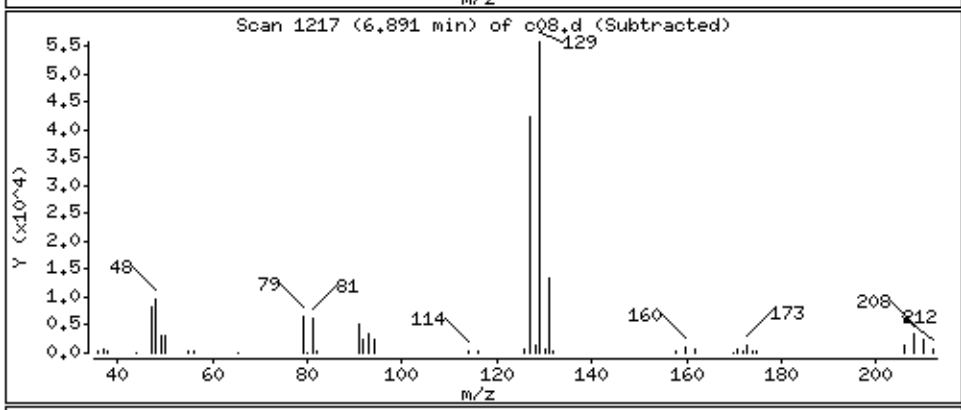
Column diameter: 0.18

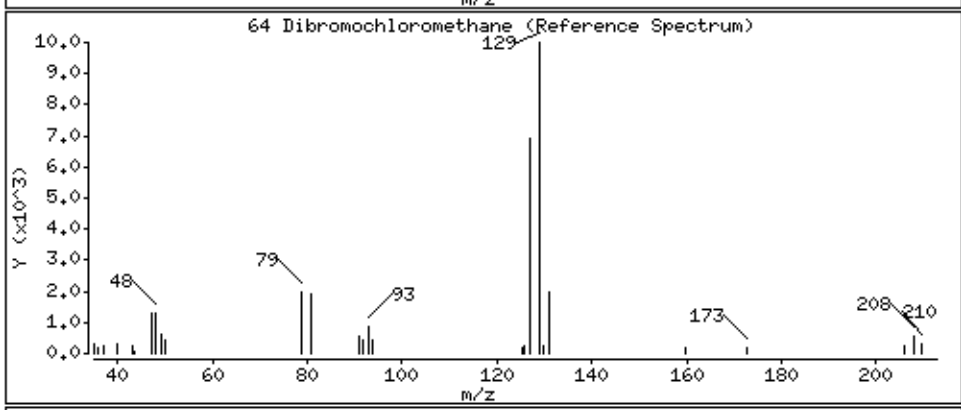
64 Dibromochloromethane

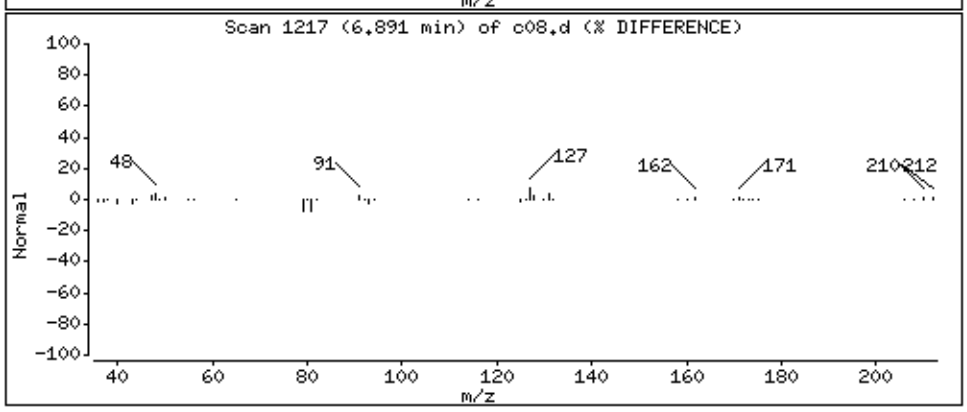
Concentration: 45.2 ppb

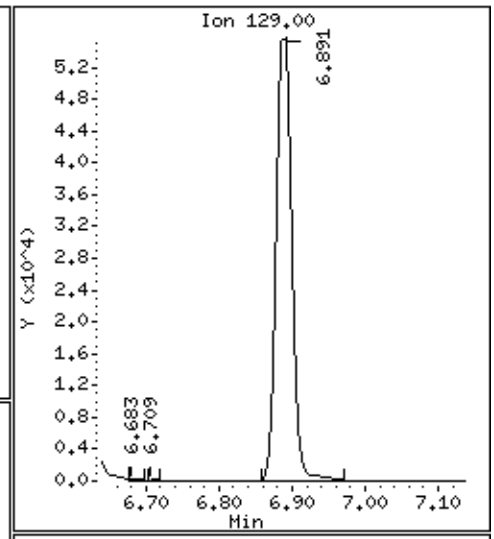
Review Code:

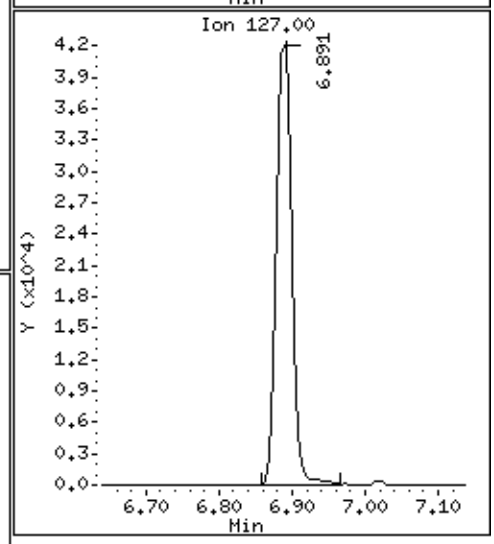












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

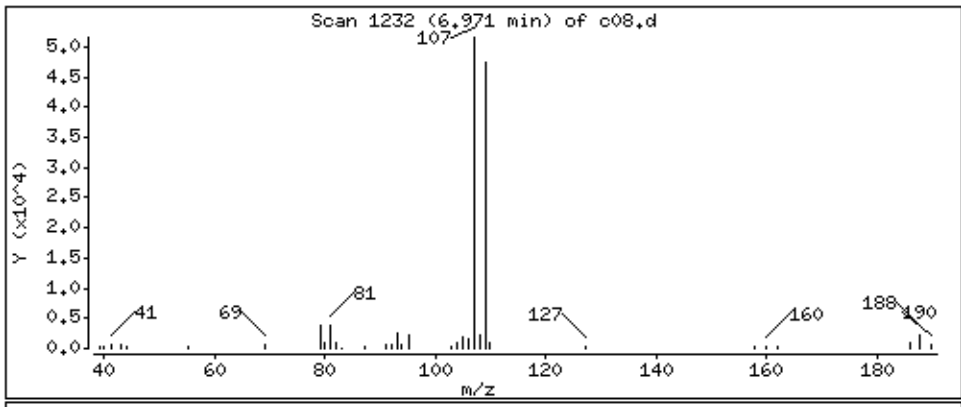
Column phase: DB-624

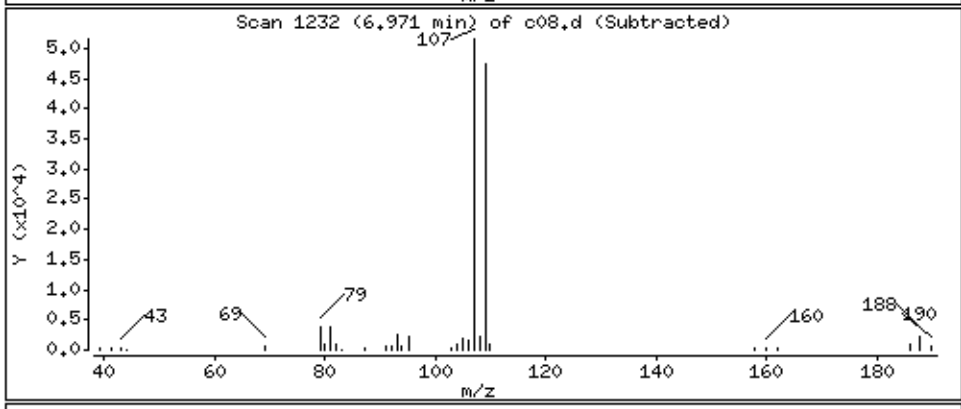
Column diameter: 0.18

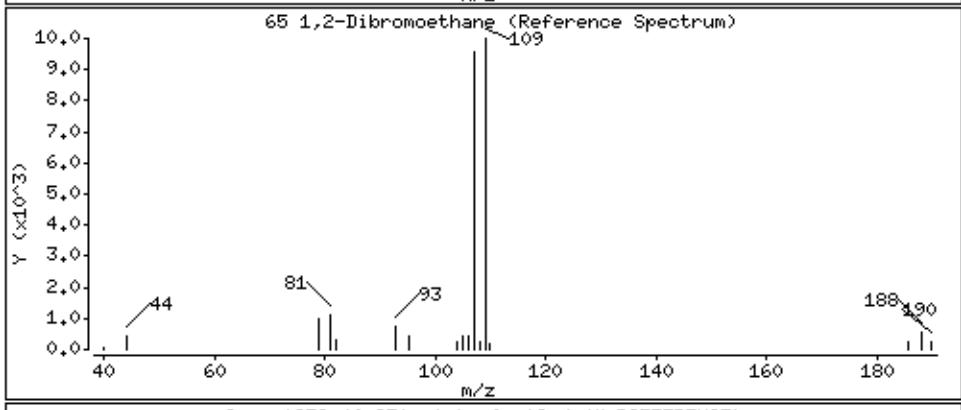
65 1,2-Dibromoethane

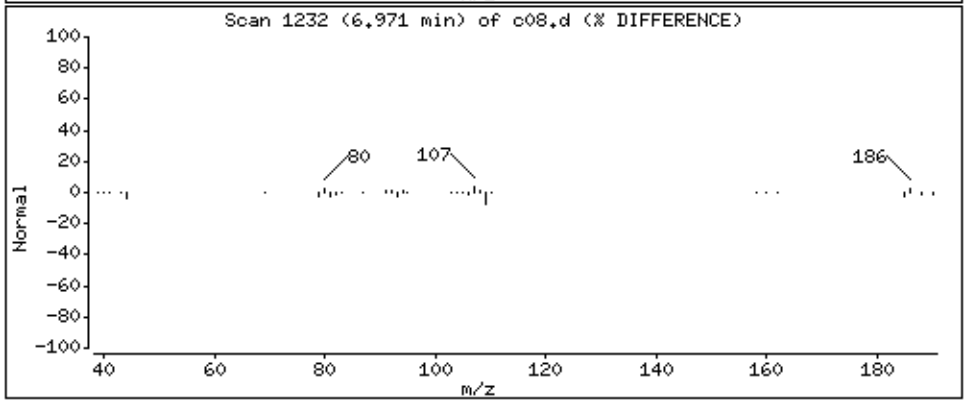
Concentration: 49.6 ppb

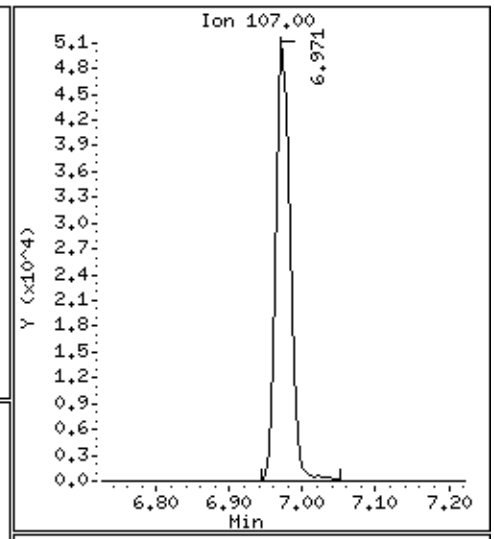
Review Code:

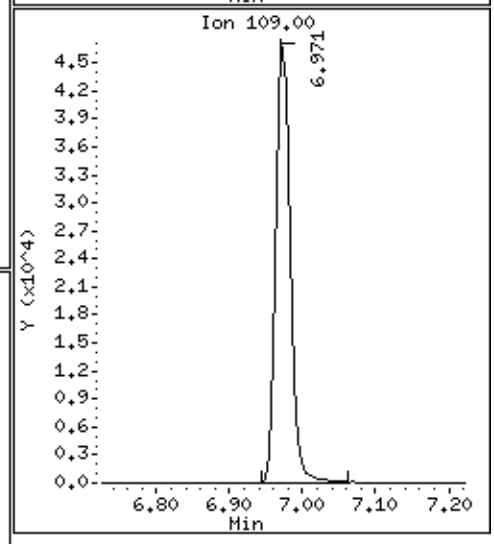












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

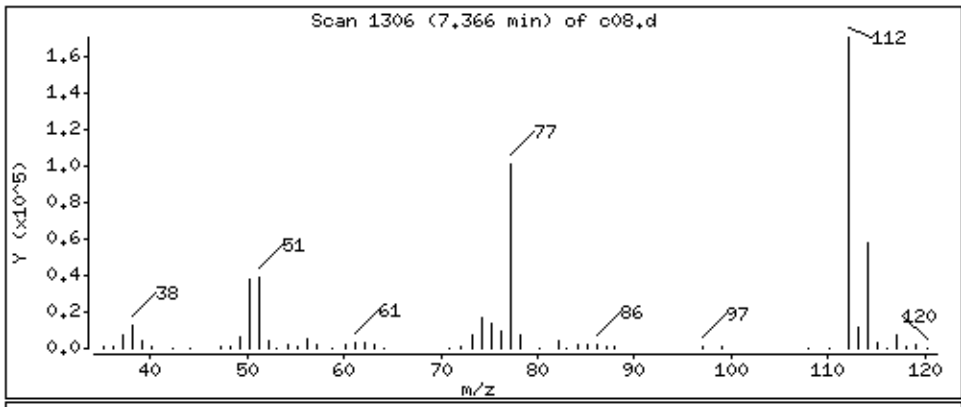
Column phase: DB-624

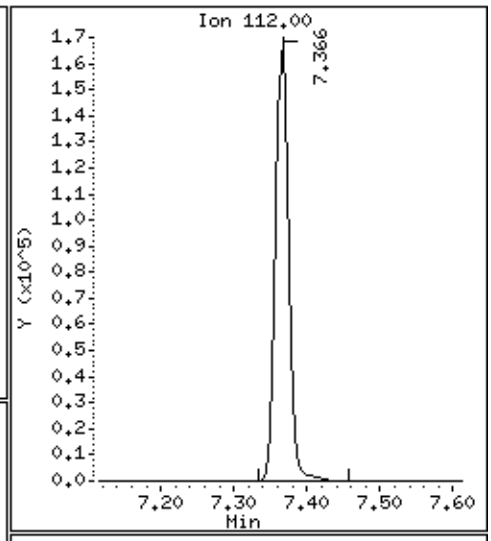
Column diameter: 0.18

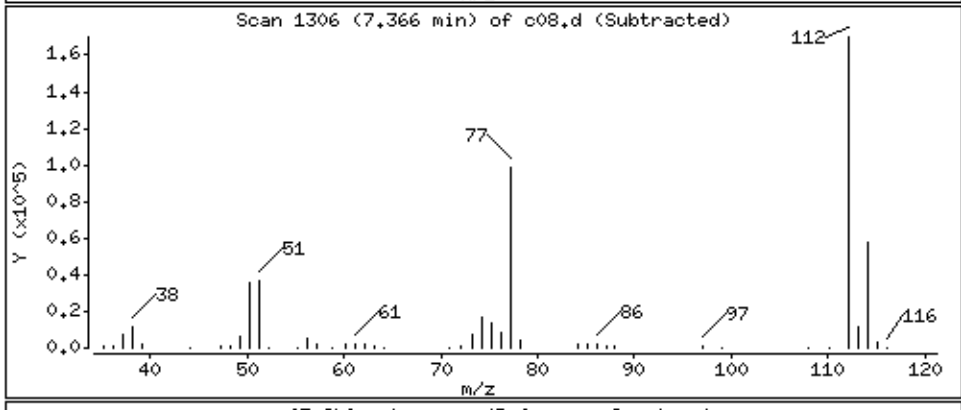
67 Chlorobenzene

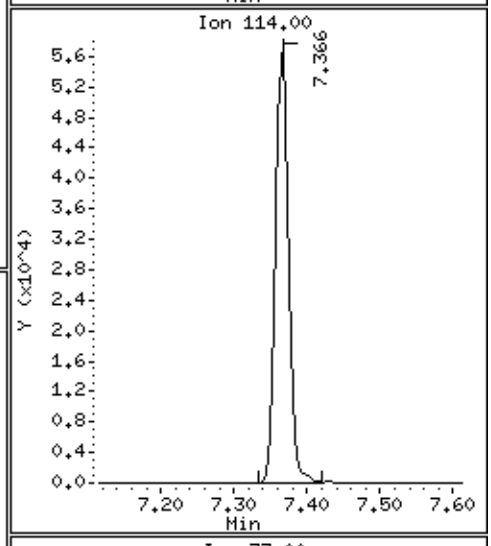
Concentration: 34.3 ppb

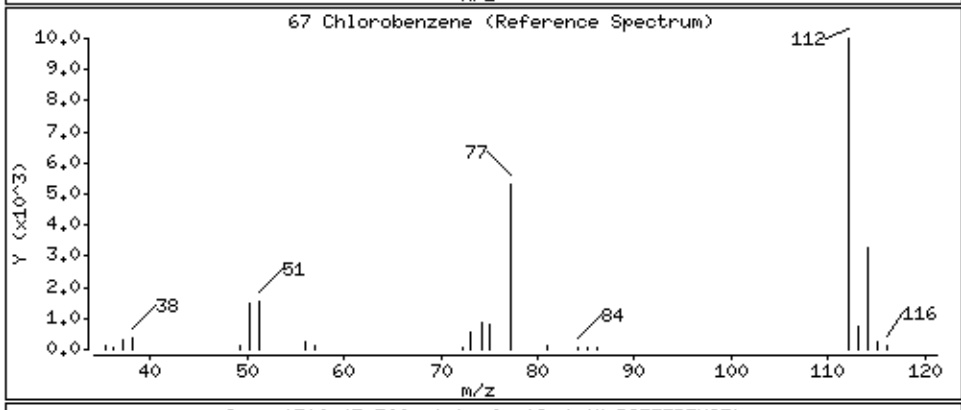
Review Code:

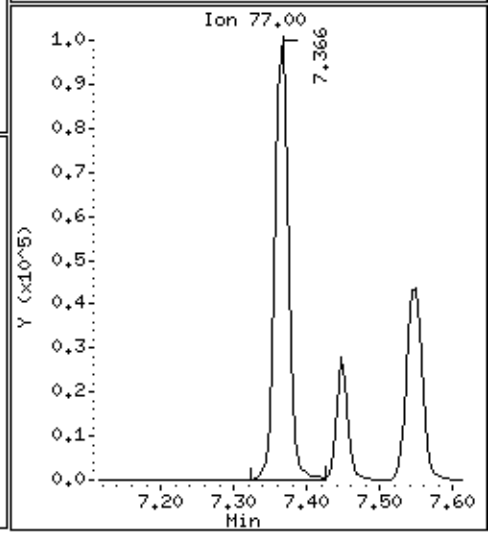


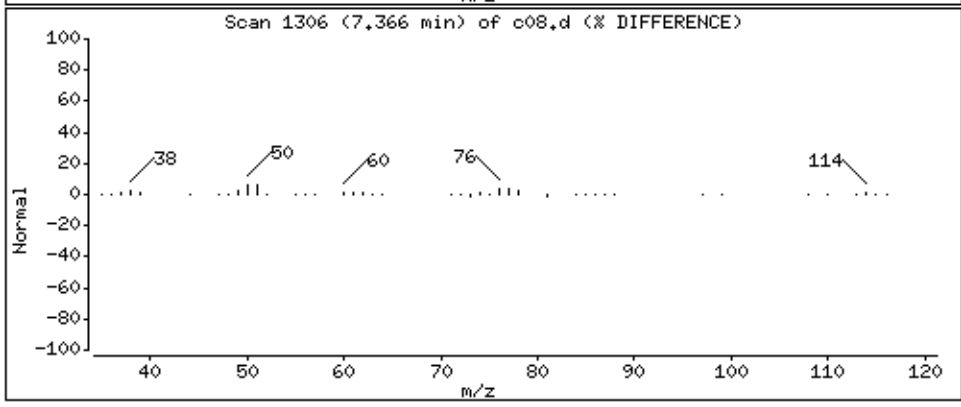












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

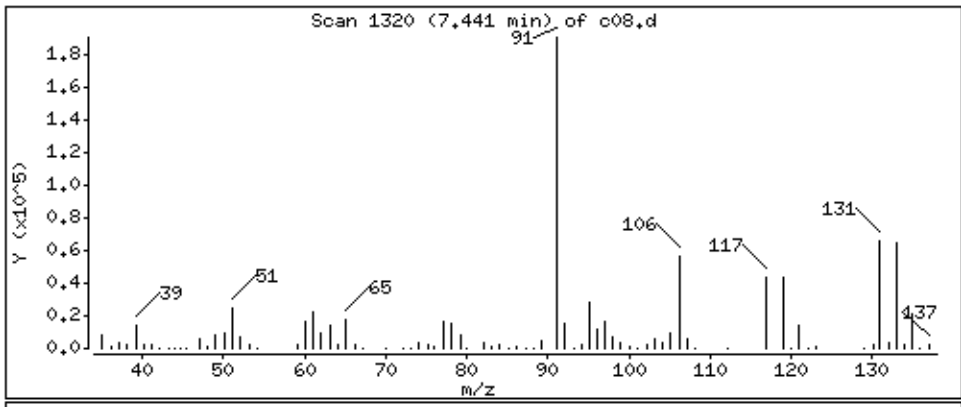
Column phase: DB-624

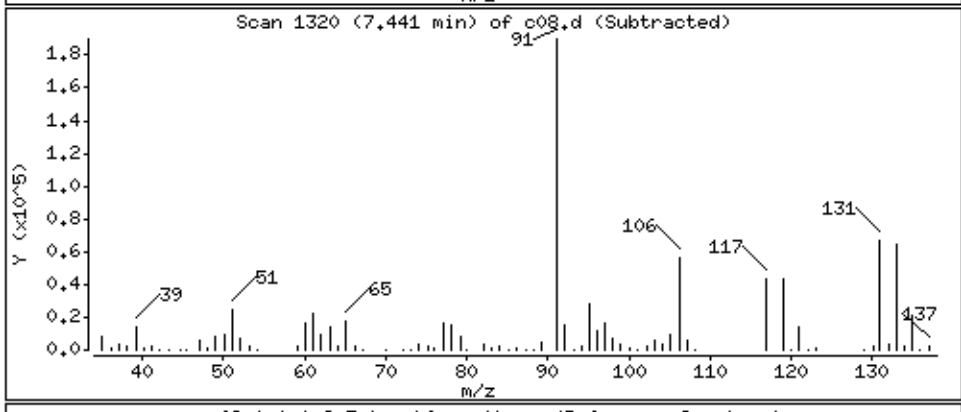
Column diameter: 0.18

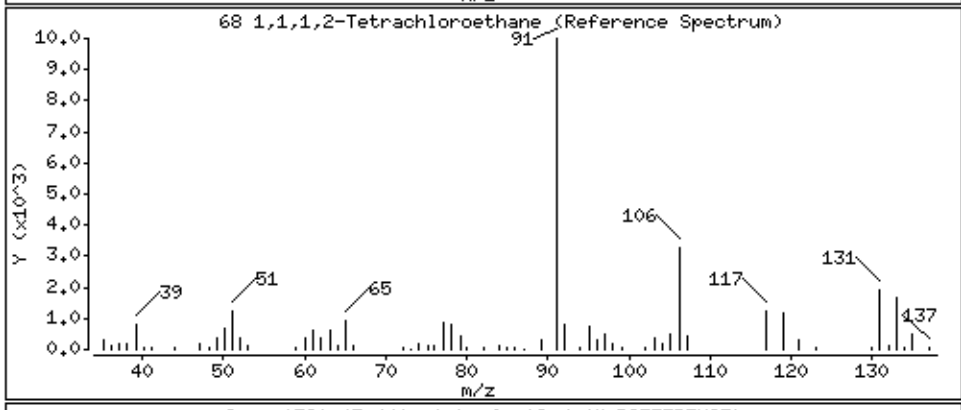
68 1,1,1,2-Tetrachloroethane

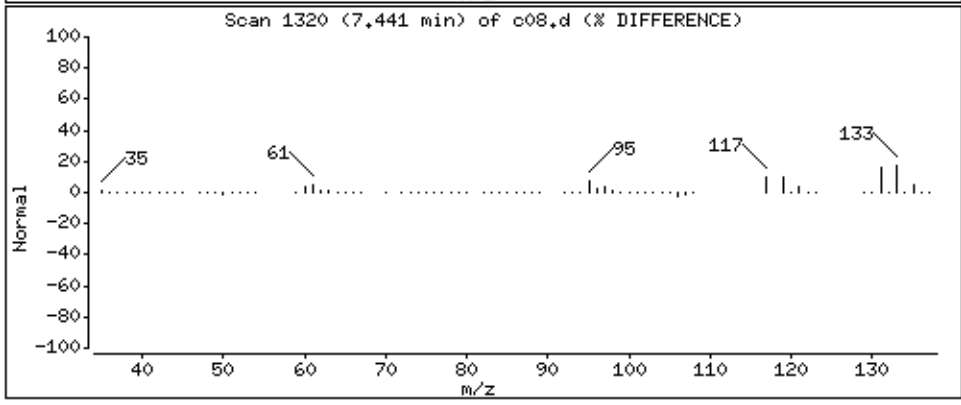
Concentration: 42.2 ppb

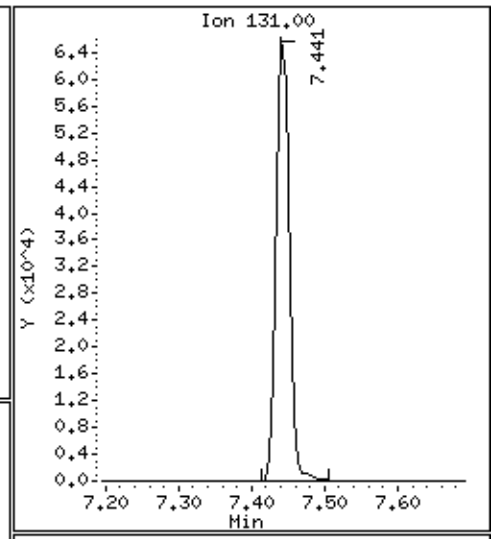
Review Code:

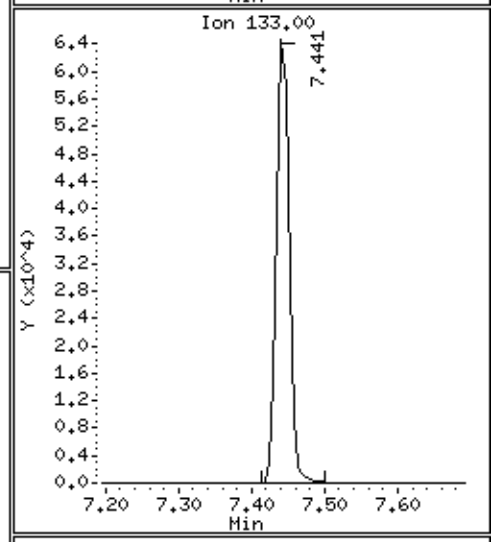


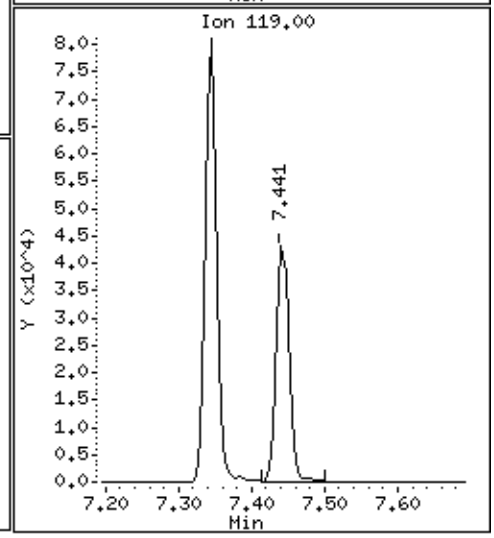












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

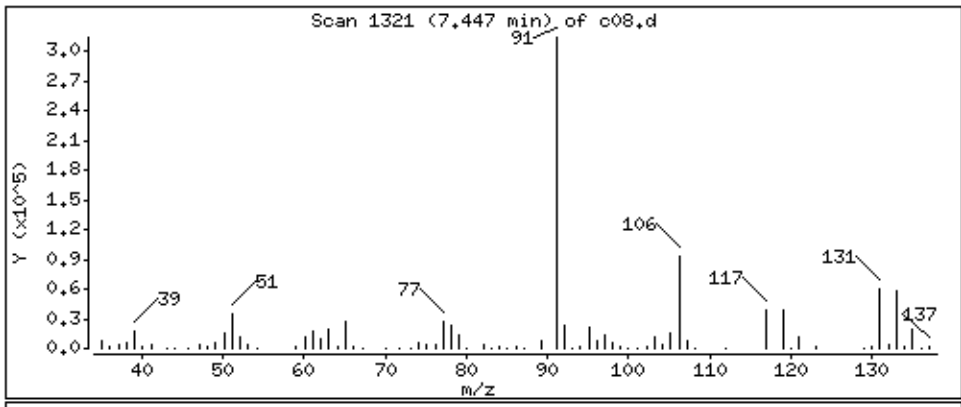
Column phase: DB-624

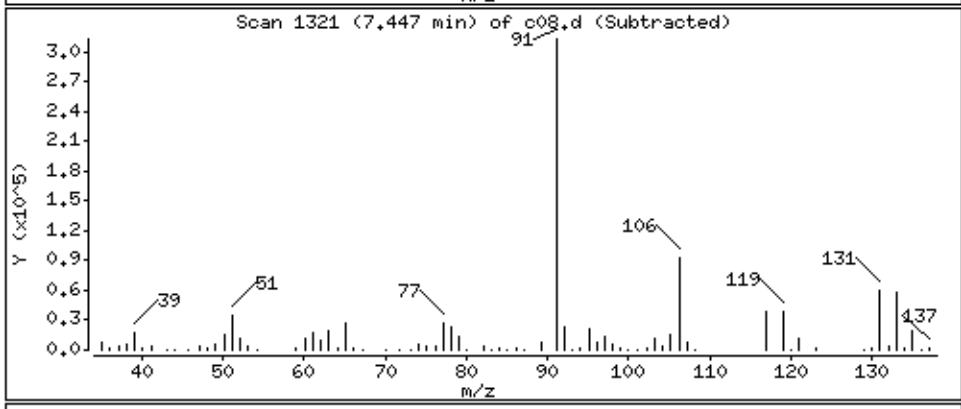
Column diameter: 0.18

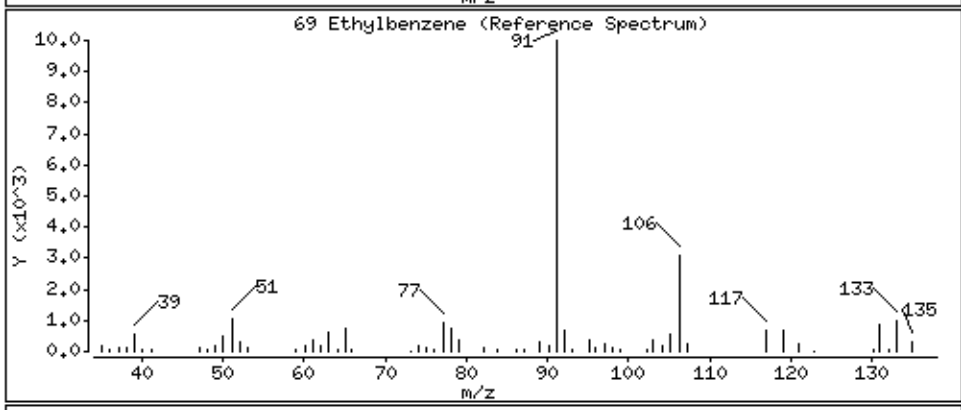
69 Ethylbenzene

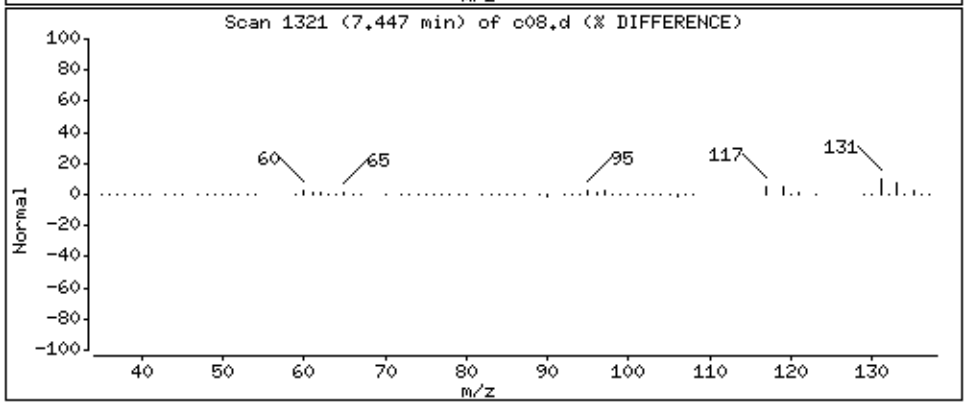
Concentration: 33.7 ppb

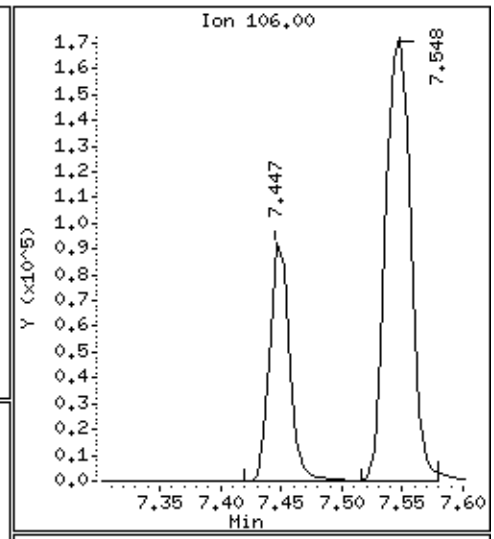
Review Code:

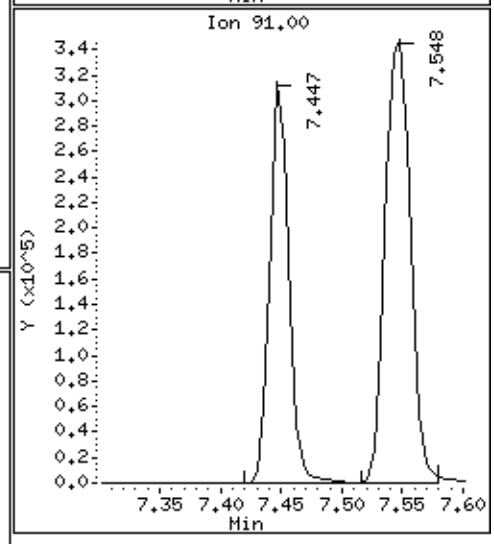












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

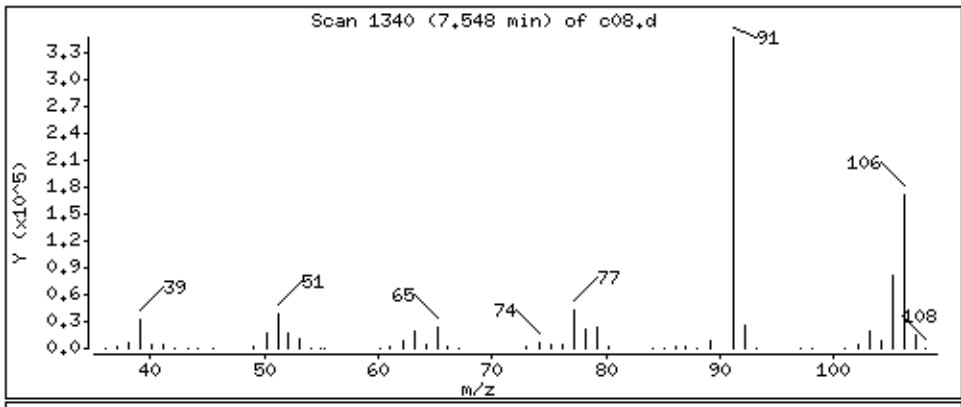
Column phase: DB-624

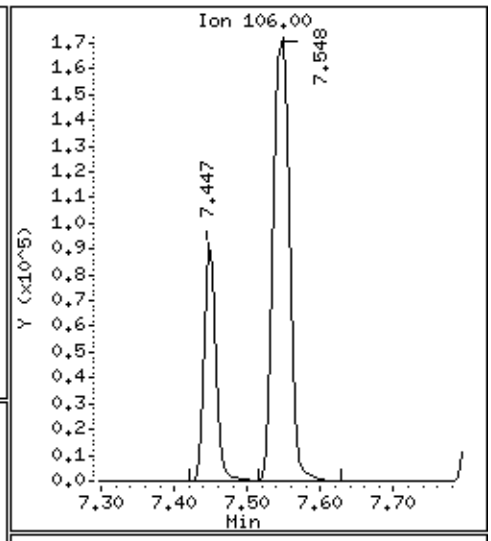
Column diameter: 0.18

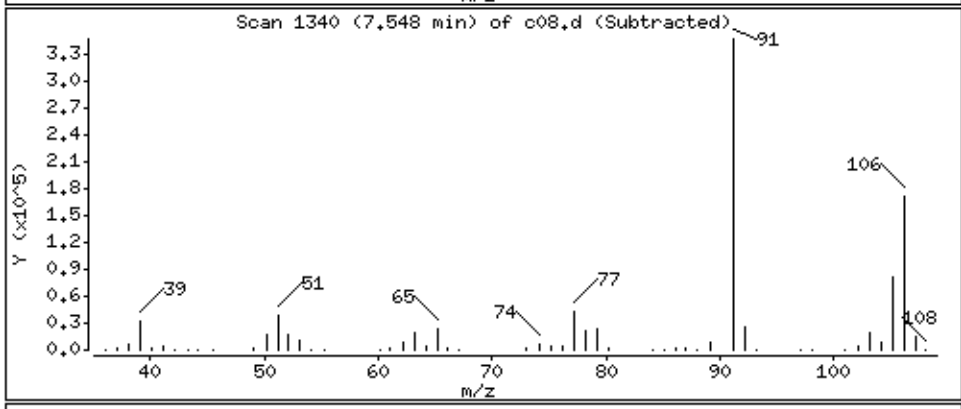
70 m&p-Xylene

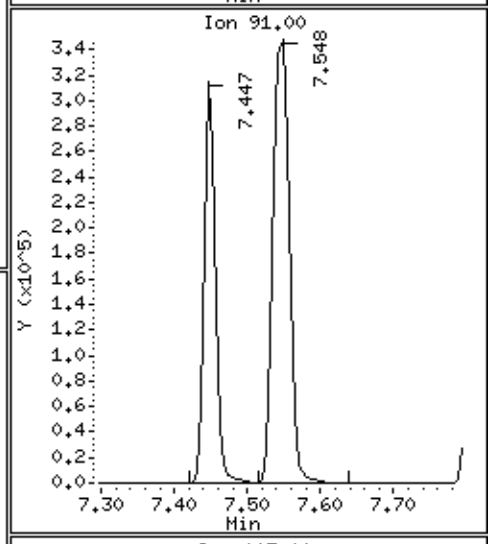
Concentration: 65.2 ppb

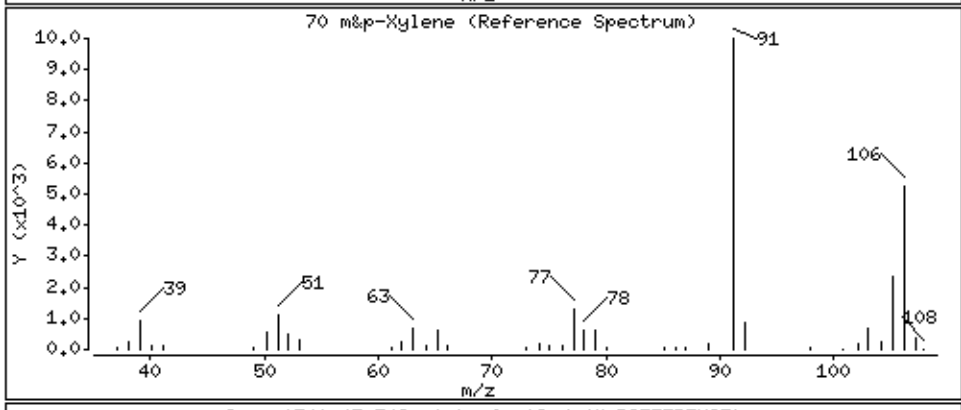
Review Code:

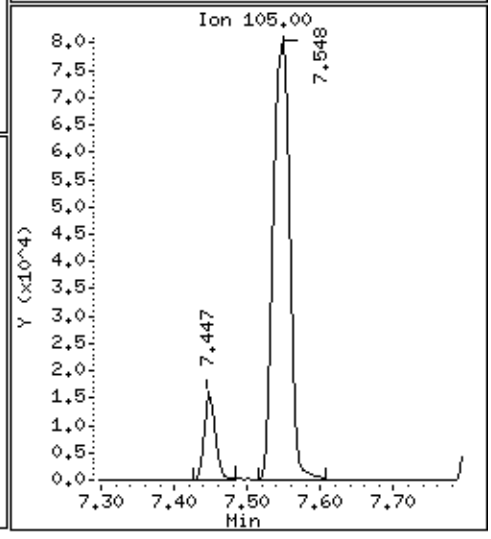


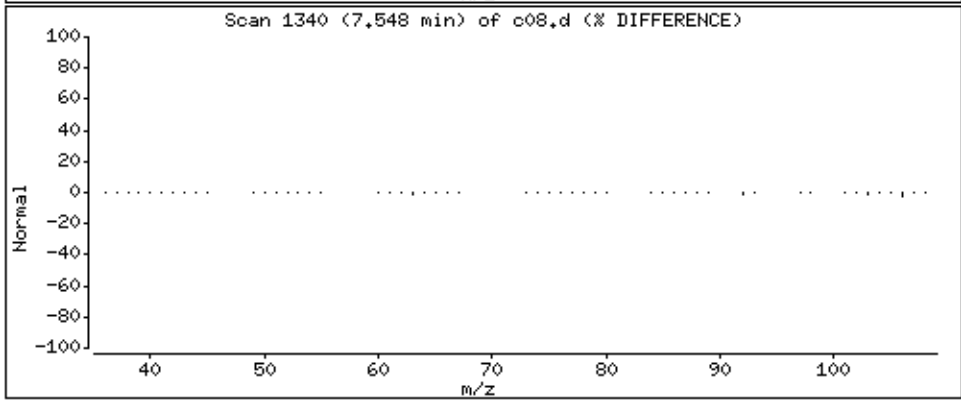












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

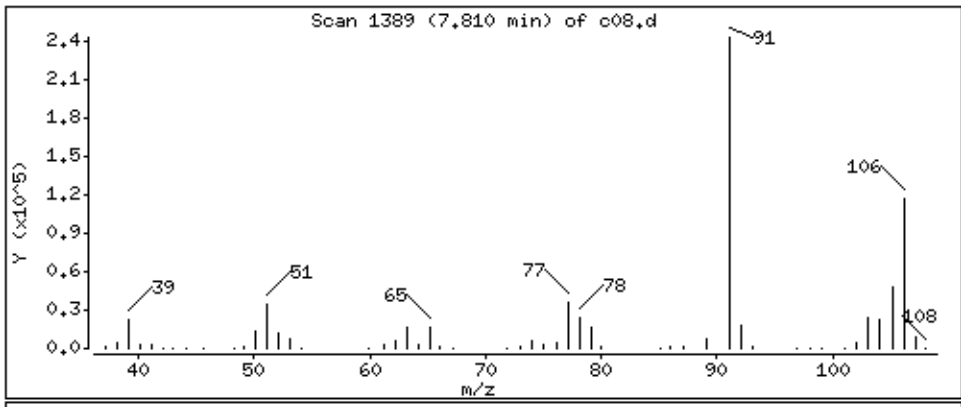
Column phase: DB-624

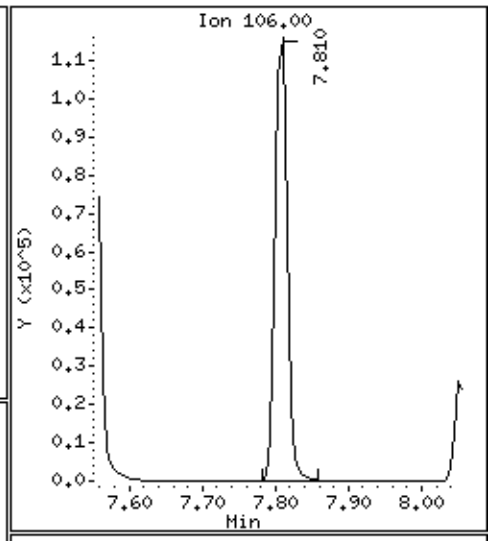
Column diameter: 0.18

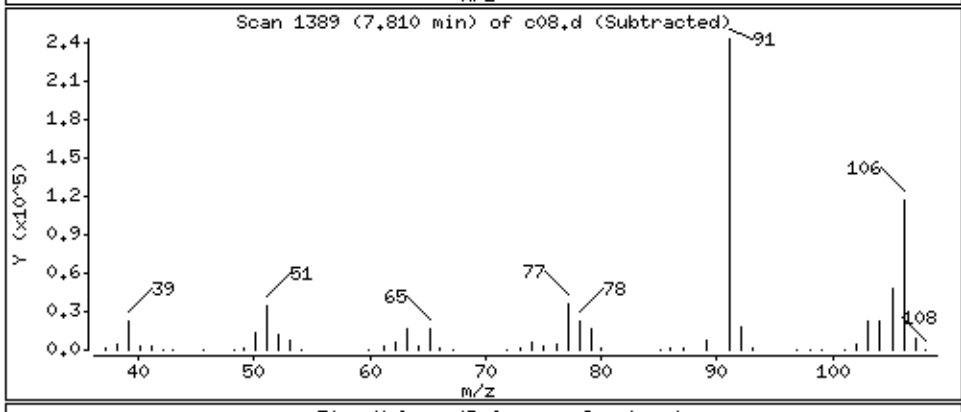
71 o-Xylene

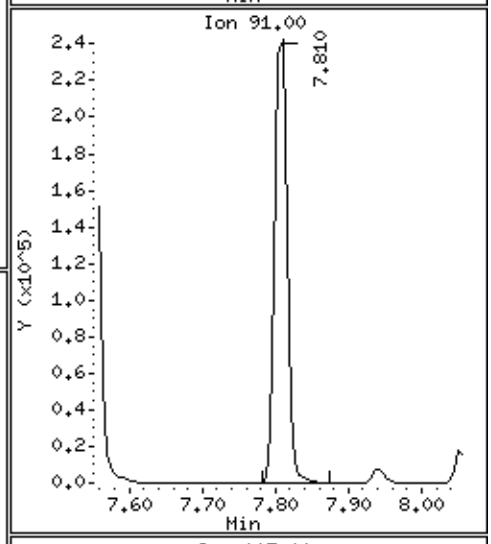
Concentration: 34.8 ppb

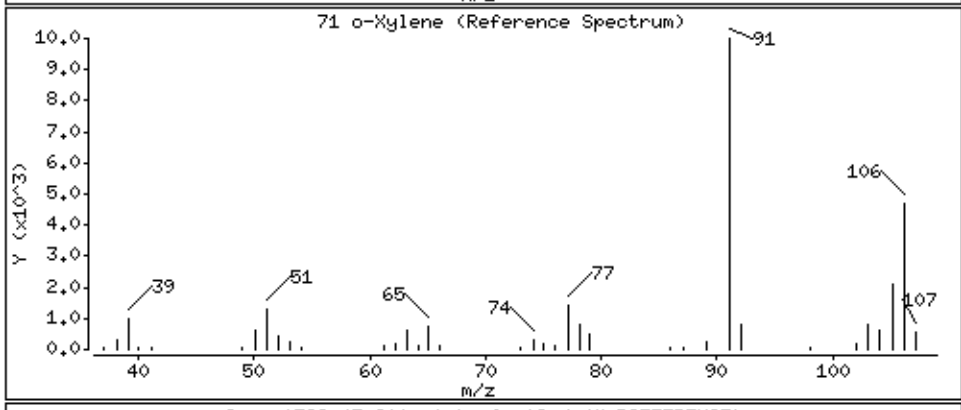
Review Code:

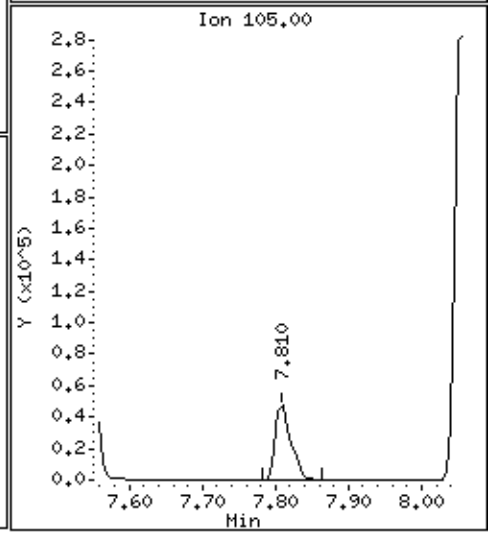


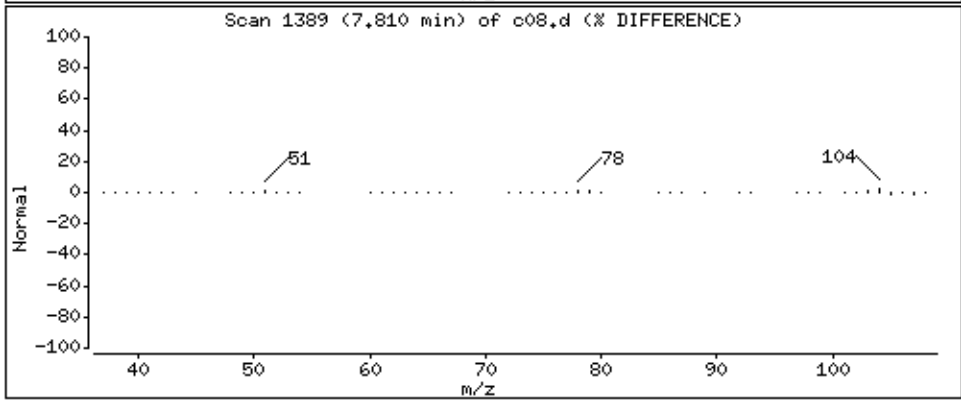












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

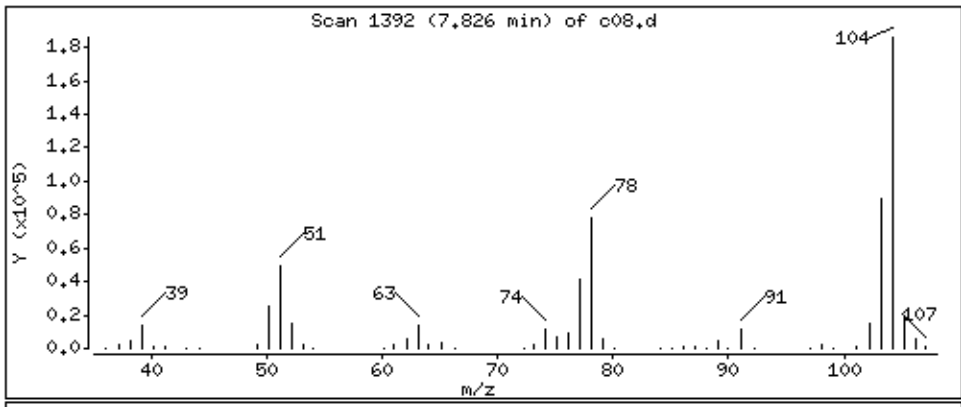
Column phase: DB-624

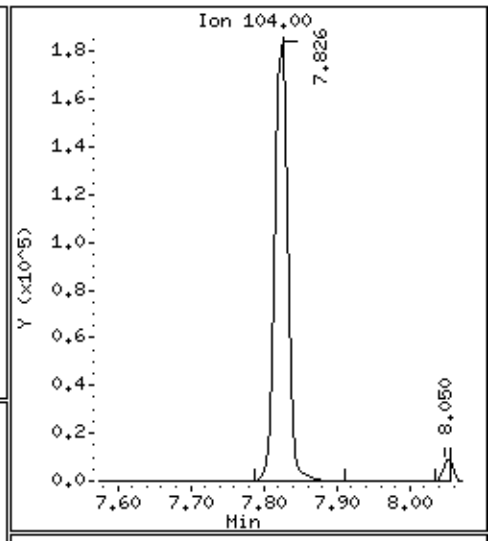
Column diameter: 0.18

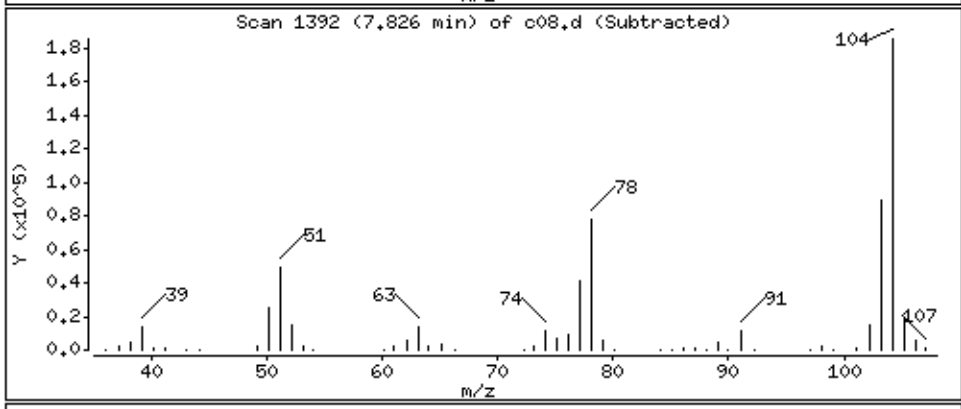
72 Styrene

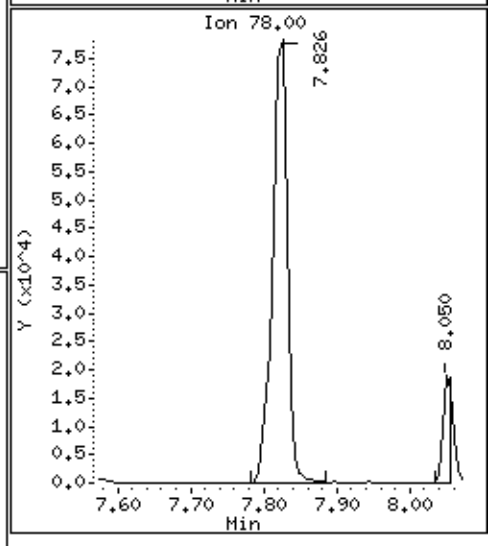
Concentration: 36.4 ppb

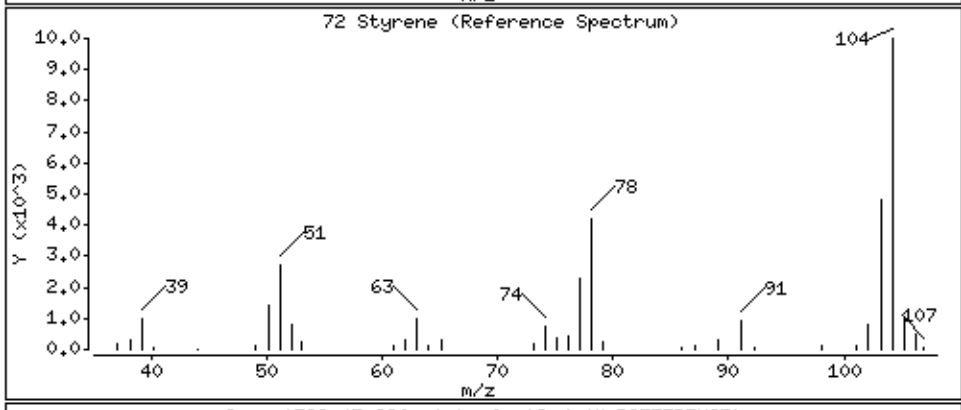
Review Code:

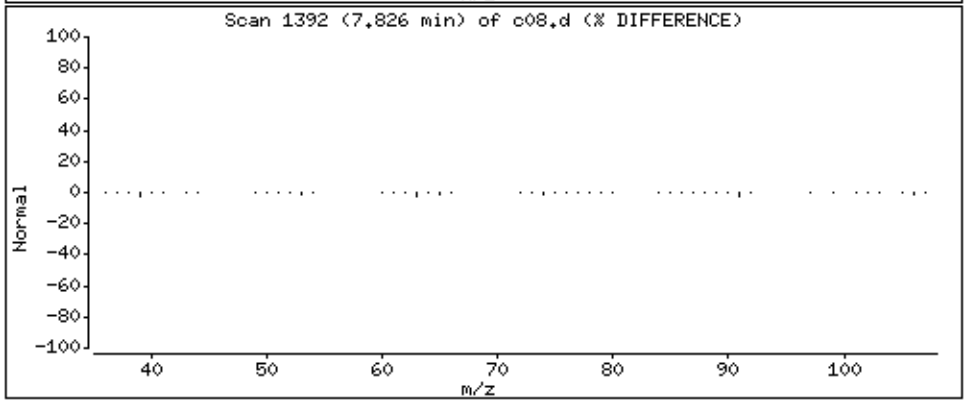












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

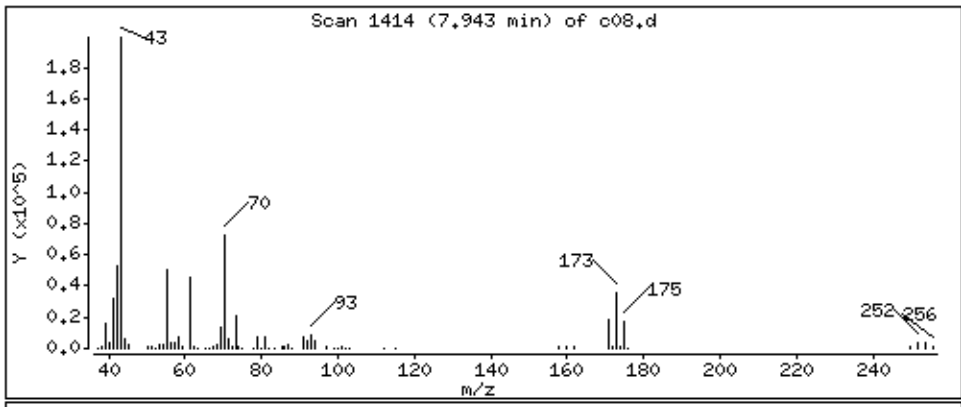
Column phase: DB-624

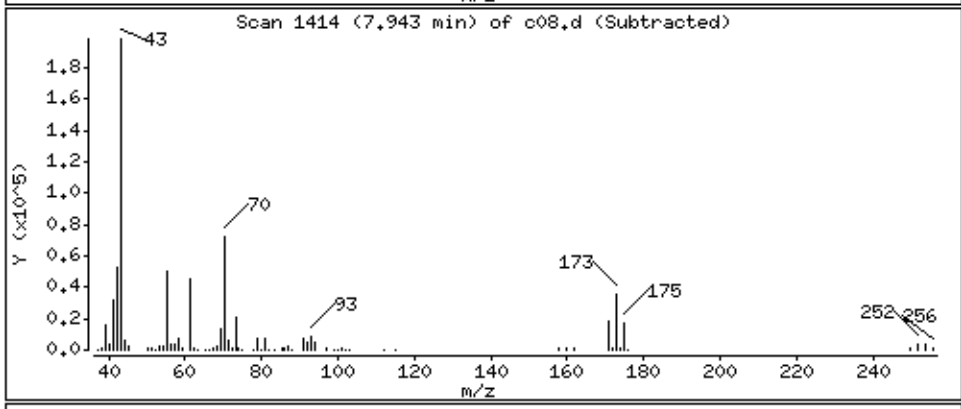
Column diameter: 0.18

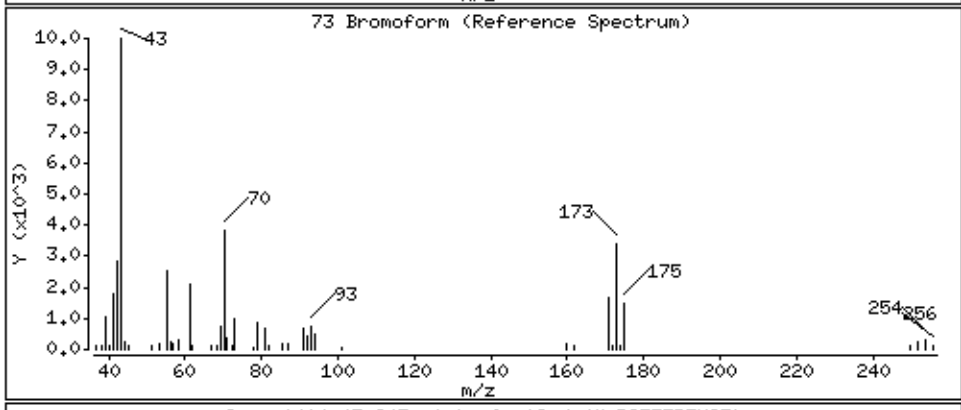
73 Bromoform

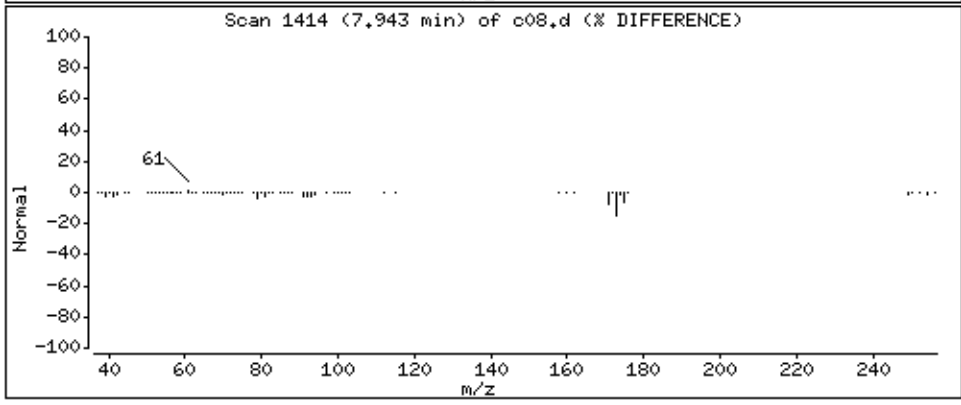
Concentration: 43.6 ppb

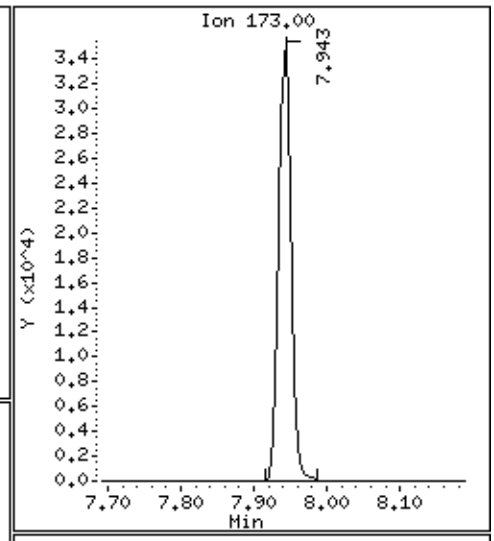
Review Code:

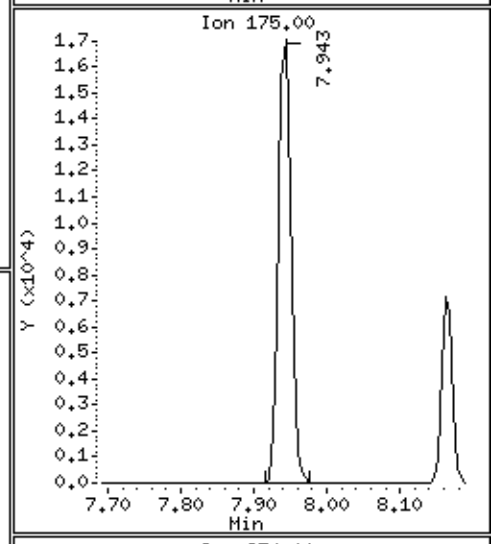


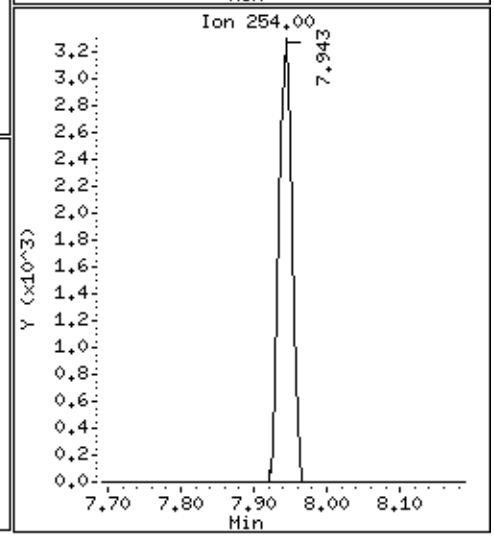












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

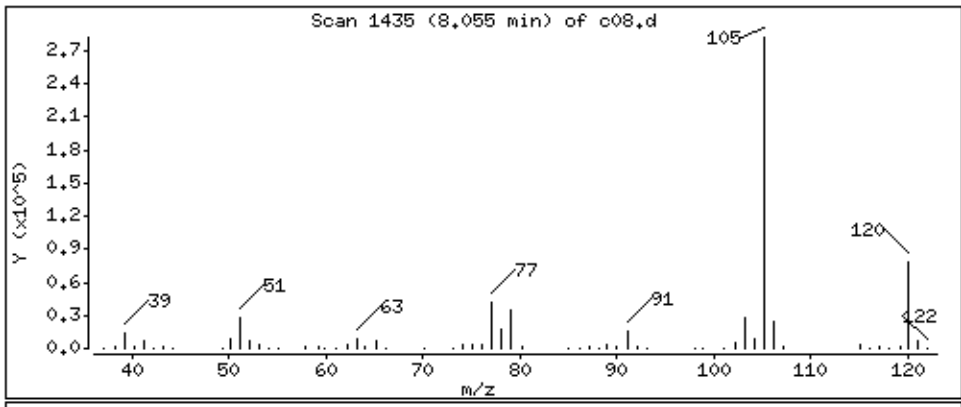
Column phase: DB-624

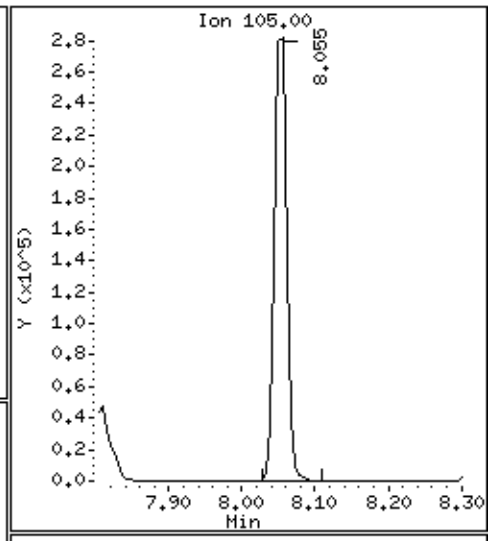
Column diameter: 0.18

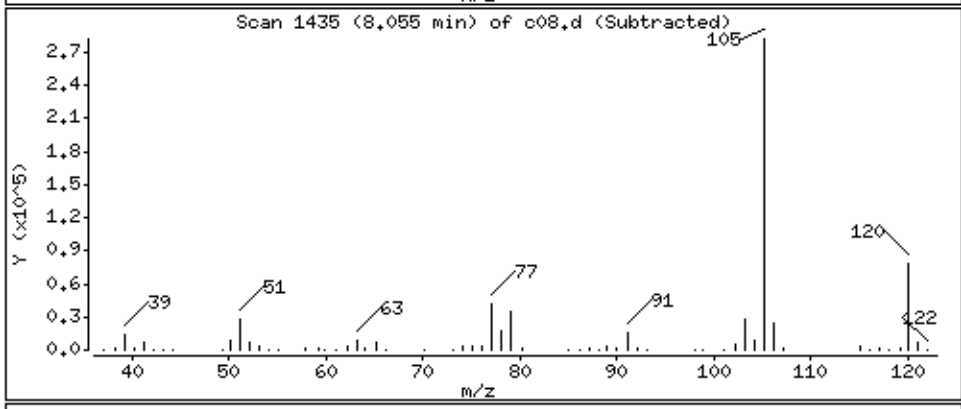
74 Isopropylbenzene

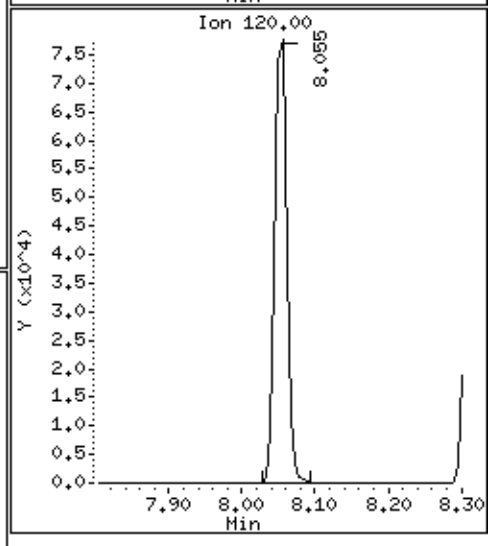
Concentration: 30.7 ppb

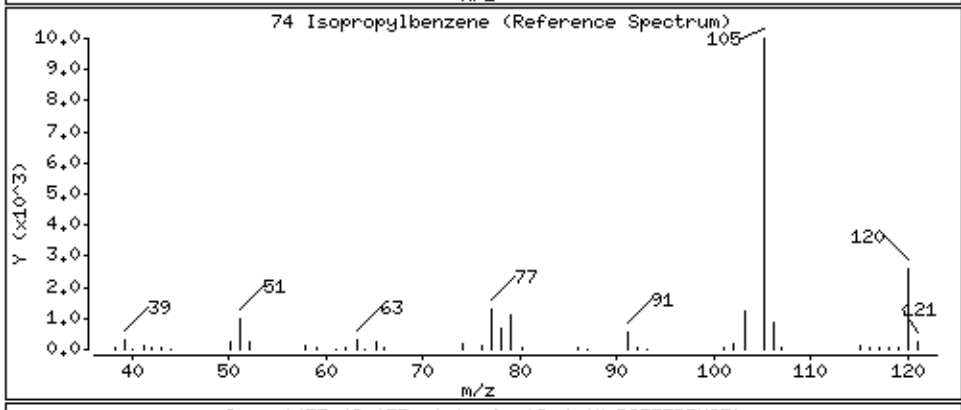
Review Code:

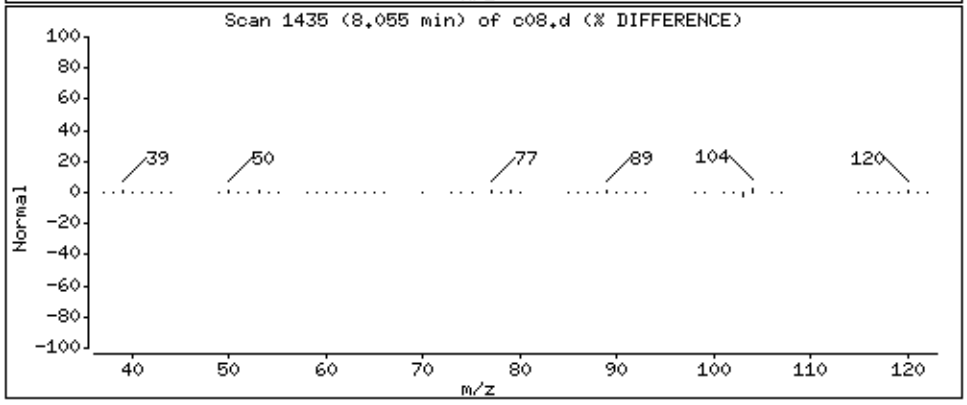












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

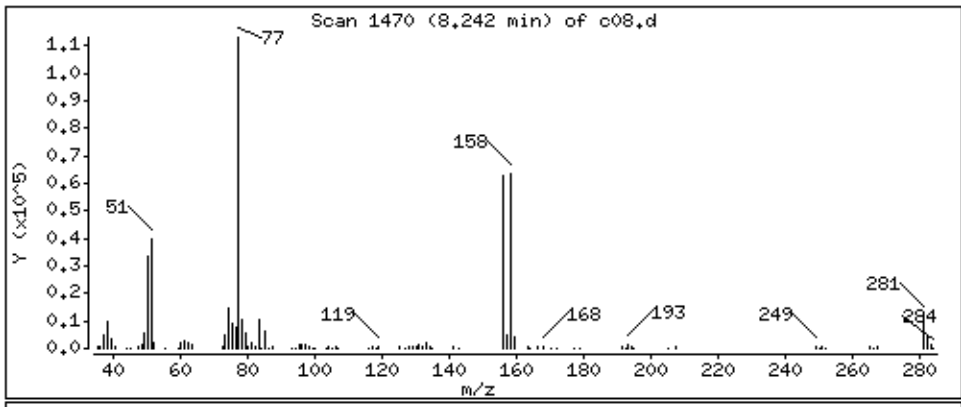
Column phase: DB-624

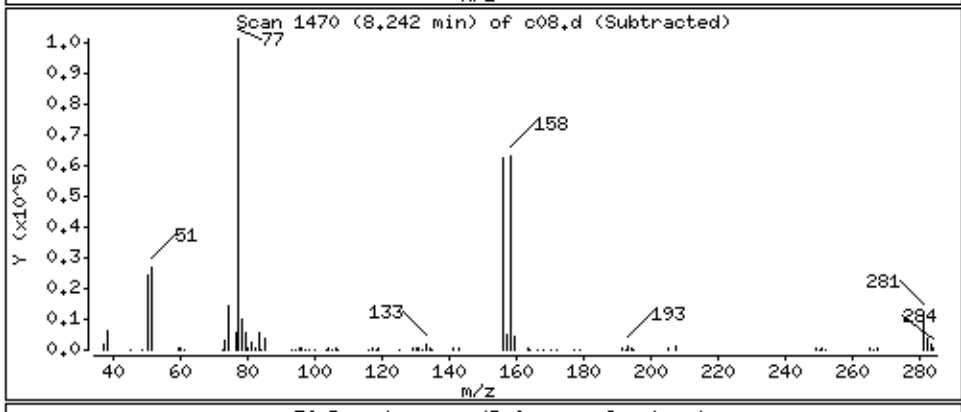
Column diameter: 0.18

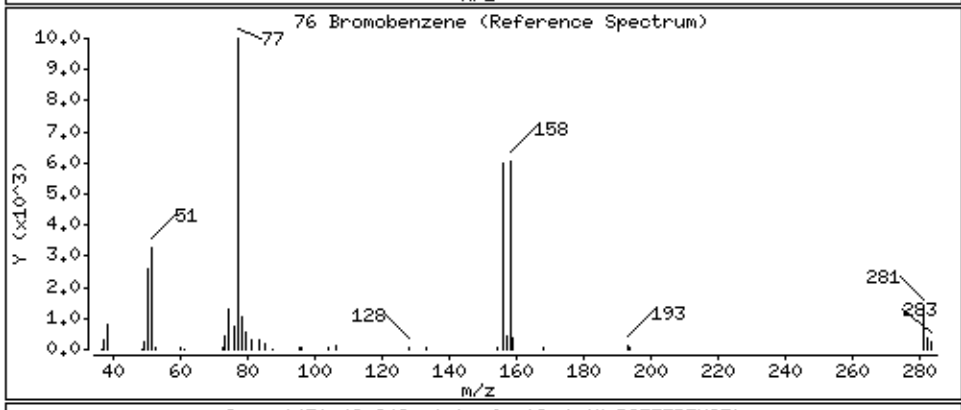
76 Bromobenzene

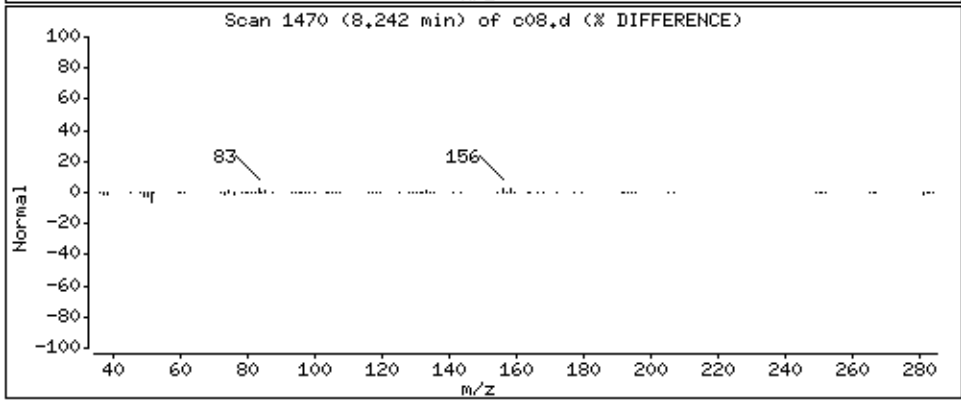
Concentration: 37.5 ppb

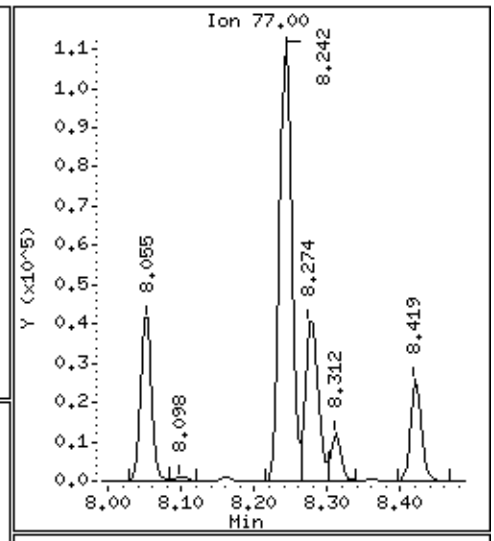
Review Code:

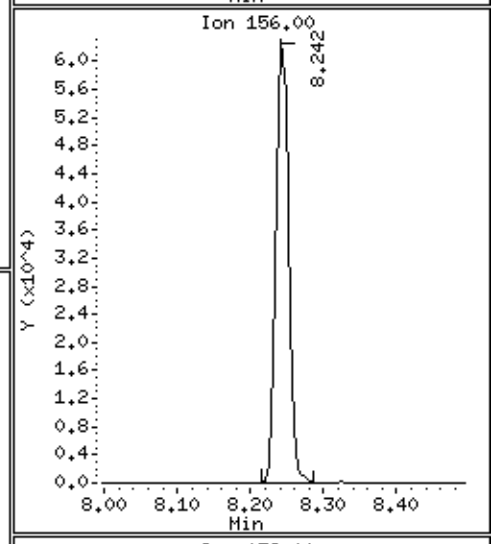


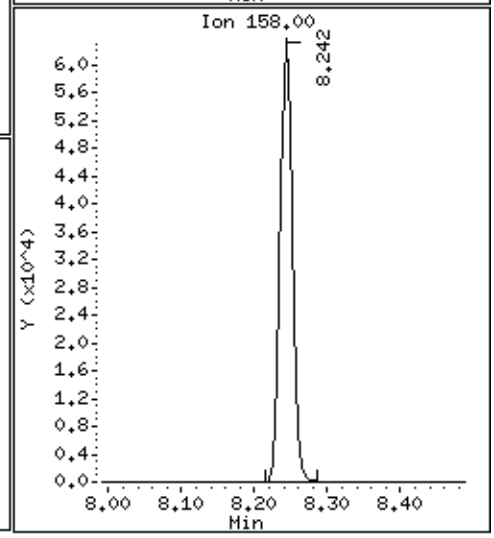












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

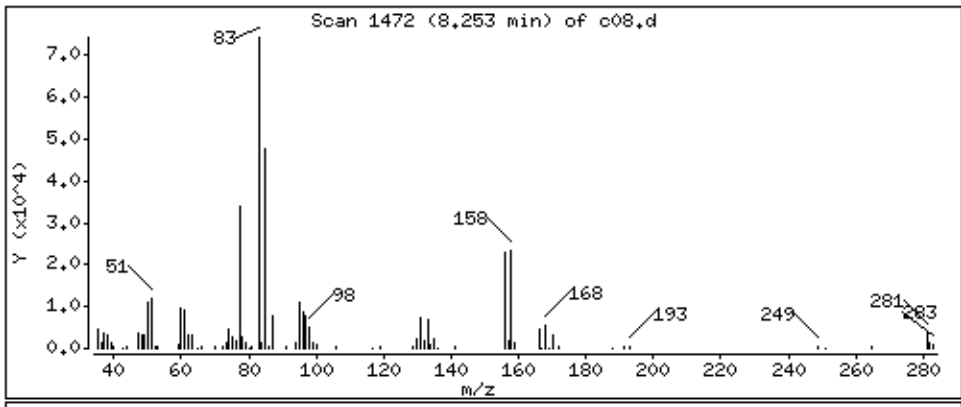
Column phase: DB-624

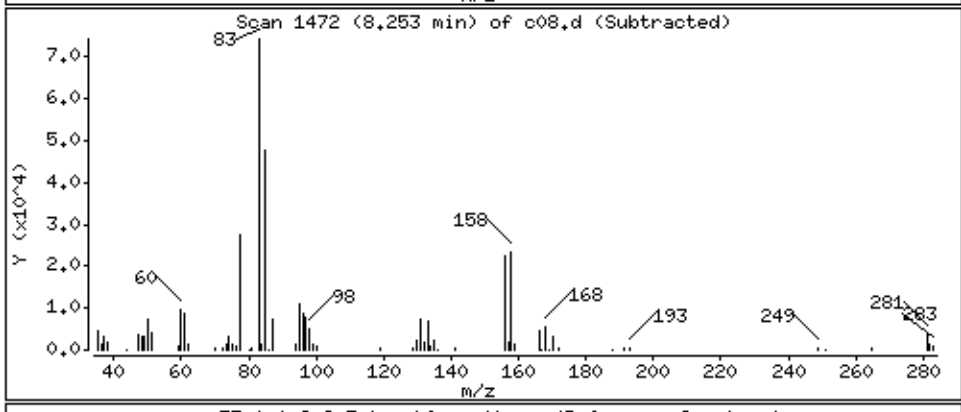
Column diameter: 0.18

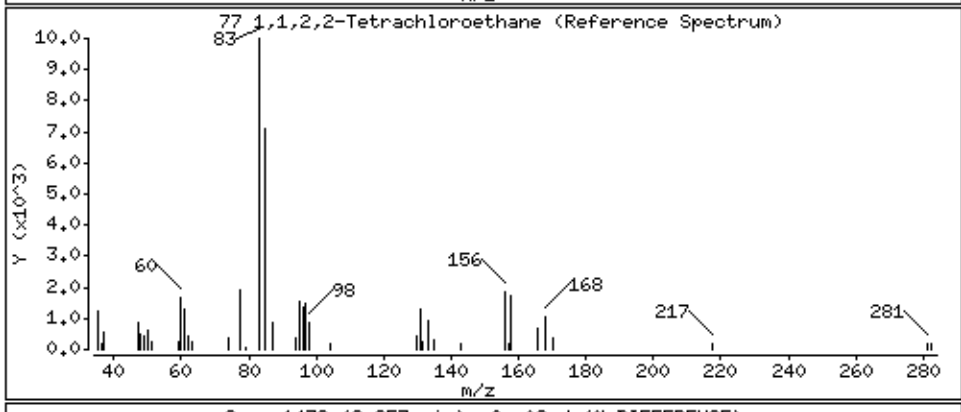
77 1,1,2,2-Tetrachloroethane

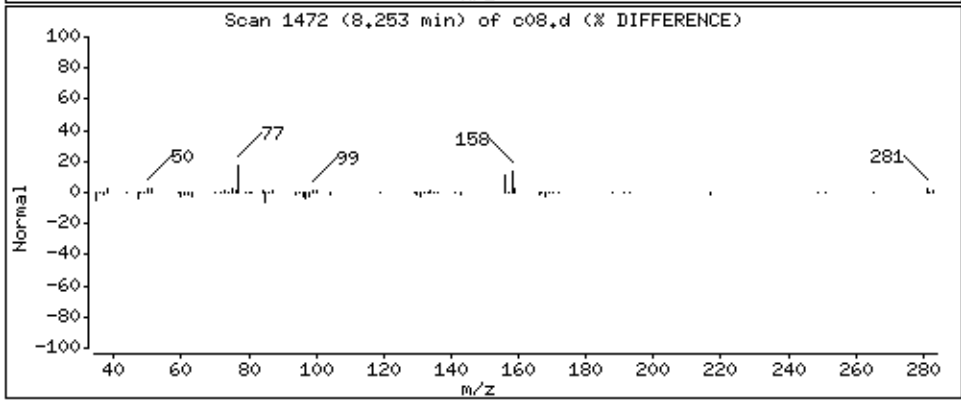
Concentration: 49.4 ppb

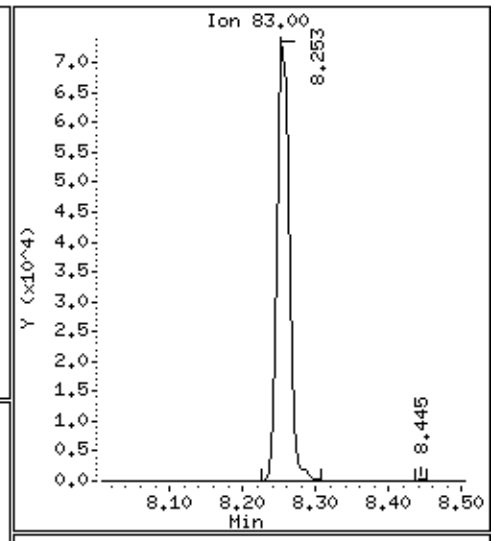
Review Code:

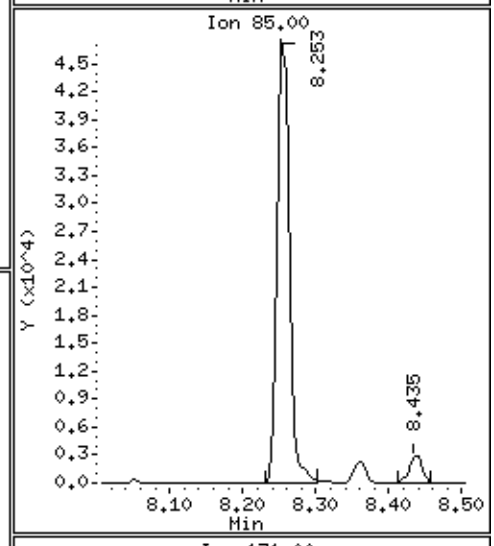


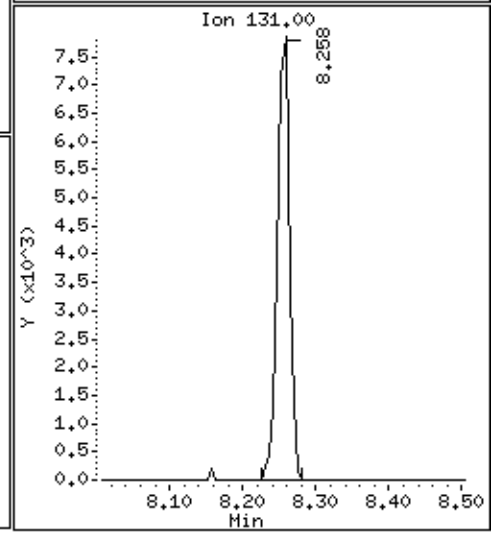












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

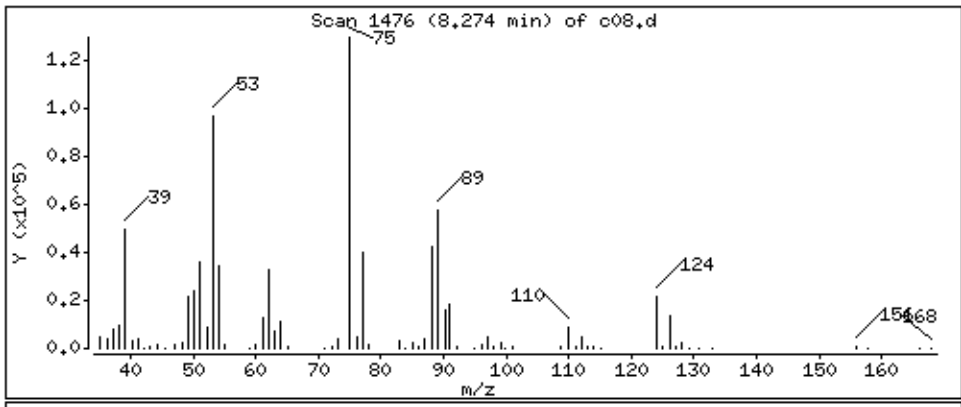
Column phase: DB-624

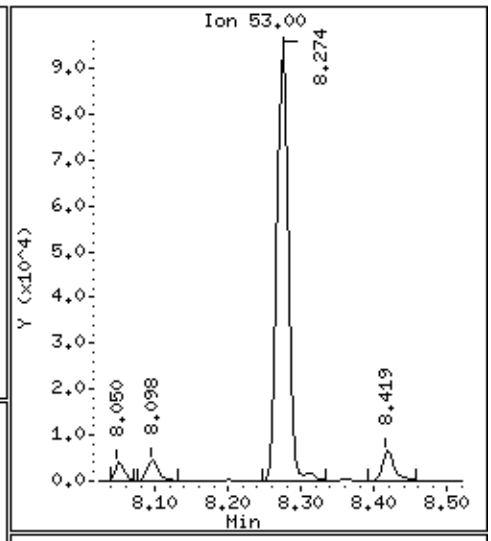
Column diameter: 0.18

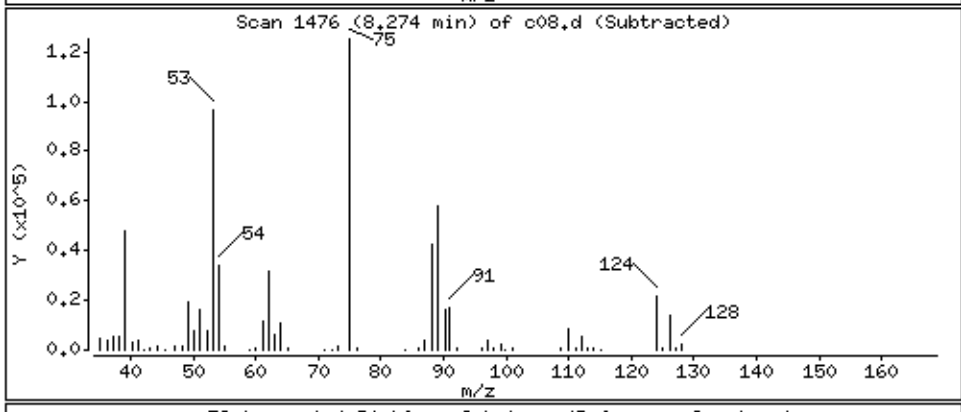
78 trans-1,4-Dichloro-2-butene

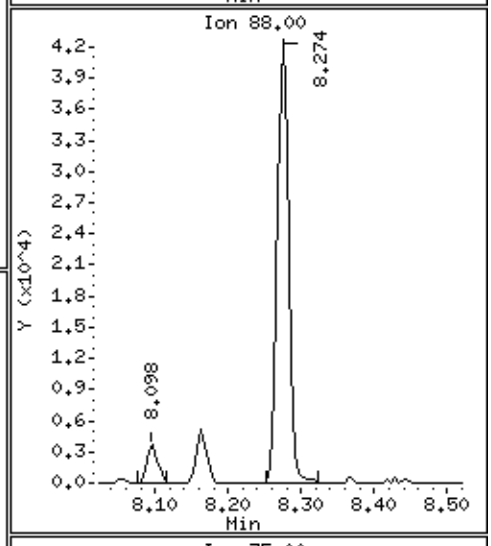
Concentration: 209 ppb

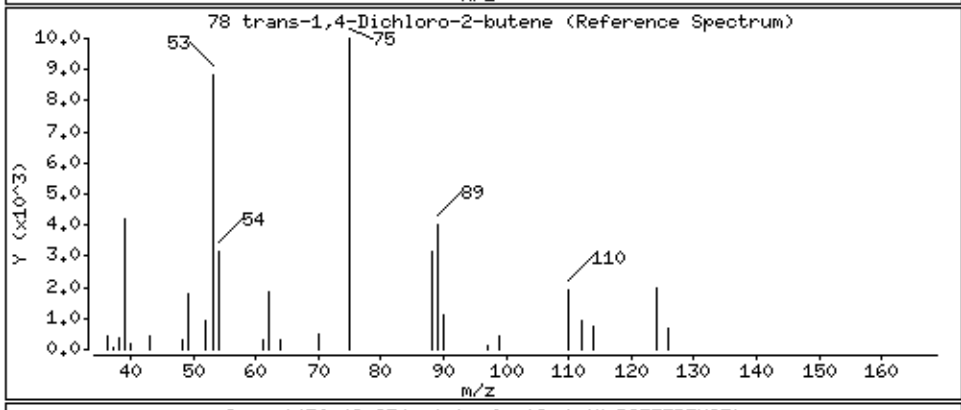
Review Code:

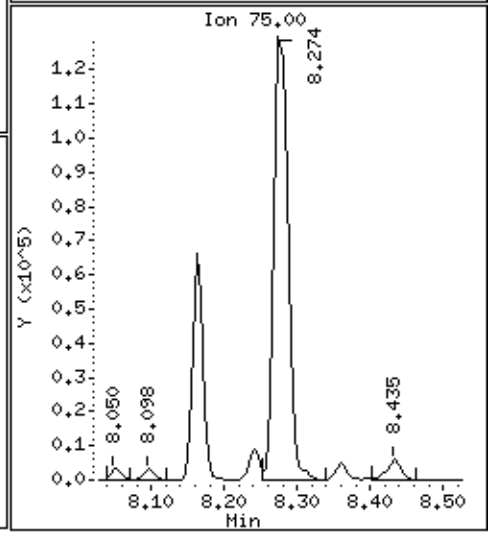


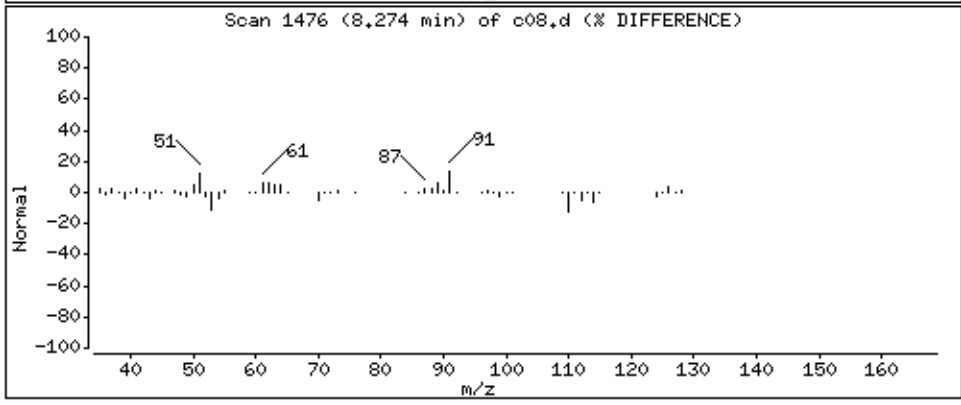












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

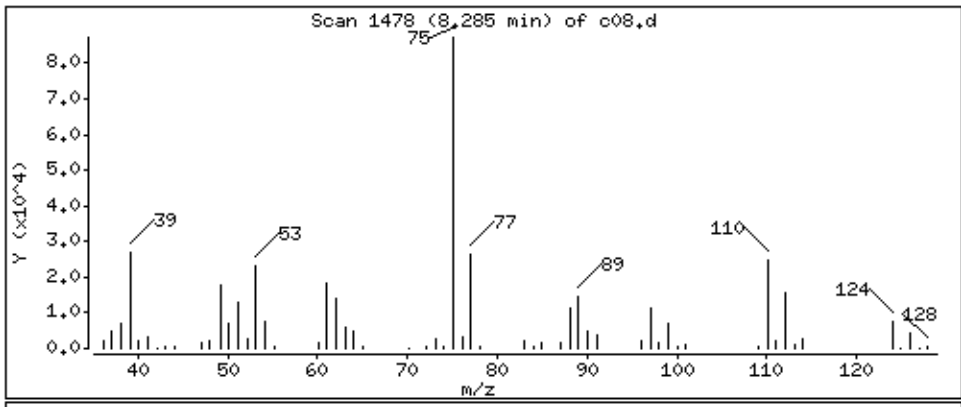
Column phase: DB-624

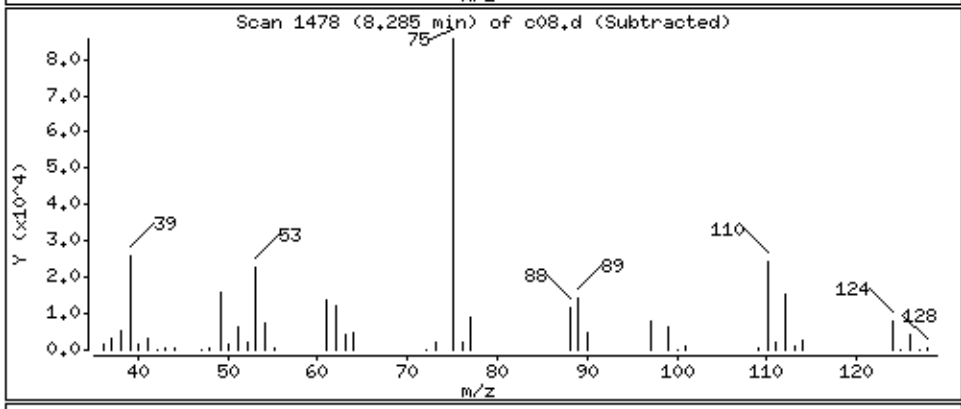
Column diameter: 0.18

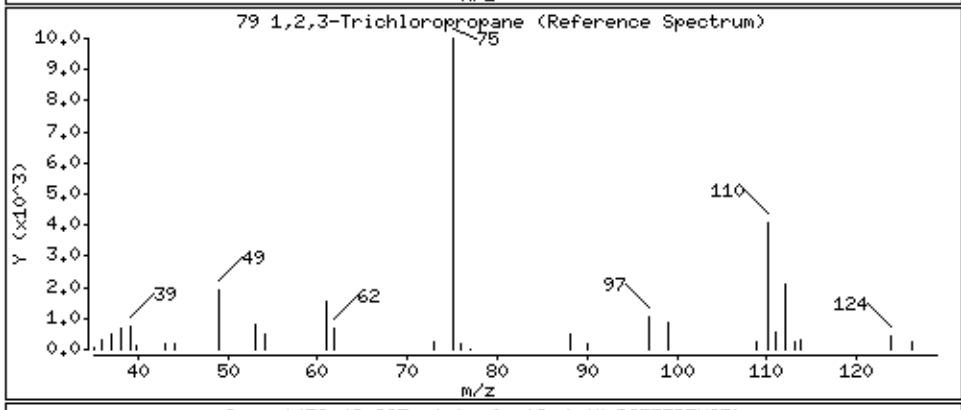
79 1,2,3-Trichloropropane

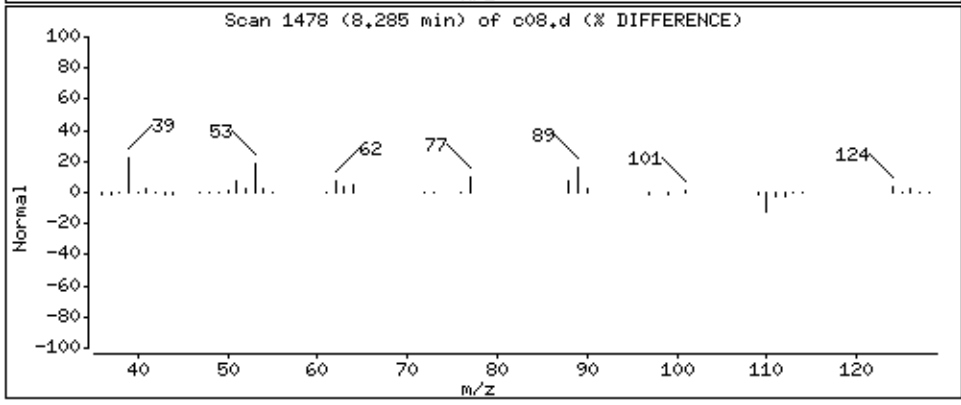
Concentration: 49.2 ppb

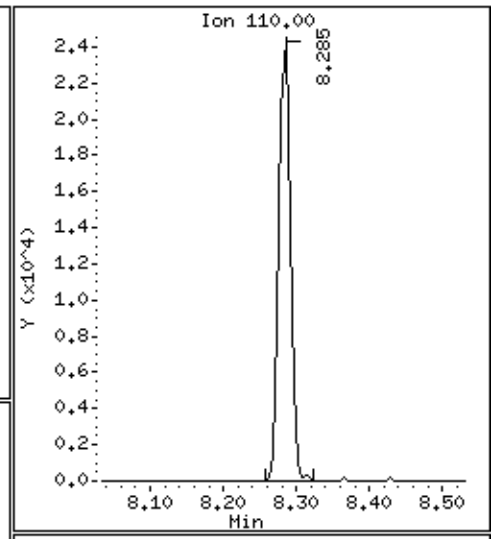
Review Code:

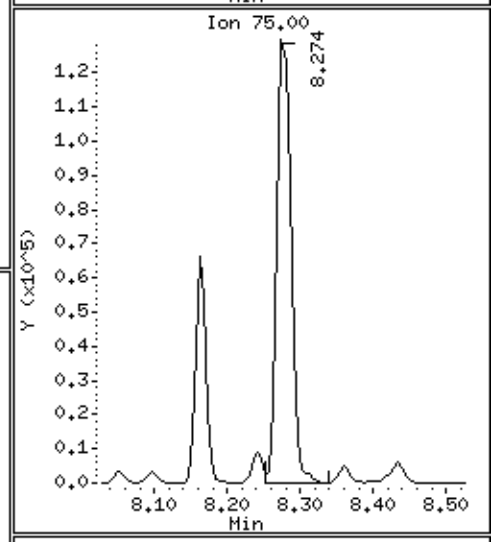


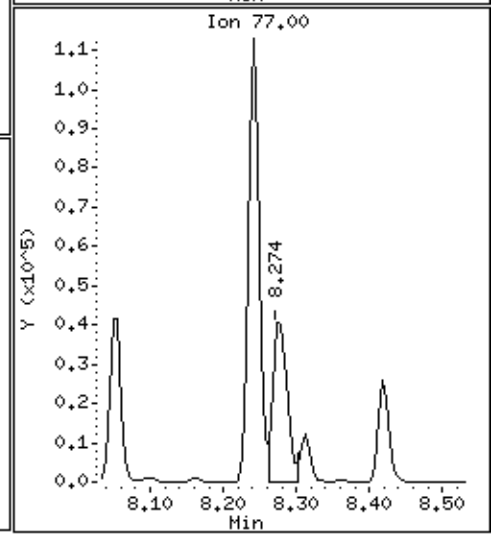












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

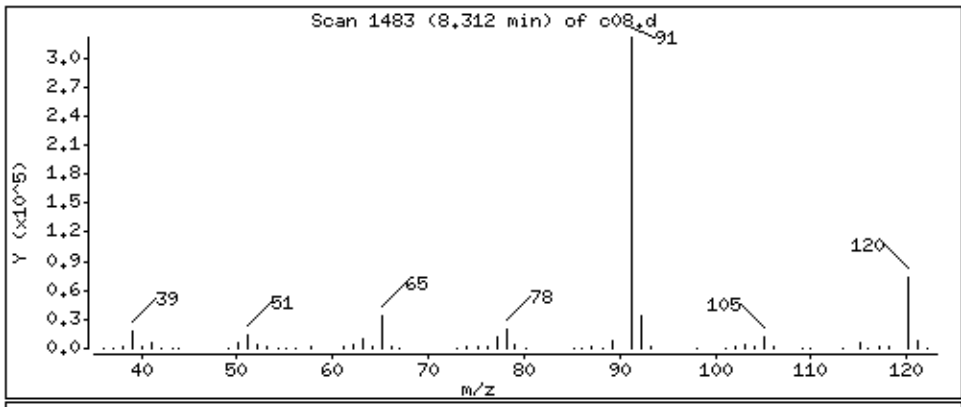
Column phase: DB-624

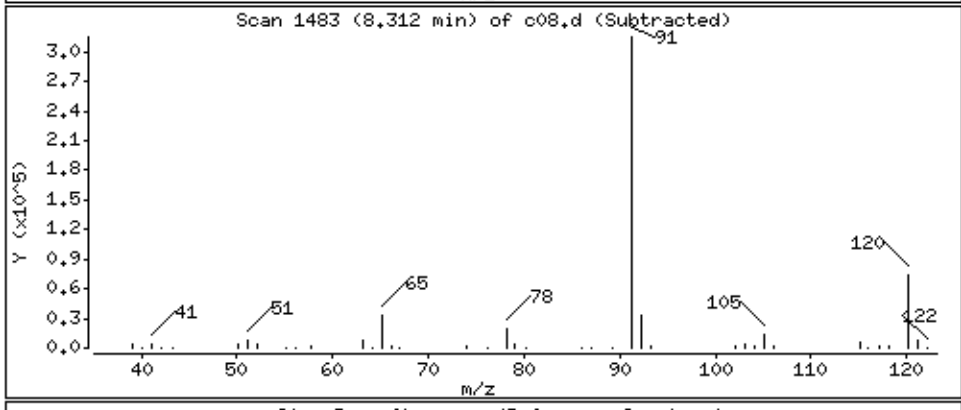
Column diameter: 0.18

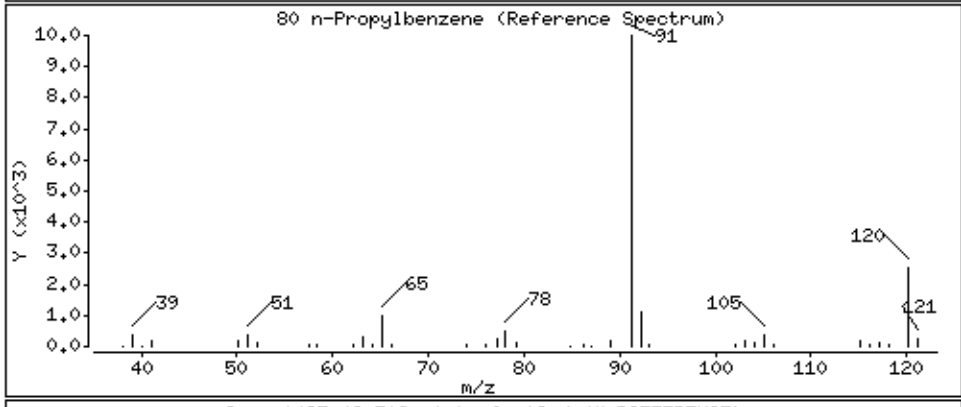
80 n-Propylbenzene

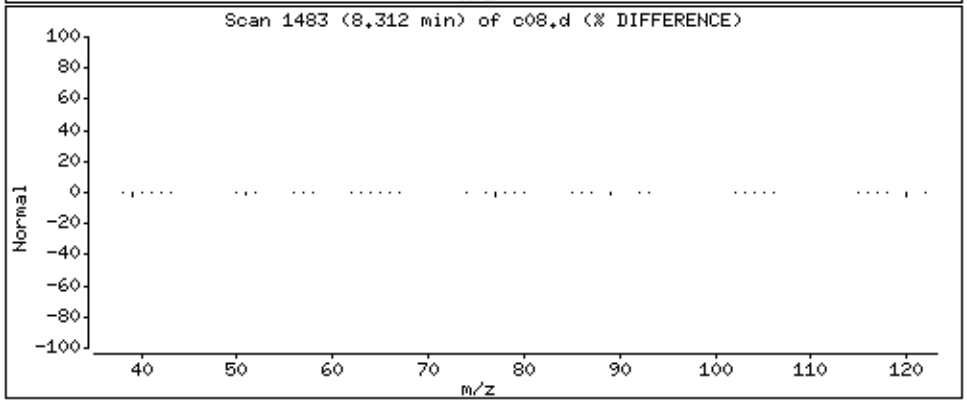
Concentration: 27.5 ppb

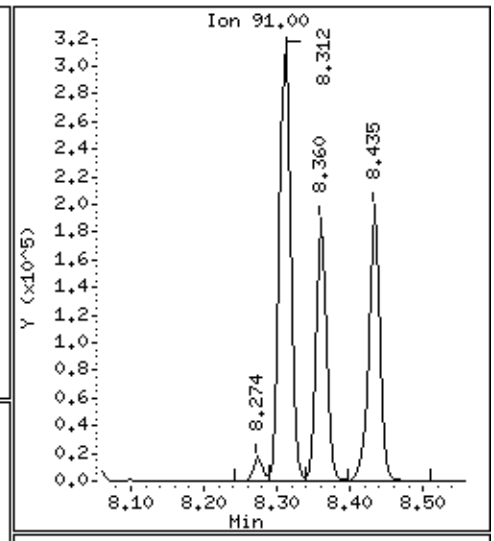
Review Code:

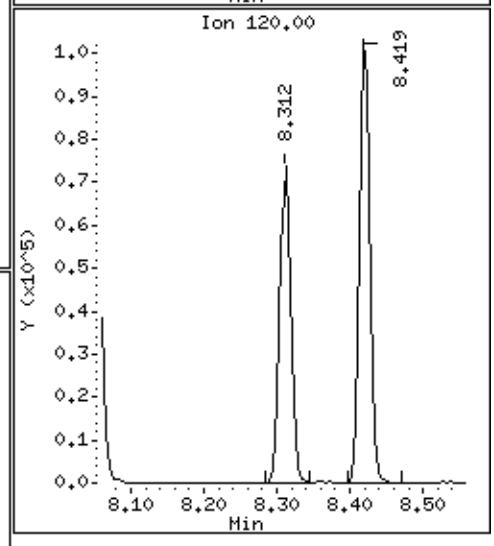












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

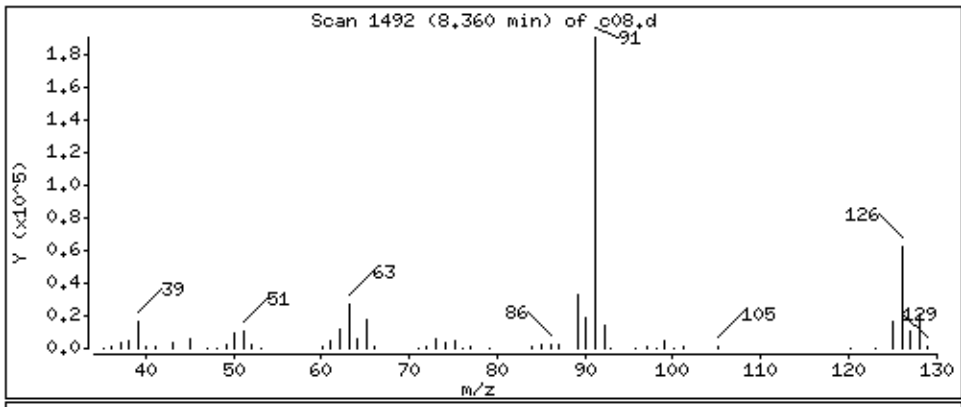
Column phase: DB-624

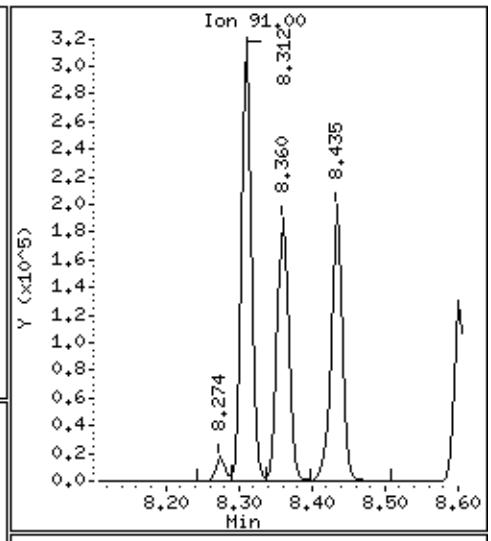
Column diameter: 0.18

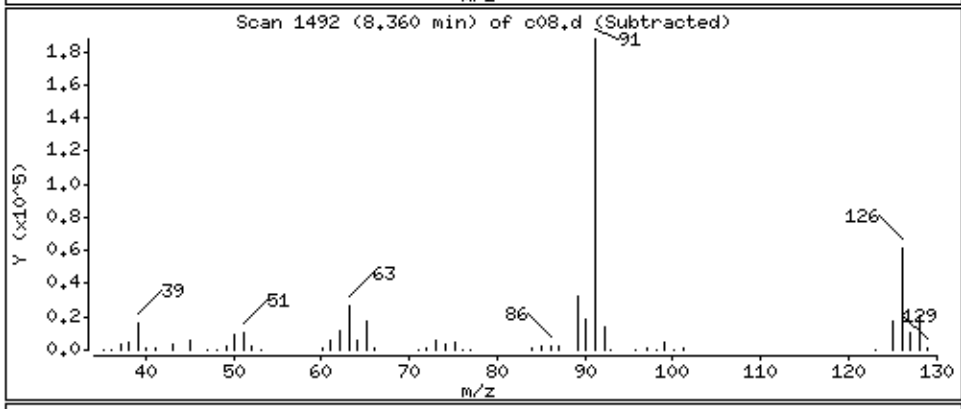
81 2-Chlorotoluene

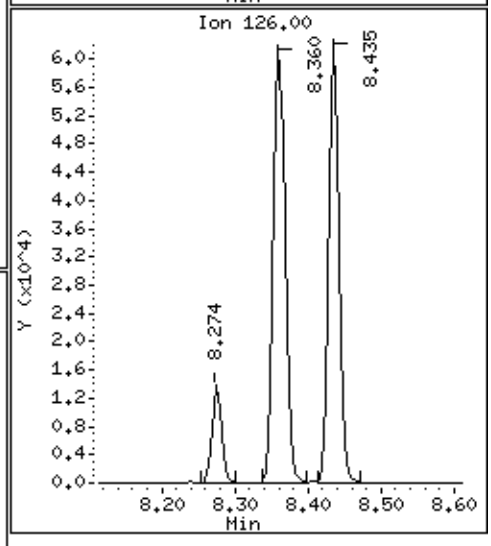
Concentration: 30.7 ppb

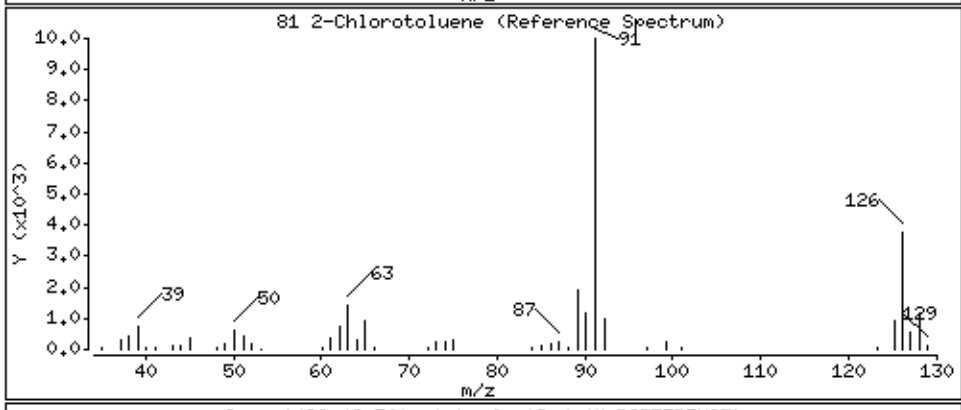
Review Code:

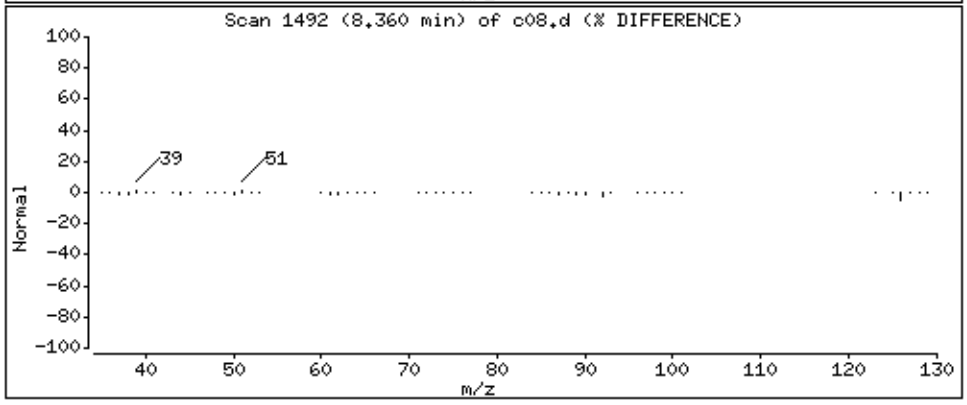












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

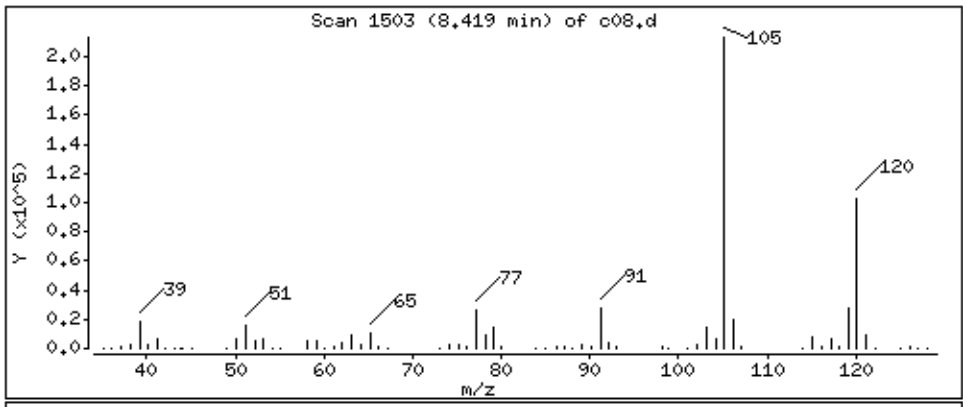
Column phase: DB-624

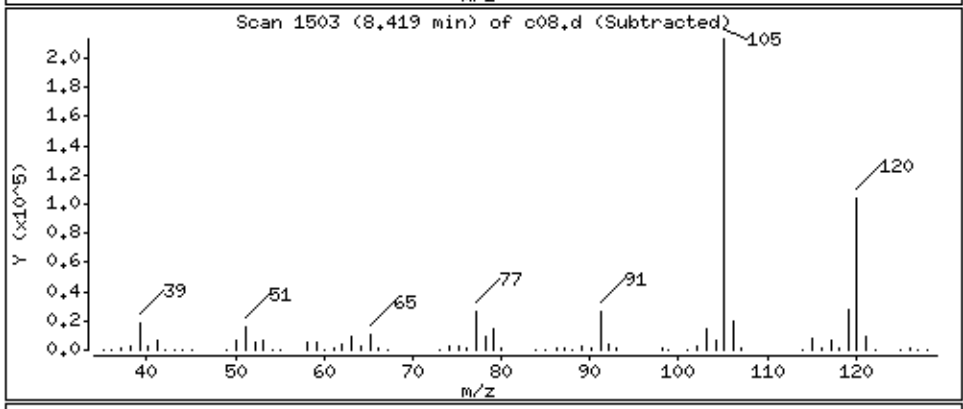
Column diameter: 0.18

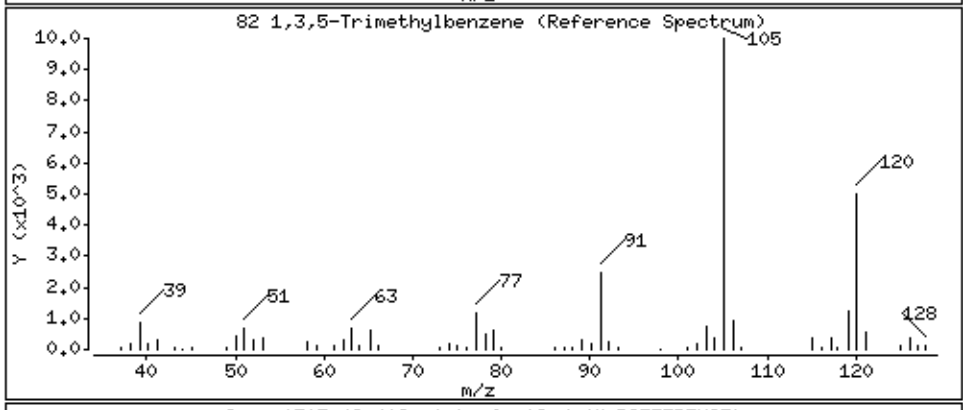
82 1,3,5-Trimethylbenzene

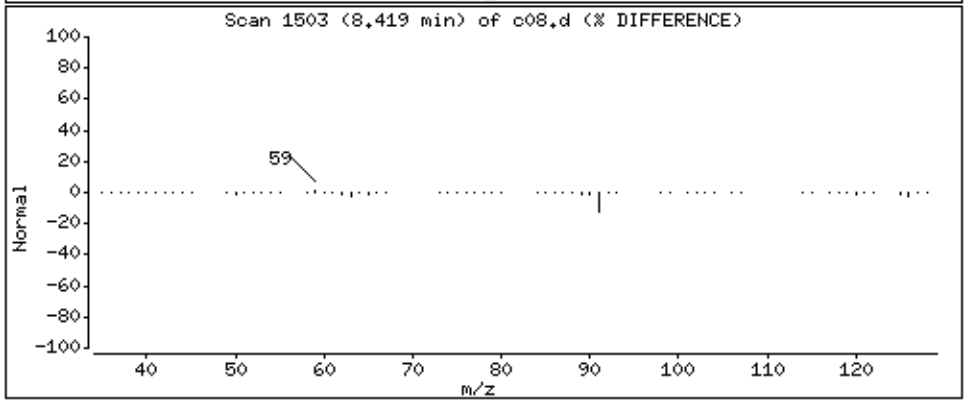
Concentration: 28.0 ppb

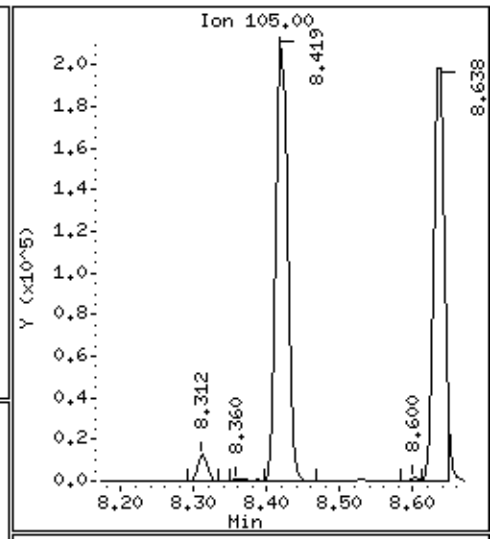
Review Code:

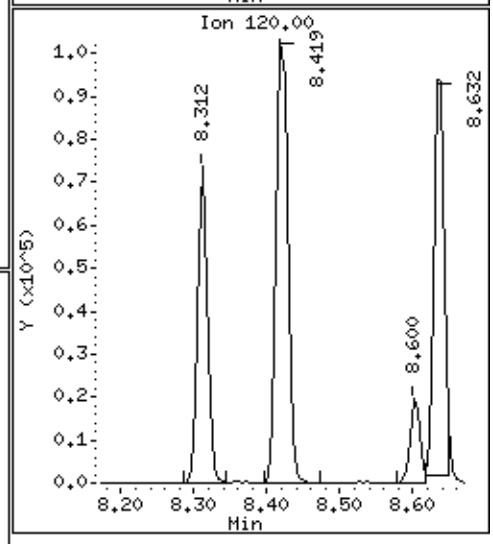












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

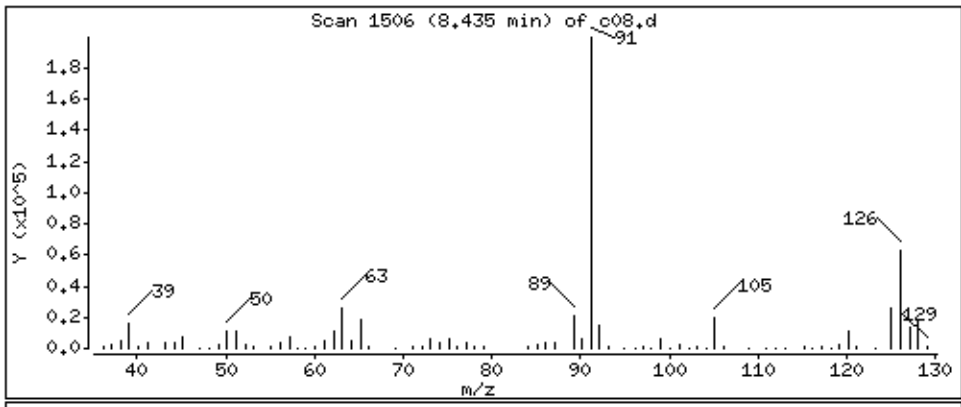
Column phase: DB-624

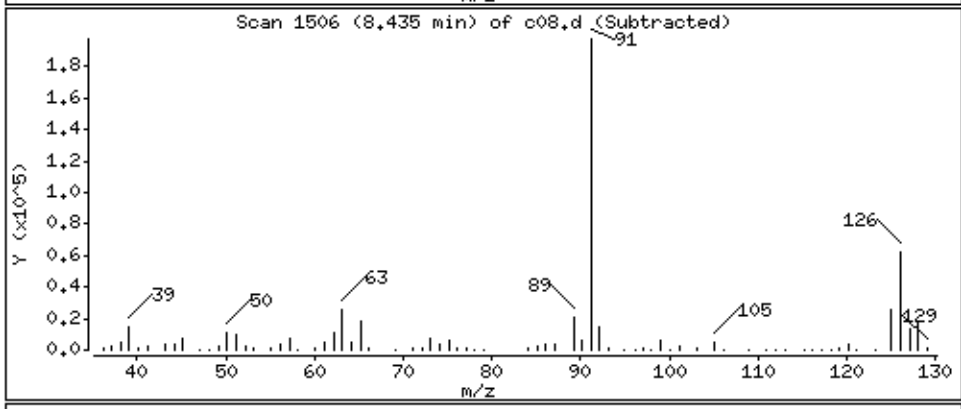
Column diameter: 0.18

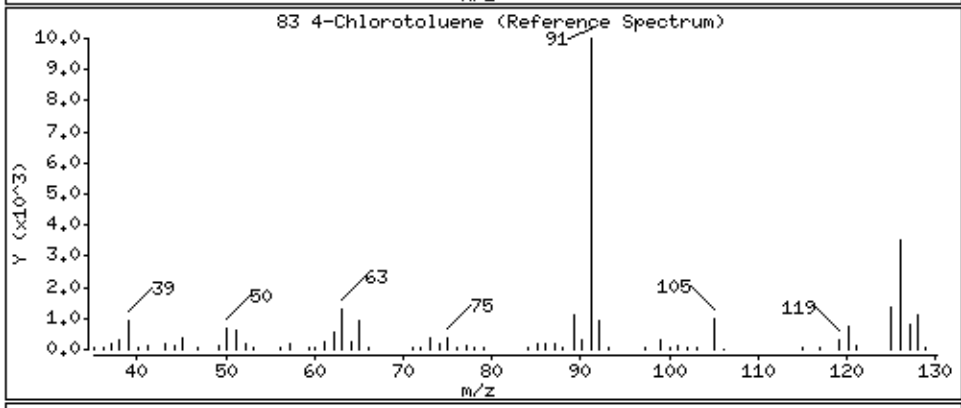
83 4-Chlorotoluene

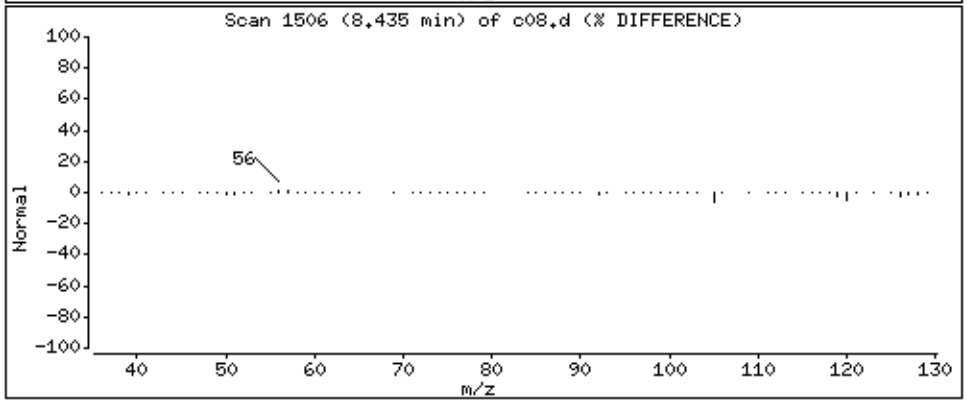
Concentration: 28.2 ppb

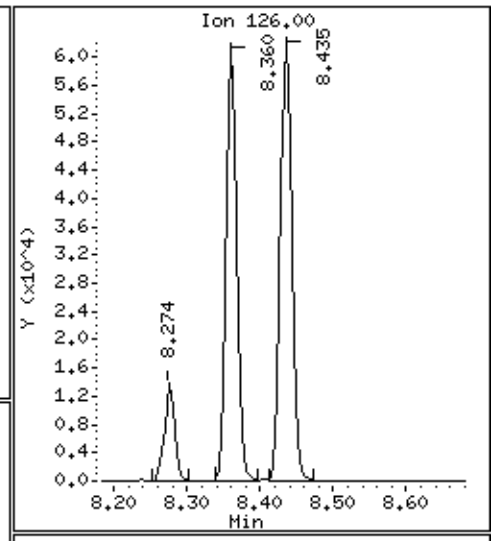
Review Code:

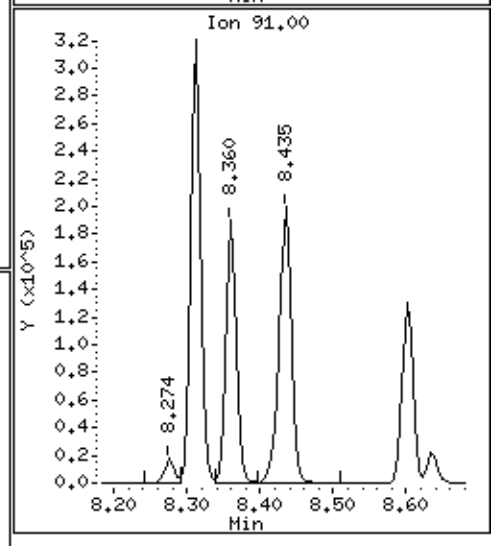












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

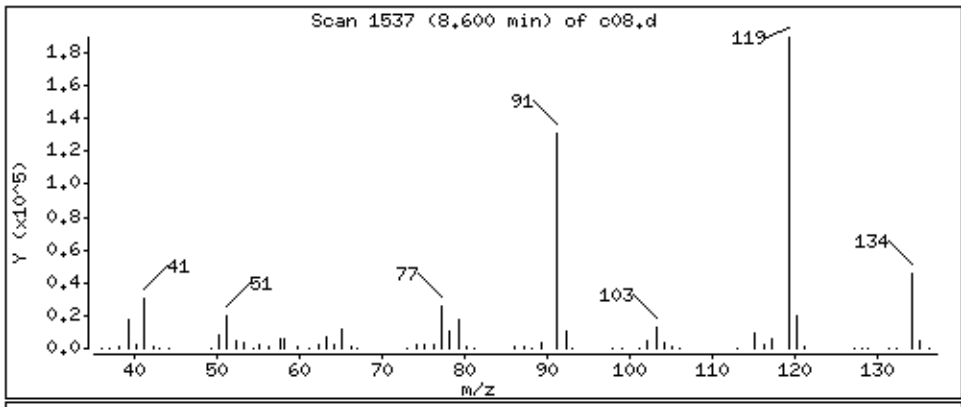
Column phase: DB-624

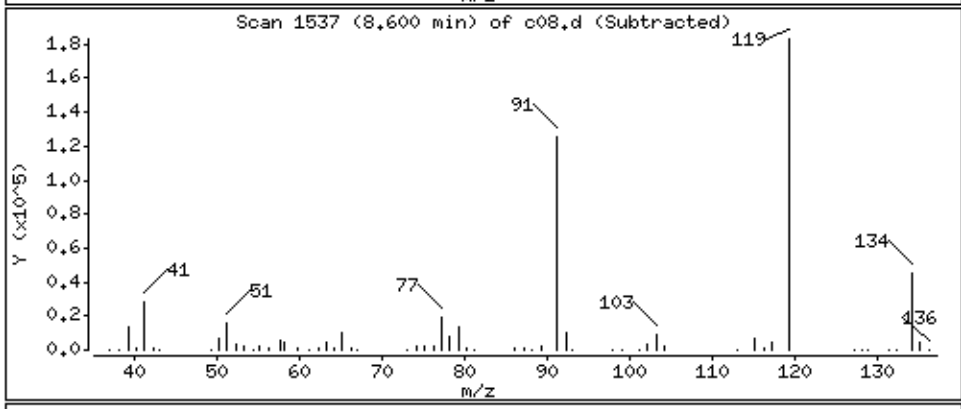
Column diameter: 0.18

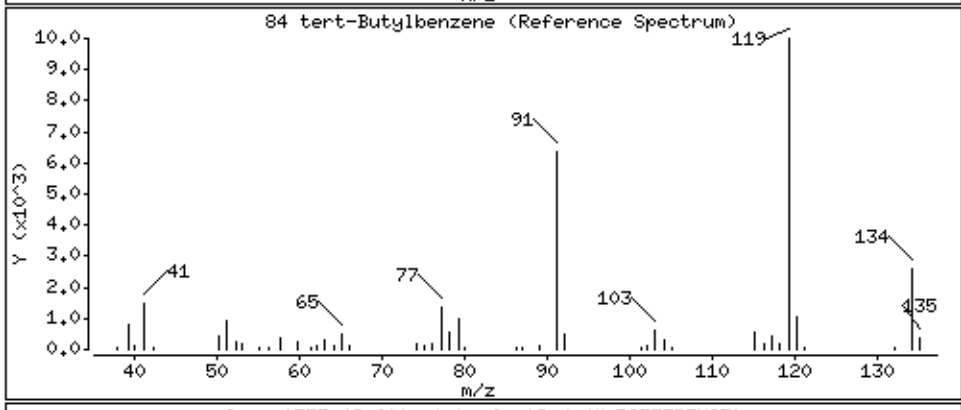
84 tert-Butylbenzene

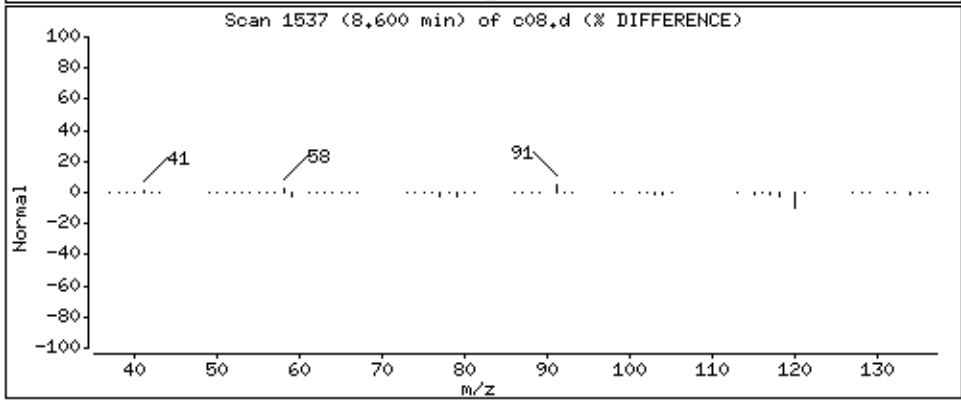
Concentration: 22.0 ppb

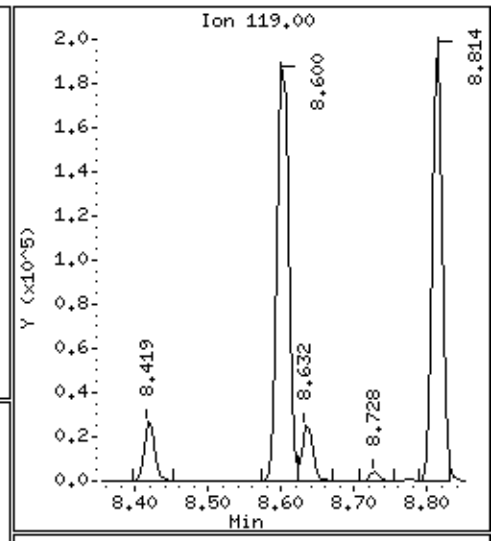
Review Code:

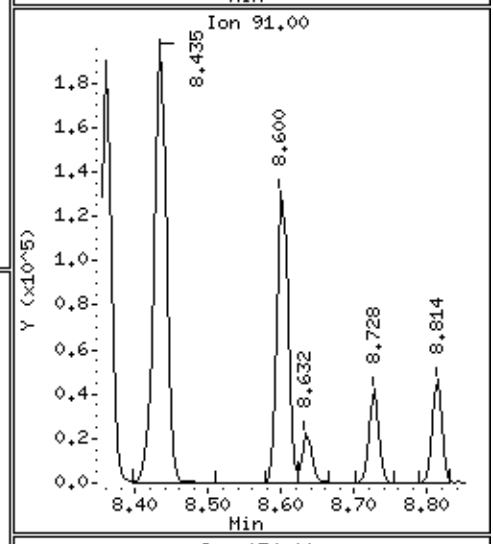


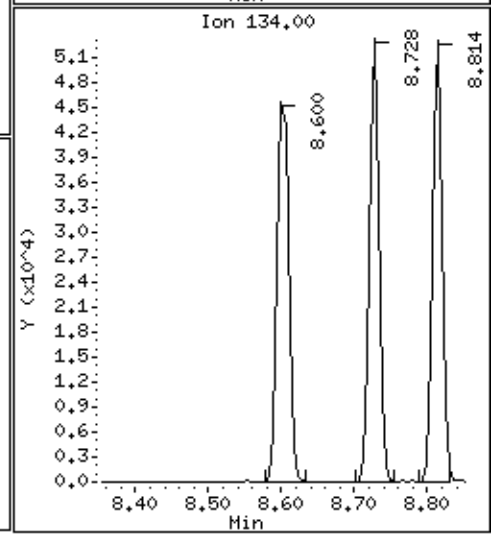












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

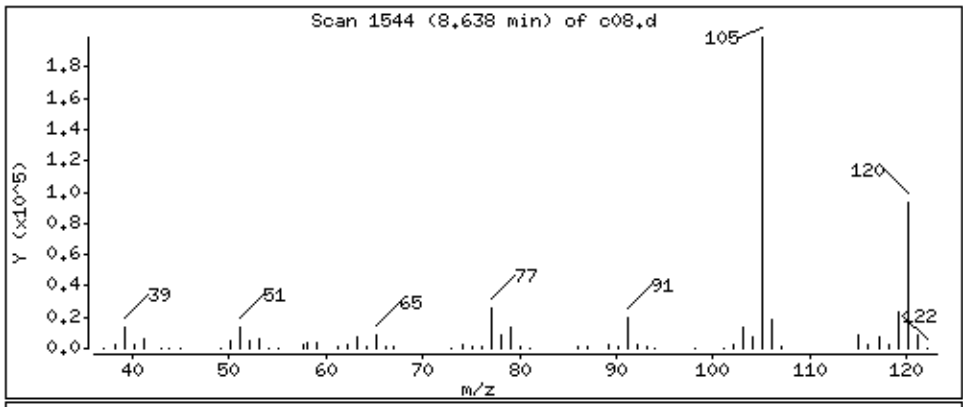
Column phase: DB-624

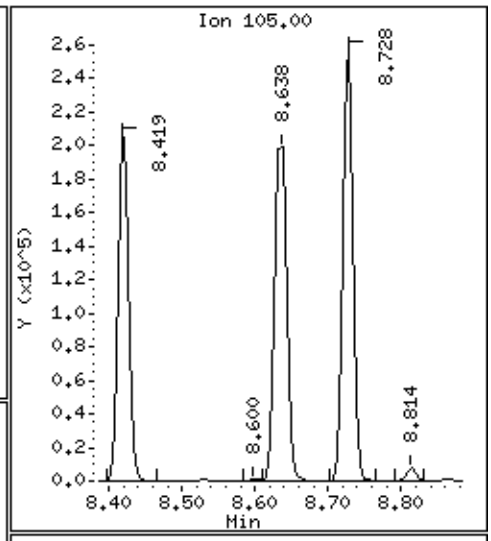
Column diameter: 0.18

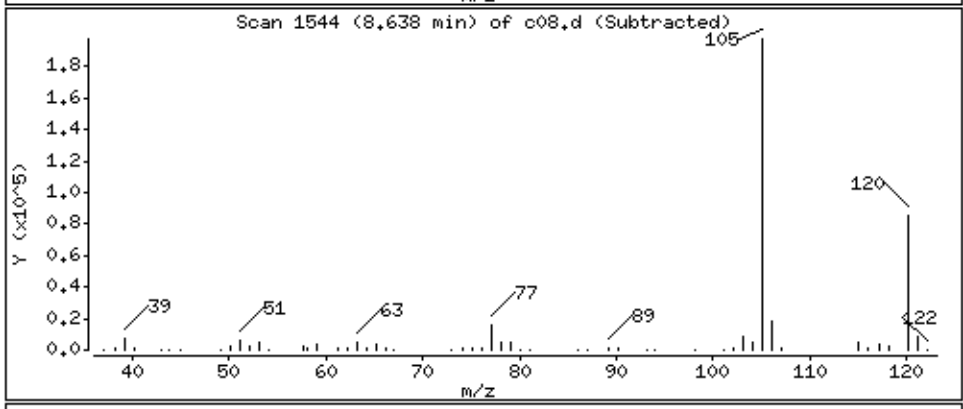
85 1,2,4-Trimethylbenzene

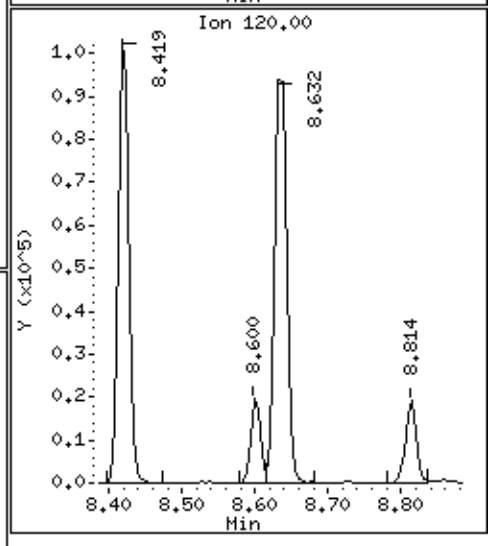
Concentration: 27.9 ppb

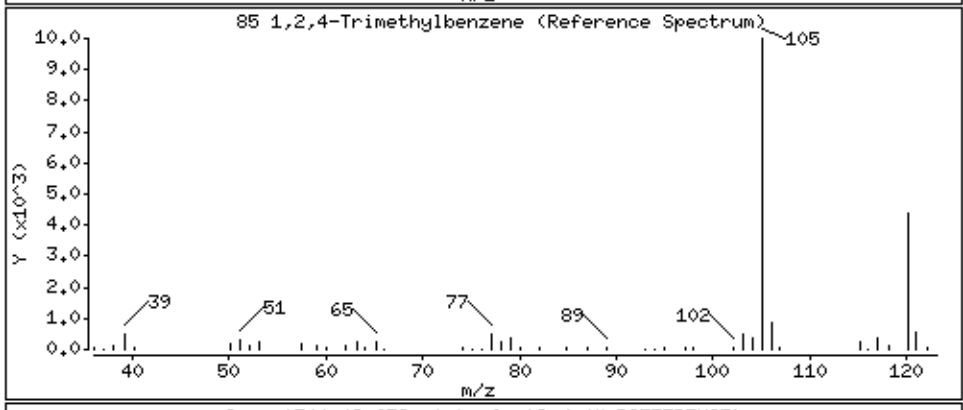
Review Code:

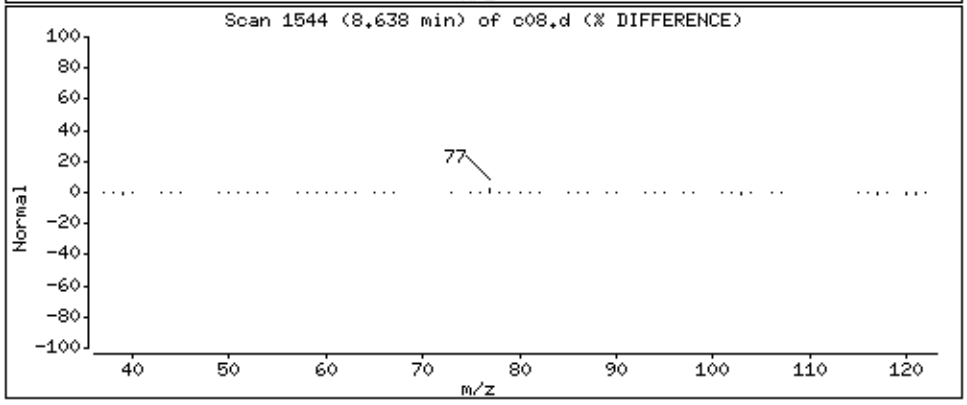












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

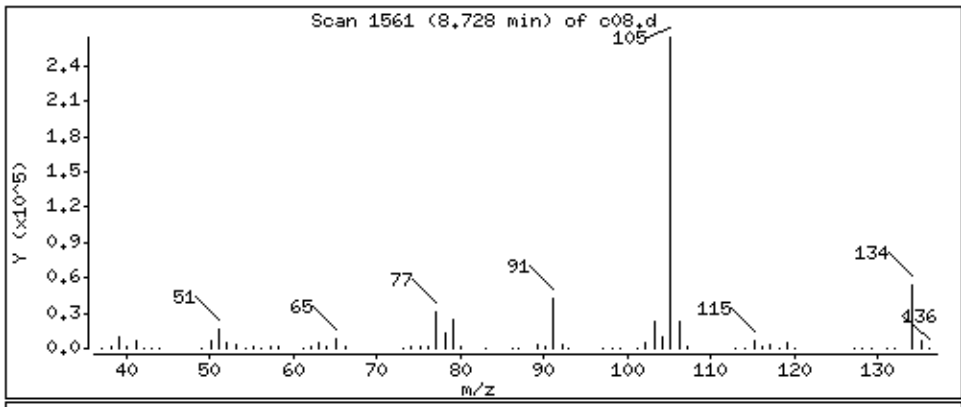
Column phase: DB-624

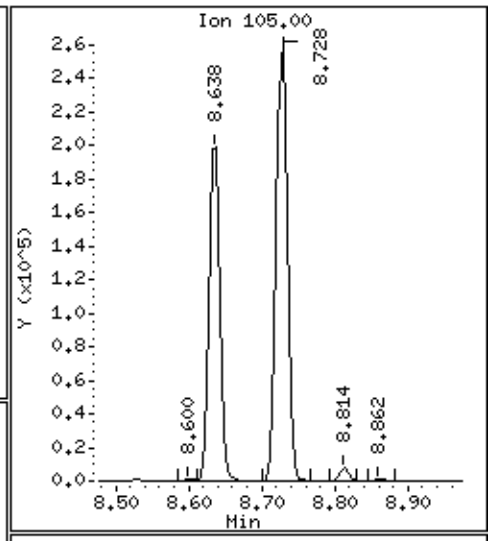
Column diameter: 0.18

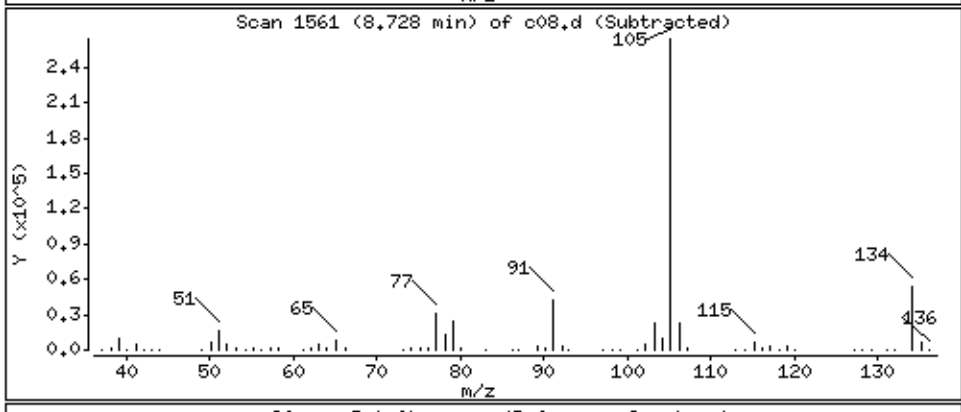
86 sec-Butylbenzene

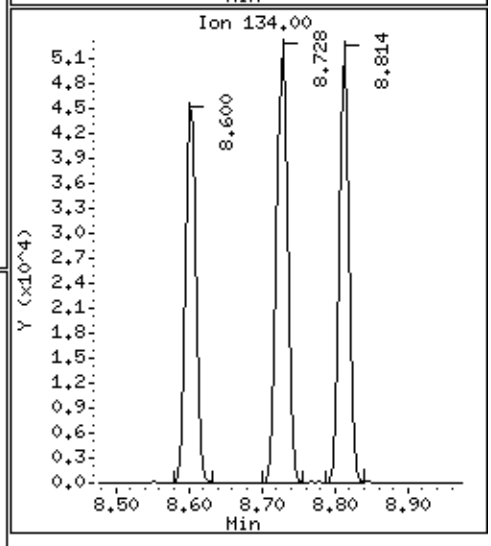
Concentration: 24.7 ppb

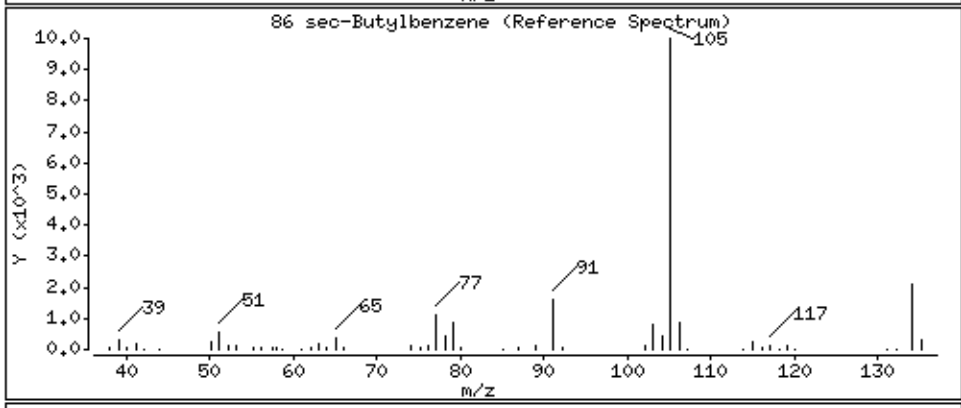
Review Code:

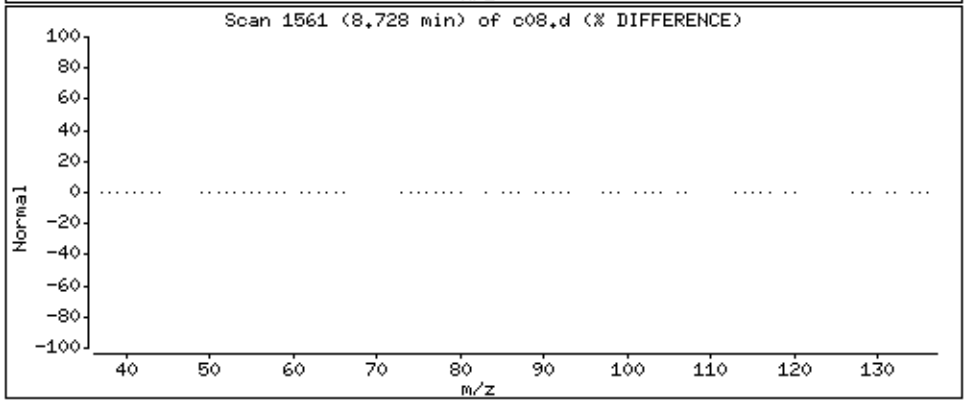












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

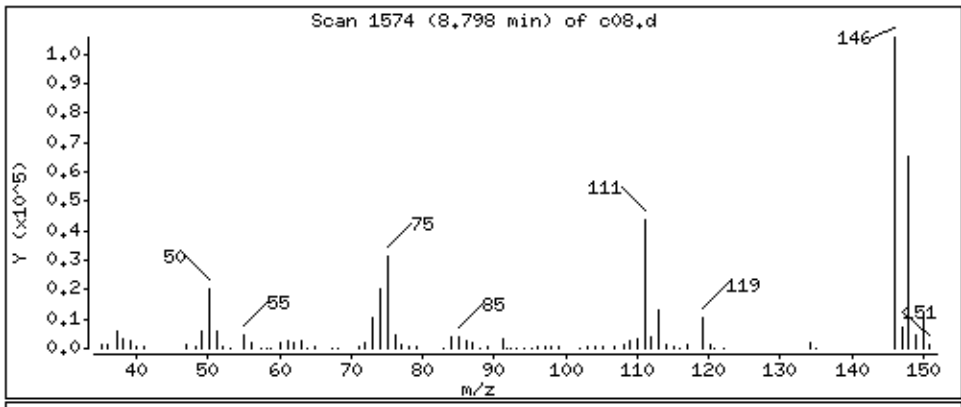
Column phase: DB-624

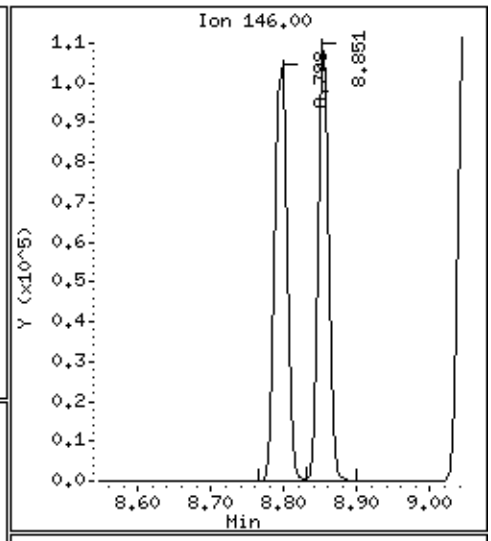
Column diameter: 0.18

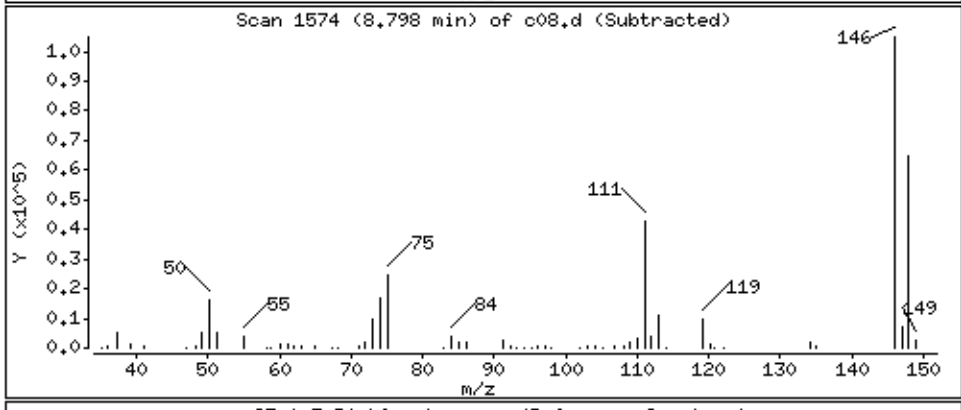
87 1,3-Dichlorobenzene

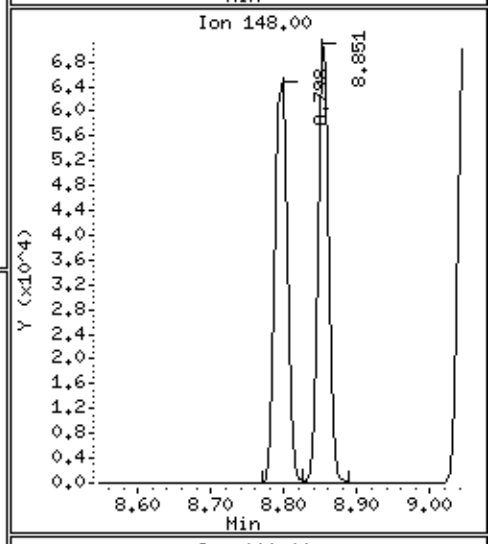
Concentration: 28.1 ppb

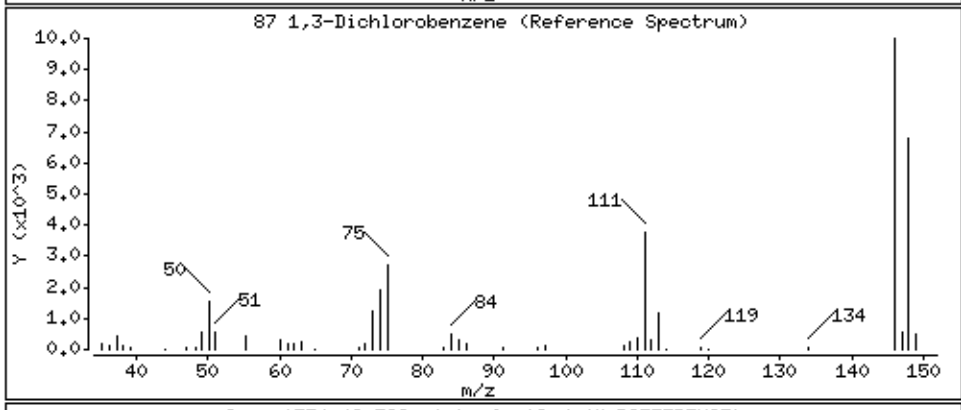
Review Code:

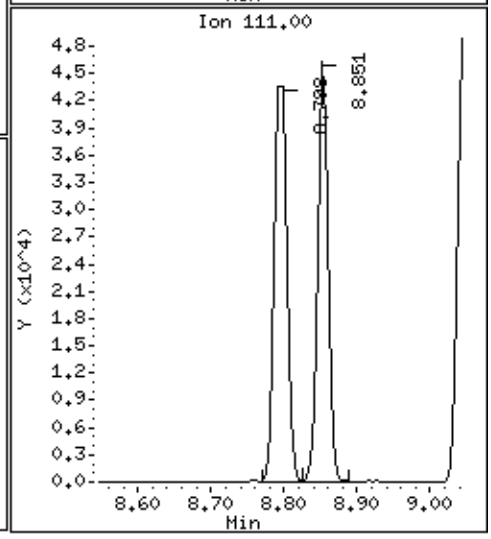


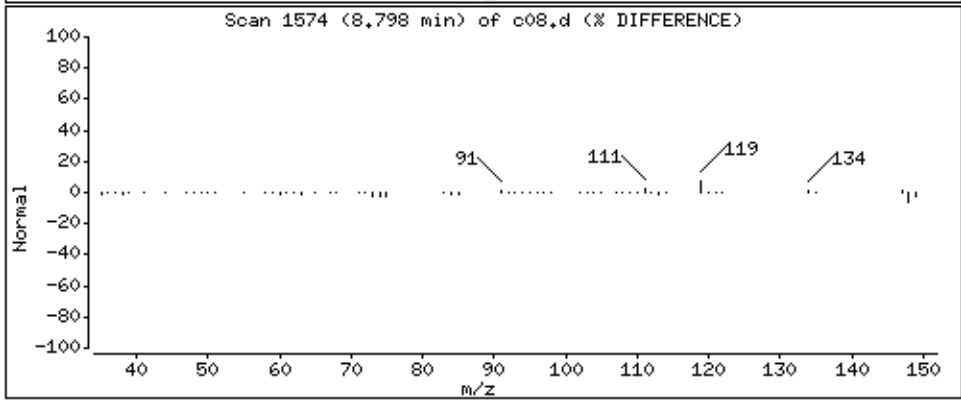












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

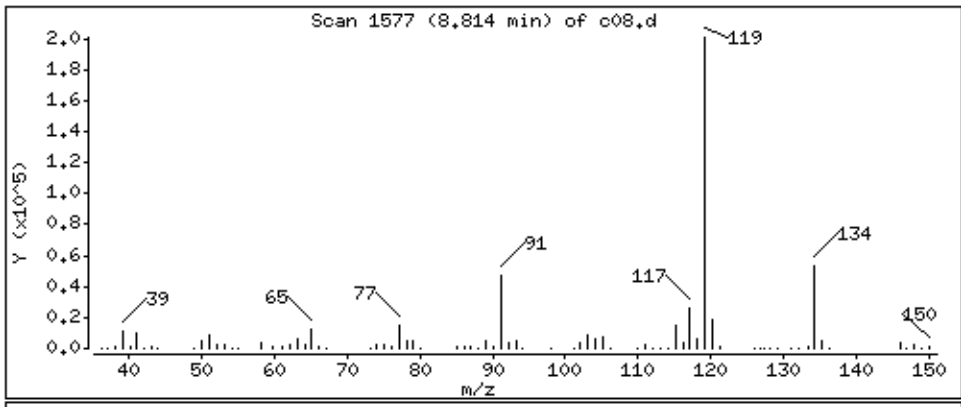
Column phase: DB-624

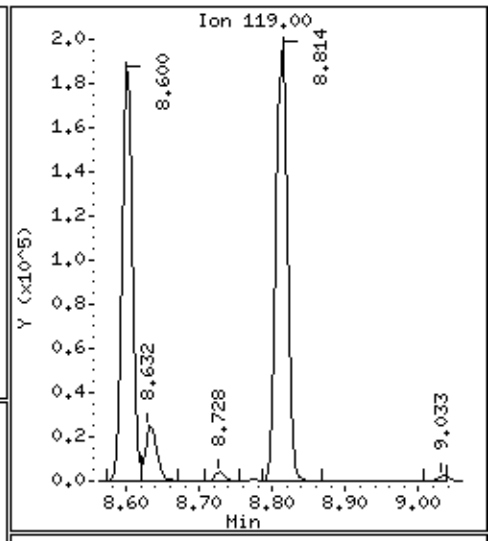
Column diameter: 0.18

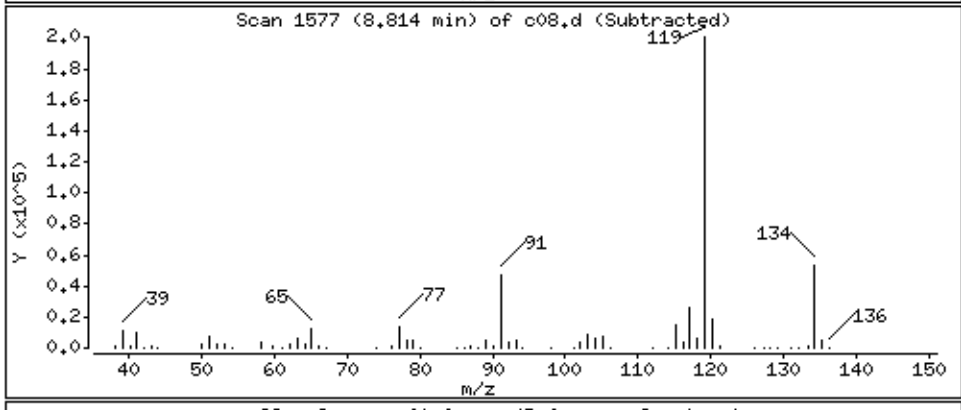
88 p-Isopropyltoluene

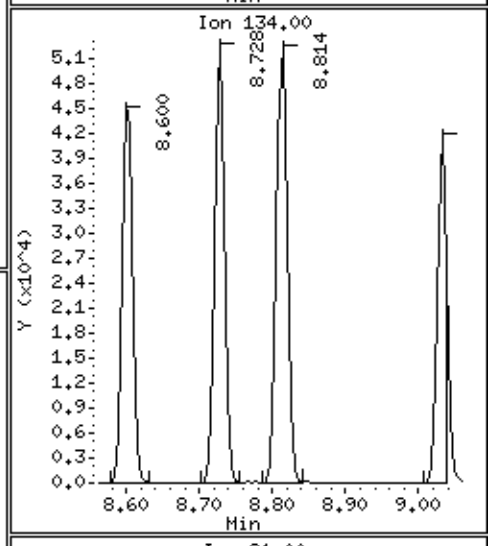
Concentration: 22.7 ppb

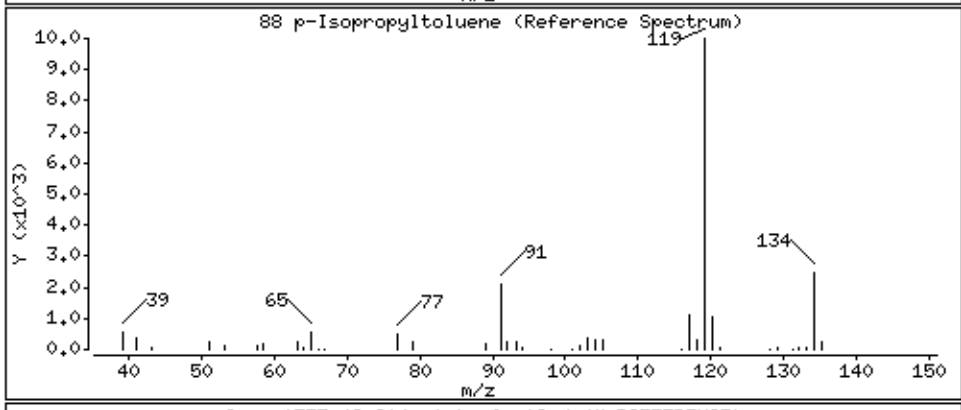
Review Code:

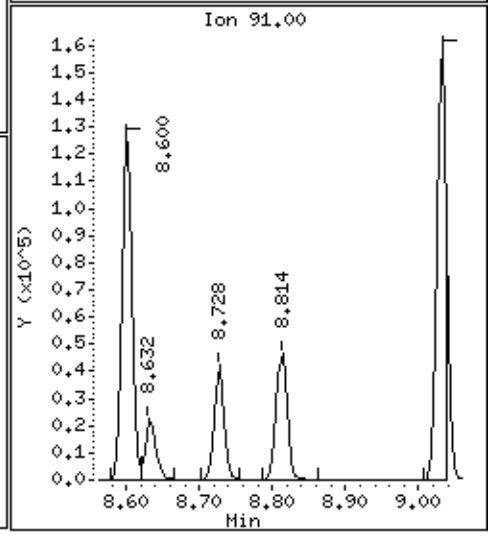


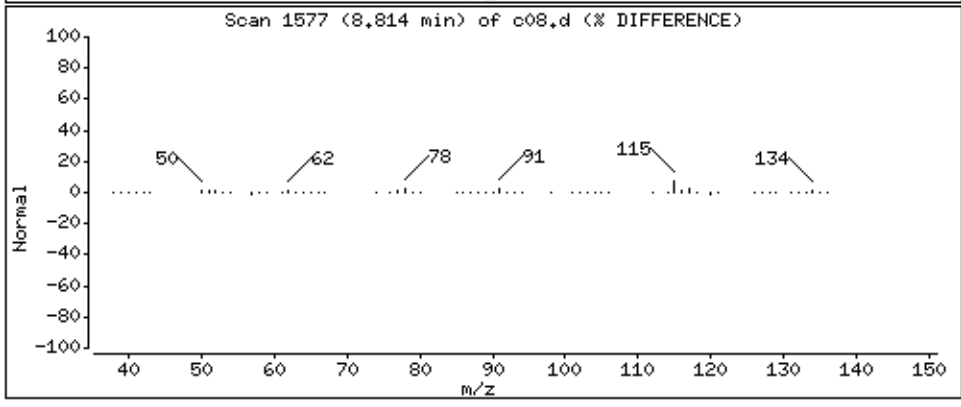












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

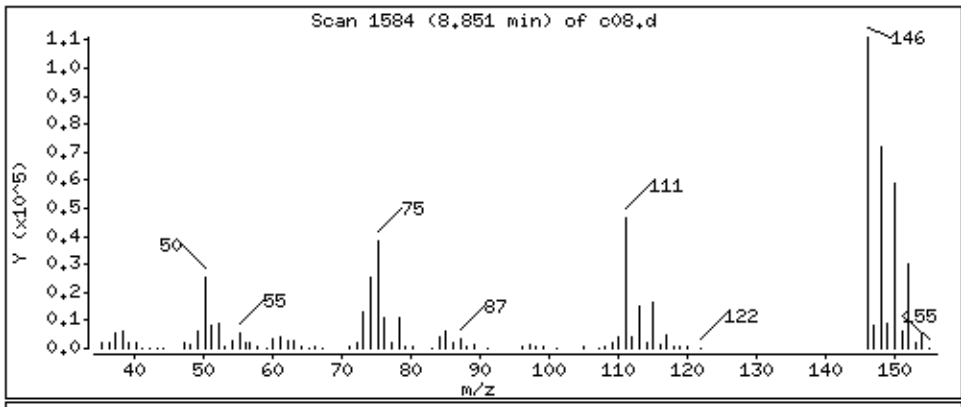
Column phase: DB-624

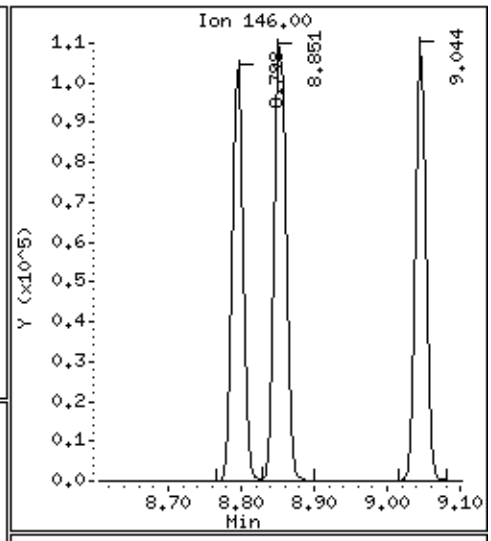
Column diameter: 0.18

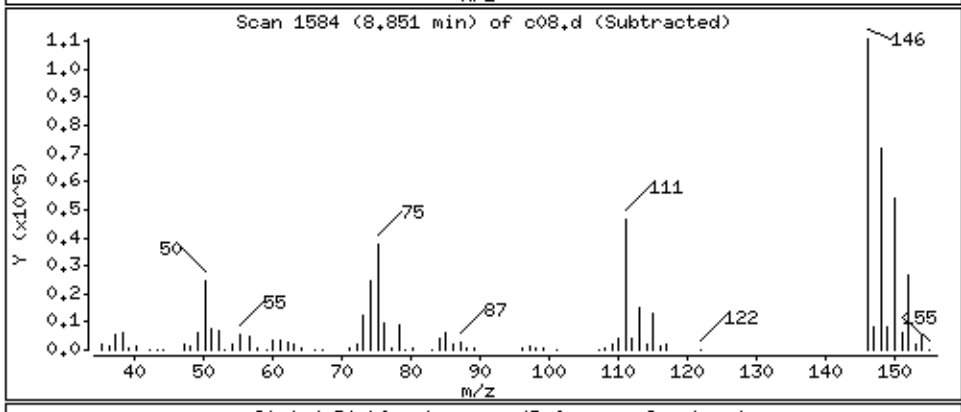
90 1,4-Dichlorobenzene

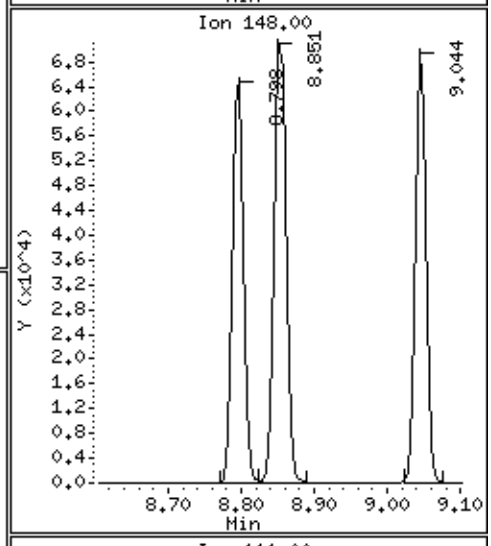
Concentration: 27.3 ppb

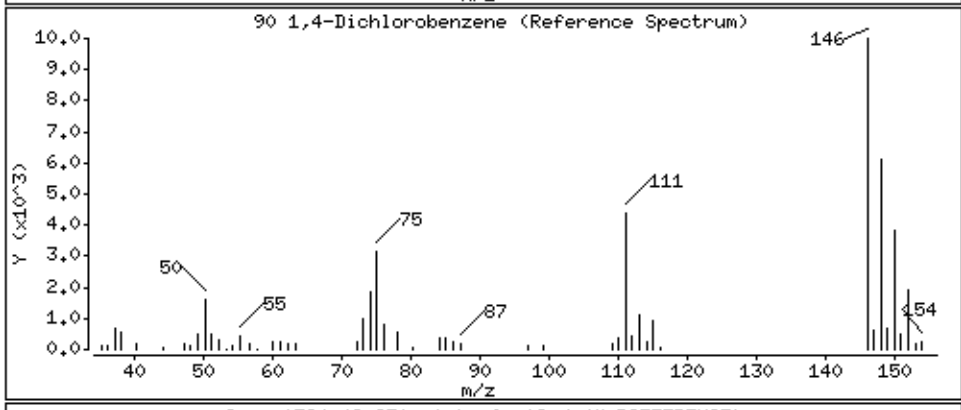
Review Code:

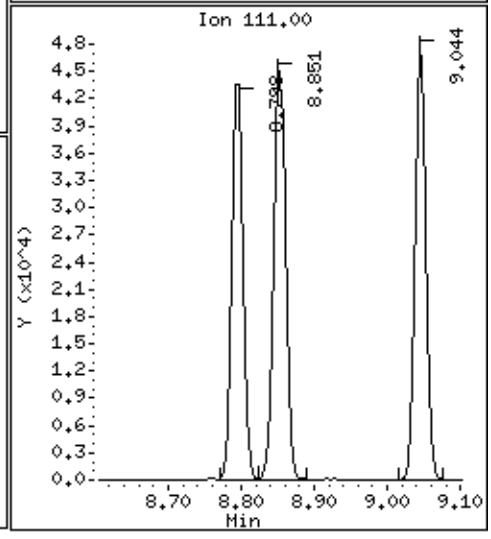


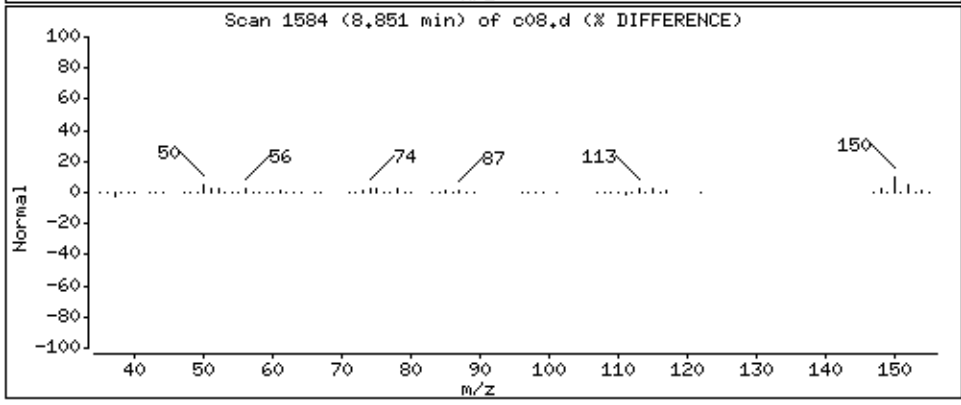












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

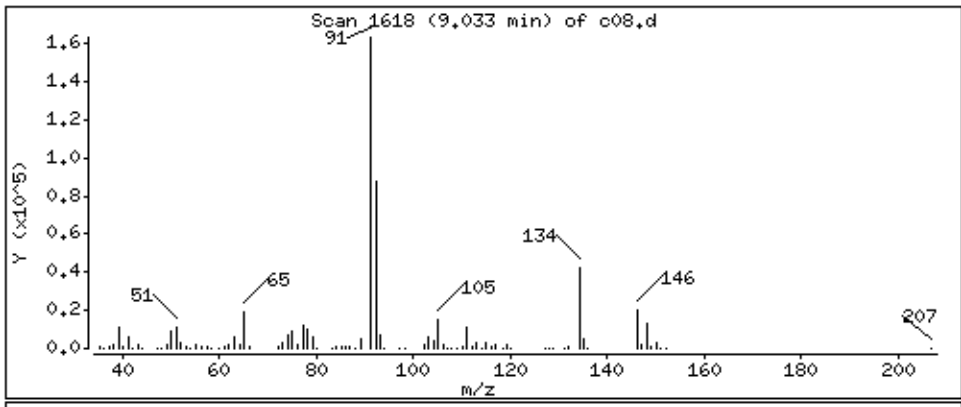
Column phase: DB-624

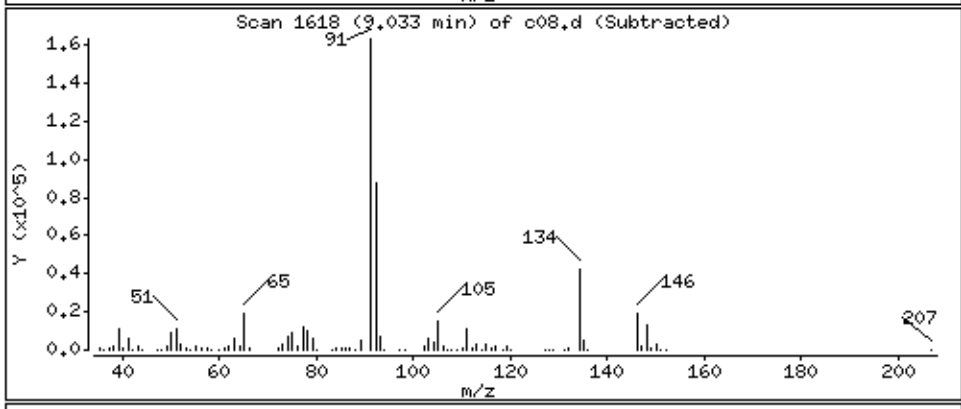
Column diameter: 0.18

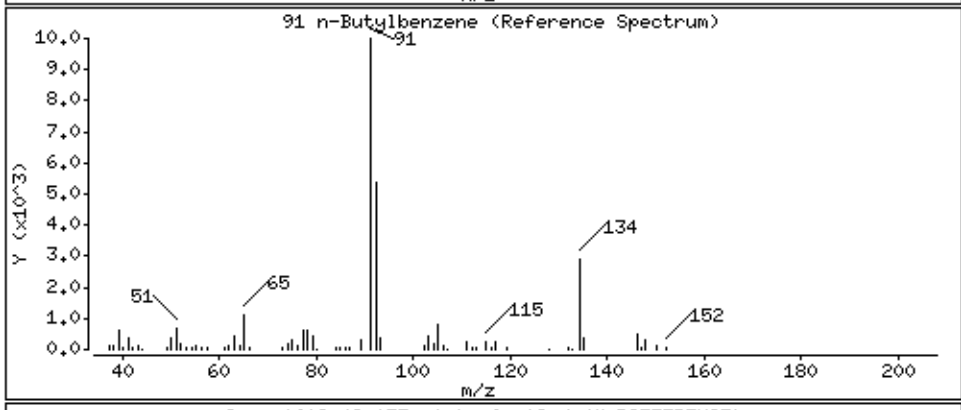
91 n-Butylbenzene

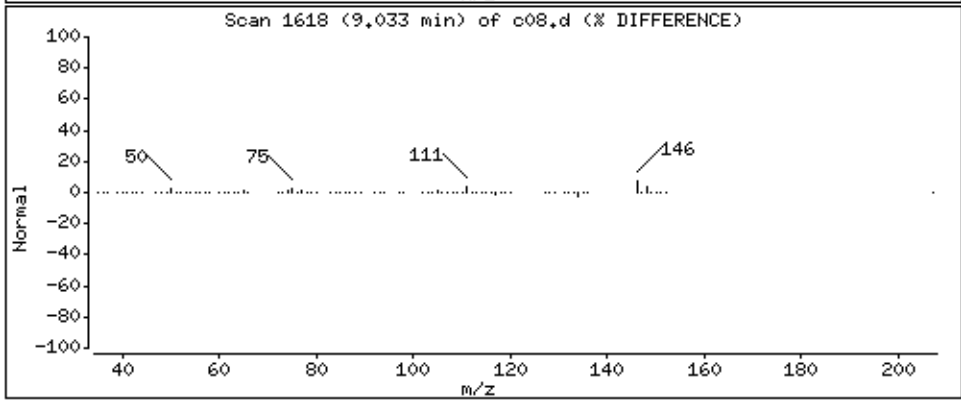
Concentration: 19.9 ppb

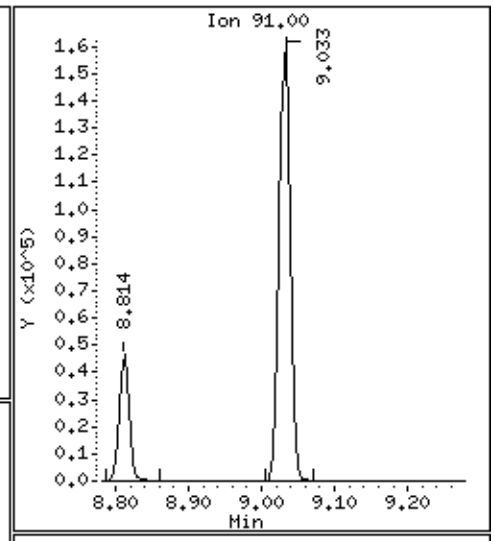
Review Code:

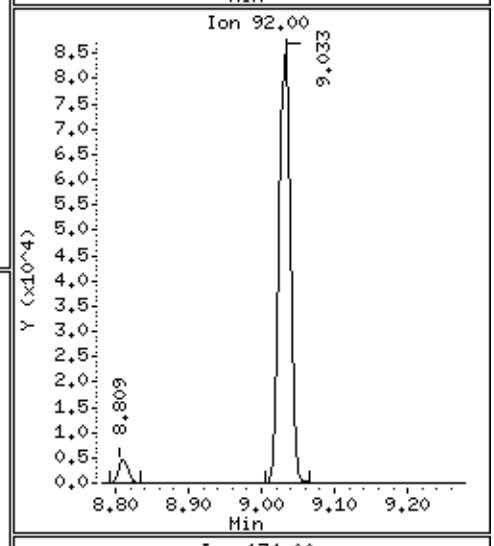


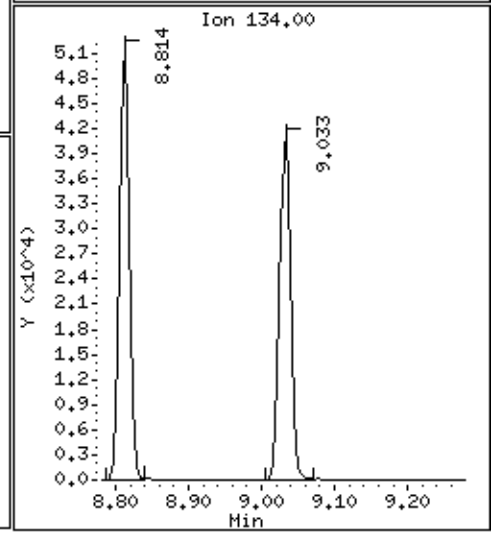












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Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

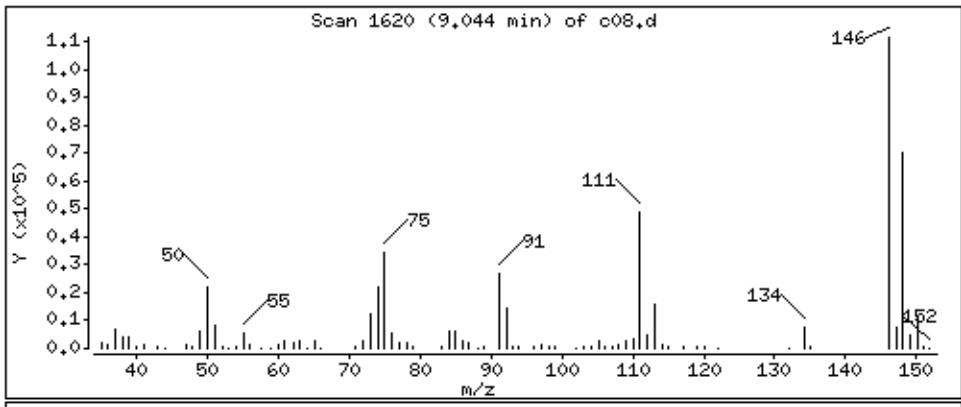
Column phase: DB-624

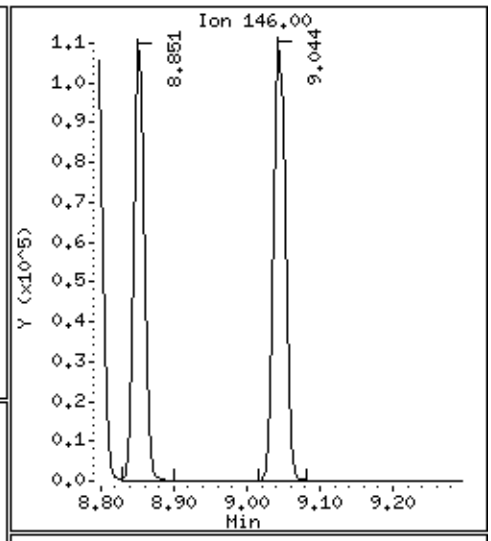
Column diameter: 0.18

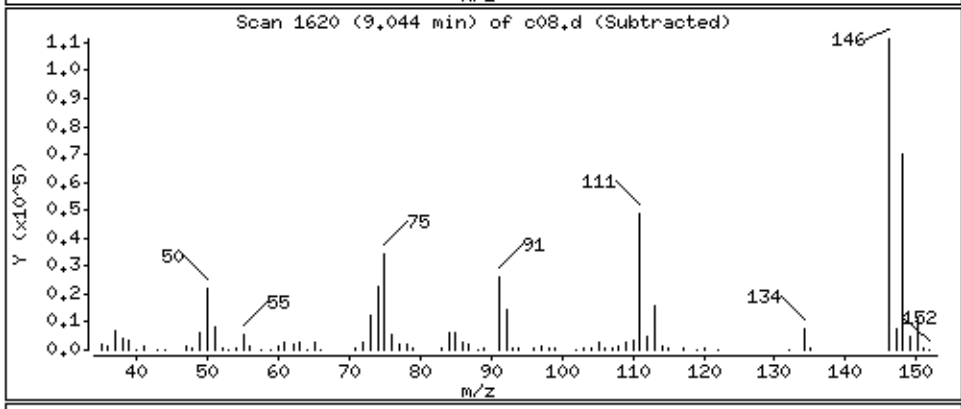
92 1,2-Dichlorobenzene

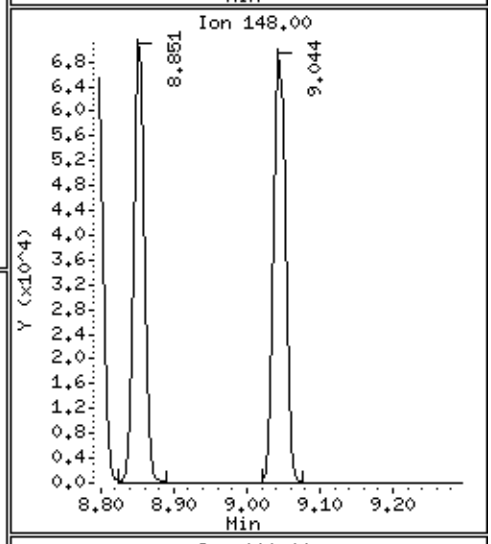
Concentration: 31.3 ppb

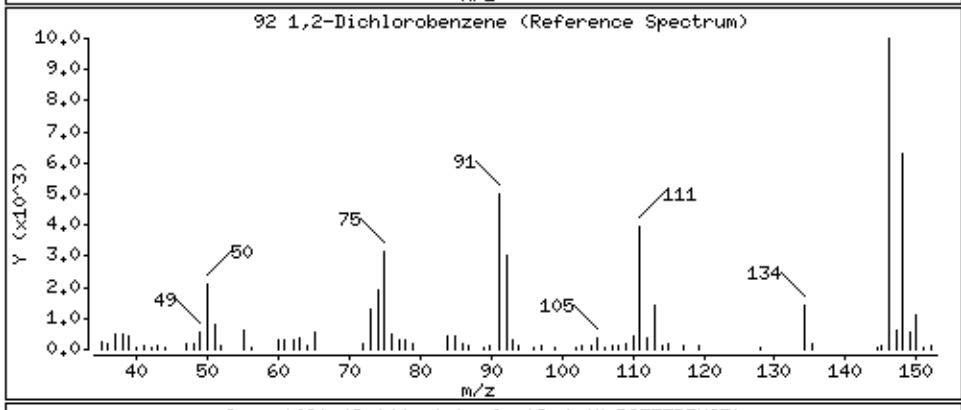
Review Code:

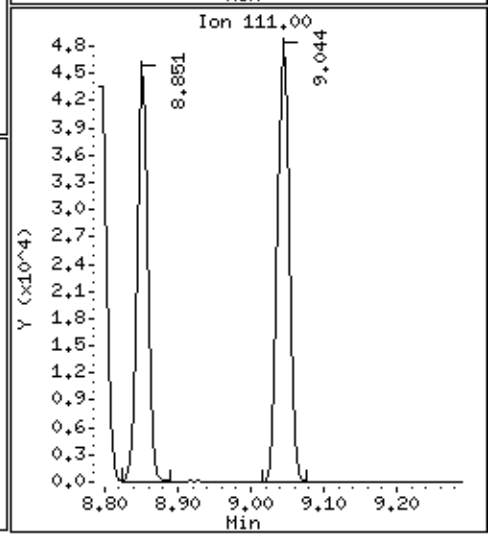


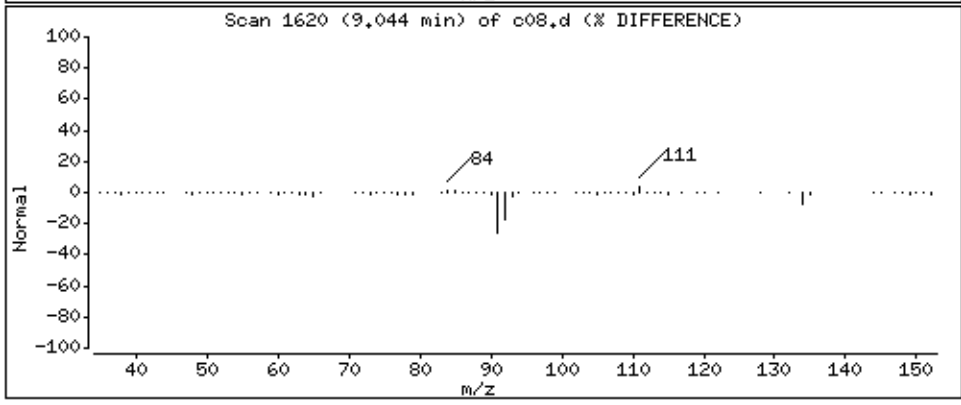












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Page 90

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

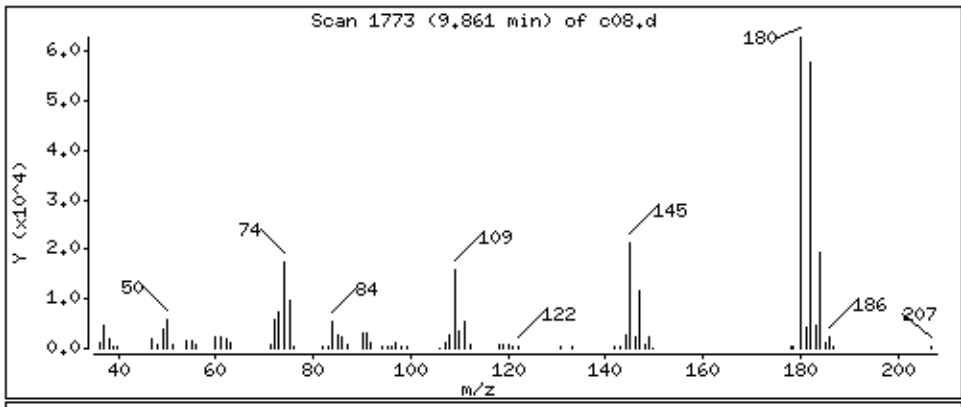
Column phase: DB-624

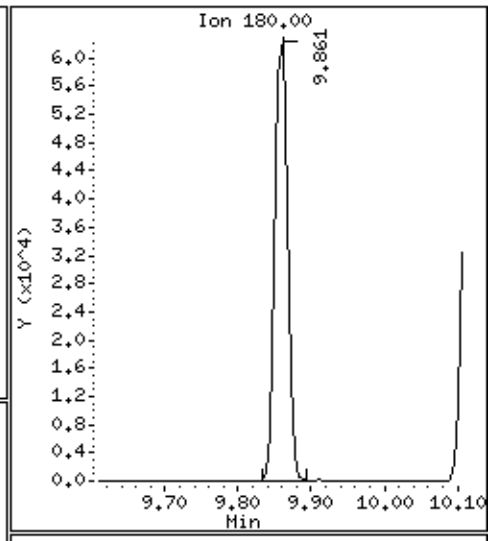
Column diameter: 0.18

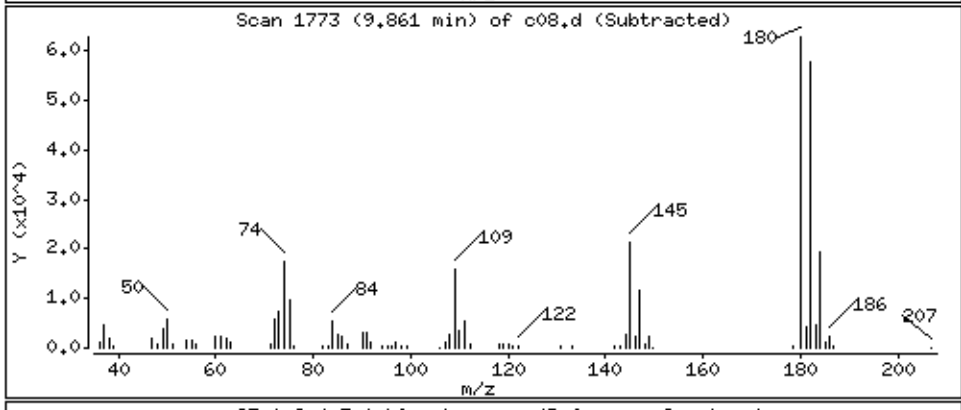
93 1,2,4-Trichlorobenzene

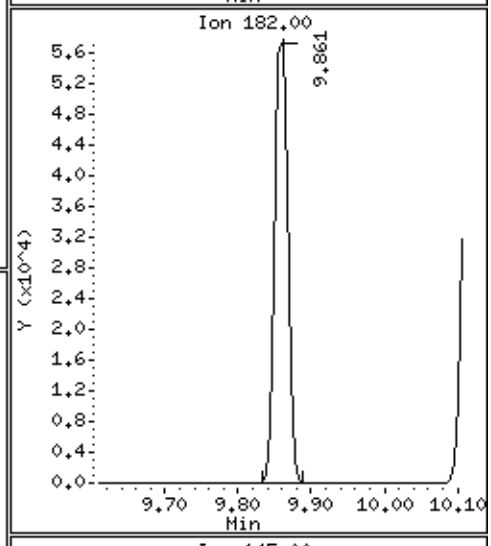
Concentration: 29.0 ppb

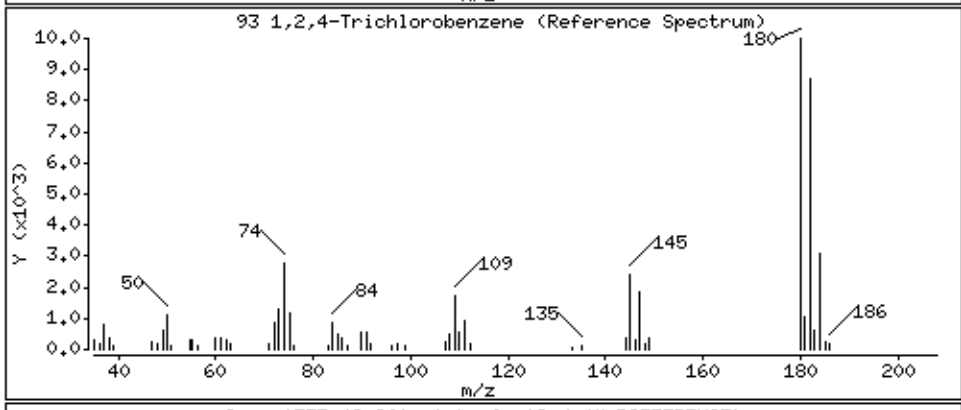
Review Code:

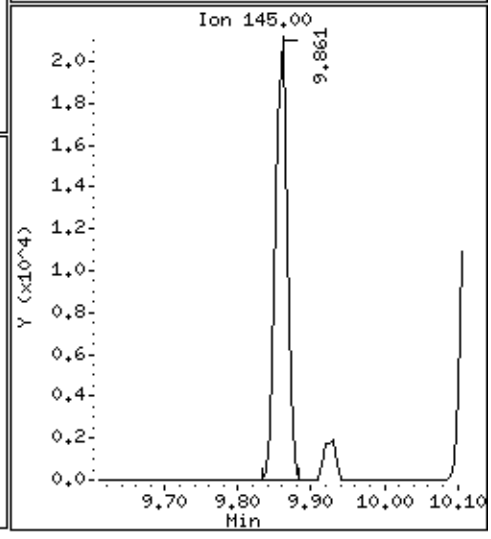


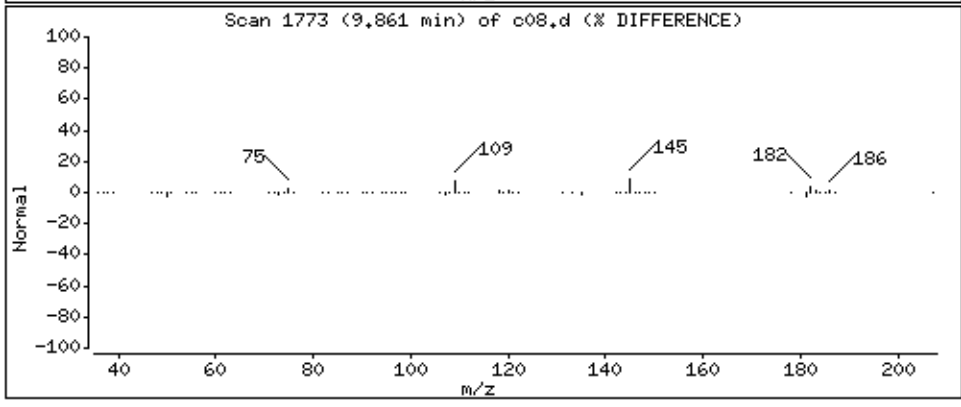












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

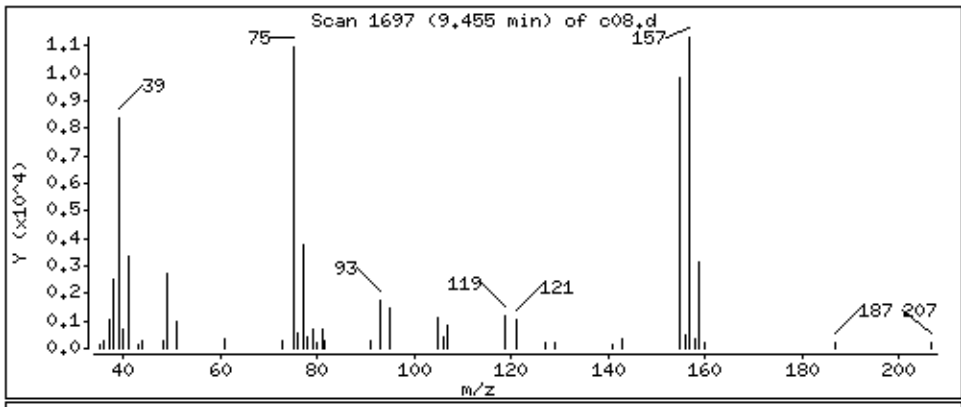
Column phase: DB-624

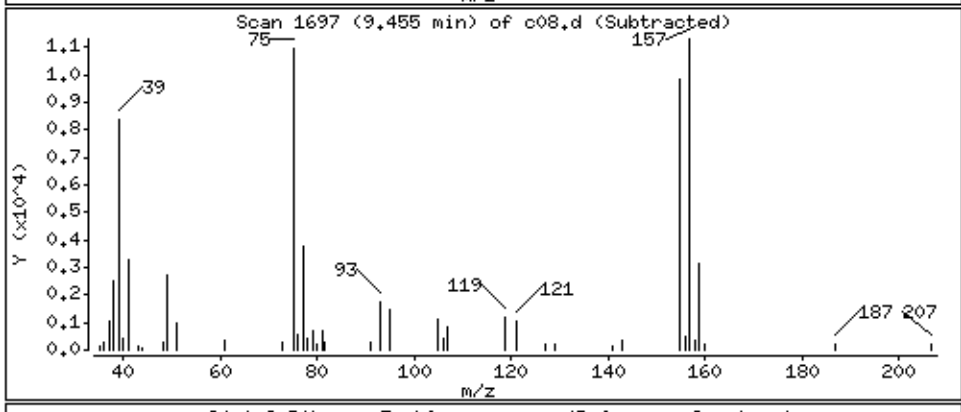
Column diameter: 0.18

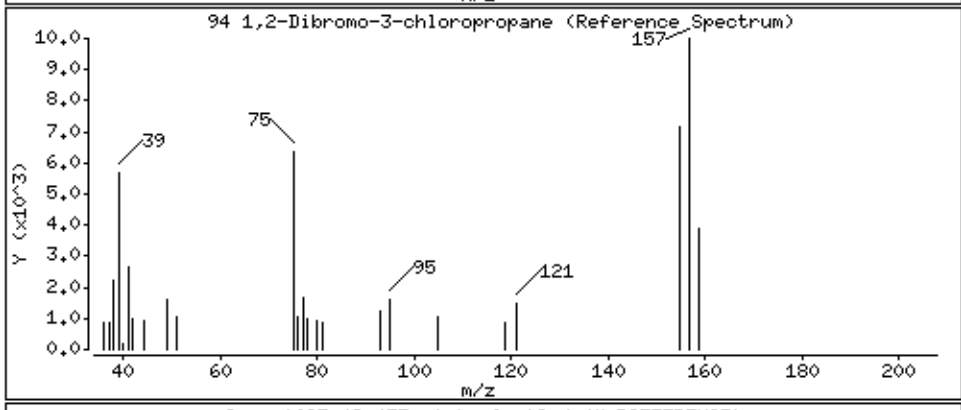
94 1,2-Dibromo-3-chloropropane

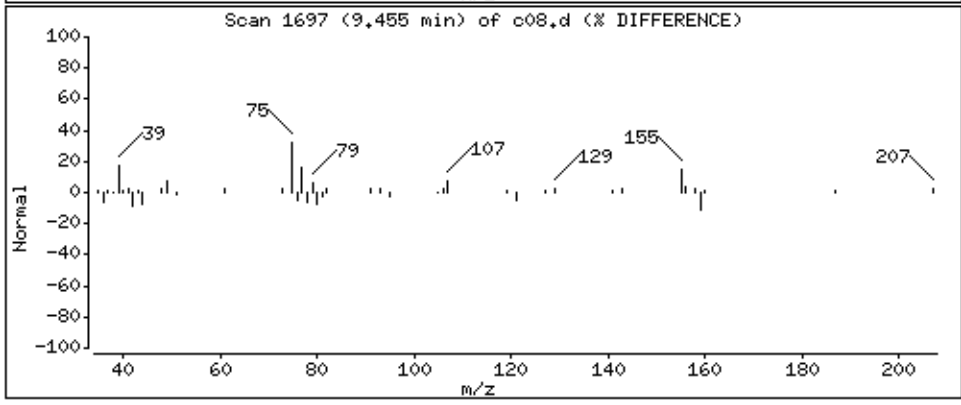
Concentration: 52.4 ppb

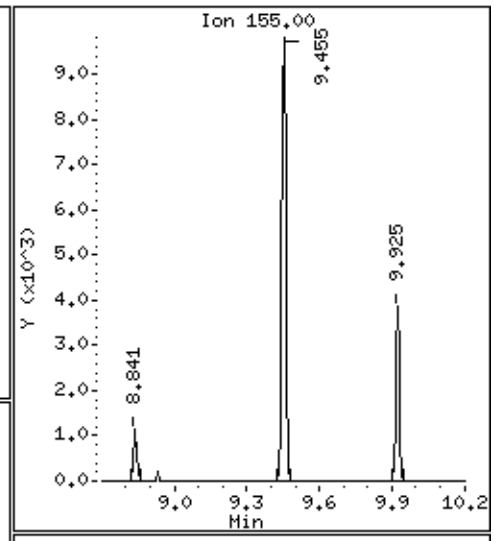
Review Code:

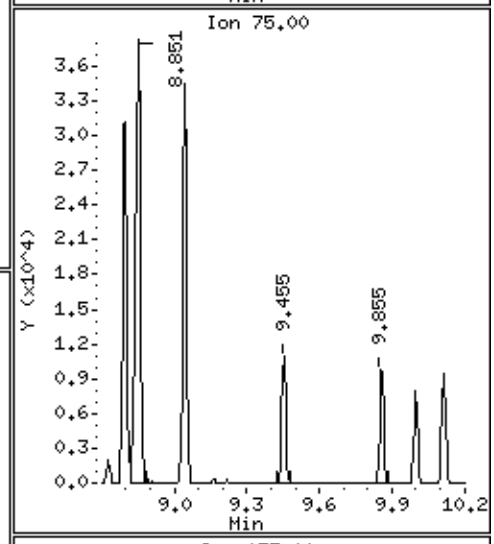


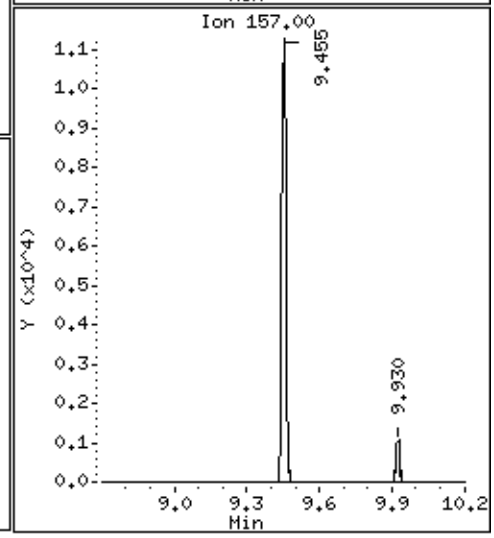












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

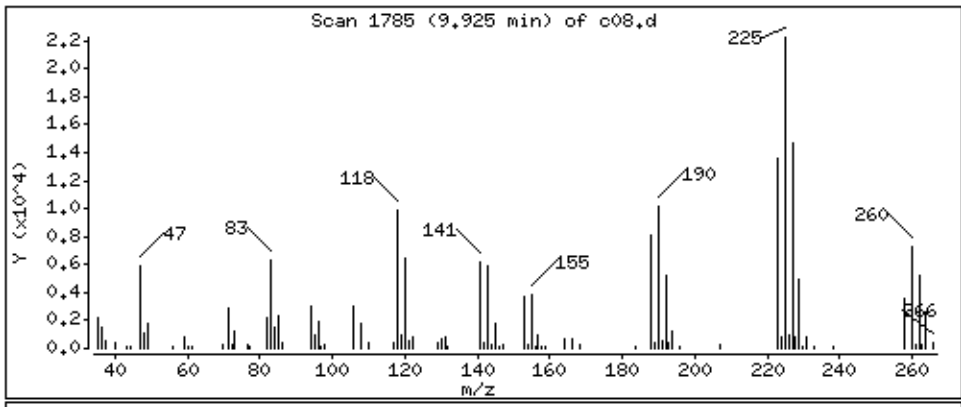
Column phase: DB-624

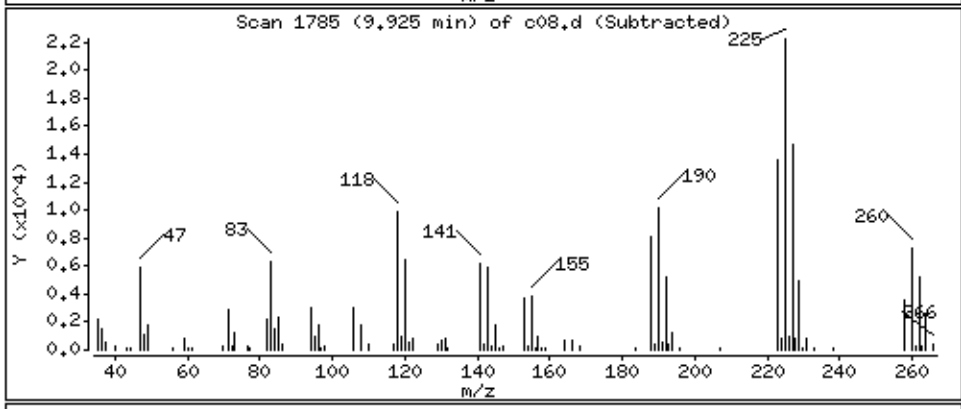
Column diameter: 0.18

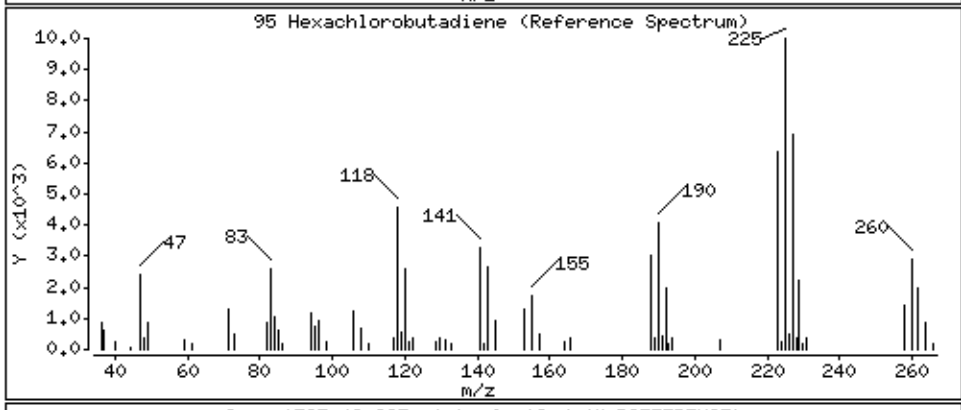
95 Hexachlorobutadiene

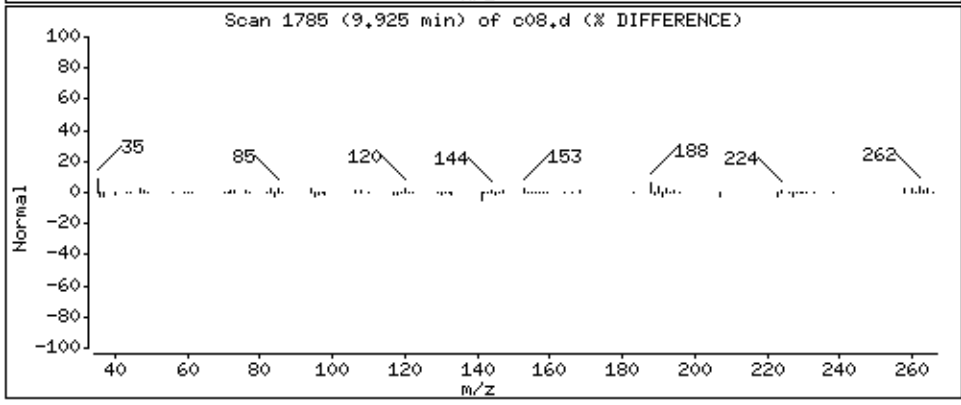
Concentration: 16.9 ppb

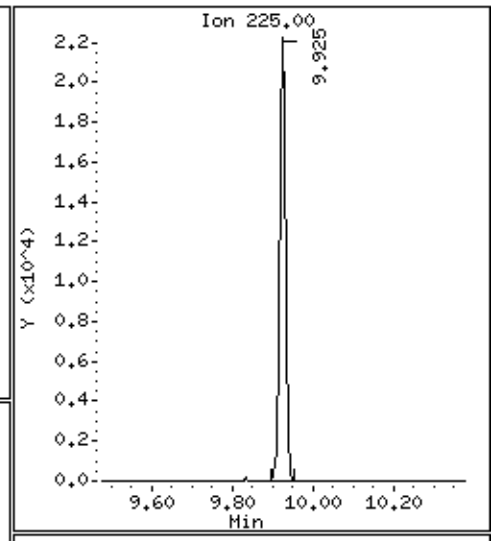
Review Code:

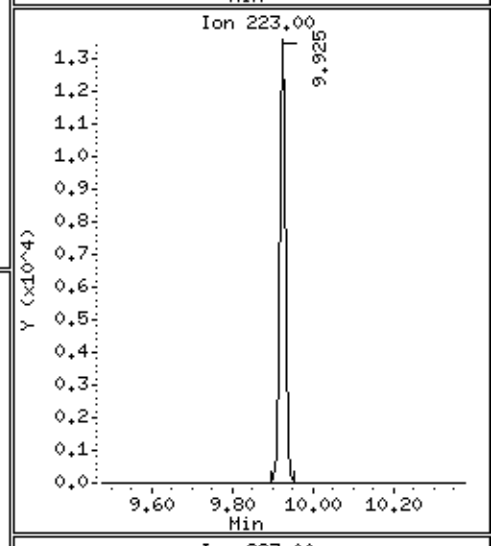


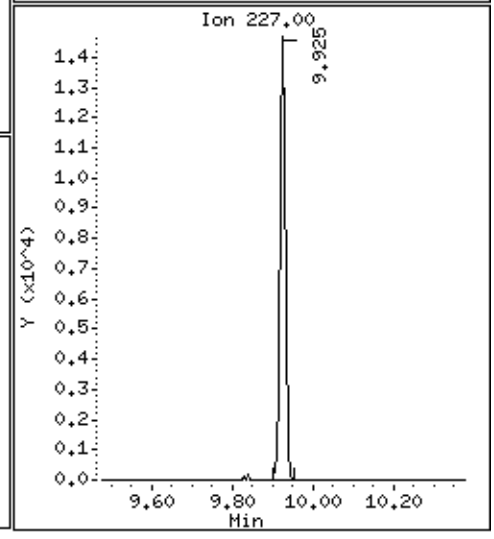












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

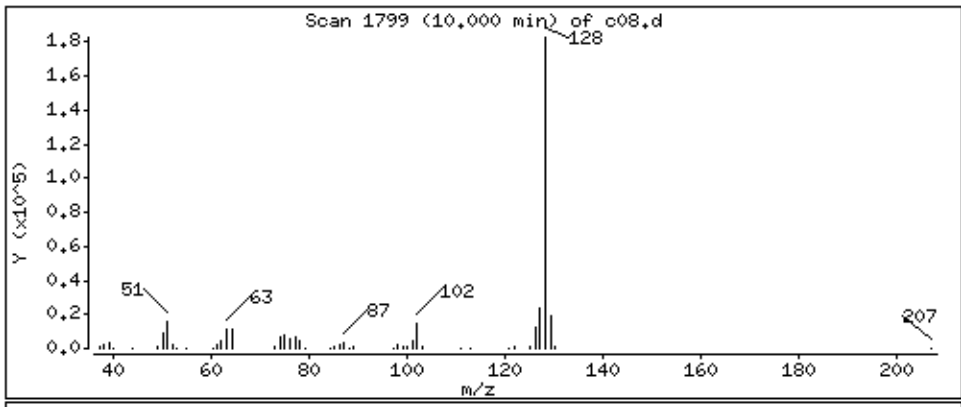
Column phase: DB-624

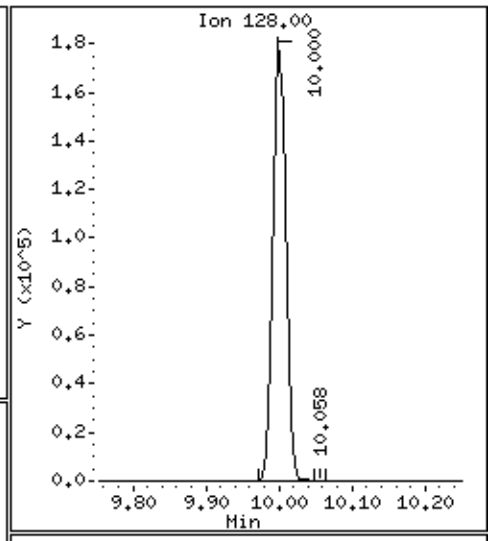
Column diameter: 0.18

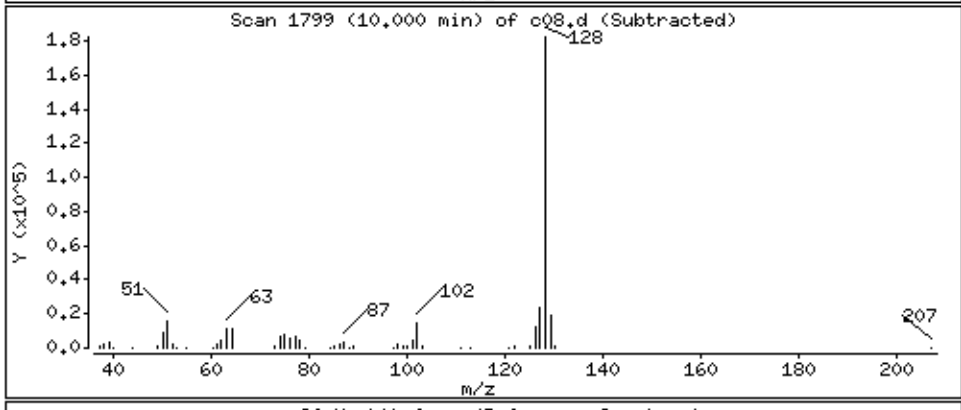
96 Naphthalene

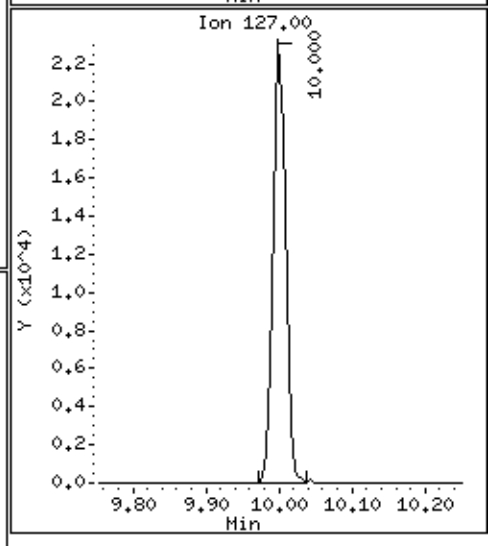
Concentration: 41.4 ppb

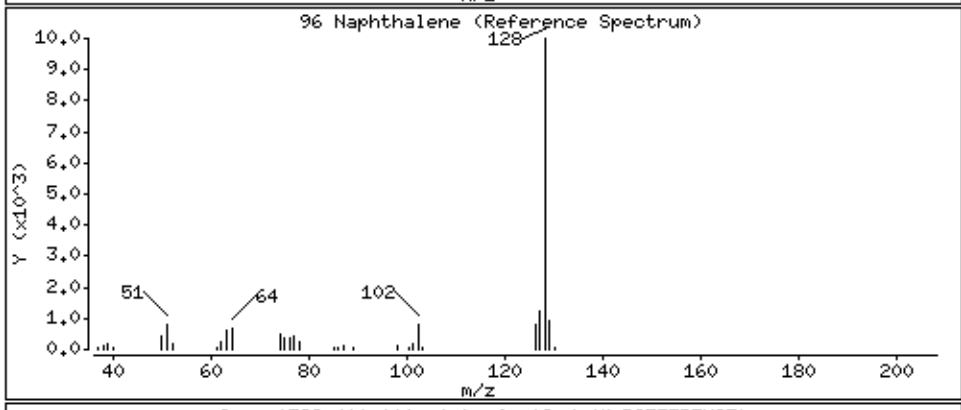
Review Code:

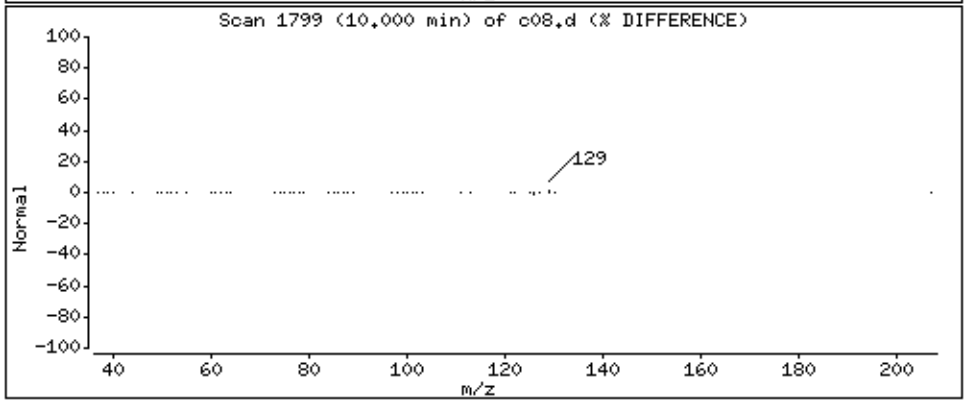












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

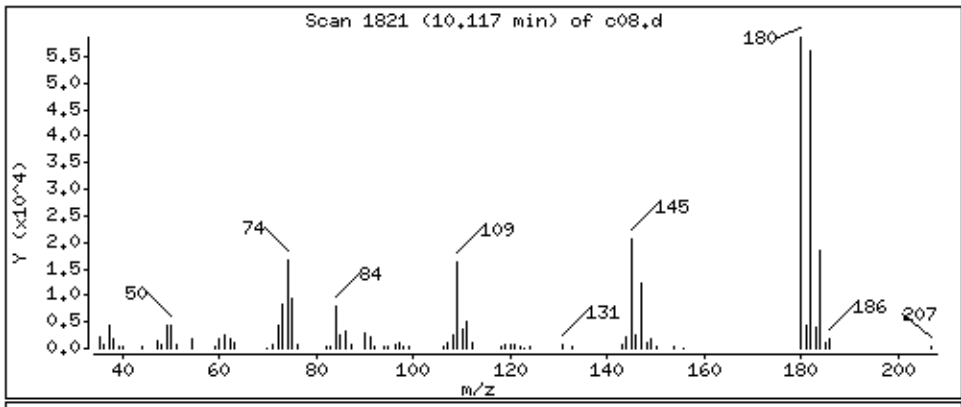
Column phase: DB-624

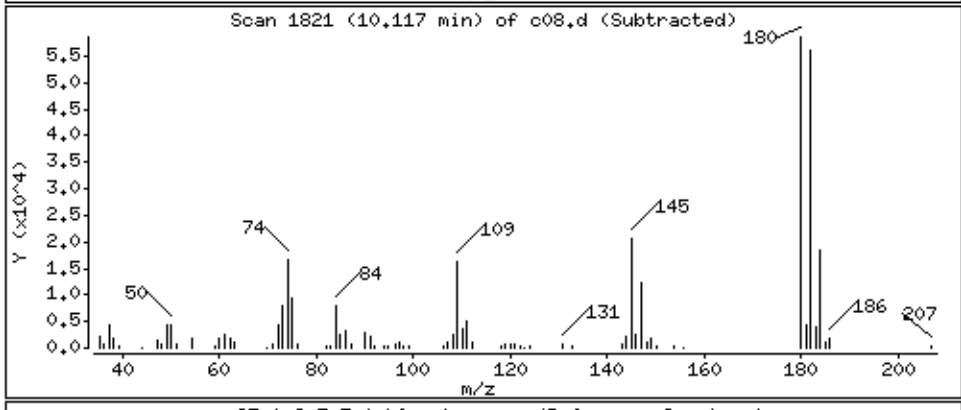
Column diameter: 0.18

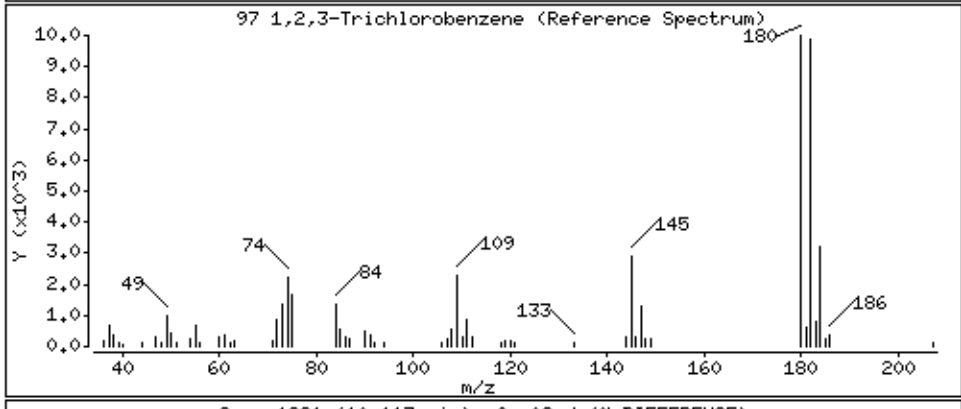
97 1,2,3-Trichlorobenzene

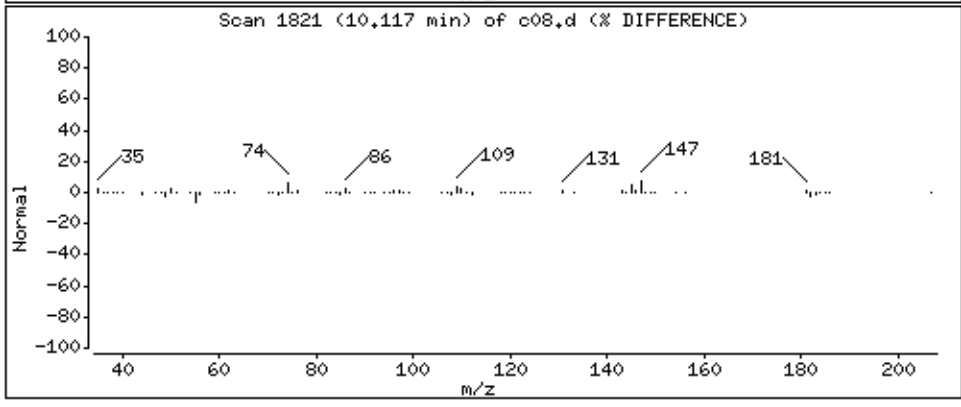
Concentration: 30.8 ppb

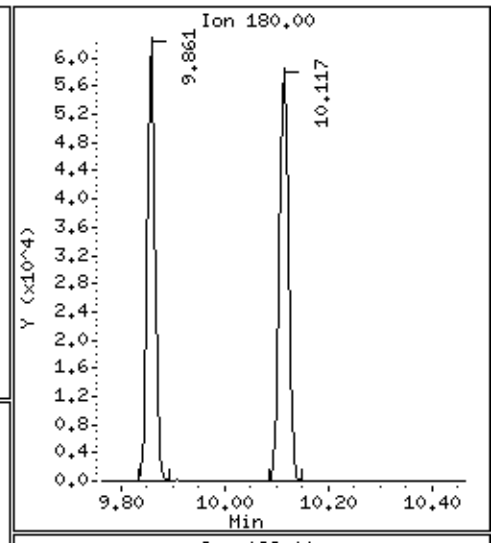
Review Code:

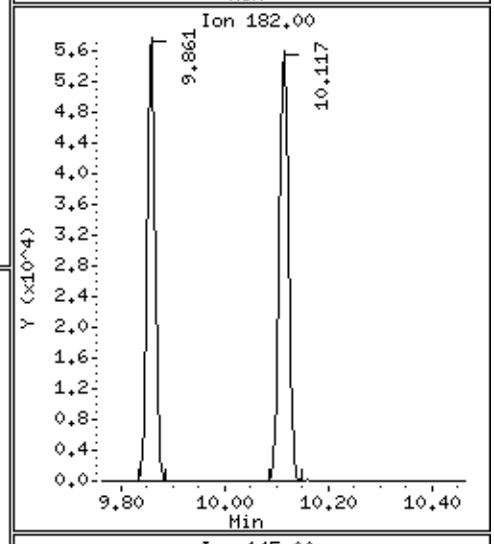


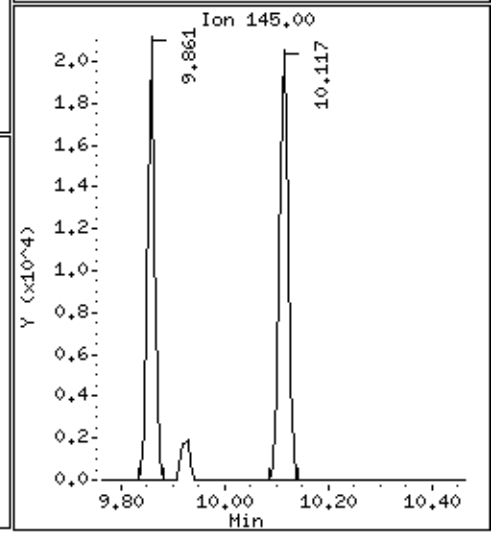












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

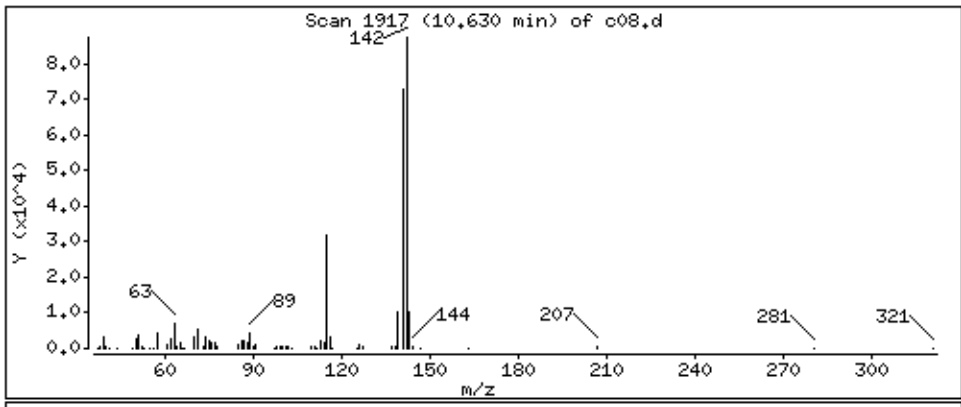
Column phase: DB-624

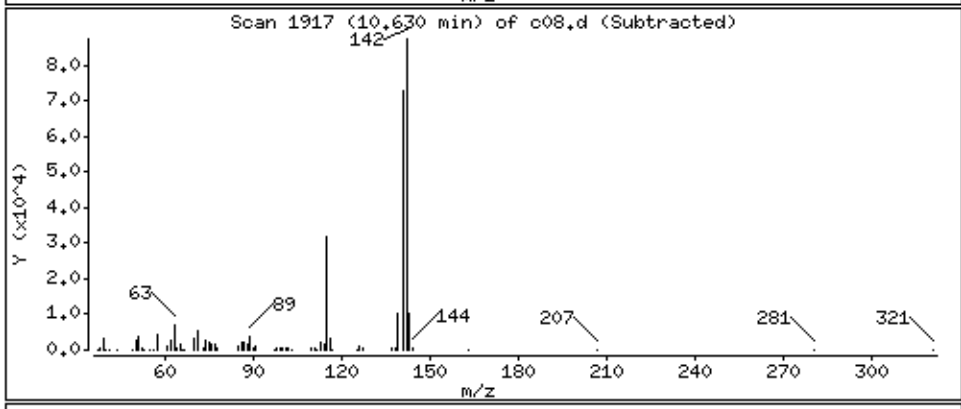
Column diameter: 0.18

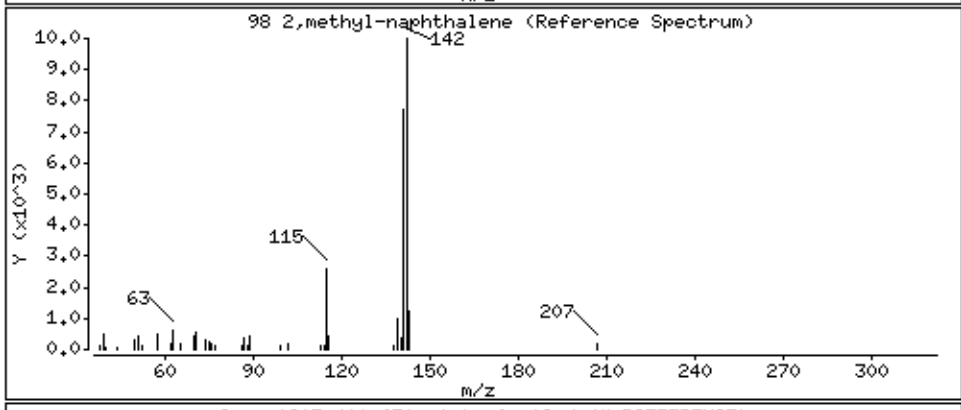
98 2,methyl-naphthalene

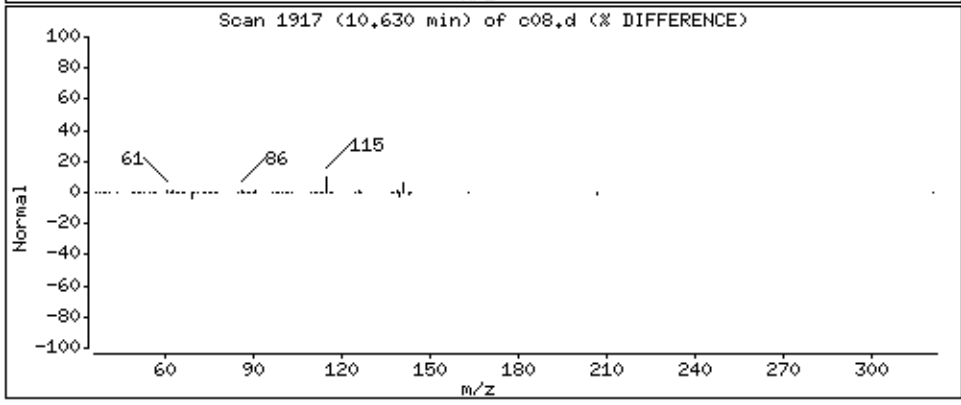
Concentration: 35.5 ppb

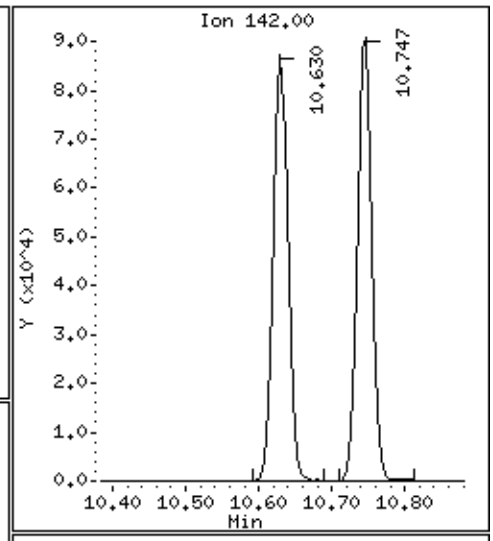
Review Code:

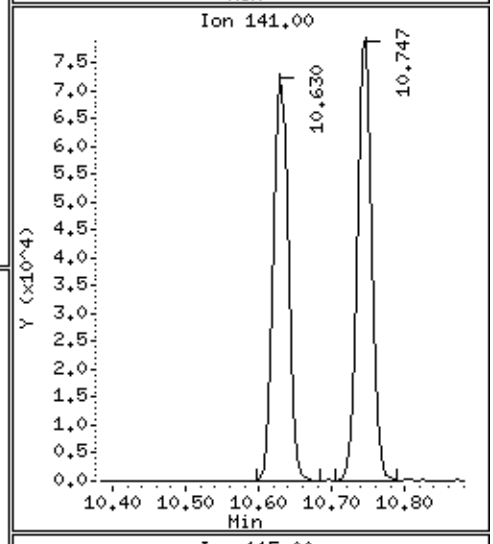


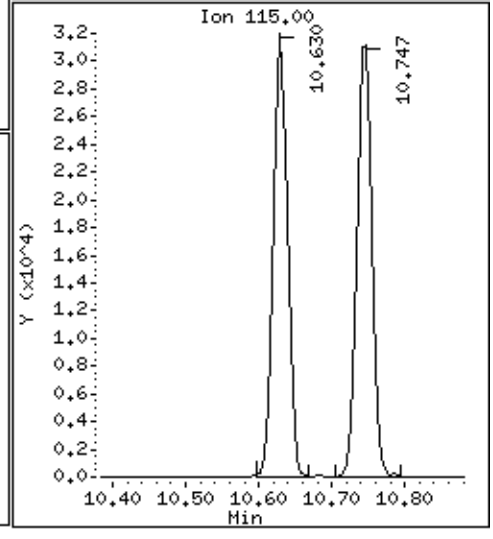












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c08.d

Date : 11-OCT-2016 01:32

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645431,132007:5

Purge Volume: 5.0

Operator: jlz

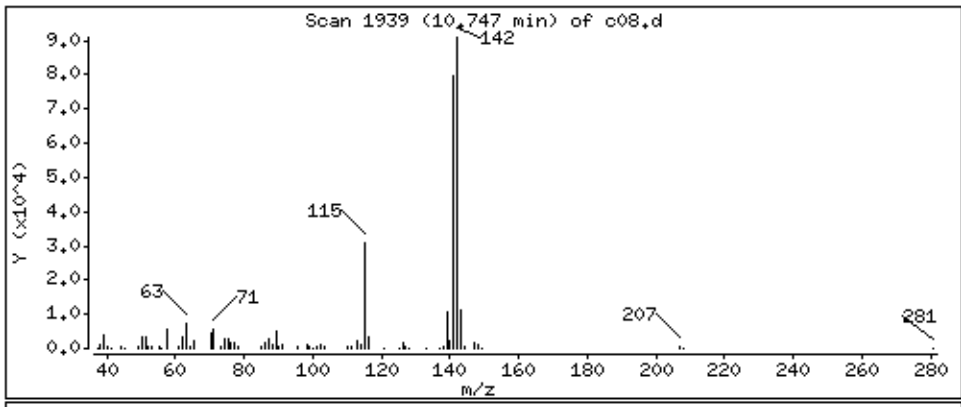
Column phase: DB-624

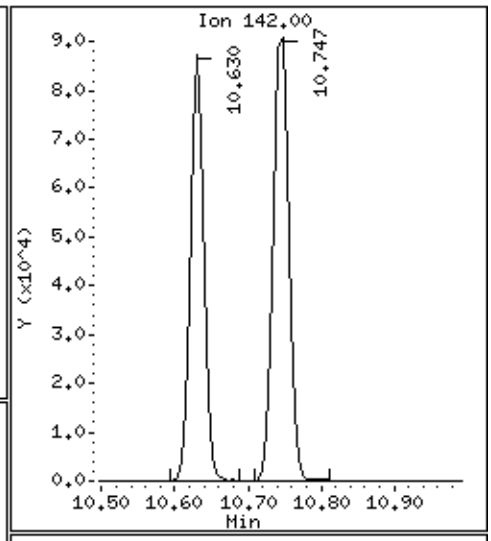
Column diameter: 0.18

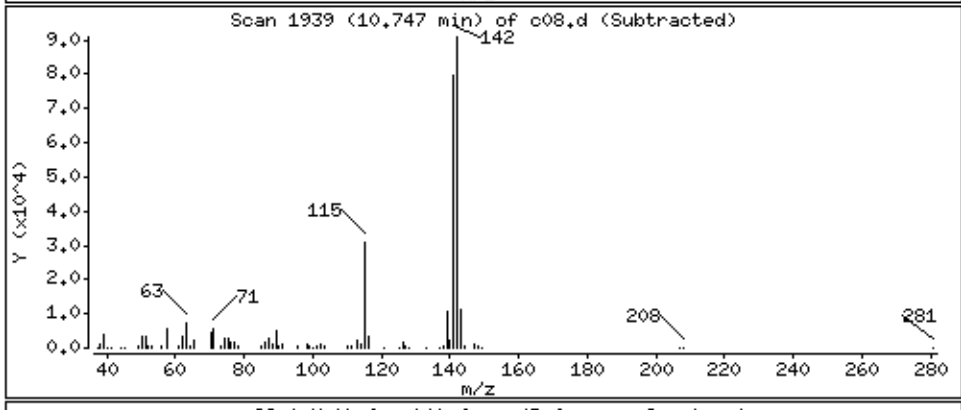
99 1-Methylnaphthalene

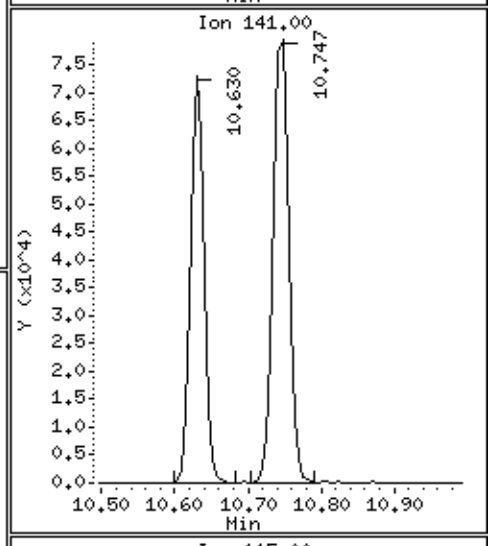
Concentration: 46.4 ppb

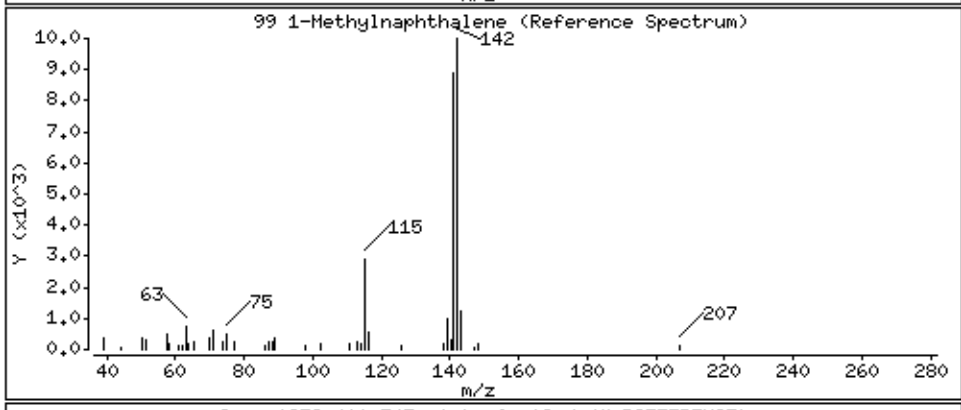
Review Code:

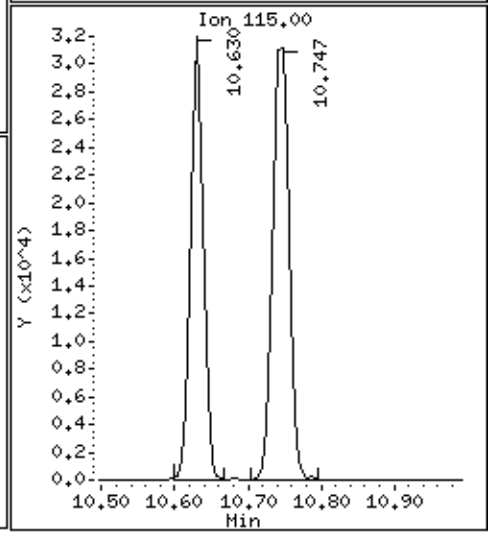


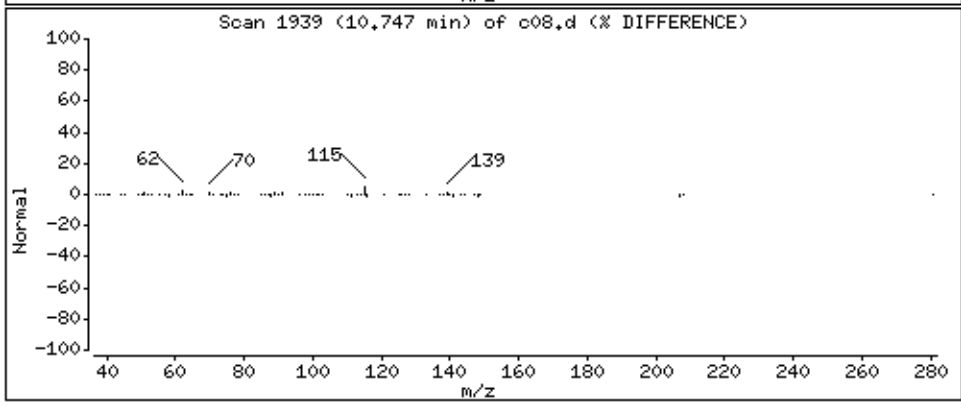












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c08.d
Injection Date: 11-OCT-2016 01:32
Instrument: 50mv3a.i
Lab Sample ID: 1645431
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSD

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 02:04 Lab Sample ID: 1645432

Date Analyzed: 10/11/2016 02:04 Lab File ID: A101016.B\C09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	269	
71-43-2	Benzene	42.1	
75-27-4	Bromodichloromethane	50.0	
75-25-2	Bromoform	47.6	
74-83-9	Bromomethane	37.1	
78-93-3	2-Butanone (MEK)	290	
75-15-0	Carbon disulfide	37.2	
56-23-5	Carbon tetrachloride	39.1	
108-90-7	Chlorobenzene	35.3	
75-00-3	Chloroethane	35.9	
67-66-3	Chloroform	42.7	
74-87-3	Chloromethane	34.4	
110-82-7	Cyclohexane	41.7	J
96-12-8	1,2-Dibromo-3-chloropropane	53.9	
124-48-1	Dibromochloromethane	46.1	
106-93-4	1,2-Dibromoethane (EDB)	49.6	
95-50-1	1,2-Dichlorobenzene	34.9	
541-73-1	1,3-Dichlorobenzene	30.9	
106-46-7	1,4-Dichlorobenzene	29.8	
75-71-8	Dichlorodifluoromethane	37.1	
75-34-3	1,1-Dichloroethane	43.2	
107-06-2	1,2-Dichloroethane	43.4	
75-35-4	1,1-Dichloroethene	37.3	
156-59-2	cis-1,2-Dichloroethene	85.0	
156-60-5	trans-1,2-Dichloroethene	43.8	
78-87-5	1,2-Dichloropropane	50.7	
10061-01-5	cis-1,3-Dichloropropene	43.3	
10061-02-6	trans-1,3-Dichloropropene	45.6	
100-41-4	Ethylbenzene	34.8	
591-78-6	2-Hexanone	306	
98-82-8	Isopropylbenzene (Cumene)	32.2	
79-20-9	Methyl acetate	55.8	
108-87-2	Methylcyclohexane	43.7	J
75-09-2	Methylene Chloride	54.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	285	
1634-04-4	Methyl-tert-butyl ether	49.4	
100-42-5	Styrene	37.7	

SAMPLE NO.

MSD

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Former GM Delco Plant 5

Date Received: 09/28/2016 13:14 Matrix: Water SDG No.: 50155366

Date Extracted: 10/11/2016 02:04 Lab Sample ID: 1645432

Date Analyzed: 10/11/2016 02:04 Lab File ID: A101016.B\C09.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV3A Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	51.9	
127-18-4	Tetrachloroethene	31.0	
108-88-3	Toluene	34.7	
120-82-1	1,2,4-Trichlorobenzene	32.3	
71-55-6	1,1,1-Trichloroethane	38.4	
79-00-5	1,1,2-Trichloroethane	47.6	
79-01-6	Trichloroethene	182	
75-69-4	Trichlorofluoromethane	38.8	
76-13-1	1,1,2-Trichlorotrifluoroethane	38.6	
75-01-4	Vinyl chloride	40.2	
1330-20-7	Xylene (Total)	102	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d
Lab Smp Id: 1645432 Client Smp ID: MW-0619-S1(092716)P
Inj Date : 11-OCT-2016 02:04
Operator : jlz Inst ID: 50mv3a.i
Smp Info : 1645432,132007:5
Misc Info : 95715
Comment :
Method : \\192.168.50.6\chem\50mv3a.i\a101016.b\-a8260_a_c.m
Meth Date : 11-Oct-2016 12:55 50mv3a.i Quant Type: ISTD
Cal Date : 28-SEP-2016 22:15 Cal File: a08cal.d
Als bottle: 65 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VMXP-VOA-JLZ

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.908	0.906	(0.218)	81556	37.1485	37.1	
2 Chloromethane	50	0.993	0.992	(0.238)	92570	34.3576	34.4	
3 Vinyl Chloride	62	1.036	1.035	(0.249)	113926	40.2466	40.2	
4 Bromomethane	94	1.185	1.184	(0.285)	48593	37.0893	37.1	
5 Chloroethane	64	1.228	1.227	(0.295)	60023	35.9042	35.9	
6 Trichlorofluoromethane	101	1.346	1.344	(0.323)	122275	38.7867	38.8	
7 Diethyl ether	74	1.468	1.467	(0.353)	52111	42.7652	42.8	
8 1,2-dichlorotrifluoroethane	67	1.484	1.483	(0.356)	104984	38.4898	38.5	
9 Acrolein	56	1.538	1.537	(0.369)	243021	1120.07	1120	
10 1,1,2trichlorotrifluoroethane	101	1.591	1.590	(0.382)	89894	38.5716	38.6(R)	
11 1,1-Dichloroethene	96	1.597	1.595	(0.383)	71125	37.2913	37.3	
12 Acetone	43	1.607	1.606	(0.386)	104053	269.355	269	
13 Iodomethane	142	1.682	1.681	(0.404)	166316	92.4824	92.5	
14 Carbon Disulfide	76	1.730	1.729	(0.415)	219065	37.1655	37.2	
15 Methyl Acetate	43	1.773	1.772	(0.426)	65025	55.7763	55.8	
16 allyl chloride	41	1.789	1.788	(0.429)	304034	81.3094	81.3	
17 Acetonitrile	39	1.789	1.788	(0.429)	197116	36.5732	36.6	
18 Methylene Chloride	84	1.864	1.862	(0.447)	104771	54.4036	54.4	
19 Acrylonitrile	53	1.997	1.996	(0.479)	105154	213.231	213	
20 Methyl-tert-butyl ether	73	2.024	2.023	(0.486)	254733	49.3995	49.4	
21 tert-Butyl Alcohol	59	1.901	1.900	(0.456)	17613	118.804	119(Q)	
22 1,2-Dichloroethene (trans)	96	2.040	2.039	(0.490)	94013	43.7670	43.8	

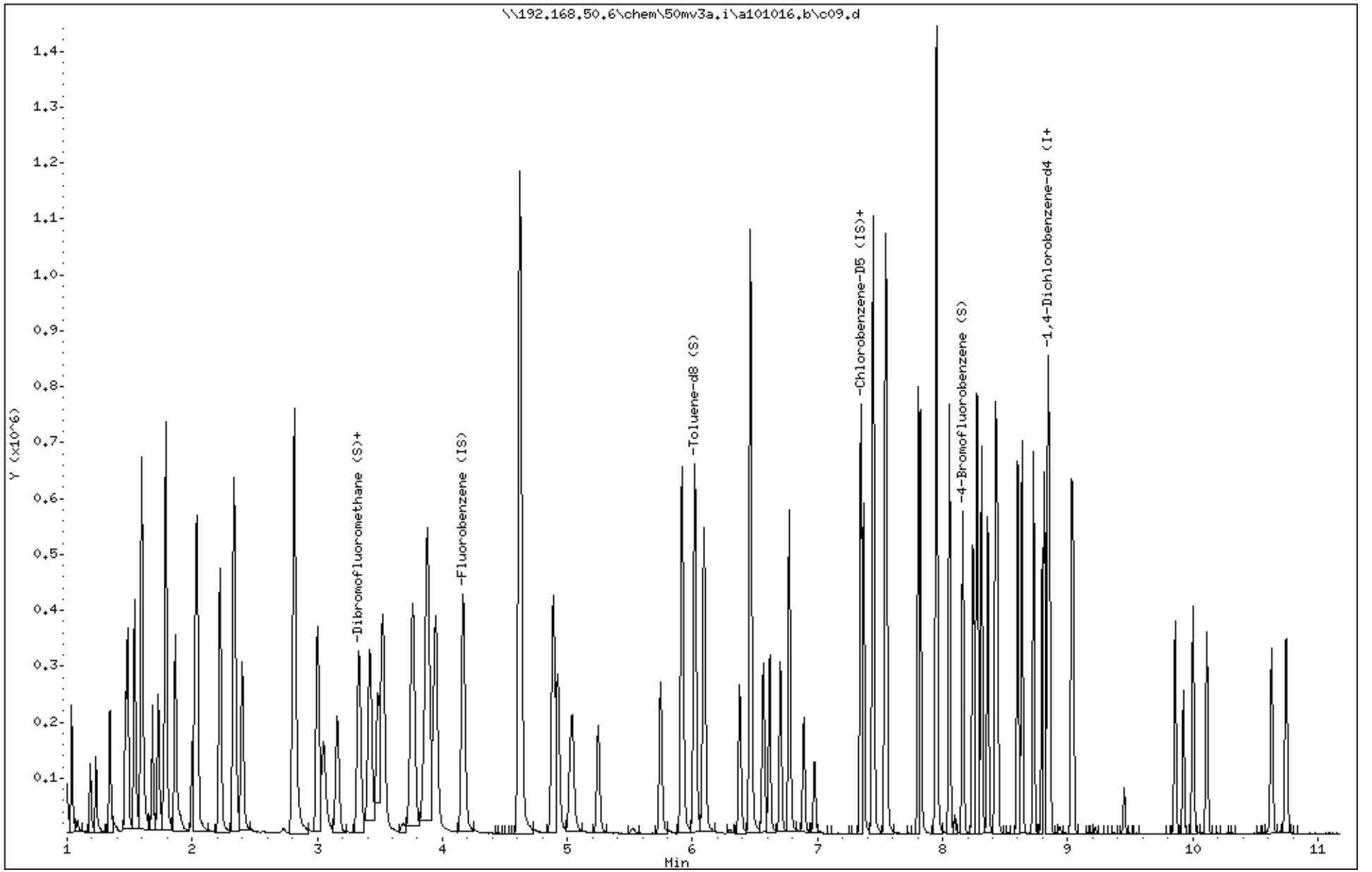
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 n-Hexane	57	2.222	2.220	(0.533)	178823	41.9195	41.9	
	24 Vinyl Acetate	43	2.328	2.327	(0.559)	601772	178.433	178	
	25 1,1-Dichloroethane	63	2.339	2.338	(0.562)	174269	43.2374	43.2	
	26 Chloroprene	53	2.398	2.397	(0.576)	155296	37.1848	37.2	
	27 2-Butanone	72	2.798	2.797	(0.672)	41744	289.700	290(Q)	
	28 1,2-Dichloroethene (cis)	96	2.814	2.813	(0.676)	195708	85.0416	85.0(QR)	
	29 2,2-Dichloropropane	77	2.820	2.824	(0.677)	130313	40.7932	40.8	
	30 Propionitrile	54	2.857	2.867	(0.686)	9429	46.0974	46.1(Q)	
	31 Methacrylonitrile	41	3.001	3.005	(0.721)	207109	216.729	217	
	32 Bromochloromethane	49	3.049	3.048	(0.732)	75241	45.5866	45.6	
	33 Tetrahydrofuran	42	3.065	3.069	(0.736)	21828	50.3145	50.3	
	34 Chloroform	83	3.156	3.155	(0.758)	158661	42.6521	42.6	
$	35 Dibromofluoromethane (S)	113	3.332	3.331	(0.800)	93295	47.9650	48.0	
	36 1,1,1-Trichloroethane	97	3.332	3.331	(0.800)	135438	38.4467	38.4	
	37 Cyclohexane	56	3.418	3.417	(0.821)	176058	41.6752	41.7(R)	
	38 n-Butyl chloride	56	3.482	3.481	(0.836)	219889	41.6872	41.7	
	39 Carbon Tetrachloride	117	3.514	3.518	(0.844)	115385	39.1335	39.1	
	40 1,1-Dichloropropene	75	3.525	3.523	(0.846)	124365	39.1159	39.1(R)	
	41 Benzene	78	3.765	3.764	(0.904)	372784	42.1218	42.1	
	42 1,2-Dichloroethane	62	3.851	3.849	(0.924)	116522	43.3900	43.4	
	43 2,2,4-Trimethylpentane	57	3.941	3.945	(0.946)	464156	43.5953	43.6	
	44 Isobutyl alcohol	43	3.877	3.876	(0.931)	773562	53.5679	53.6	
*	45 Fluorobenzene (IS)	96	4.166	4.164	(1.000)	430149	50.0000		
	46 Trichloroethene	95	4.620	4.618	(1.109)	406907	181.620	182(R)	
	47 Methylcyclohexane	55	4.887	4.885	(1.173)	150299	43.7014	43.7(R)	
	48 1,2-Dichloropropane	63	4.924	4.923	(1.182)	105182	50.6546	50.6	
	49 Dibromomethane	93	5.020	5.019	(1.205)	47912	50.4785	50.5	
	50 1,4-Dioxane	88	5.031	5.030	(1.208)	12346	967.946	968	
	51 Methyl methacrylate	69	5.042	5.040	(1.210)	56277	60.5752	60.6	
	52 Bromodichloromethane	83	5.245	5.243	(1.259)	119751	50.0222	50.0	
	54 cis-1,3-Dichloropropene	75	5.741	5.745	(0.782)	139350	43.2553	43.2	
	55 4-Methyl-2-Pentanone	43	5.918	5.916	(0.806)	421515	285.049	285	
$	56 Toluene-d8 (S)	98	6.019	6.018	(0.820)	404757	45.5815	45.6	
	57 Toluene	91	6.094	6.093	(0.830)	366197	34.7359	34.7(R)	
	58 trans-1,3-Dichloropropene	75	6.377	6.376	(0.868)	118989	45.5912	45.6	
	59 Ethyl Methacrylate	69	6.462	6.461	(0.880)	441603	227.818	228	
	60 1,1,2-Trichloroethane	83	6.564	6.563	(0.894)	59758	47.6214	47.6	
	61 Tetrachloroethene	166	6.612	6.616	(0.900)	74148	30.9658	31.0(R)	
	62 1,3-Dichloropropane	76	6.703	6.707	(0.913)	130574	49.4381	49.4	
	63 2-Hexanone	43	6.772	6.776	(0.922)	287327	306.251	306	
	64 Dibromochloromethane	129	6.890	6.888	(0.938)	81146	46.1451	46.1	
	65 1,2-Dibromoethane	107	6.970	6.974	(0.949)	67113	49.6276	49.6	
*	66 Chlorobenzene-D5 (IS)	117	7.344	7.342	(1.000)	286381	50.0000		
	67 Chlorobenzene	112	7.365	7.364	(1.003)	207922	35.2852	35.3(R)	
	68 1,1,1,2-Tetrachloroethane	131	7.440	7.444	(1.013)	81366	43.7741	43.8	
	69 Ethylbenzene	106	7.450	7.449	(1.015)	112418	34.7727	34.8(R)	
	70 m&p-Xylene	106	7.547	7.545	(1.028)	264166	66.5603	66.6(R)	
	71 o-Xylene	106	7.808	7.807	(1.063)	131745	35.8542	35.8(R)	
	72 Styrene	104	7.824	7.823	(1.065)	223962	37.6541	37.6(R)	
	73 Bromoform	173	7.942	7.941	(0.898)	41865	47.5521	47.6	
	74 Isopropylbenzene	105	8.054	8.053	(1.097)	327354	32.1635	32.2(R)	
$	75 4-Bromofluorobenzene (S)	95	8.161	8.165	(1.111)	133080	52.1188	52.1	
	76 Bromobenzene	77	8.241	8.240	(1.122)	129328	38.6779	38.7	
	77 1,1,2,2-Tetrachloroethane	83	8.257	8.256	(0.934)	82254	51.8579	51.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.273	8.272	(1.127)	100024	214.567	214(Q)	
79	1,2,3-Trichloropropane	110	8.284	8.282	(0.937)	25873	51.4115	51.4(Q)	
80	n-Propylbenzene	91	8.310	8.309	(0.940)	338079	29.8730	29.9(R)	
81	2-Chlorotoluene	91	8.358	8.357	(0.946)	209895	33.1495	33.1(R)	
82	1,3,5-Trimethylbenzene	105	8.423	8.421	(0.953)	235466	30.7783	30.8(R)	
83	4-Chlorotoluene	126	8.433	8.432	(0.954)	69106	30.8486	30.8(R)	
84	tert-Butylbenzene	119	8.604	8.603	(0.973)	211810	24.2539	24.2(R)	
85	1,2,4-Trimethylbenzene	105	8.636	8.635	(0.977)	240232	31.1354	31.1(R)	
86	sec-Butylbenzene	105	8.727	8.726	(0.987)	284755	27.4327	27.4(R)	
87	1,3-Dichlorobenzene	146	8.796	8.795	(0.995)	125121	30.9373	30.9(R)	
88	p-Isopropyltoluene	119	8.812	8.811	(0.997)	224922	25.9896	26.0(R)	
* 89	1,4-Dichlorobenzene-d4 (IS)	152	8.839	8.838	(1.000)	126112	50.0000		
90	1,4-Dichlorobenzene	146	8.855	8.854	(1.002)	124873	29.8020	29.8(R)	
91	n-Butylbenzene	91	9.031	9.030	(1.022)	181885	23.2596	23.2(R)	
92	1,2-Dichlorobenzene	146	9.042	9.046	(1.023)	127929	34.9235	34.9(R)	
93	1,2,4-Trichlorobenzene	180	9.859	9.858	(1.115)	78329	32.2587	32.2(R)	
94	1,2-Dibromo-3-chloropropane	155	9.453	9.452	(1.069)	10996	53.8664	53.9	
95	Hexachlorobutadiene	225	9.923	9.927	(1.123)	31672	21.2569	21.2(R)	
96	Naphthalene	128	9.998	10.002	(1.131)	230654	46.4462	46.4	
97	1,2,3-Trichlorobenzene	180	10.116	10.114	(1.144)	81805	35.6008	35.6	
98	2,methyl-naphthalene	142	10.628	10.632	(1.202)	129055	39.8102	39.8	
99	1-Methylnaphthalene	142	10.746	10.745	(1.216)	141082	50.8818	50.9	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d
Date : 11-OCT-2016 02:04
Client ID: MW-0619-S1(092716)P
Instrument: 50mv3a.i
Sample Info: 1645432,132007:5
Purge Volume: 5.0
Operator: jlz
Column phase: DB-624
Column diameter: 0.18



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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

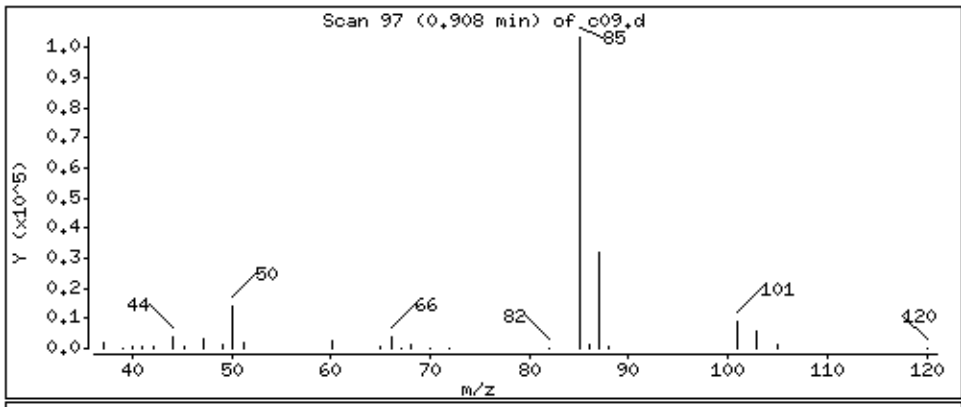
Column phase: DB-624

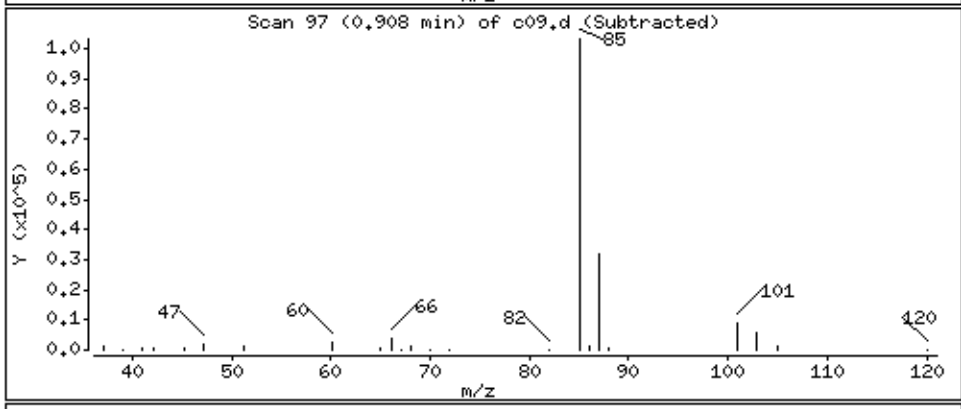
Column diameter: 0.18

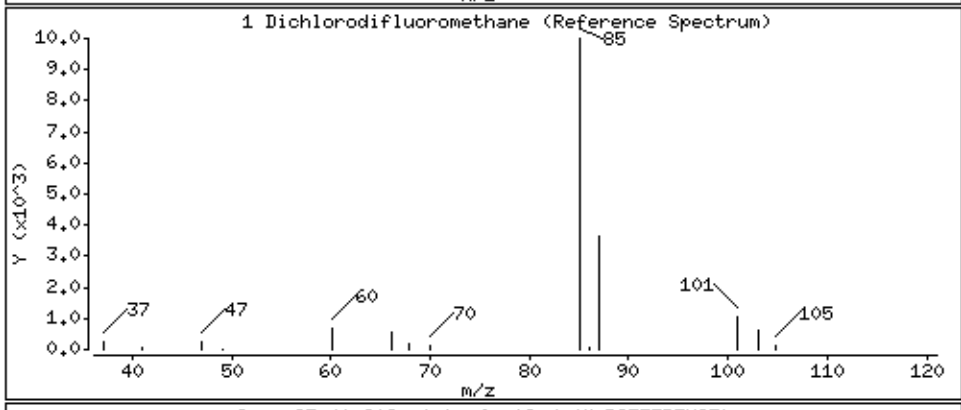
1 Dichlorodifluoromethane

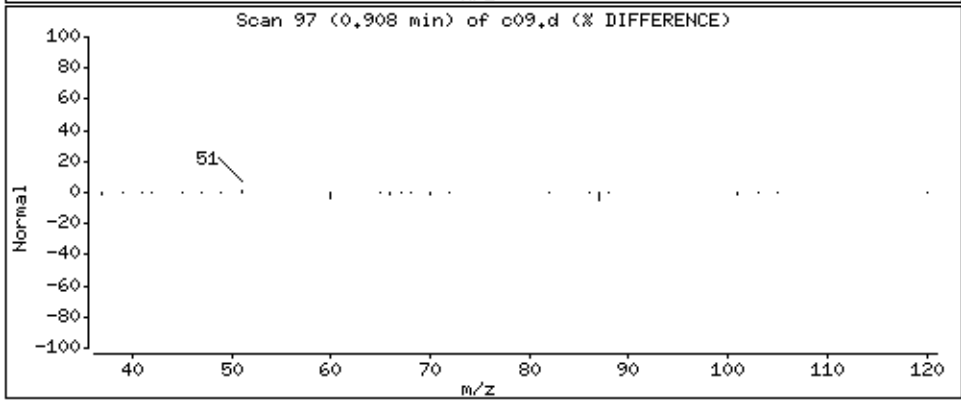
Concentration: 37.1 ppb

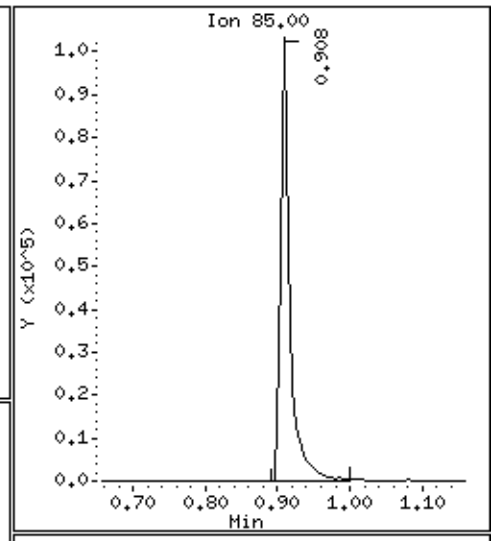
Review Code:

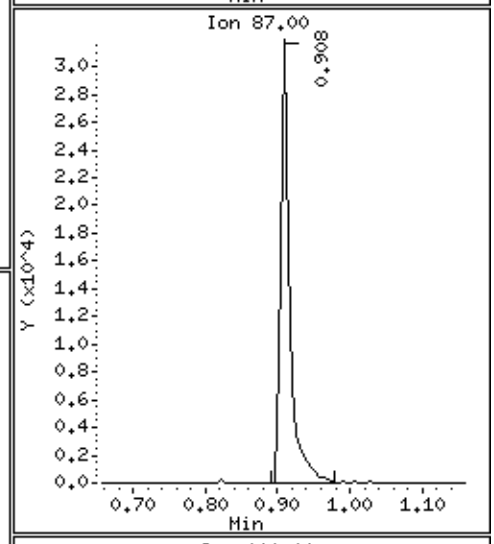


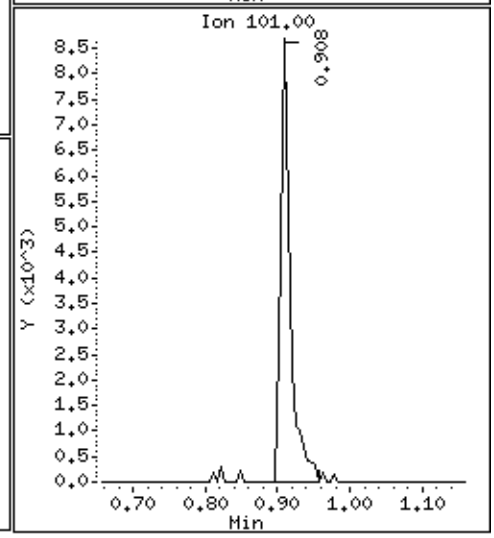












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

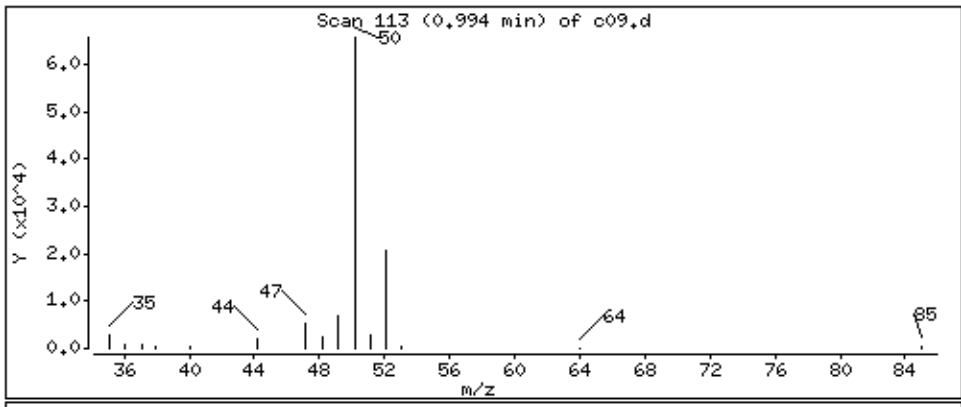
Column phase: DB-624

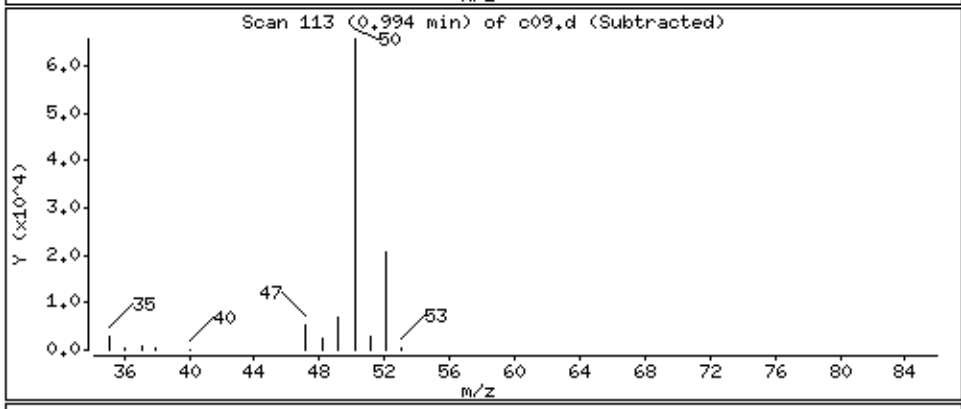
Column diameter: 0.18

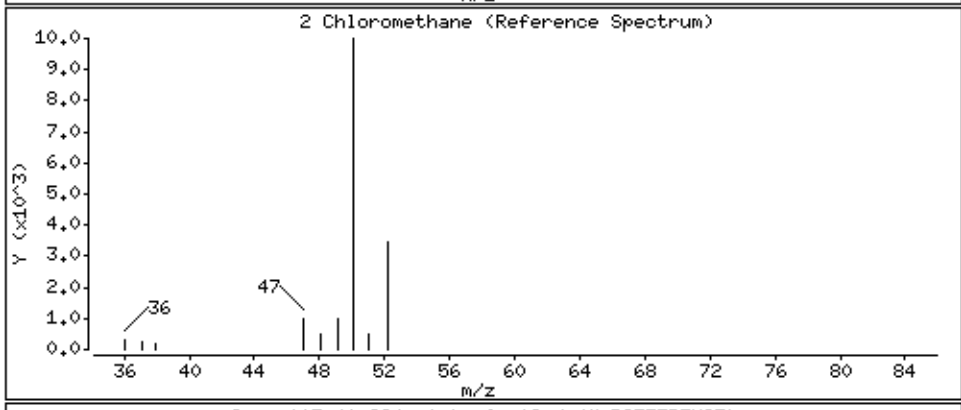
2 Chloromethane

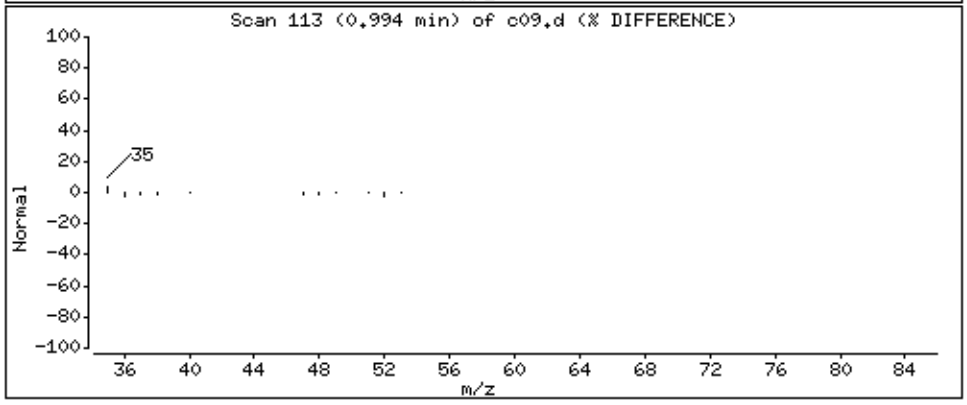
Concentration: 34.4 ppb

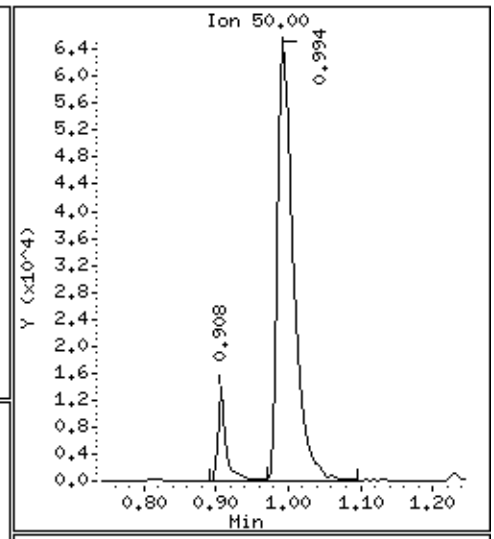
Review Code:

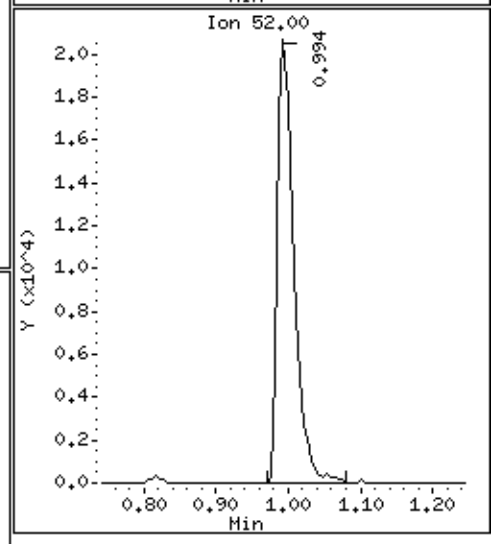












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

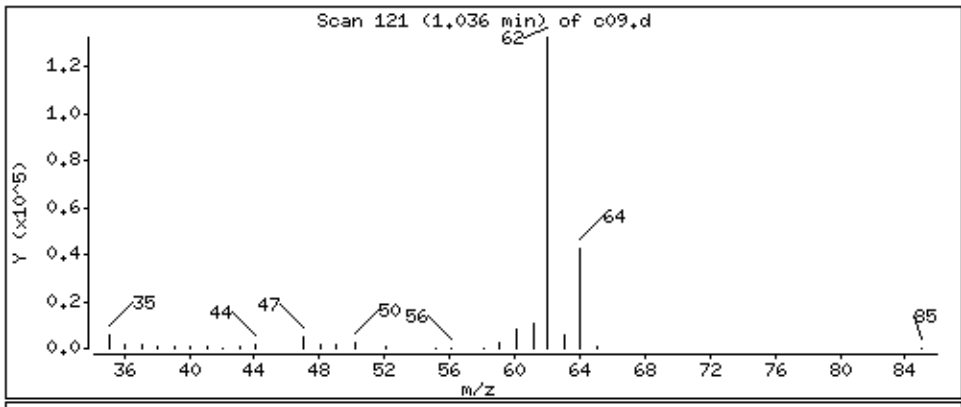
Column phase: DB-624

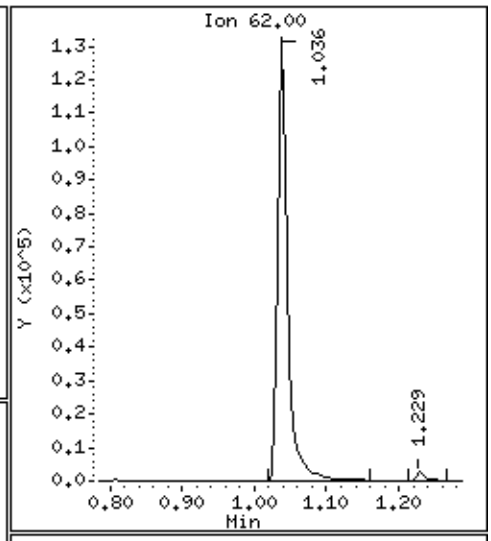
Column diameter: 0.18

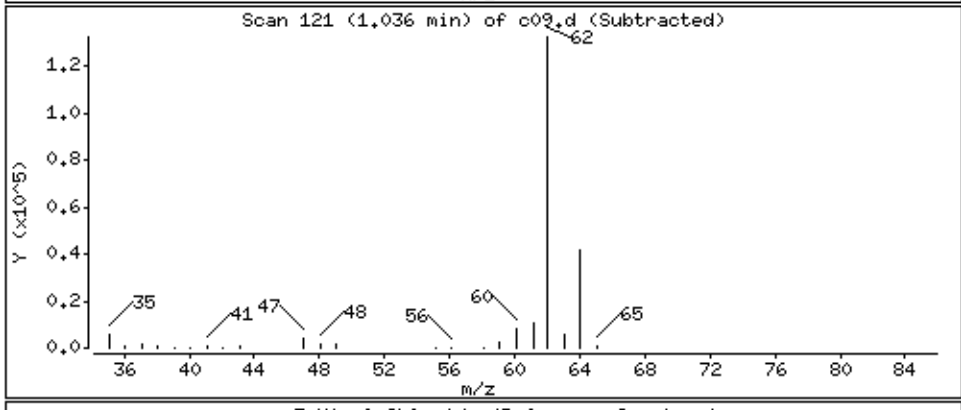
3 Vinyl Chloride

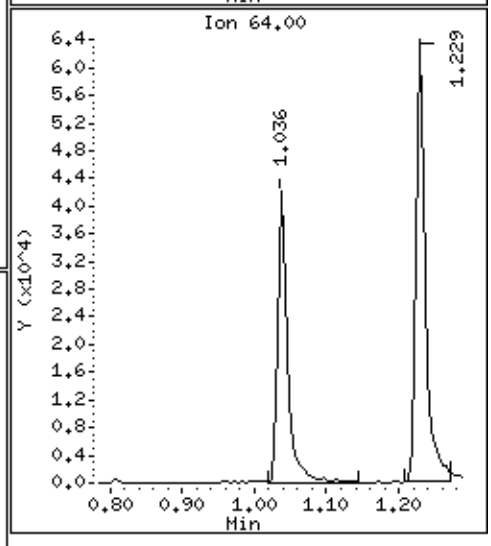
Concentration: 40.2 ppb

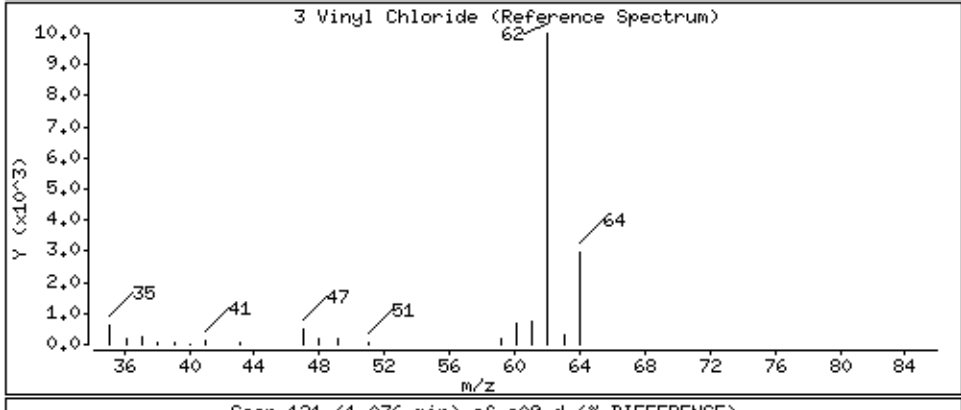
Review Code:

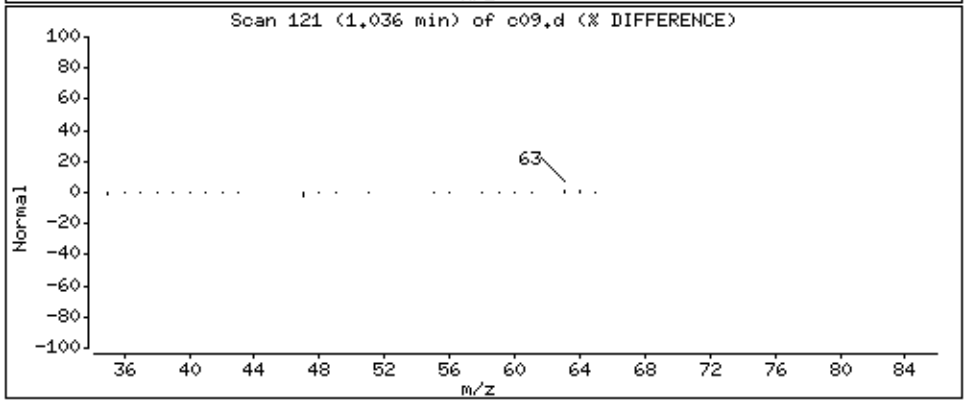












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

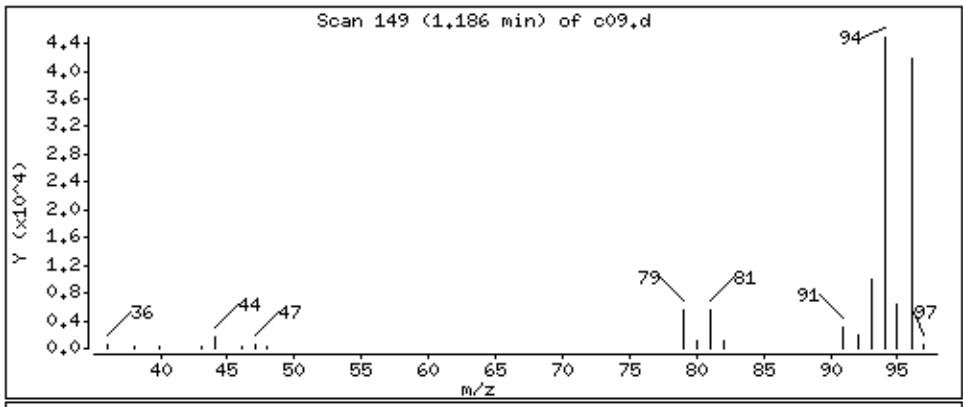
Column phase: DB-624

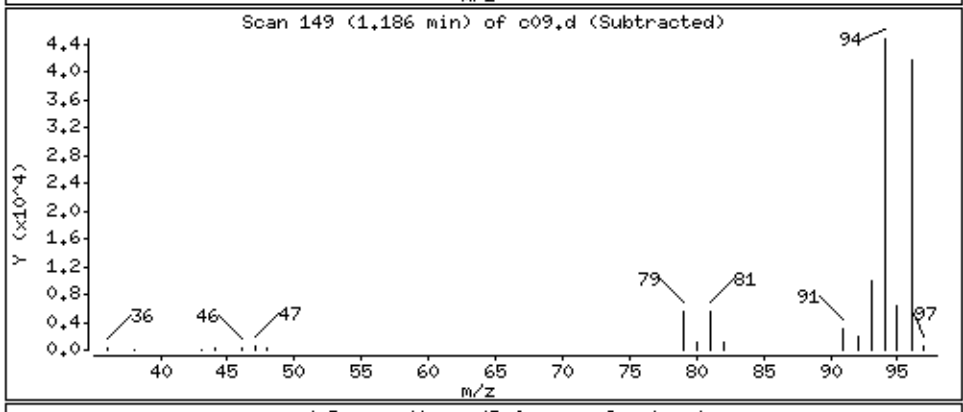
Column diameter: 0.18

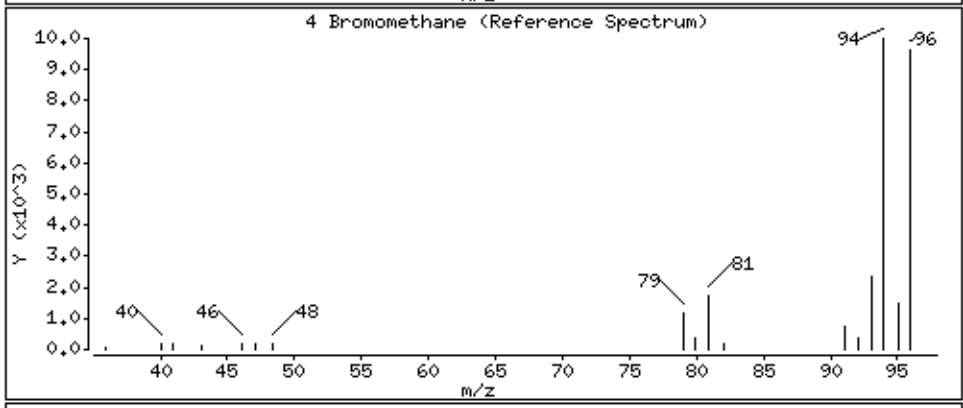
4 Bromomethane

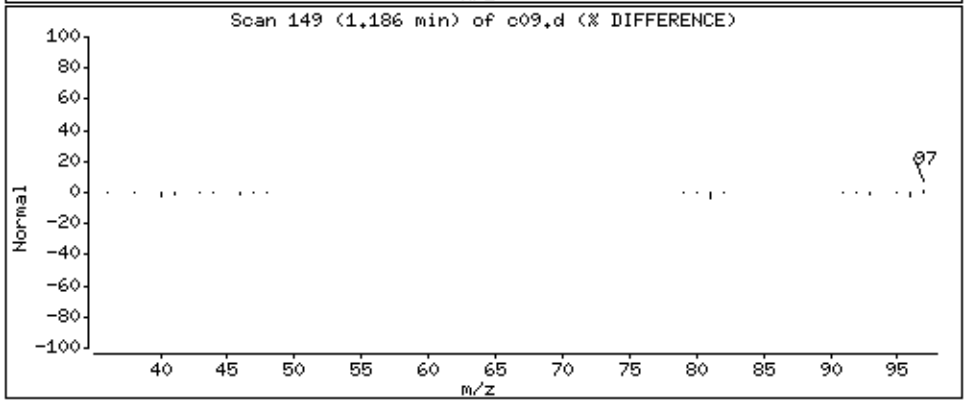
Concentration: 37.1 ppb

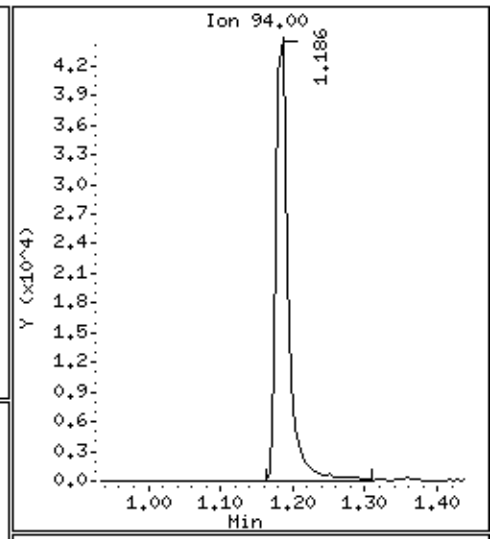
Review Code:

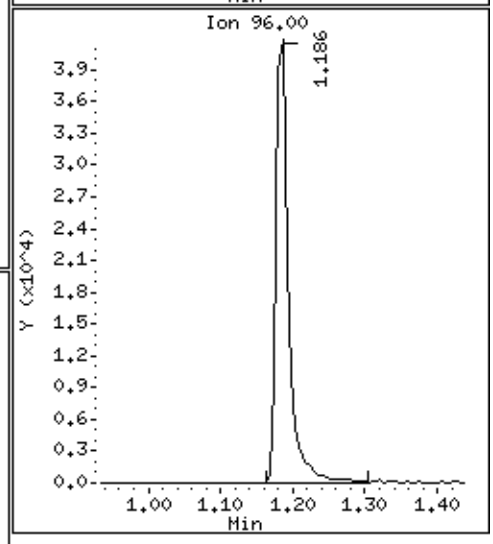












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

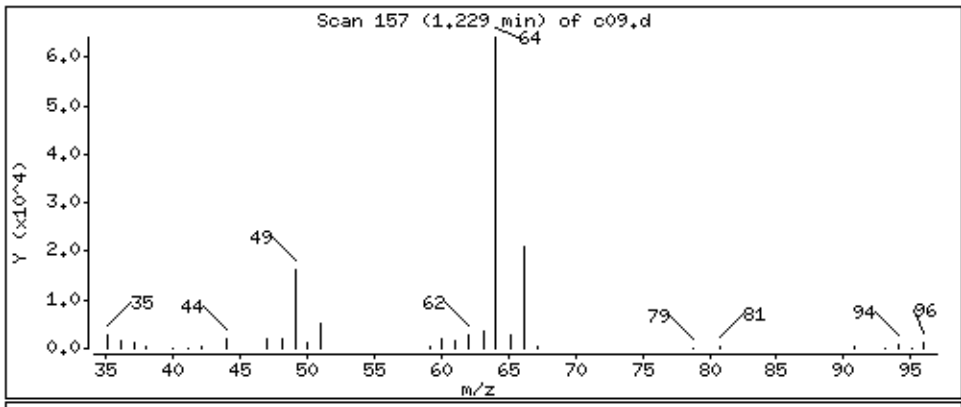
Column phase: DB-624

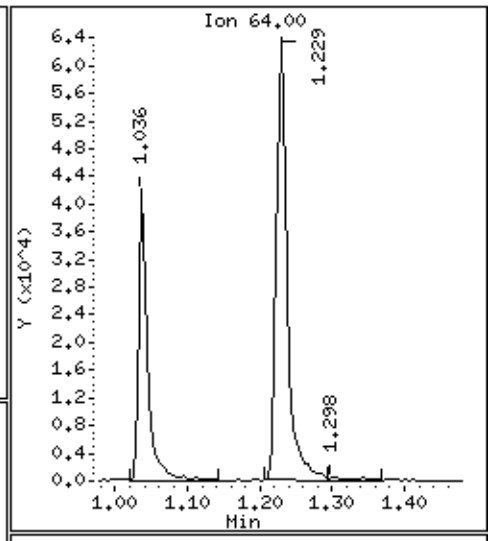
Column diameter: 0.18

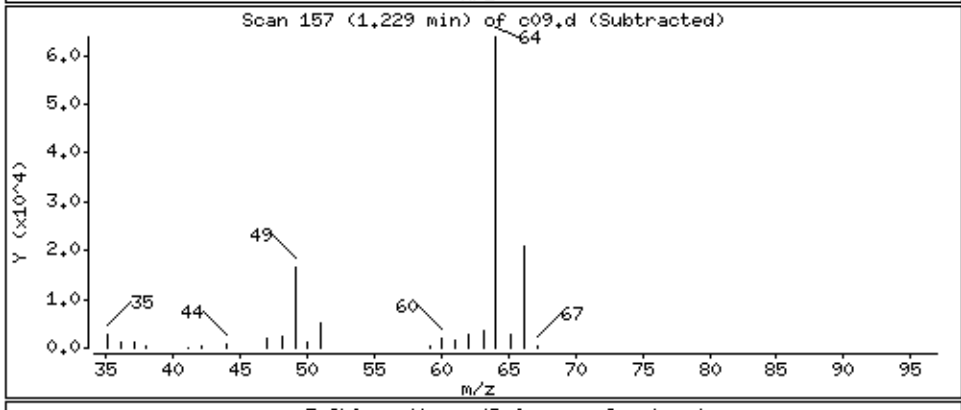
5 Chloroethane

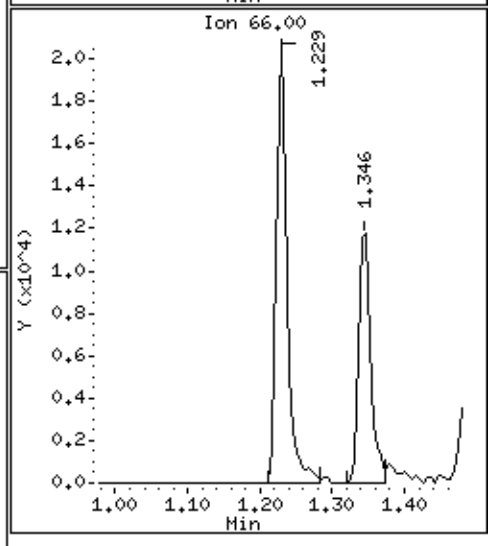
Concentration: 35.9 ppb

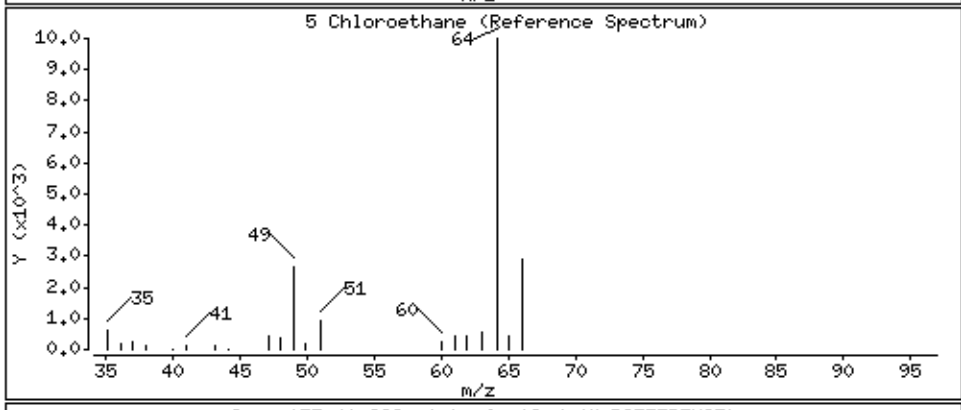
Review Code:

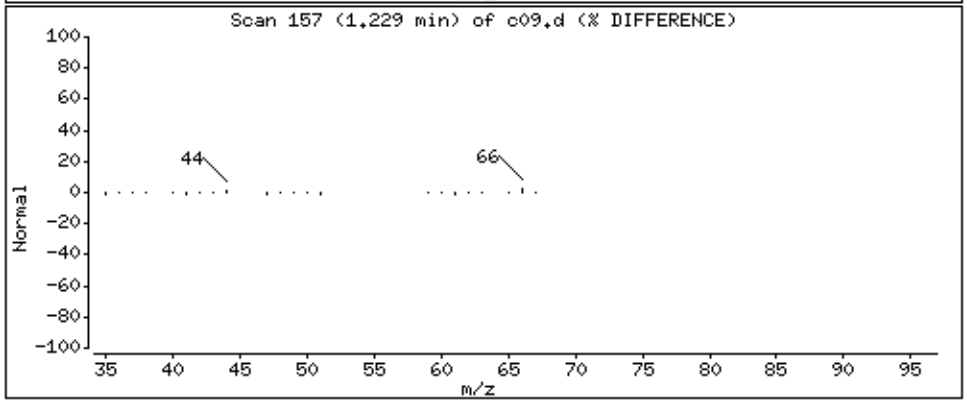












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

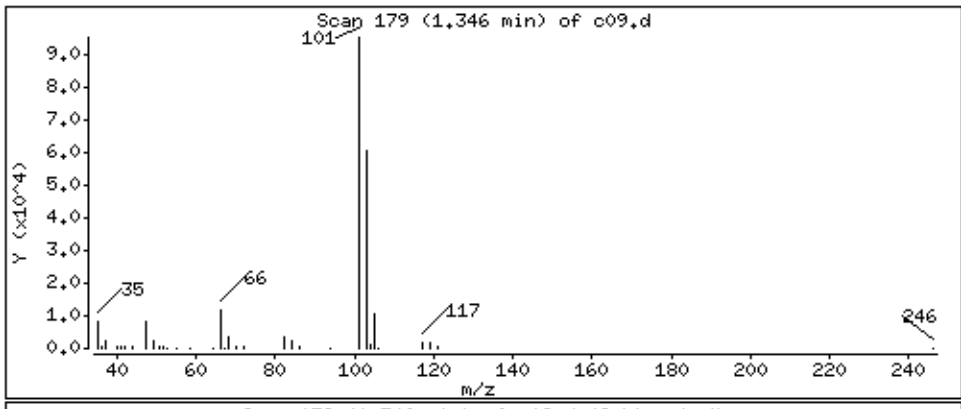
Column phase: DB-624

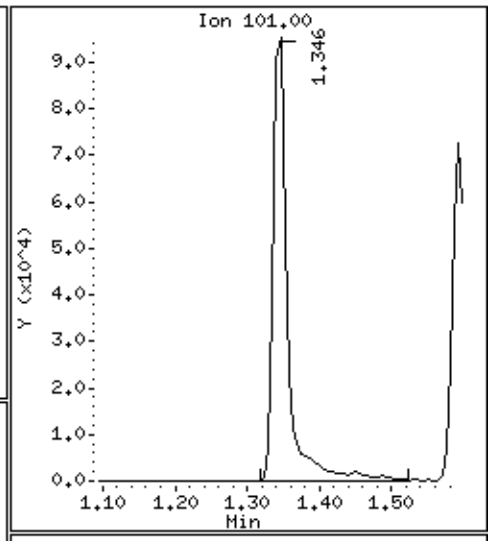
Column diameter: 0.18

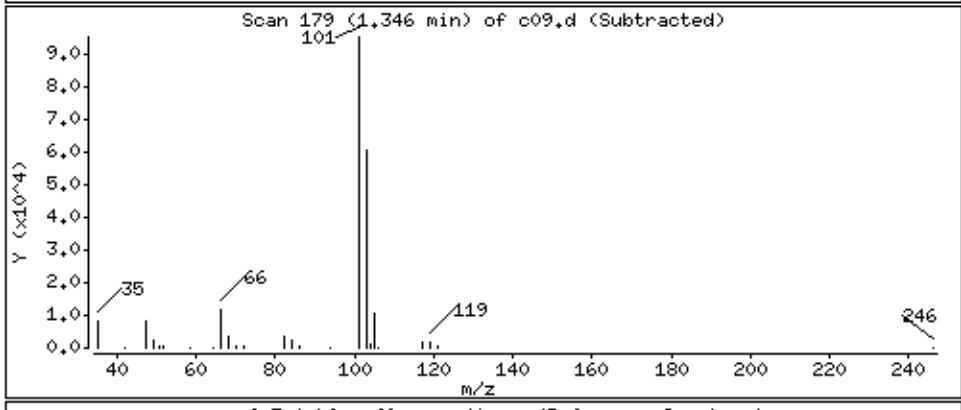
6 Trichlorofluoromethane

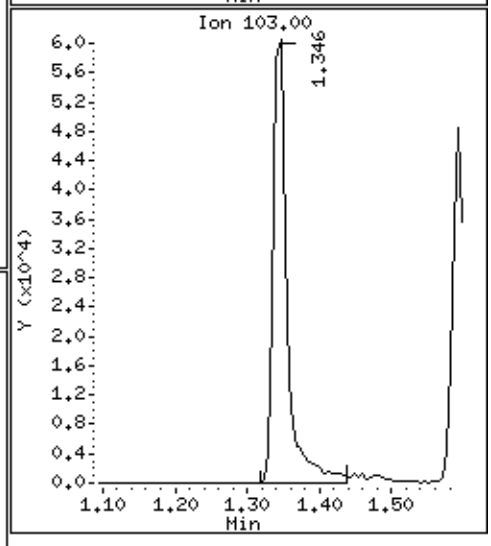
Concentration: 38.8 ppb

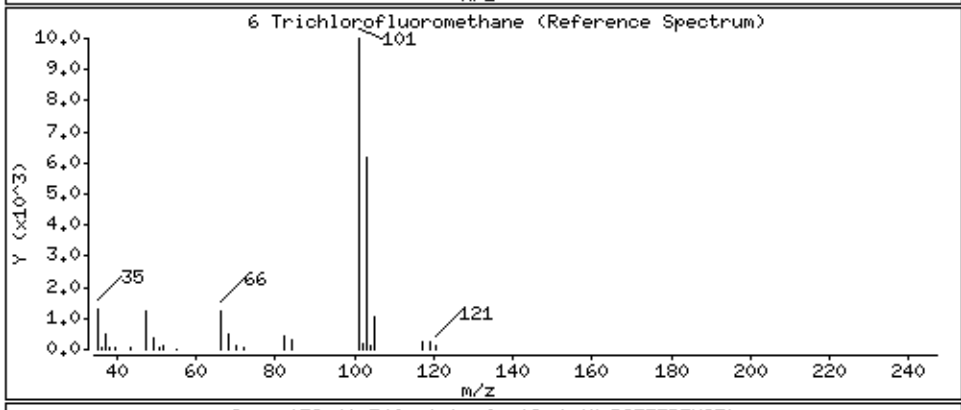
Review Code:

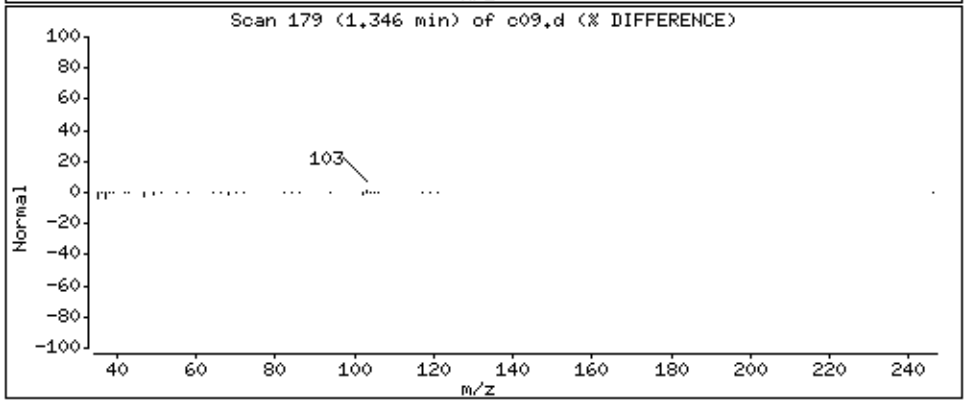












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

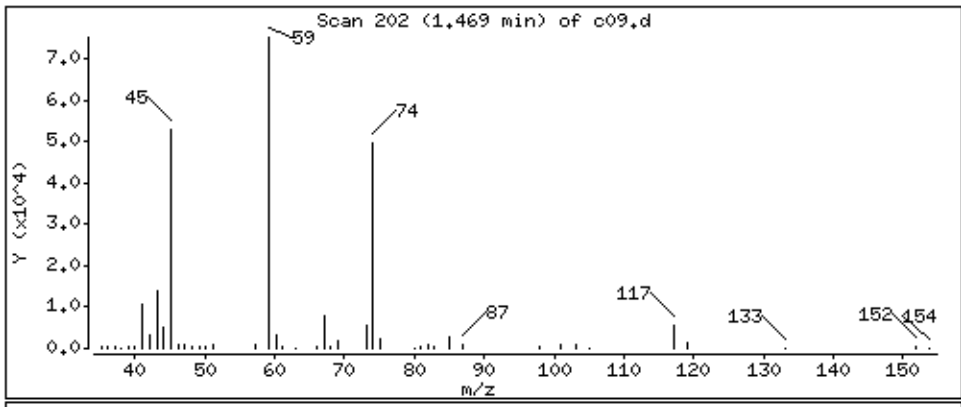
Column phase: DB-624

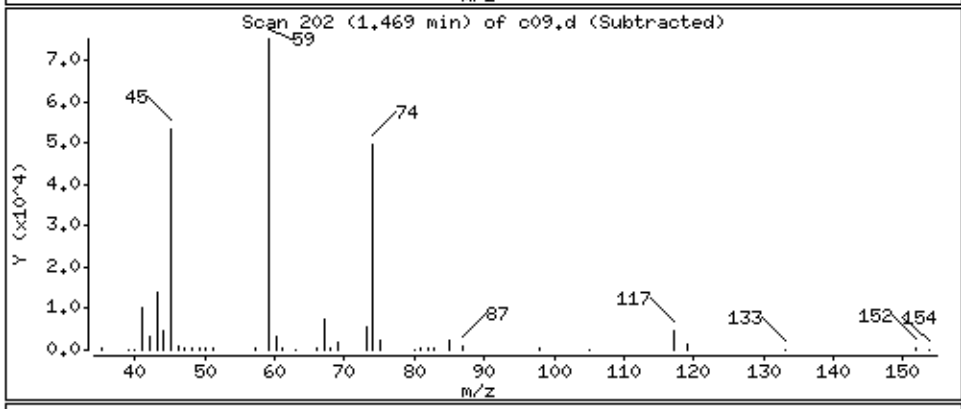
Column diameter: 0.18

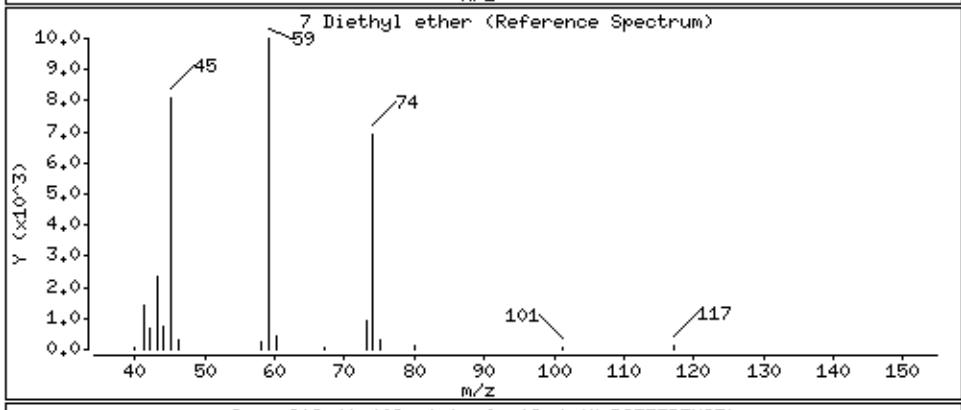
7 Diethyl ether

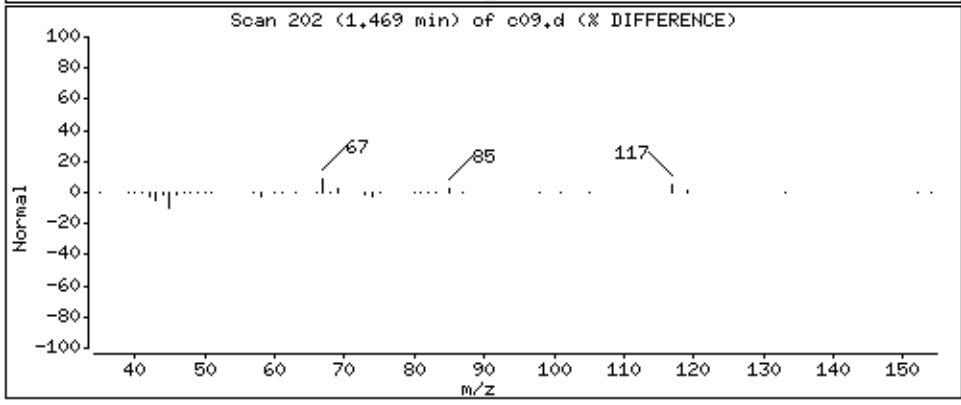
Concentration: 42.8 ppb

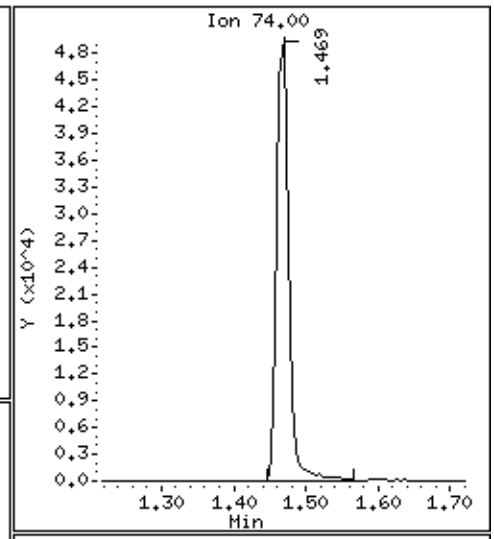
Review Code:

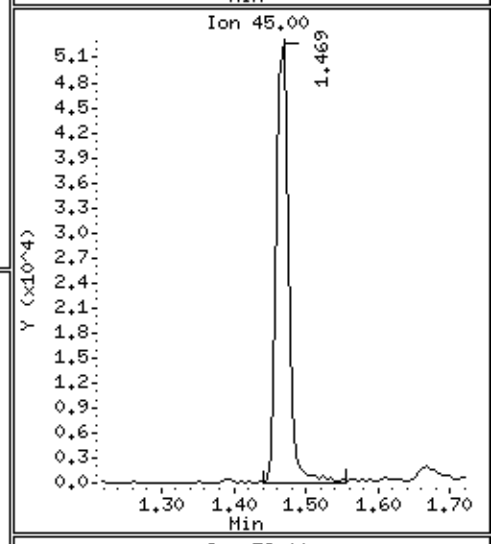


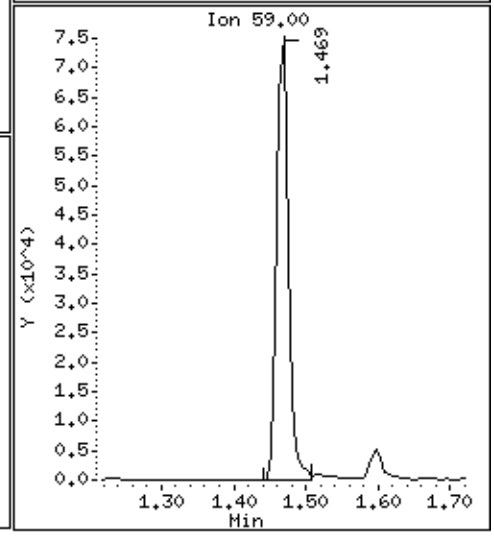












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

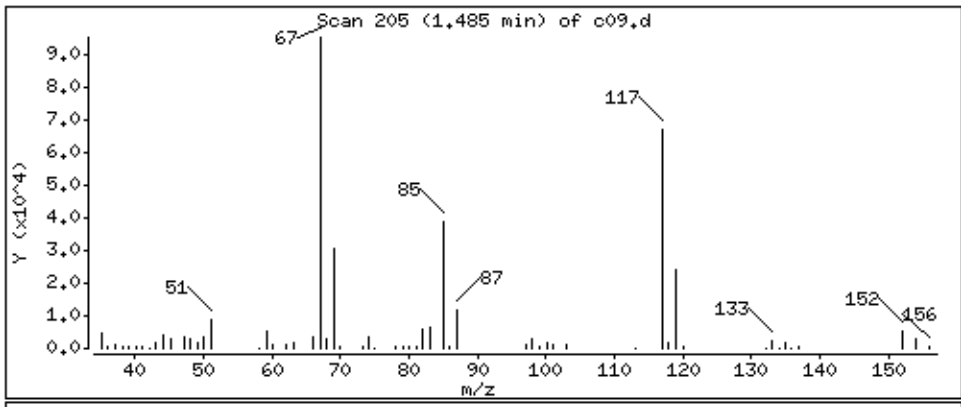
Column phase: DB-624

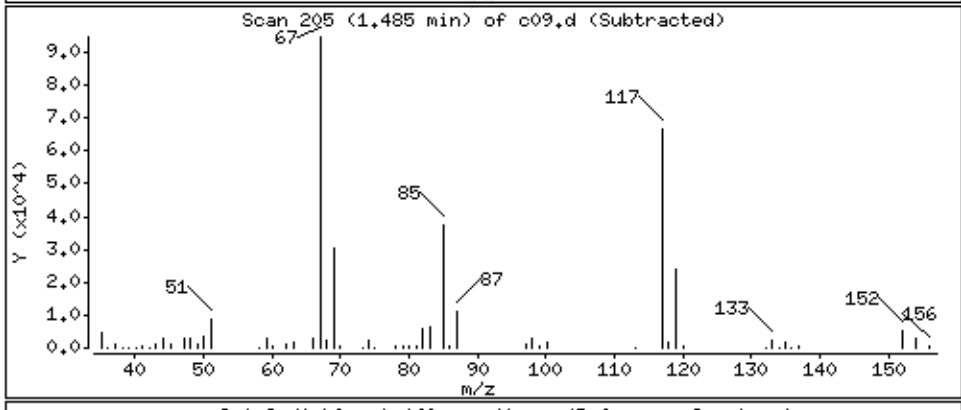
Column diameter: 0.18

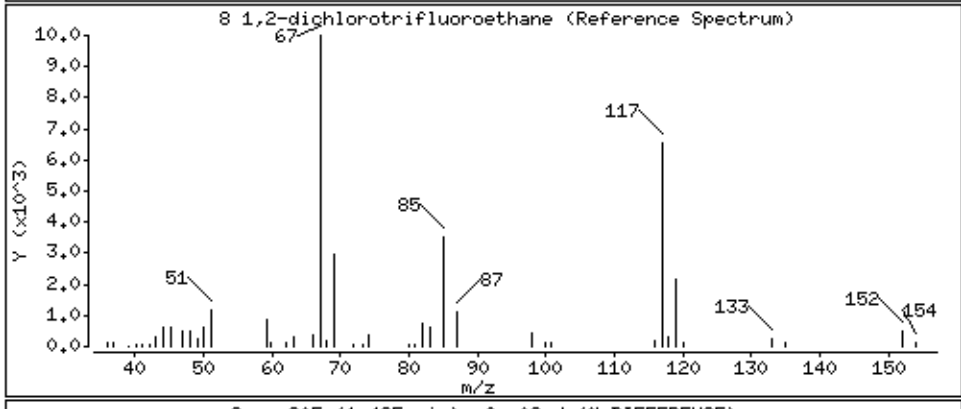
8 1,2-dichlorotrifluoroethane

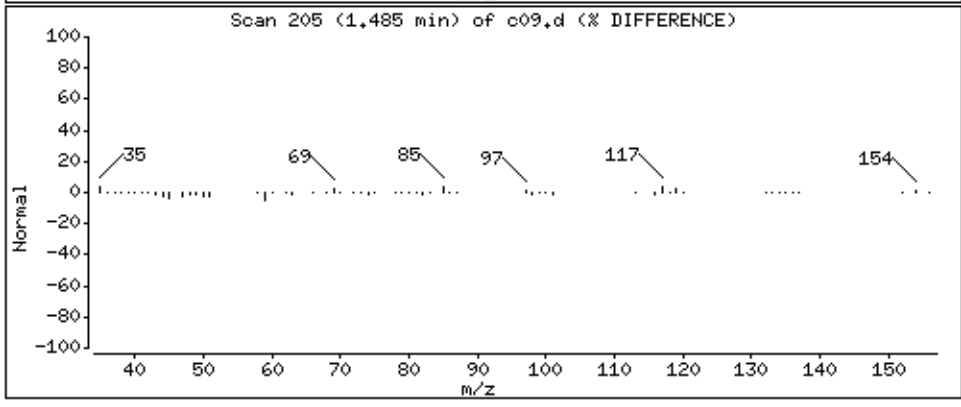
Concentration: 38.5 ppb

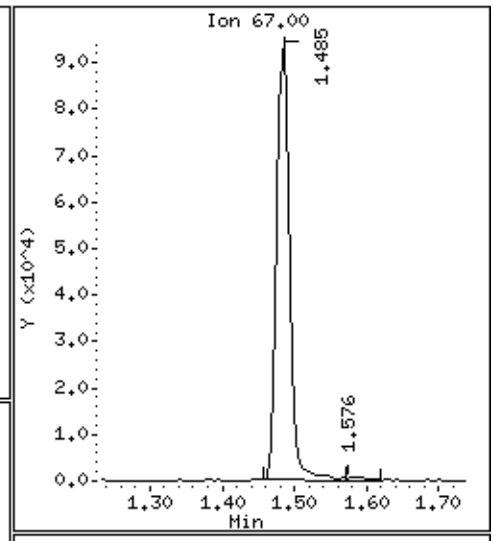
Review Code:

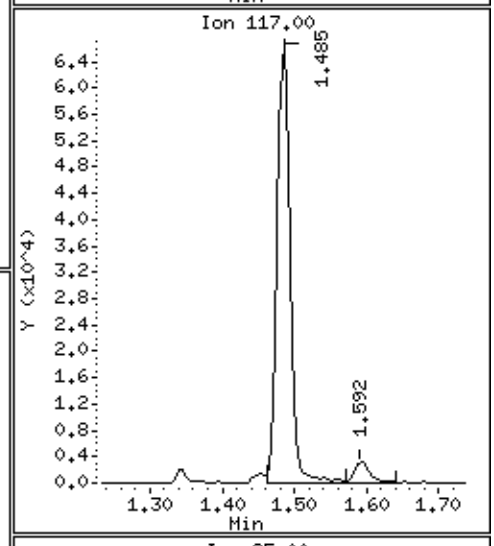


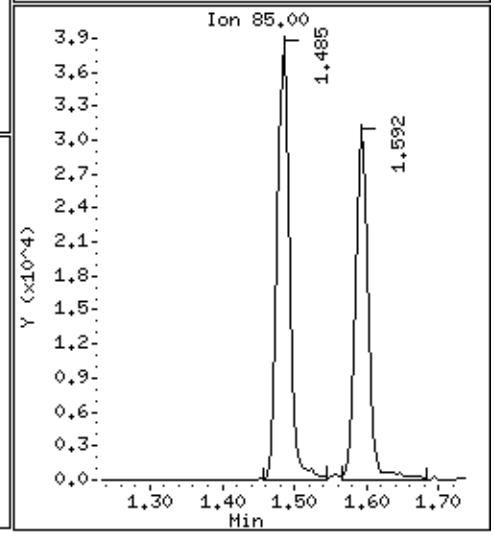












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

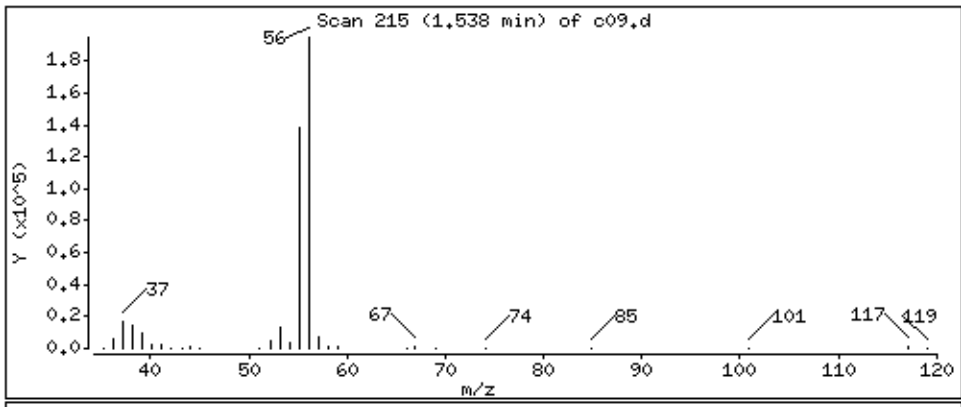
Column phase: DB-624

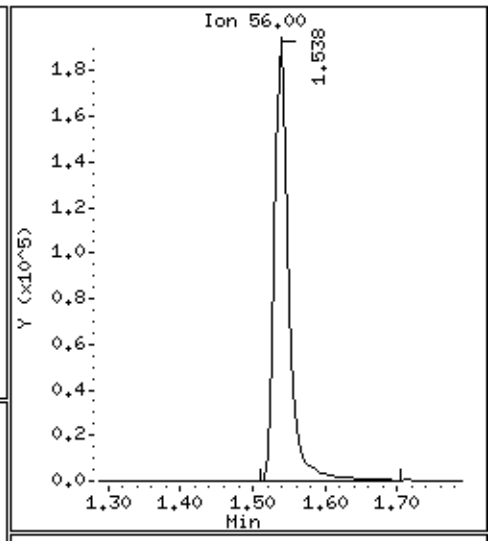
Column diameter: 0.18

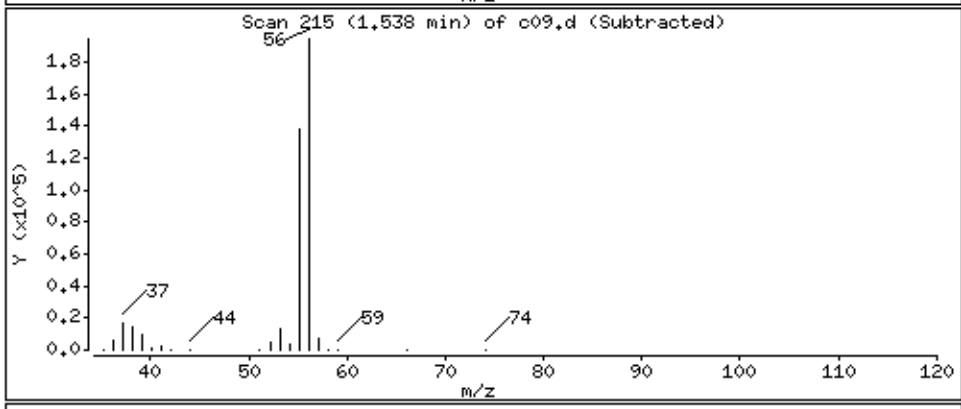
9 Acrolein

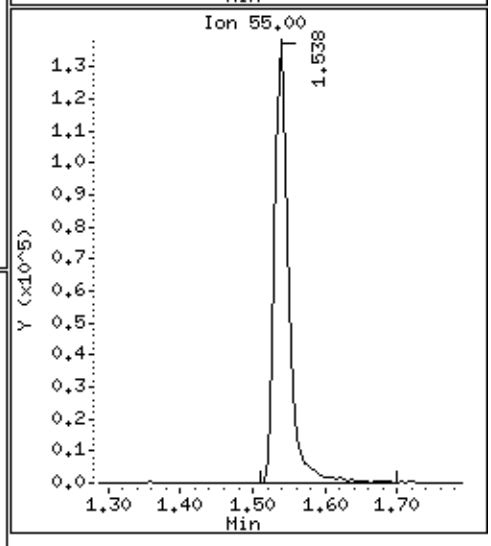
Concentration: 1120 ppb

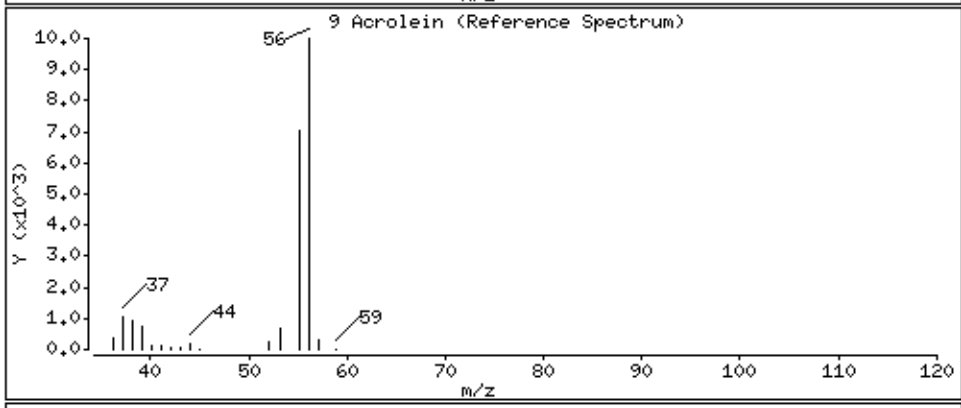
Review Code:

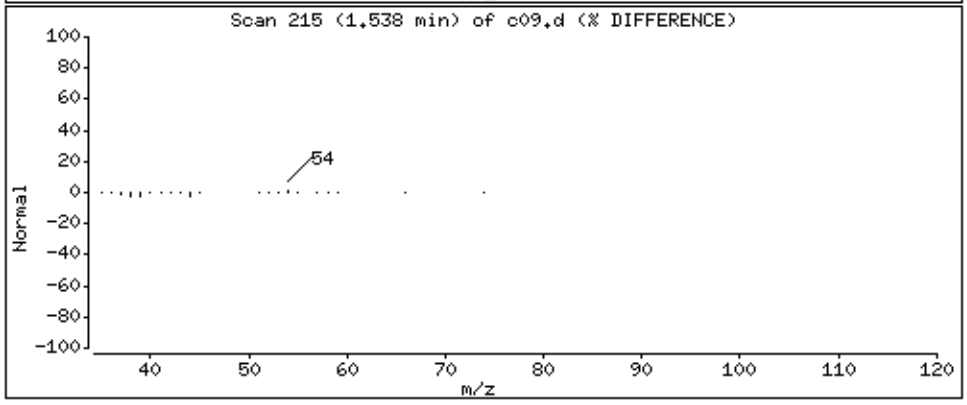












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

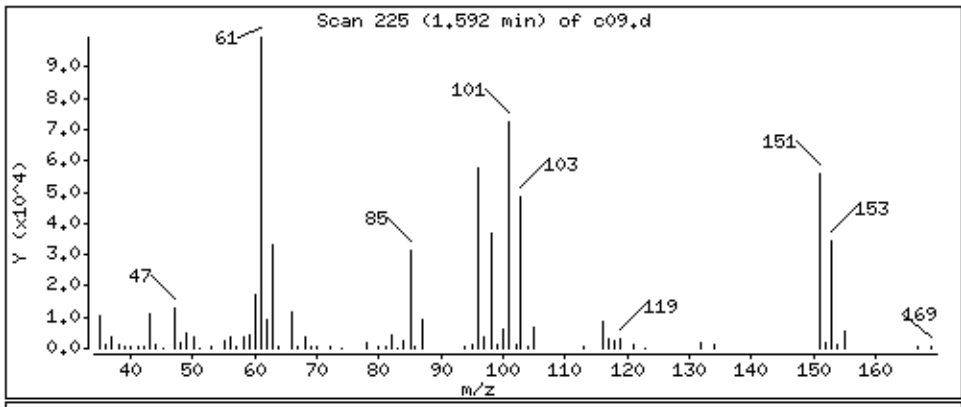
Column phase: DB-624

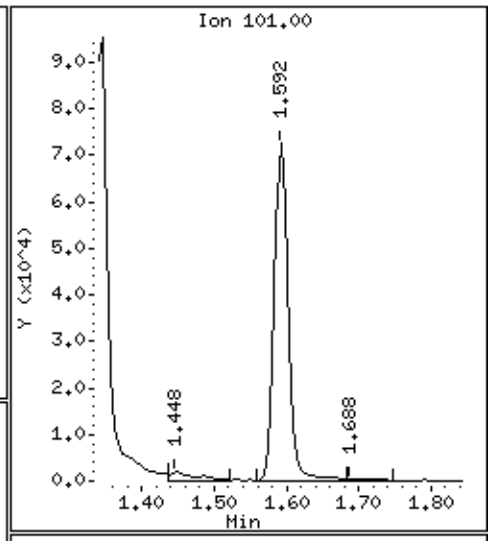
Column diameter: 0.18

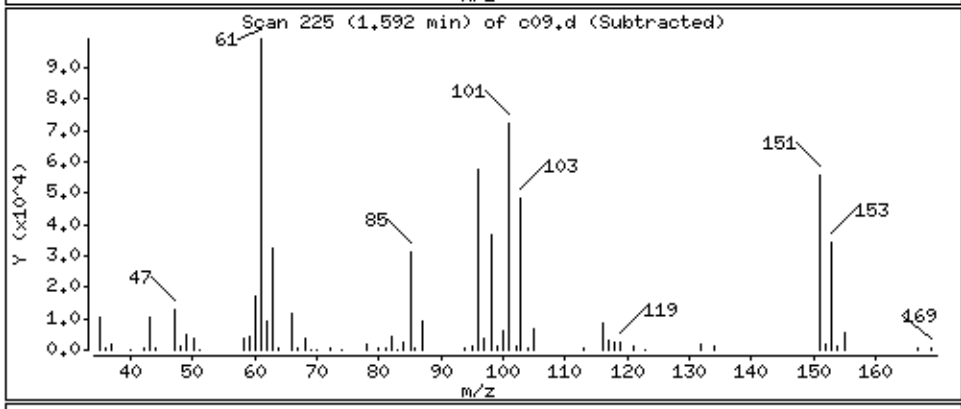
10 1,1,2trichlorotrifluoroethane

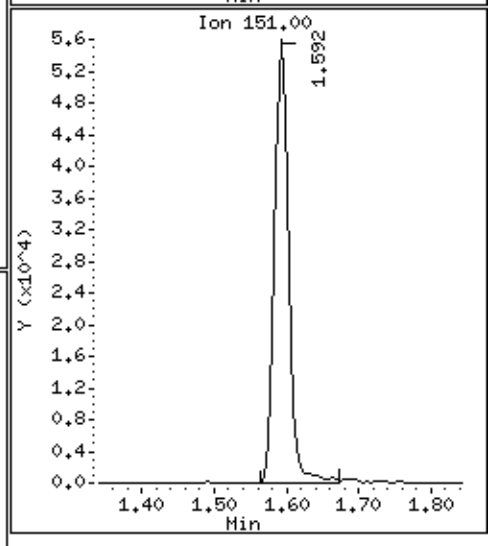
Concentration: 38.6 ppb

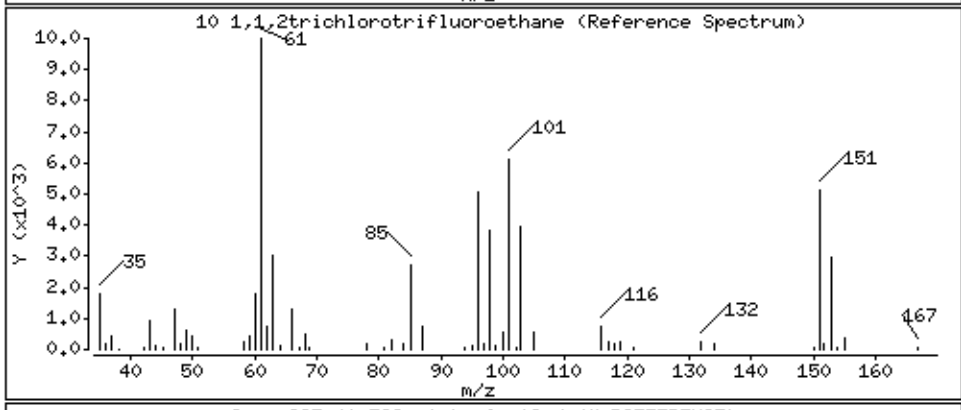
Review Code:

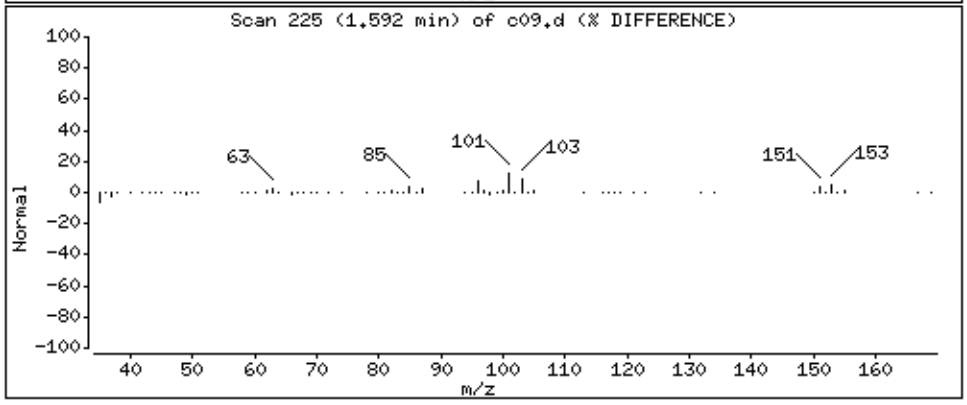












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

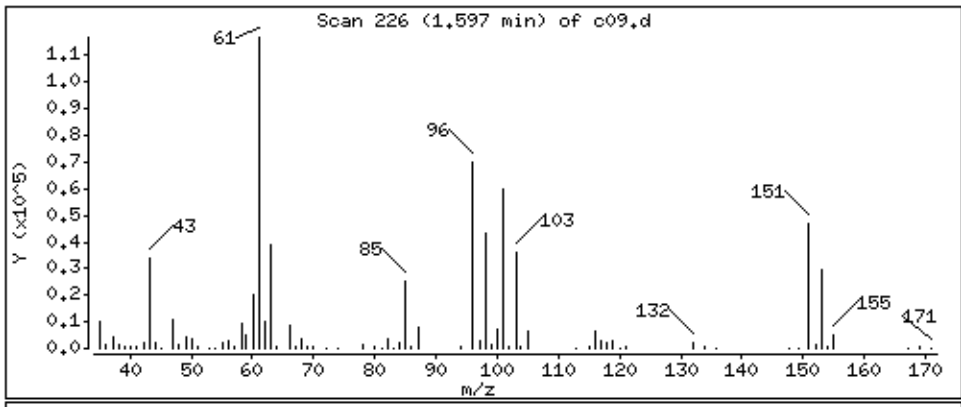
Column phase: DB-624

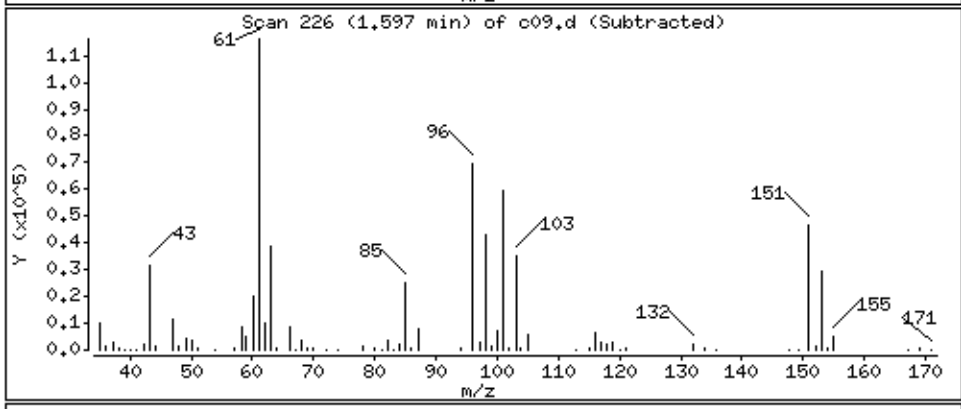
Column diameter: 0.18

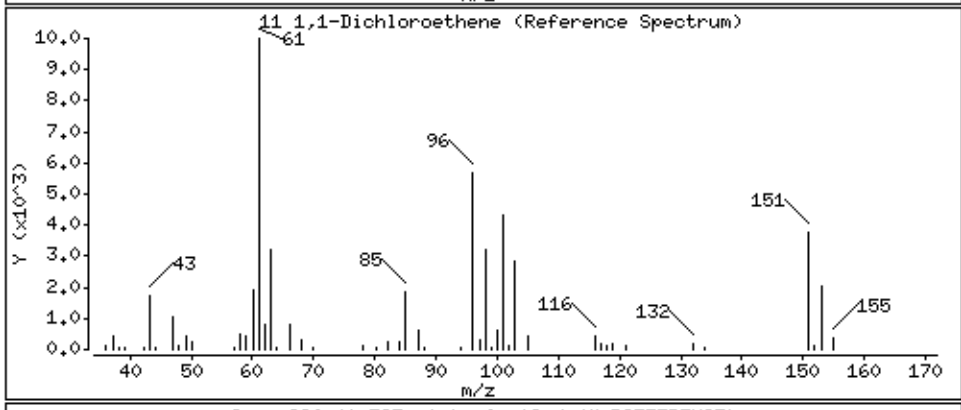
11 1,1-Dichloroethene

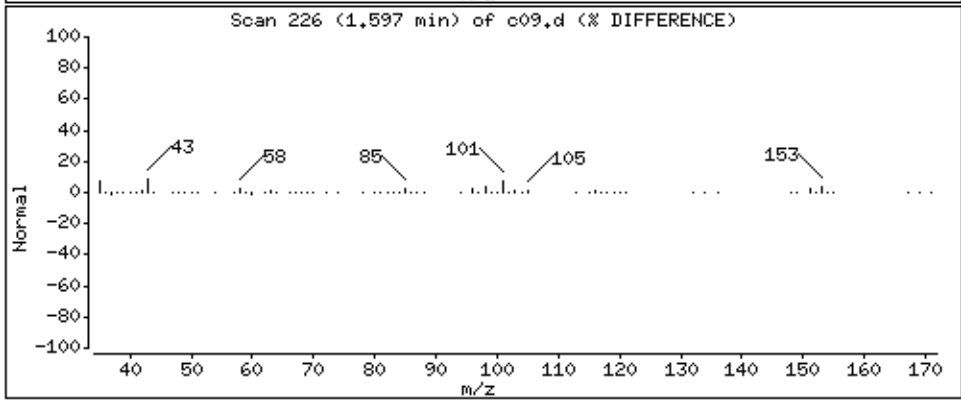
Concentration: 37.3 ppb

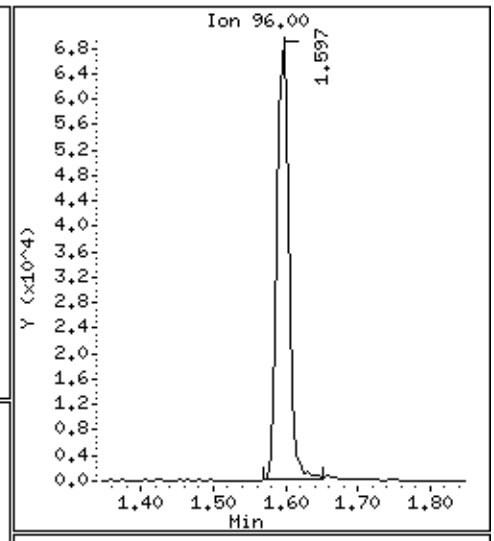
Review Code:

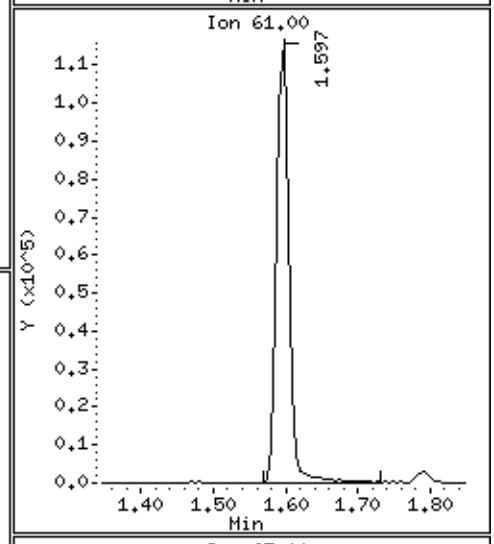


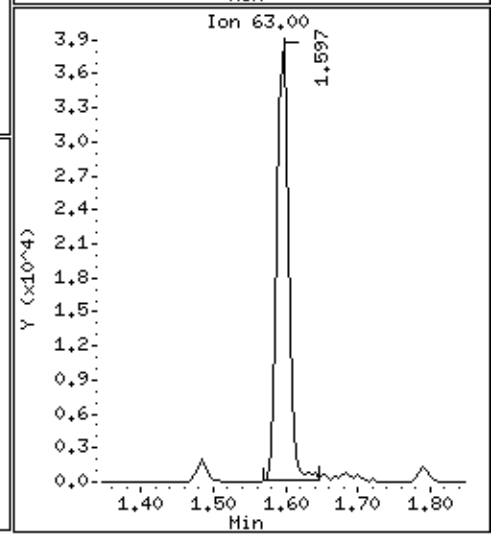












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

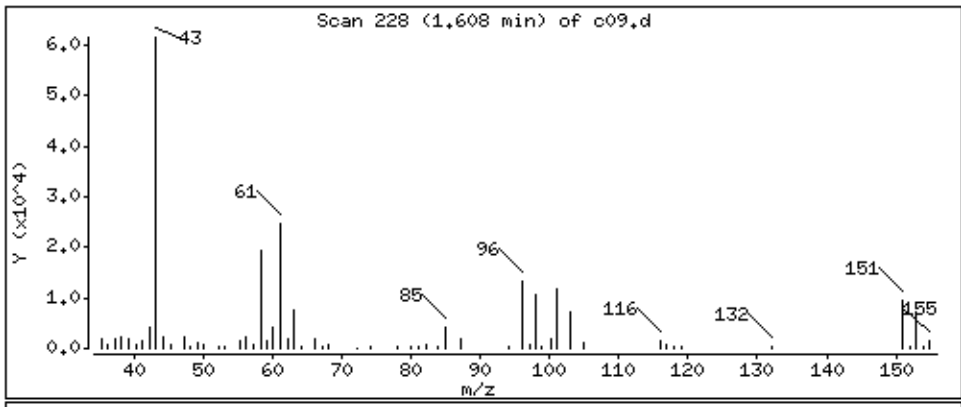
Column phase: DB-624

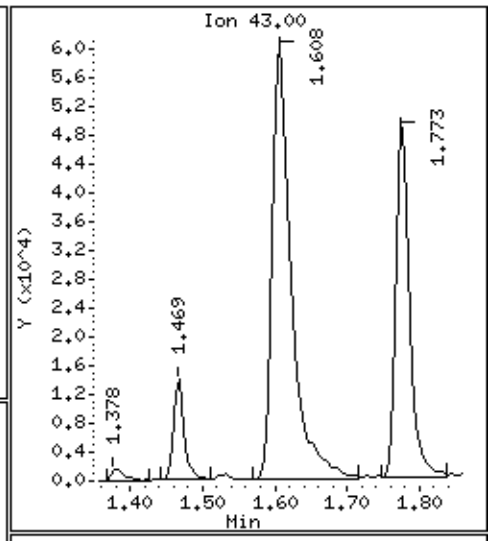
Column diameter: 0.18

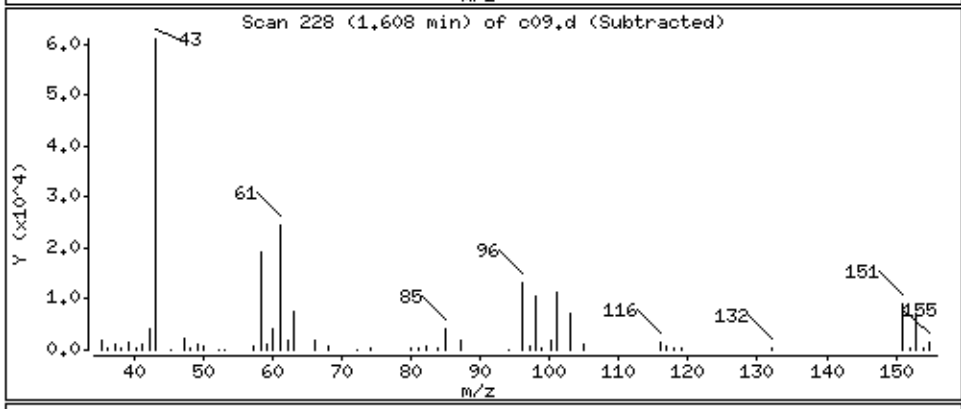
12 Acetone

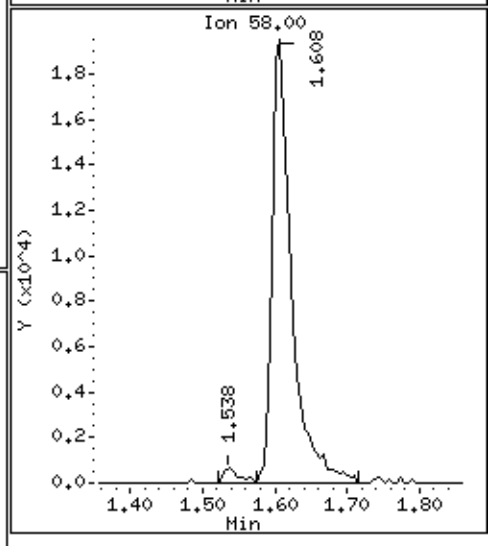
Concentration: 269 ppb

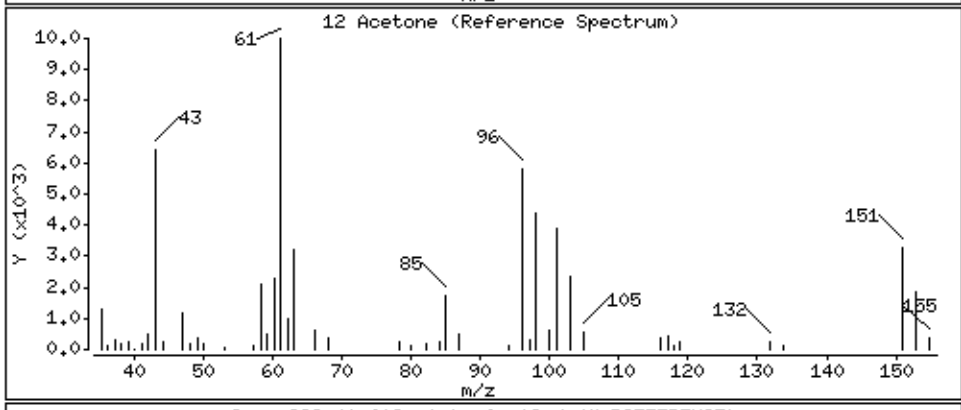
Review Code:

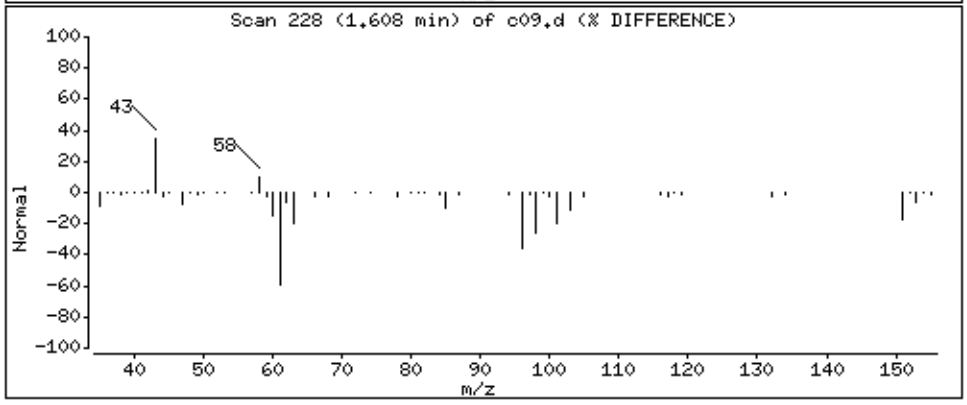












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

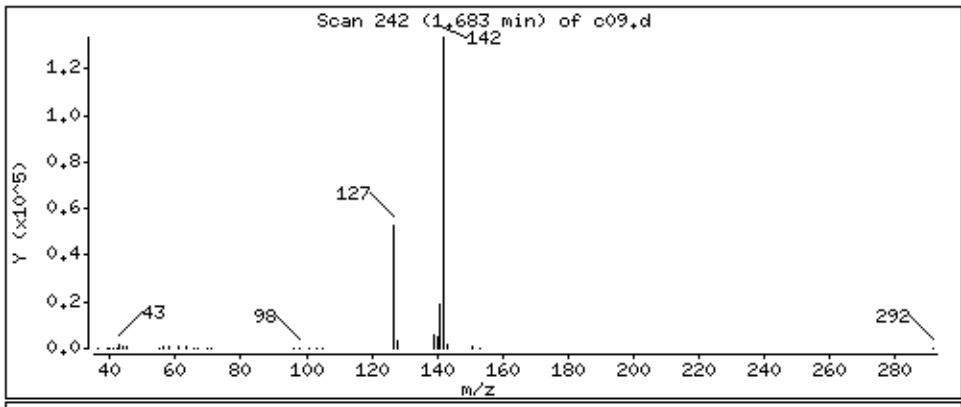
Column phase: DB-624

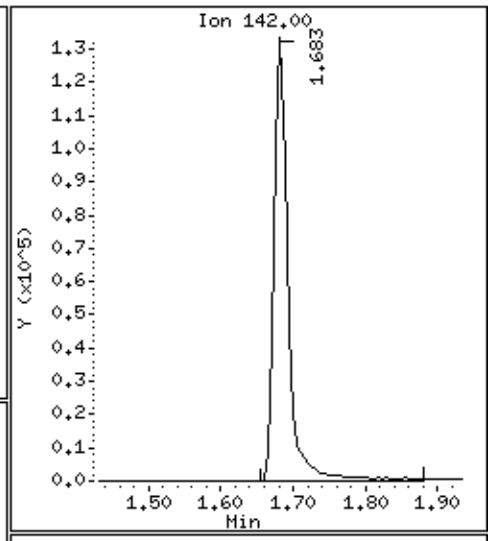
Column diameter: 0.18

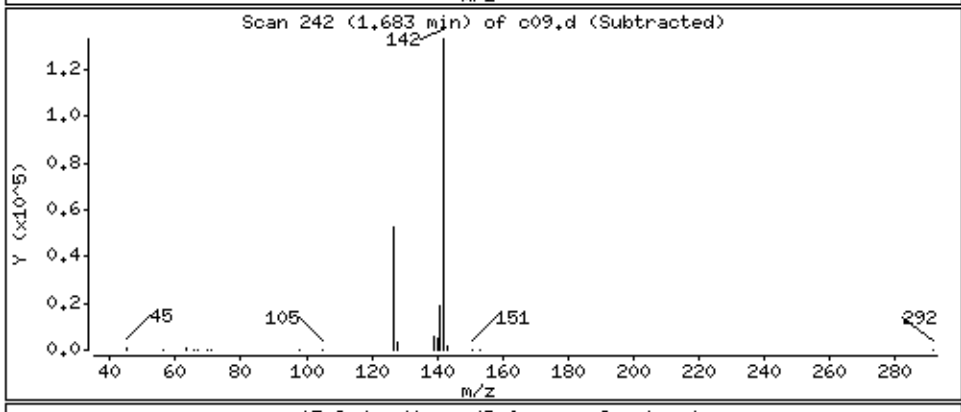
13 Iodomethane

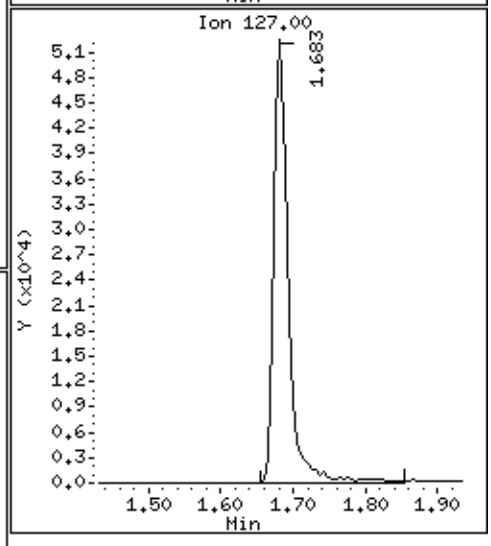
Concentration: 92.5 ppb

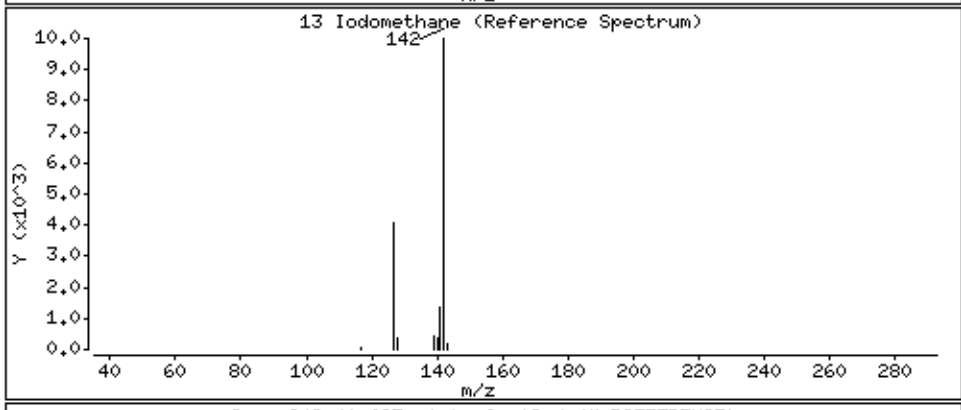
Review Code:

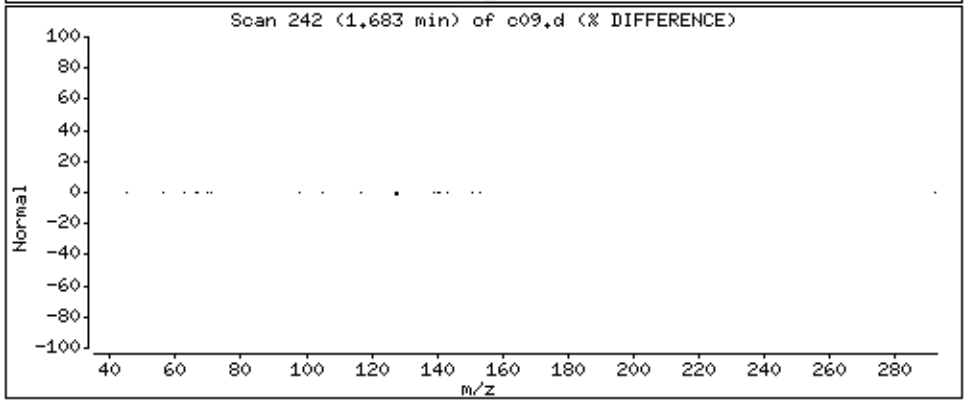












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

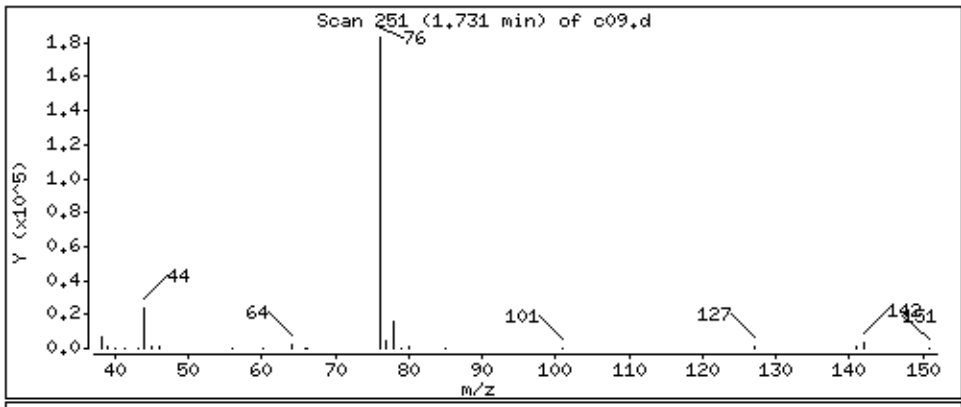
Column phase: DB-624

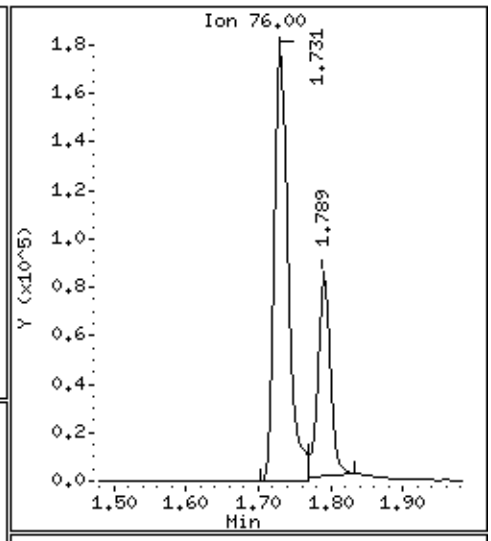
Column diameter: 0.18

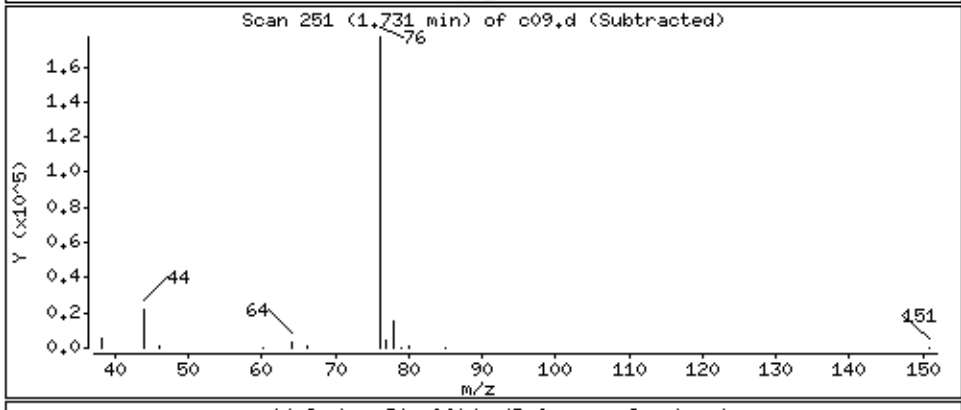
14 Carbon Disulfide

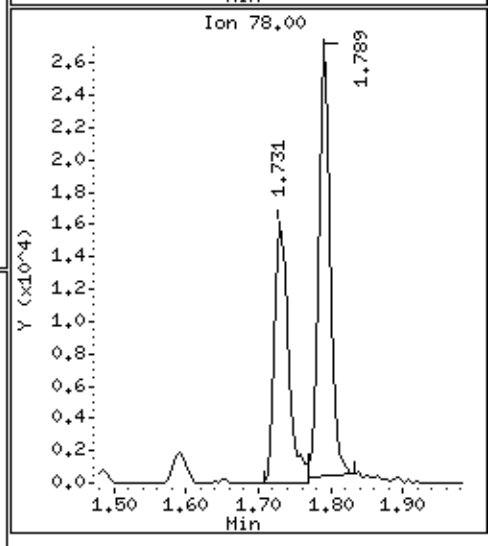
Concentration: 37.2 ppb

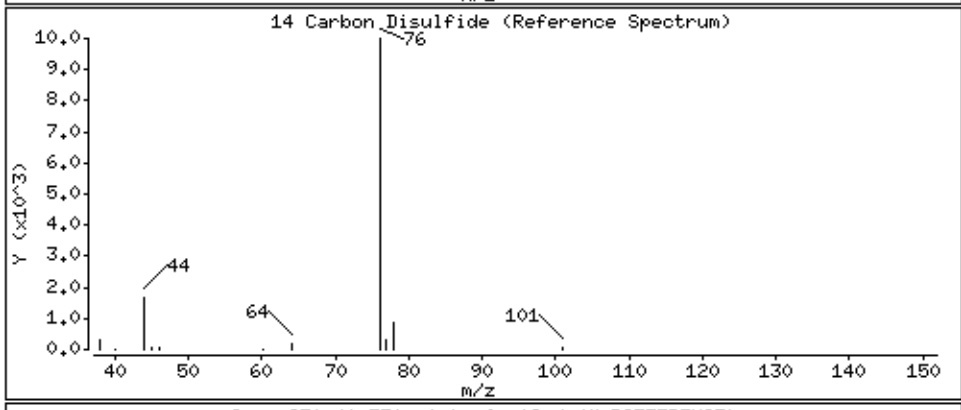
Review Code:

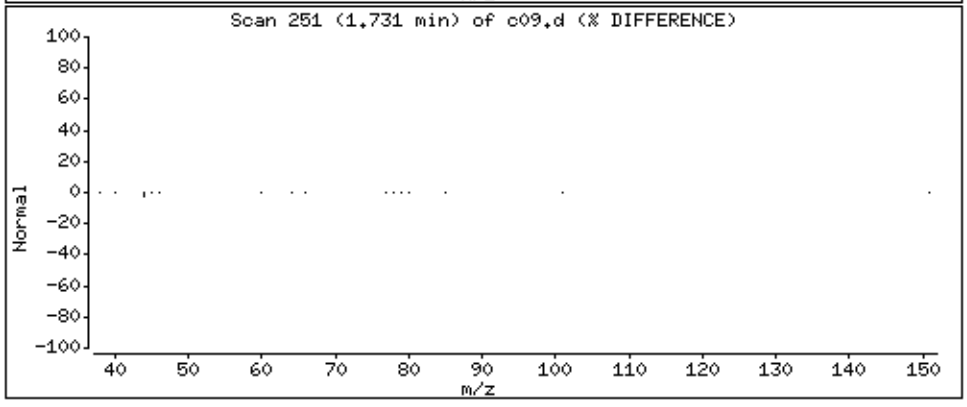












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

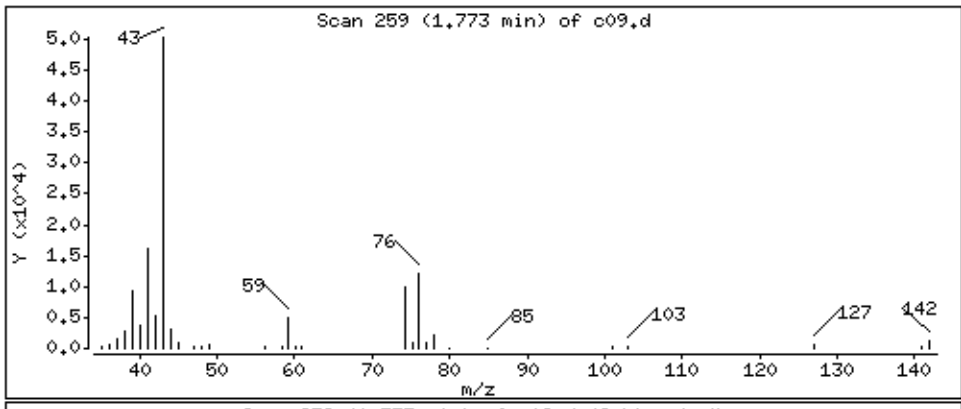
Column phase: DB-624

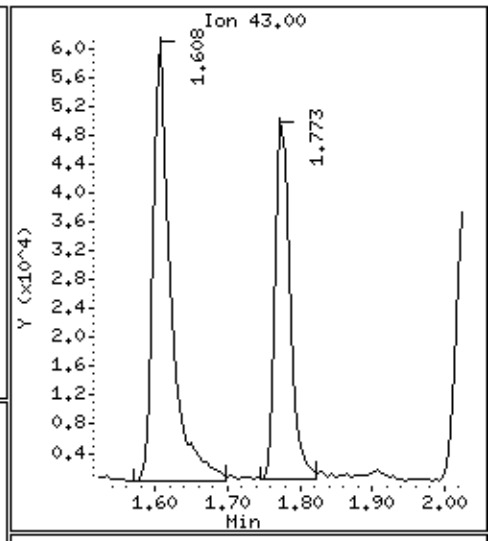
Column diameter: 0.18

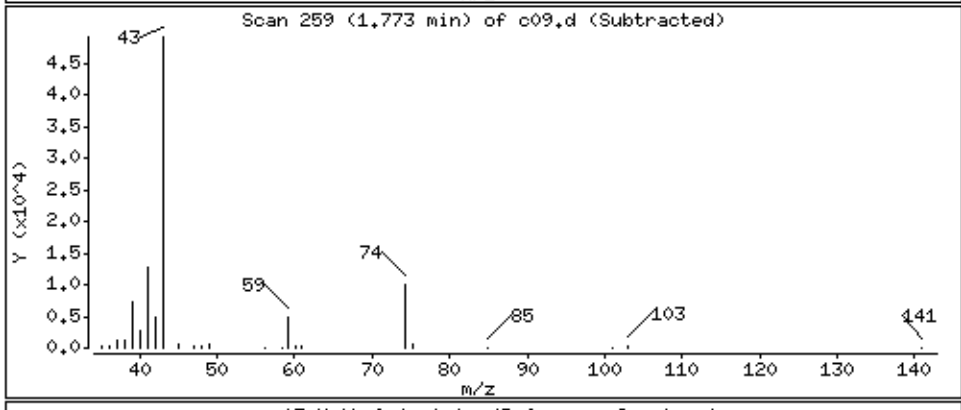
15 Methyl Acetate

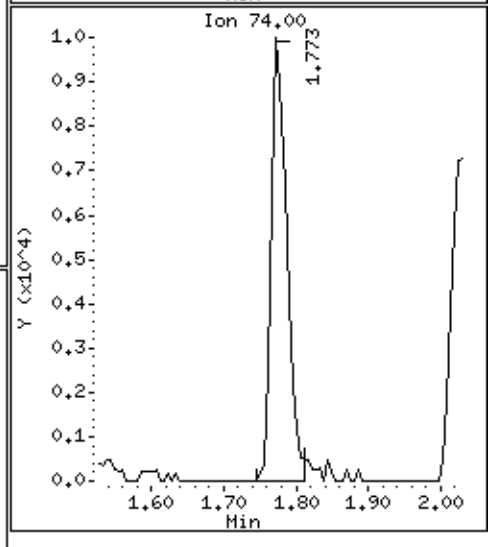
Concentration: 55.8 ppb

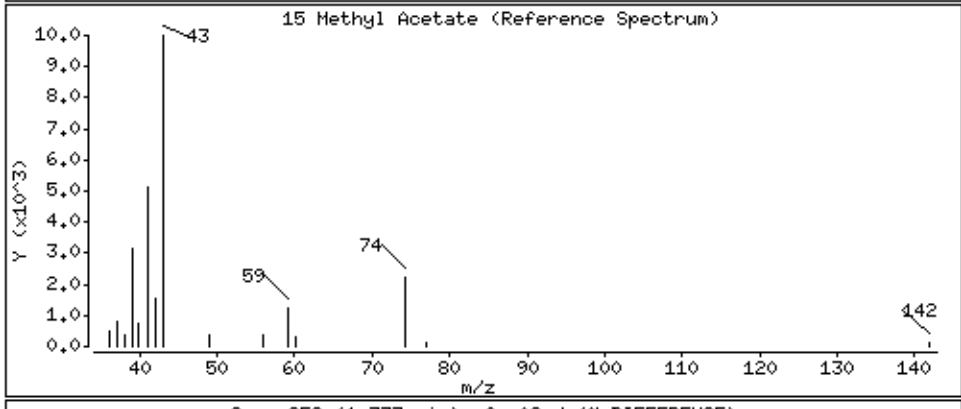
Review Code:

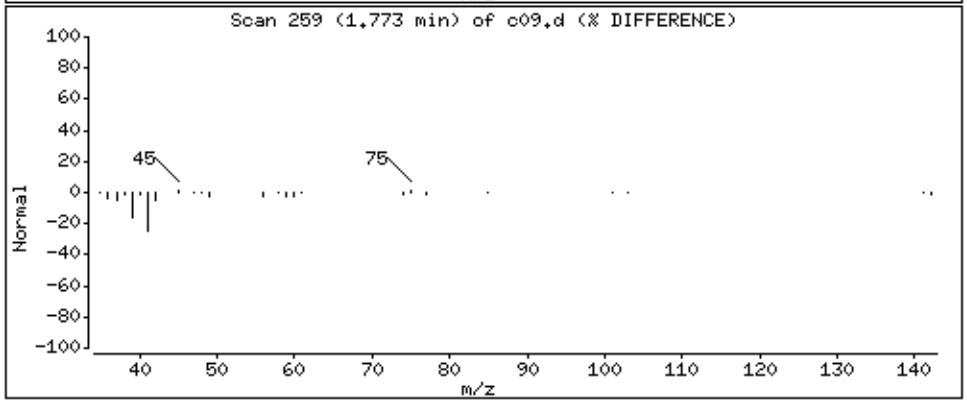












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

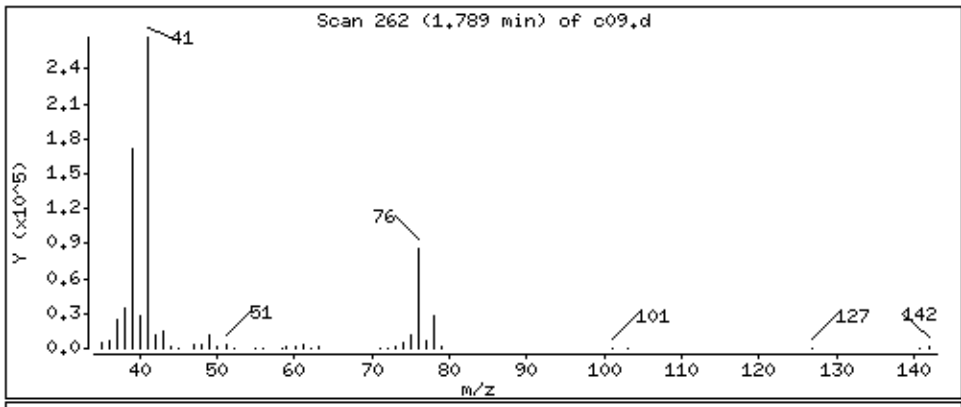
Column phase: DB-624

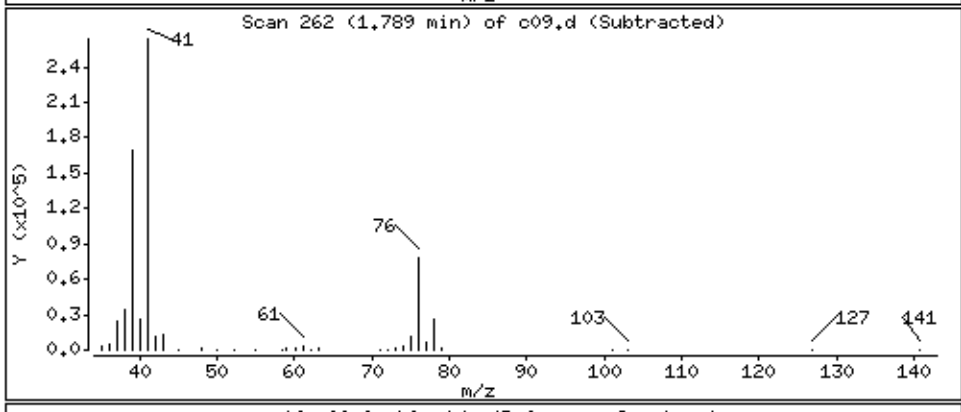
Column diameter: 0.18

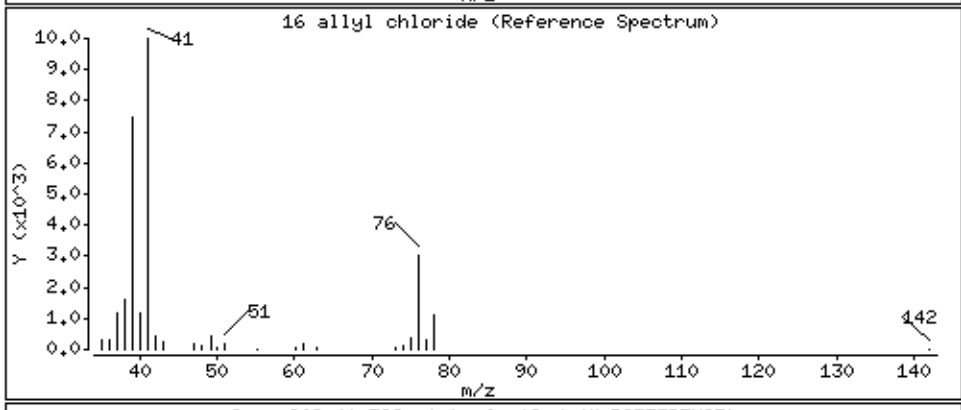
16 allyl chloride

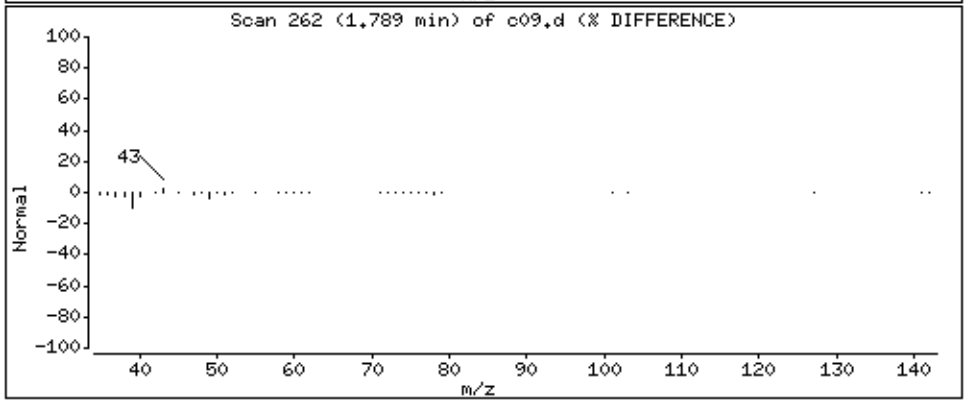
Concentration: 81.3 ppb

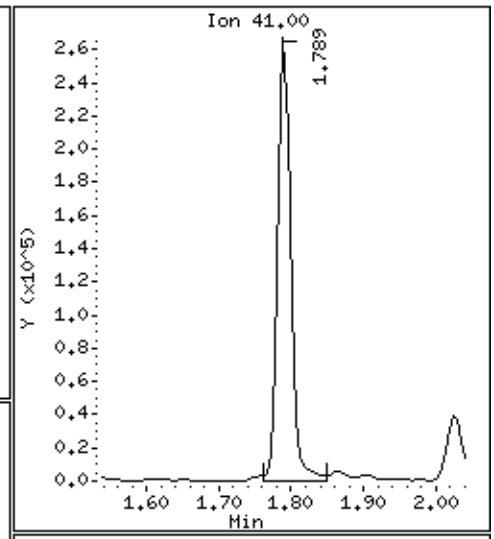
Review Code:

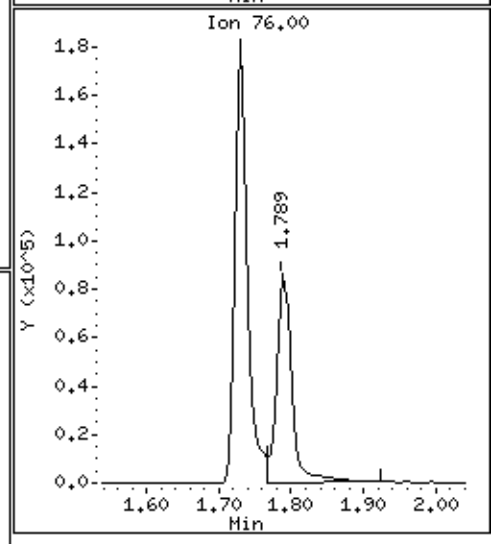












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

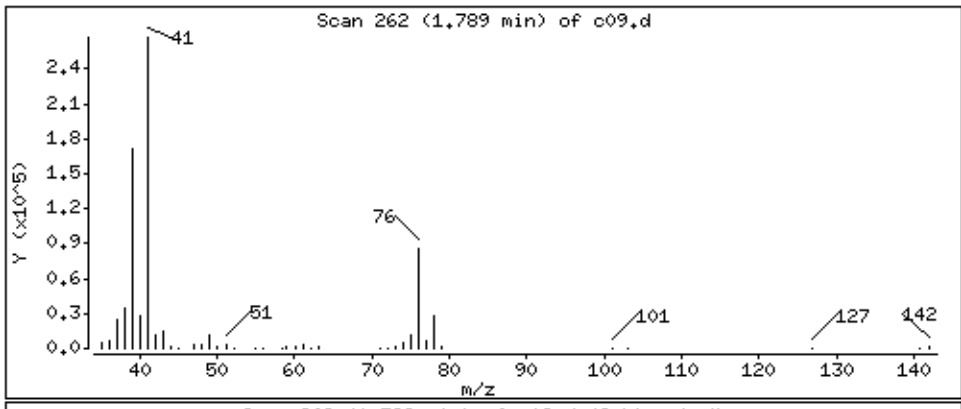
Column phase: DB-624

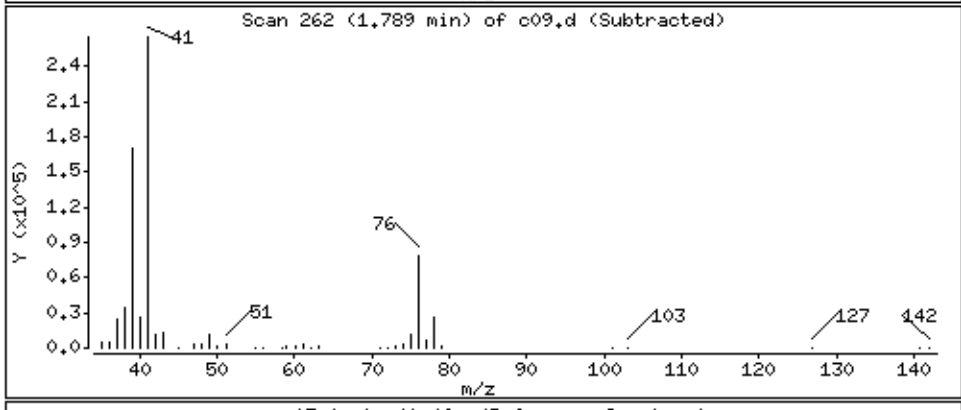
Column diameter: 0.18

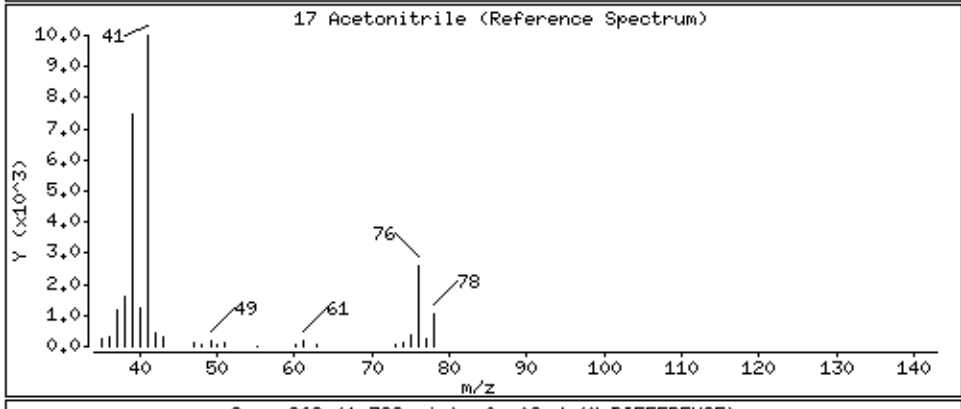
17 Acetonitrile

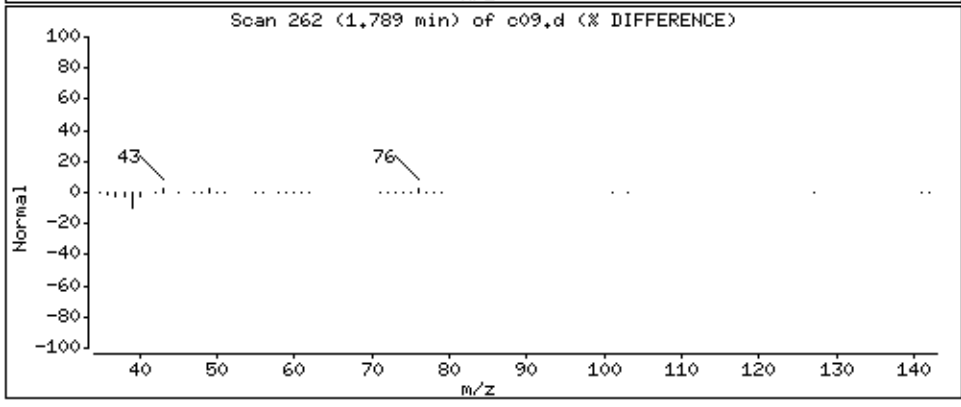
Concentration: 36.6 ppb

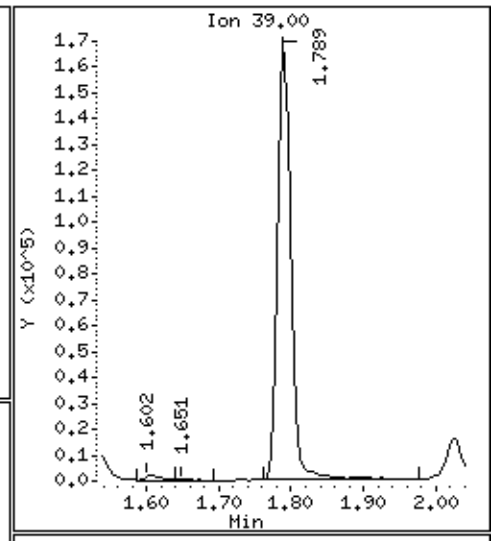
Review Code:

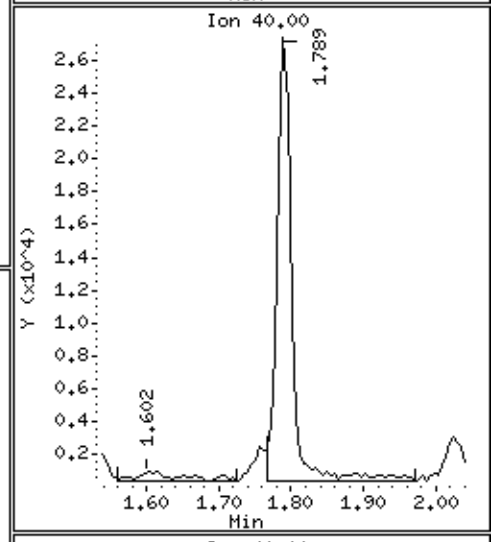


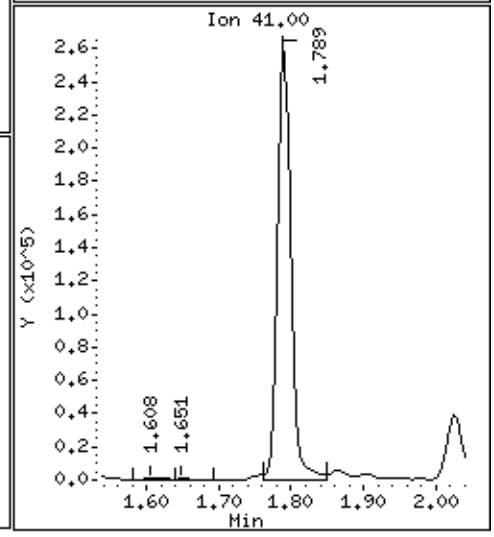












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

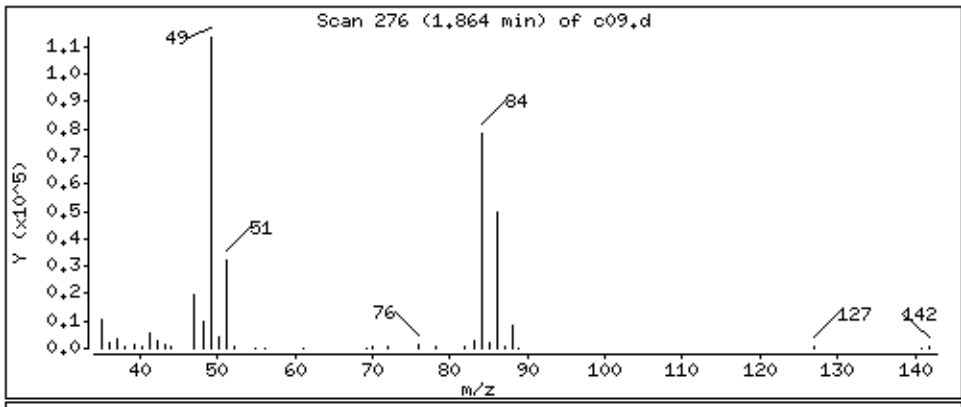
Column phase: DB-624

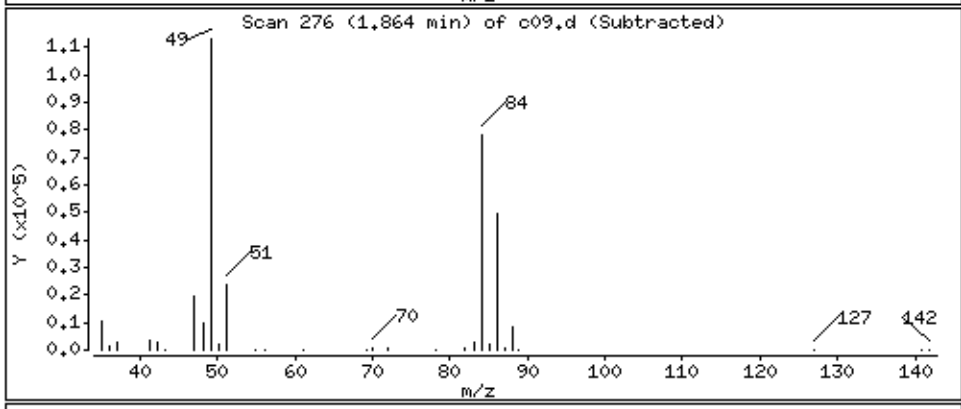
Column diameter: 0.18

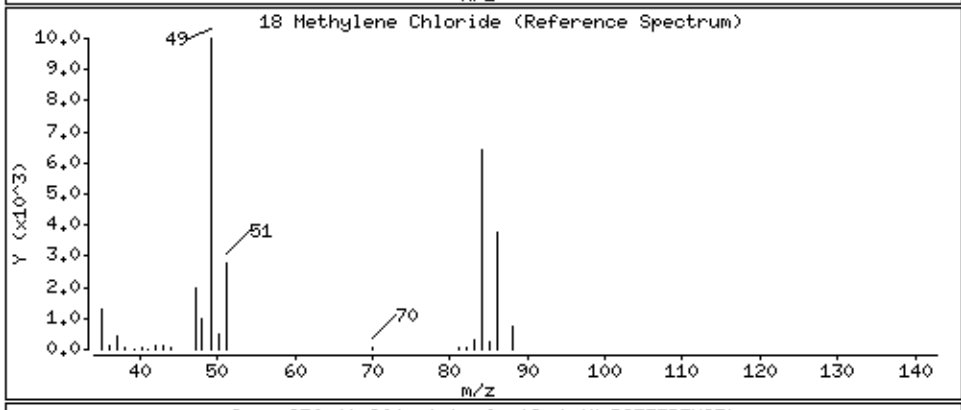
18 Methylene Chloride

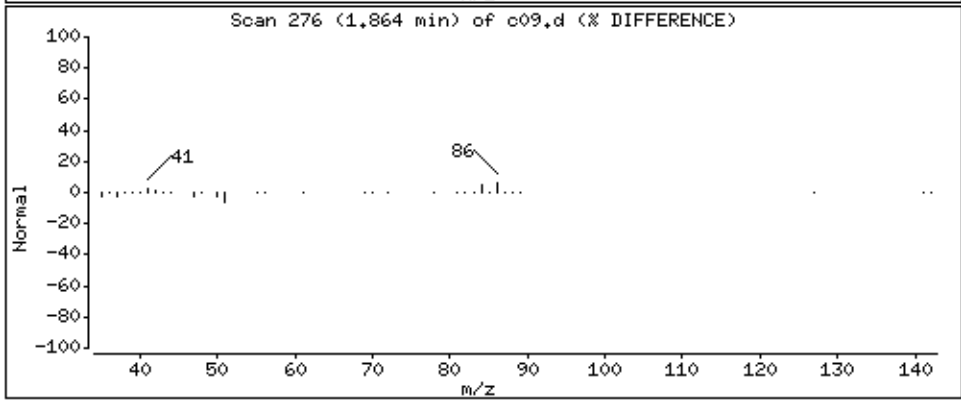
Concentration: 54.4 ppb

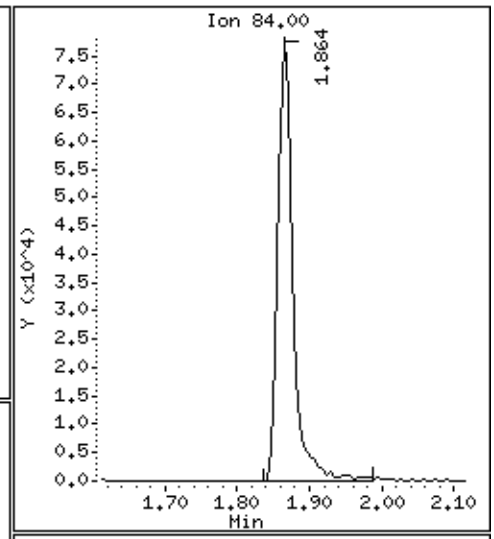
Review Code:

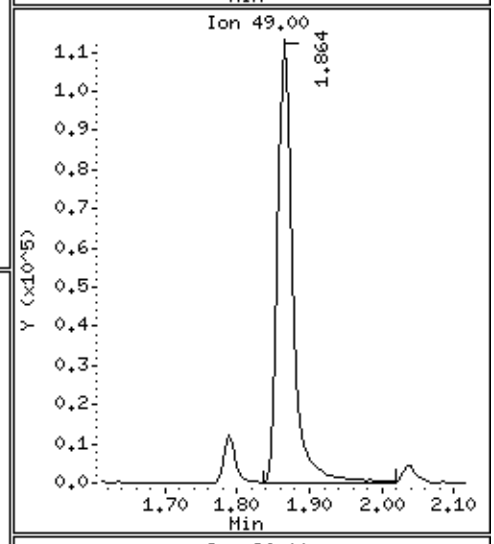


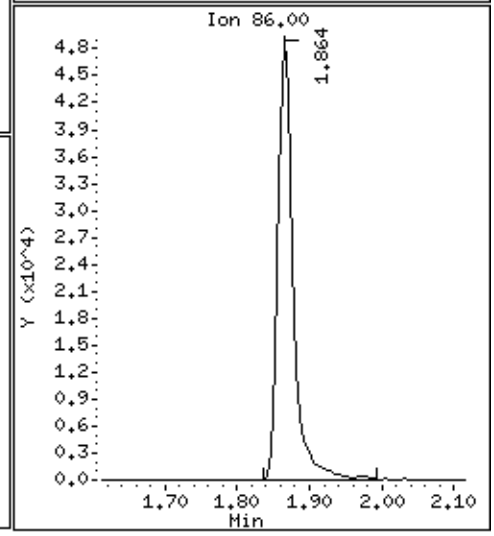












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

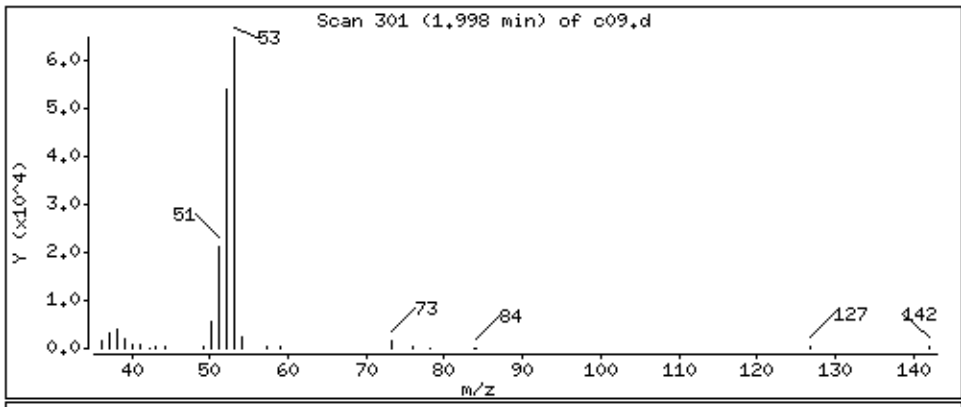
Column phase: DB-624

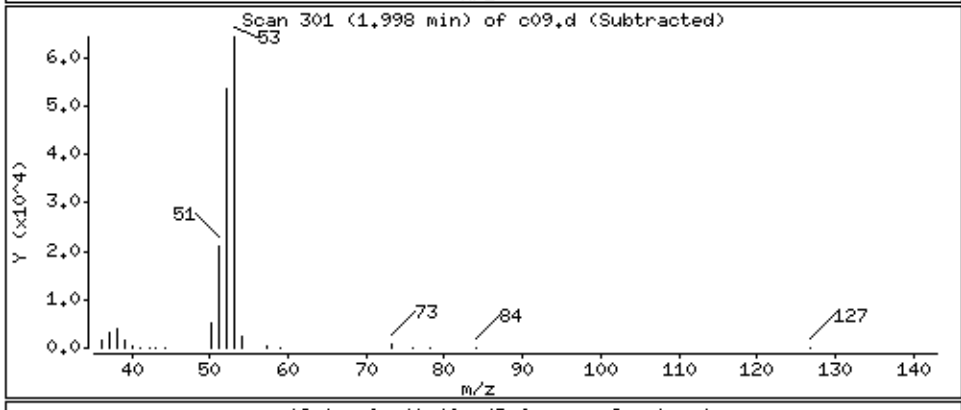
Column diameter: 0.18

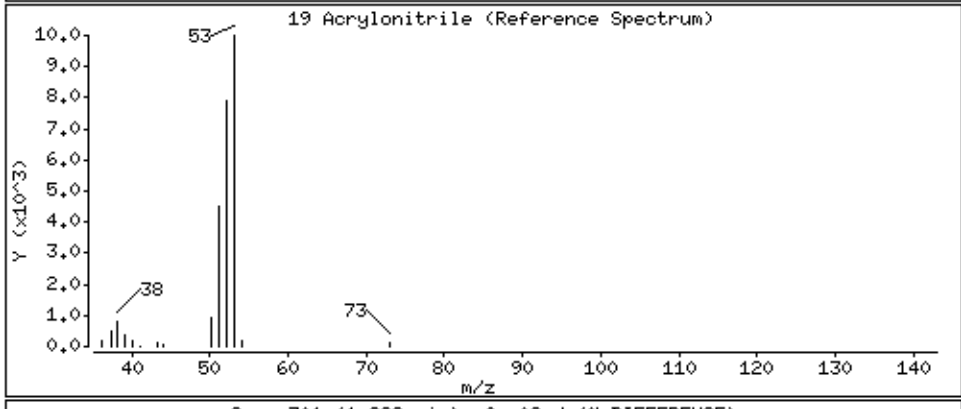
19 Acrylonitrile

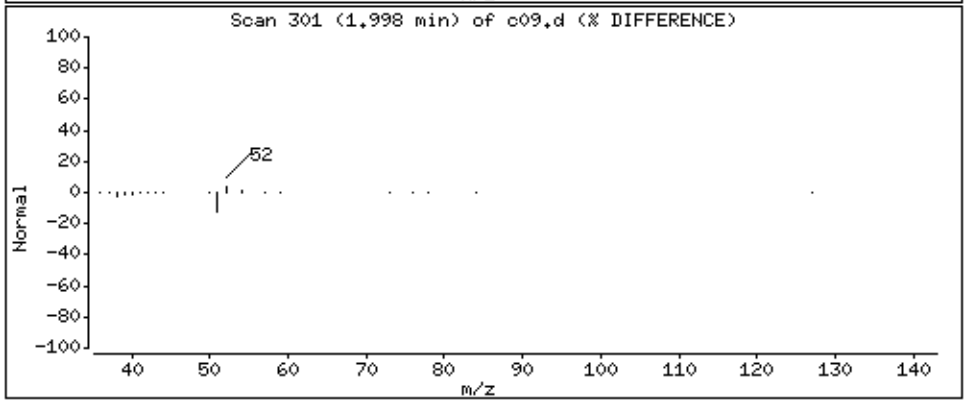
Concentration: 213 ppb

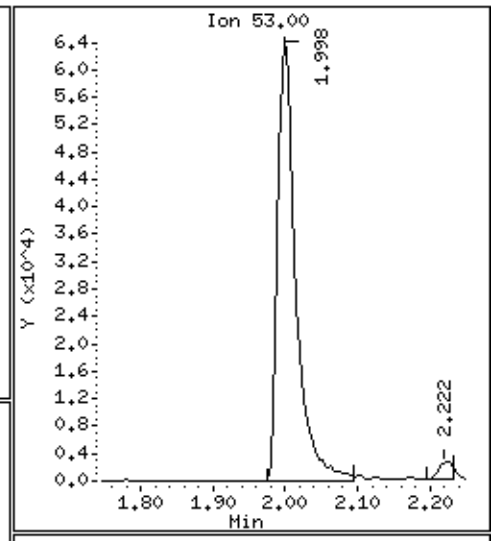
Review Code:

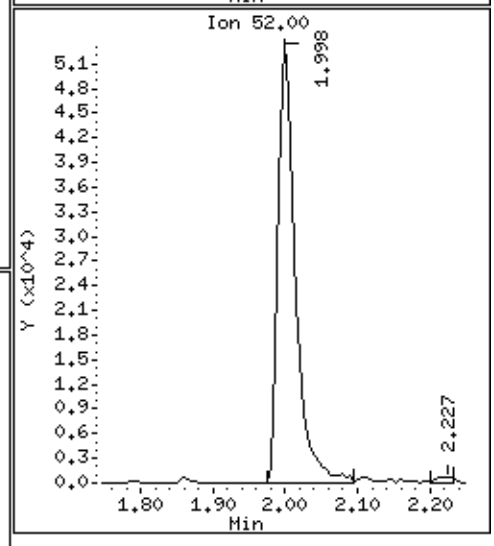












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

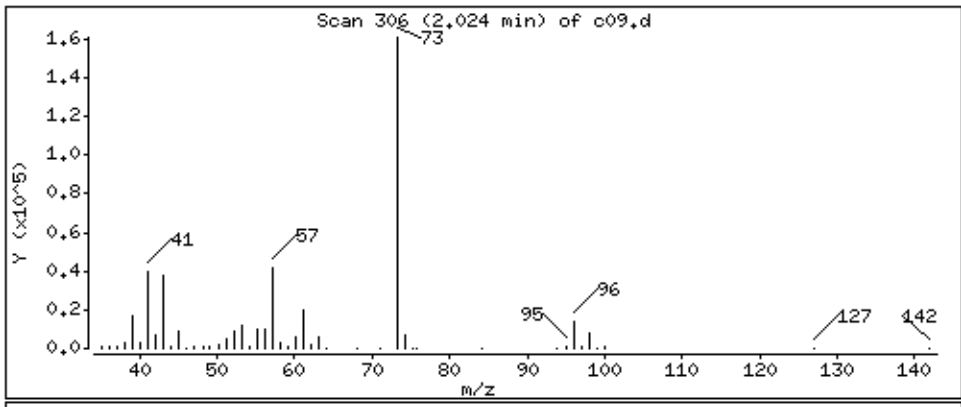
Column phase: DB-624

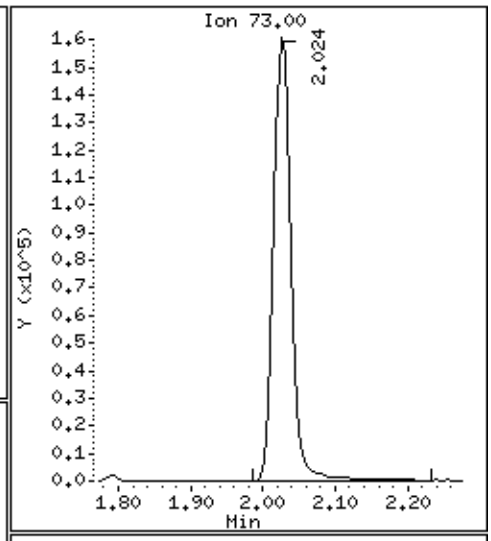
Column diameter: 0.18

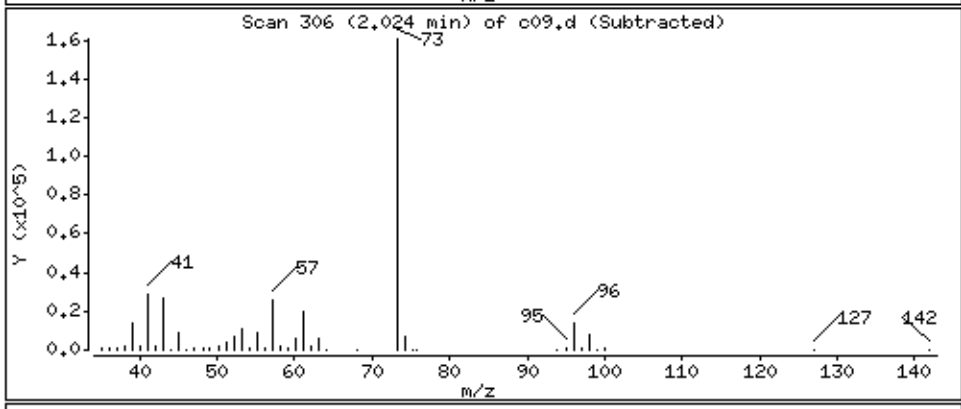
20 Methyl-tert-butyl ether

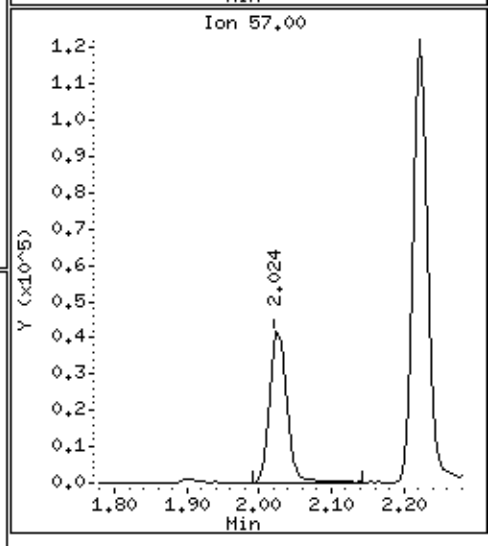
Concentration: 49.4 ppb

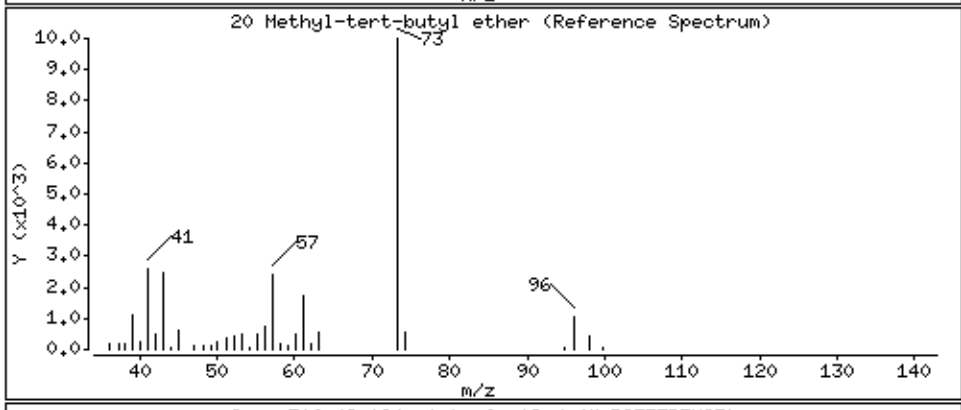
Review Code:

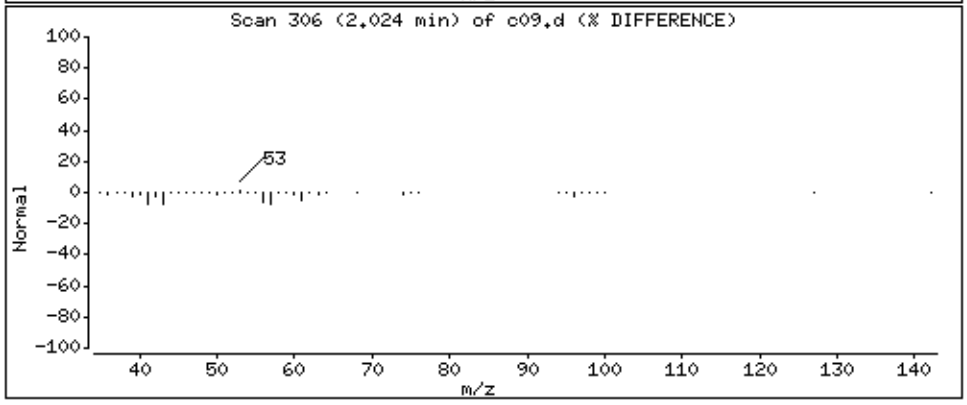












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

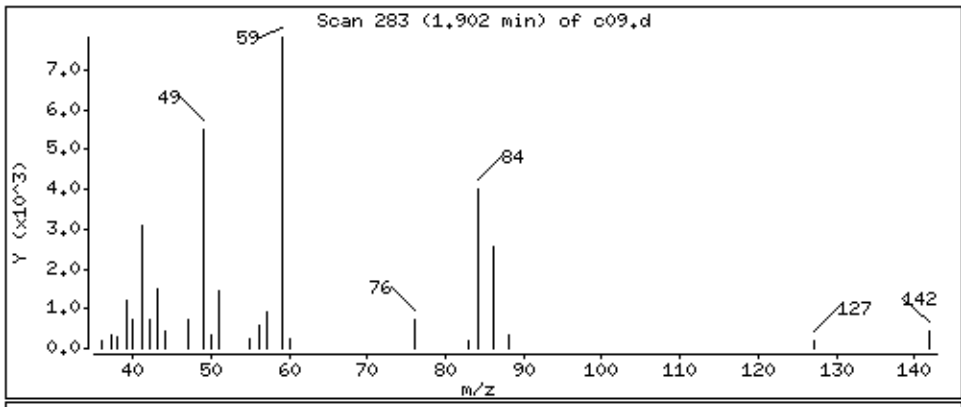
Column phase: DB-624

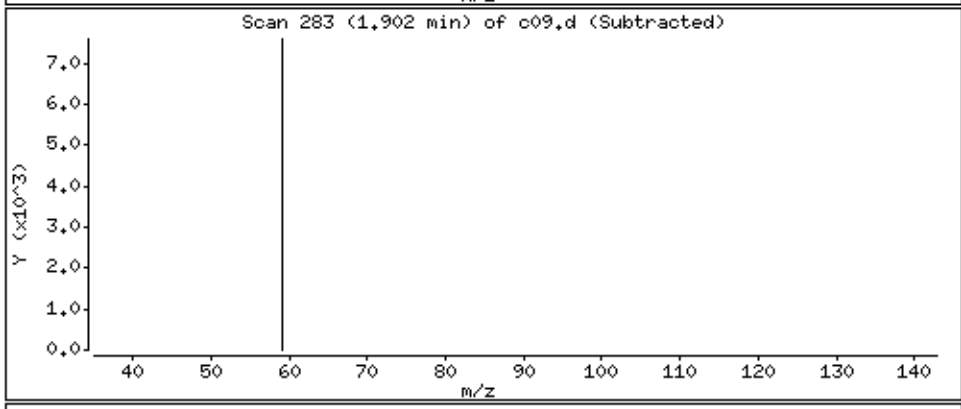
Column diameter: 0.18

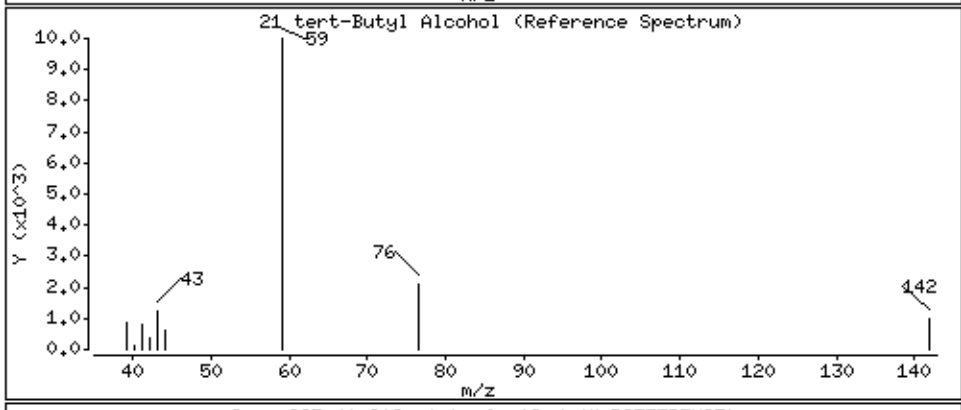
21 tert-Butyl Alcohol

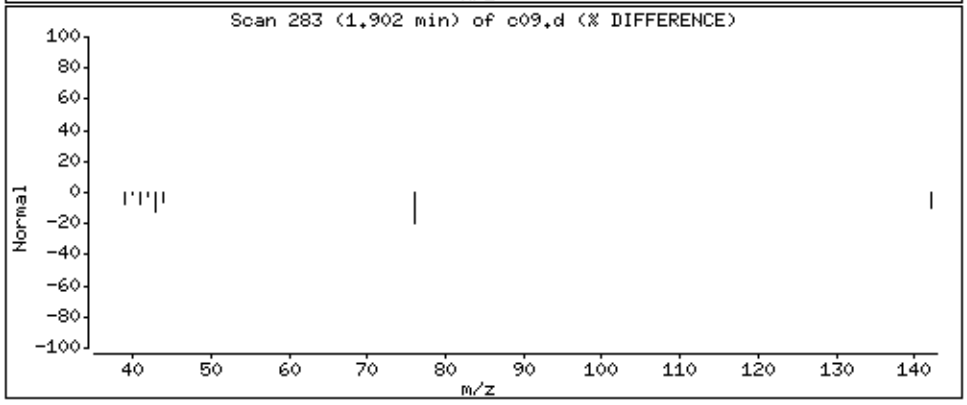
Concentration: 119 ppb

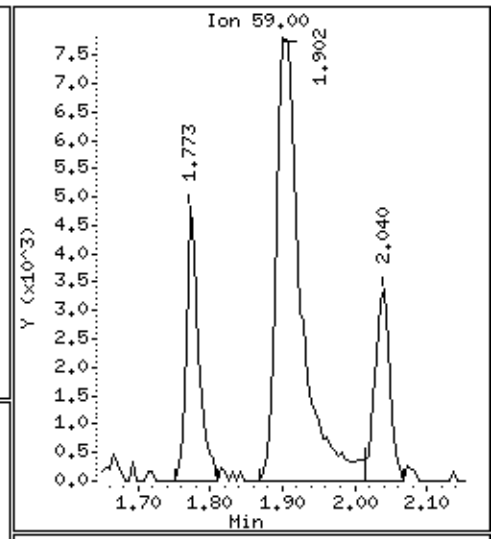
Review Code:

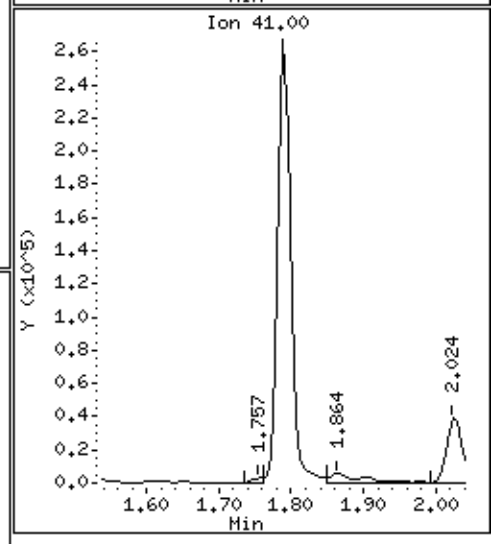












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

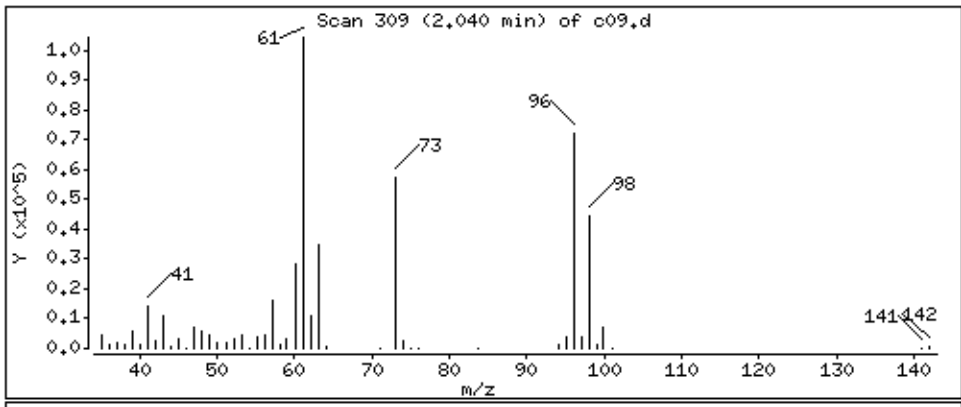
Column phase: DB-624

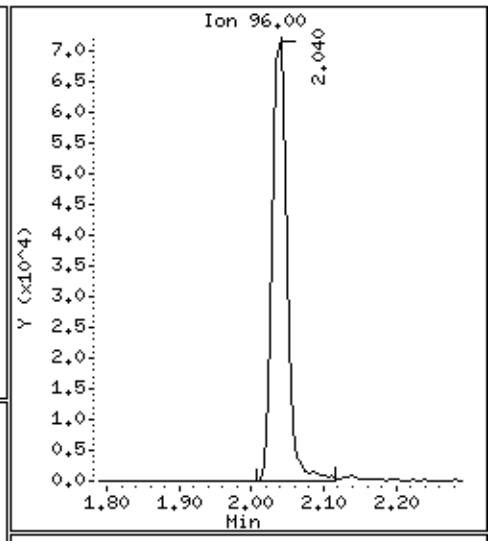
Column diameter: 0.18

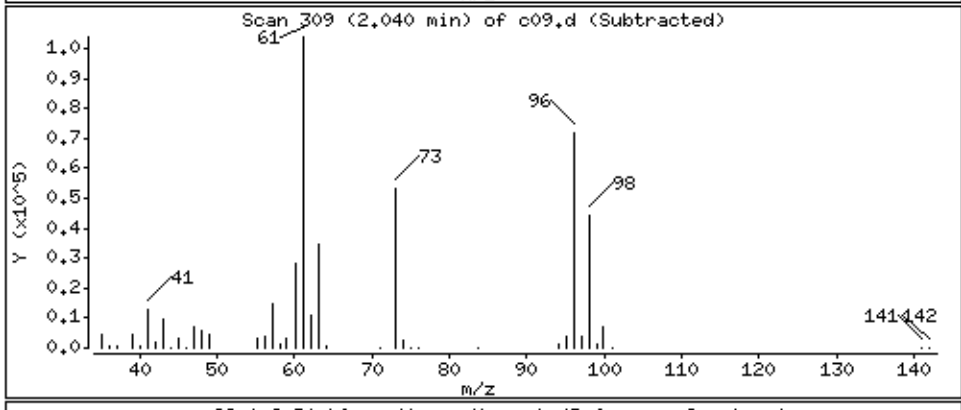
22 1,2-Dichloroethene (trans)

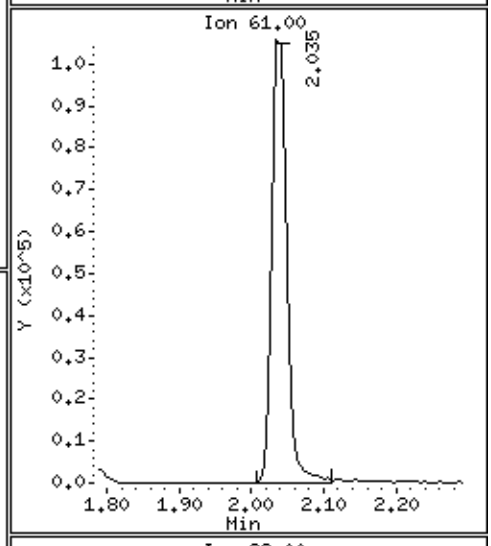
Concentration: 43.8 ppb

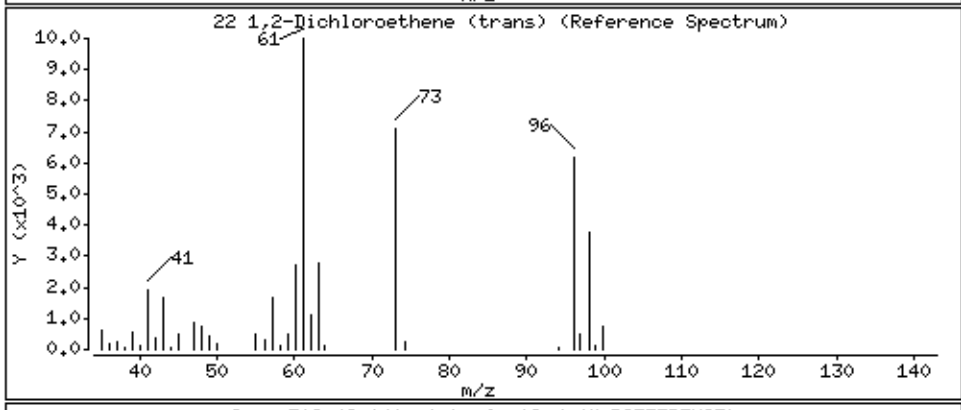
Review Code:

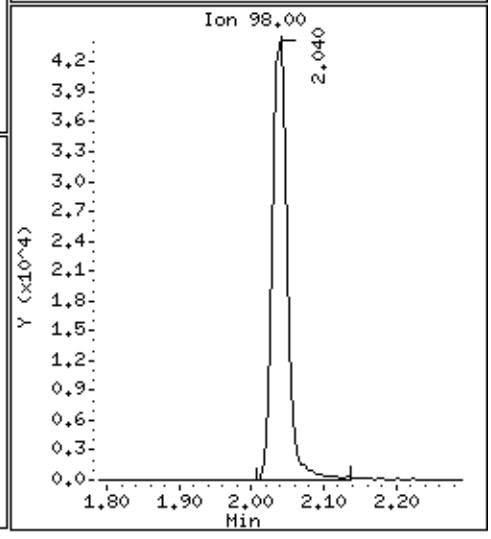


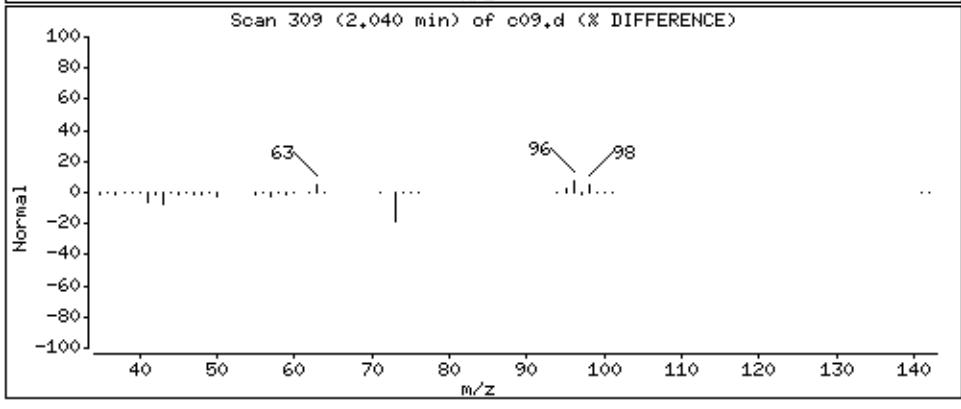












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

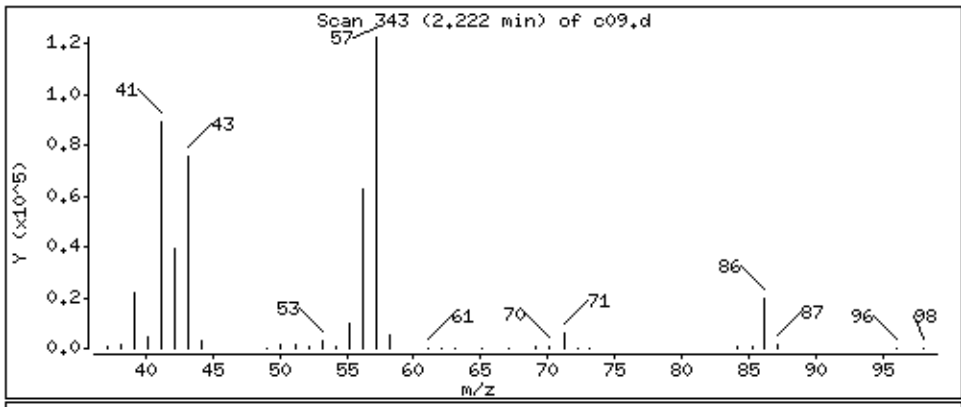
Column phase: DB-624

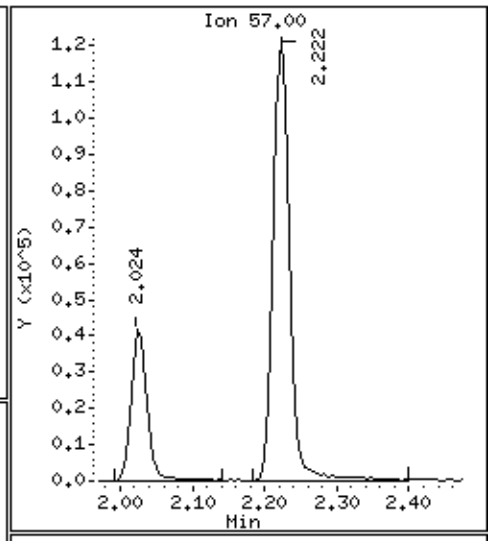
Column diameter: 0.18

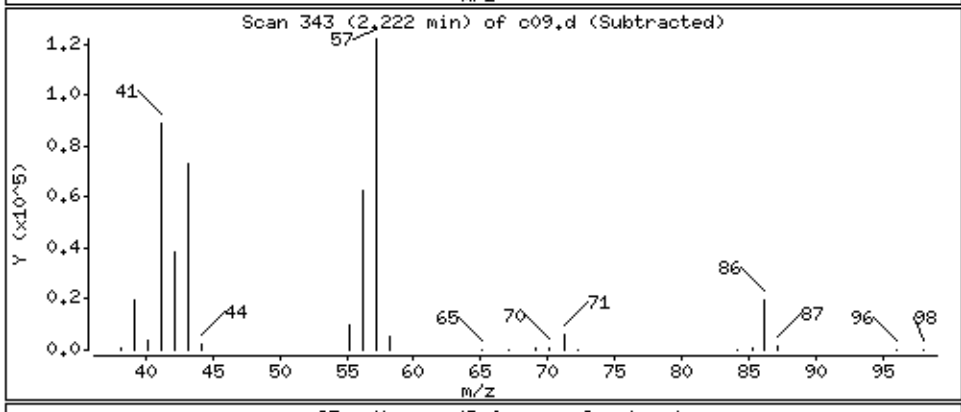
23 n-Hexane

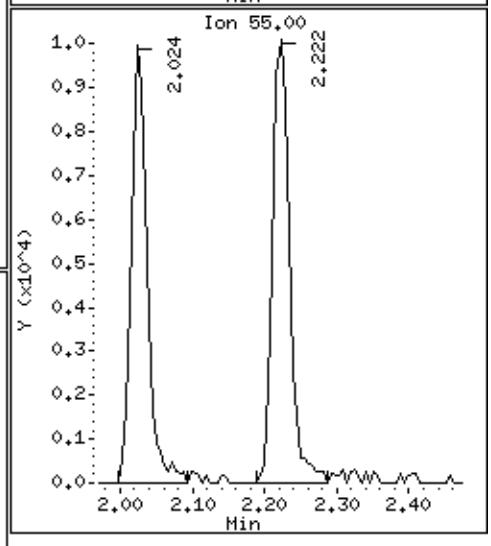
Concentration: 41.9 ppb

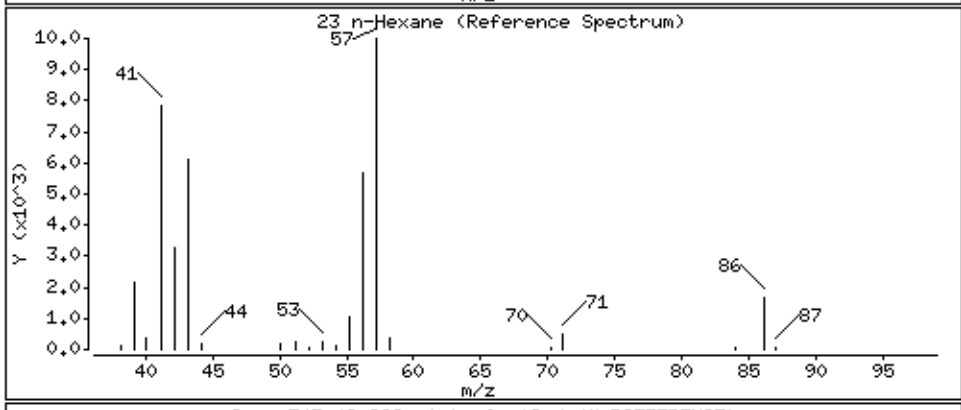
Review Code:

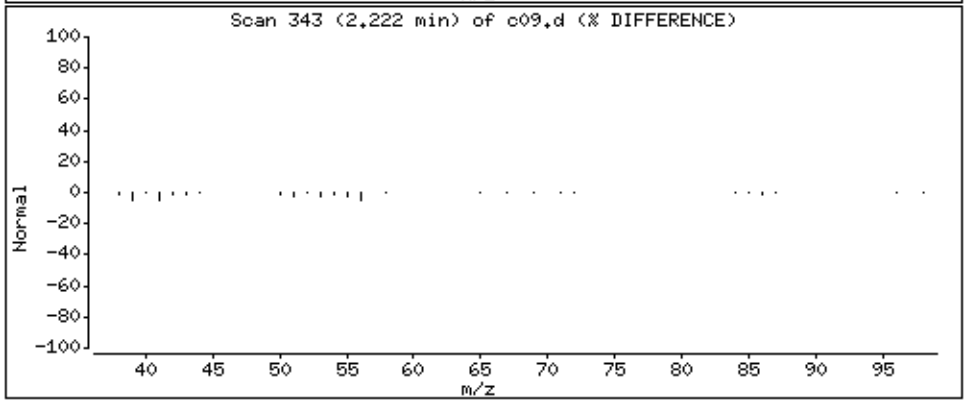












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

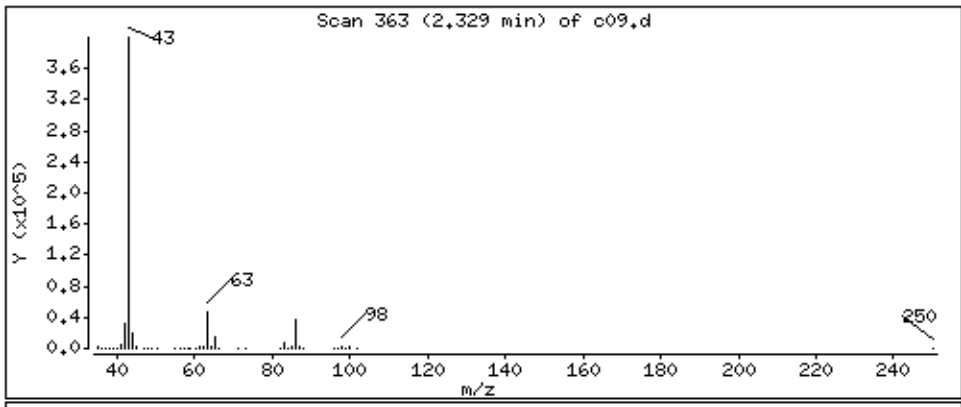
Column phase: DB-624

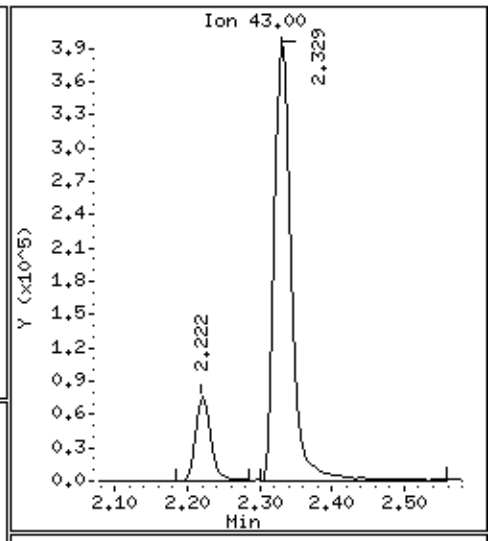
Column diameter: 0.18

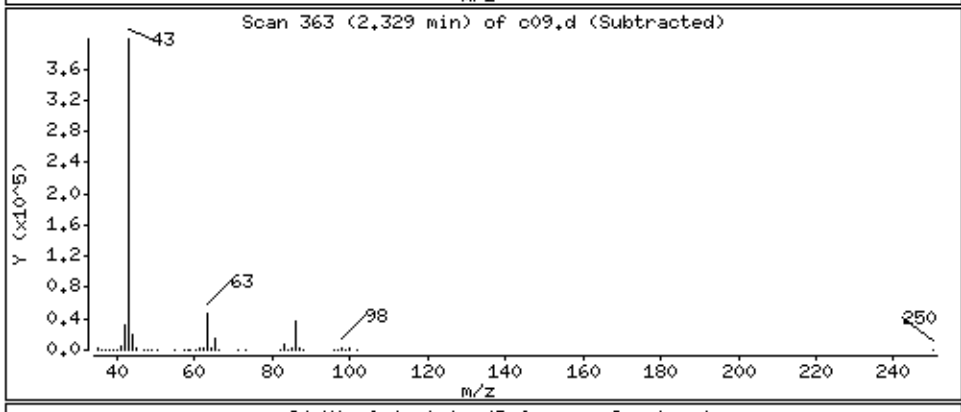
24 Vinyl Acetate

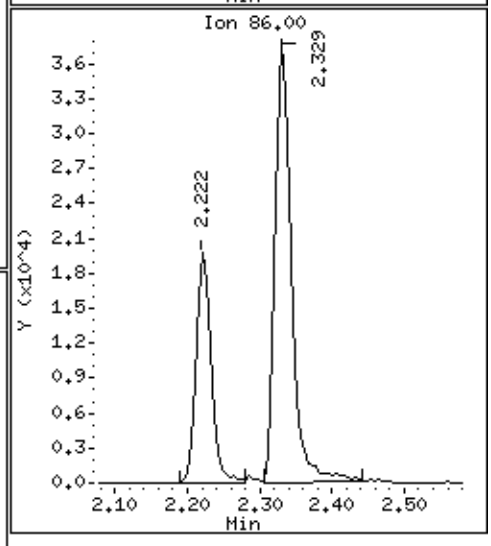
Concentration: 178 ppb

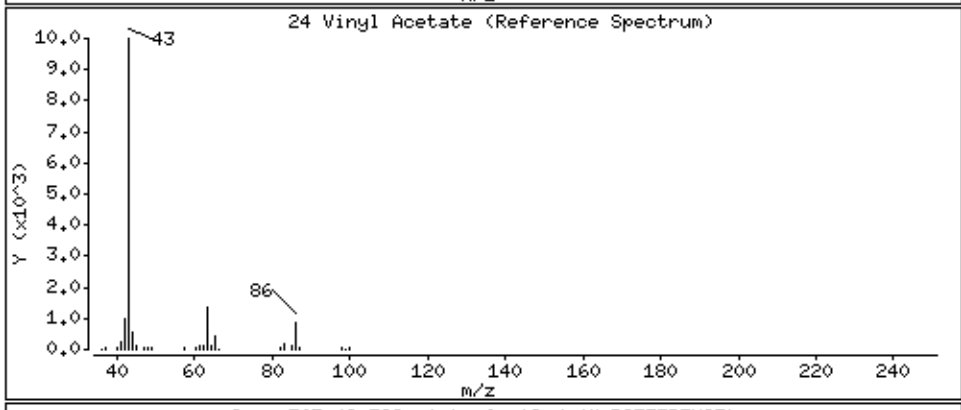
Review Code:

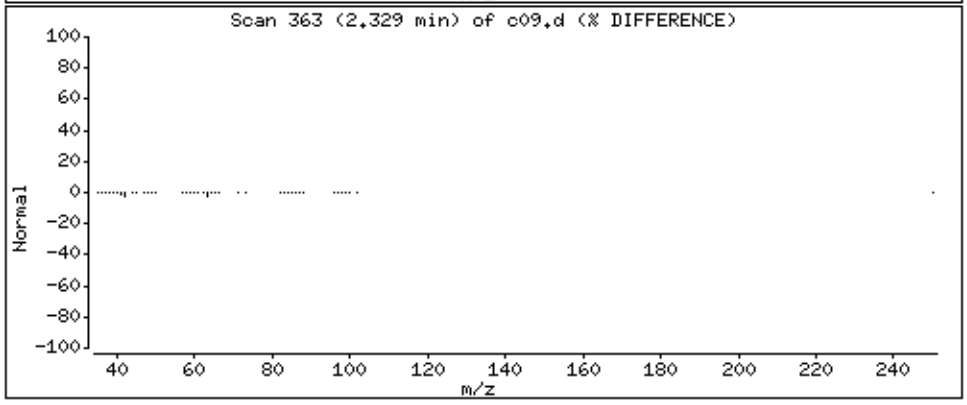












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

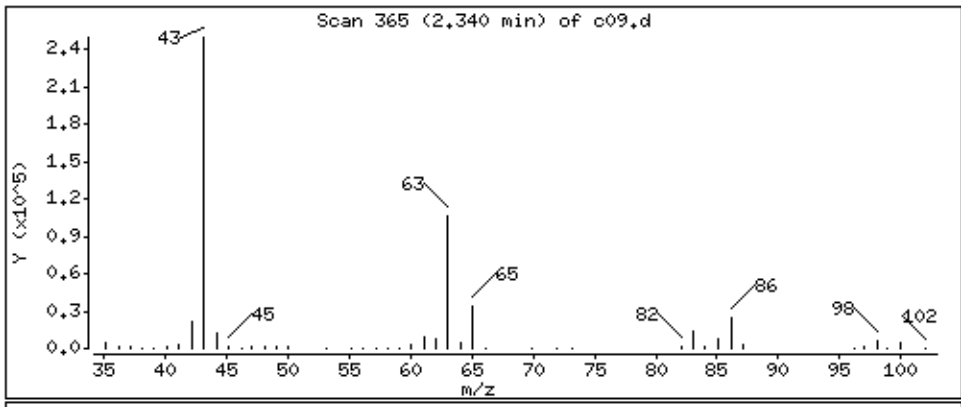
Column phase: DB-624

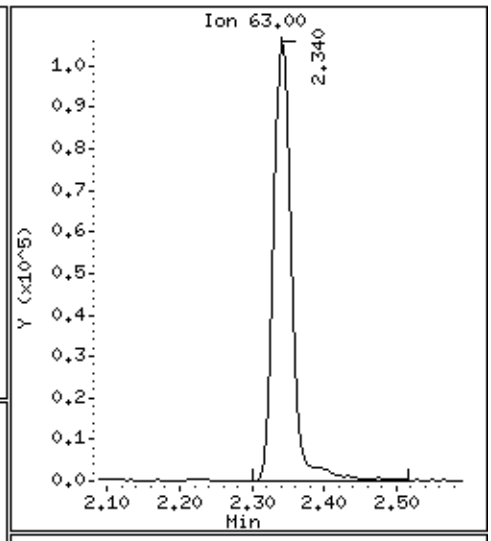
Column diameter: 0.18

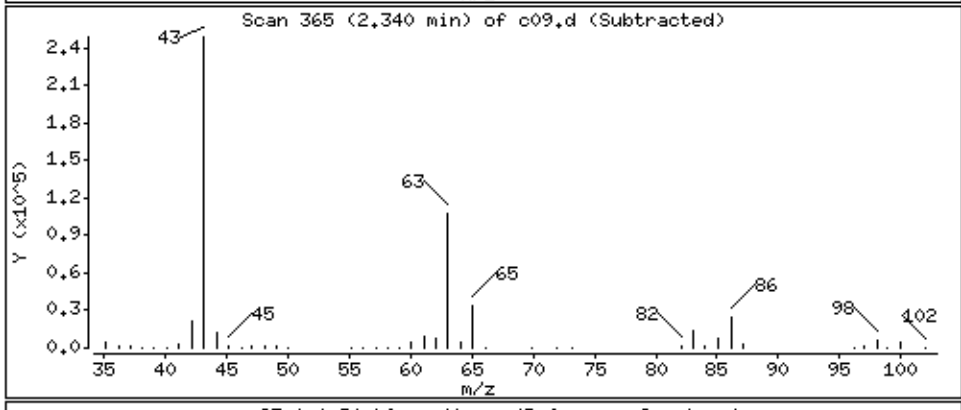
25 1,1-Dichloroethane

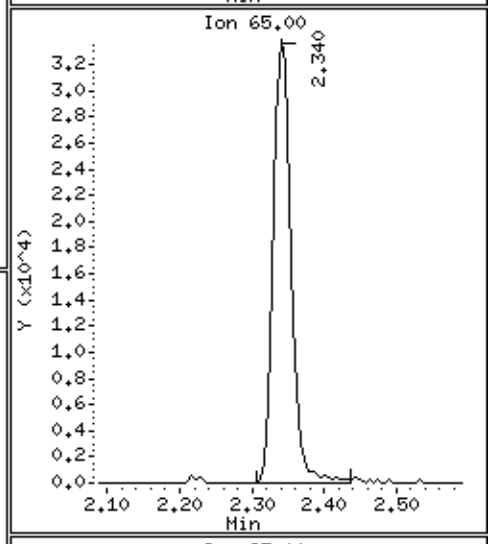
Concentration: 43.2 ppb

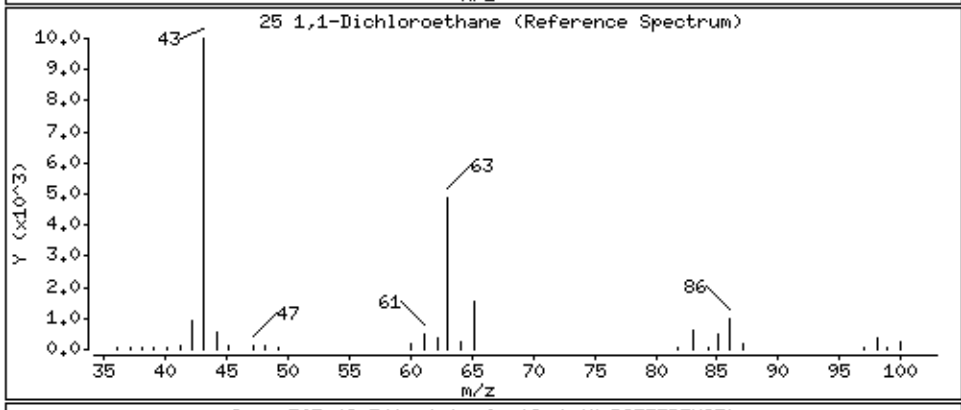
Review Code:

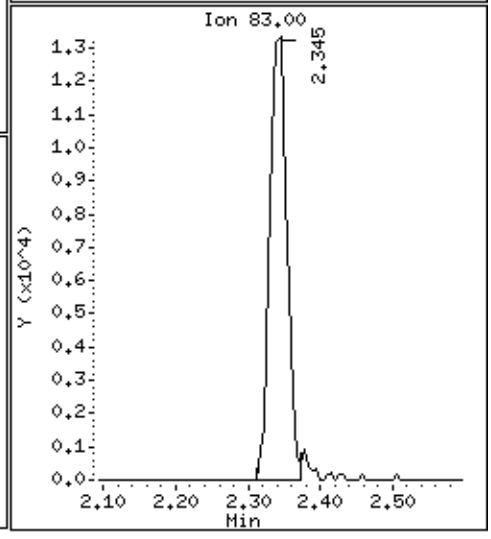


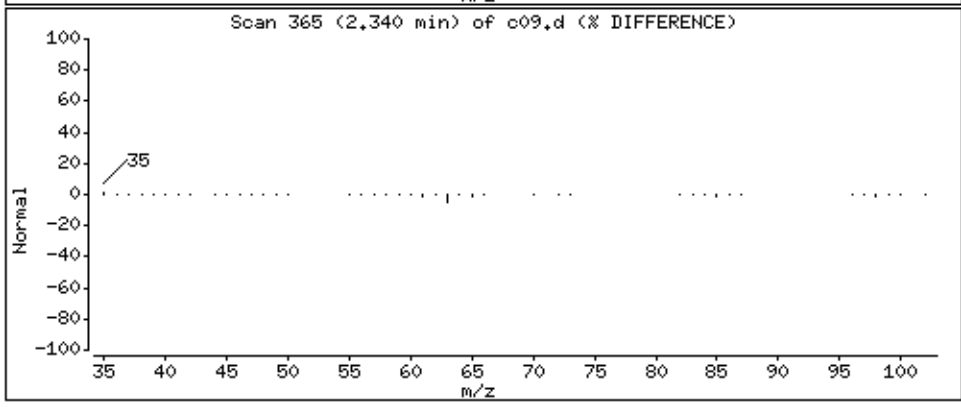












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

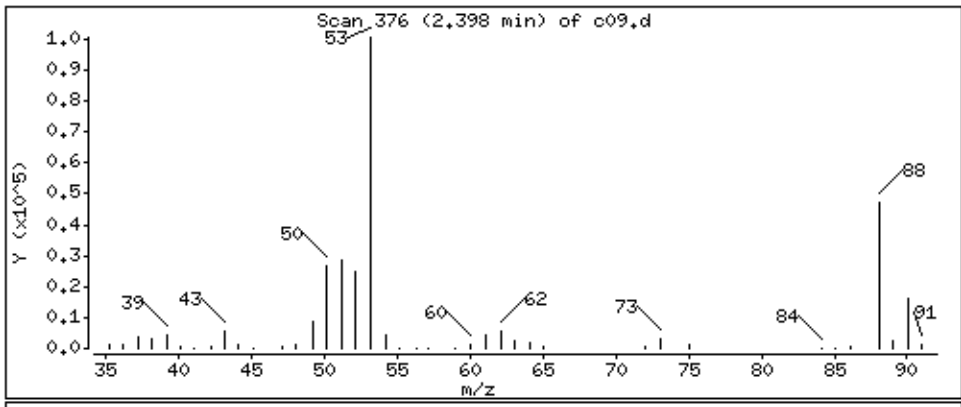
Column phase: DB-624

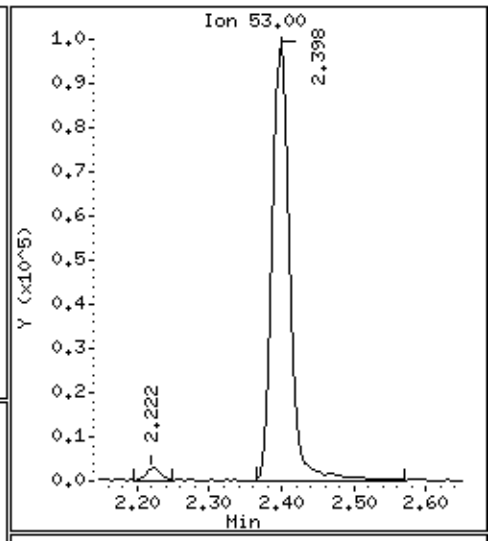
Column diameter: 0.18

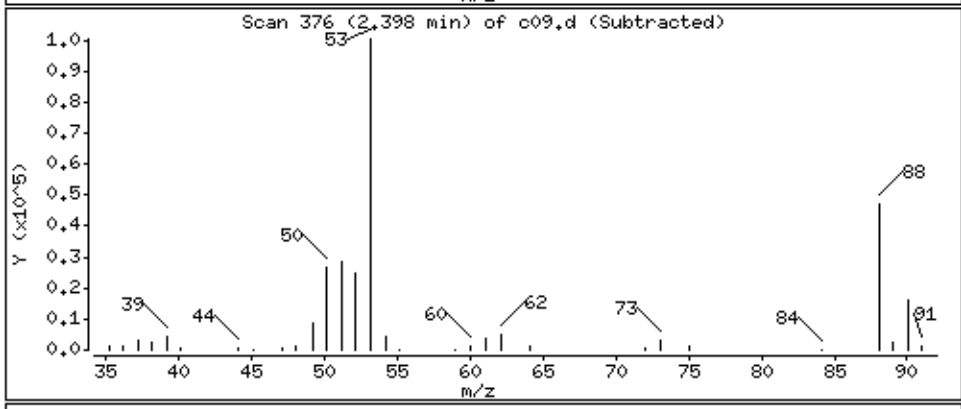
26 Chloroprene

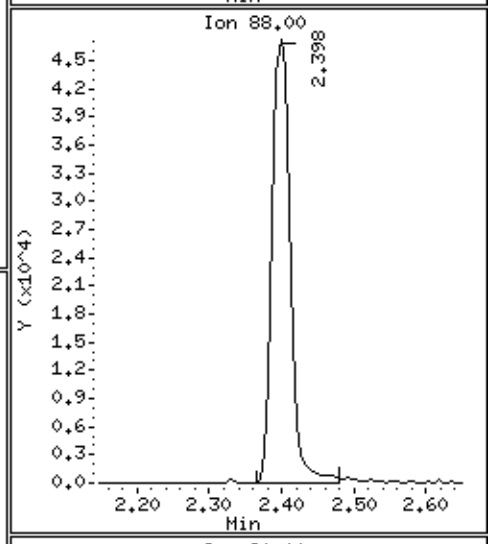
Concentration: 37.2 ppb

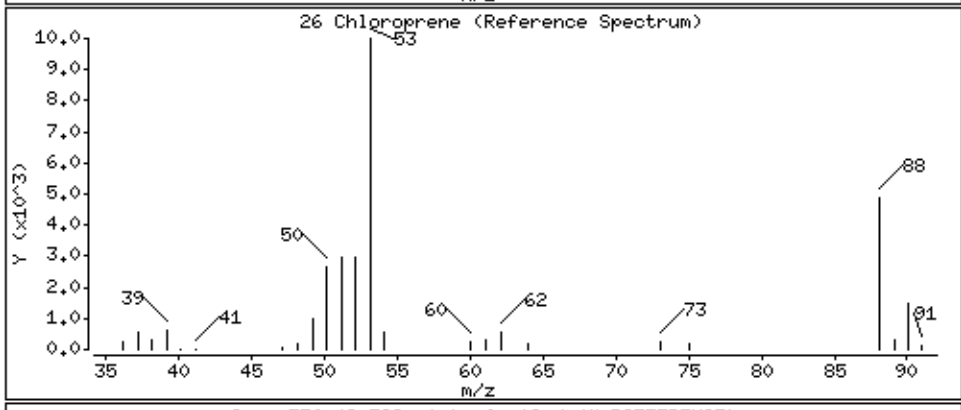
Review Code:

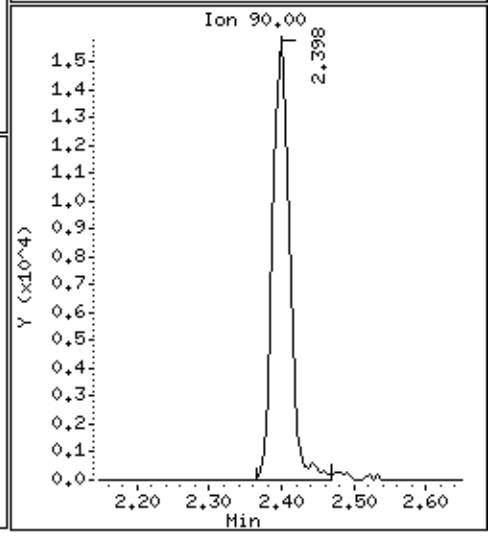


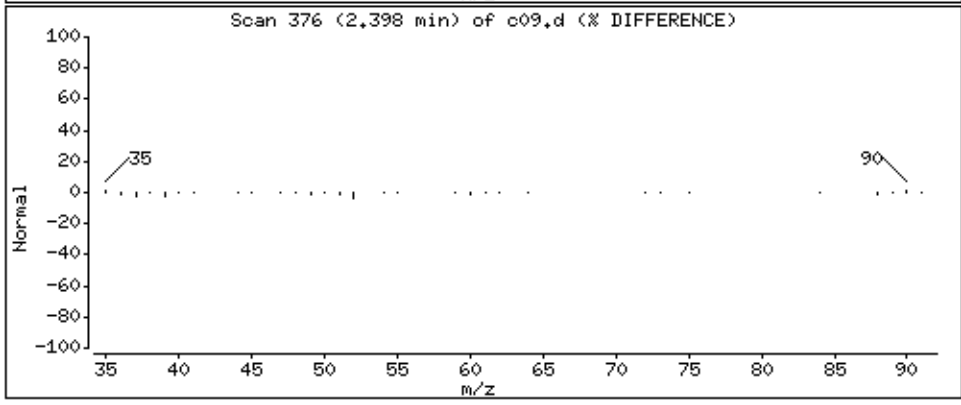












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

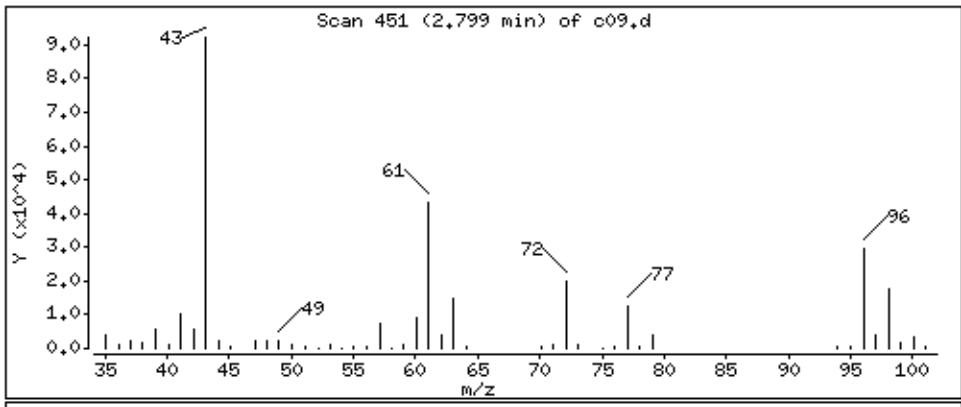
Column phase: DB-624

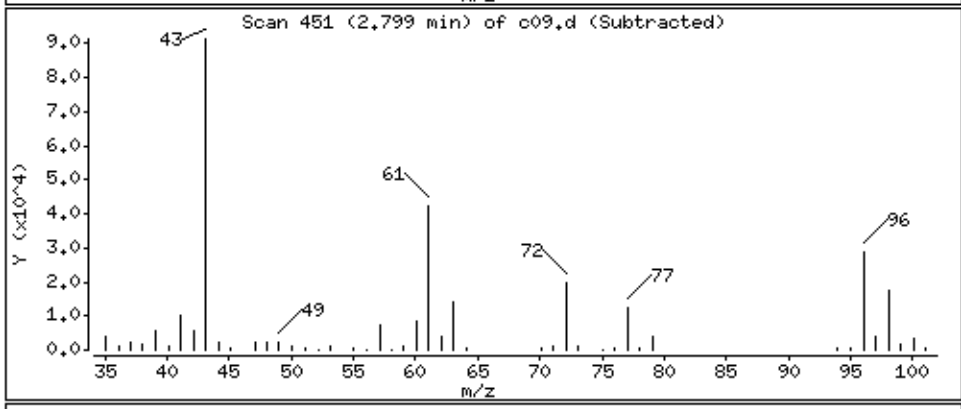
Column diameter: 0.18

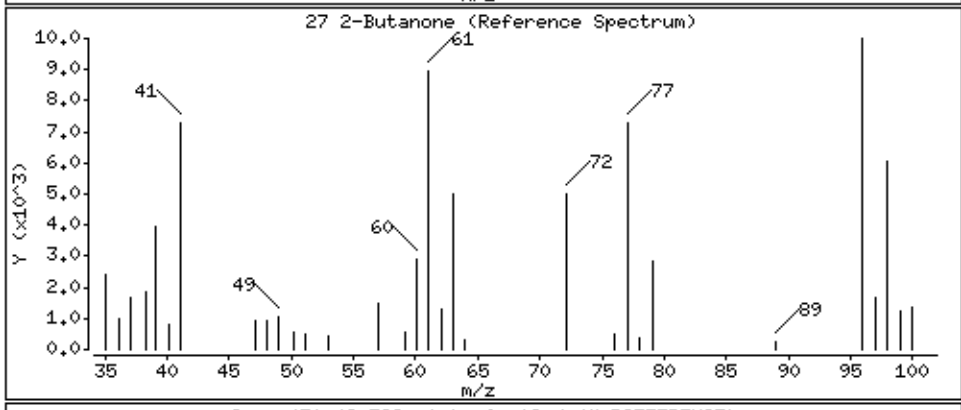
27 2-Butanone

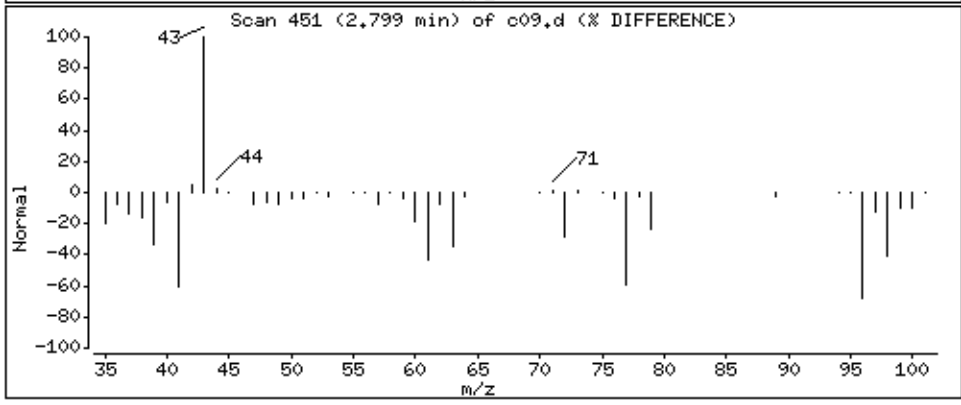
Concentration: 290 ppb

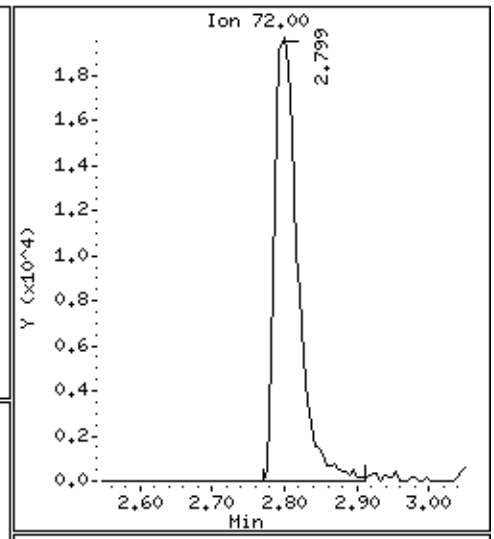
Review Code:

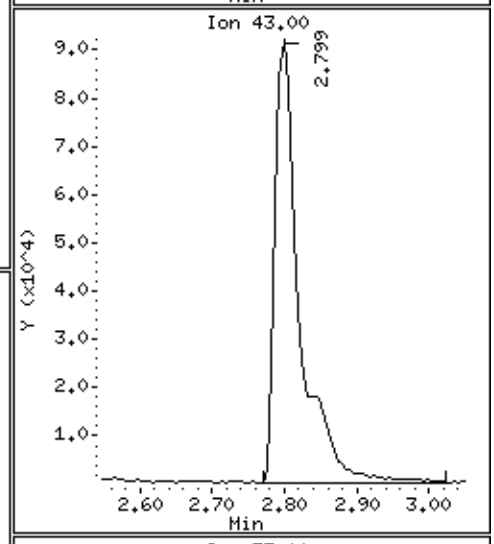


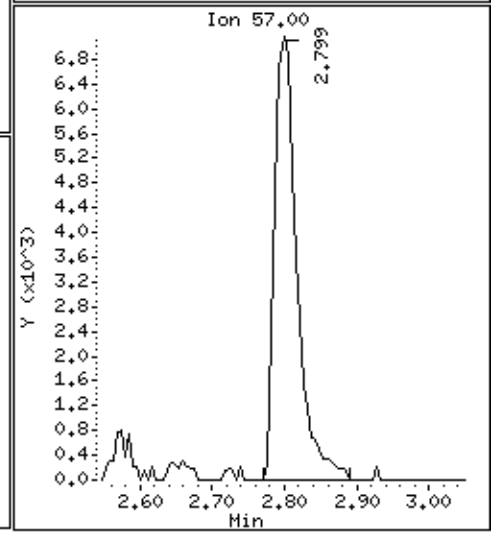












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

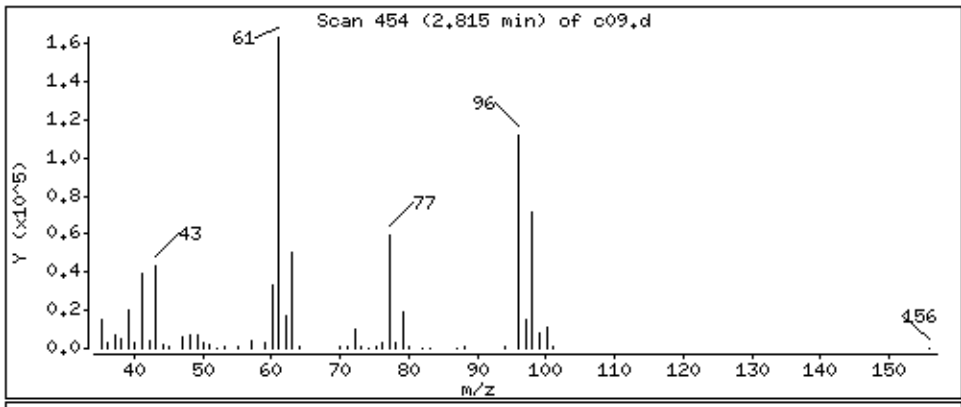
Column phase: DB-624

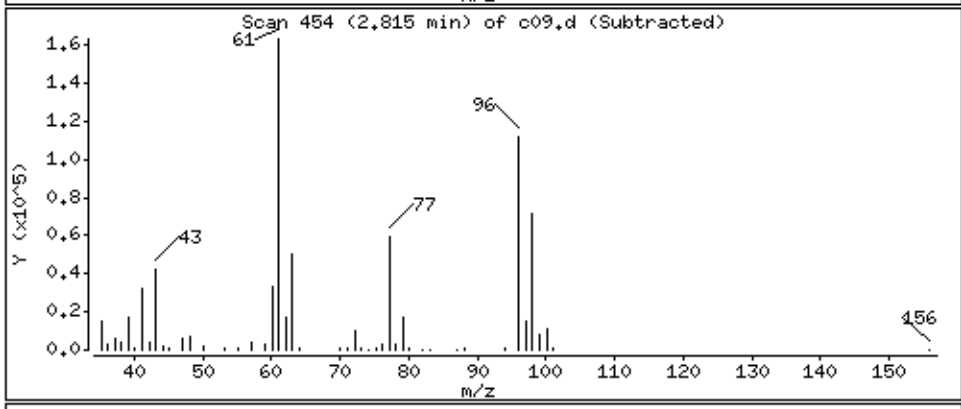
Column diameter: 0.18

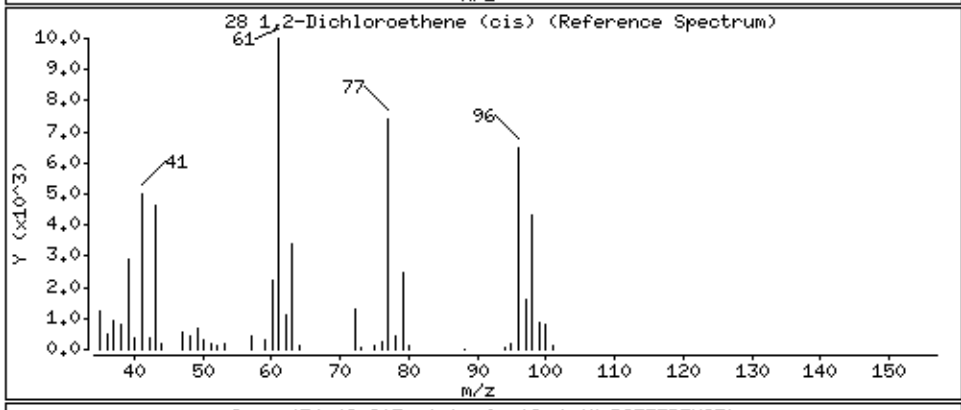
28 1,2-Dichloroethene (cis)

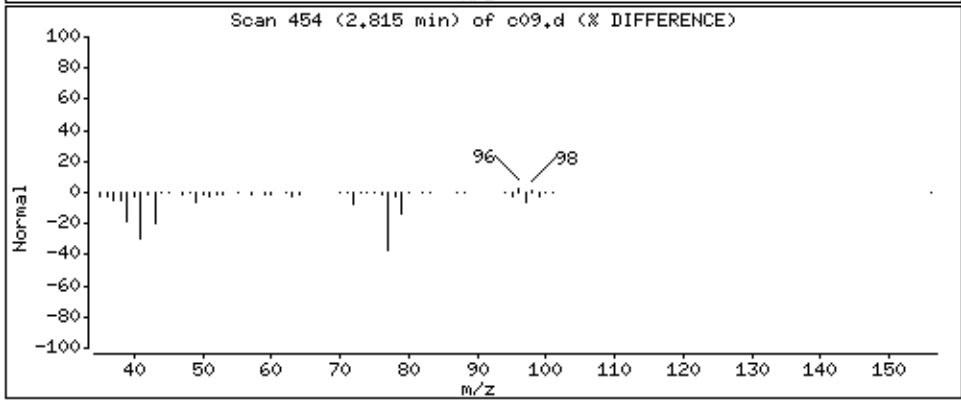
Concentration: 85.0 ppb

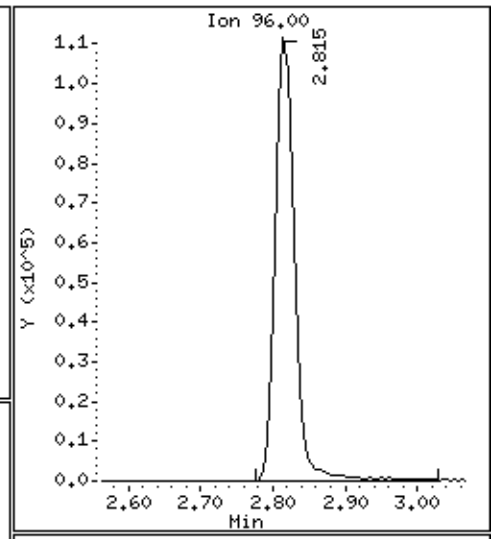
Review Code:

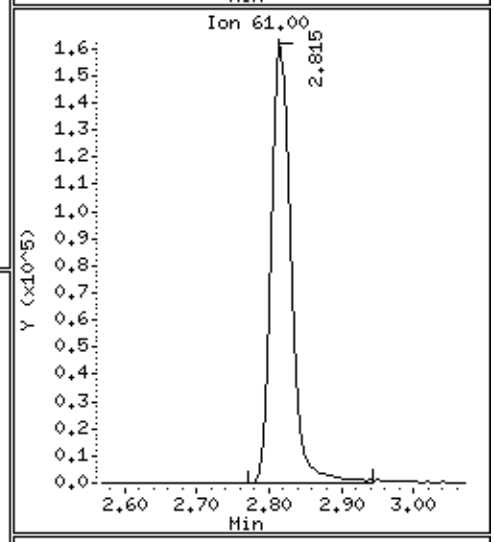


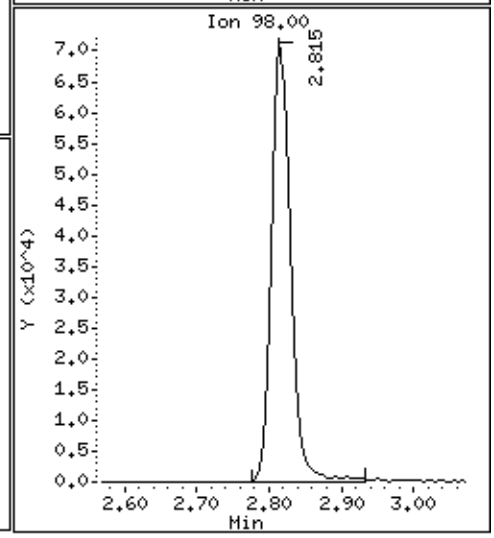












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

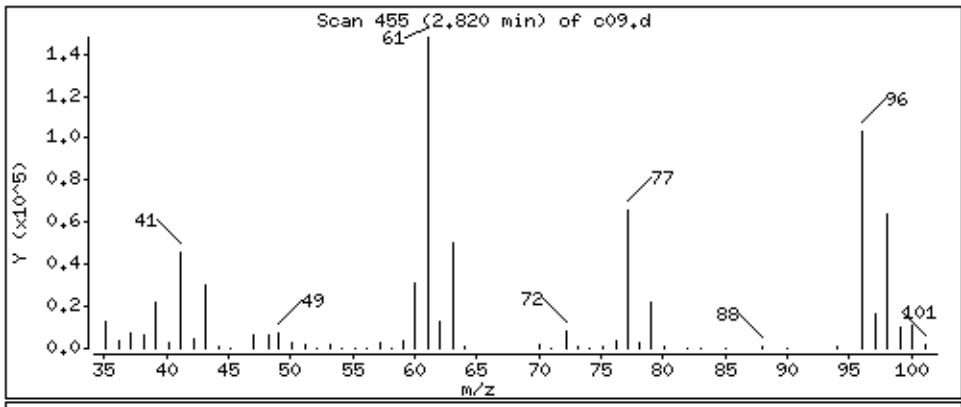
Column phase: DB-624

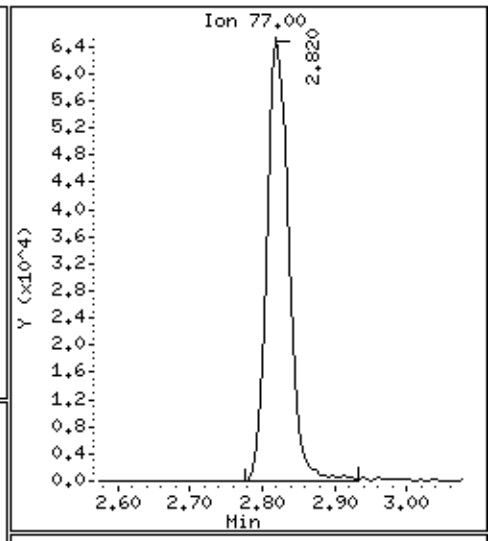
Column diameter: 0.18

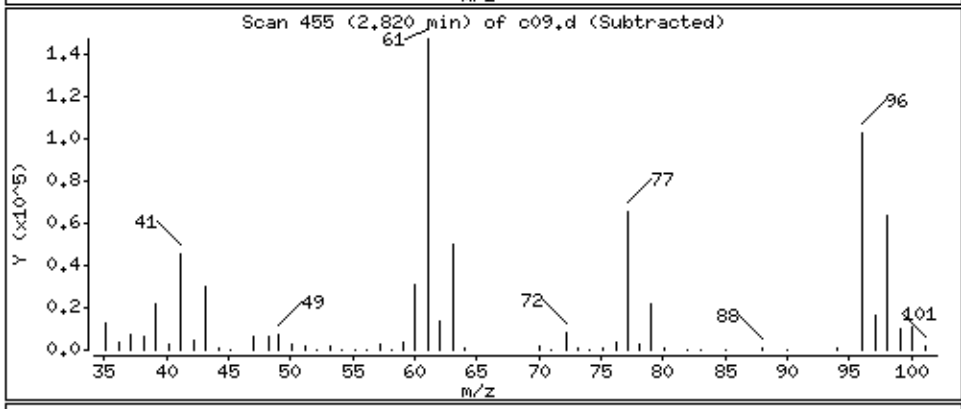
29 2,2-Dichloropropane

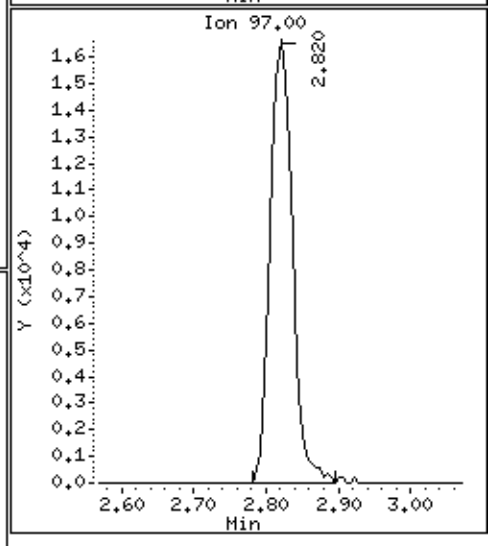
Concentration: 40.8 ppb

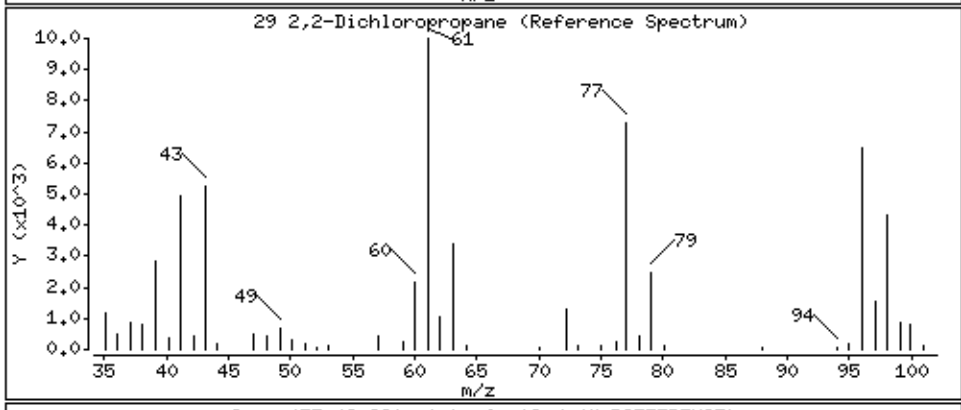
Review Code:

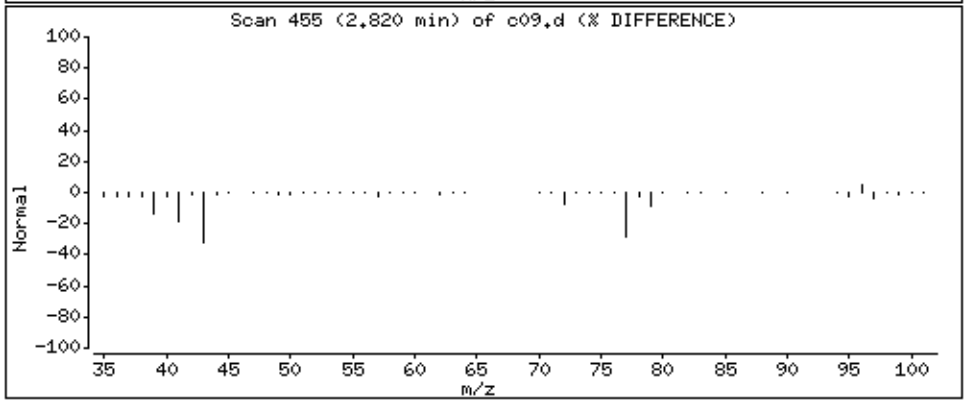












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

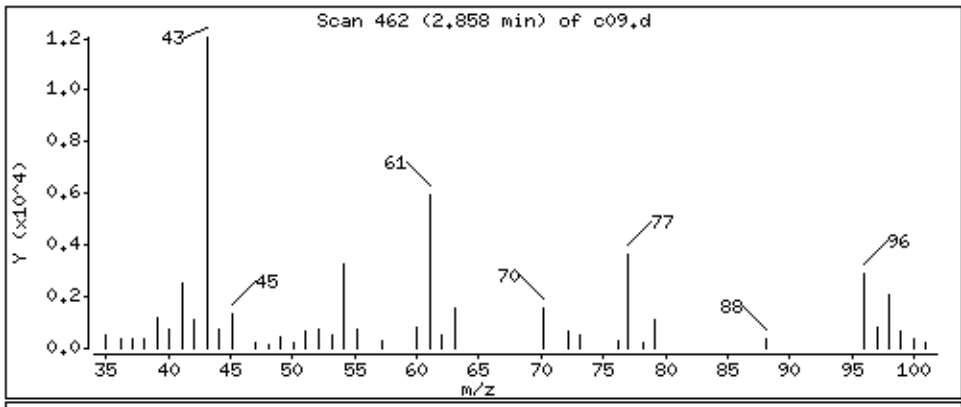
Column phase: DB-624

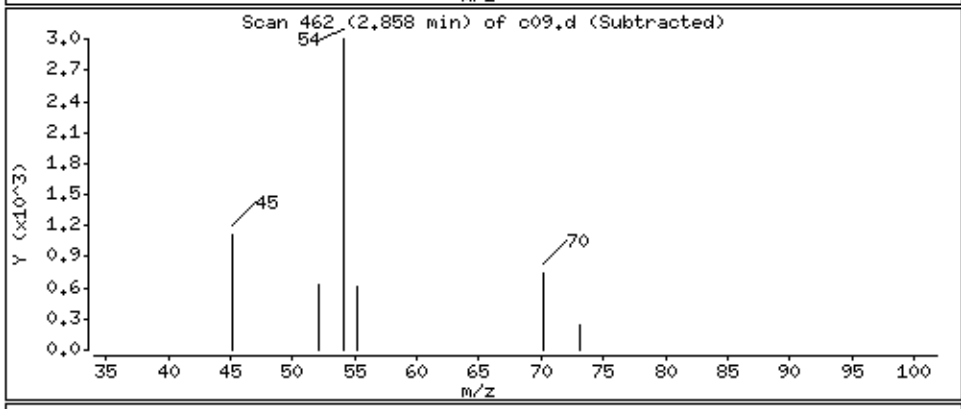
Column diameter: 0.18

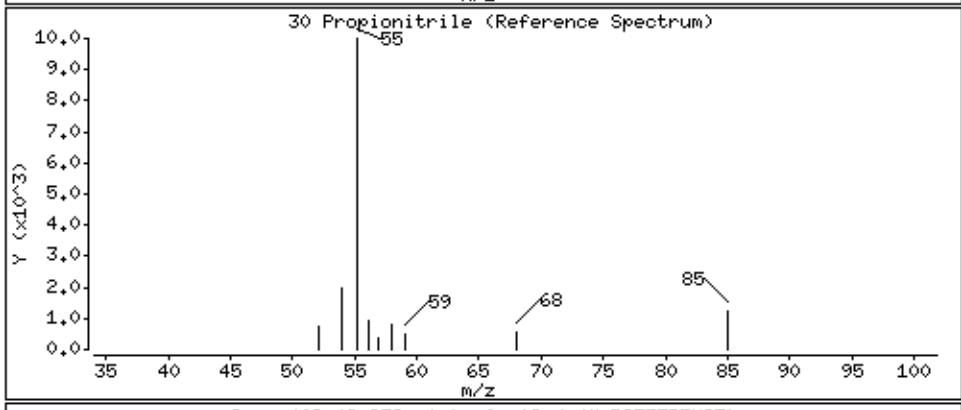
30 Propionitrile

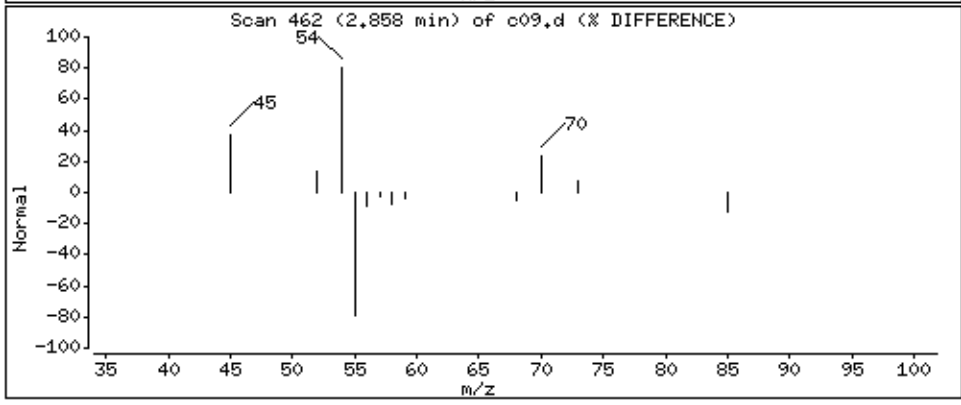
Concentration: 46.1 ppb

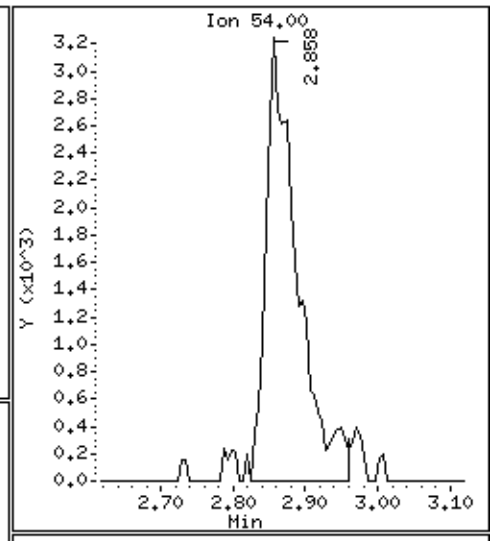
Review Code:

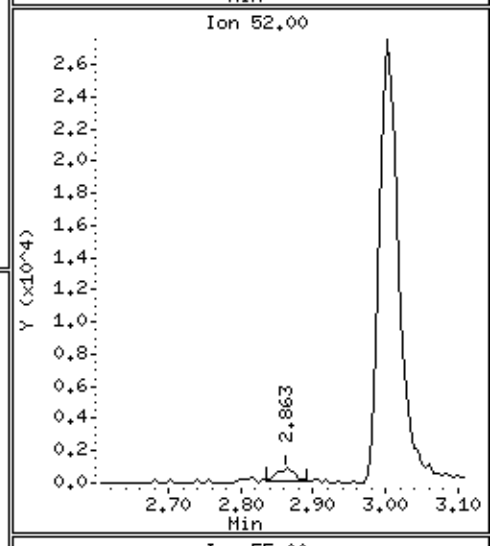


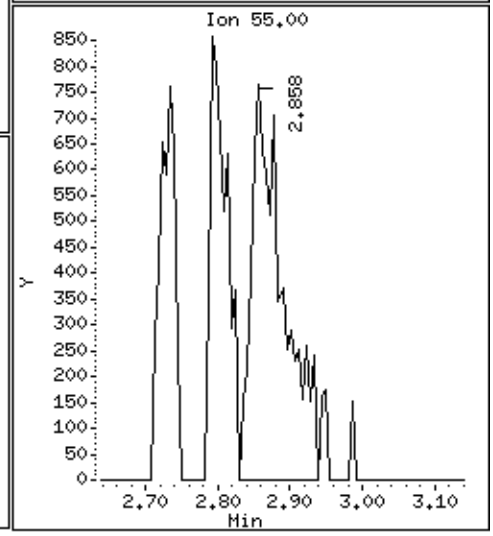












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

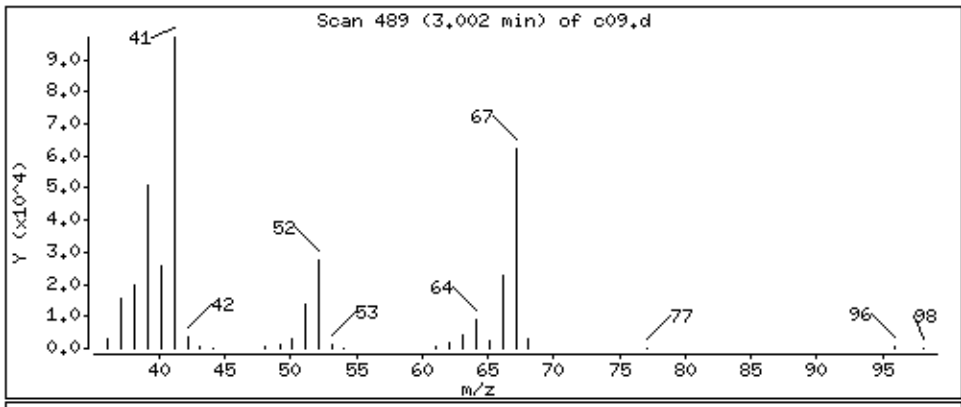
Column phase: DB-624

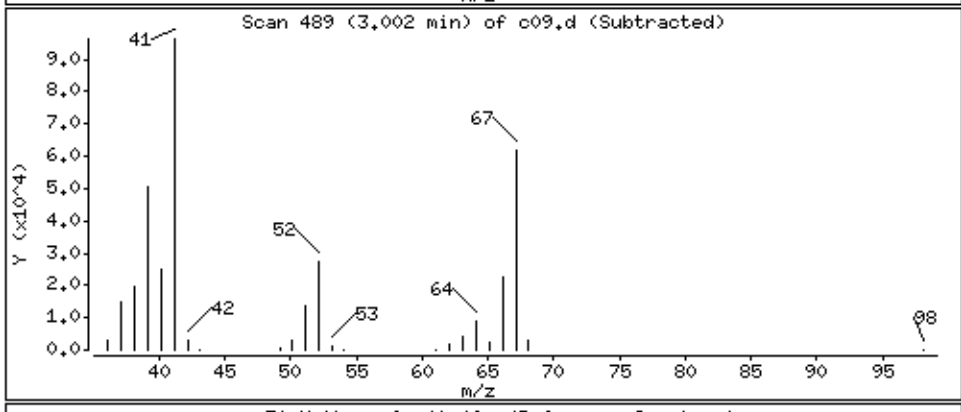
Column diameter: 0.18

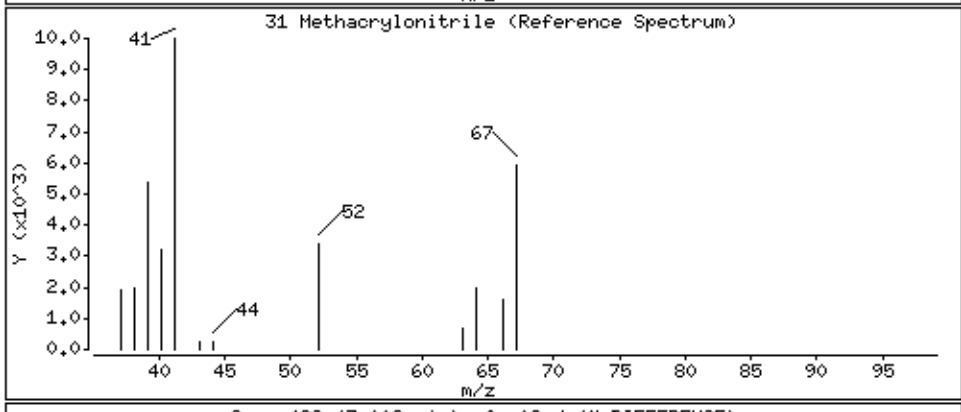
31 Methacrylonitrile

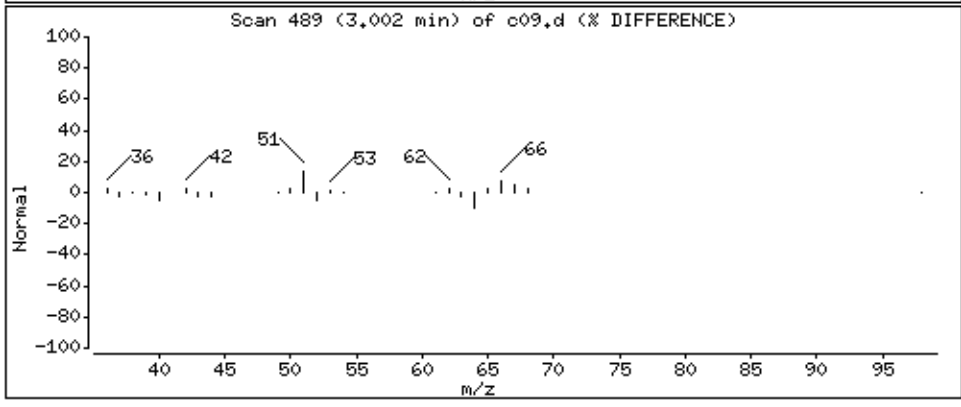
Concentration: 217 ppb

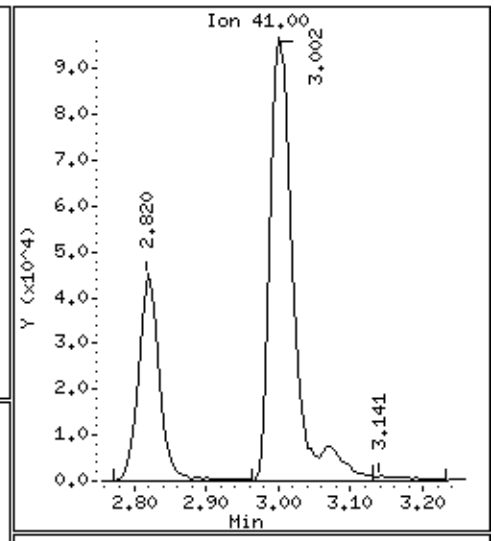
Review Code:

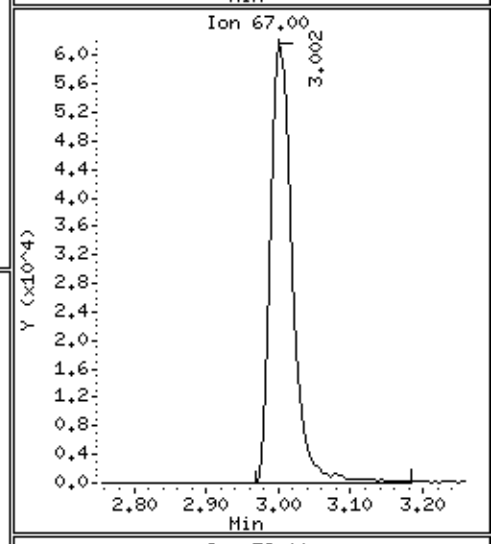


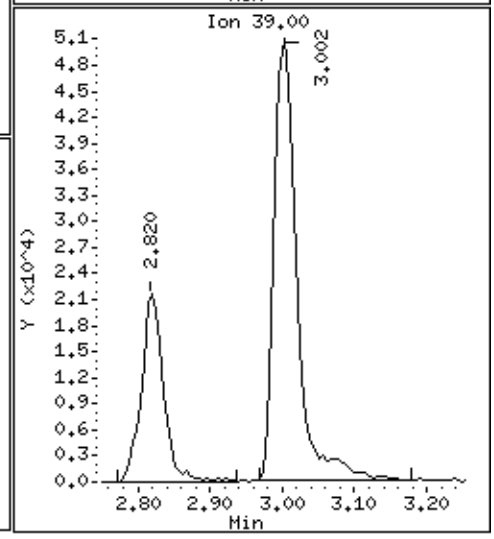












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

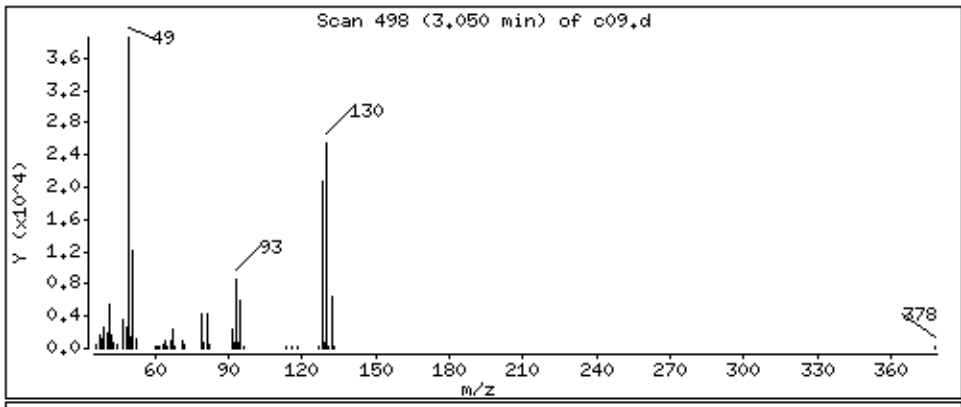
Column phase: DB-624

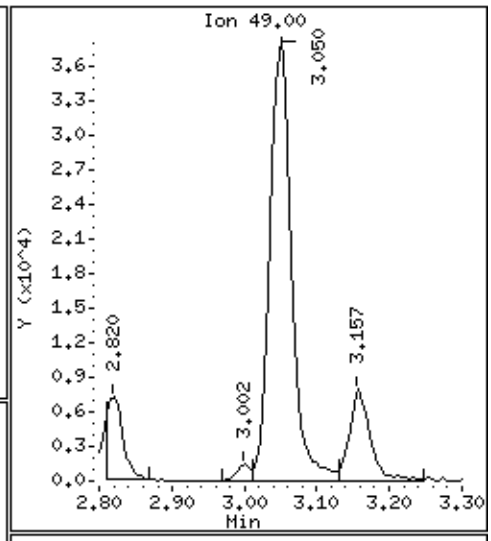
Column diameter: 0.18

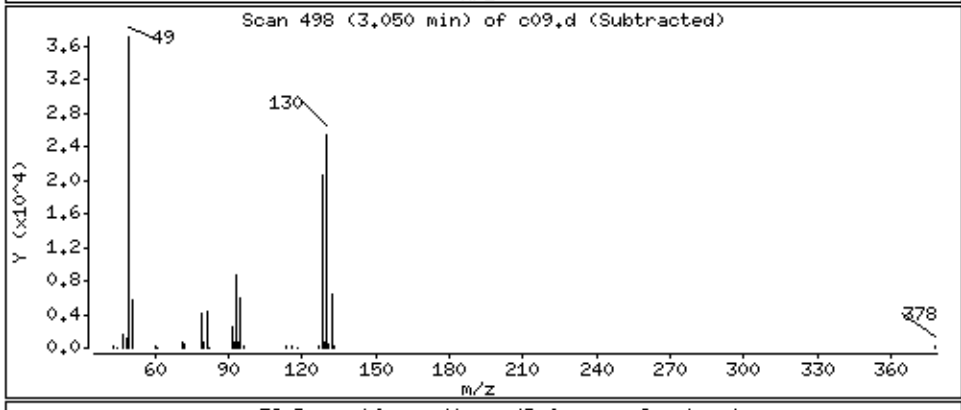
32 Bromochloromethane

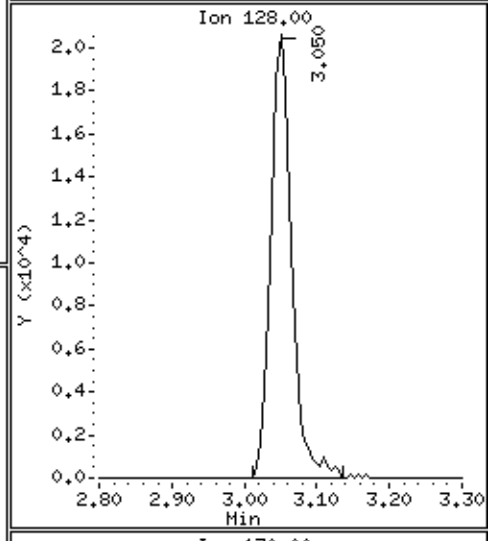
Concentration: 45.6 ppb

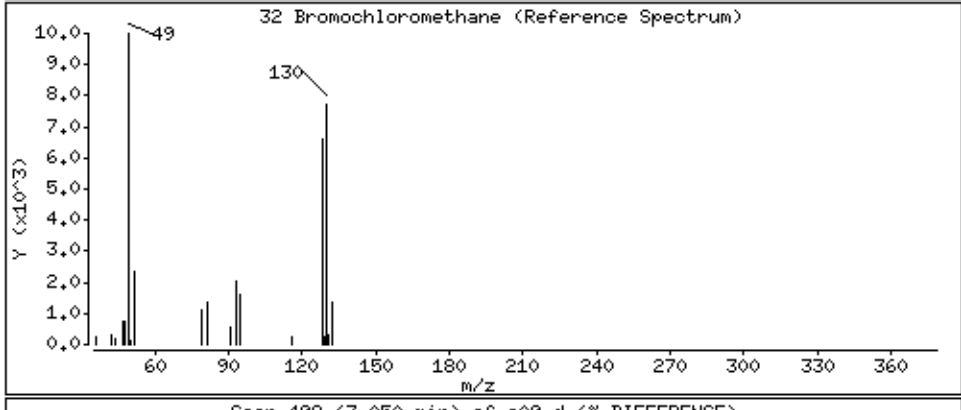
Review Code:

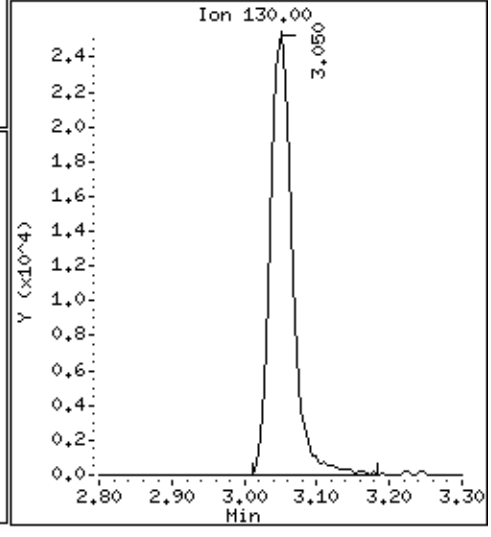


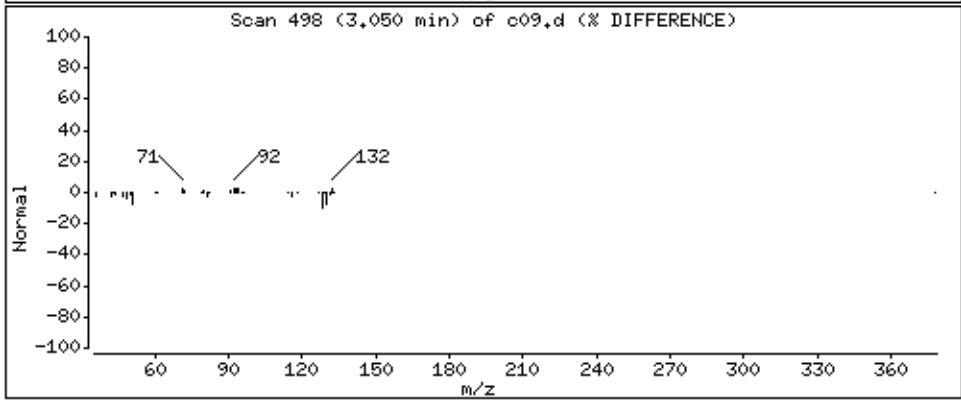












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

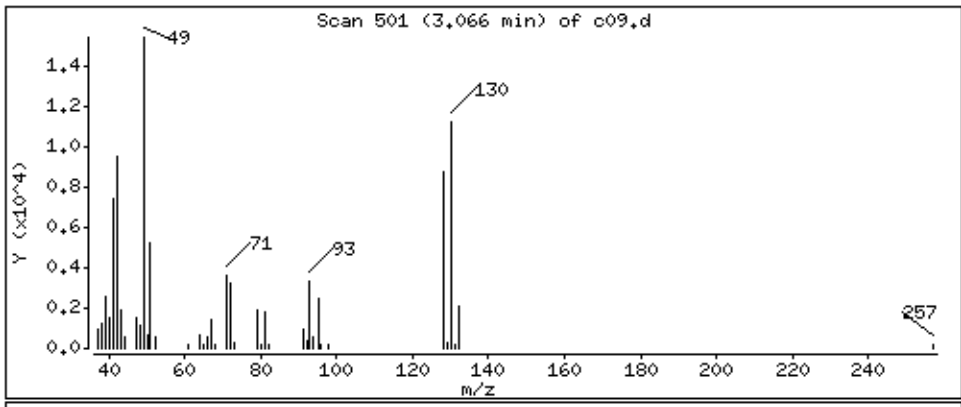
Column phase: DB-624

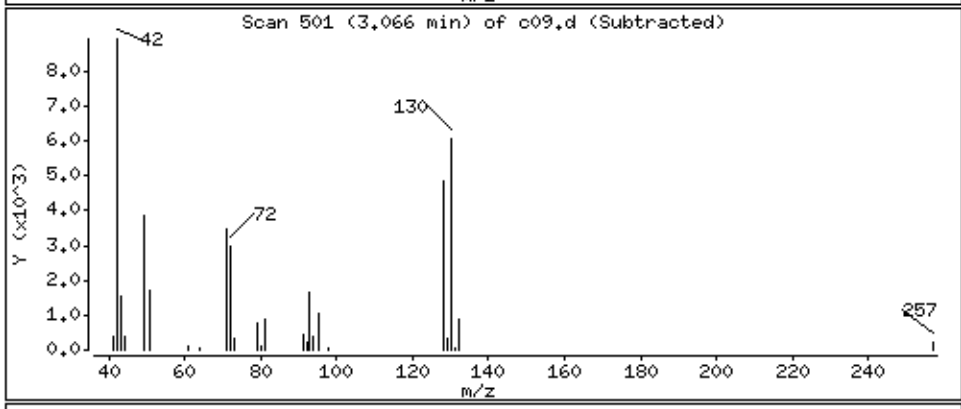
Column diameter: 0.18

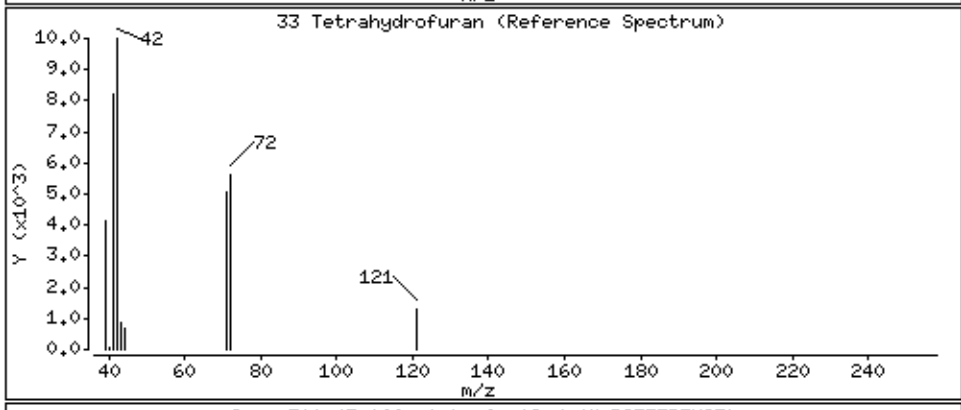
33 Tetrahydrofuran

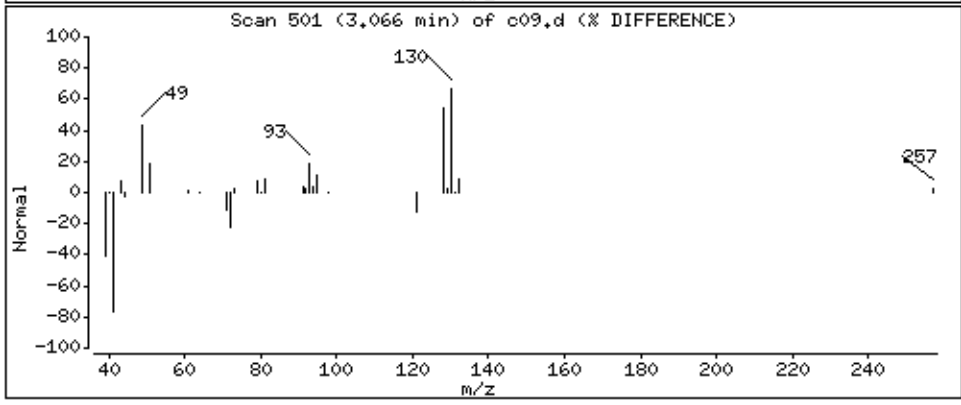
Concentration: 50.3 ppb

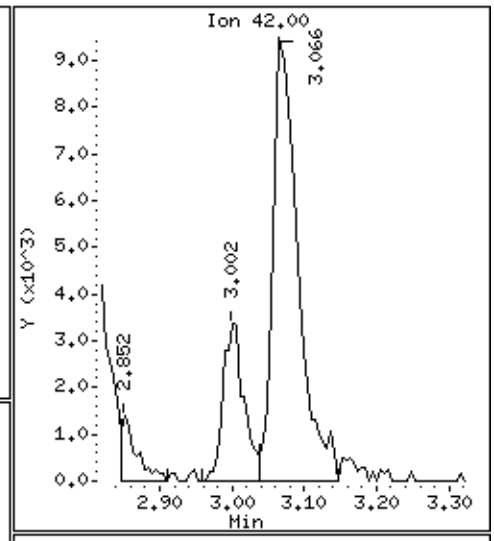
Review Code:

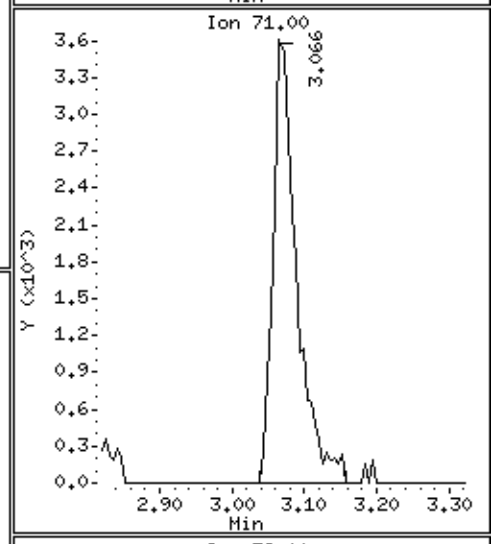


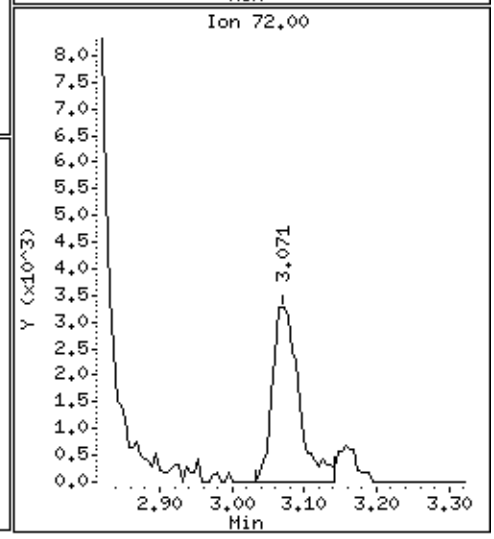












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

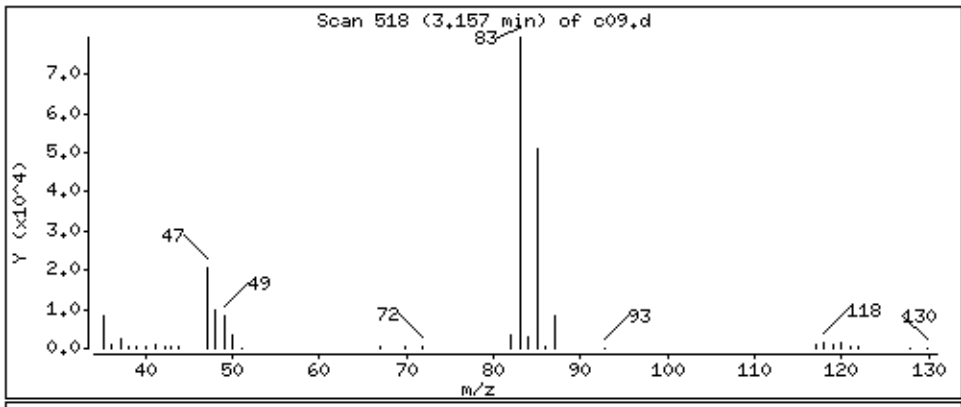
Column phase: DB-624

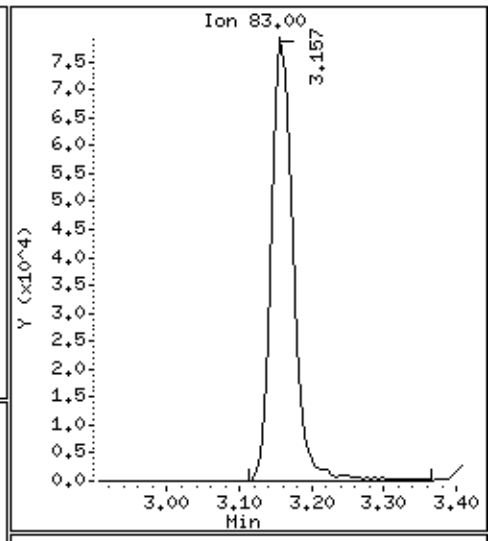
Column diameter: 0.18

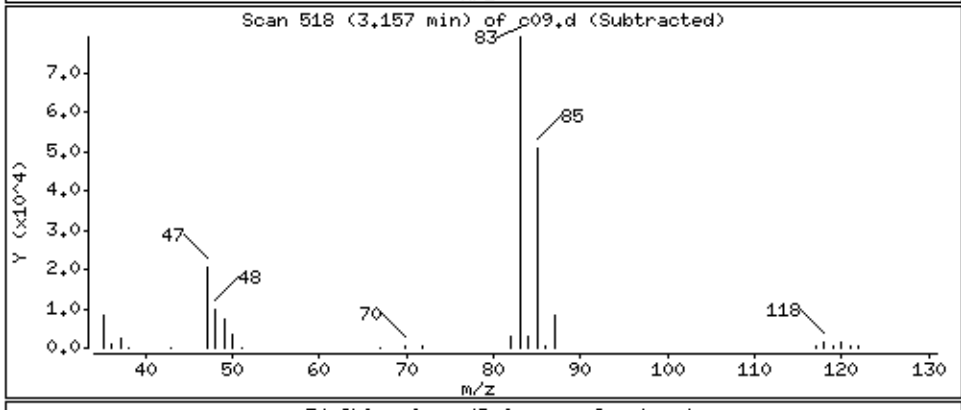
34 Chloroform

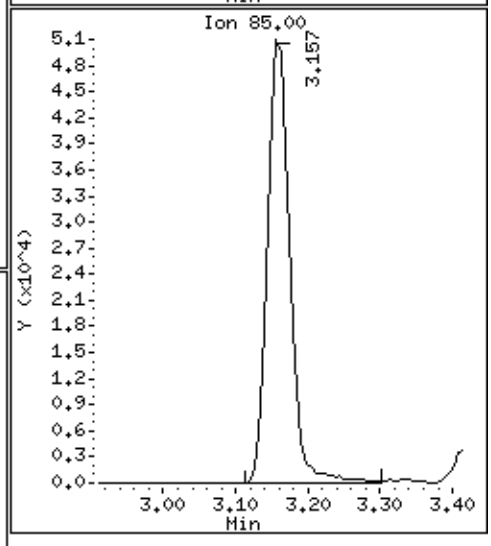
Concentration: 42.6 ppb

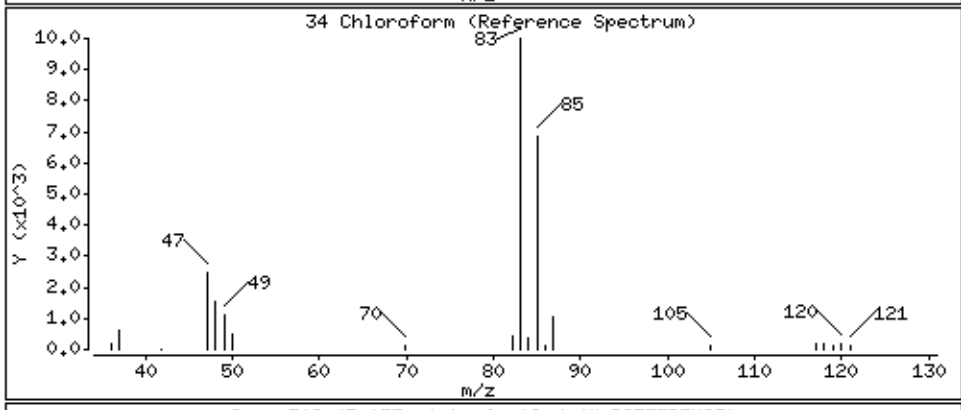
Review Code:

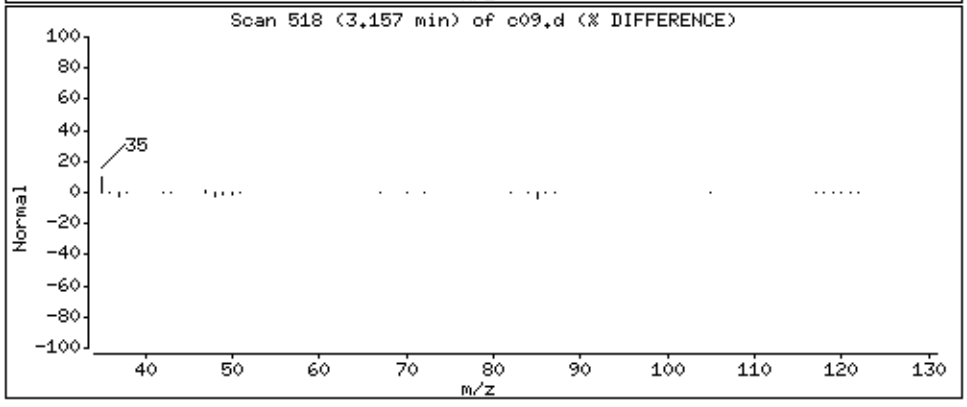












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

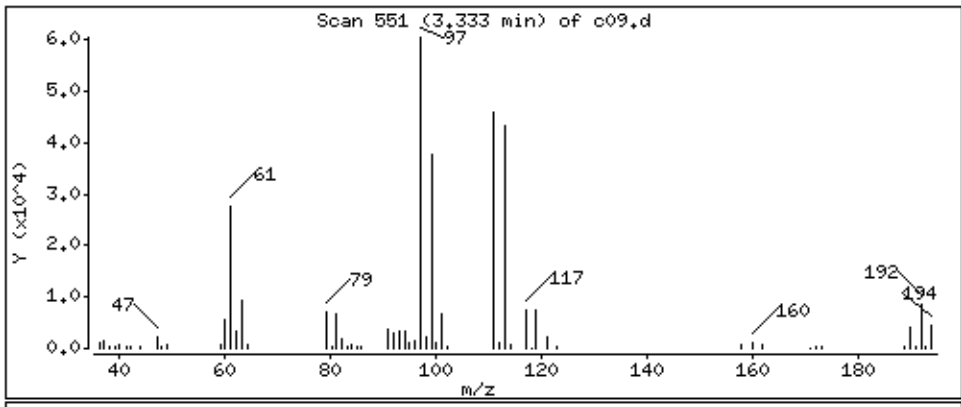
Column phase: DB-624

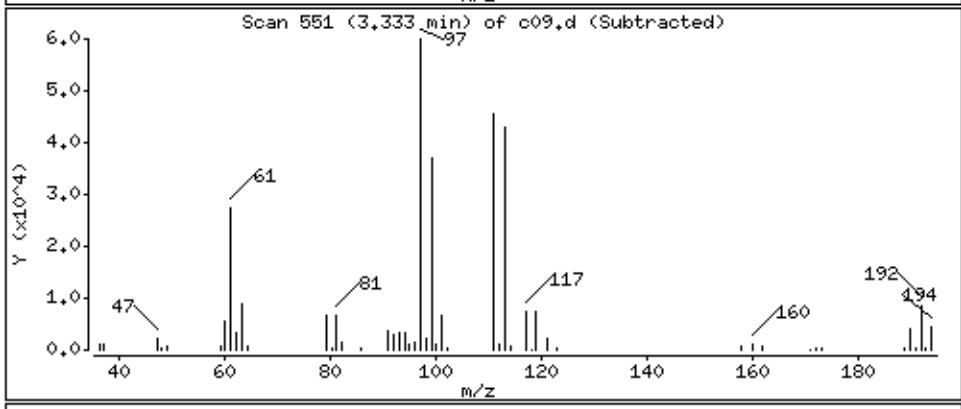
Column diameter: 0.18

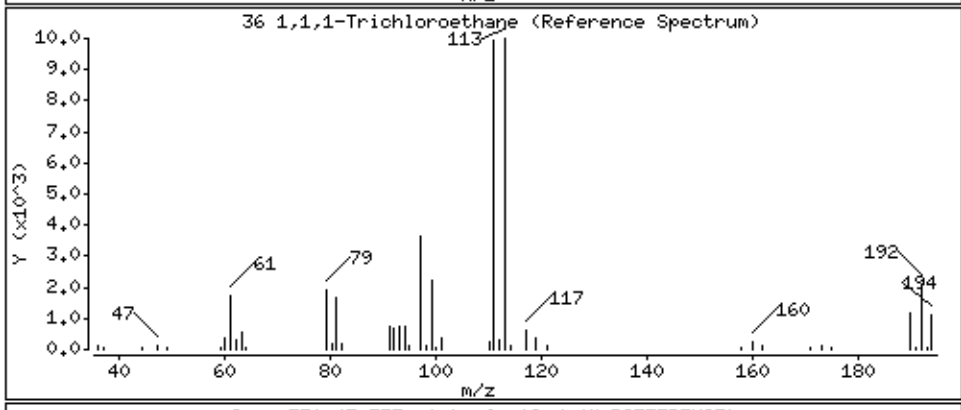
36 1,1,1-Trichloroethane

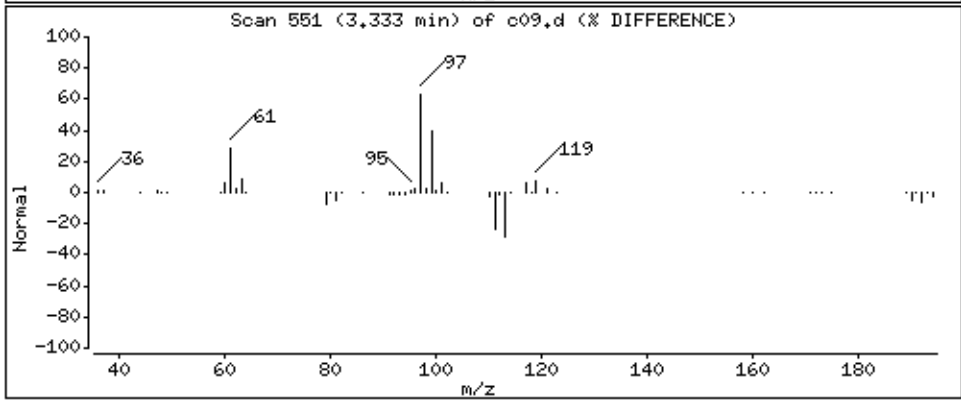
Concentration: 38.4 ppb

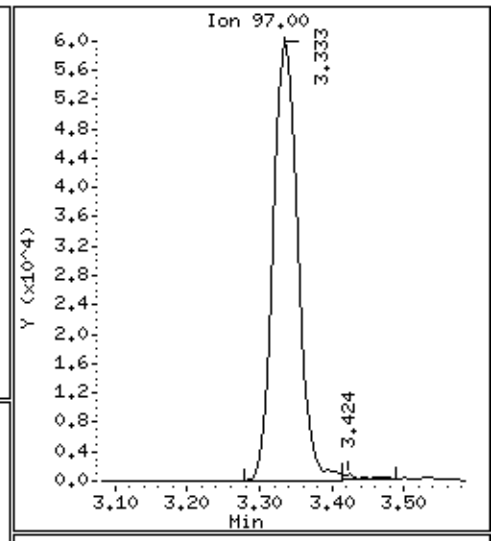
Review Code:

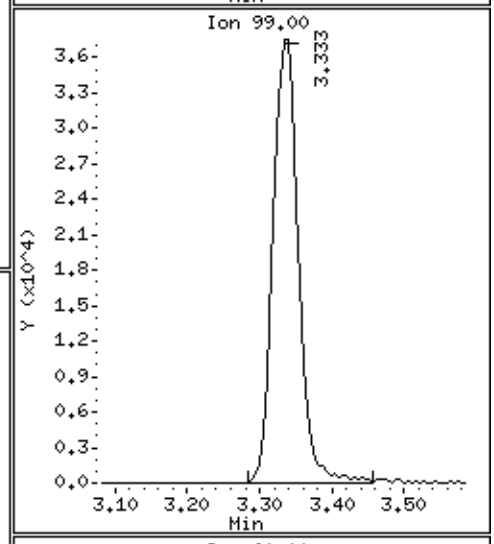


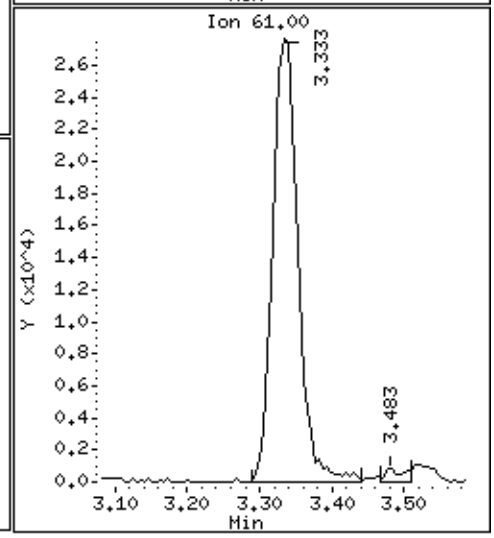












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

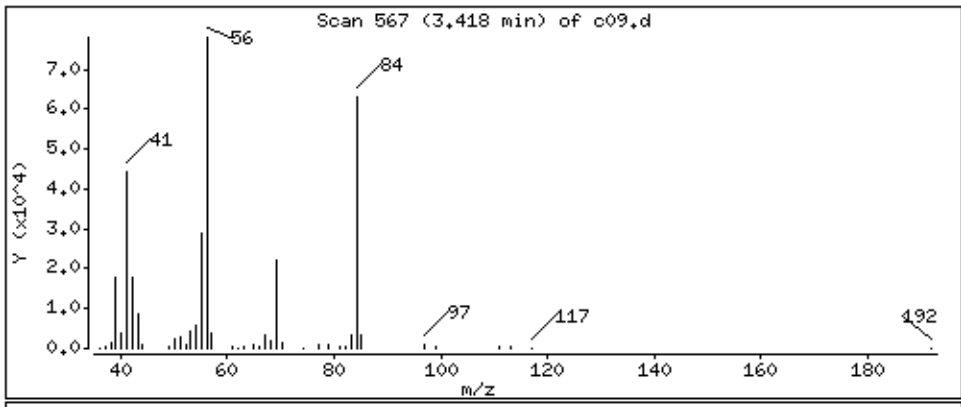
Column phase: DB-624

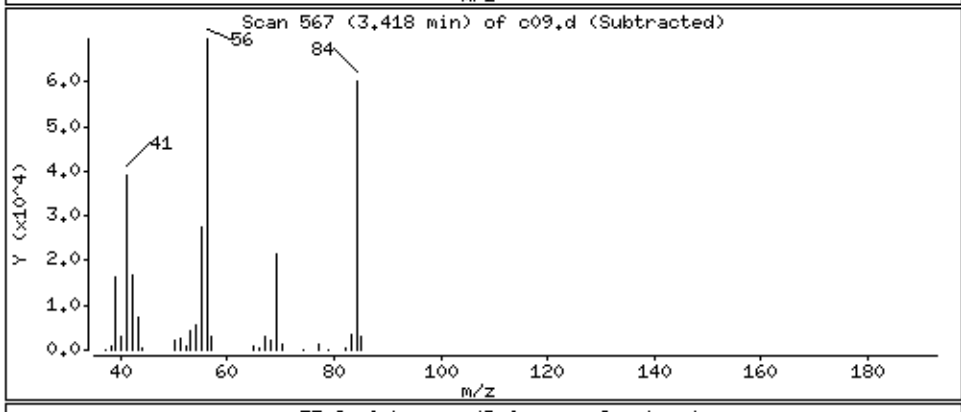
Column diameter: 0.18

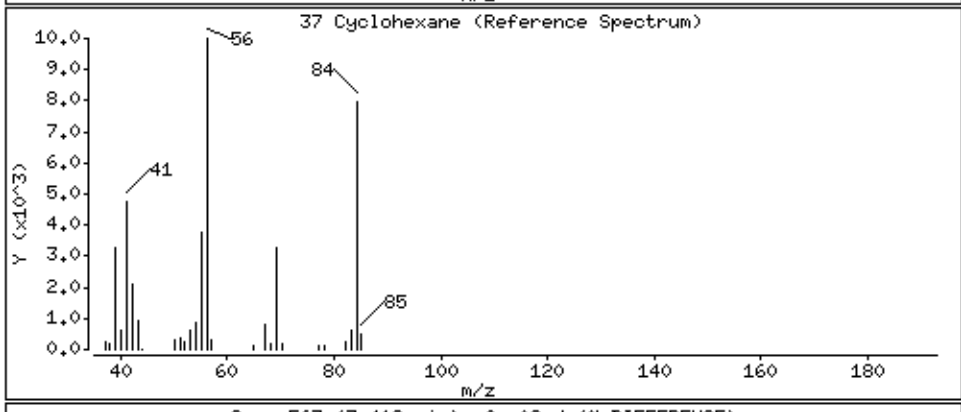
37 Cyclohexane

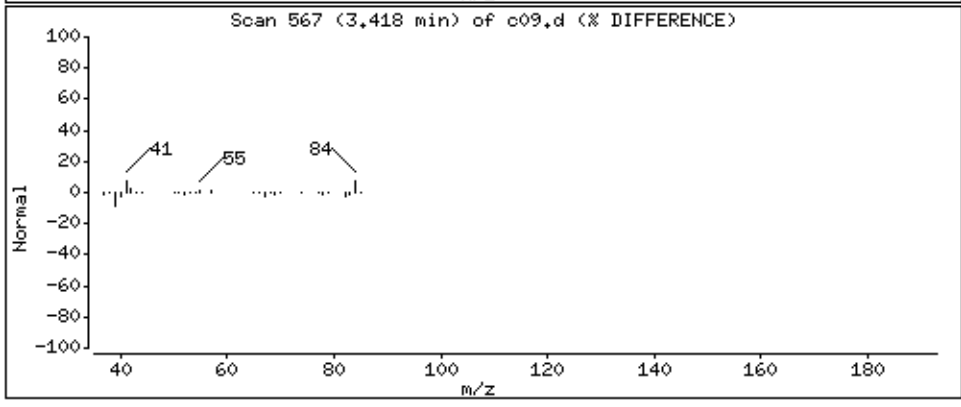
Concentration: 41.7 ppb

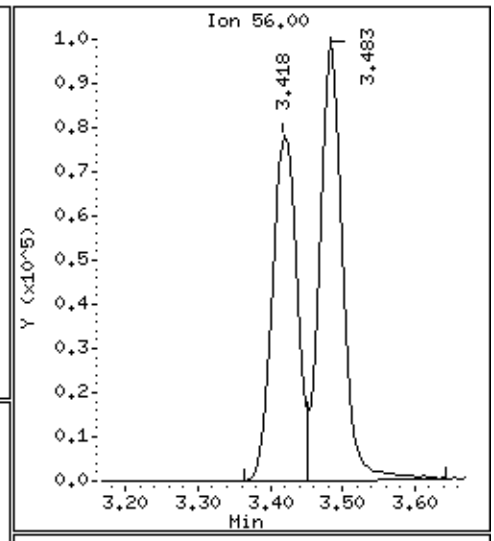
Review Code:

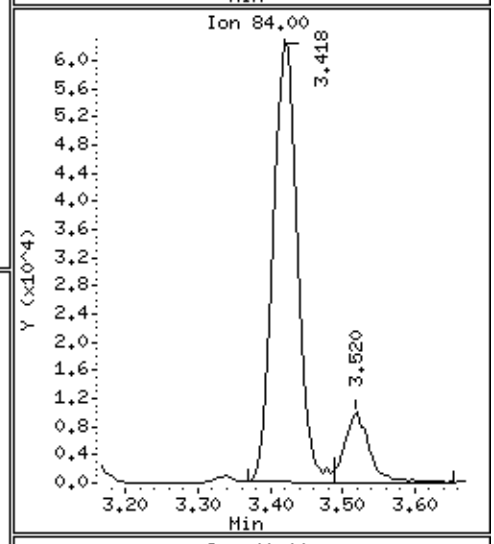


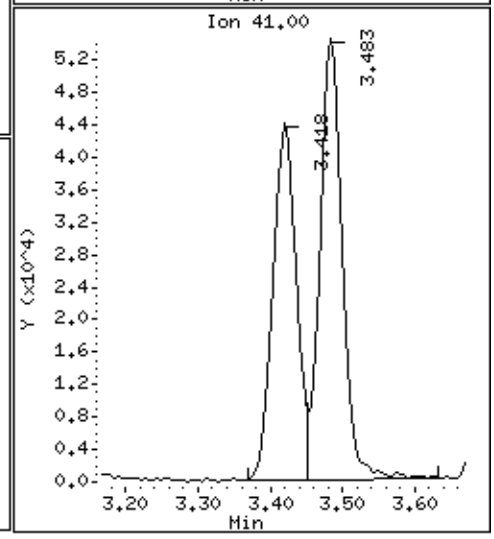












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

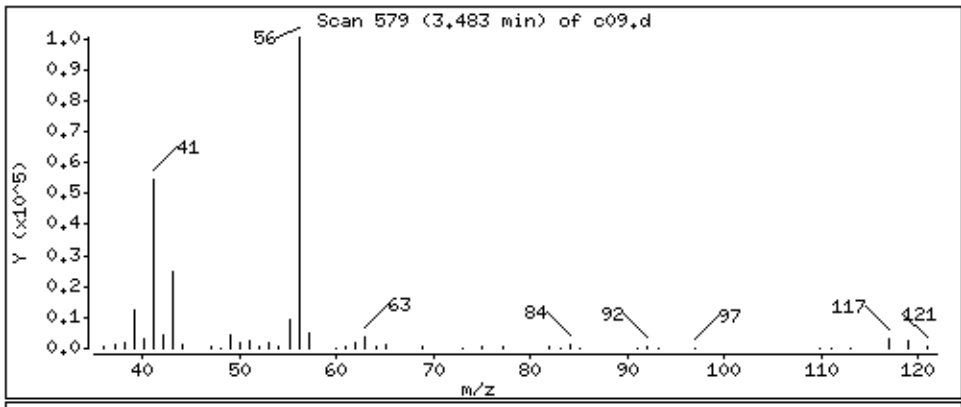
Column phase: DB-624

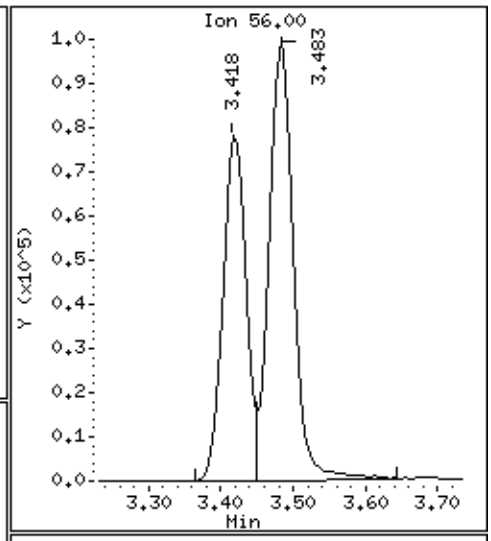
Column diameter: 0.18

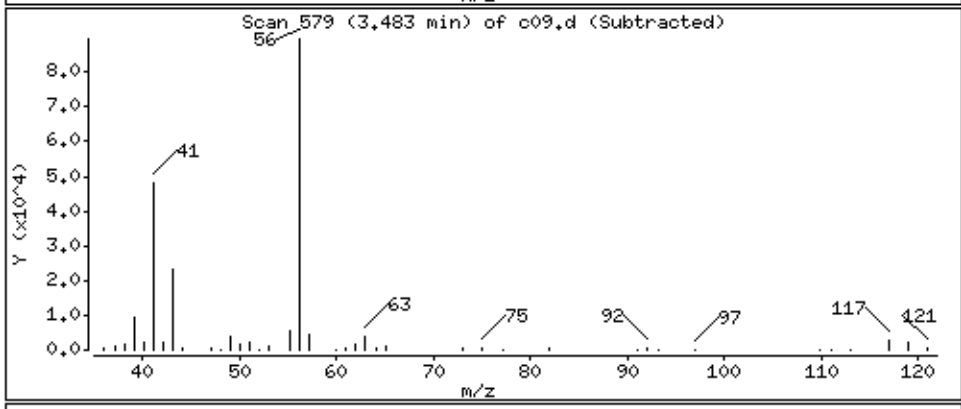
38 n-Butyl chloride

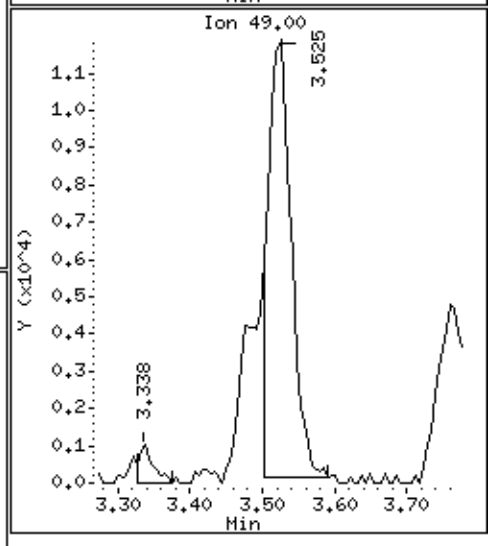
Concentration: 41.7 ppb

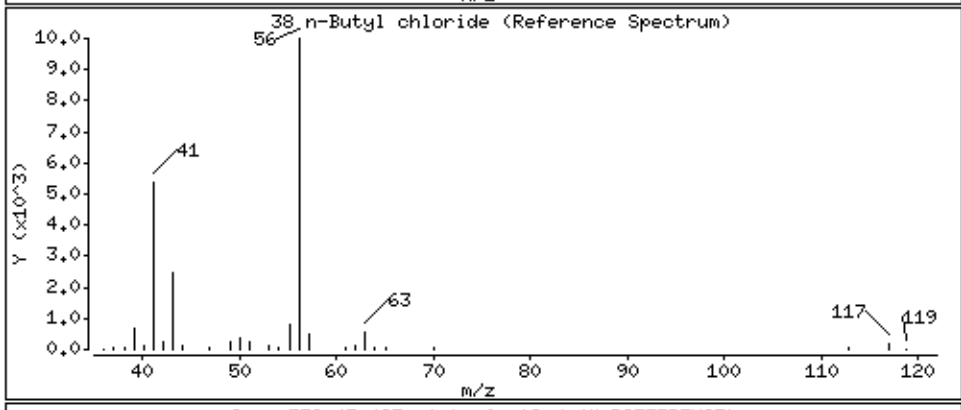
Review Code:

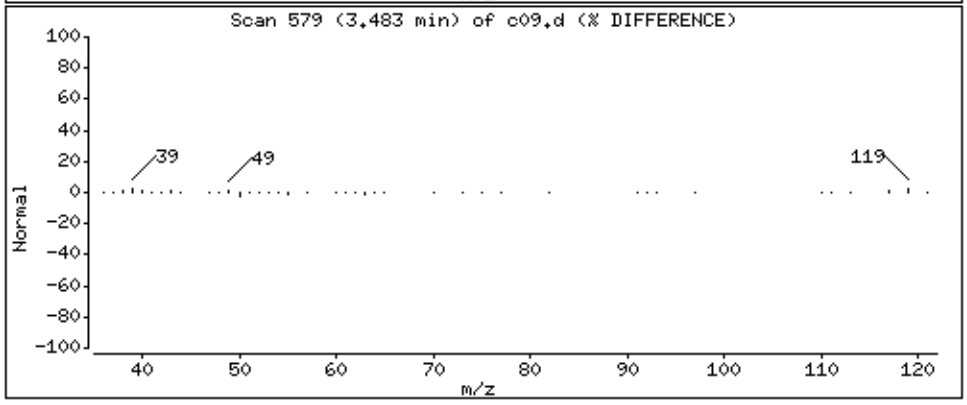












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

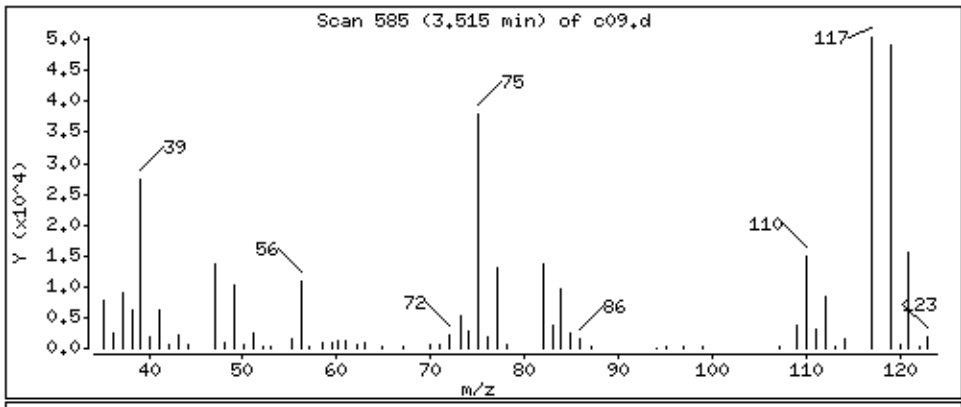
Column phase: DB-624

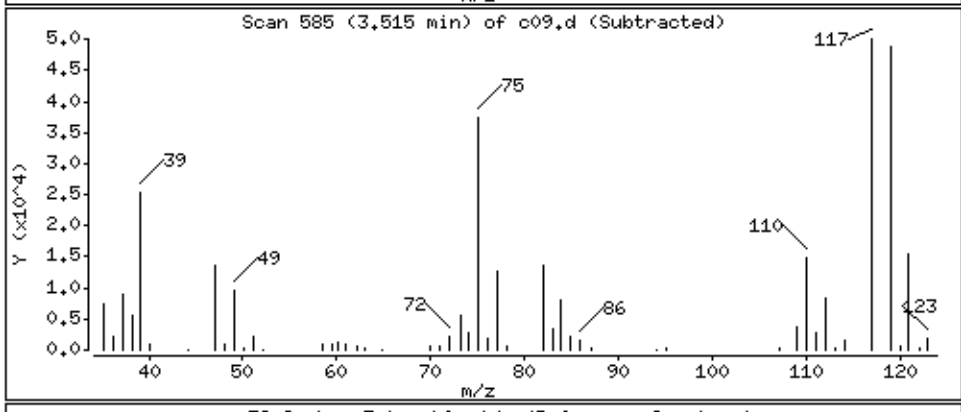
Column diameter: 0.18

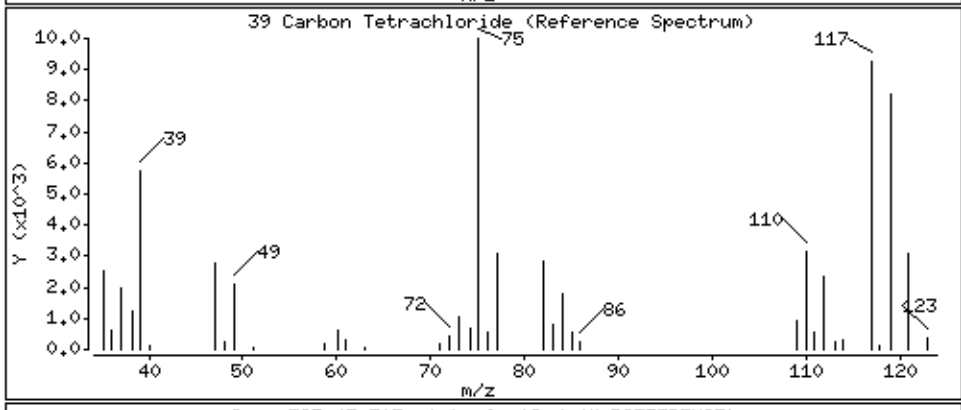
39 Carbon Tetrachloride

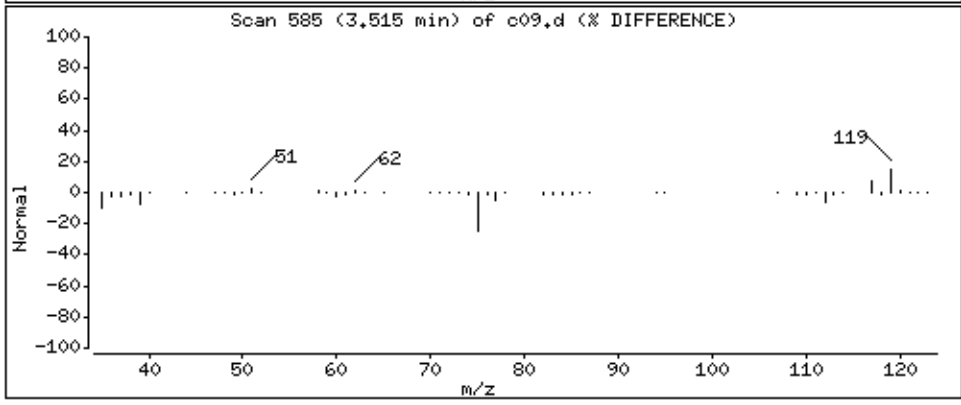
Concentration: 39.1 ppb

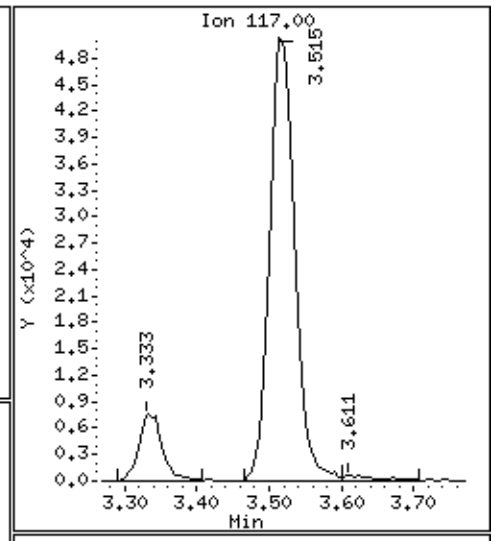
Review Code:

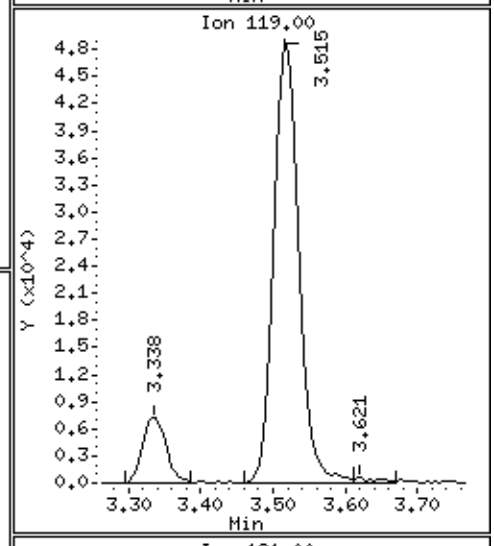


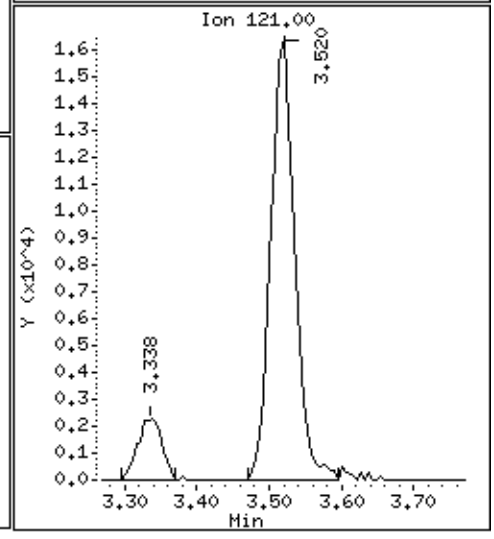












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

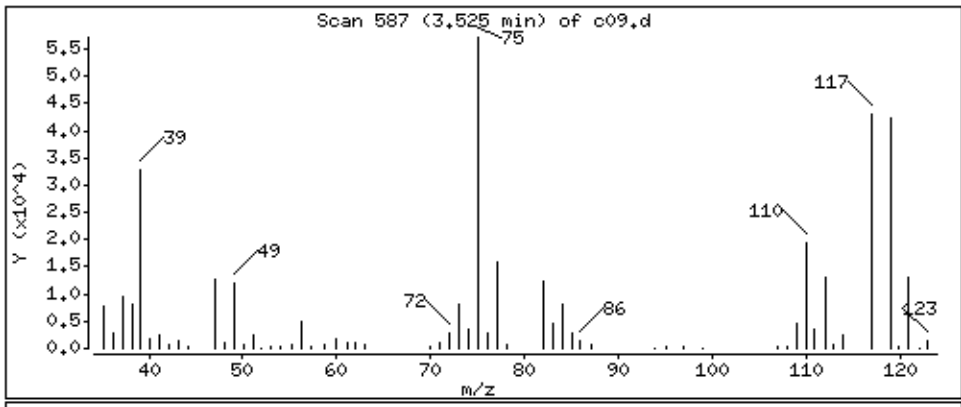
Column phase: DB-624

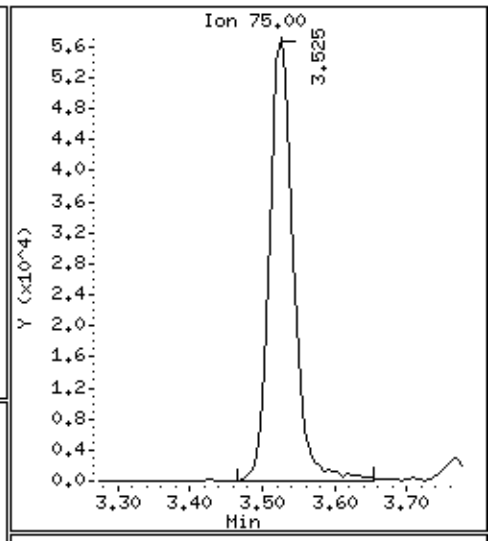
Column diameter: 0.18

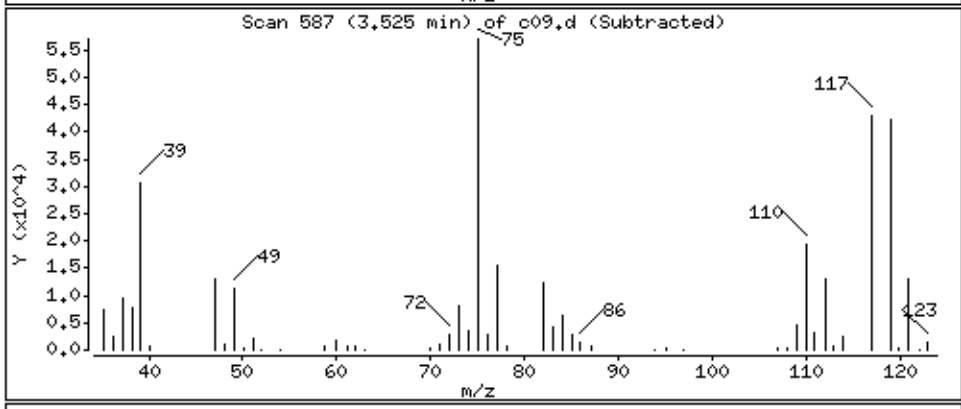
40 1,1-Dichloropropene

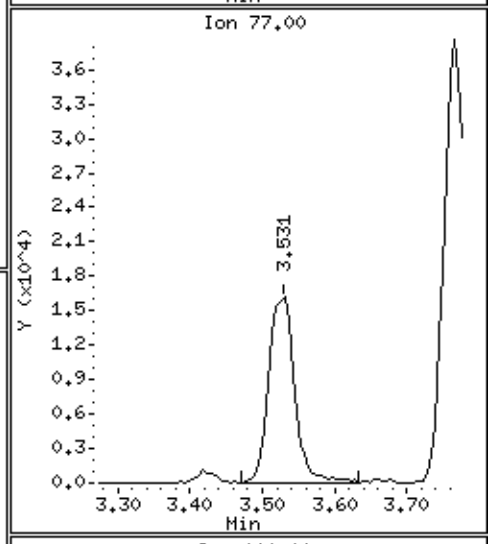
Concentration: 39.1 ppb

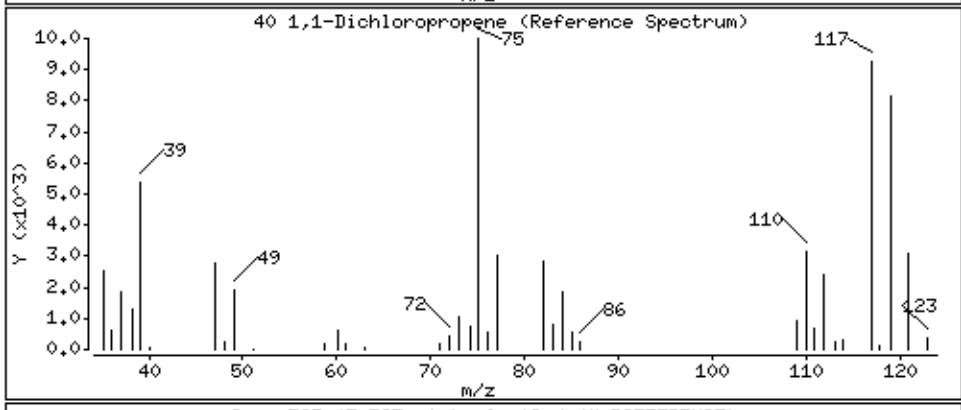
Review Code:

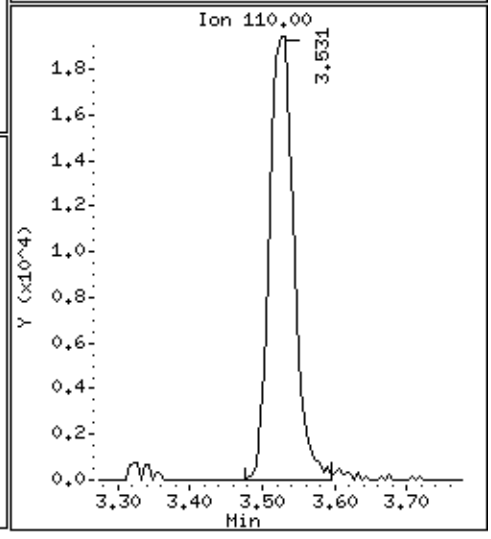


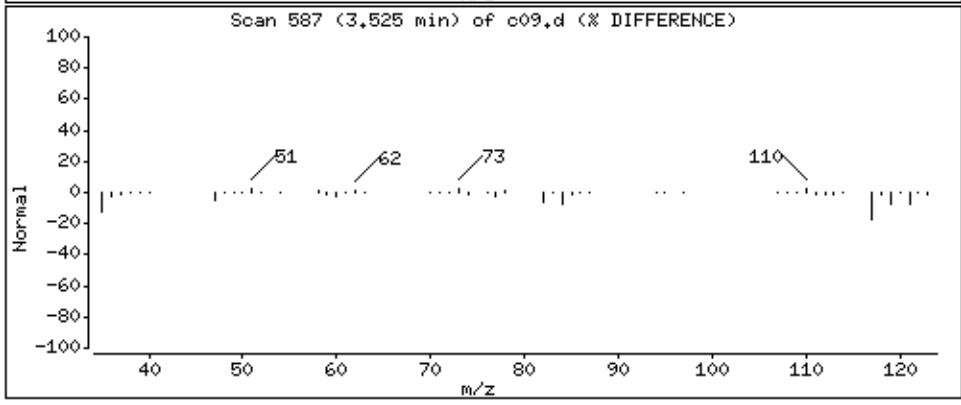












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

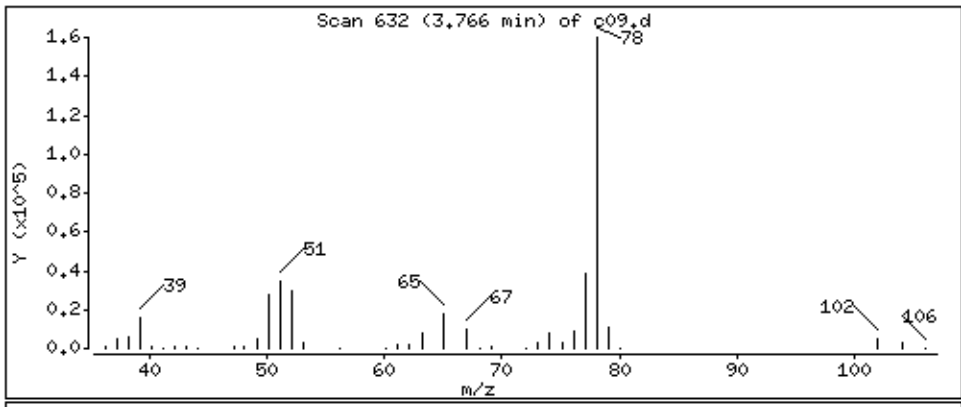
Column phase: DB-624

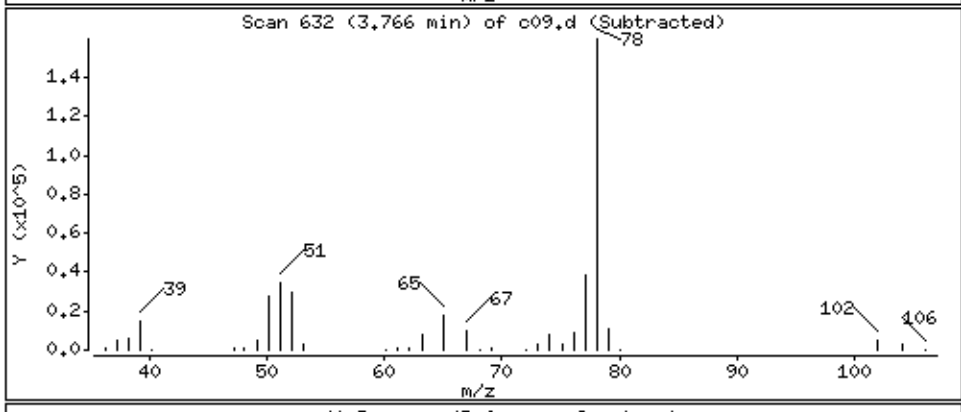
Column diameter: 0.18

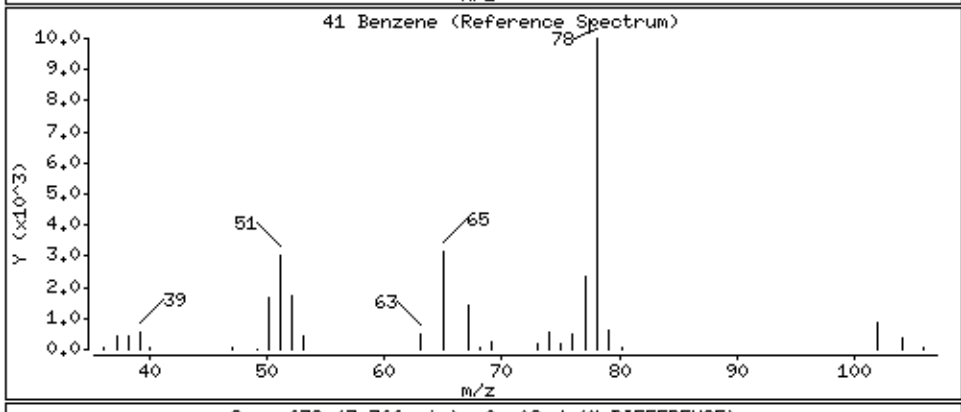
41 Benzene

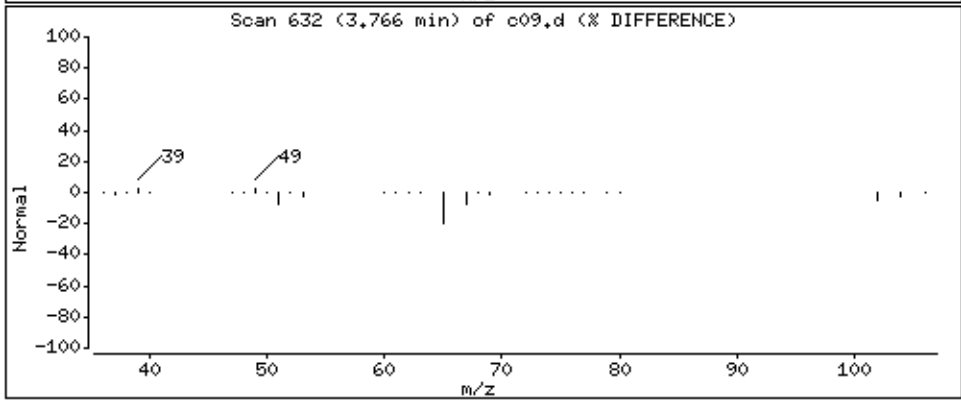
Concentration: 42.1 ppb

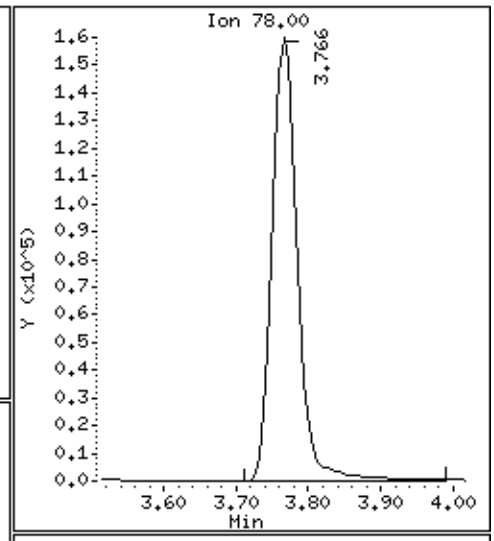
Review Code:

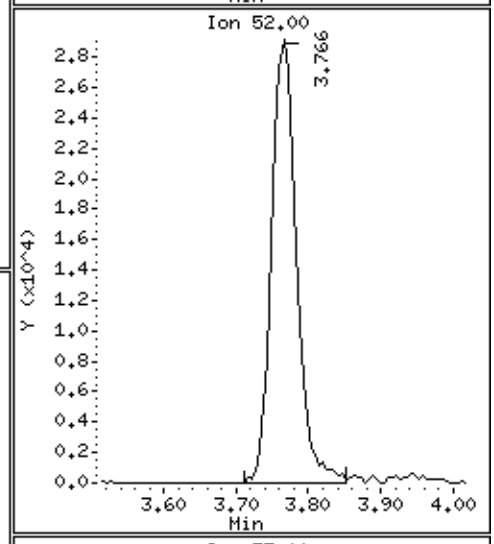


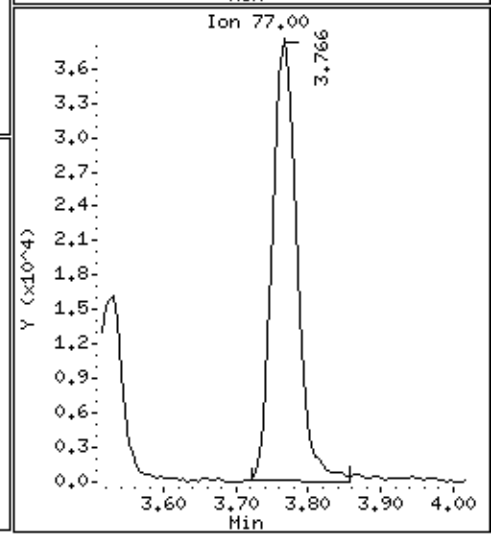












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

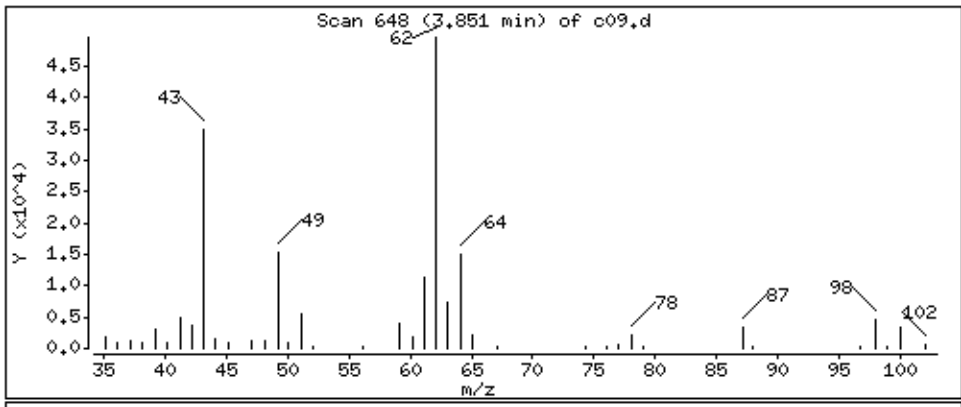
Column phase: DB-624

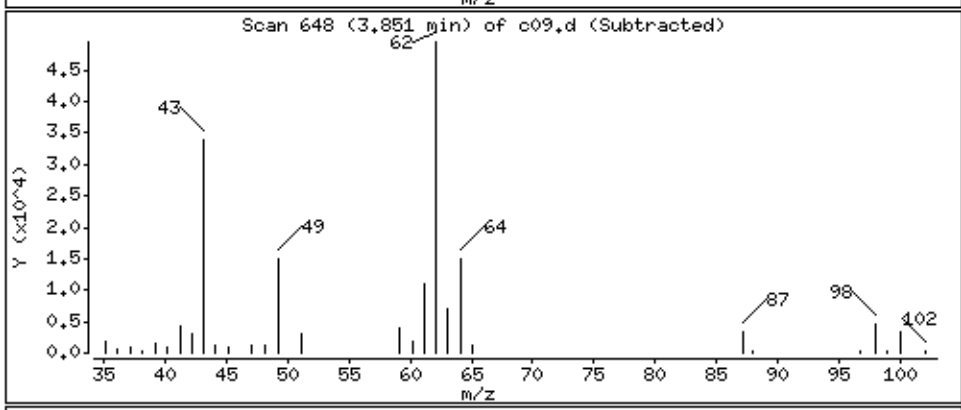
Column diameter: 0.18

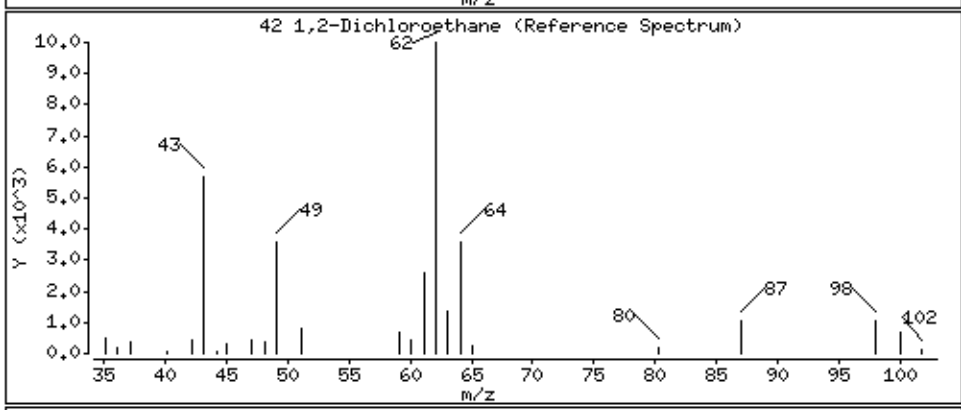
42 1,2-Dichloroethane

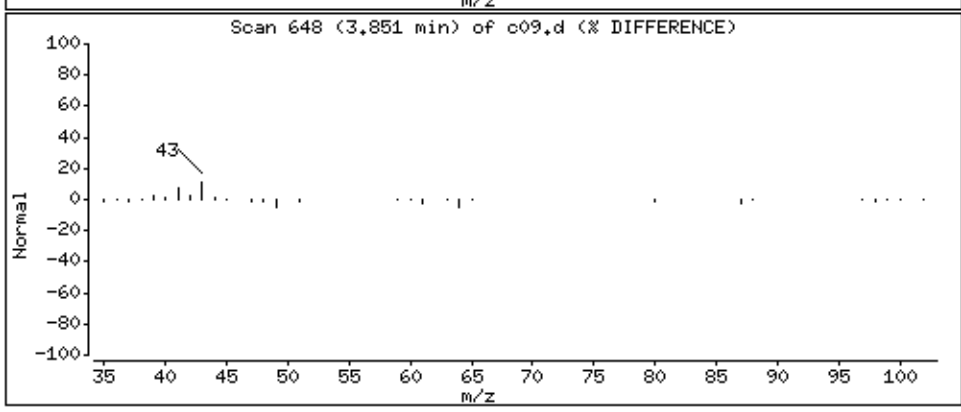
Concentration: 43.4 ppb

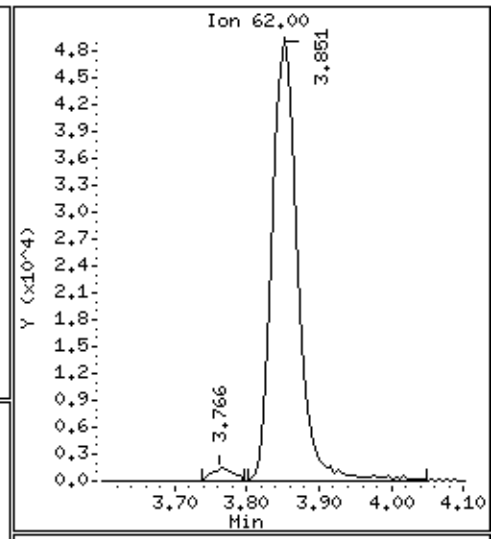
Review Code:

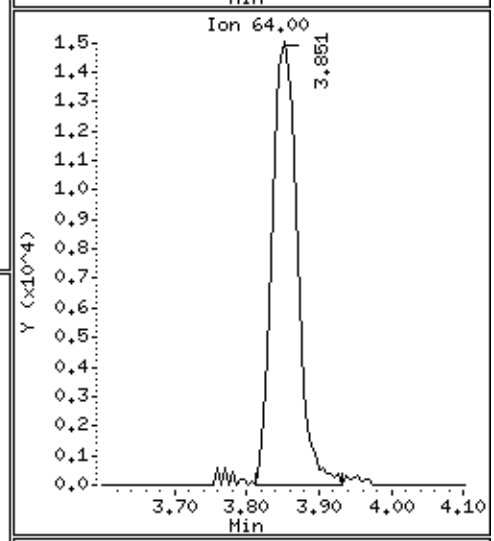


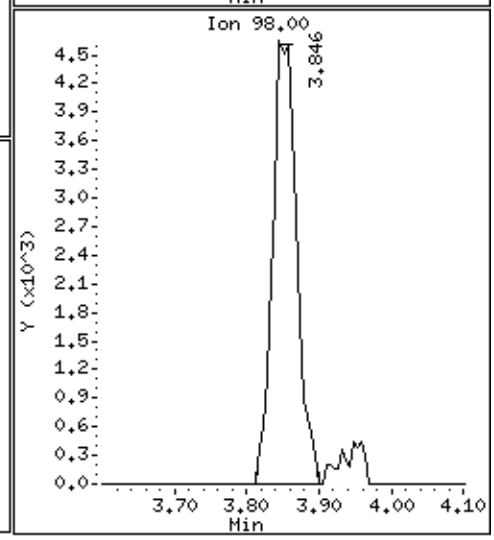












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

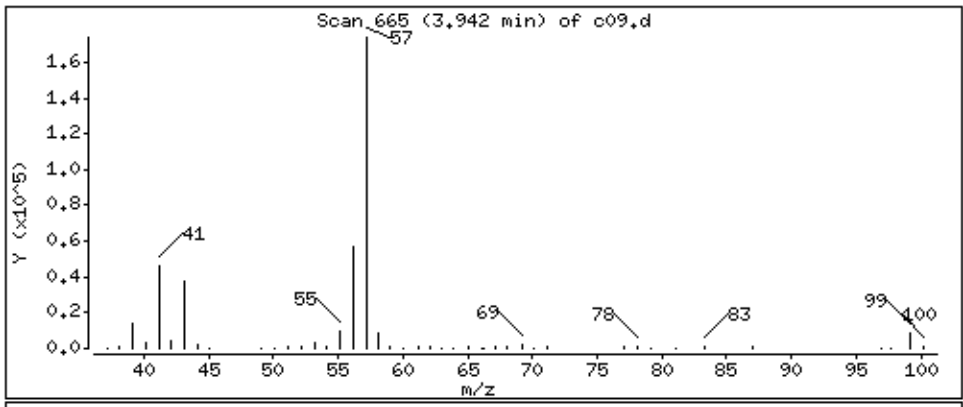
Column phase: DB-624

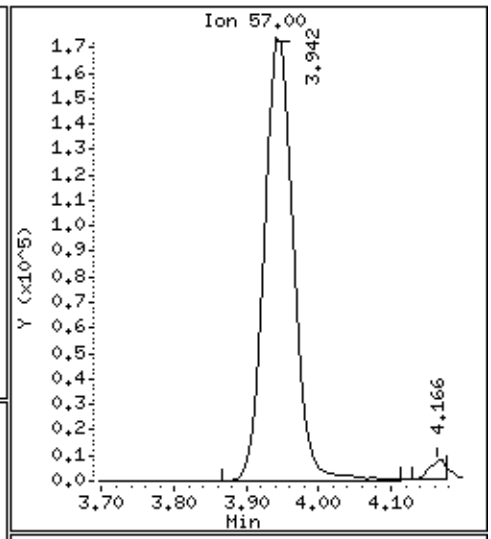
Column diameter: 0.18

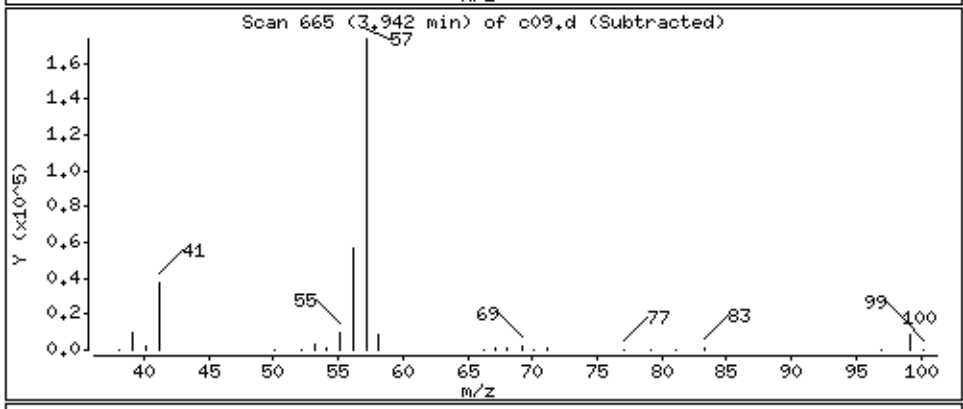
43 2,2,4-Trimethylpentane

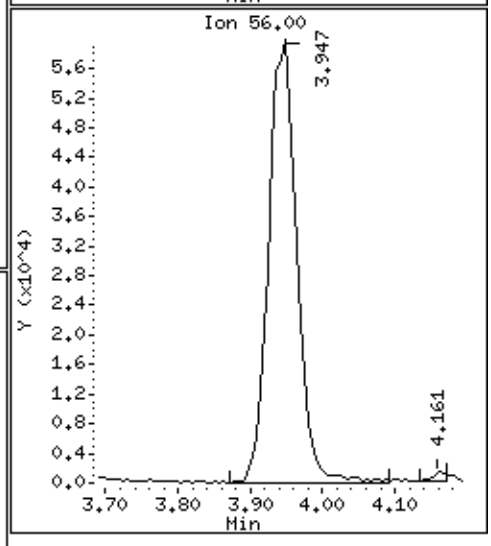
Concentration: 43.6 ppb

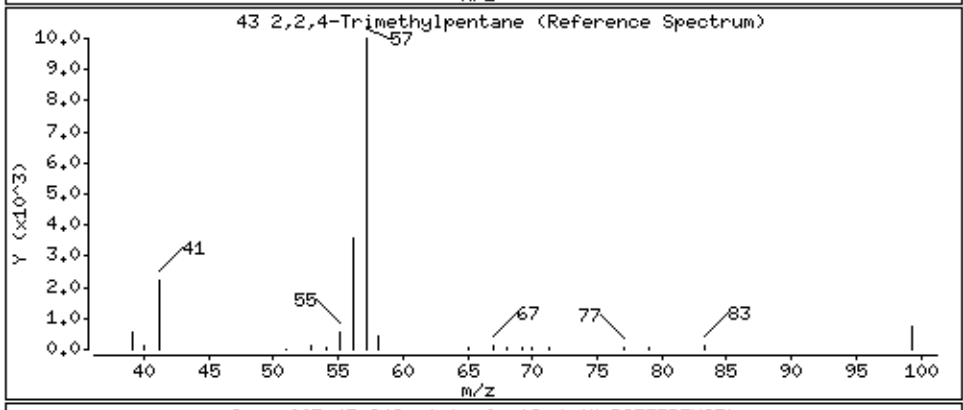
Review Code:

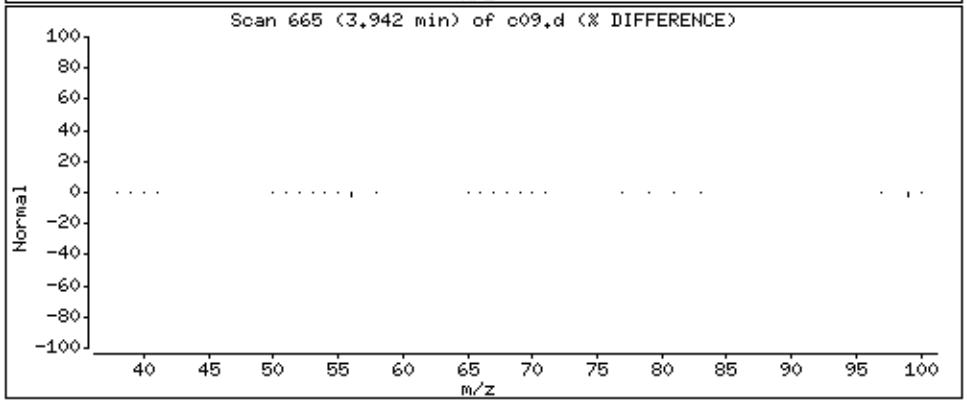












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

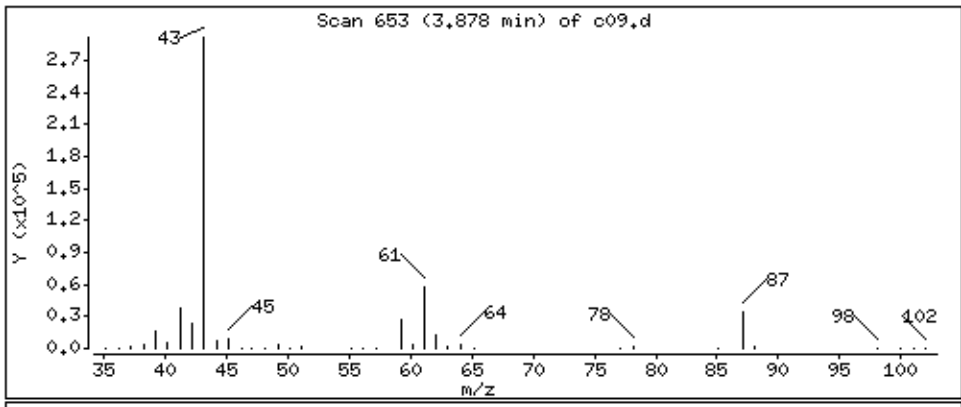
Column phase: DB-624

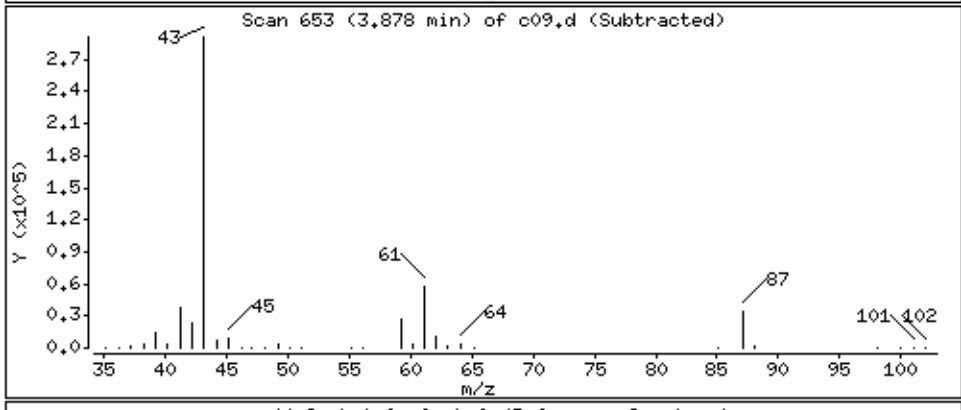
Column diameter: 0.18

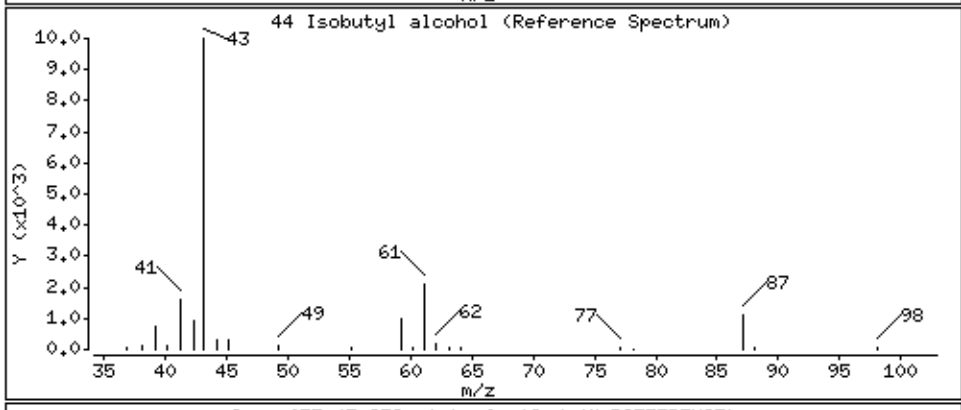
44 Isobutyl alcohol

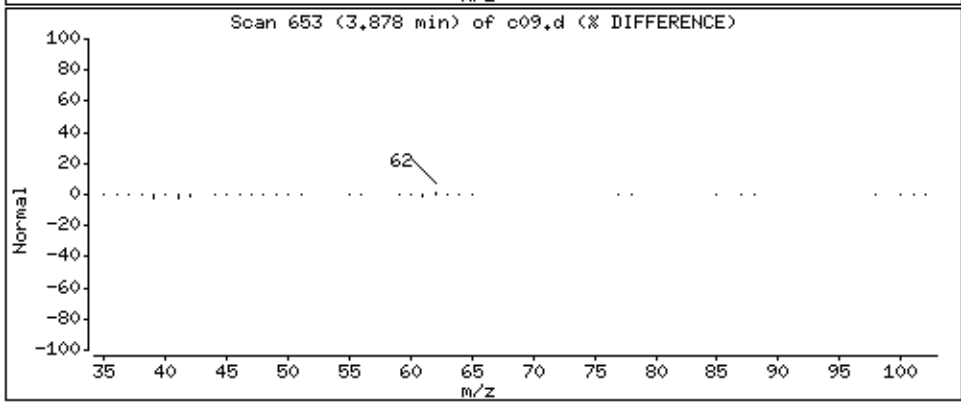
Concentration: 53.6 ppb

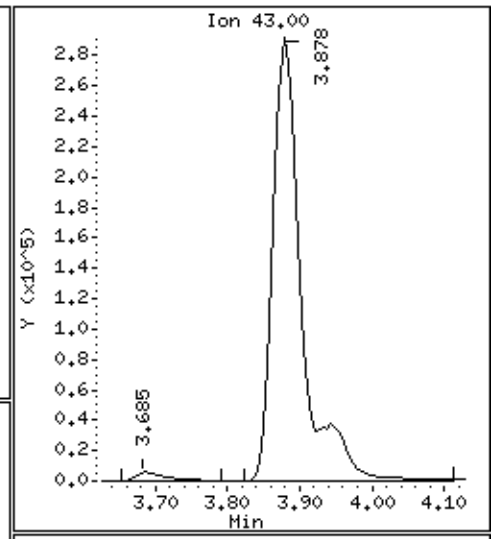
Review Code:

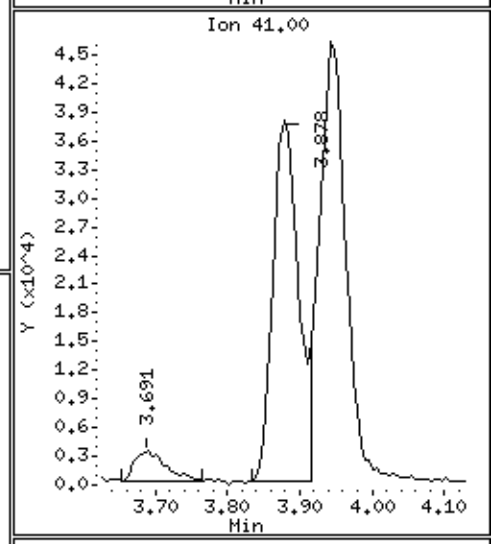


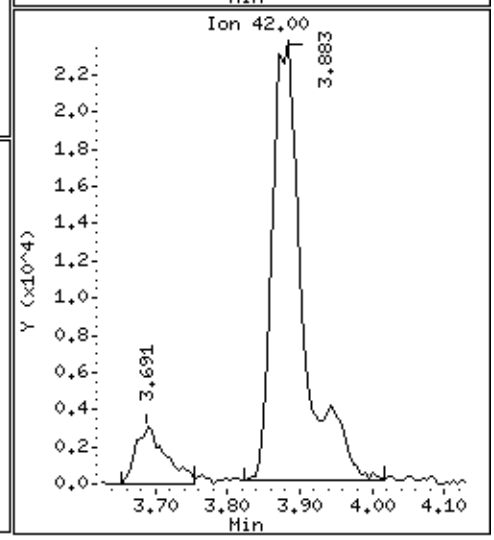












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

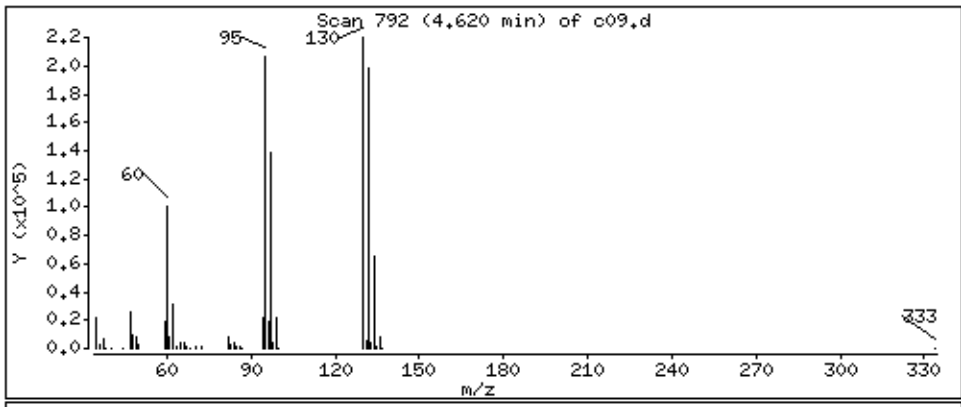
Column phase: DB-624

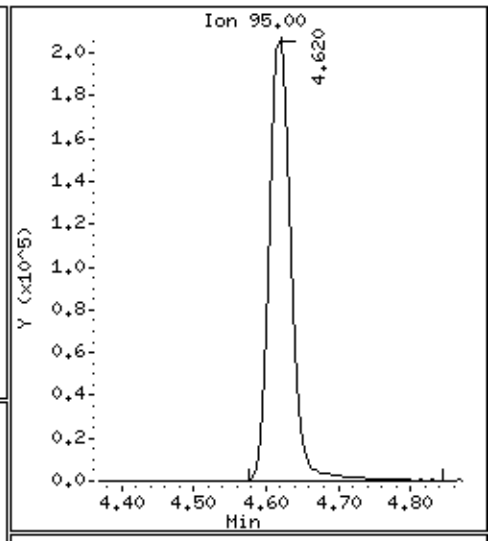
Column diameter: 0.18

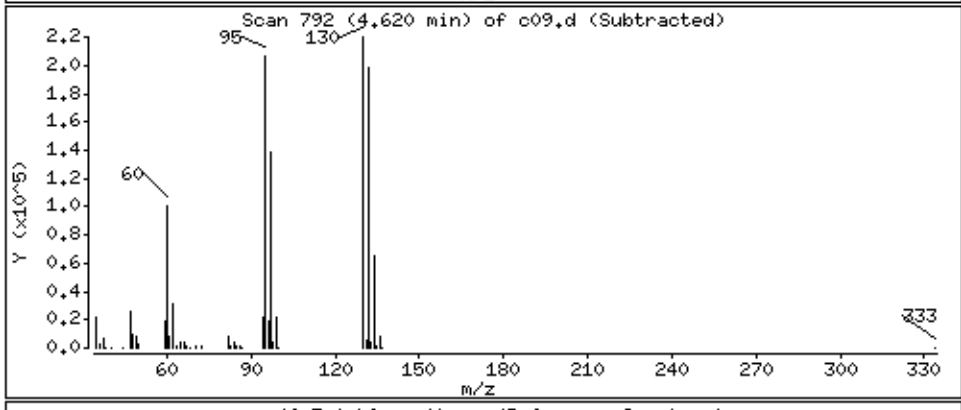
46 Trichloroethene

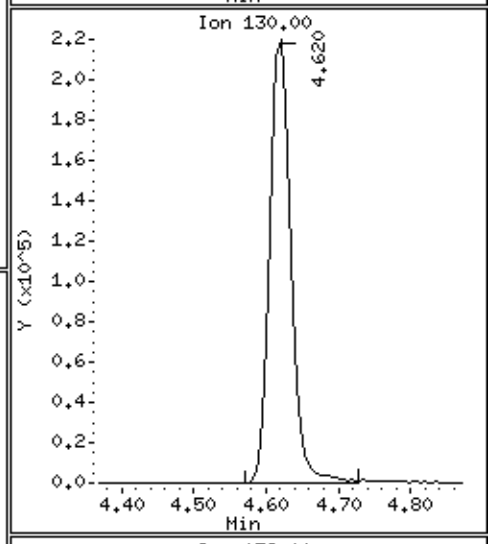
Concentration: 182 ppb

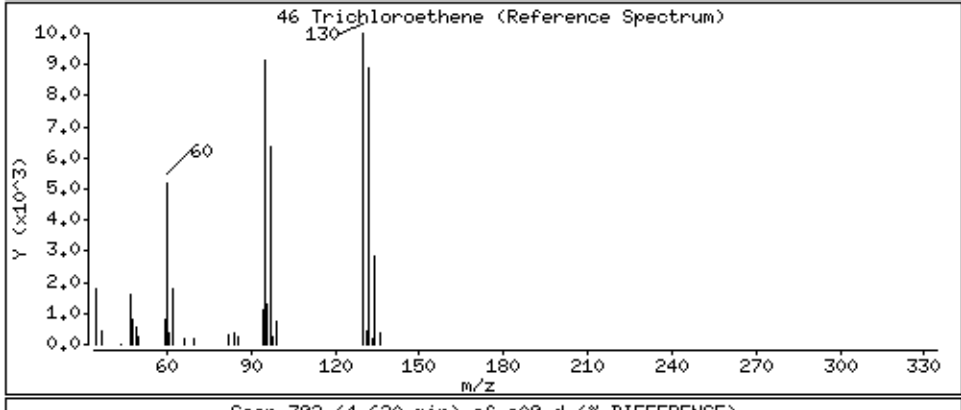
Review Code:

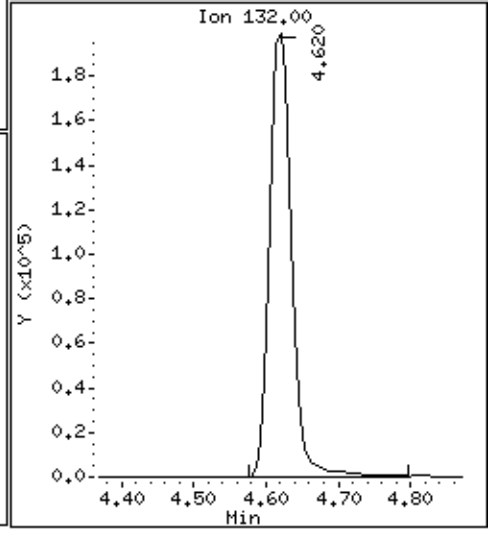


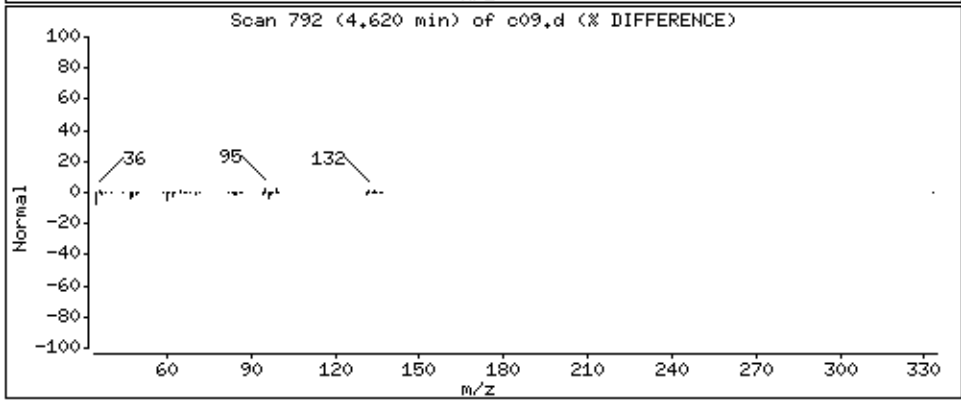












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

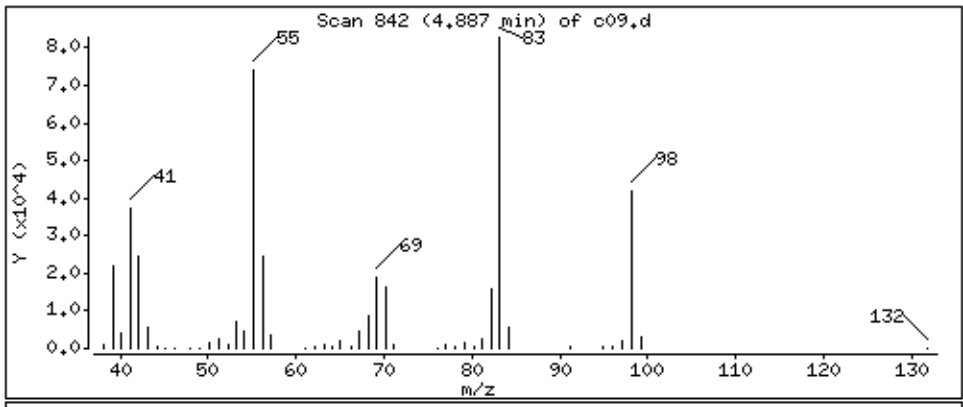
Column phase: DB-624

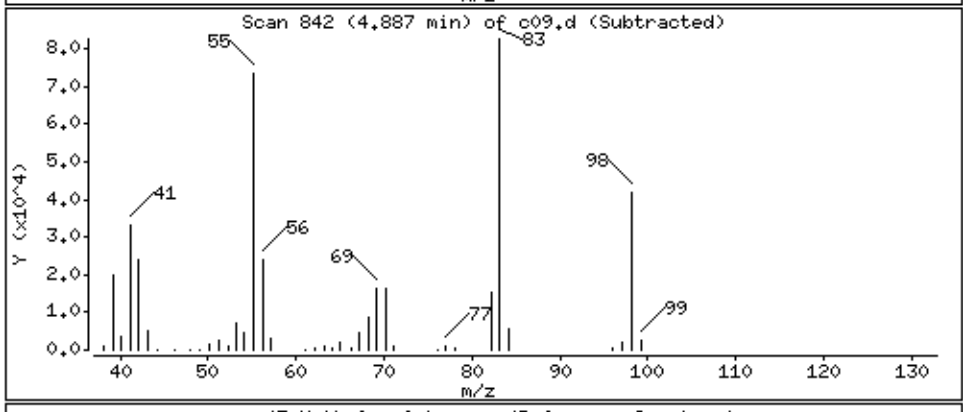
Column diameter: 0.18

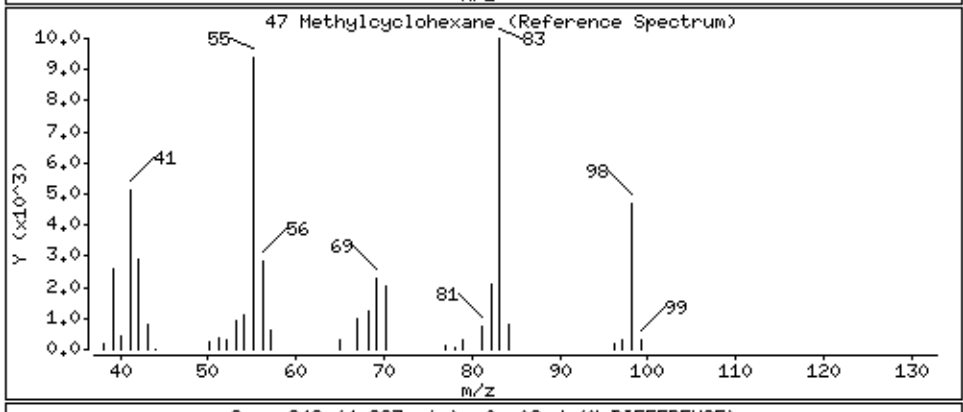
47 Methylcyclohexane

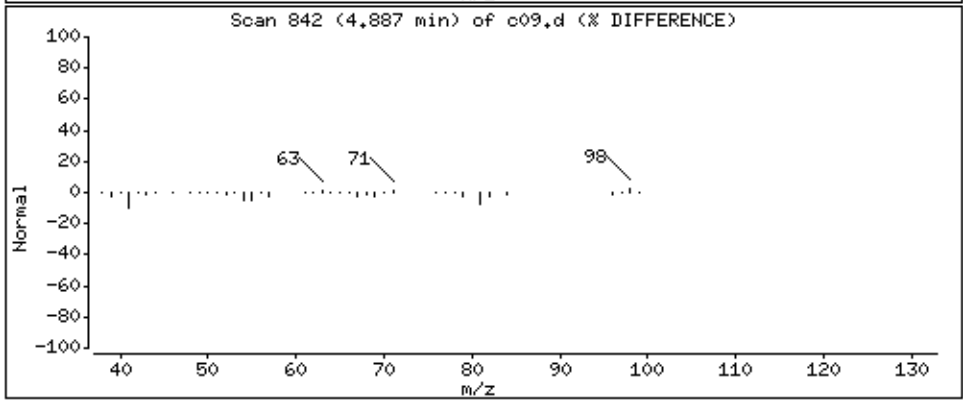
Concentration: 43.7 ppb

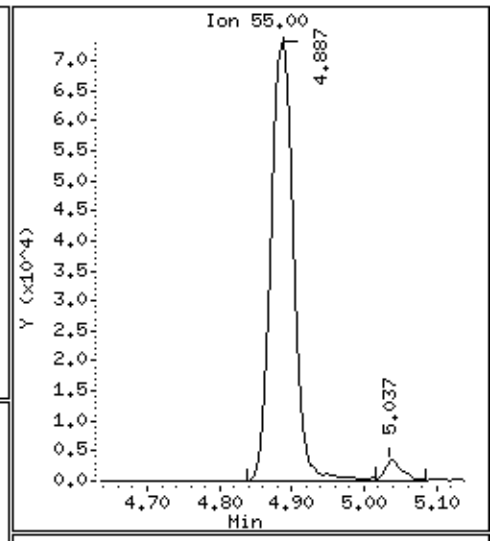
Review Code:

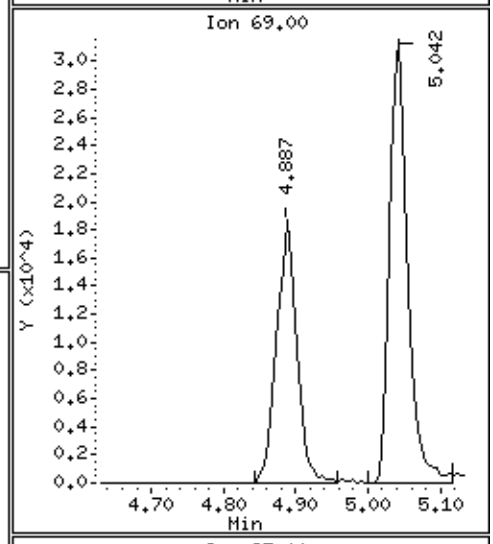


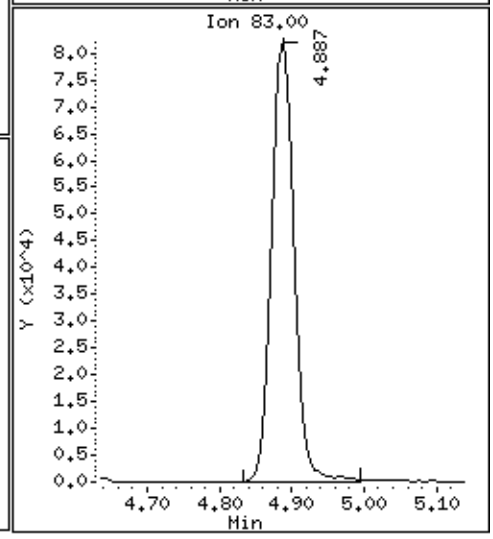












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

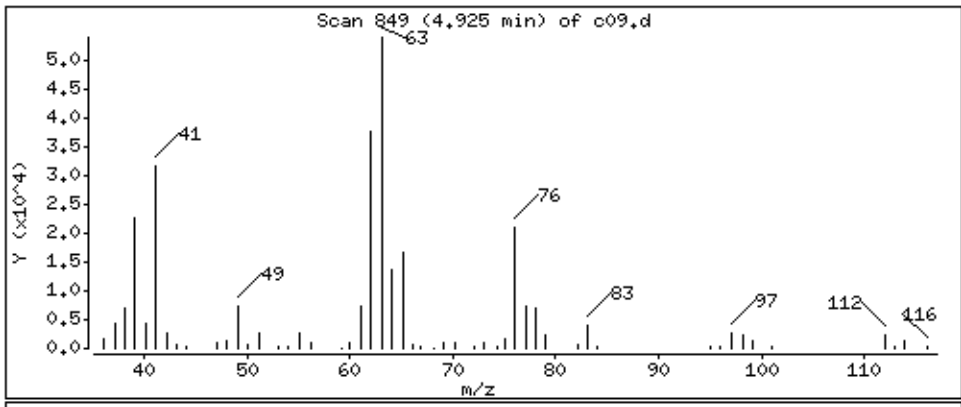
Column phase: DB-624

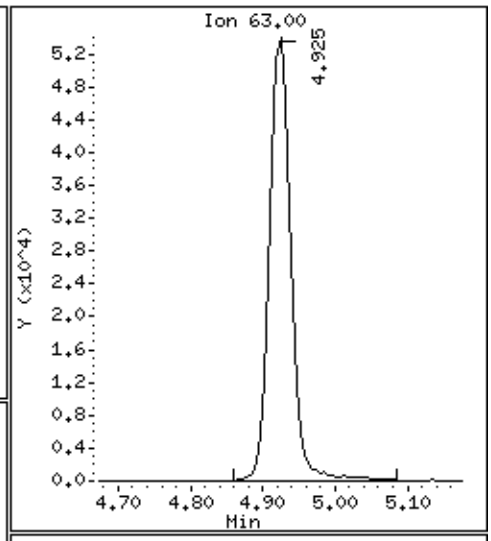
Column diameter: 0.18

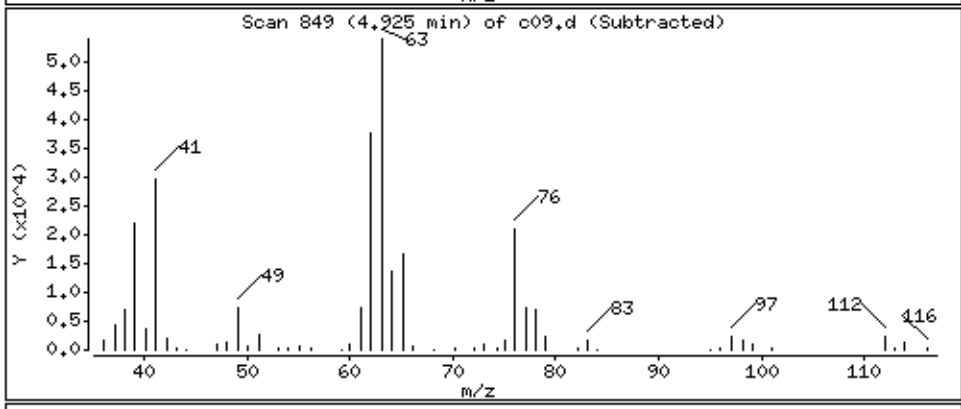
48 1,2-Dichloropropane

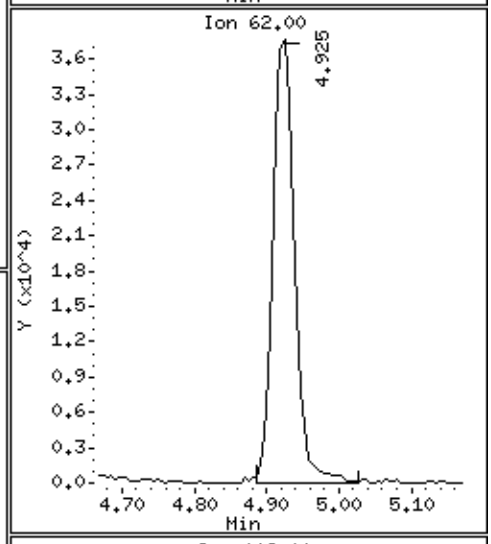
Concentration: 50.6 ppb

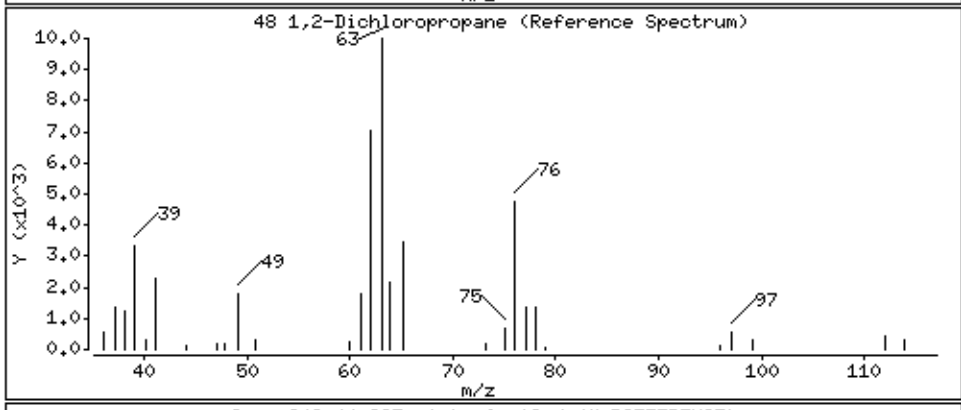
Review Code:

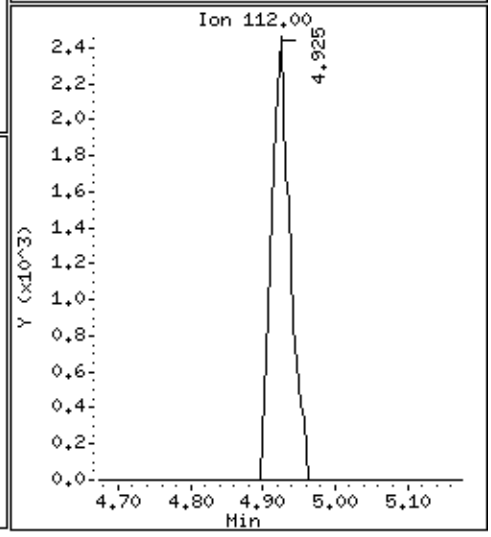


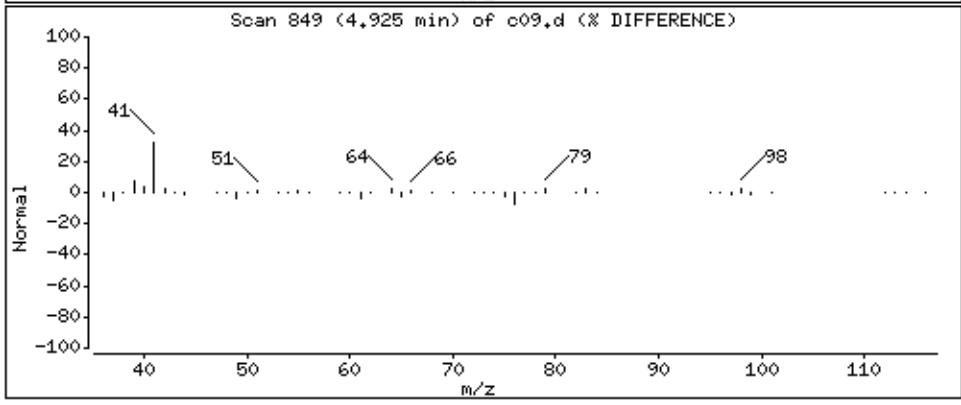












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

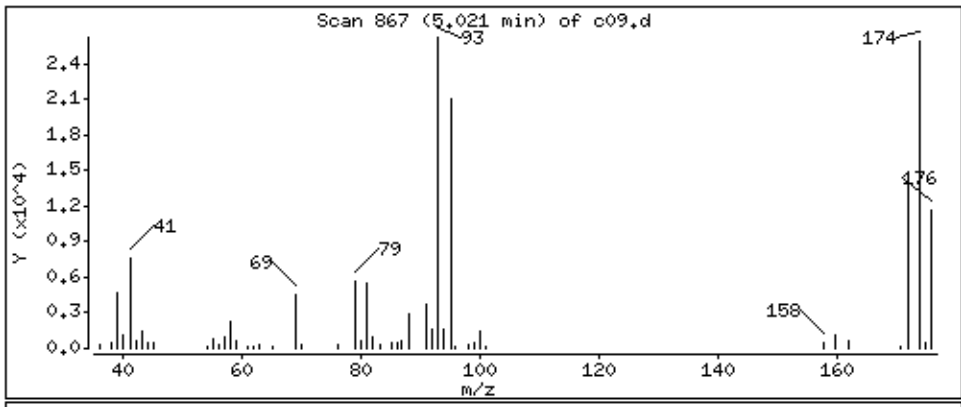
Column phase: DB-624

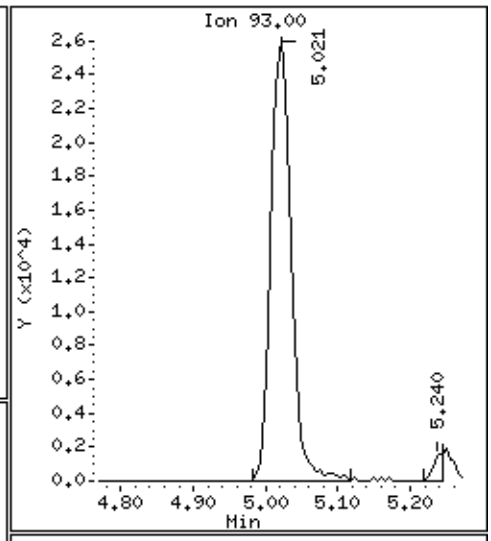
Column diameter: 0.18

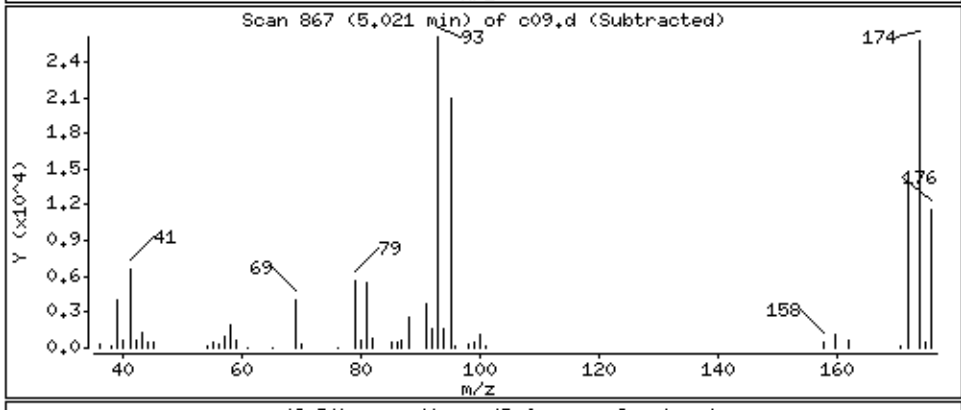
49 Dibromomethane

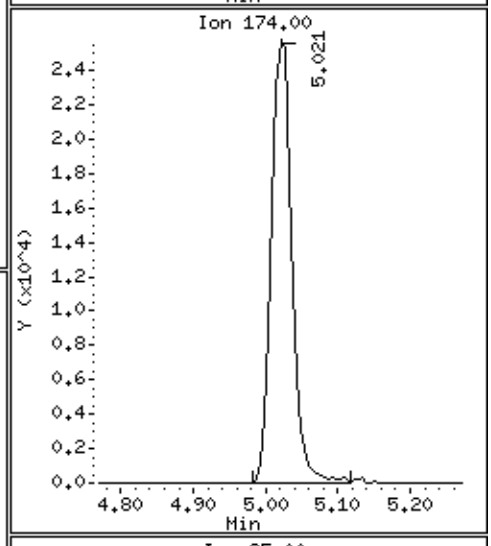
Concentration: 50.5 ppb

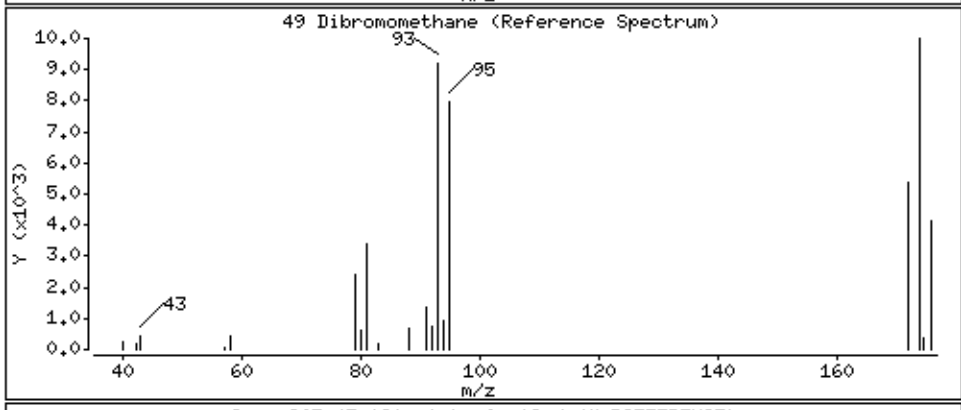
Review Code:

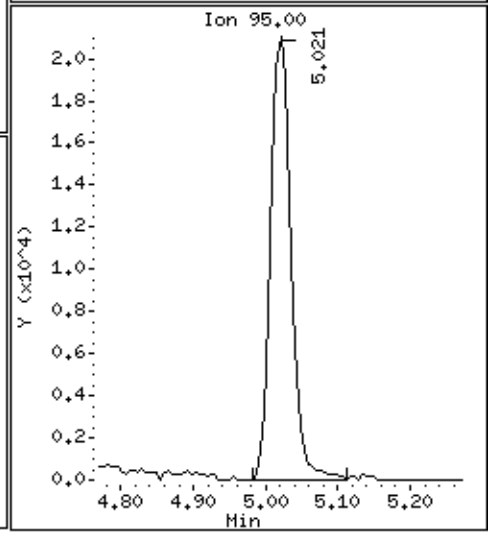


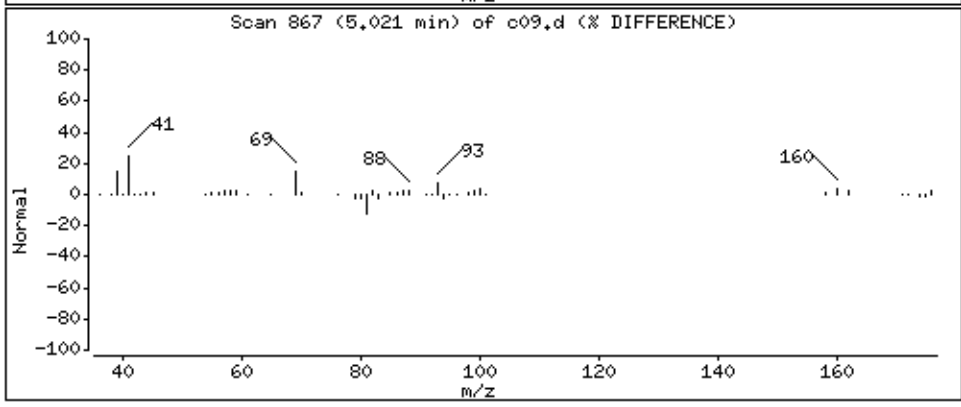












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

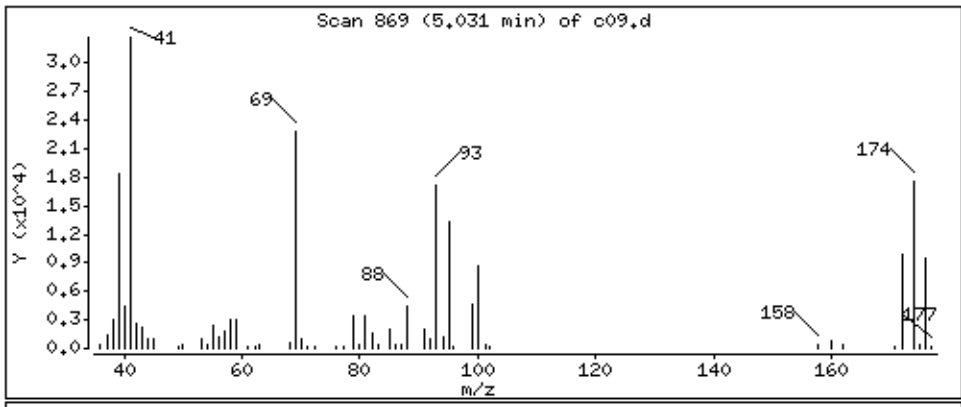
Column phase: DB-624

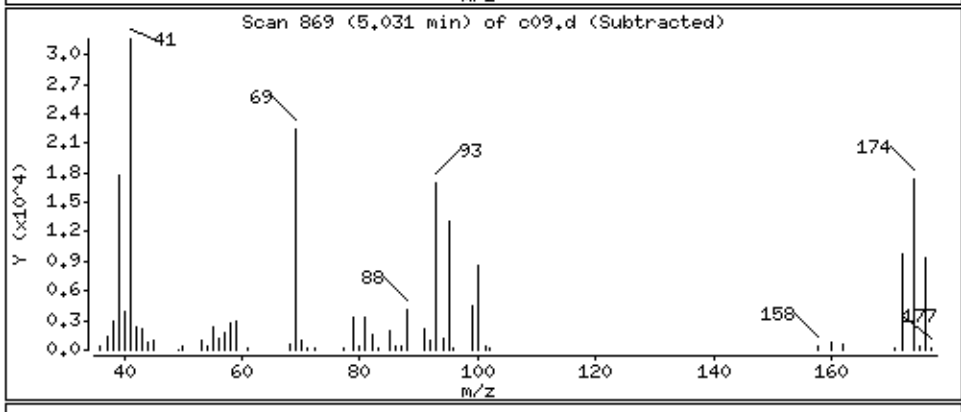
Column diameter: 0.18

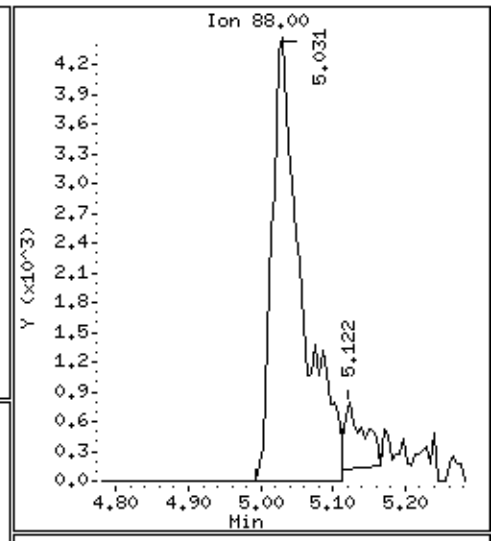
50 1,4-Dioxane

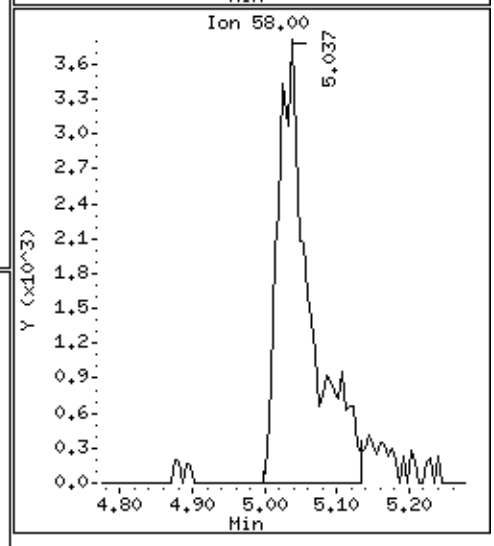
Concentration: 968 ppb

Review Code:









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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

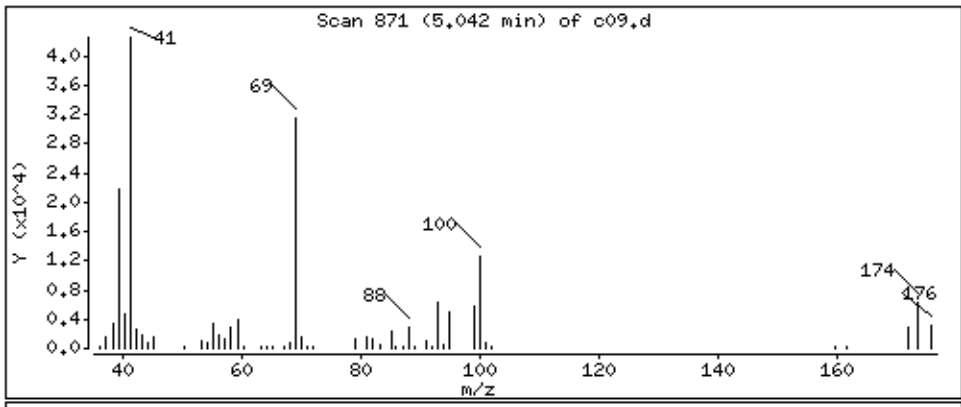
Column phase: DB-624

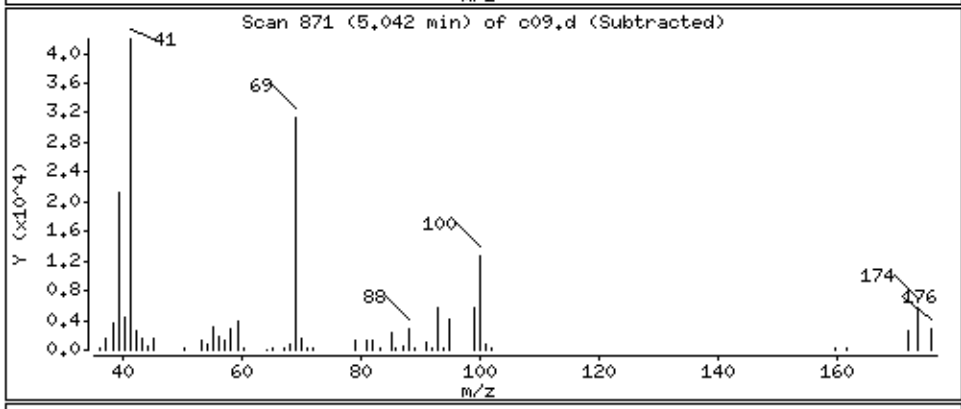
Column diameter: 0.18

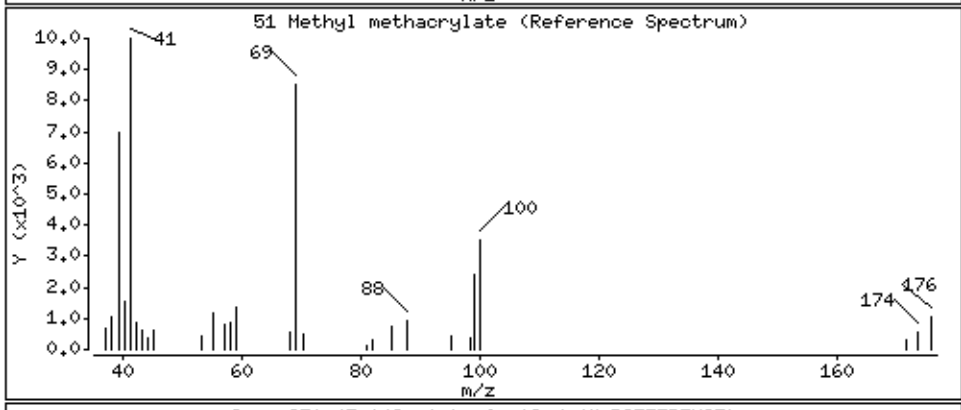
51 Methyl methacrylate

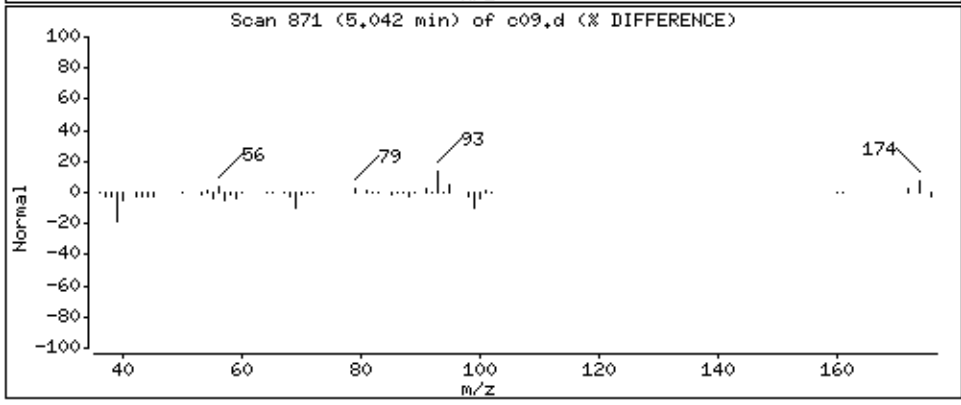
Concentration: 60.6 ppb

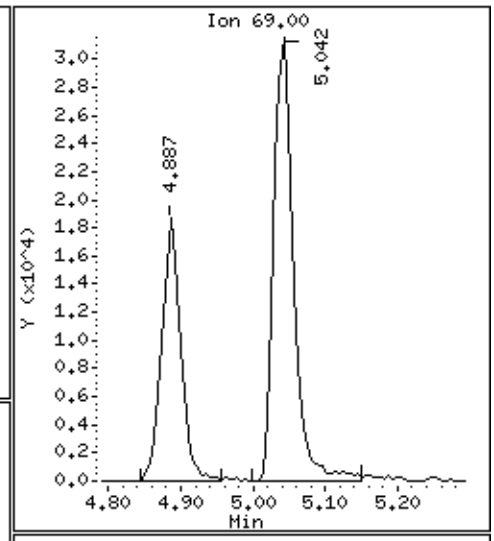
Review Code:

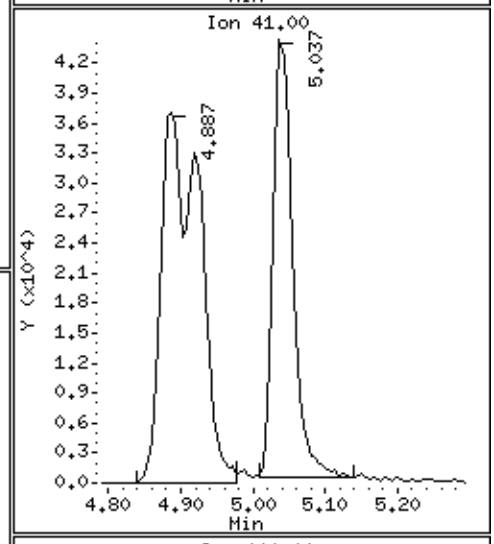


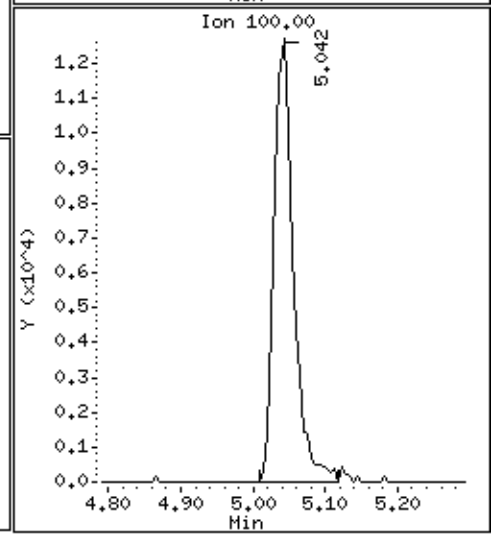












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

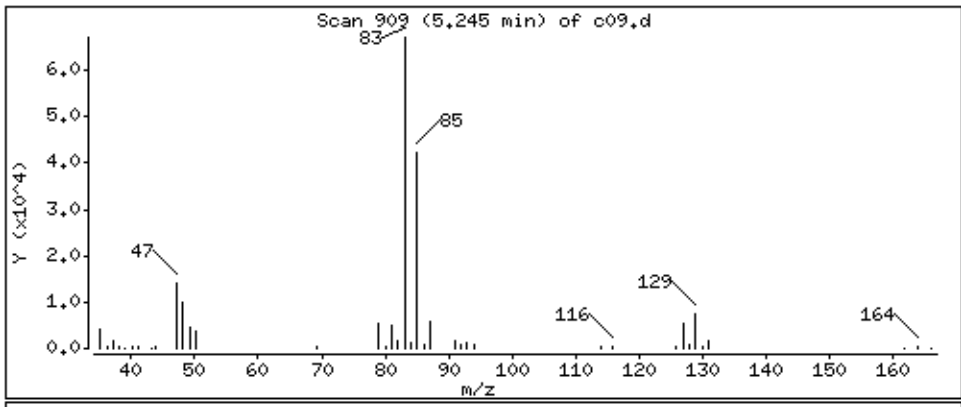
Column phase: DB-624

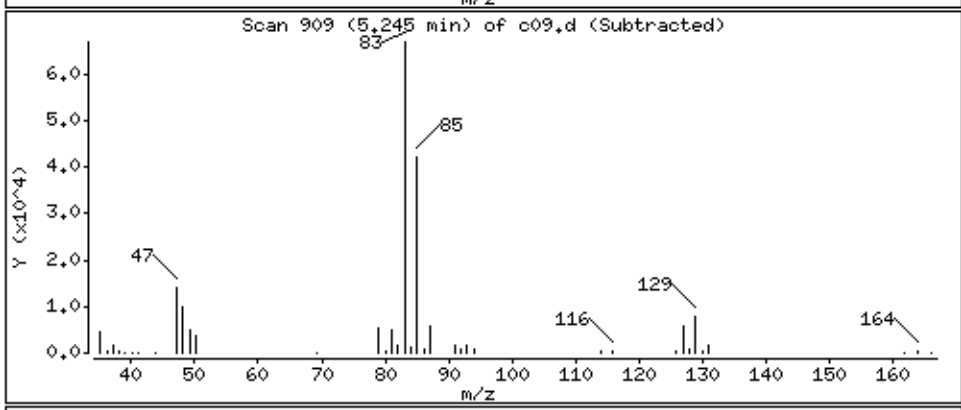
Column diameter: 0.18

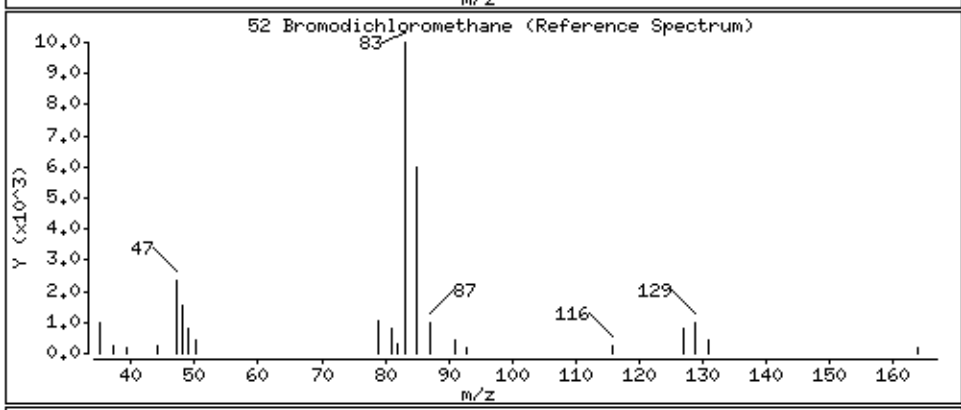
52 Bromodichloromethane

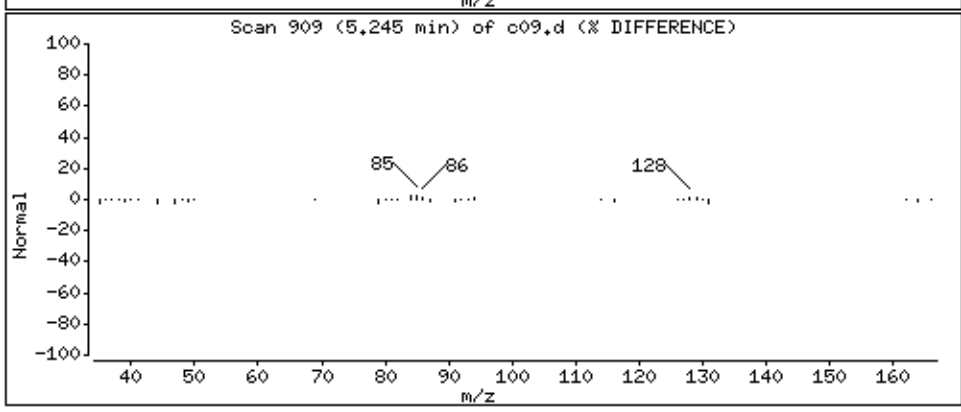
Concentration: 50.0 ppb

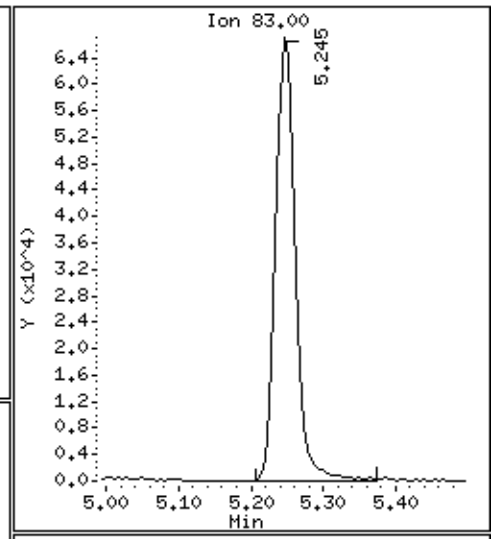
Review Code:

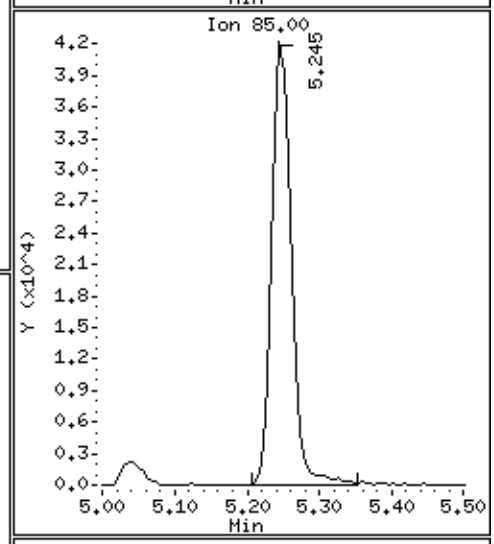


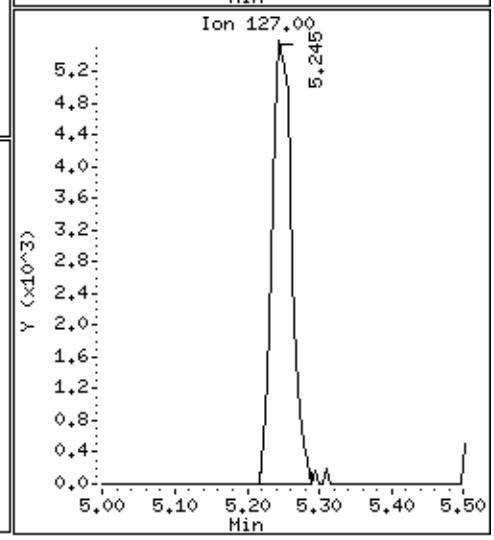












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

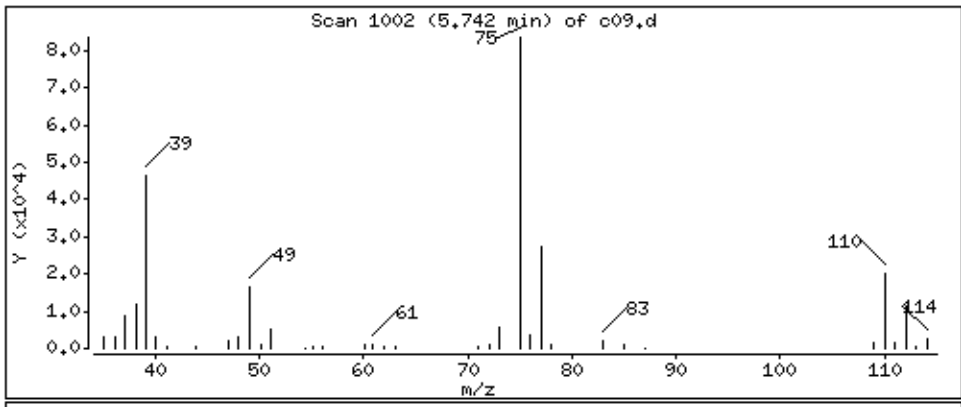
Column phase: DB-624

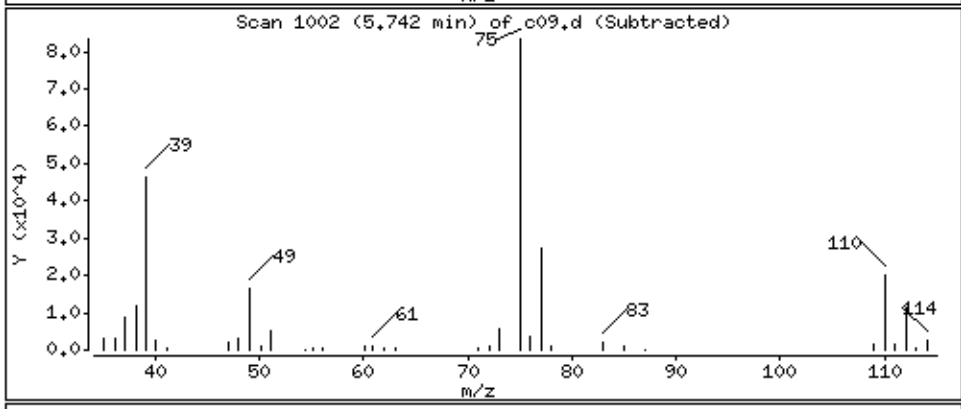
Column diameter: 0.18

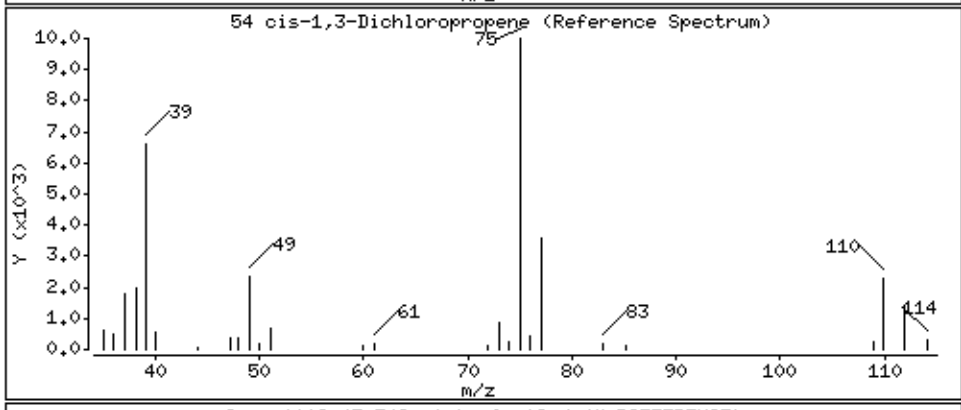
54 cis-1,3-Dichloropropene

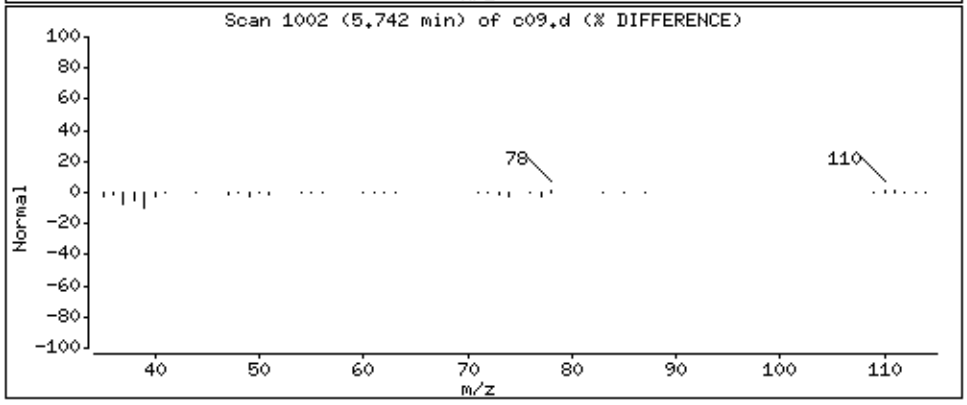
Concentration: 43.2 ppb

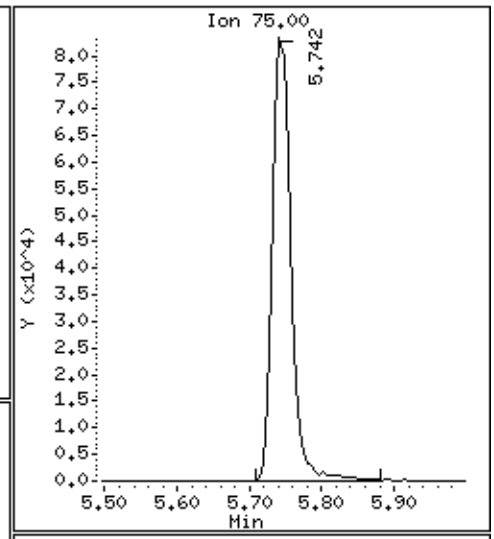
Review Code:

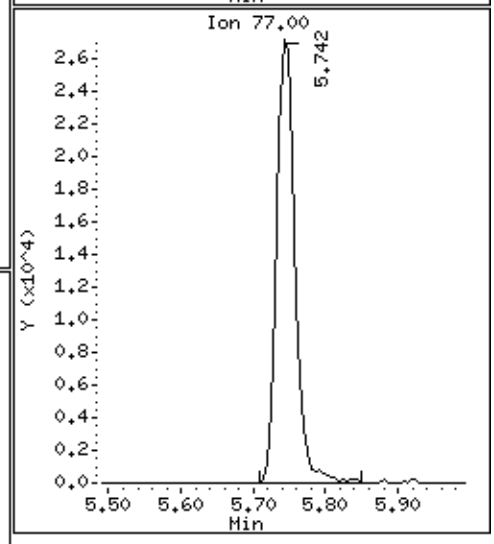












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

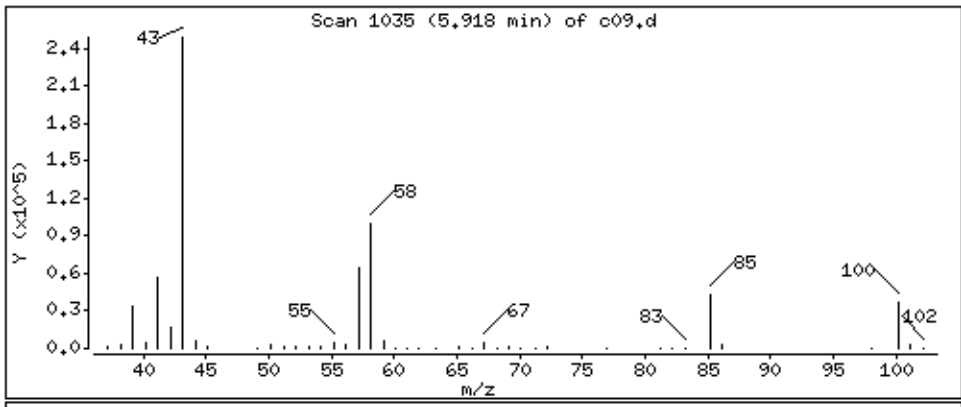
Column phase: DB-624

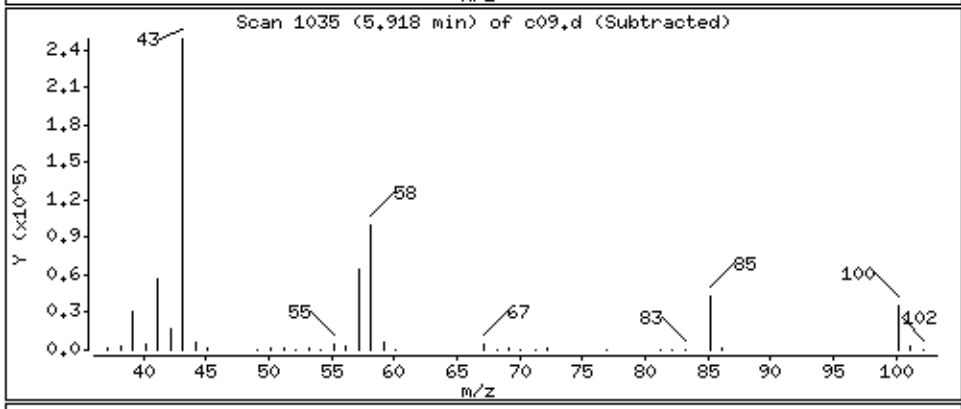
Column diameter: 0.18

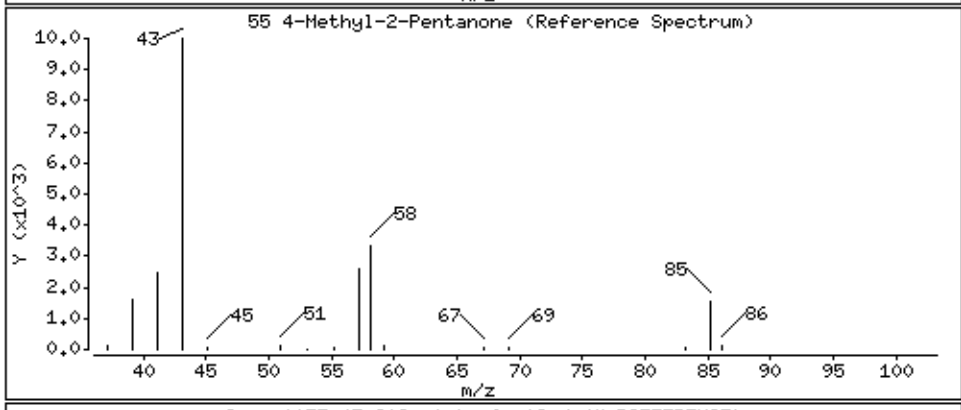
55 4-Methyl-2-Pentanone

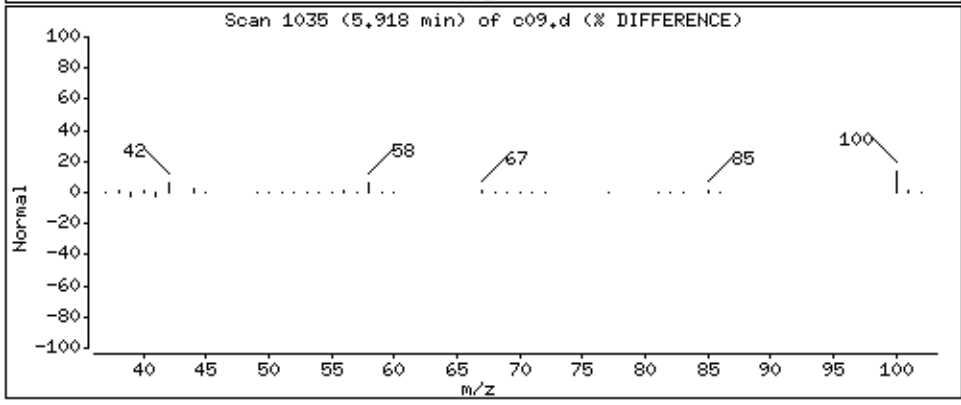
Concentration: 285 ppb

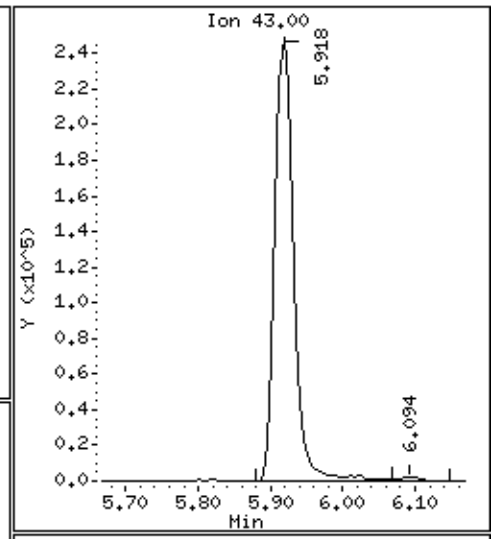
Review Code:

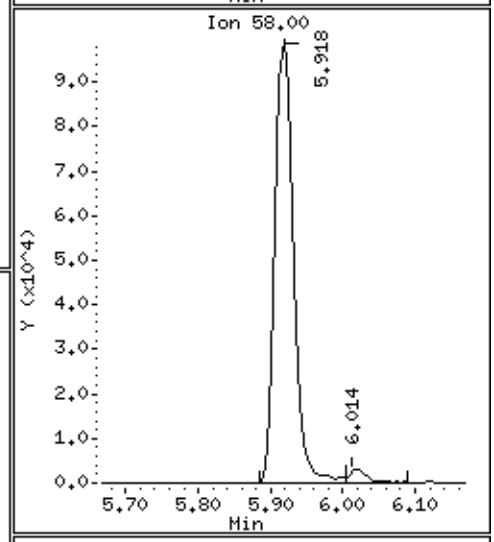


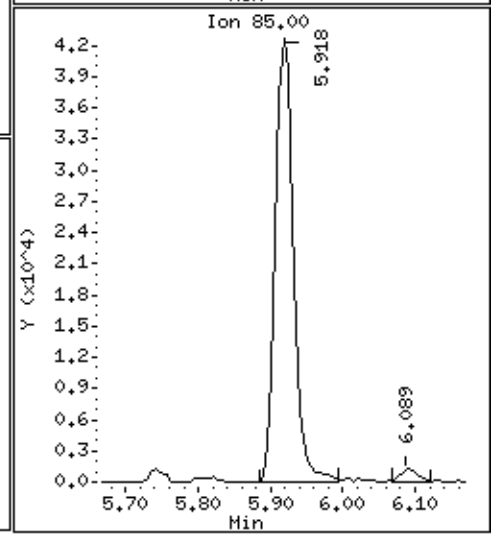












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

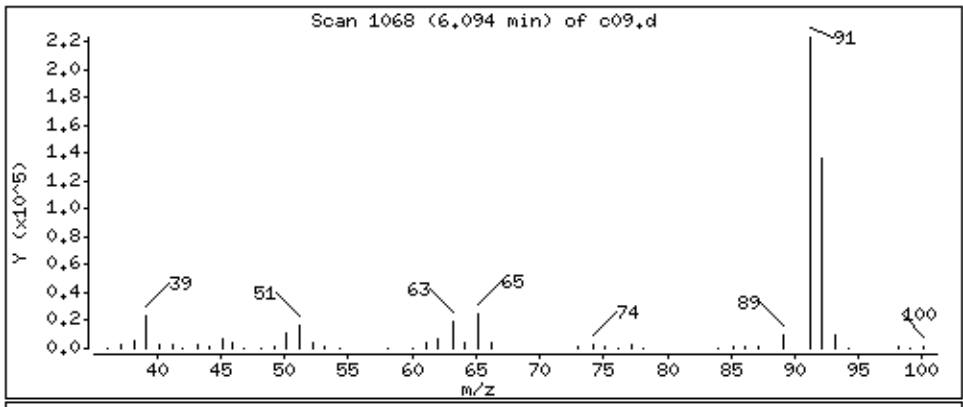
Column phase: DB-624

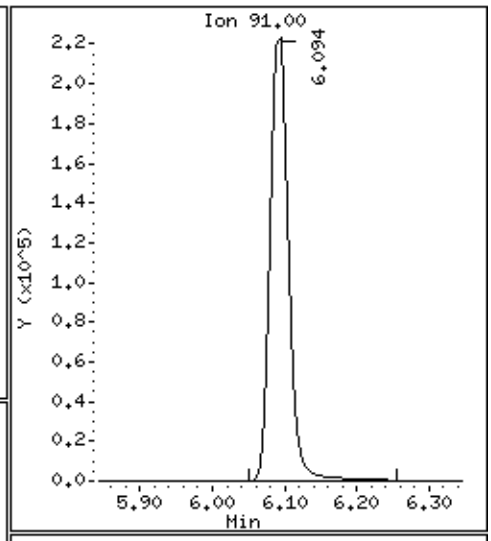
Column diameter: 0.18

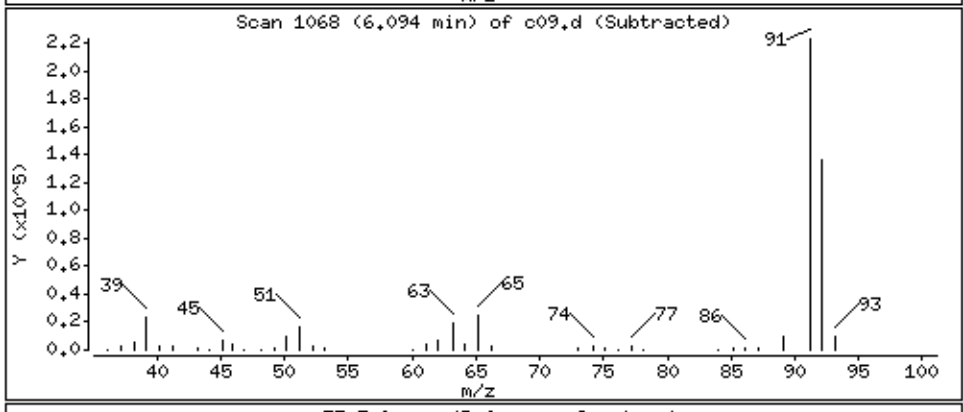
57 Toluene

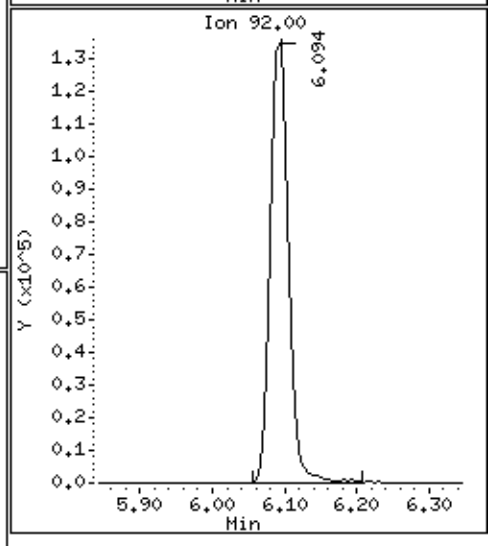
Concentration: 34.7 ppb

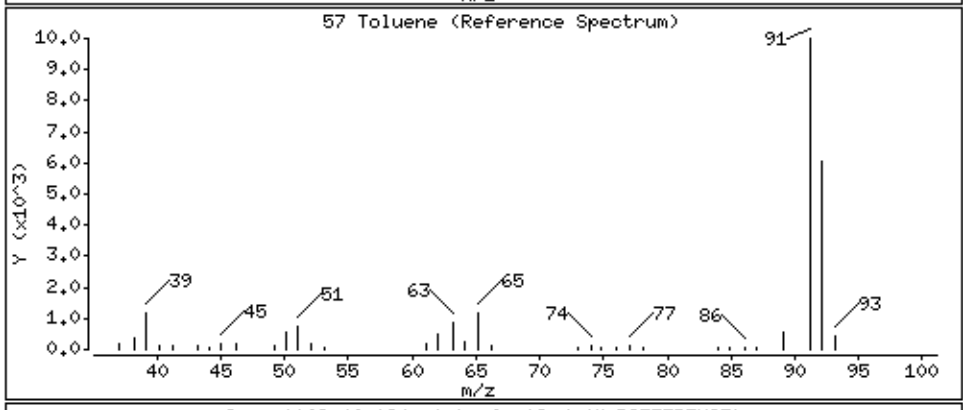
Review Code:

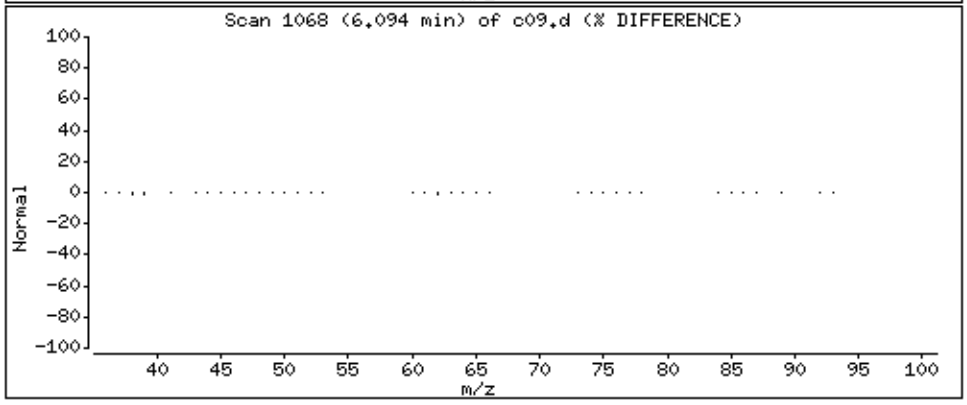












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

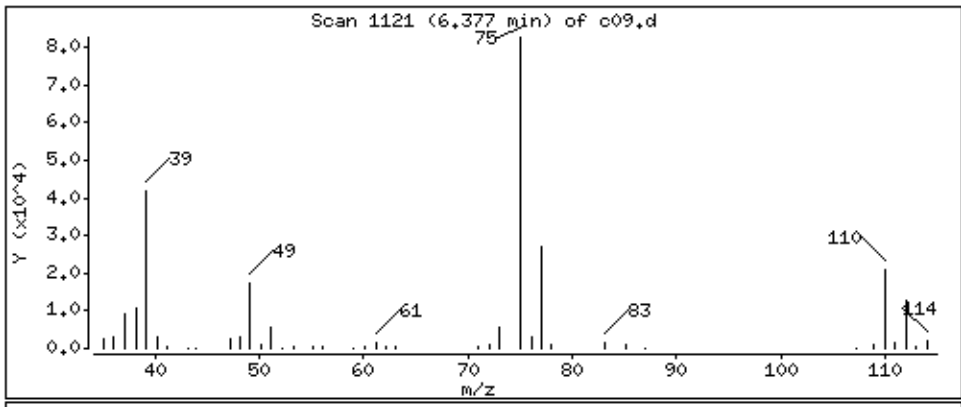
Column phase: DB-624

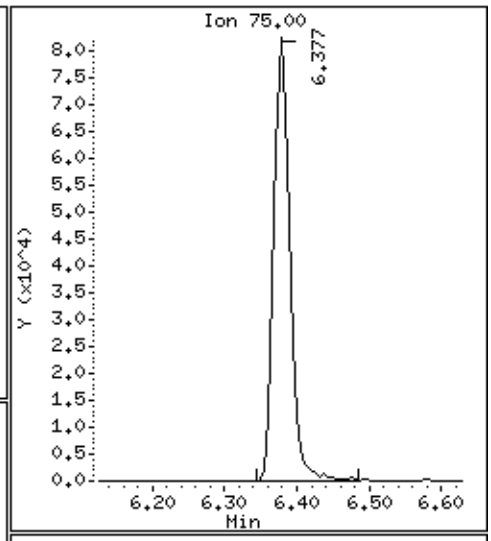
Column diameter: 0.18

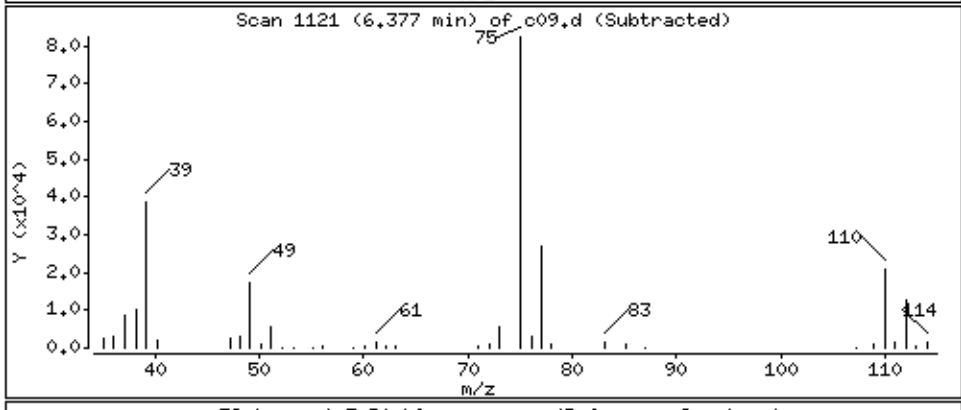
58 trans-1,3-Dichloropropene

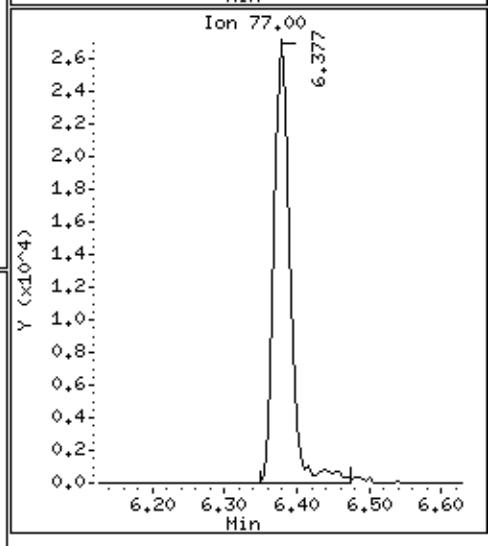
Concentration: 45.6 ppb

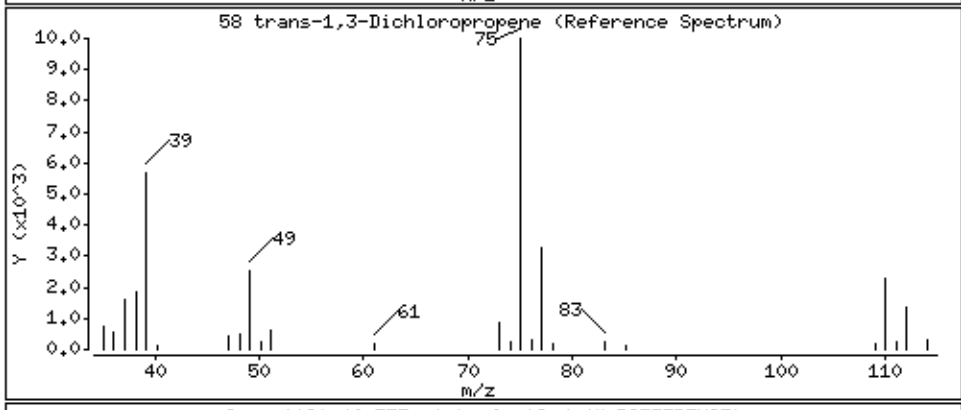
Review Code:

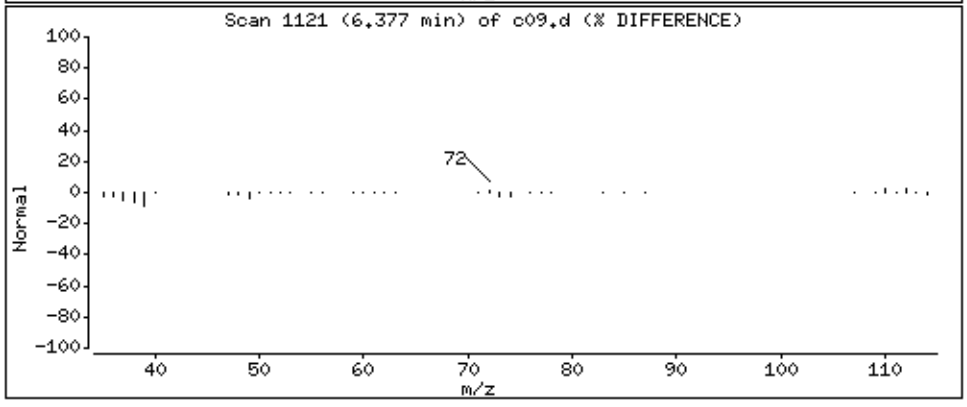












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

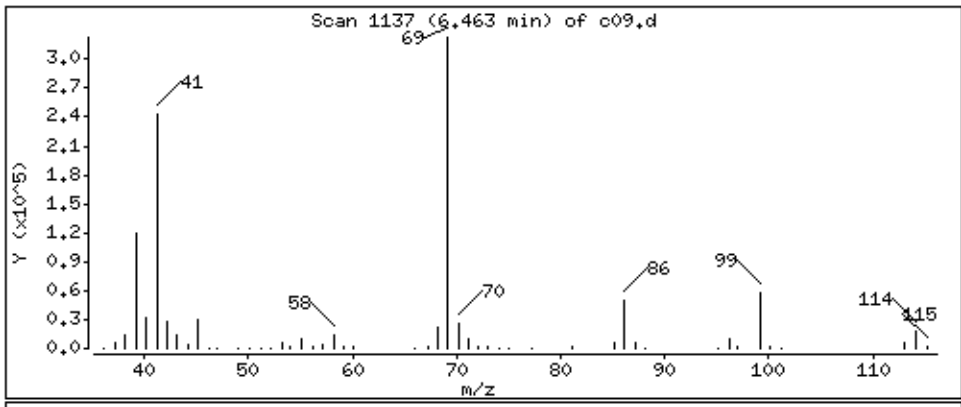
Column phase: DB-624

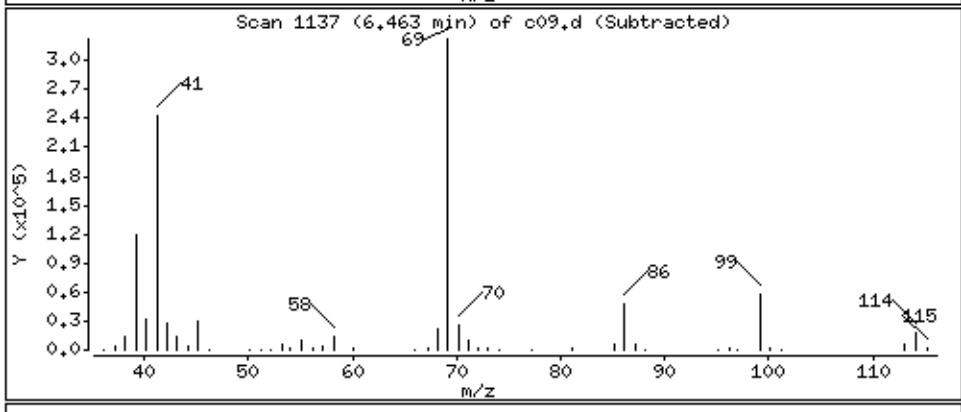
Column diameter: 0.18

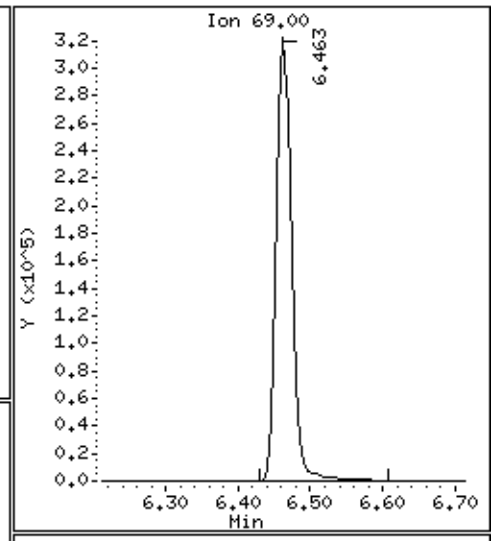
59 Ethyl Methacrylate

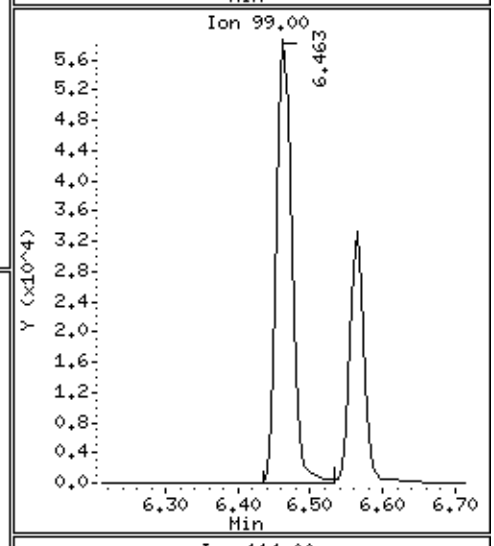
Concentration: 228 ppb

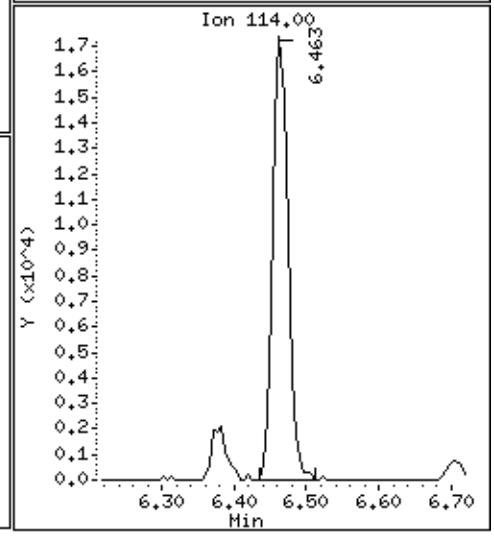
Review Code:











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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

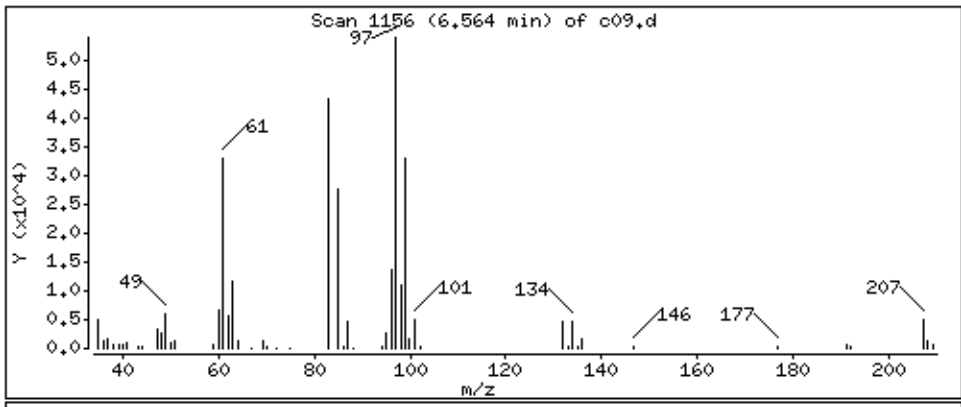
Column phase: DB-624

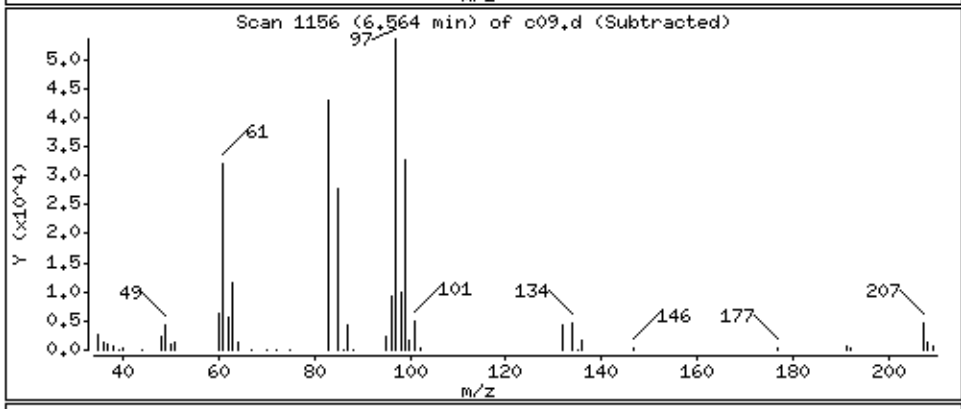
Column diameter: 0.18

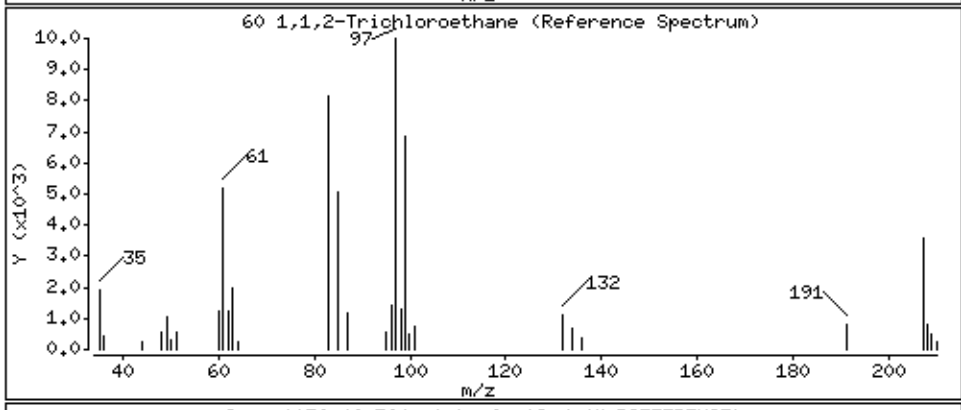
60 1,1,2-Trichloroethane

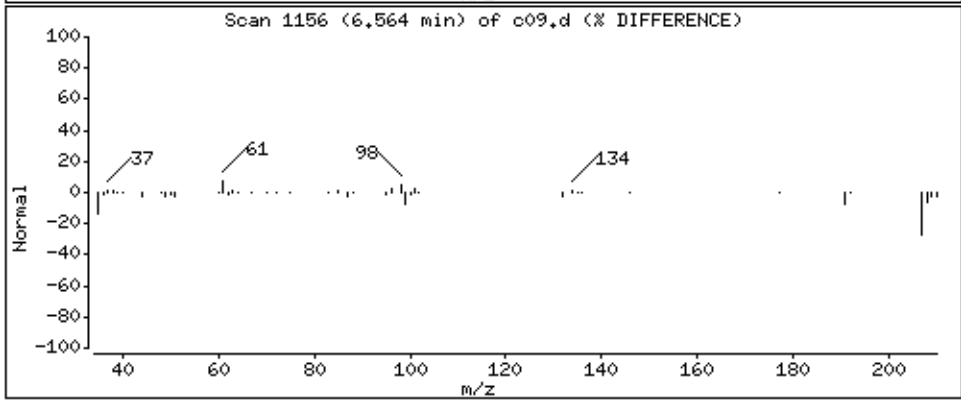
Concentration: 47.6 ppb

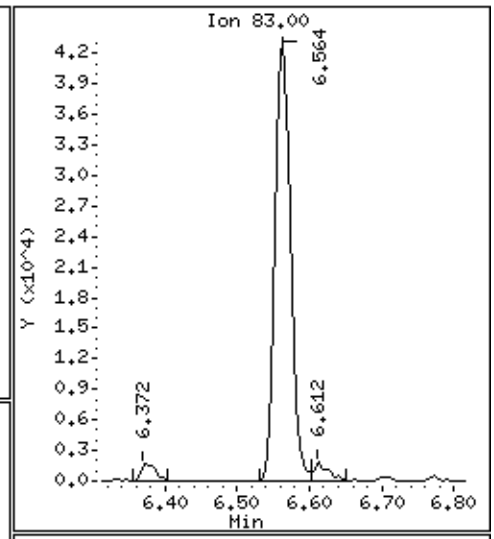
Review Code:

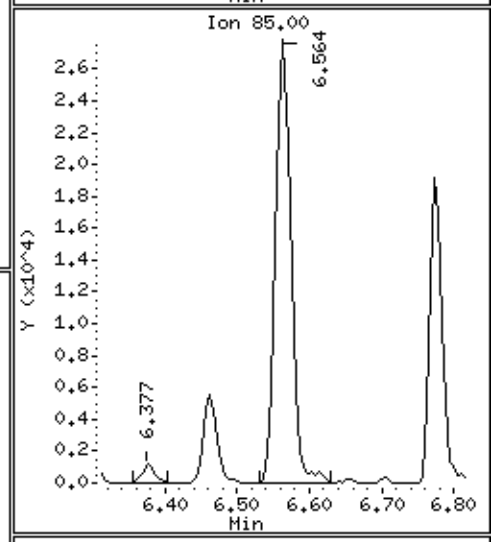


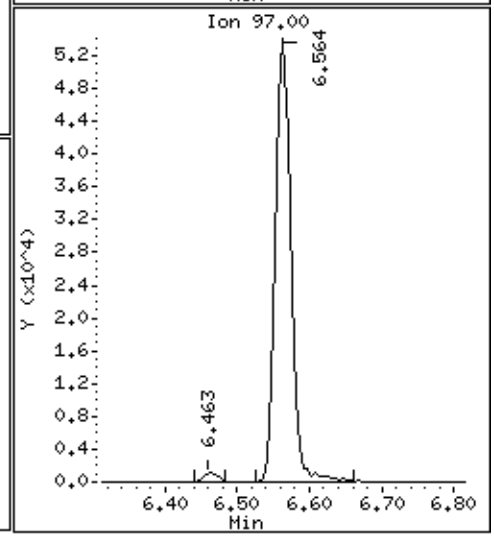












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

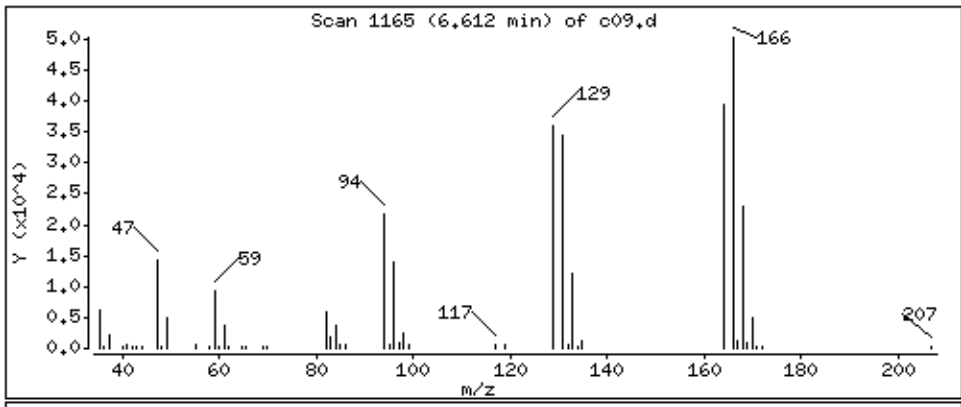
Column phase: DB-624

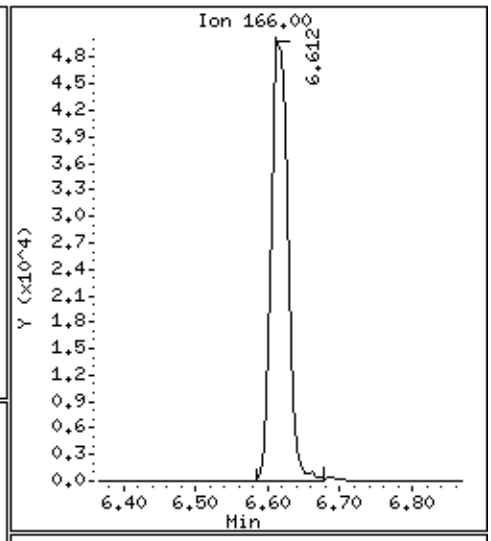
Column diameter: 0.18

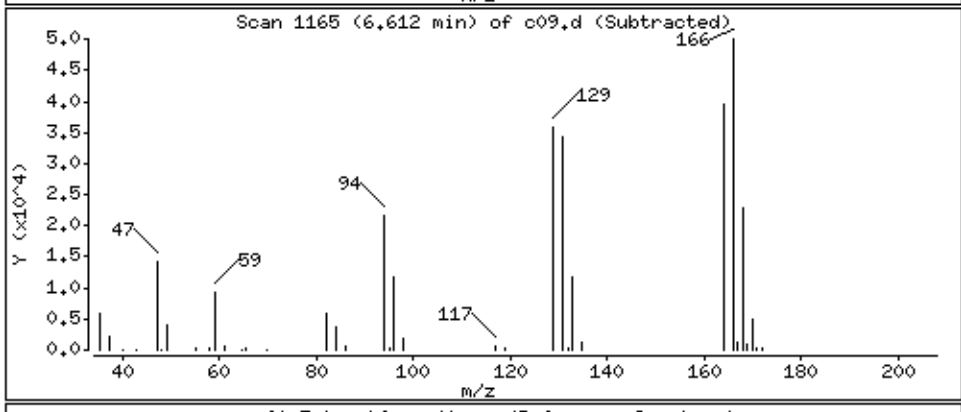
61 Tetrachloroethene

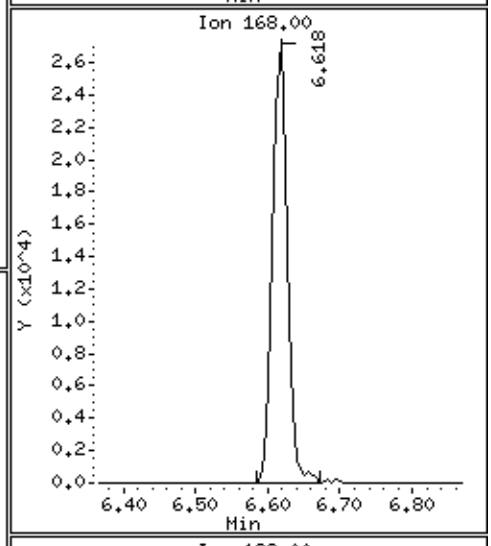
Concentration: 31.0 ppb

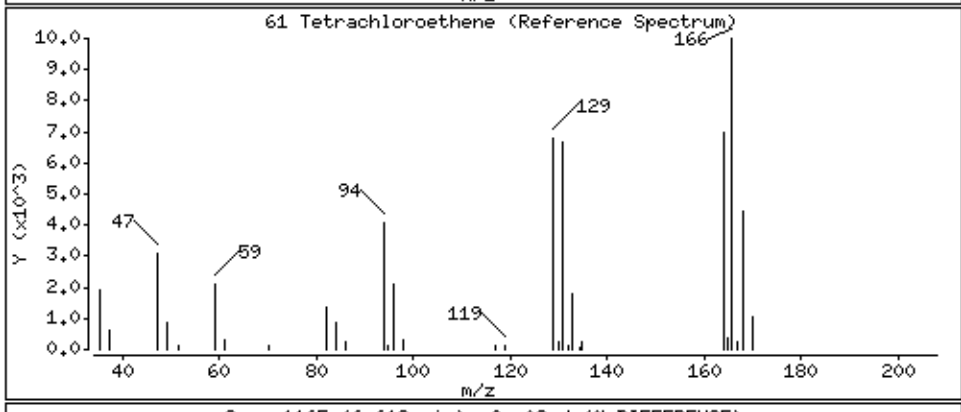
Review Code:

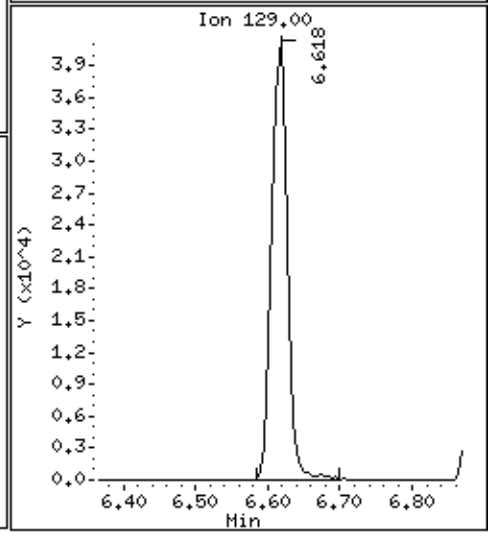


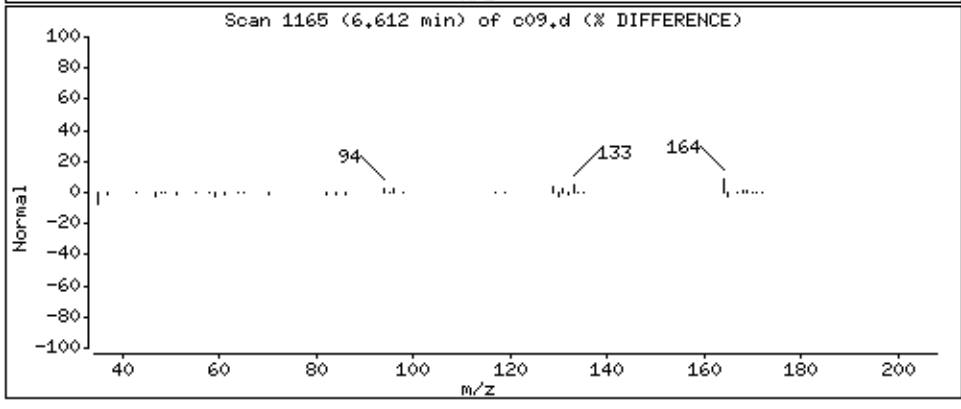












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

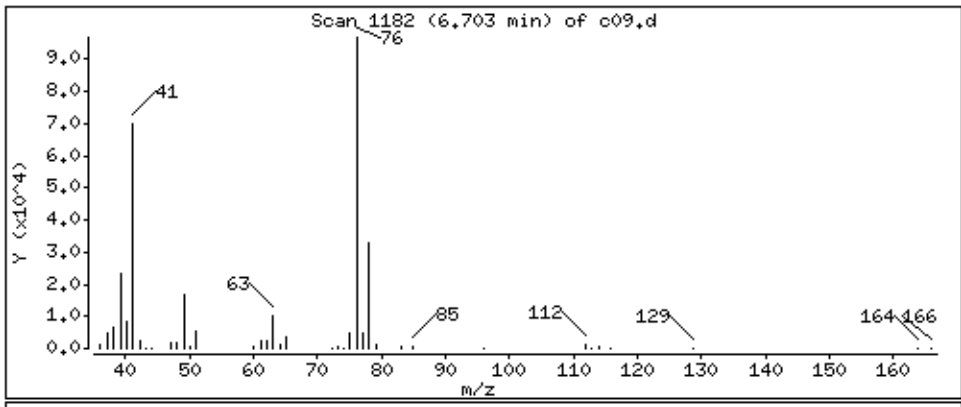
Column phase: DB-624

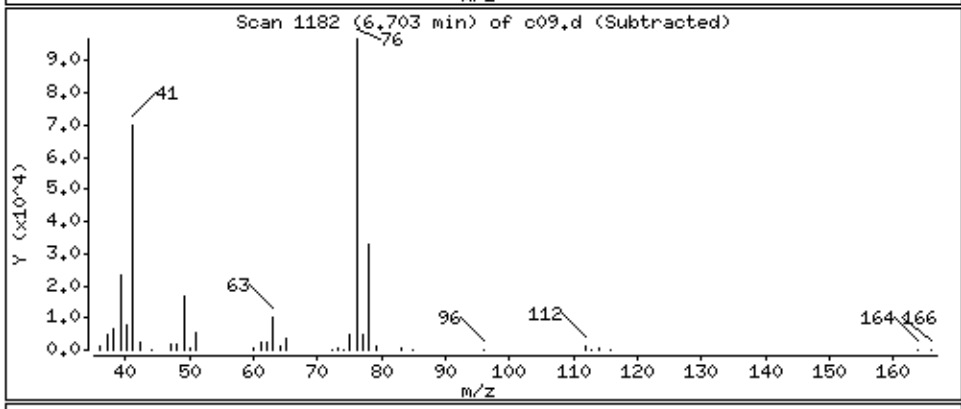
Column diameter: 0.18

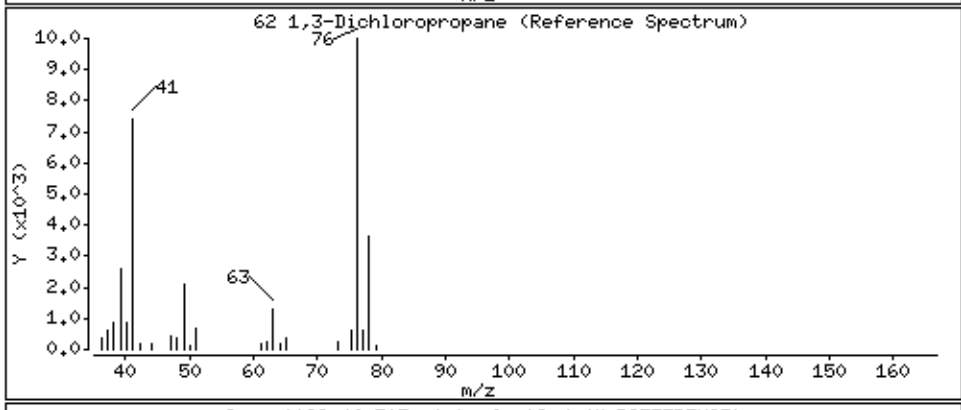
62 1,3-Dichloropropane

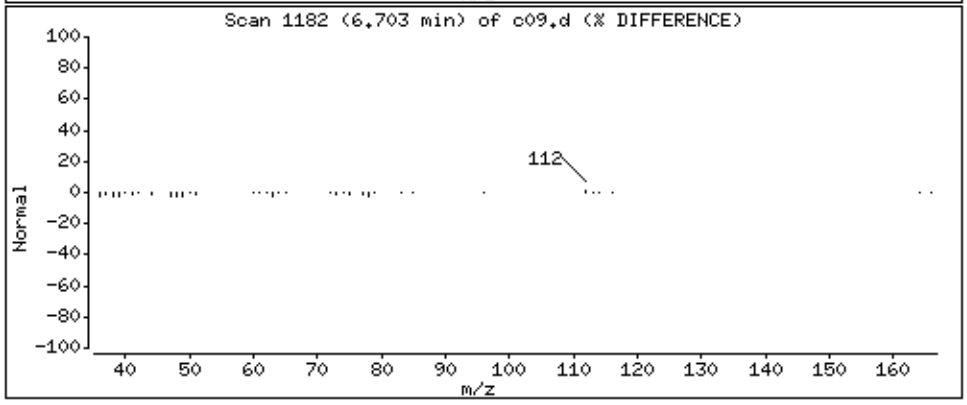
Concentration: 49.4 ppb

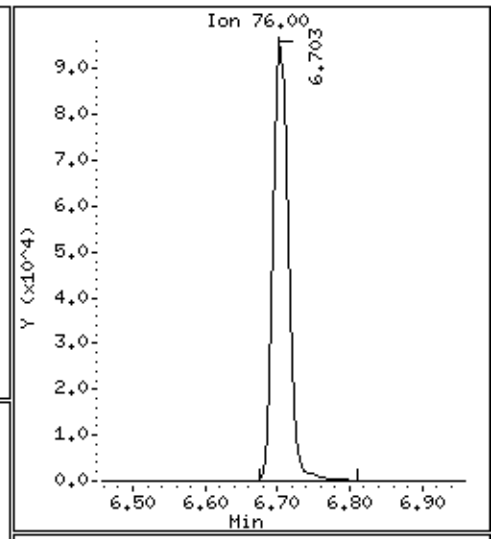
Review Code:

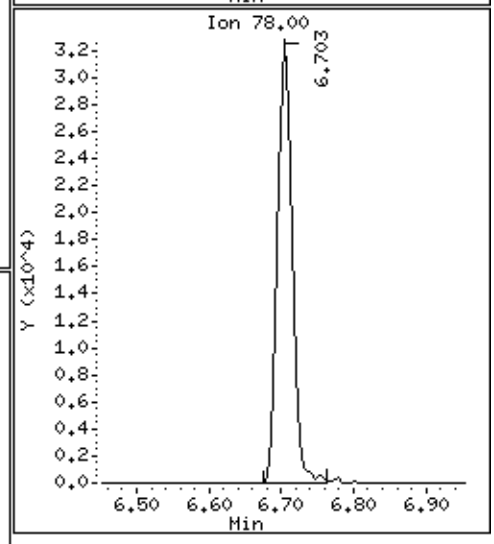












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

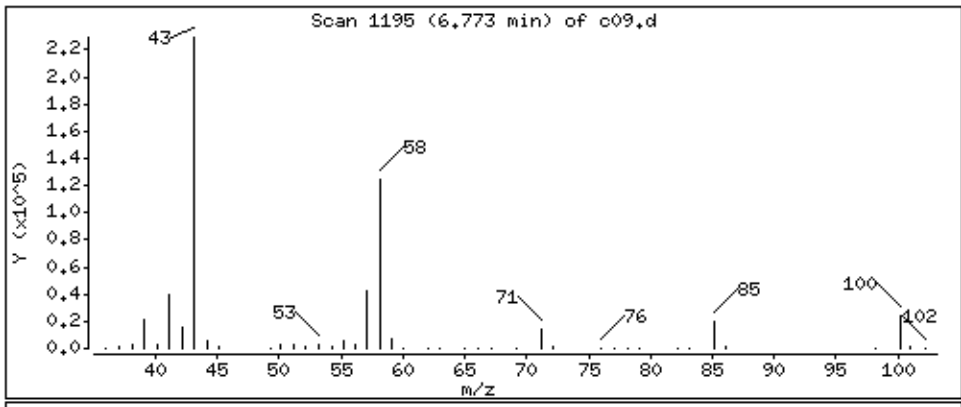
Column phase: DB-624

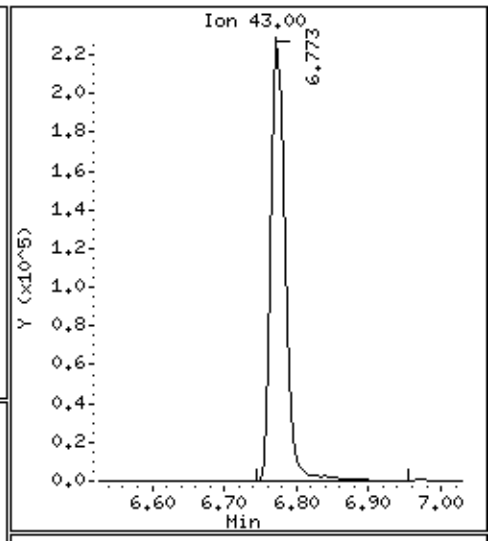
Column diameter: 0.18

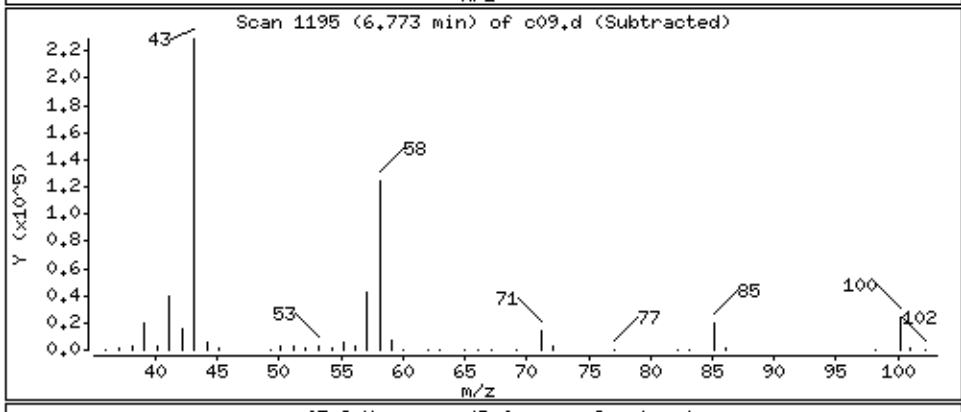
63 2-Hexanone

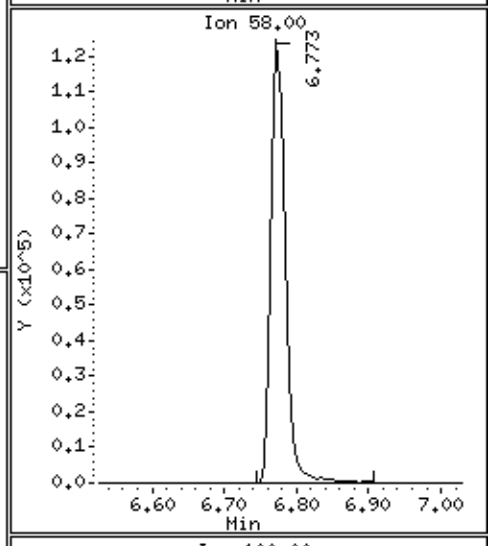
Concentration: 306 ppb

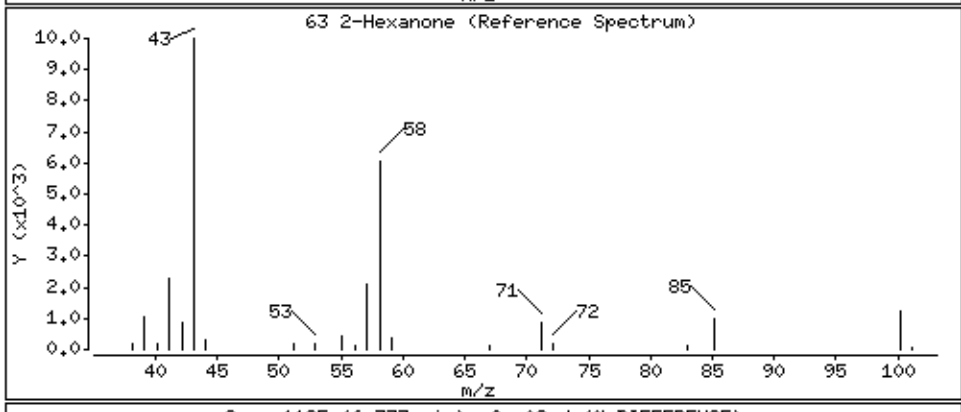
Review Code:

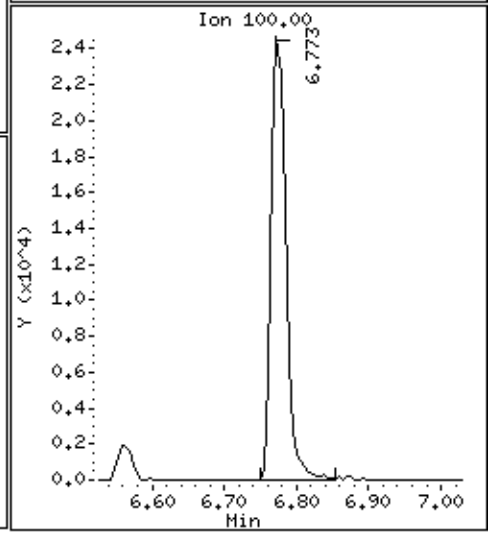


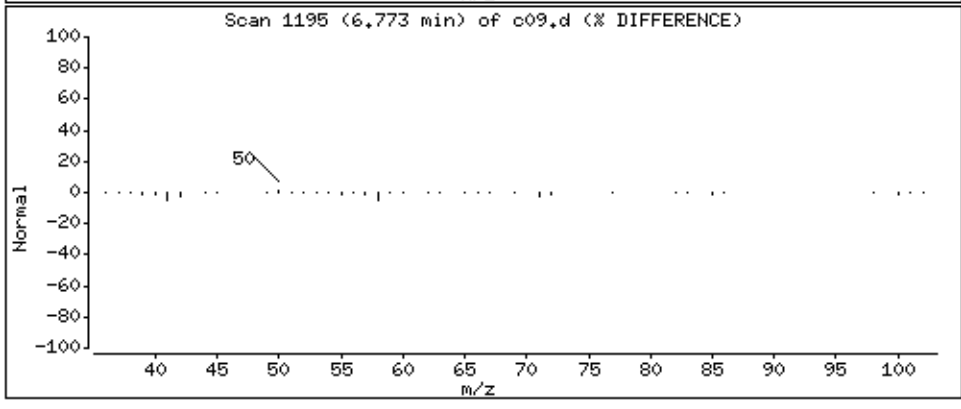












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

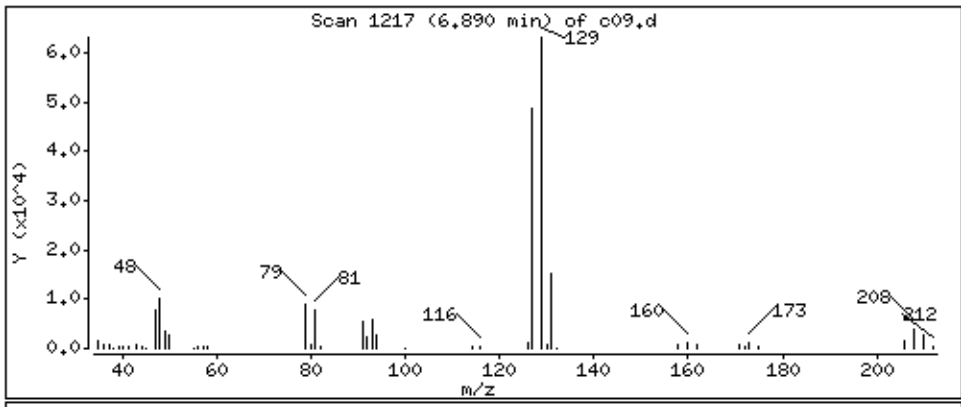
Column phase: DB-624

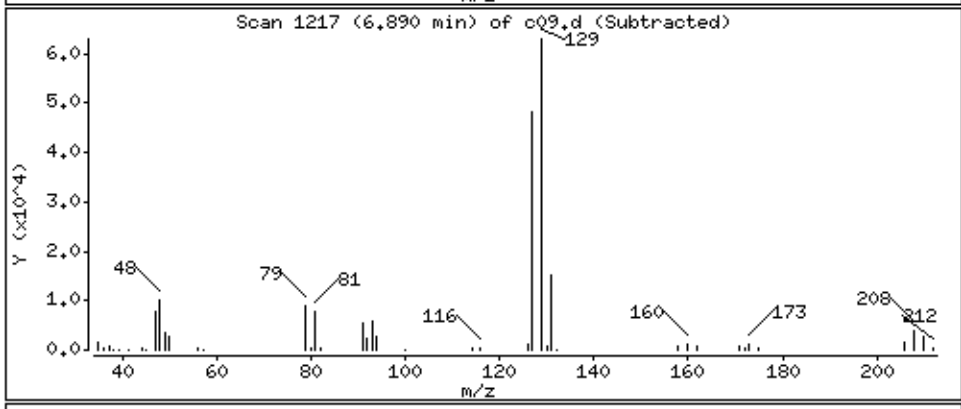
Column diameter: 0.18

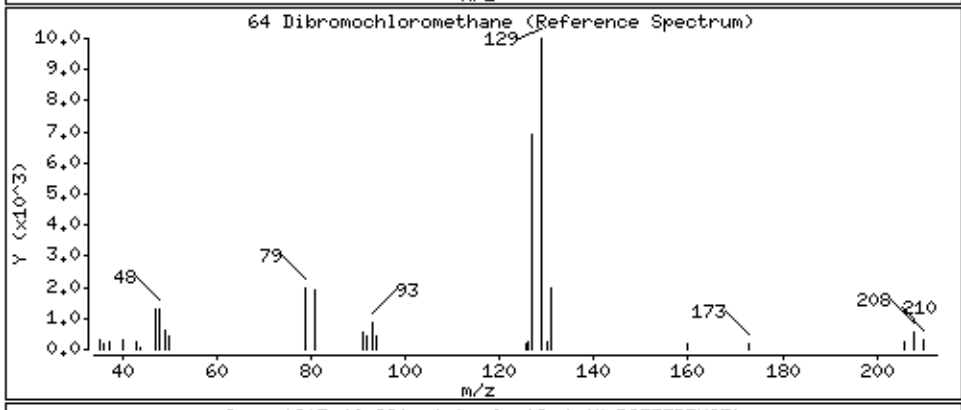
64 Dibromochloromethane

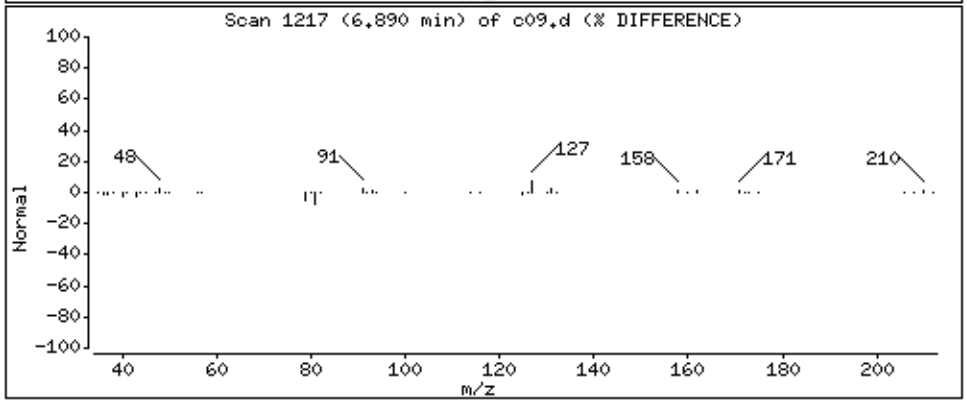
Concentration: 46.1 ppb

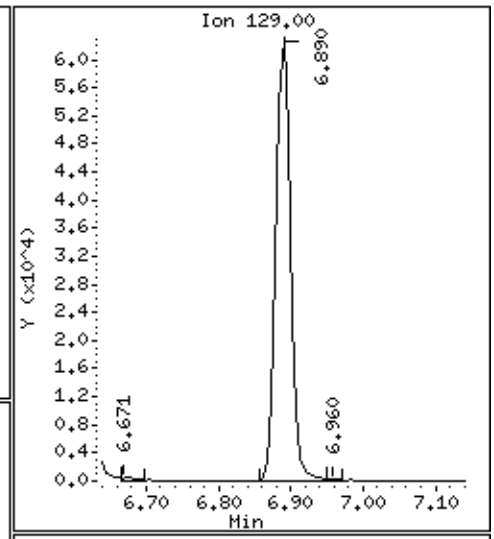
Review Code:

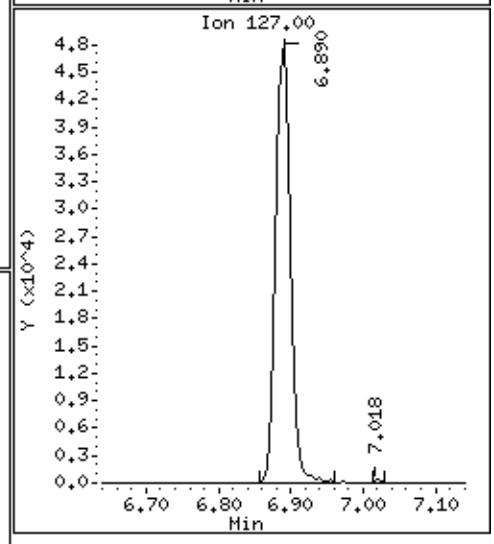












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

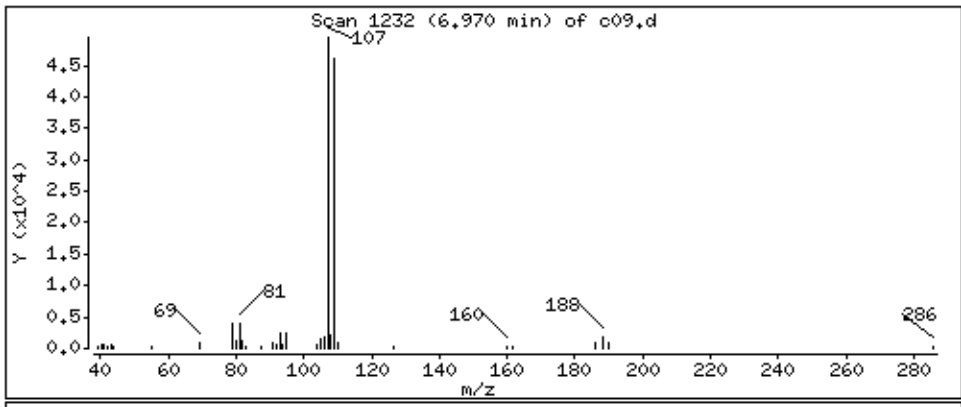
Column phase: DB-624

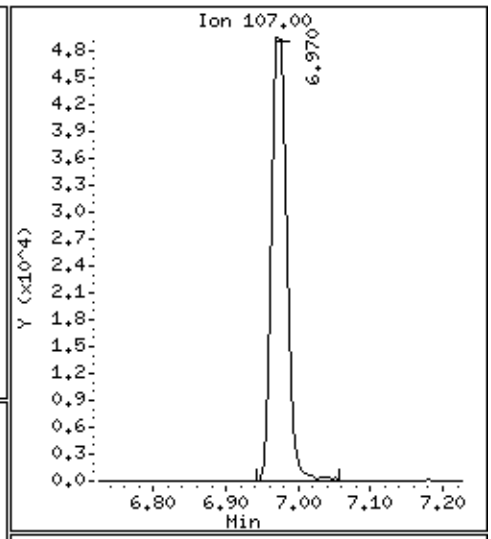
Column diameter: 0.18

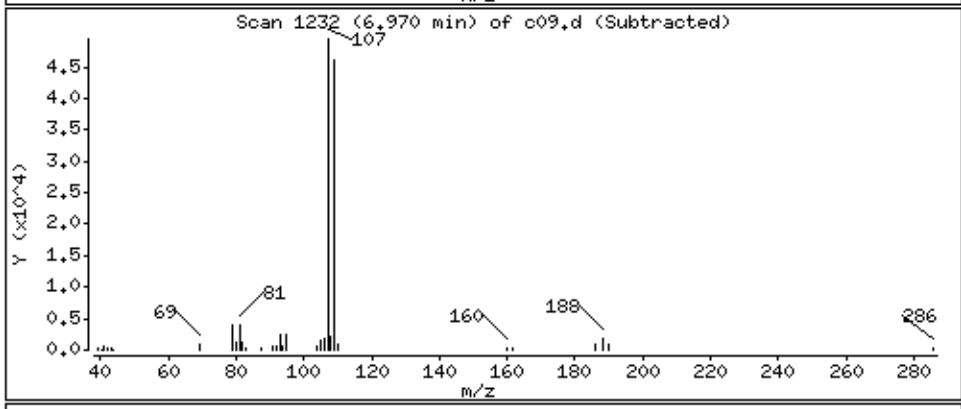
65 1,2-Dibromoethane

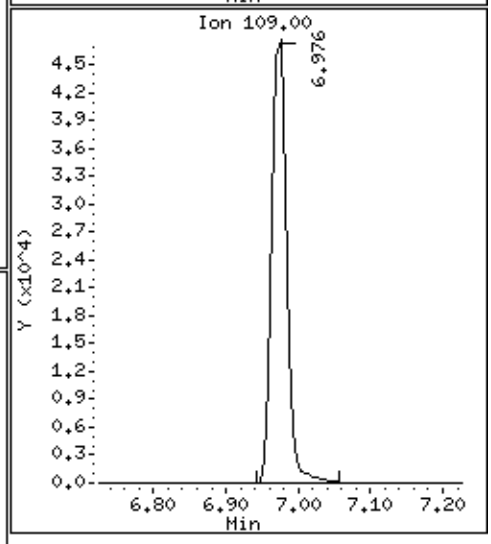
Concentration: 49.6 ppb

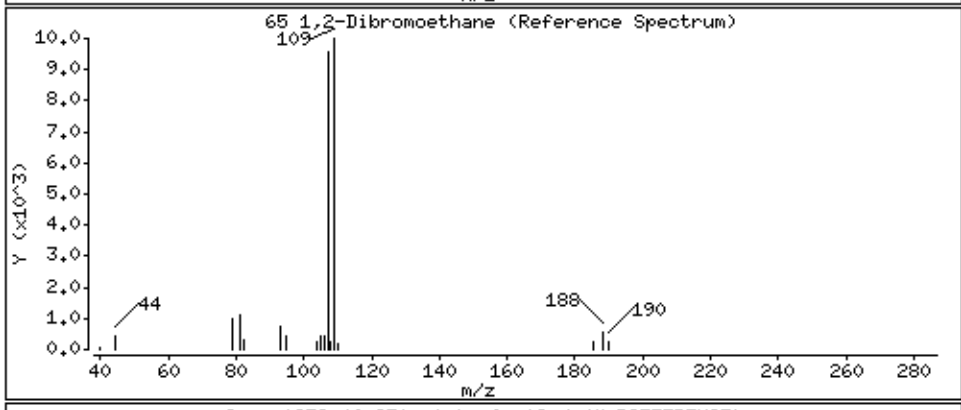
Review Code:

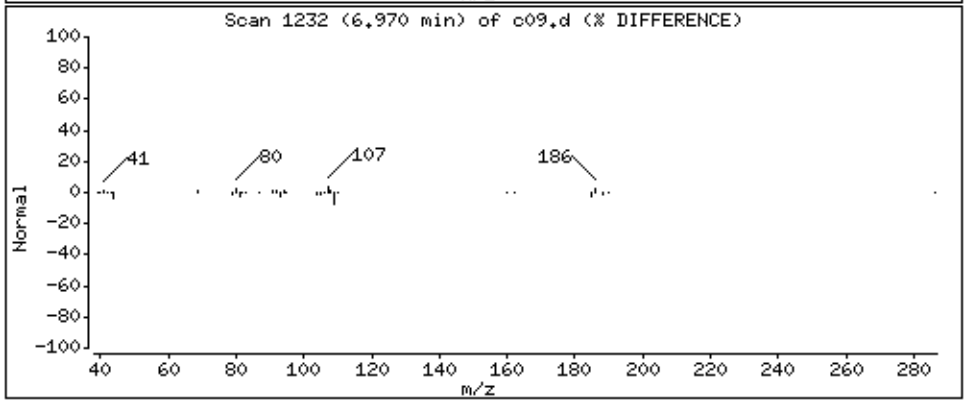












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

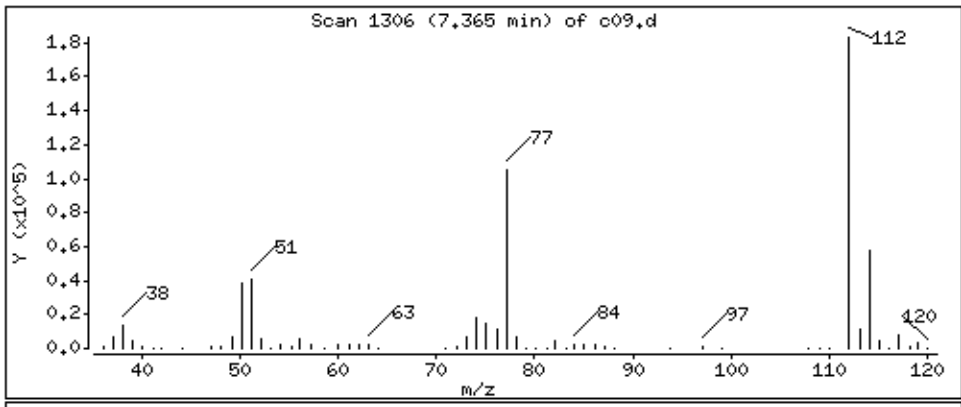
Column phase: DB-624

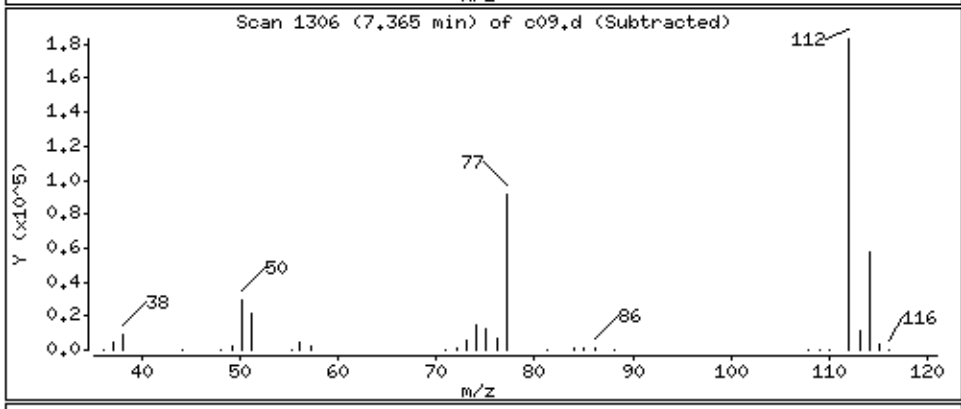
Column diameter: 0.18

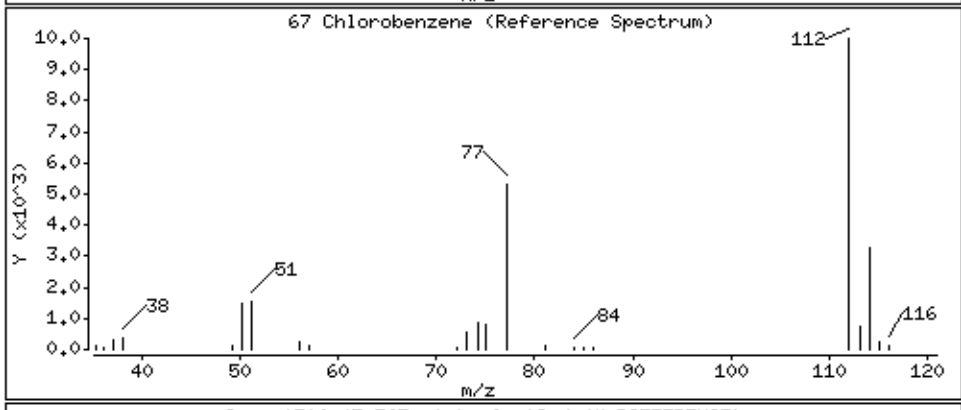
67 Chlorobenzene

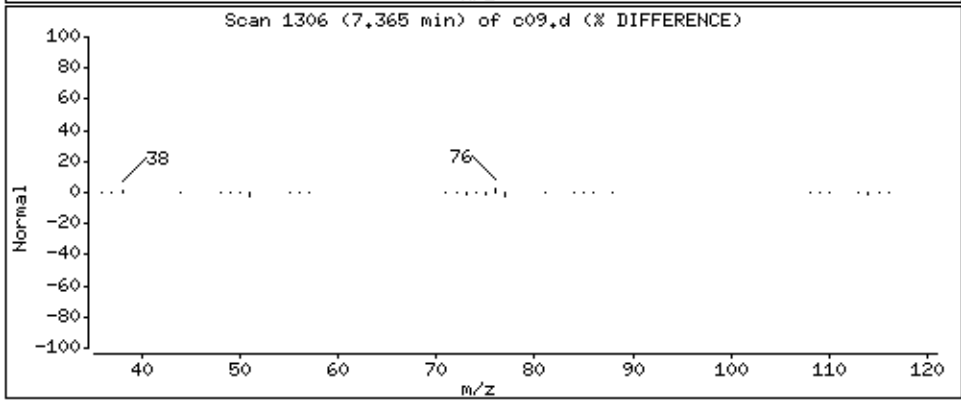
Concentration: 35.3 ppb

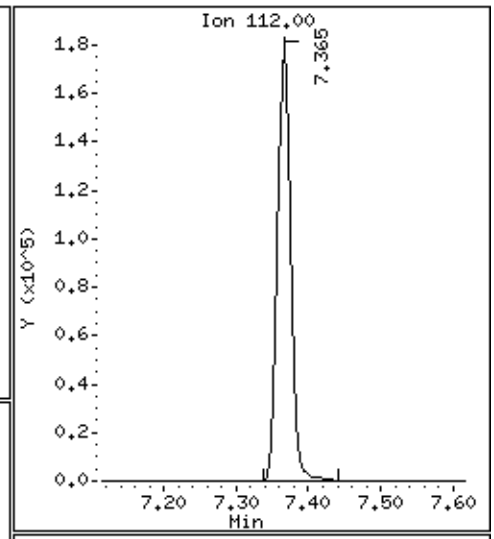
Review Code:

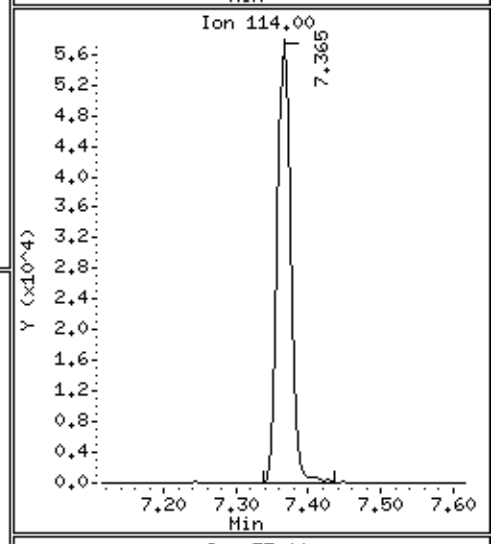


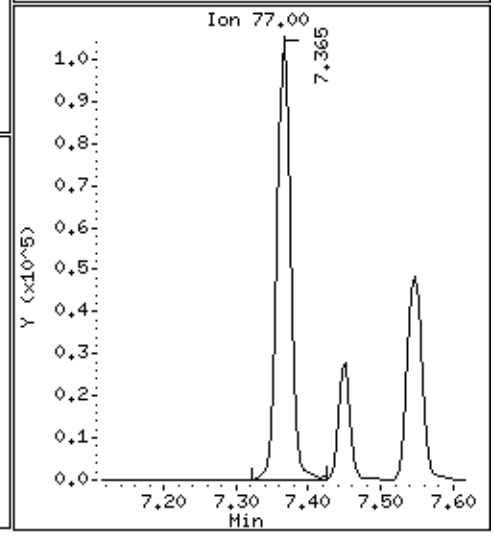












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

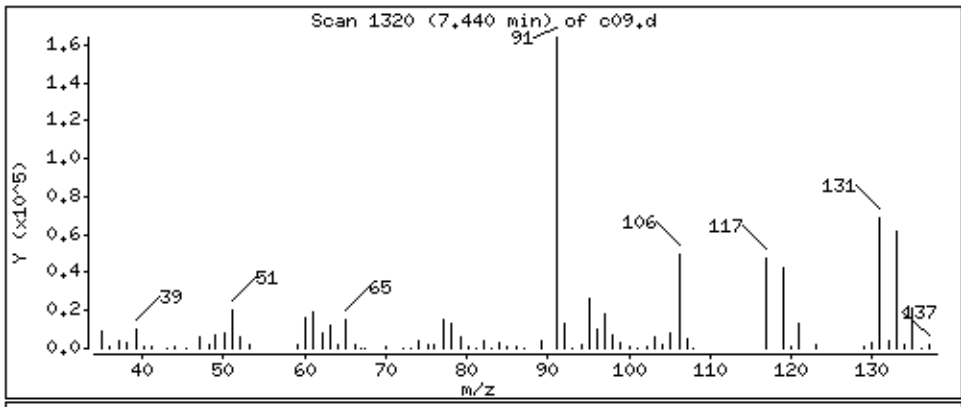
Column phase: DB-624

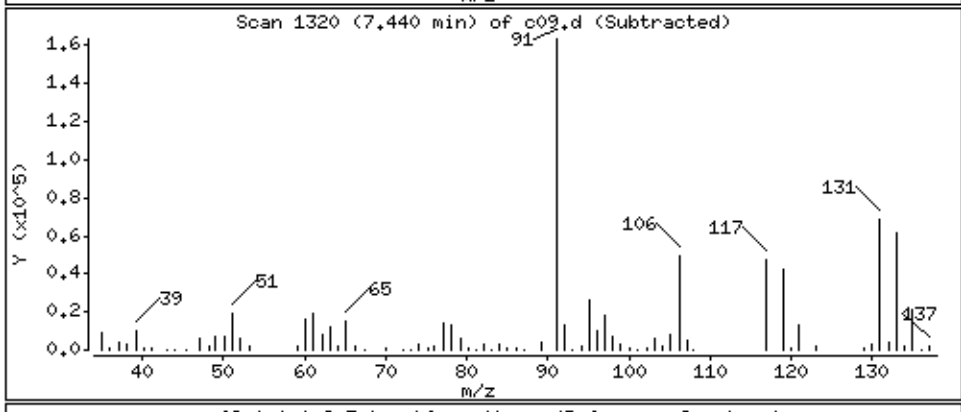
Column diameter: 0.18

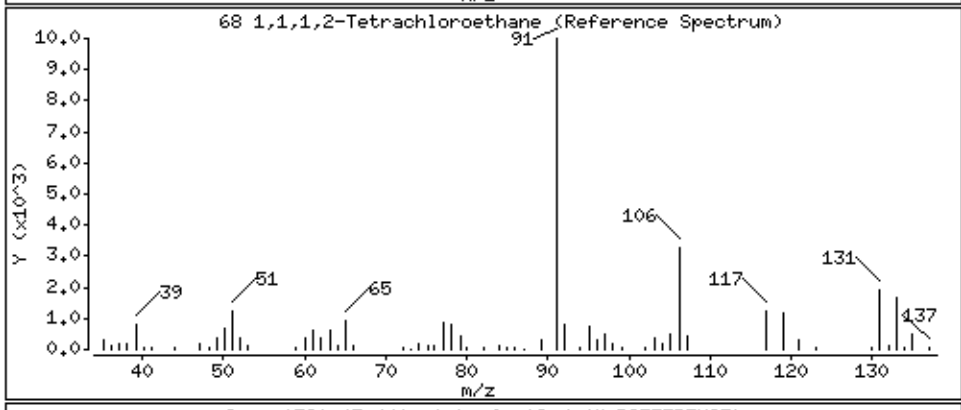
68 1,1,1,2-Tetrachloroethane

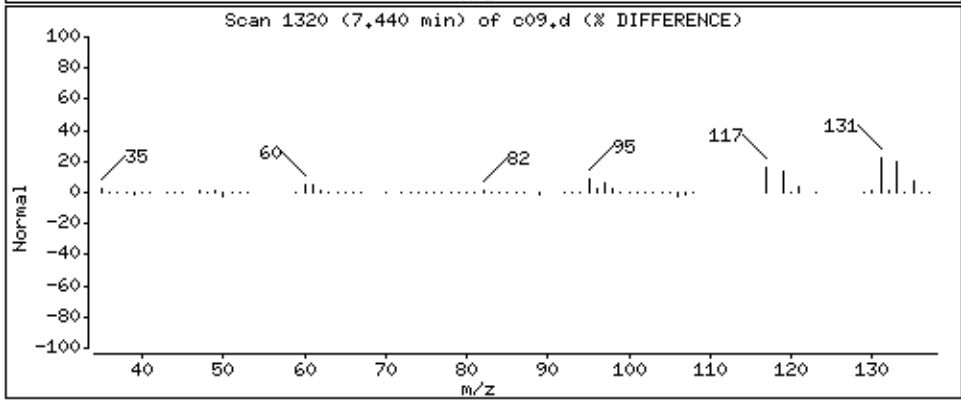
Concentration: 43.8 ppb

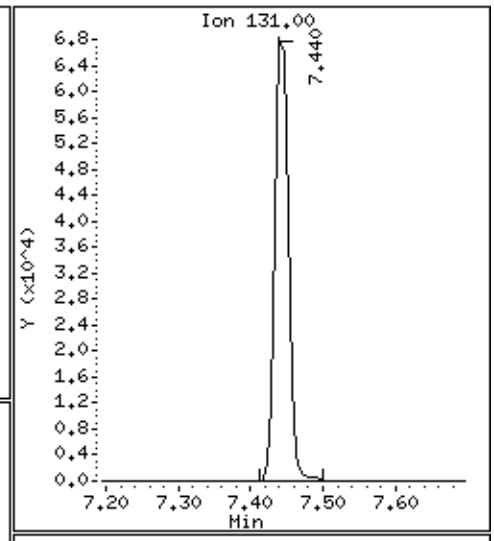
Review Code:

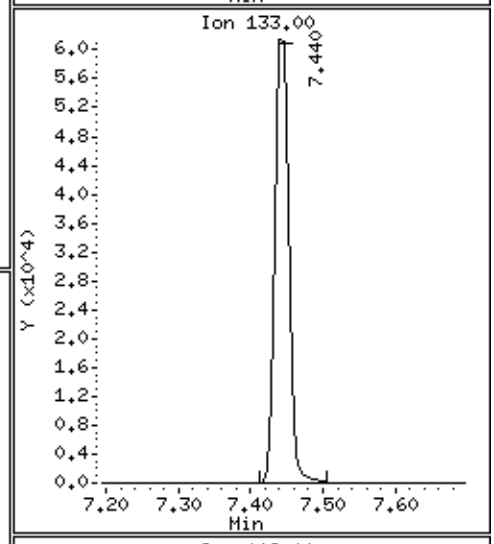


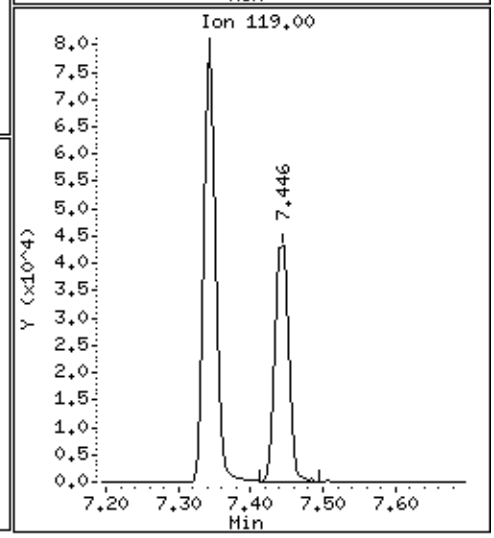












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

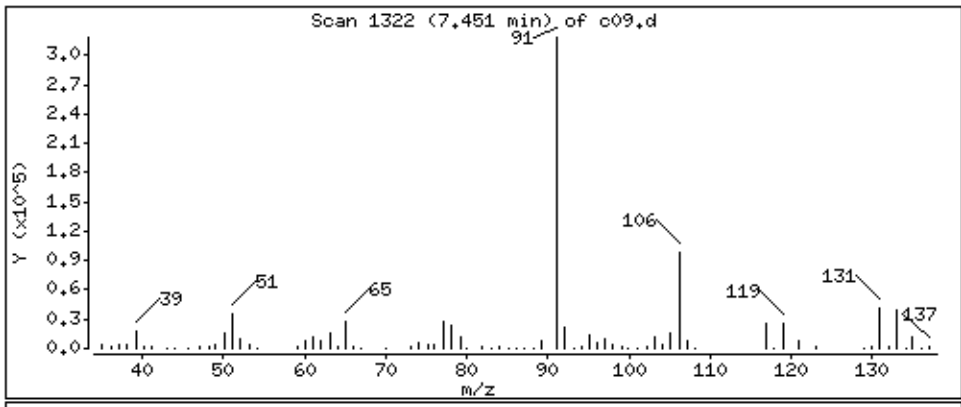
Column phase: DB-624

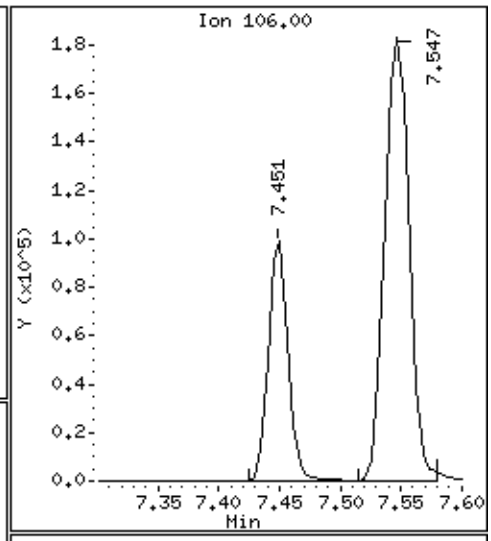
Column diameter: 0.18

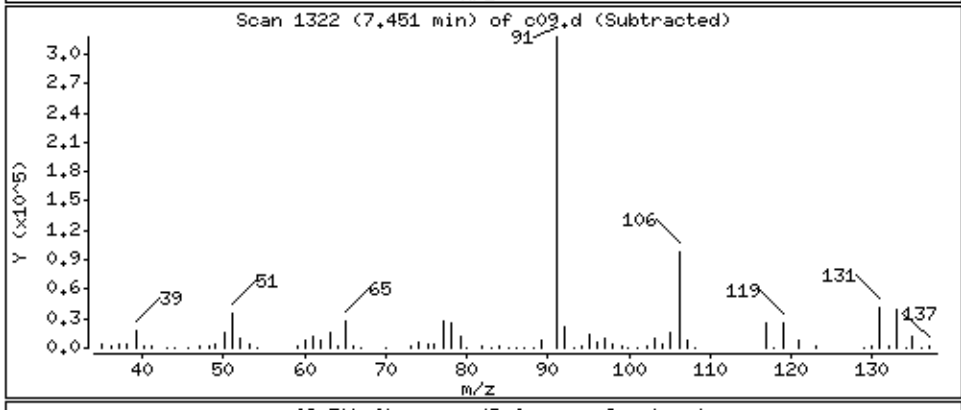
69 Ethylbenzene

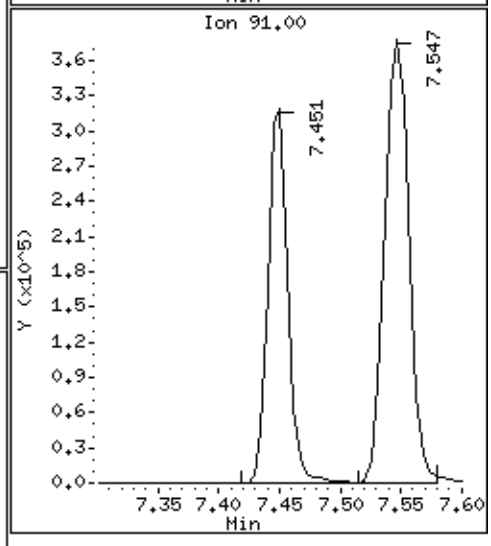
Concentration: 34.8 ppb

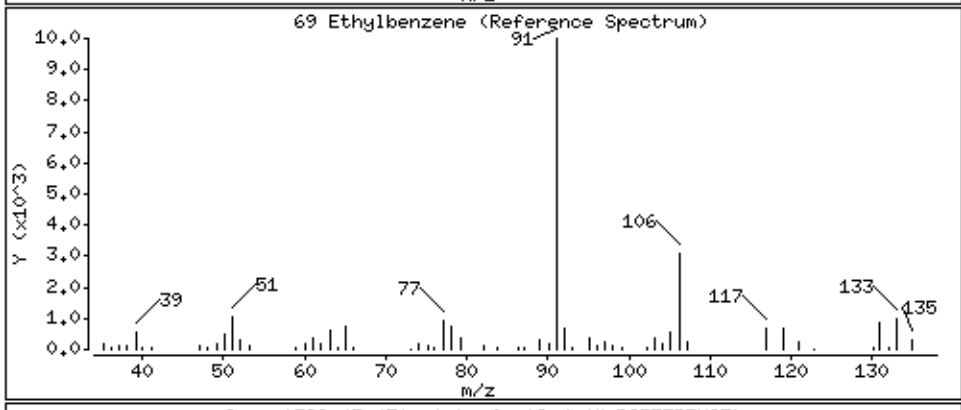
Review Code:

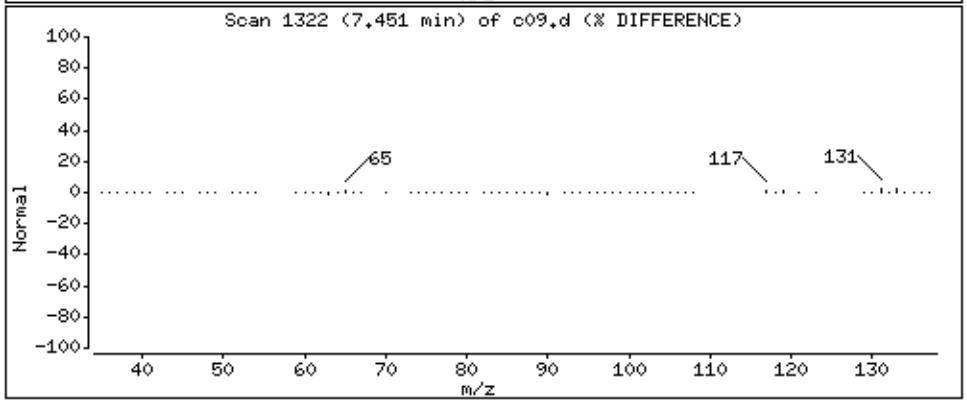












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

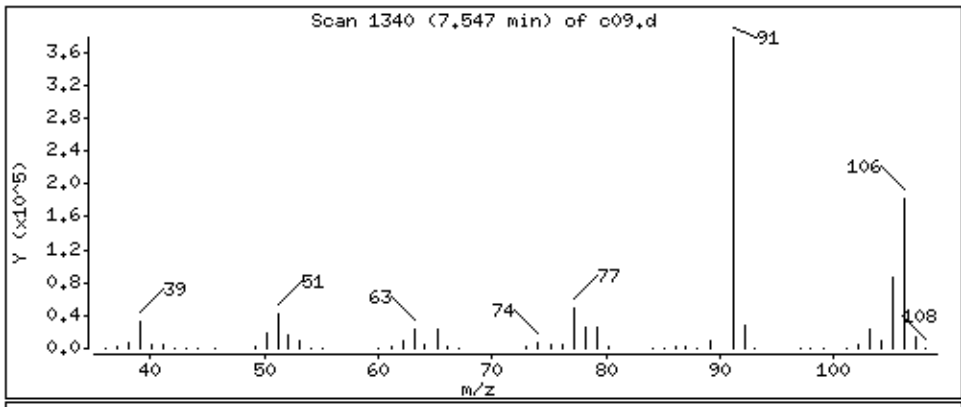
Column phase: DB-624

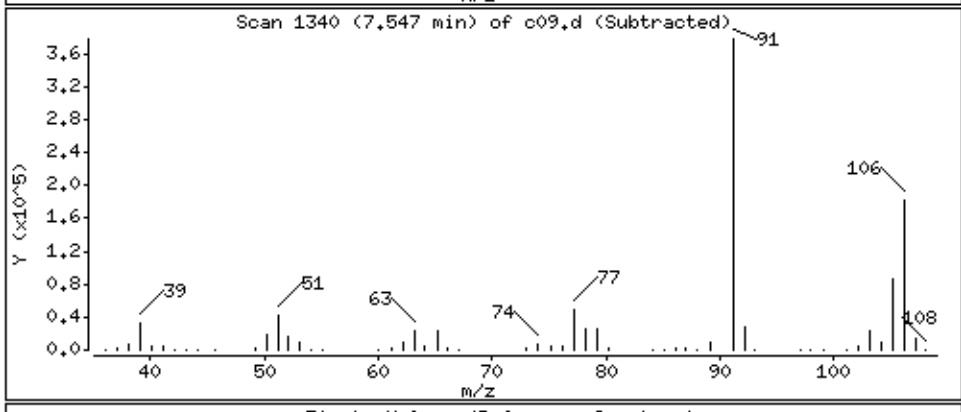
Column diameter: 0.18

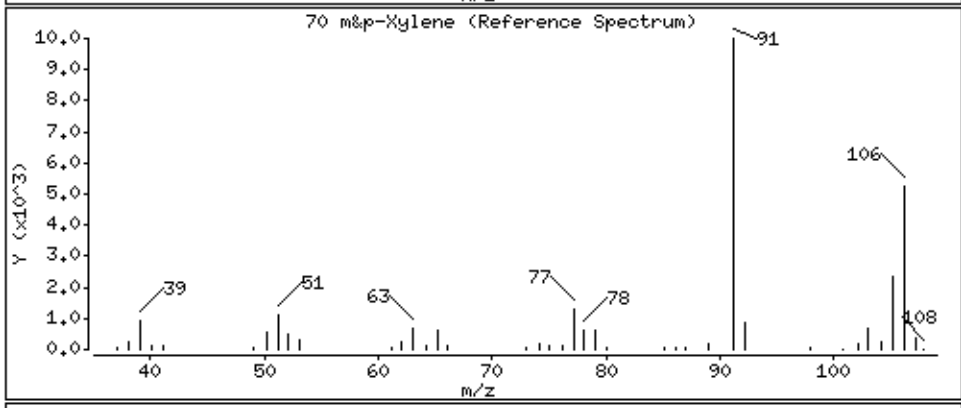
70 m&p-Xylene

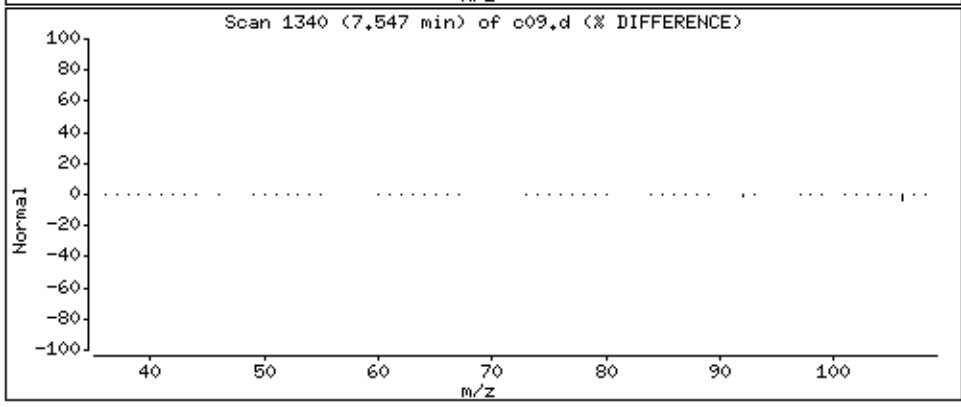
Concentration: 66.6 ppb

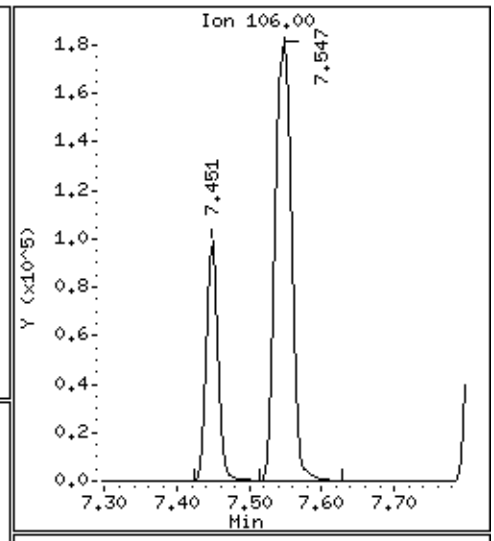
Review Code:

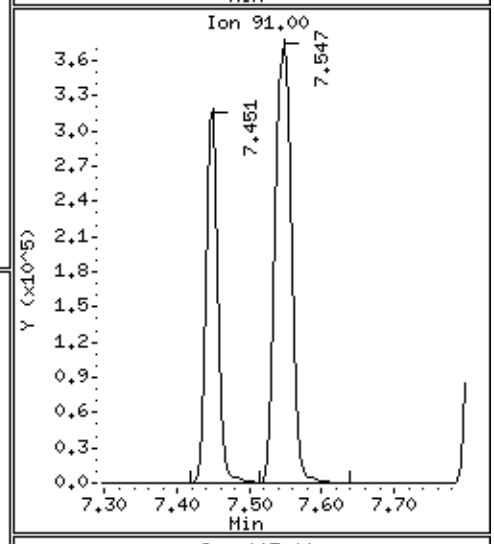


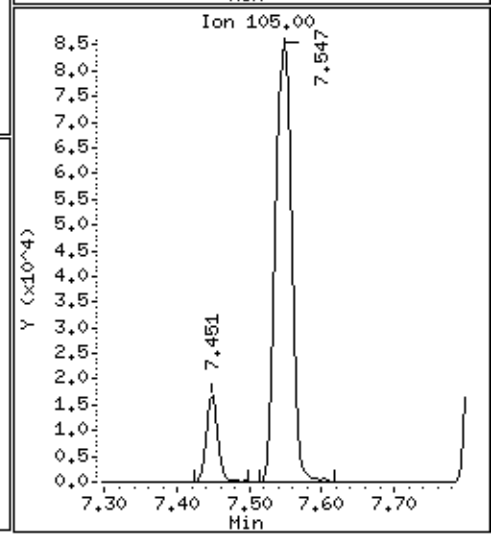












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

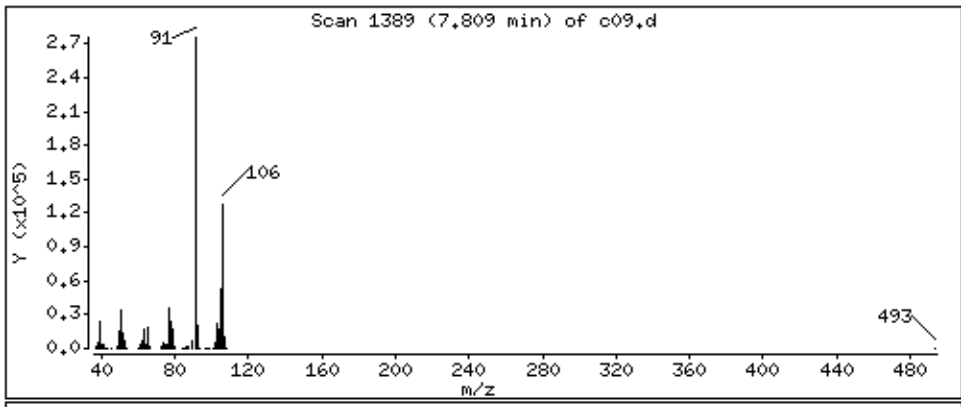
Column phase: DB-624

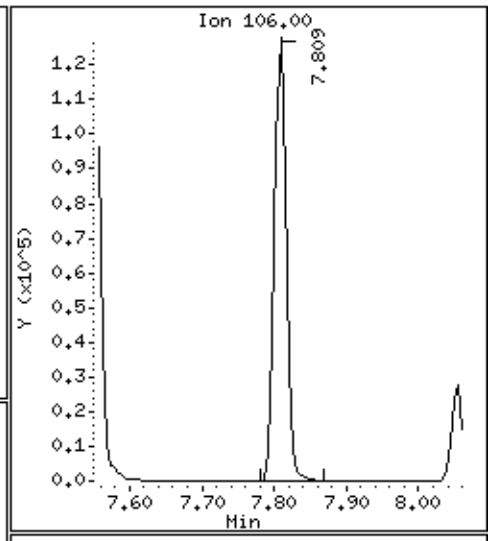
Column diameter: 0.18

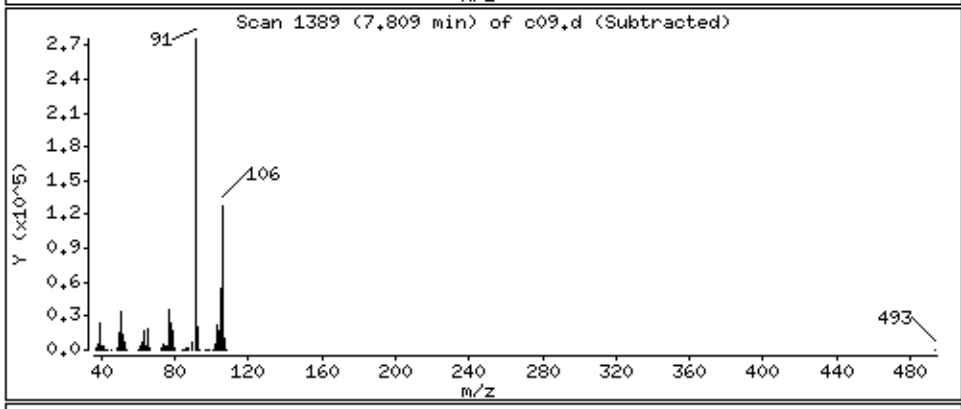
71 o-Xylene

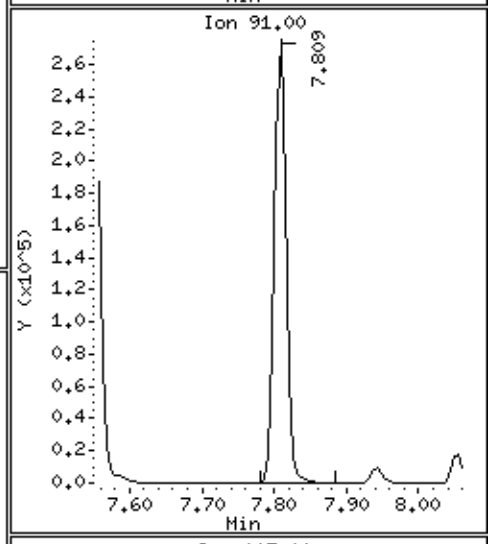
Concentration: 35.8 ppb

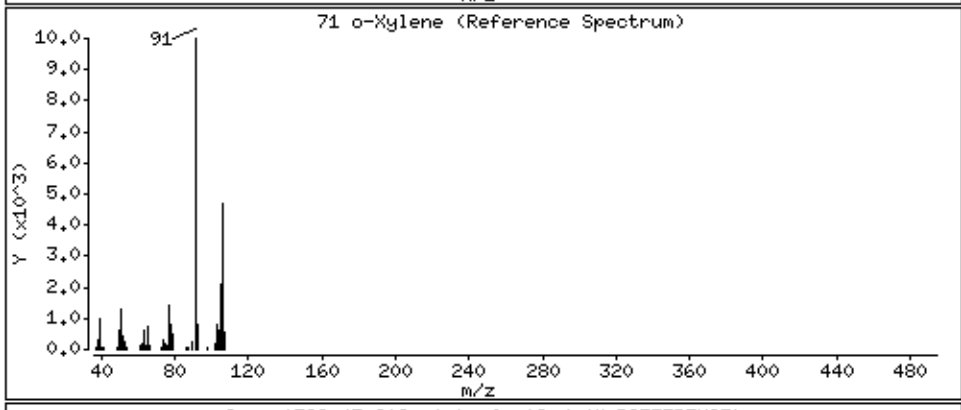
Review Code:

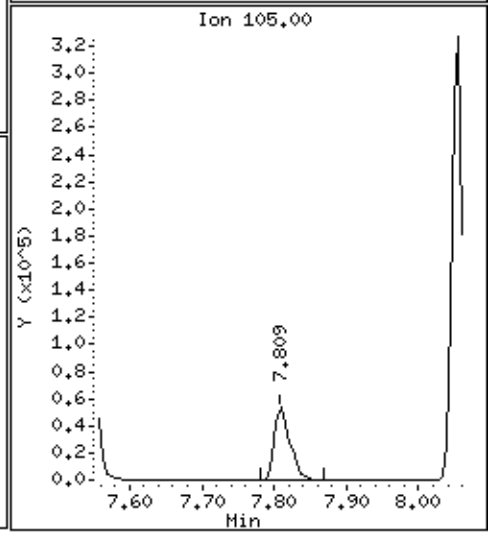


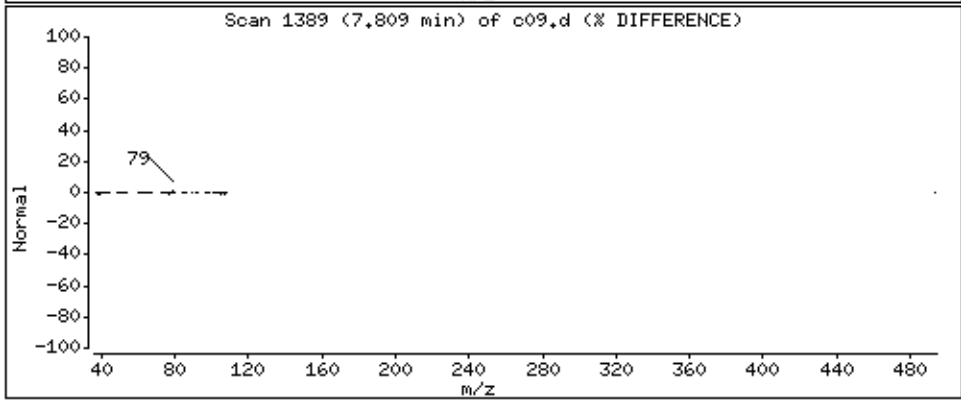












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

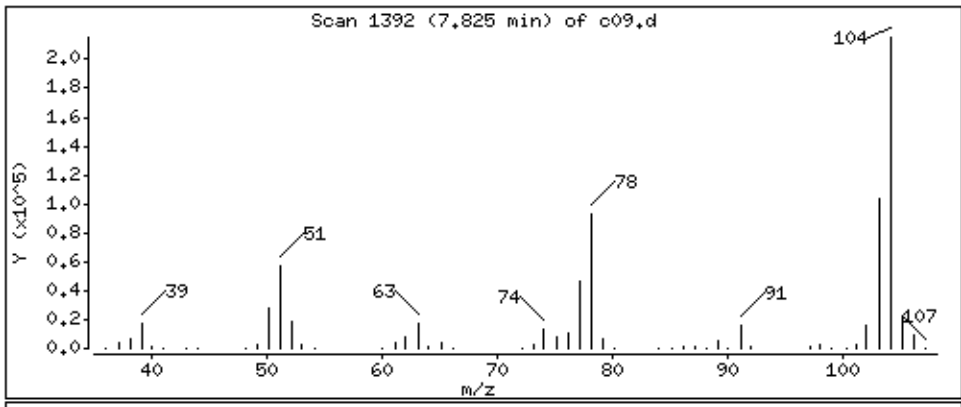
Column phase: DB-624

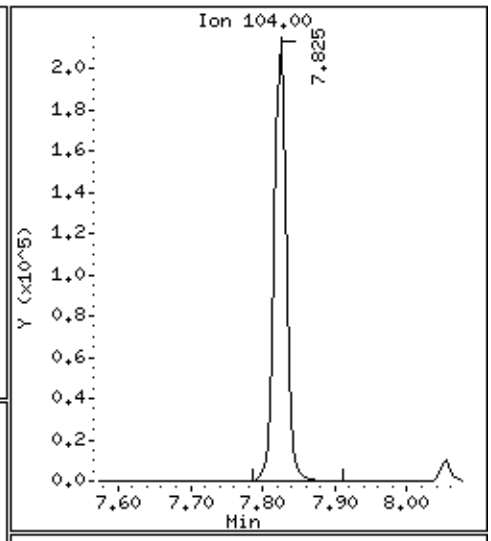
Column diameter: 0.18

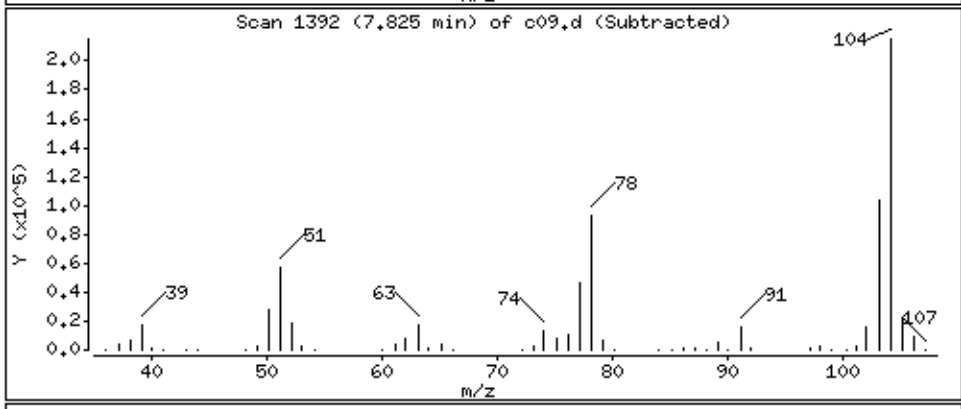
72 Styrene

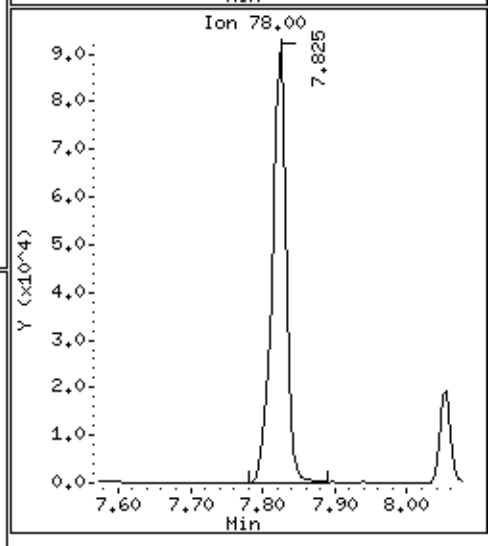
Concentration: 37.6 ppb

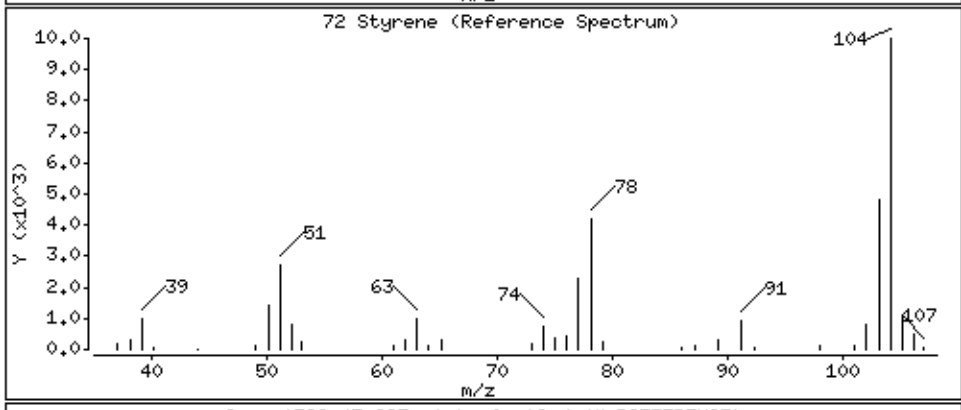
Review Code:

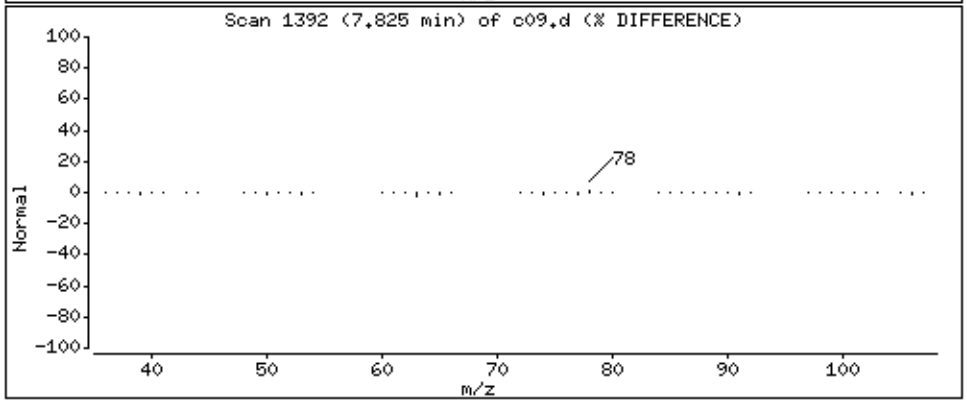












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

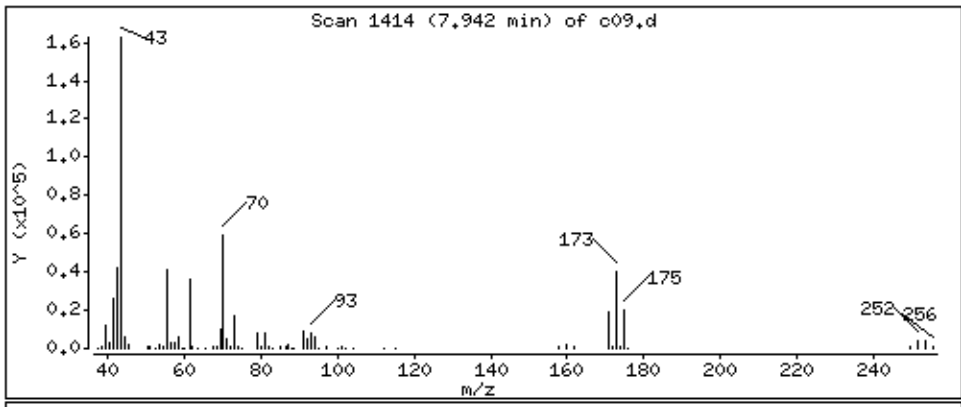
Column phase: DB-624

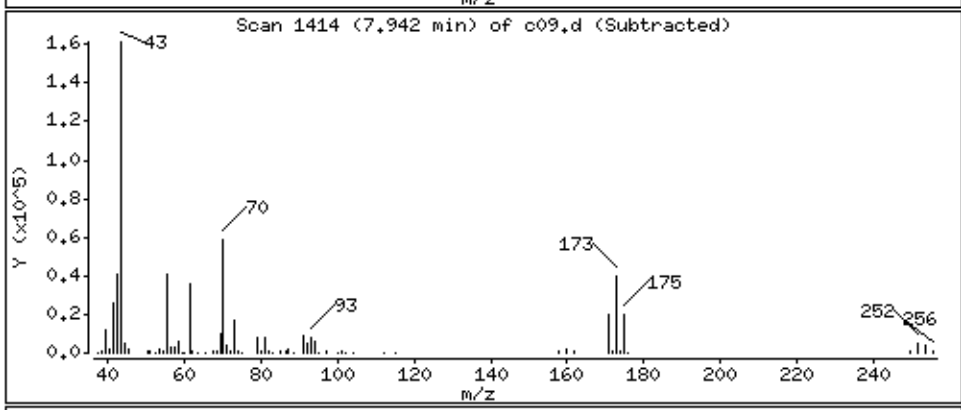
Column diameter: 0.18

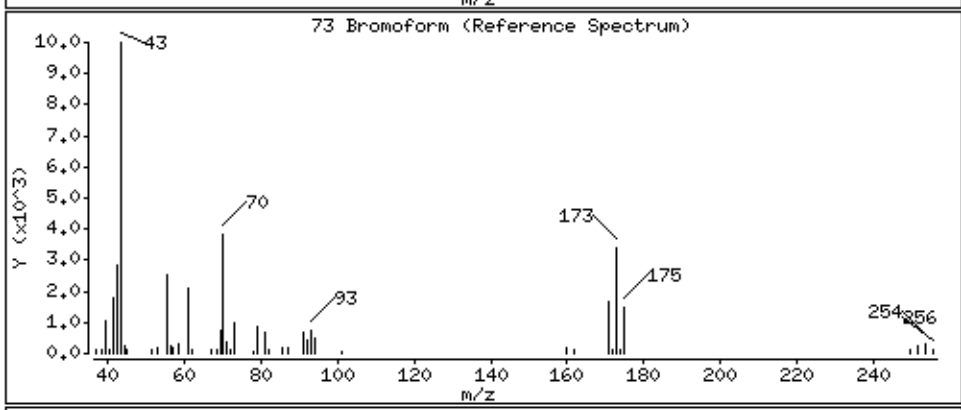
73 Bromoform

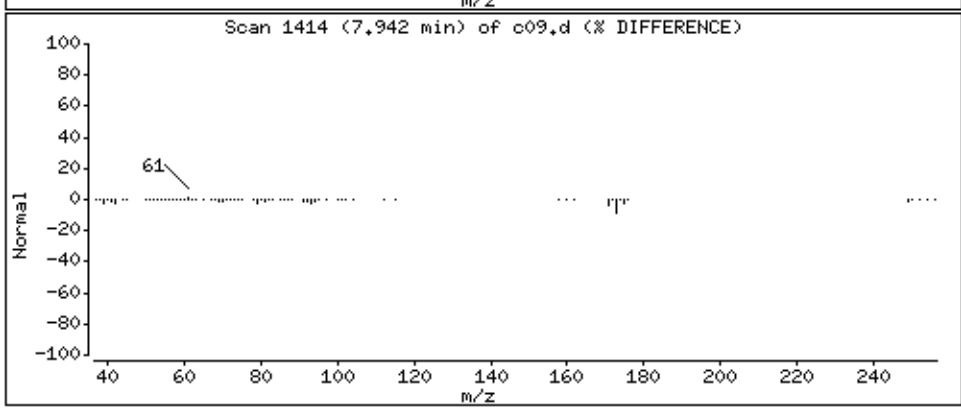
Concentration: 47.6 ppb

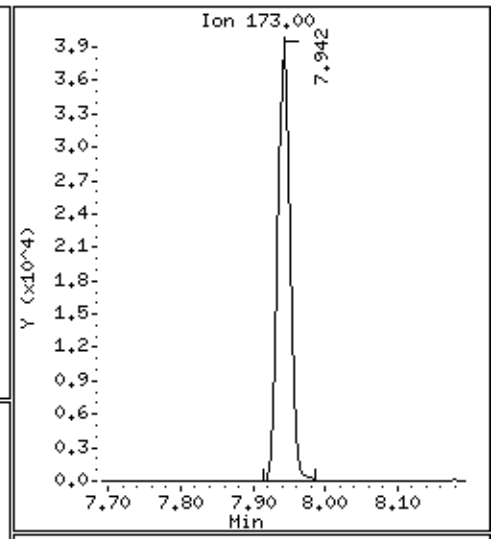
Review Code:

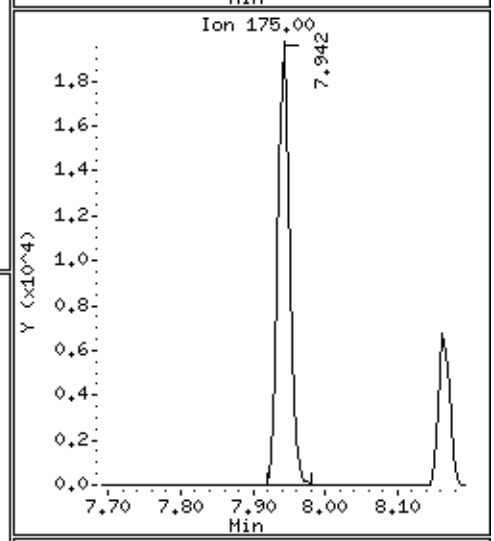


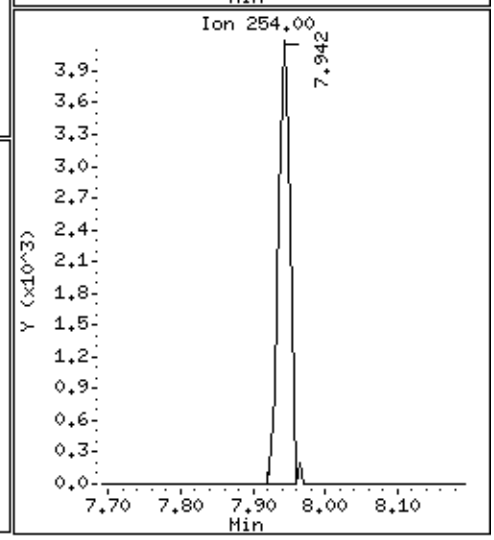












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

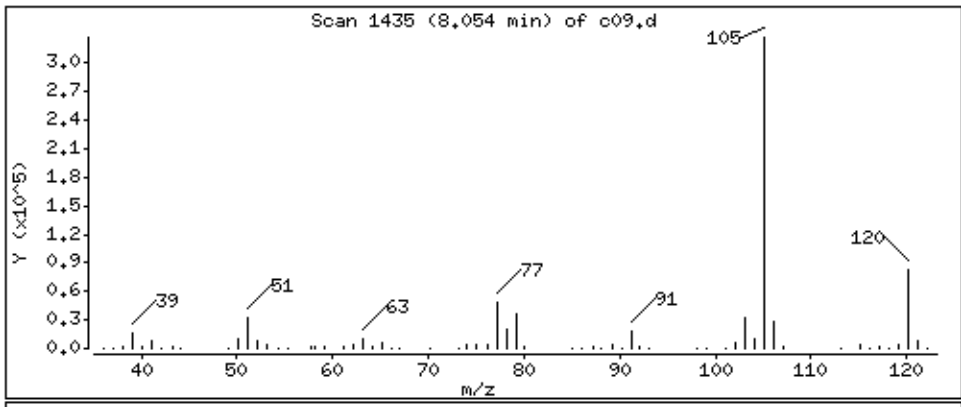
Column phase: DB-624

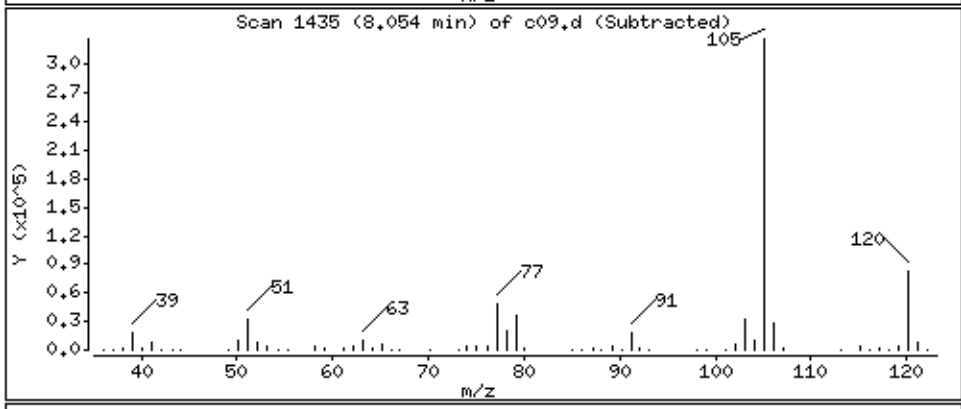
Column diameter: 0.18

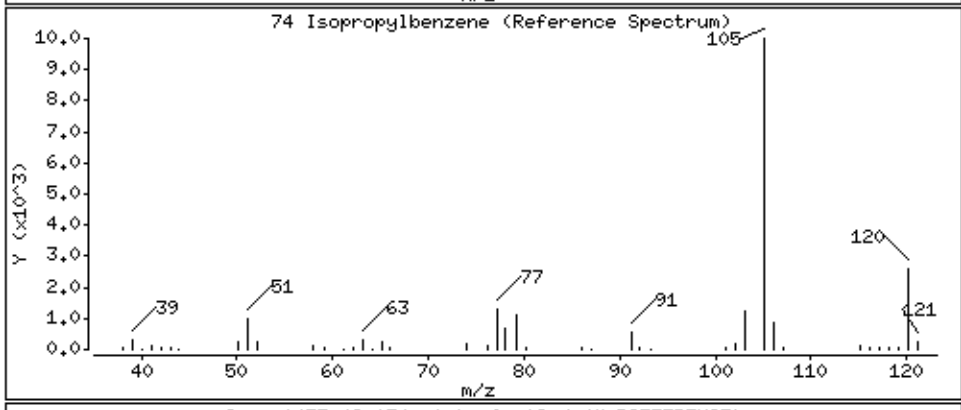
74 Isopropylbenzene

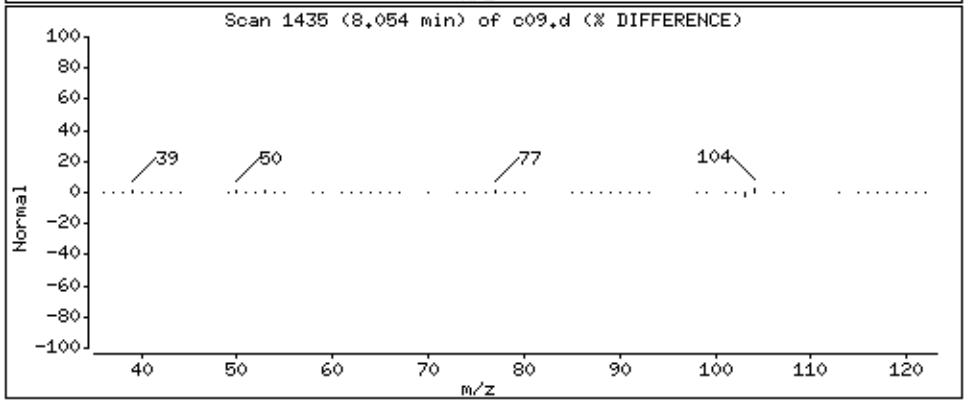
Concentration: 32.2 ppb

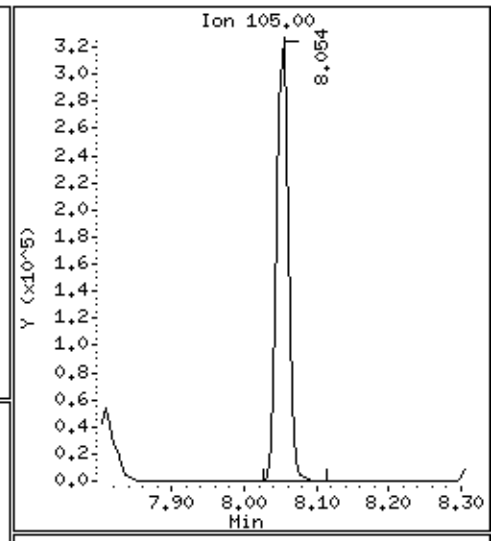
Review Code:

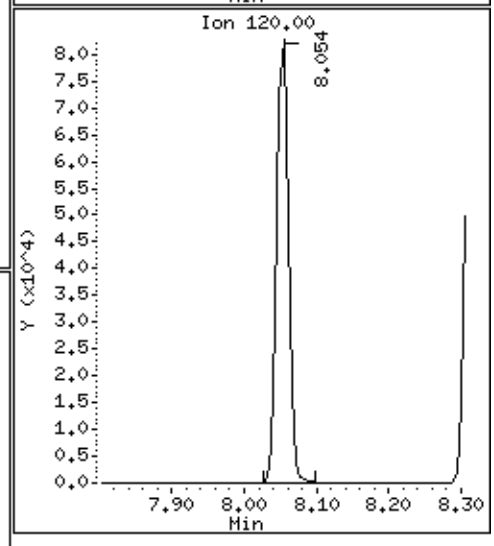












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

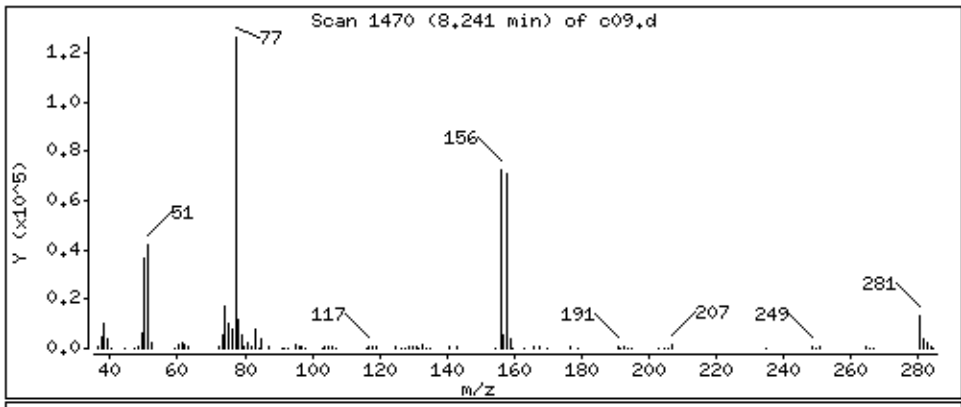
Column phase: DB-624

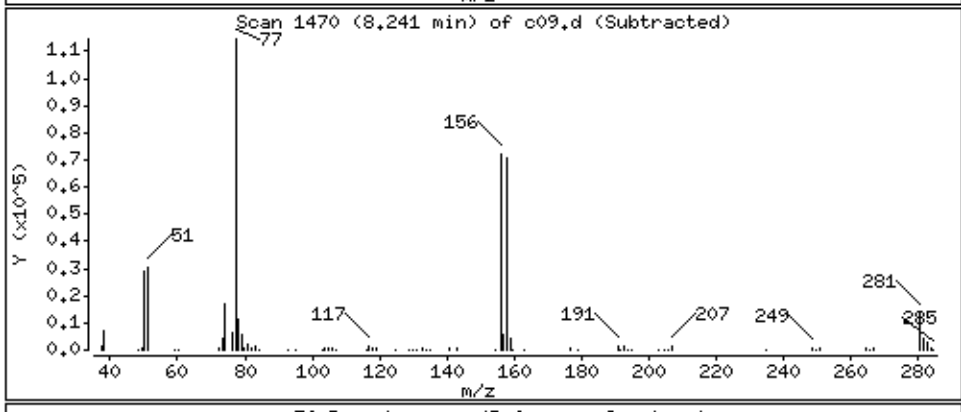
Column diameter: 0.18

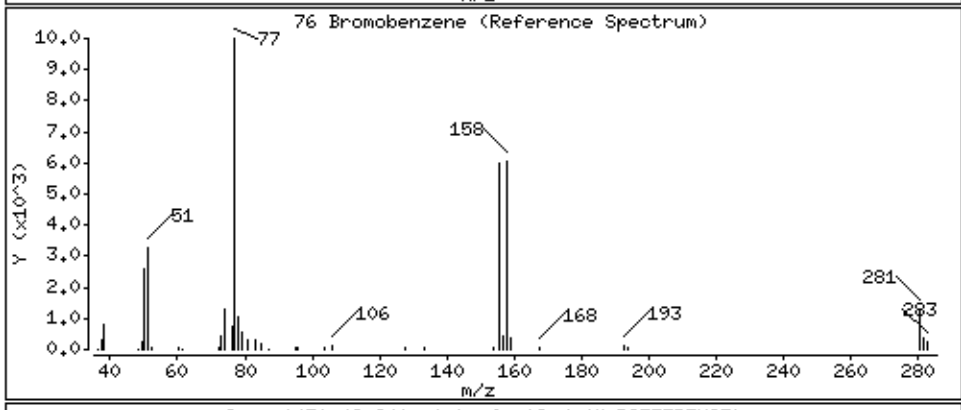
76 Bromobenzene

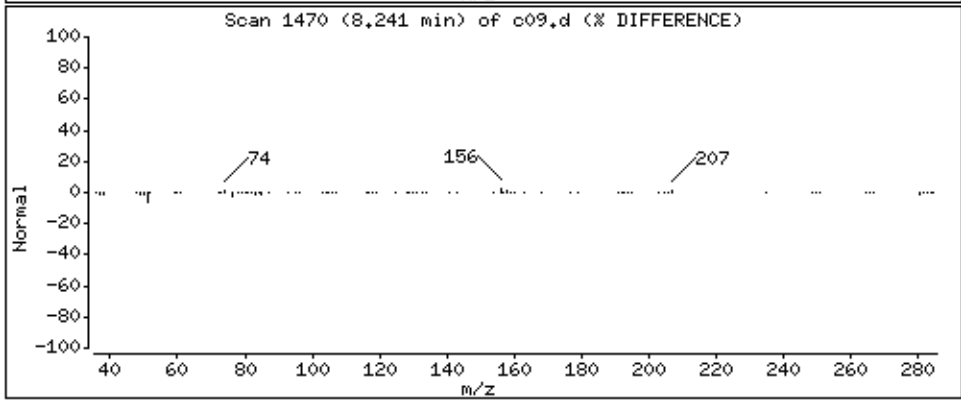
Concentration: 38.7 ppb

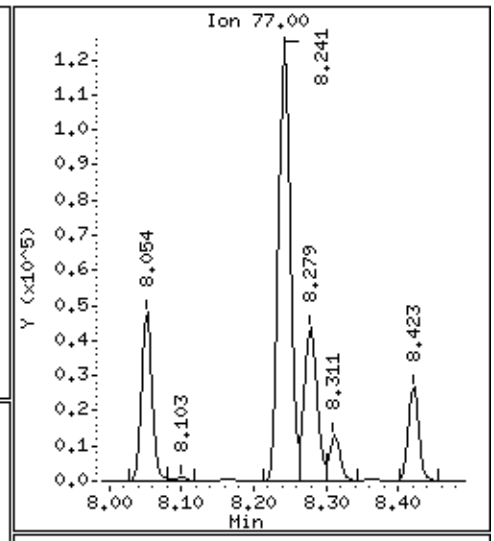
Review Code:

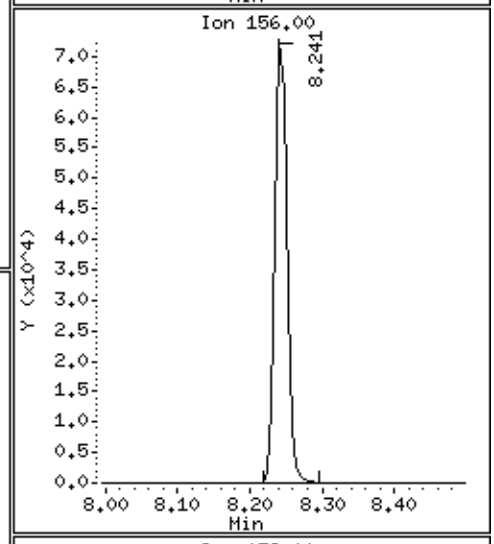


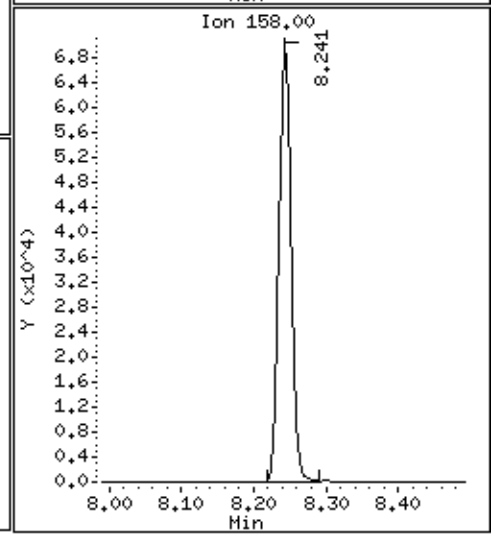












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

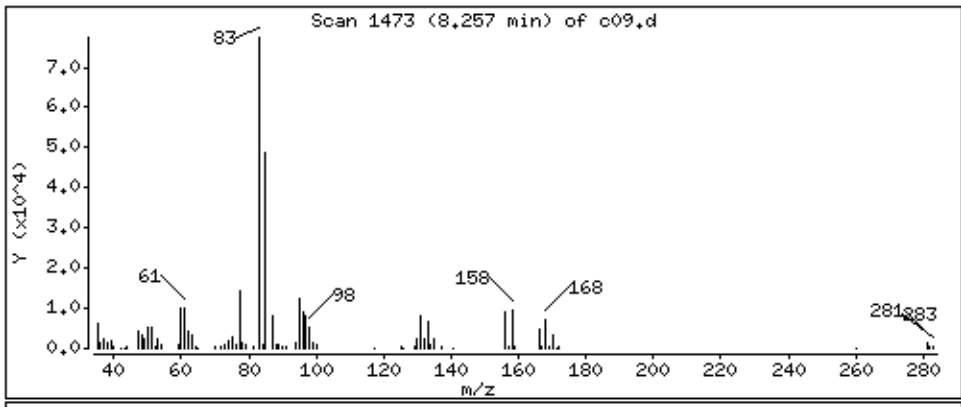
Column phase: DB-624

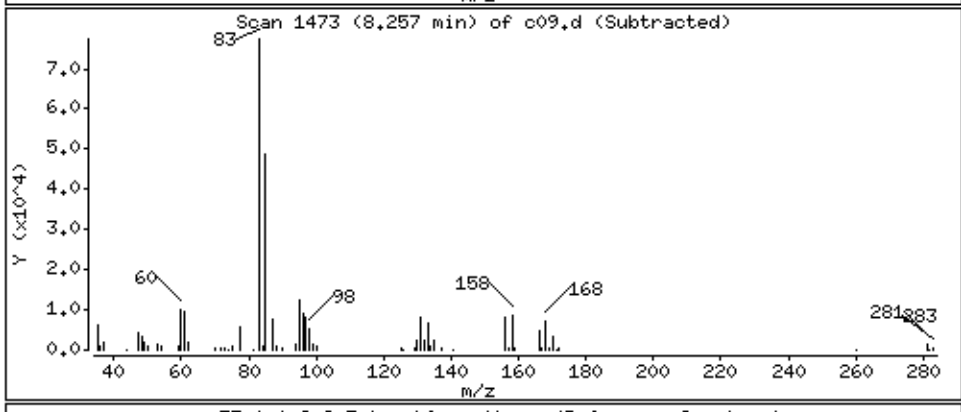
Column diameter: 0.18

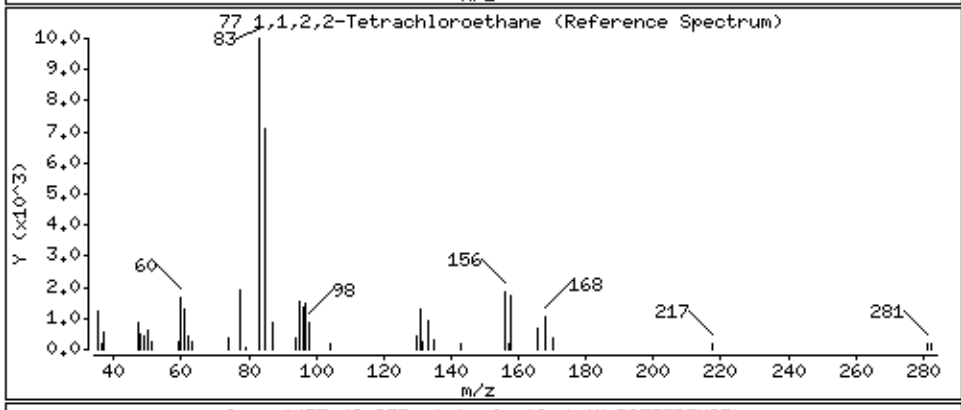
77 1,1,2,2-Tetrachloroethane

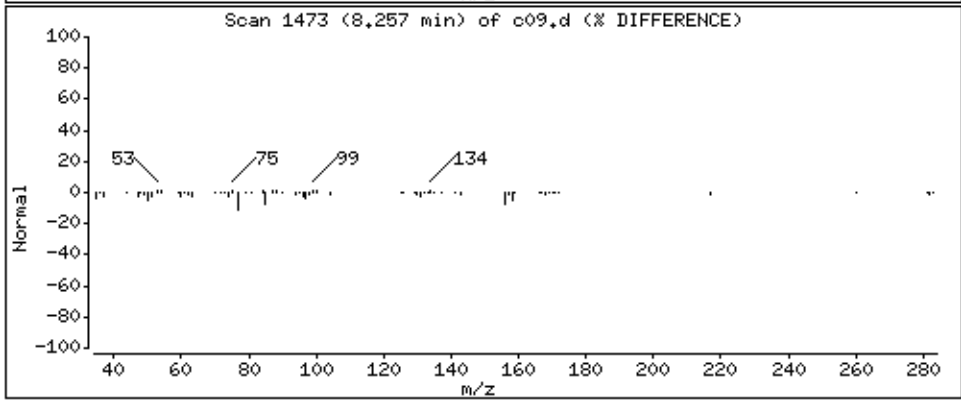
Concentration: 51.8 ppb

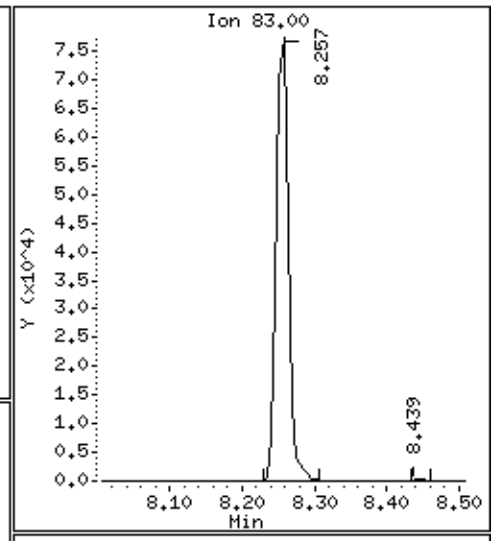
Review Code:

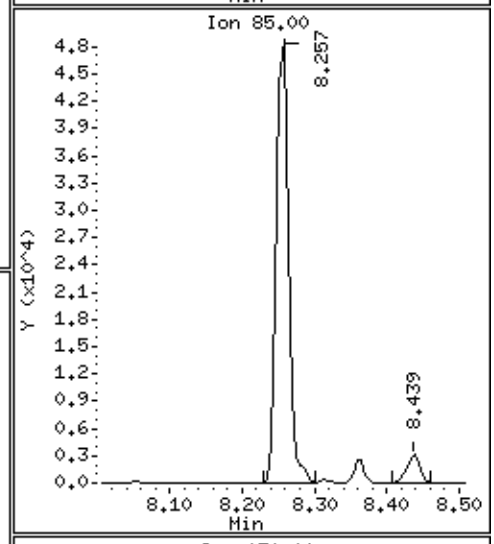


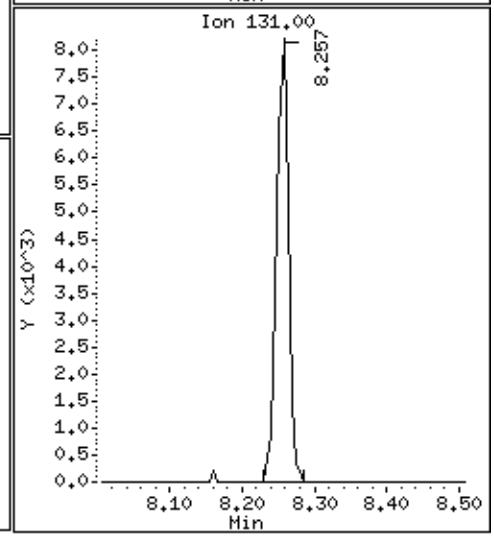












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

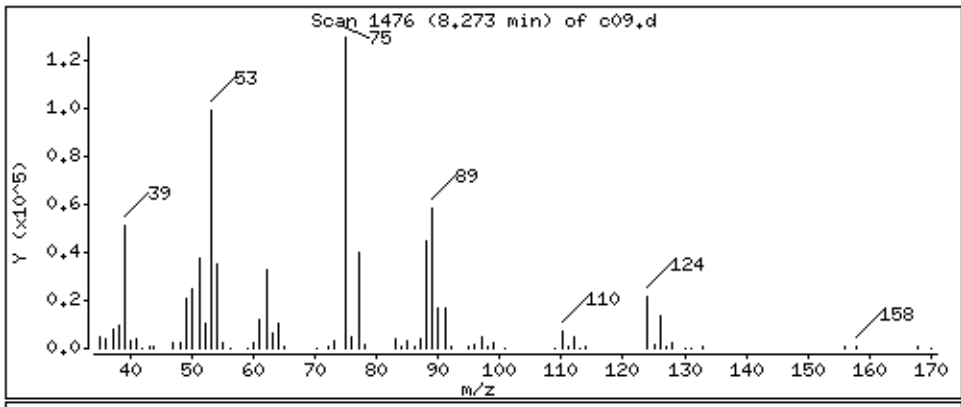
Column phase: DB-624

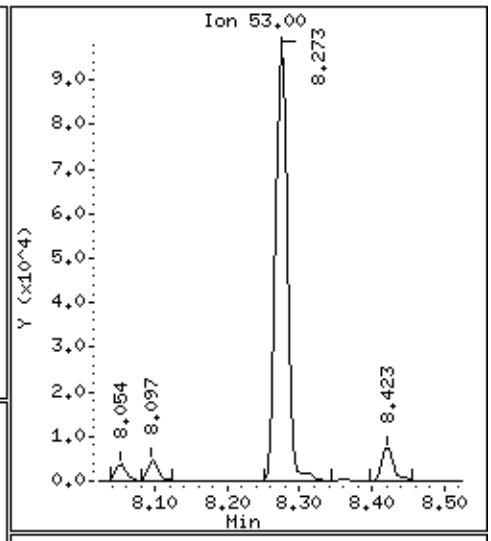
Column diameter: 0.18

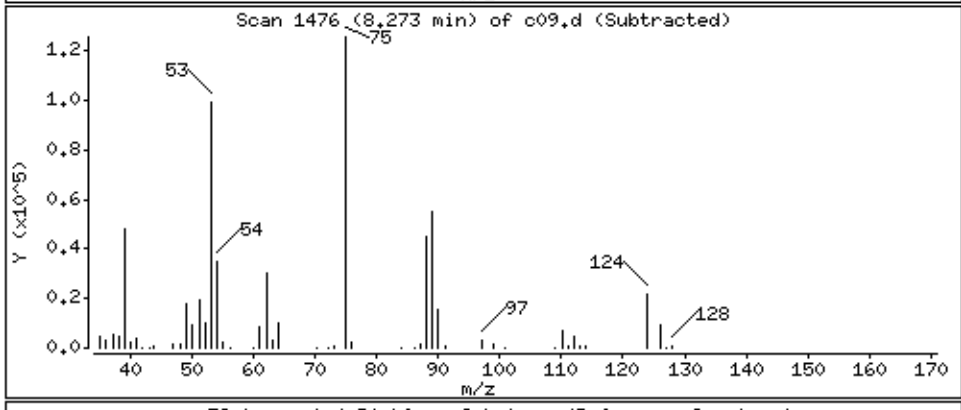
78 trans-1,4-Dichloro-2-butene

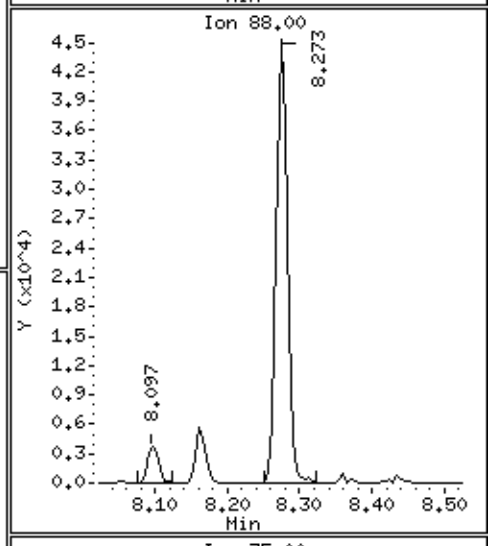
Concentration: 214 ppb

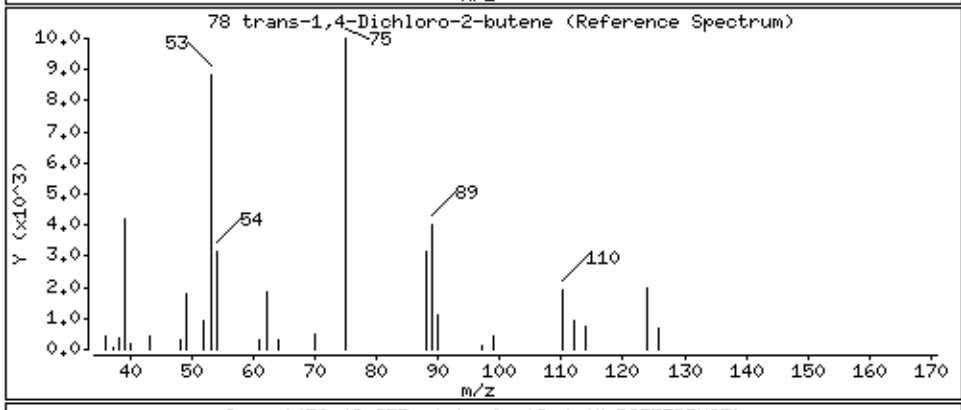
Review Code:

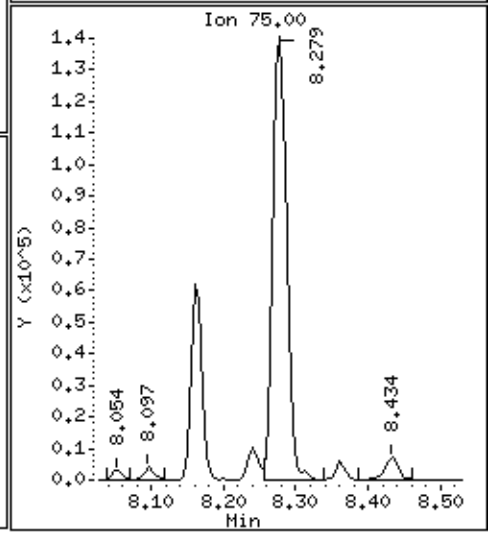


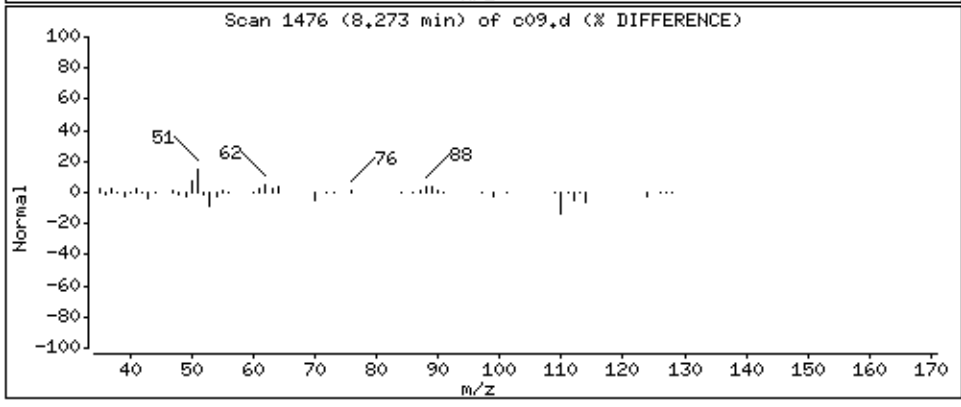












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

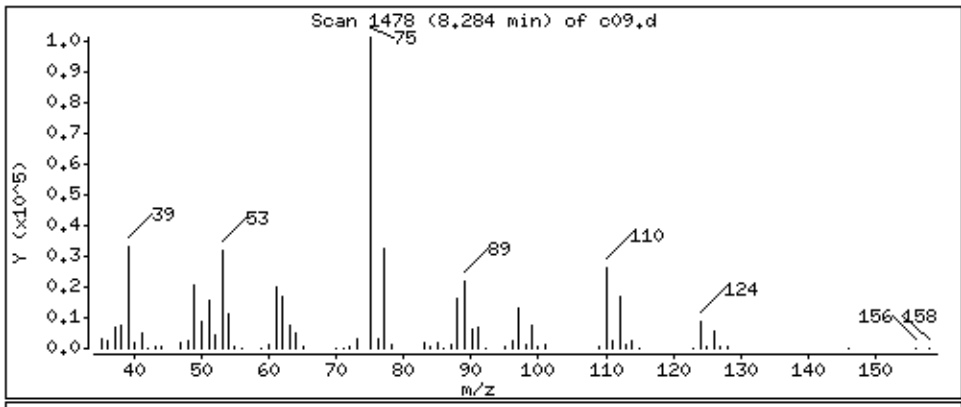
Column phase: DB-624

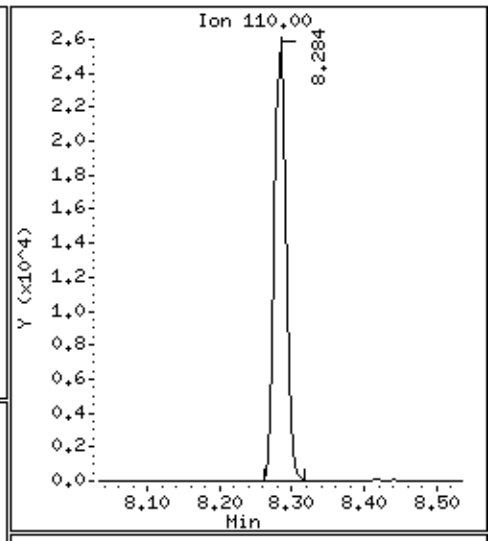
Column diameter: 0.18

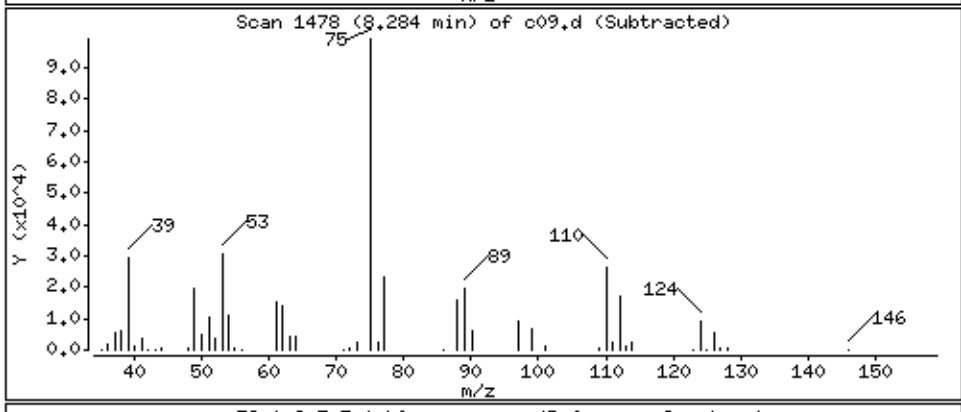
79 1,2,3-Trichloropropane

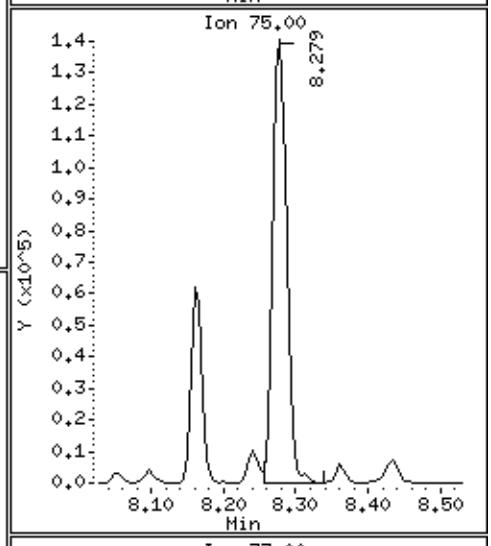
Concentration: 51.4 ppb

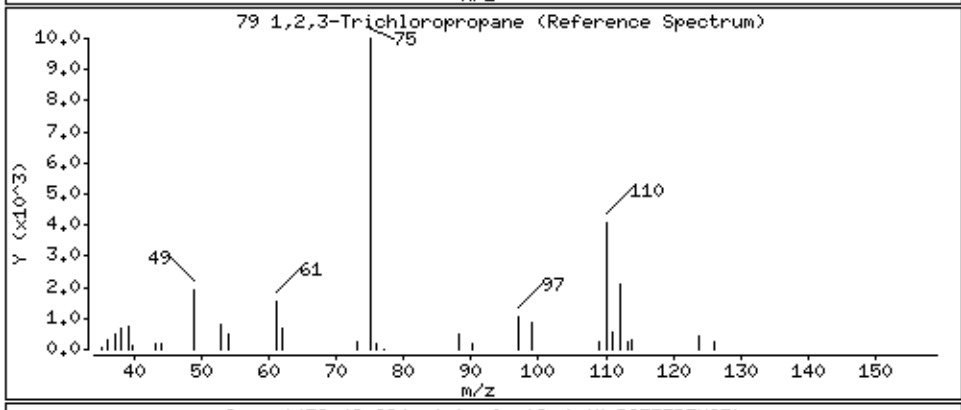
Review Code:

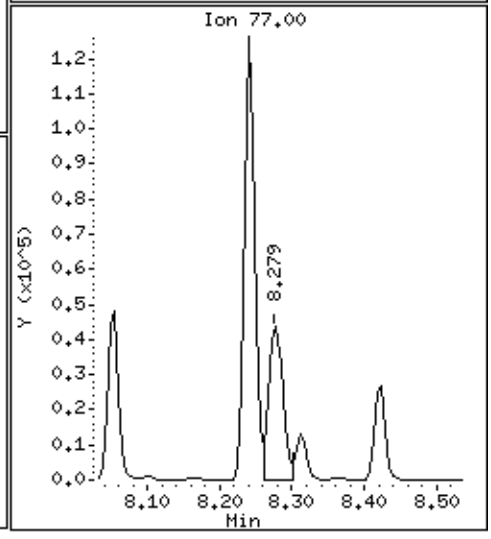


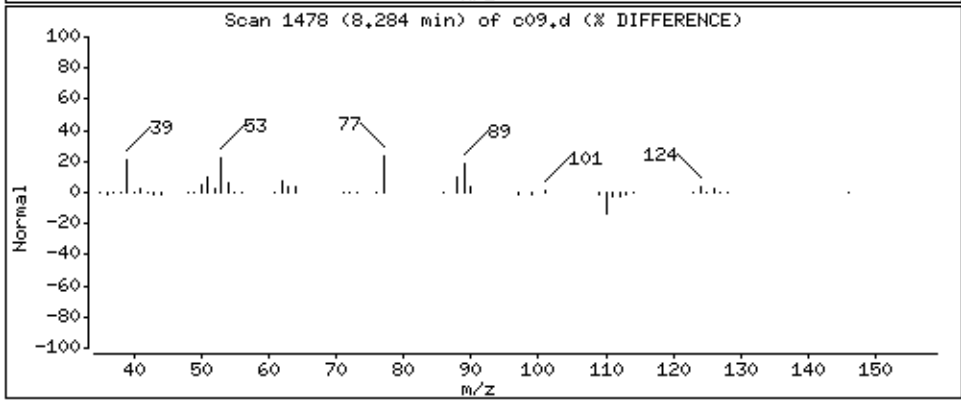












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

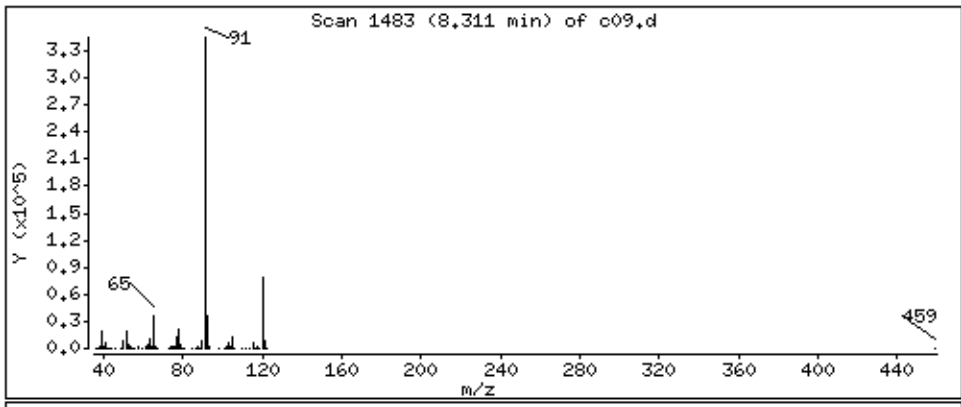
Column phase: DB-624

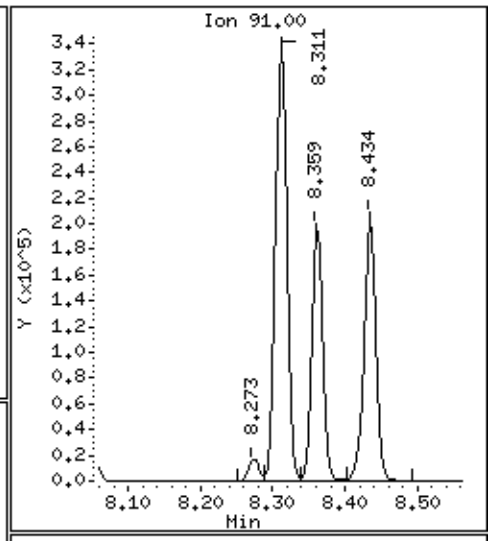
Column diameter: 0.18

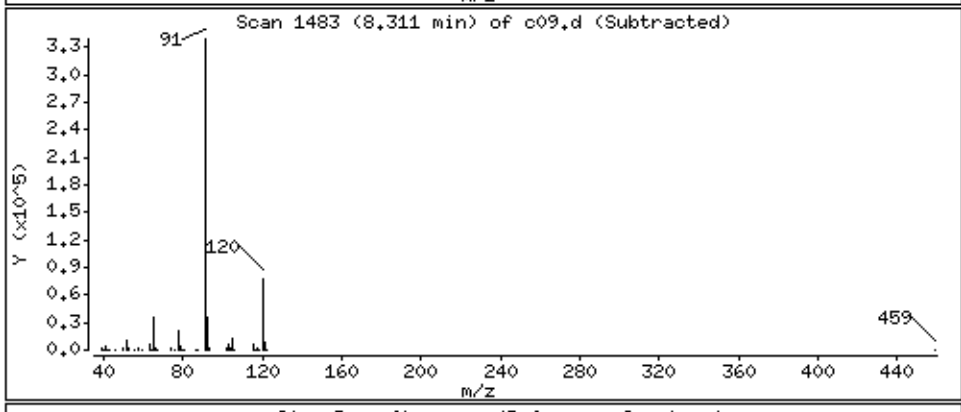
80 n-Propylbenzene

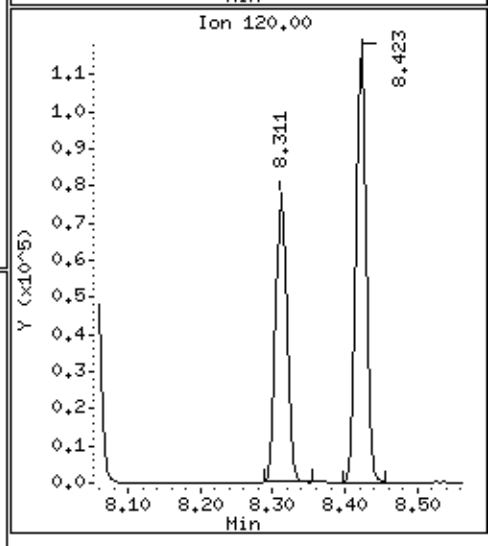
Concentration: 29.9 ppb

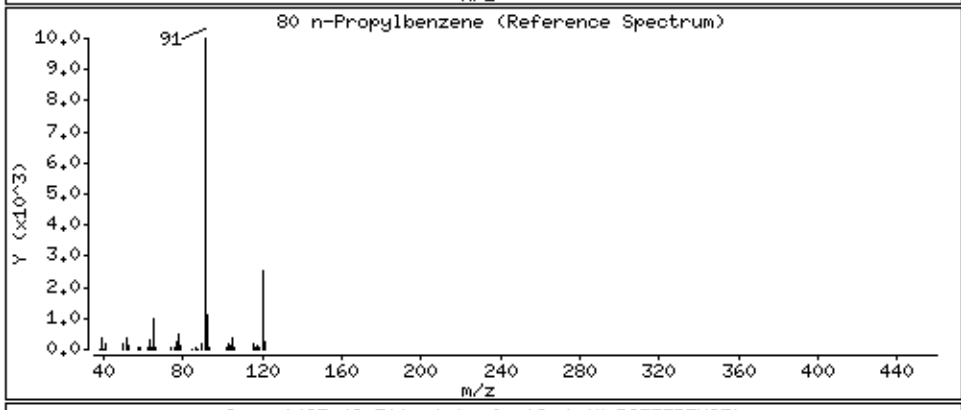
Review Code:

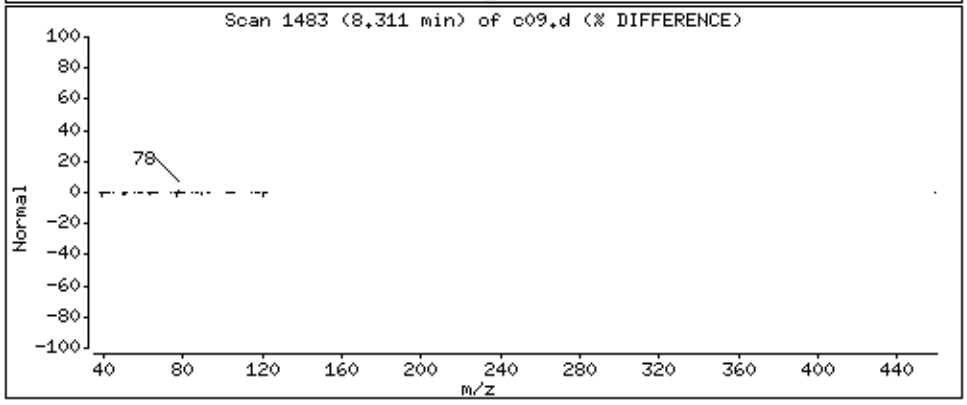












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

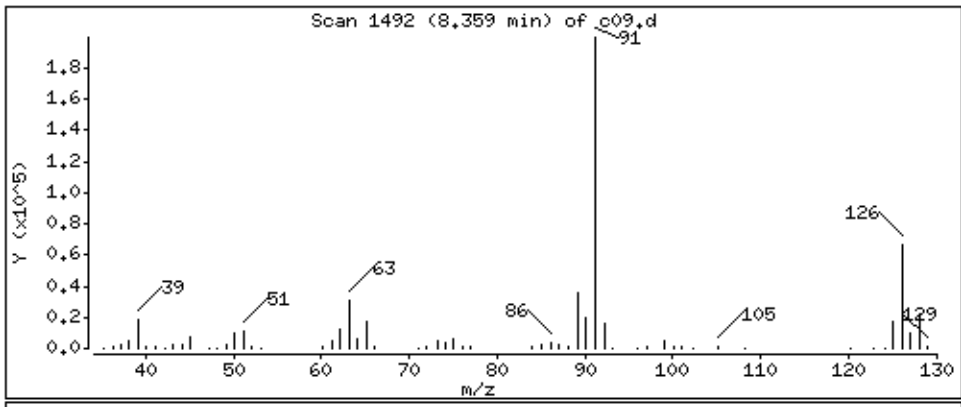
Column phase: DB-624

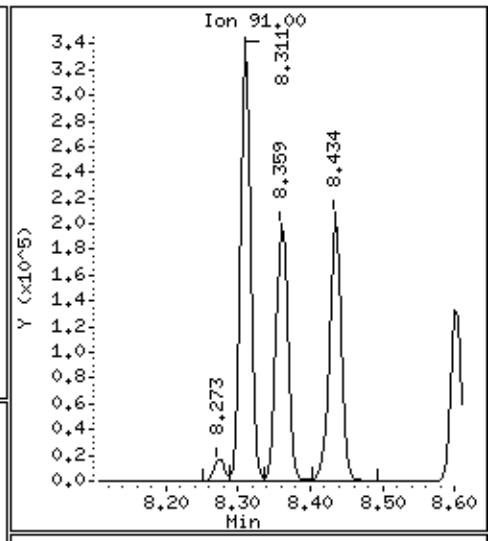
Column diameter: 0.18

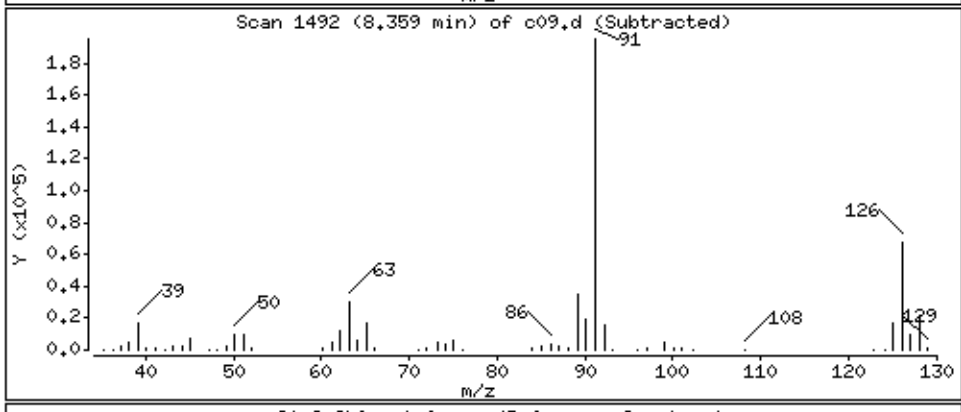
81 2-Chlorotoluene

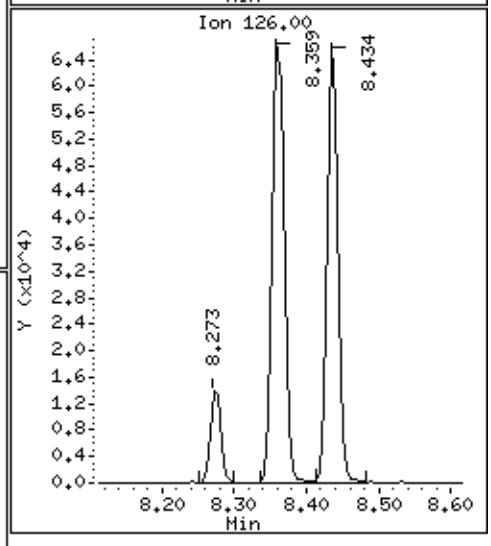
Concentration: 33.1 ppb

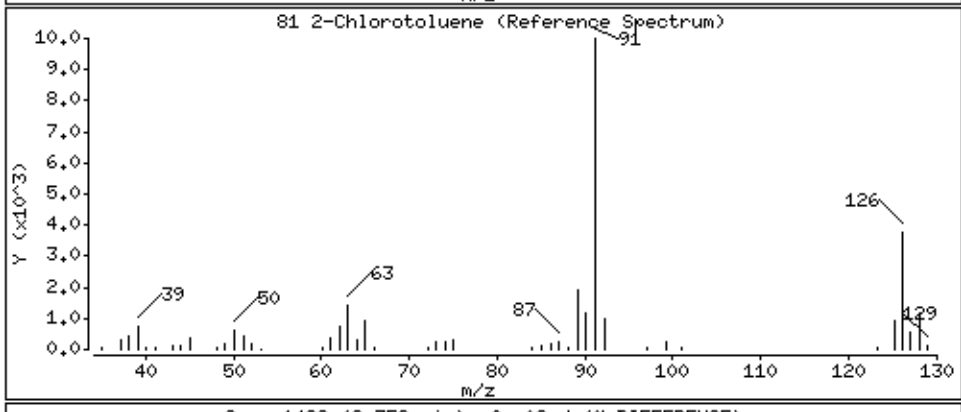
Review Code:

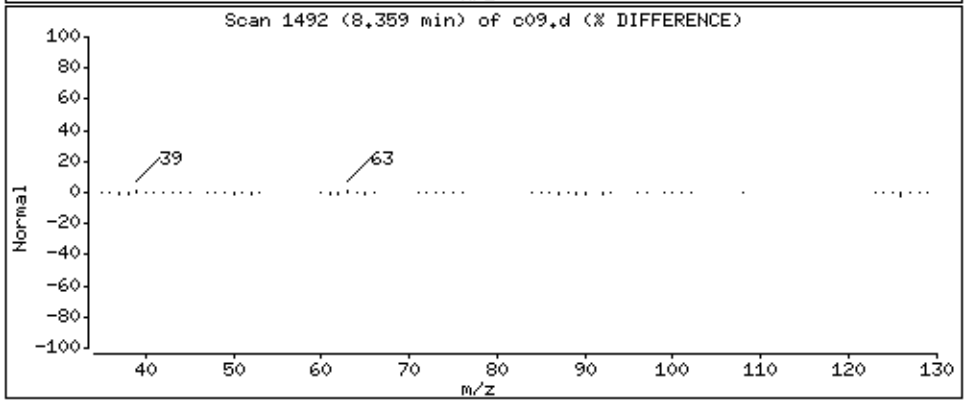












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

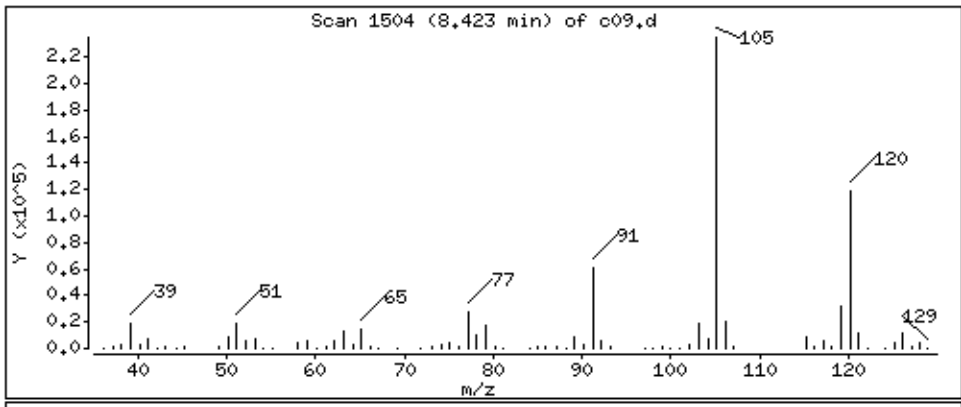
Column phase: DB-624

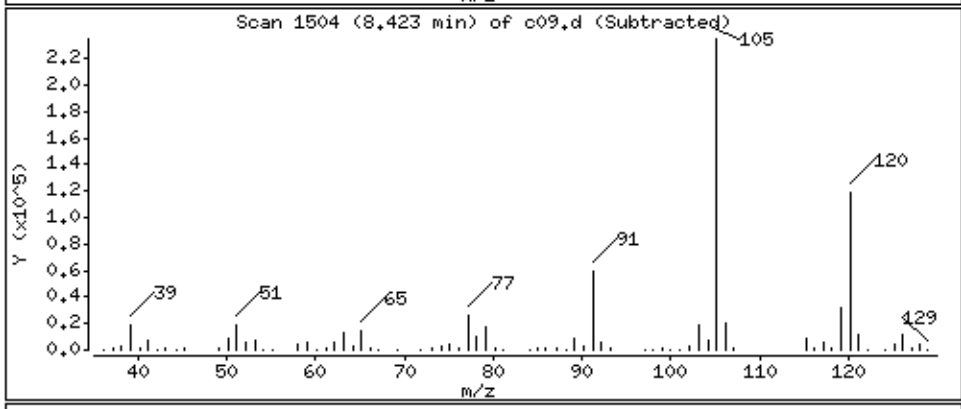
Column diameter: 0.18

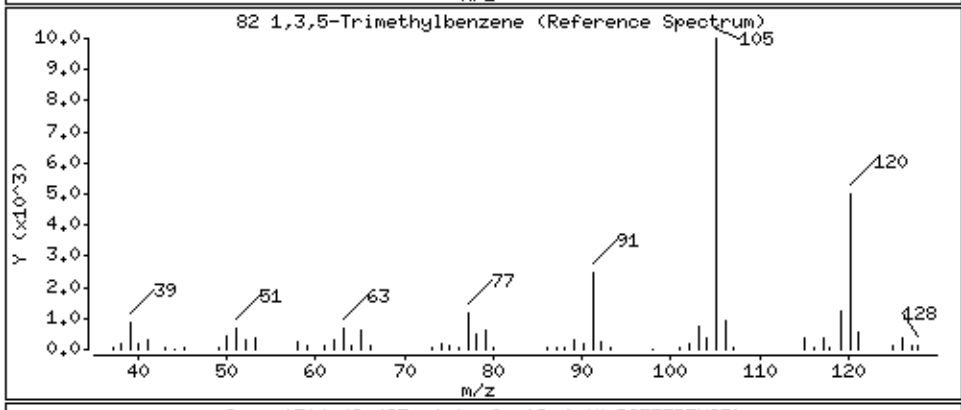
82 1,3,5-Trimethylbenzene

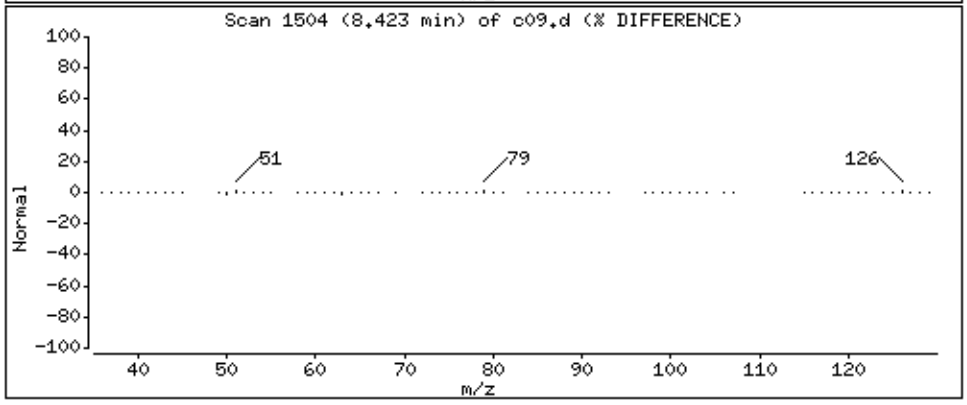
Concentration: 30.8 ppb

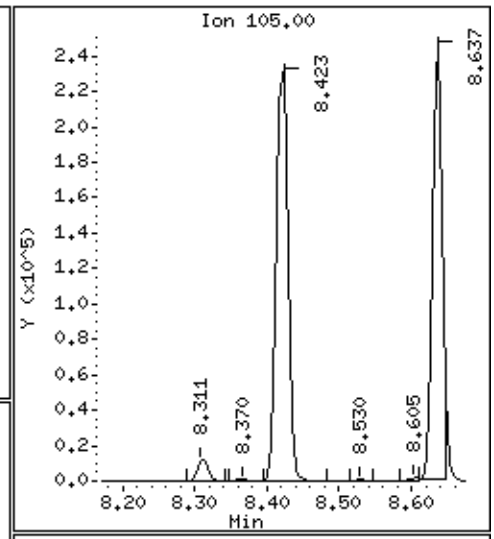
Review Code:

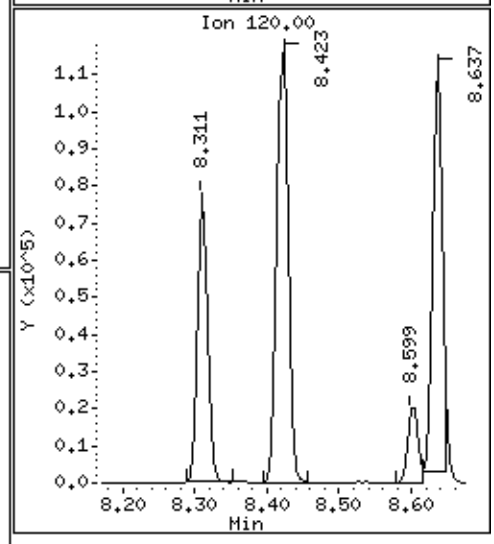












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

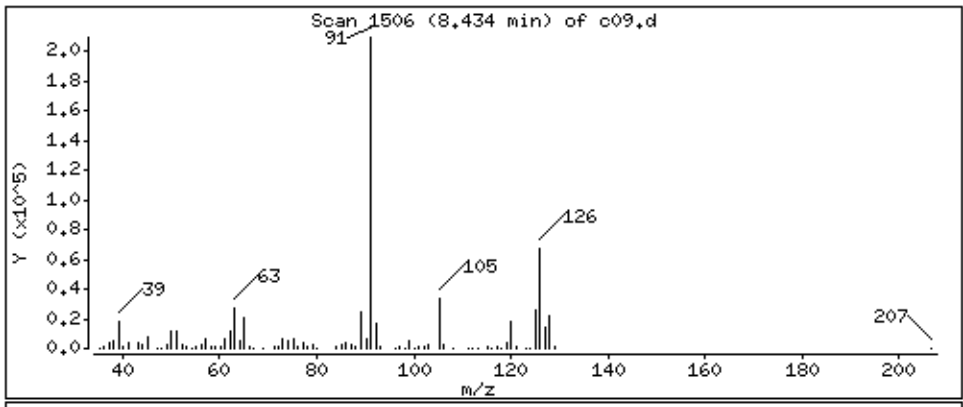
Column phase: DB-624

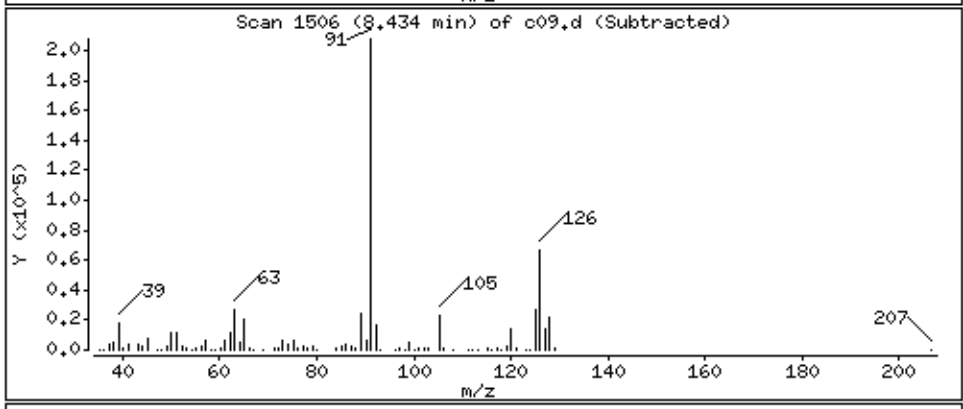
Column diameter: 0.18

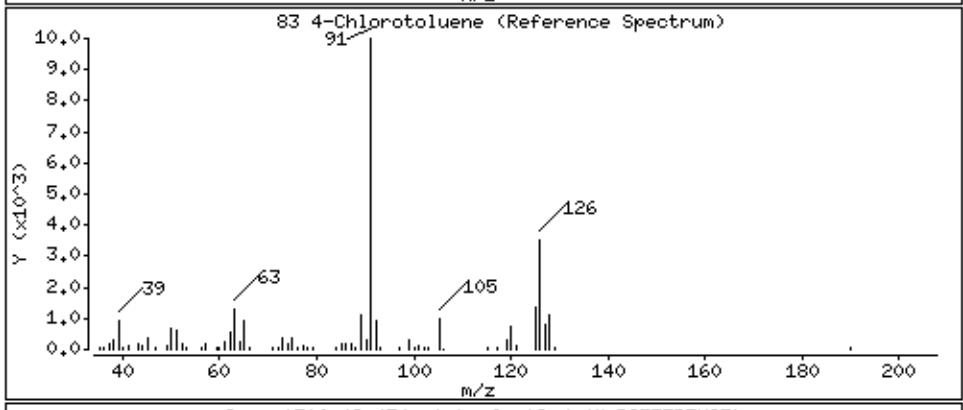
83 4-Chlorotoluene

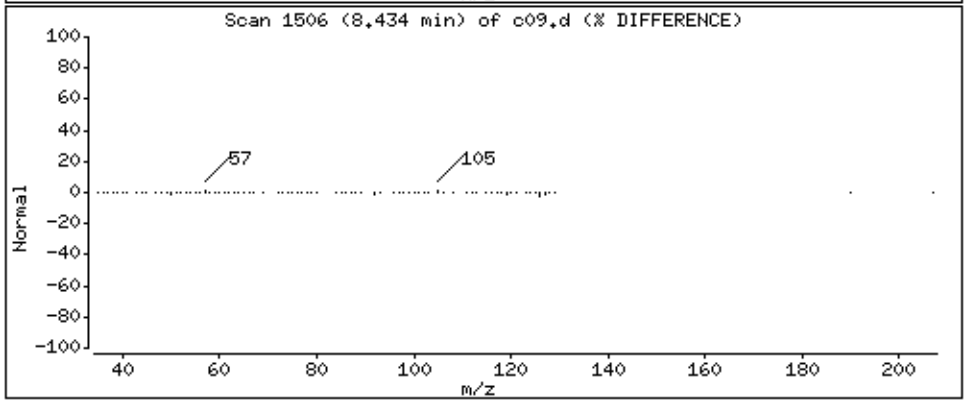
Concentration: 30.8 ppb

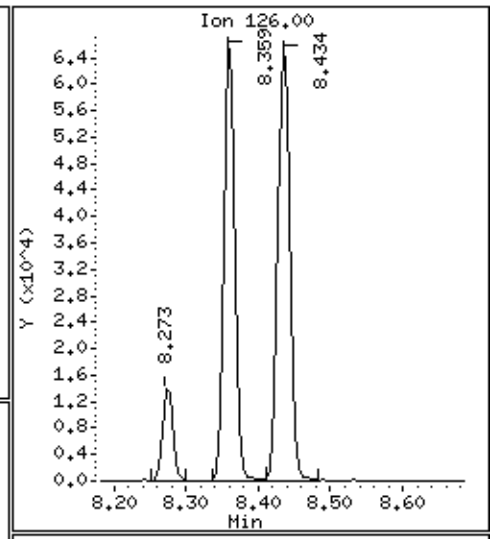
Review Code:

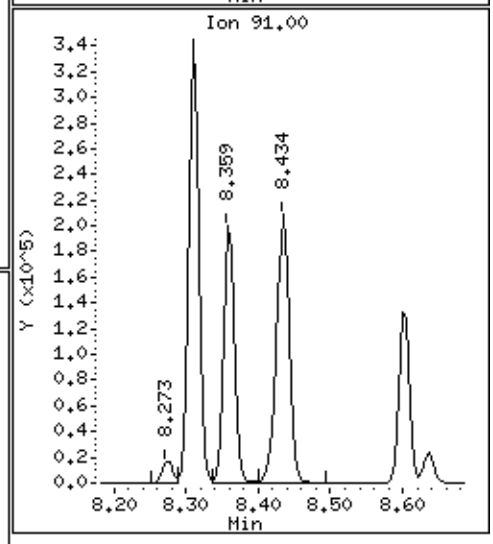












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

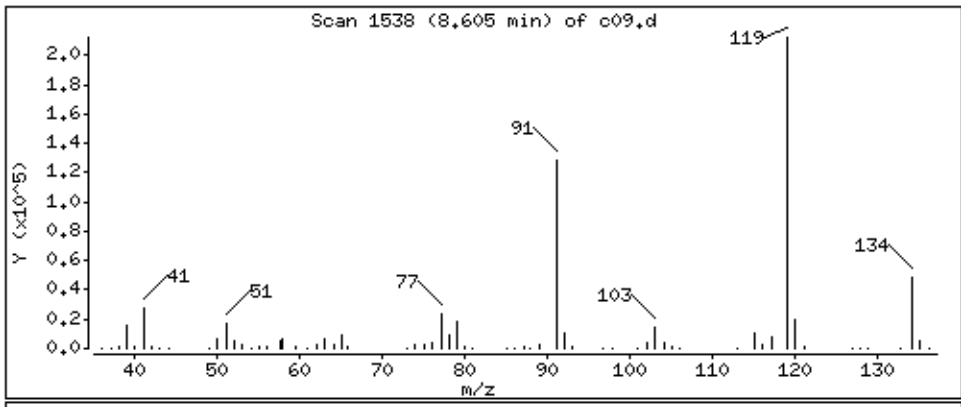
Column phase: DB-624

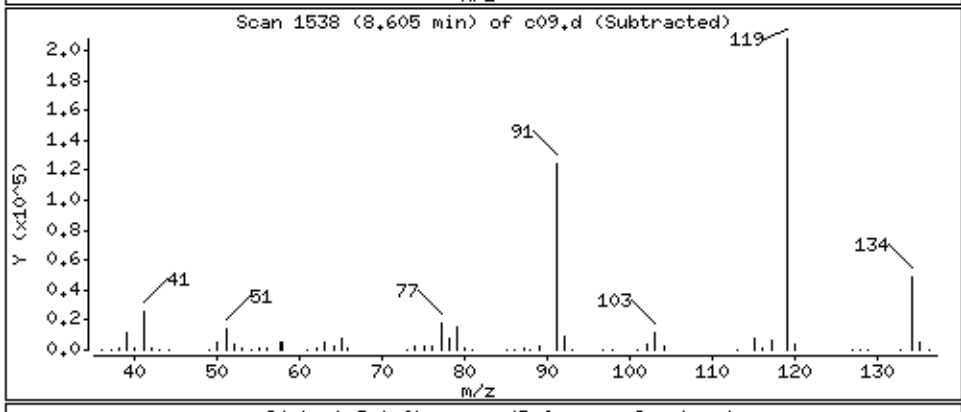
Column diameter: 0.18

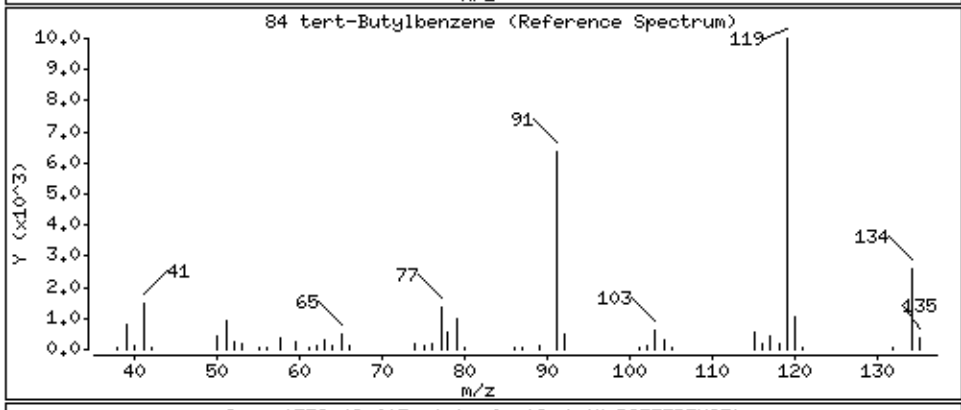
84 tert-Butylbenzene

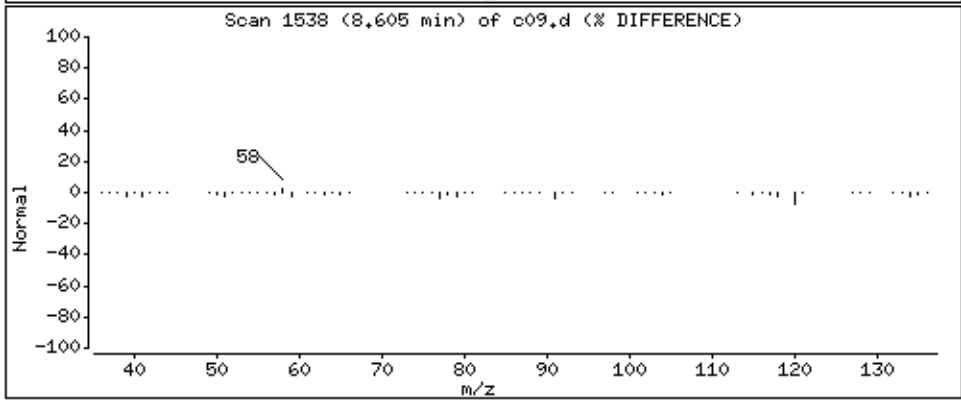
Concentration: 24.2 ppb

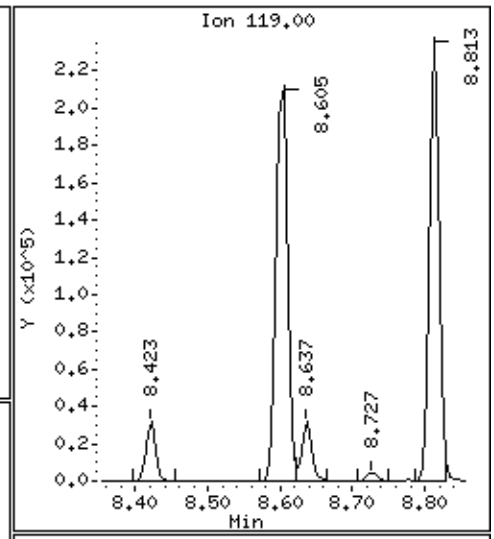
Review Code:

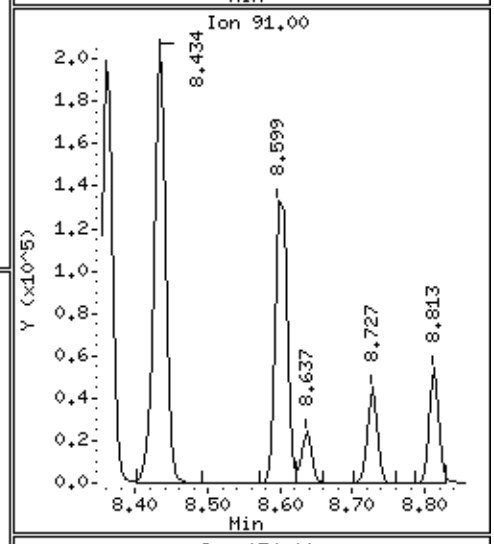


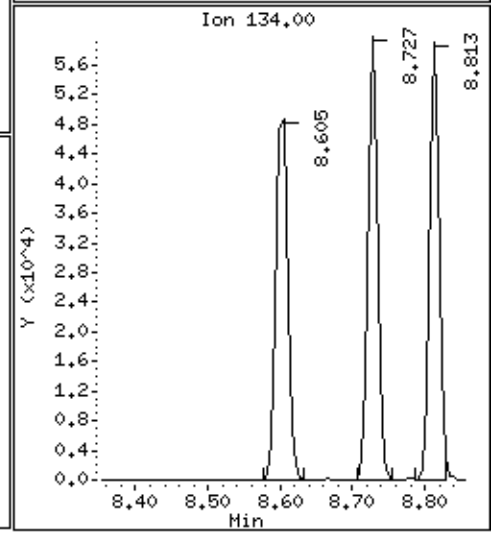












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

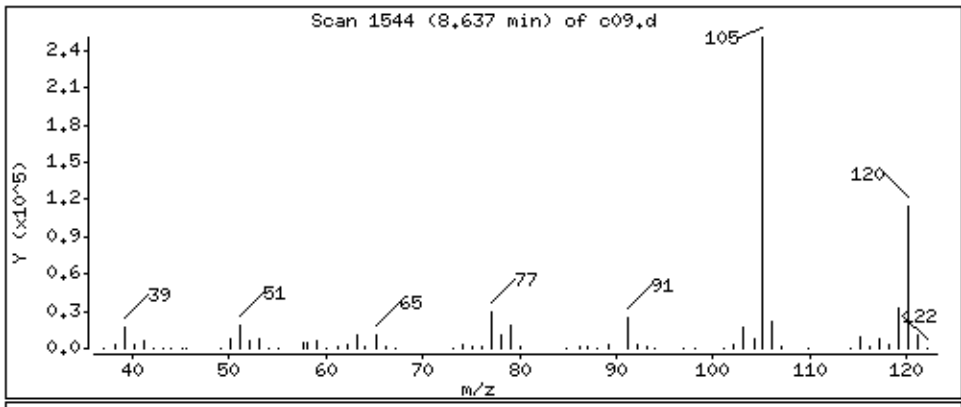
Column phase: DB-624

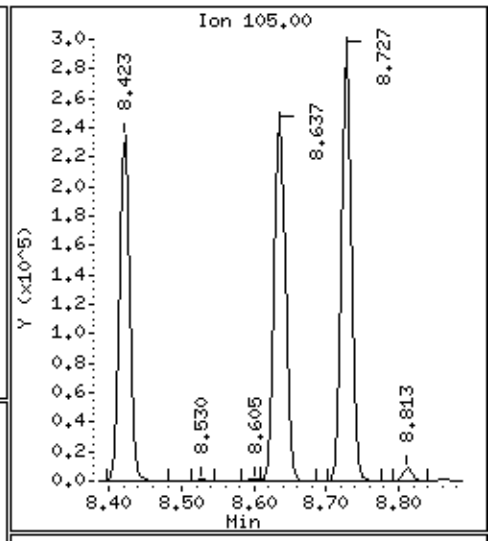
Column diameter: 0.18

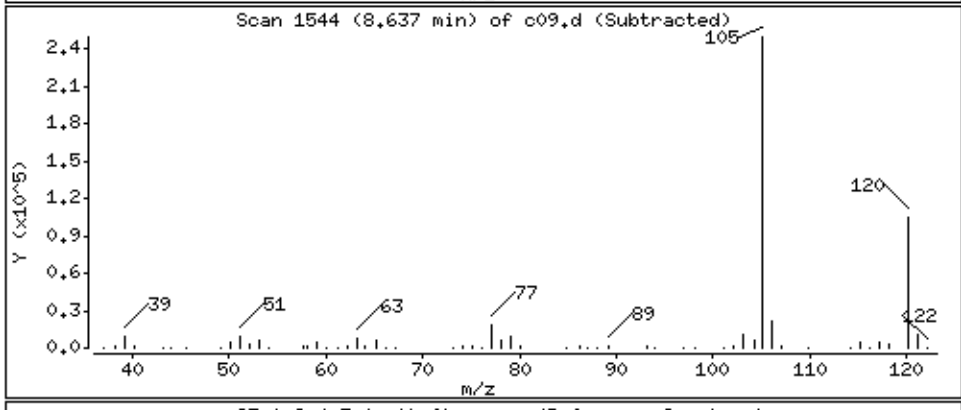
85 1,2,4-Trimethylbenzene

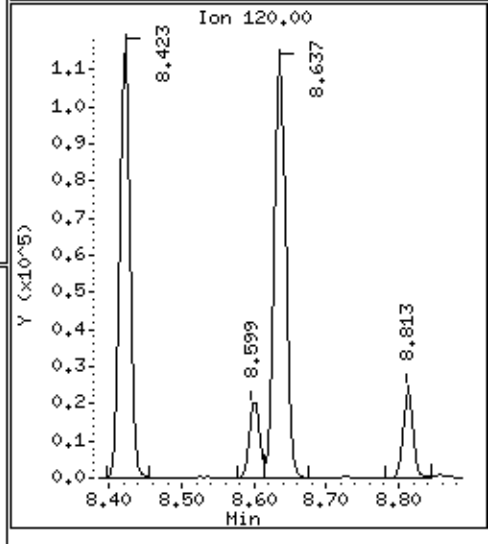
Concentration: 31.1 ppb

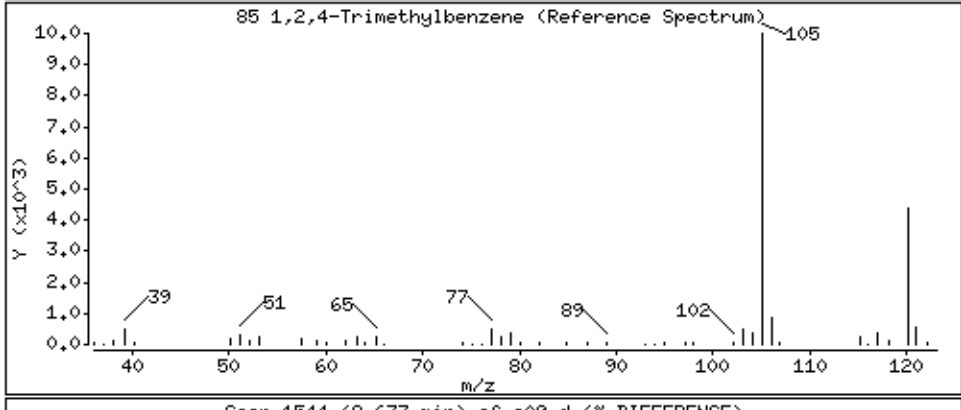
Review Code:

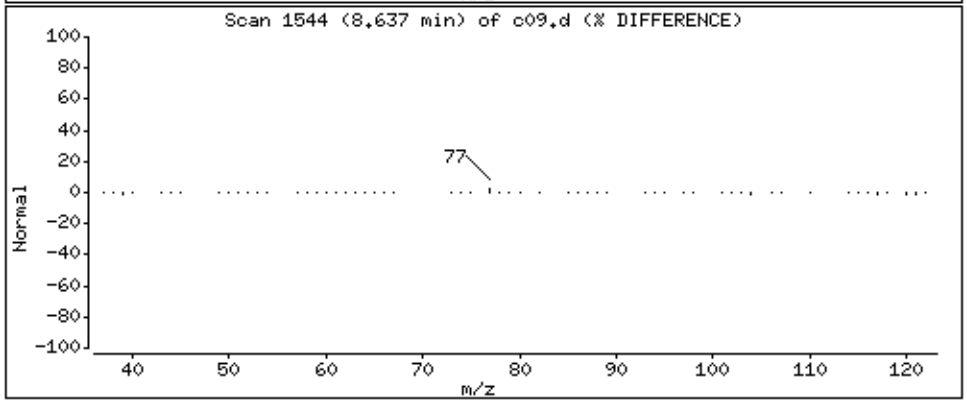












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

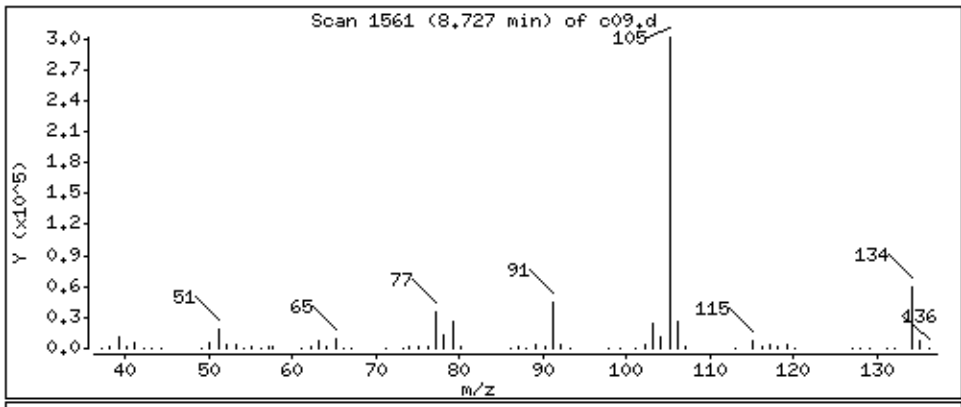
Column phase: DB-624

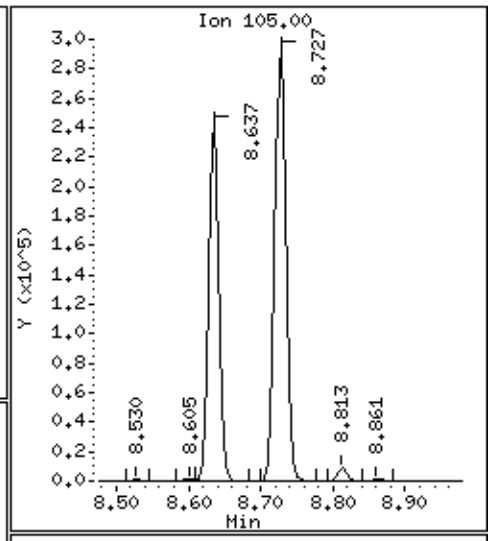
Column diameter: 0.18

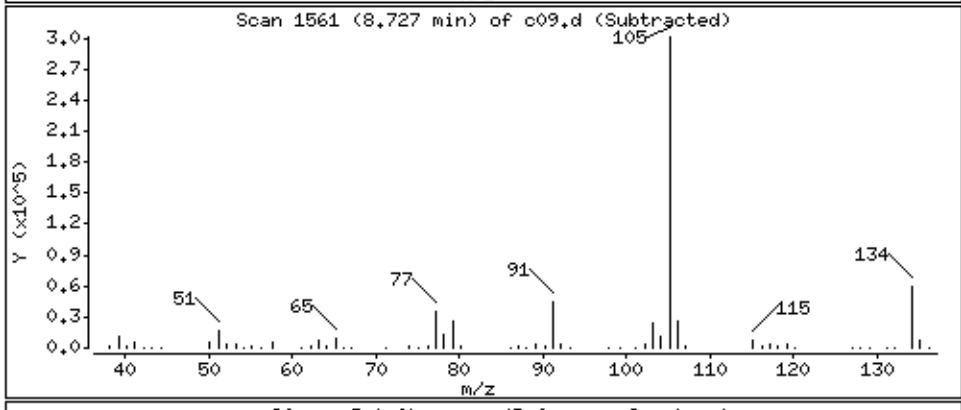
86 sec-Butylbenzene

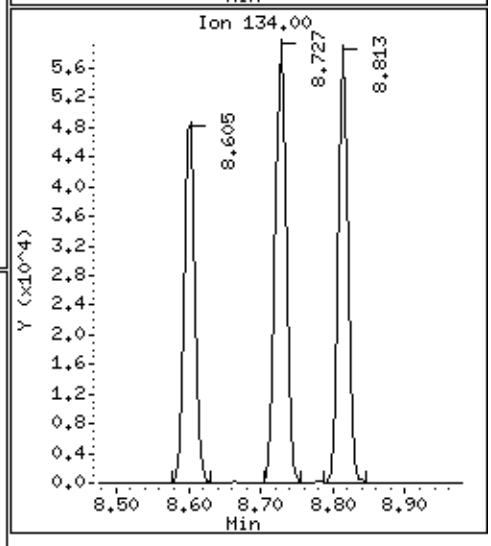
Concentration: 27.4 ppb

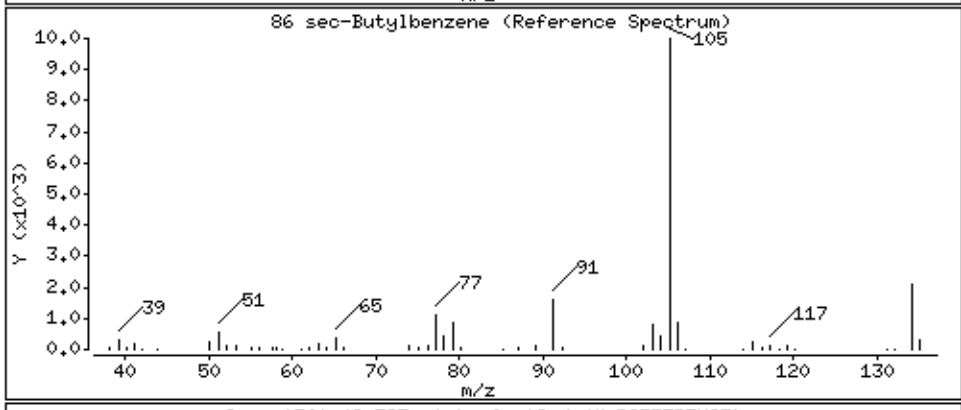
Review Code:

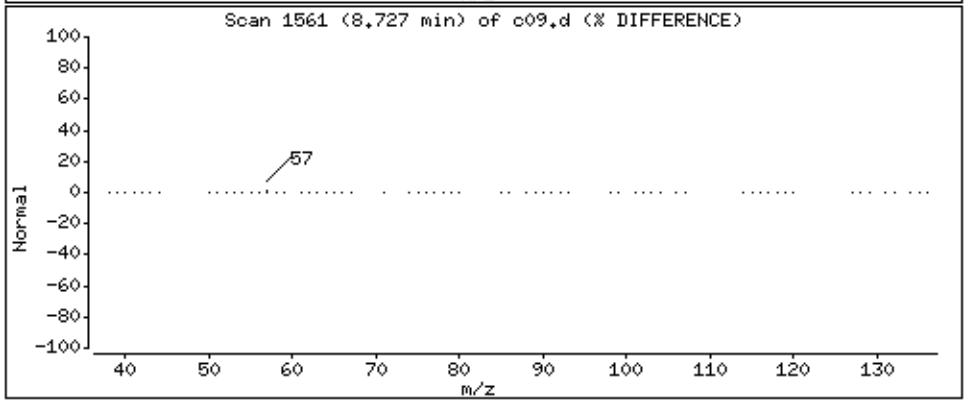












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

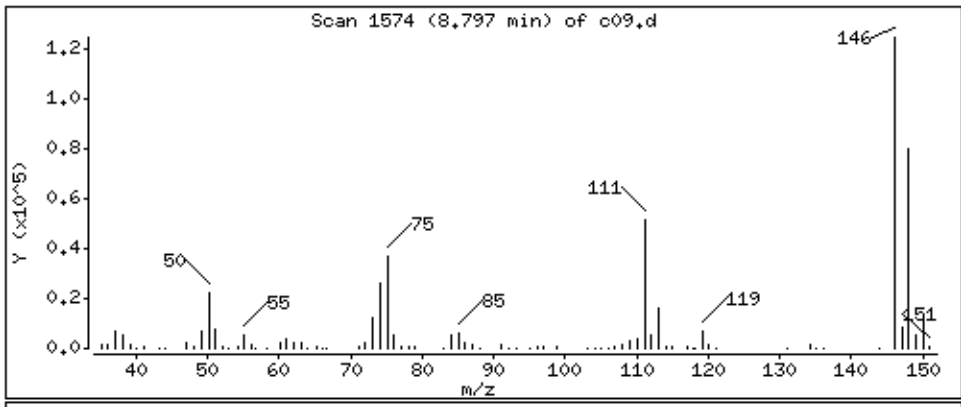
Column phase: DB-624

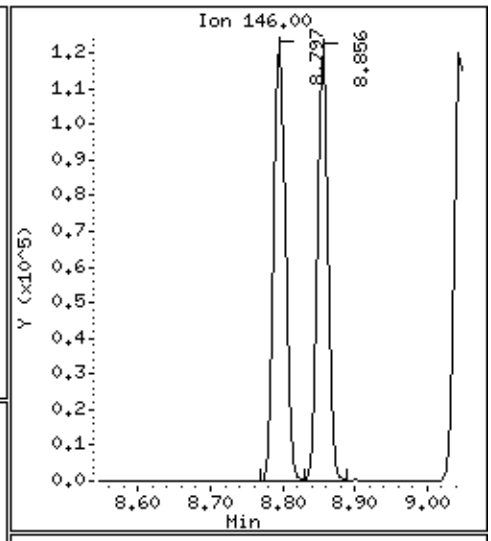
Column diameter: 0.18

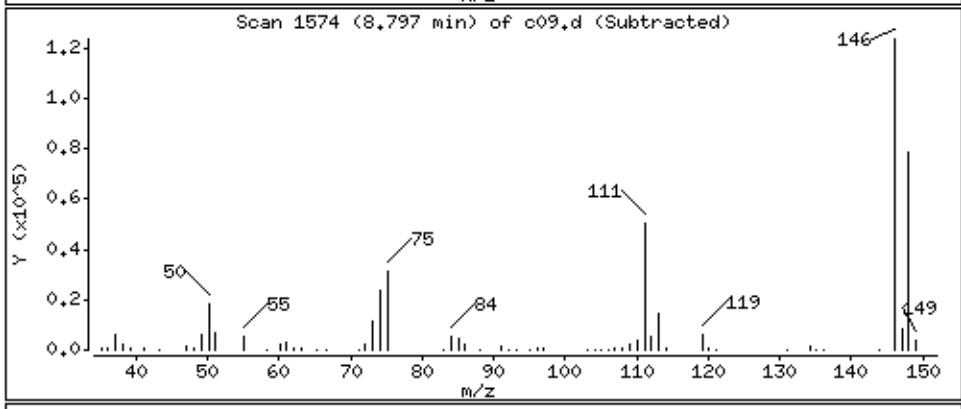
87 1,3-Dichlorobenzene

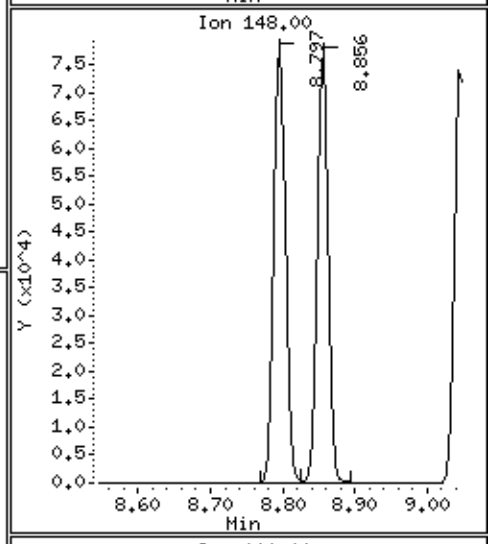
Concentration: 30.9 ppb

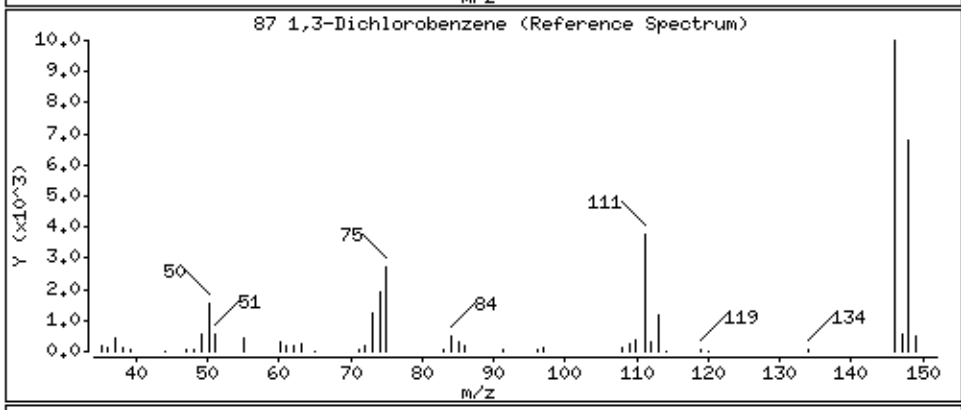
Review Code:

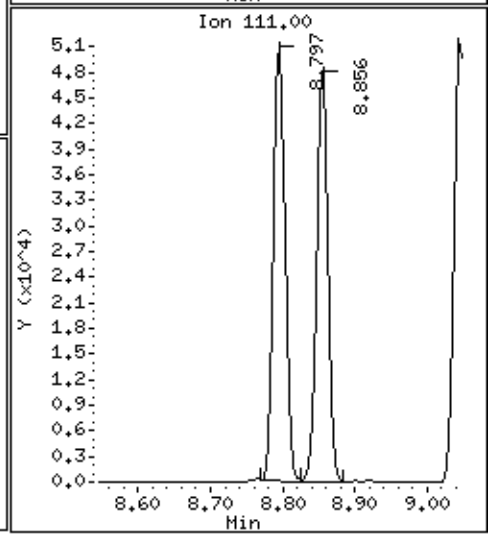


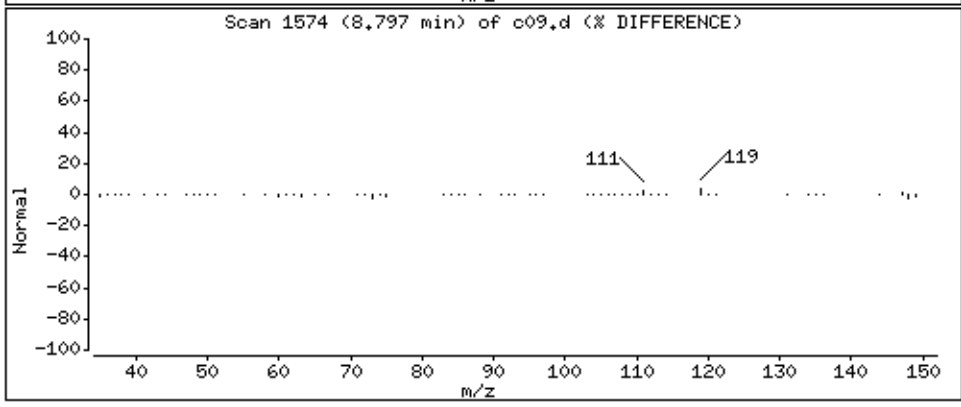












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

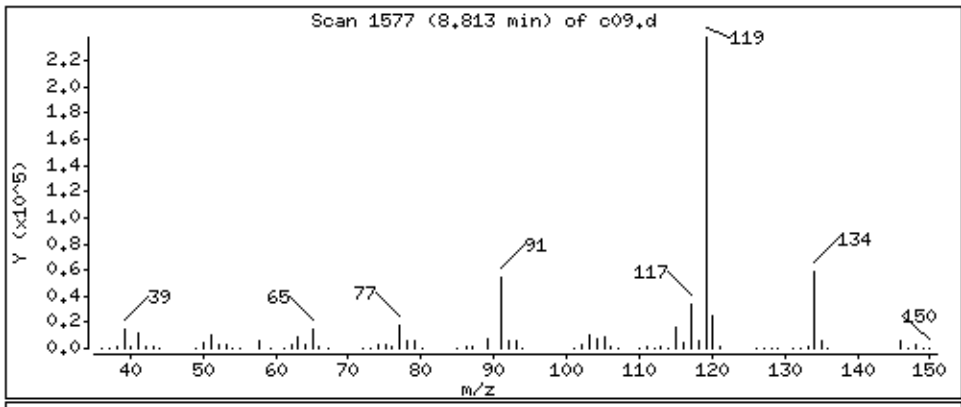
Column phase: DB-624

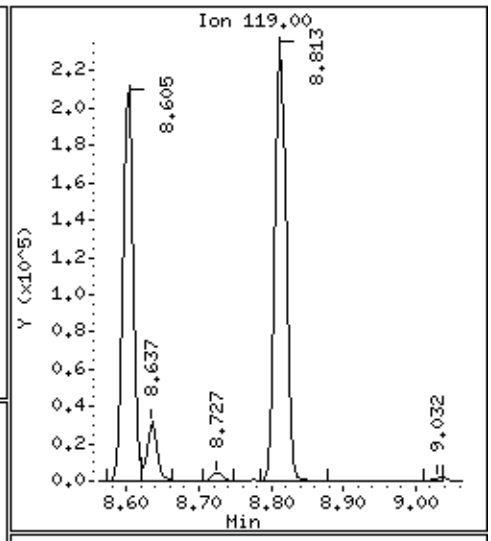
Column diameter: 0.18

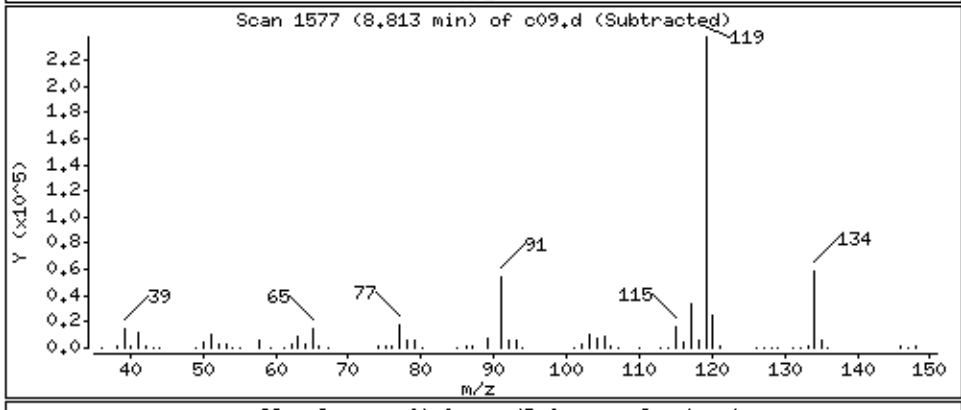
88 p-Isopropyltoluene

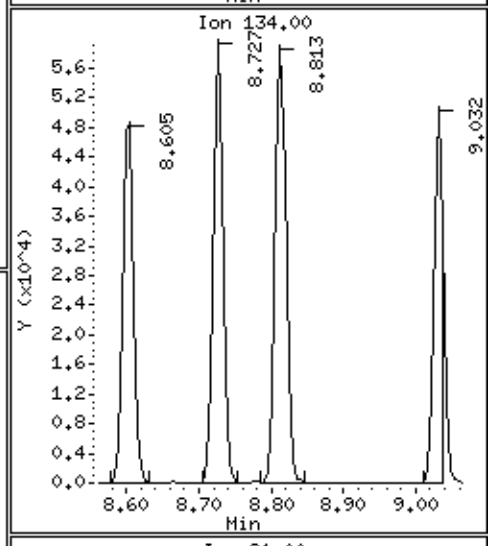
Concentration: 26.0 ppb

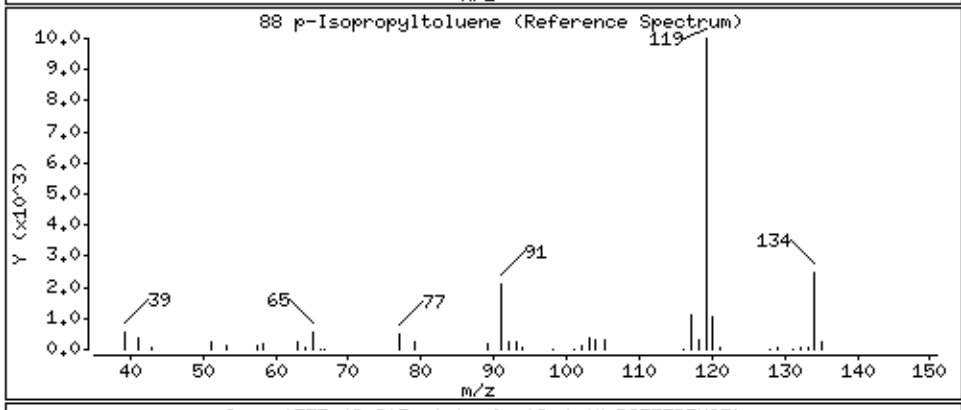
Review Code:

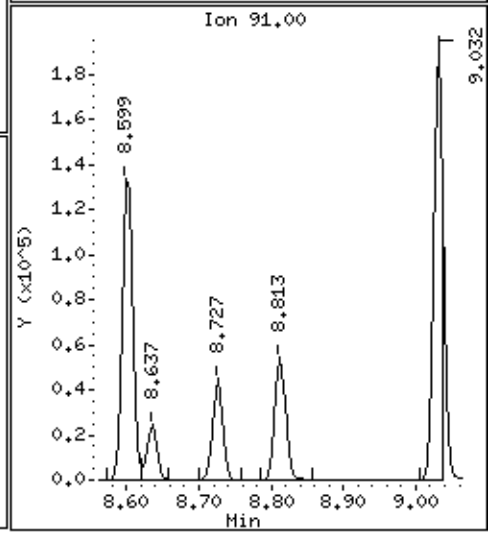


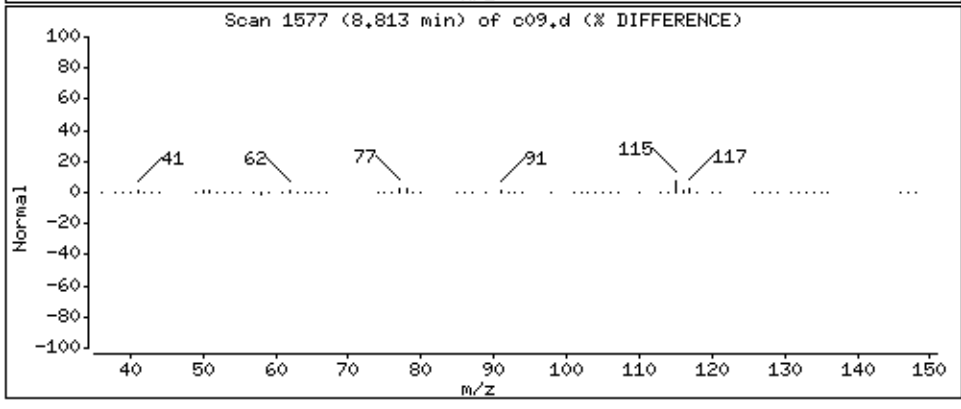












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

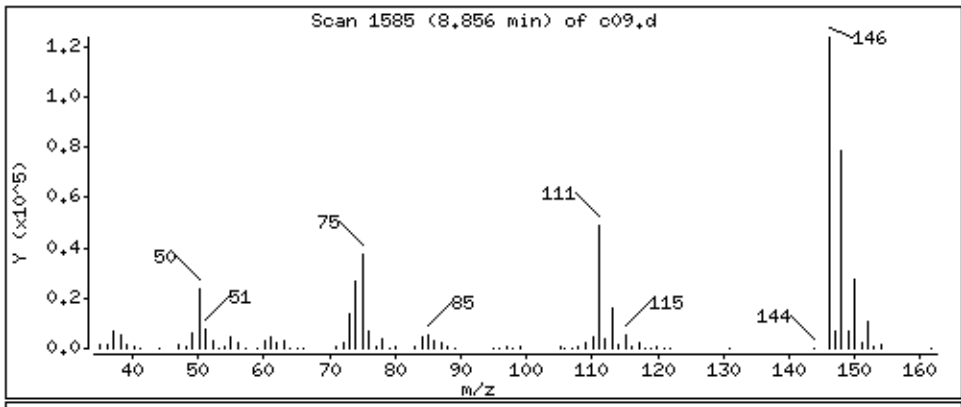
Column phase: DB-624

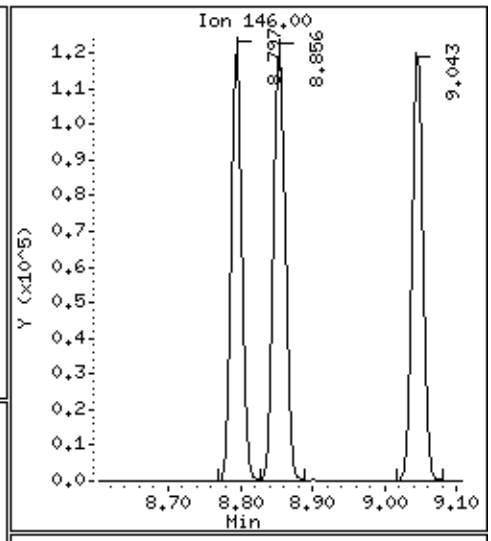
Column diameter: 0.18

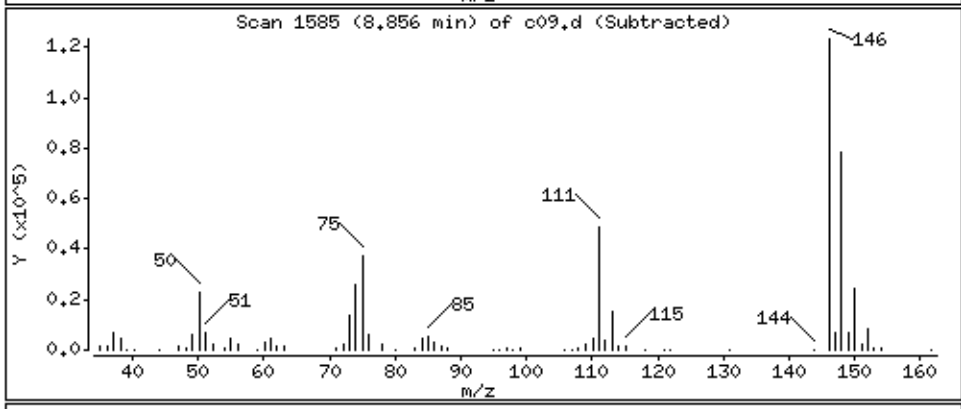
90 1,4-Dichlorobenzene

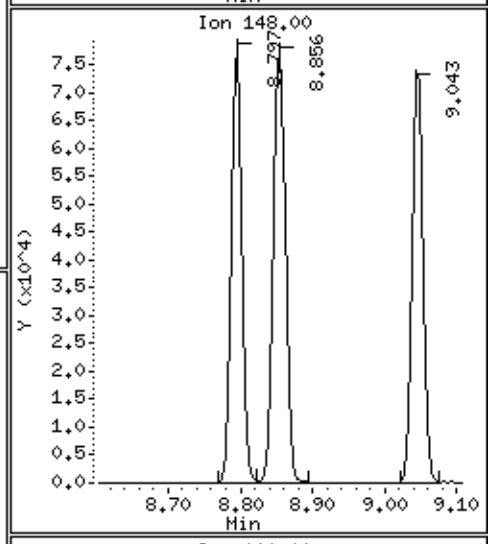
Concentration: 29.8 ppb

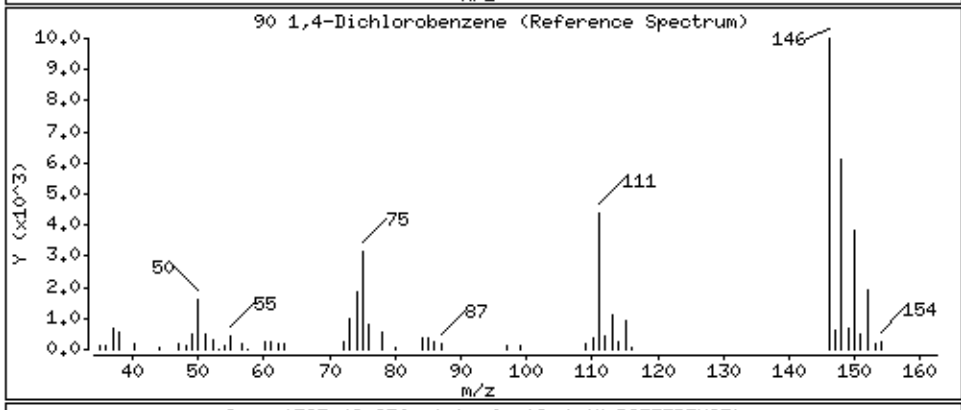
Review Code:

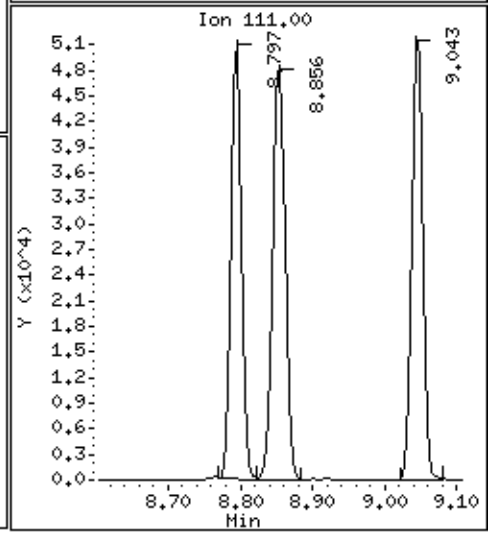


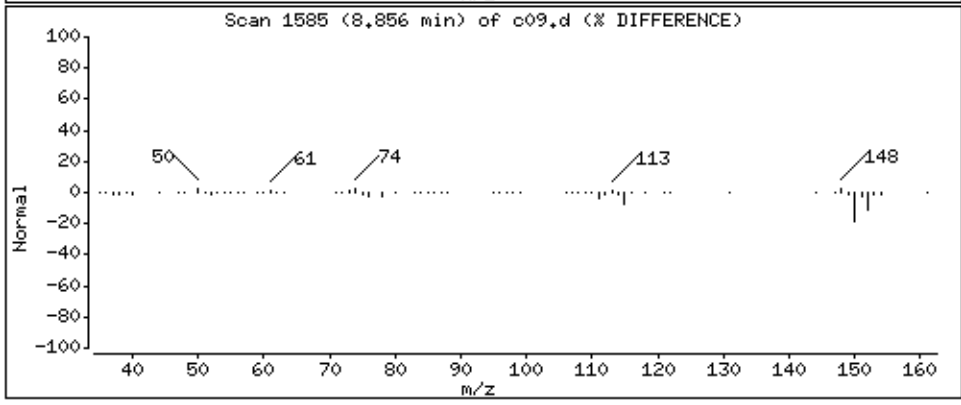












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

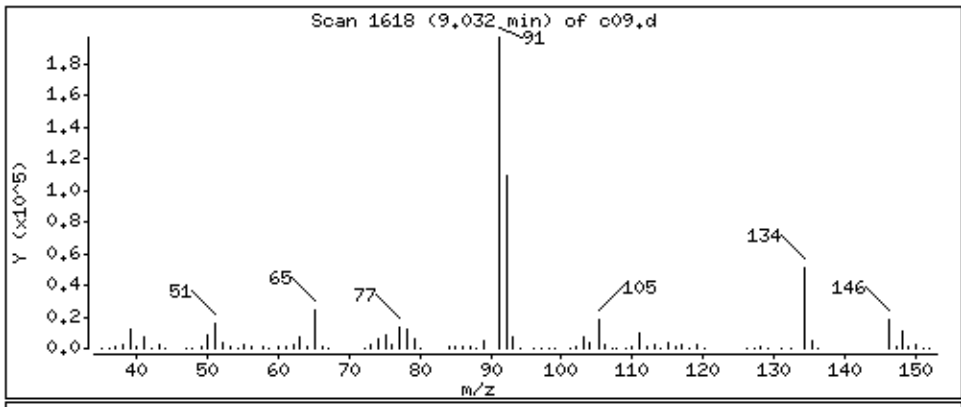
Column phase: DB-624

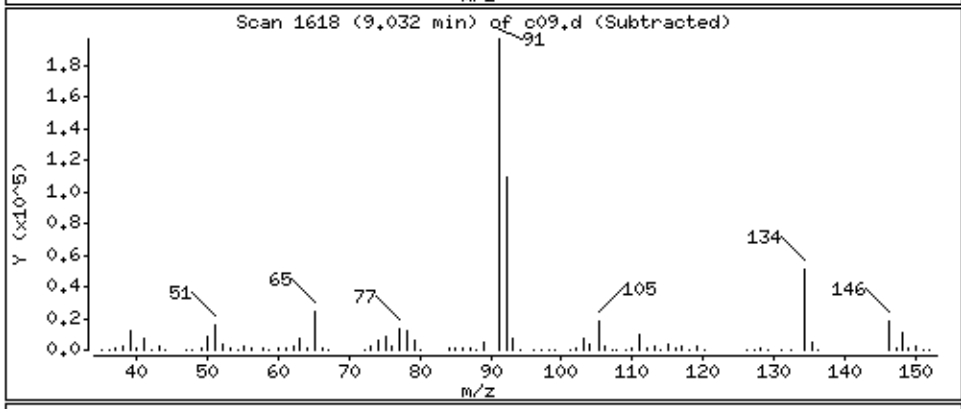
Column diameter: 0.18

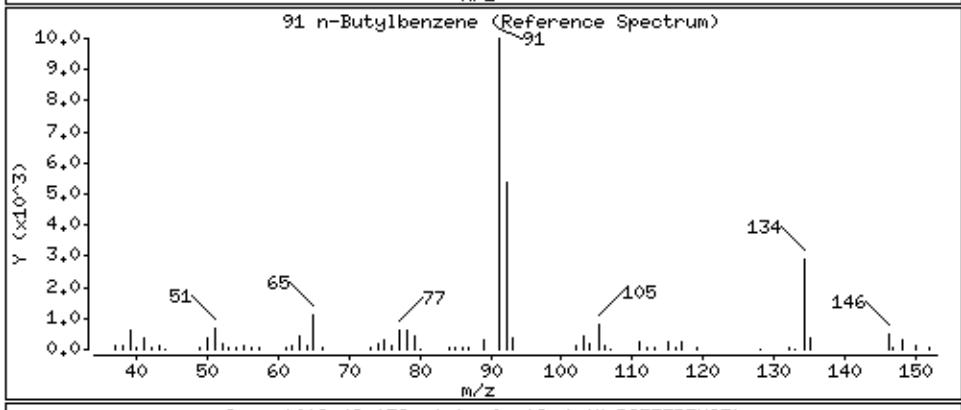
91 n-Butylbenzene

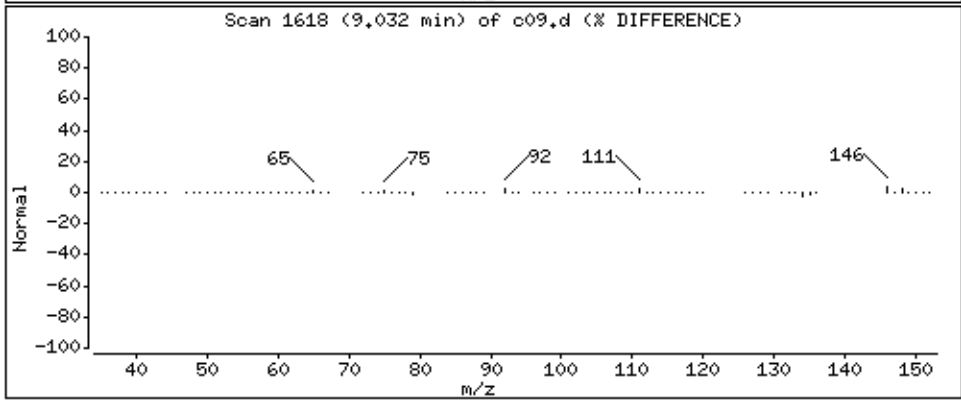
Concentration: 23.2 ppb

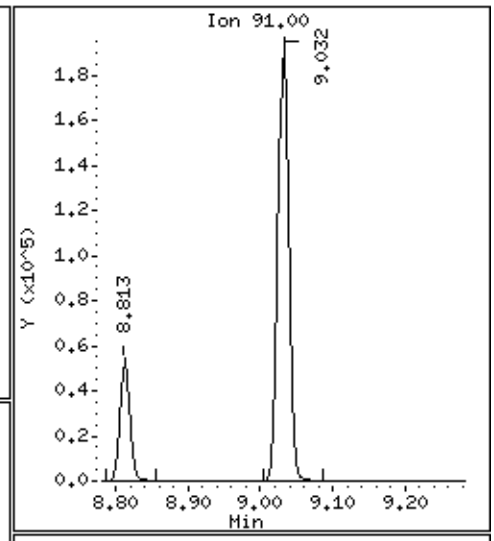
Review Code:

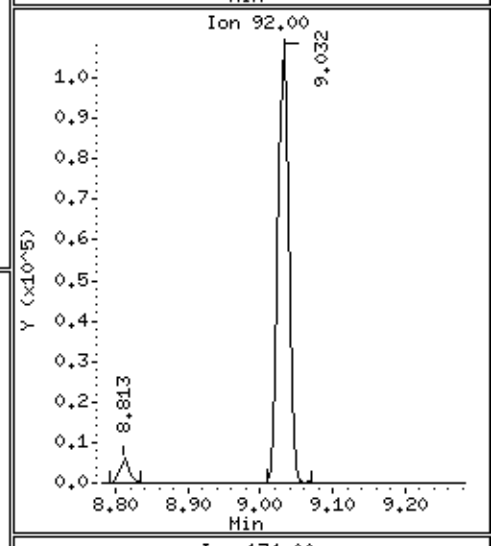


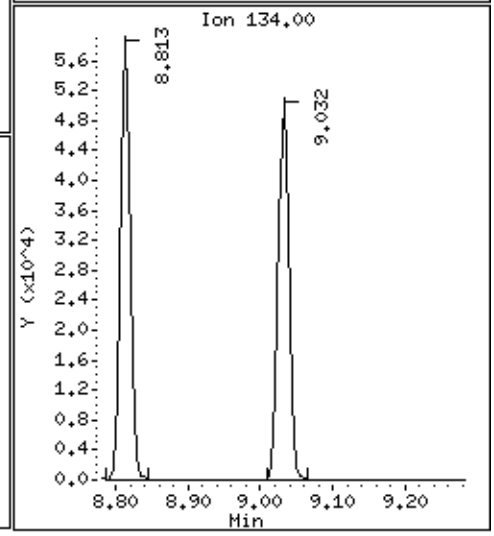












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

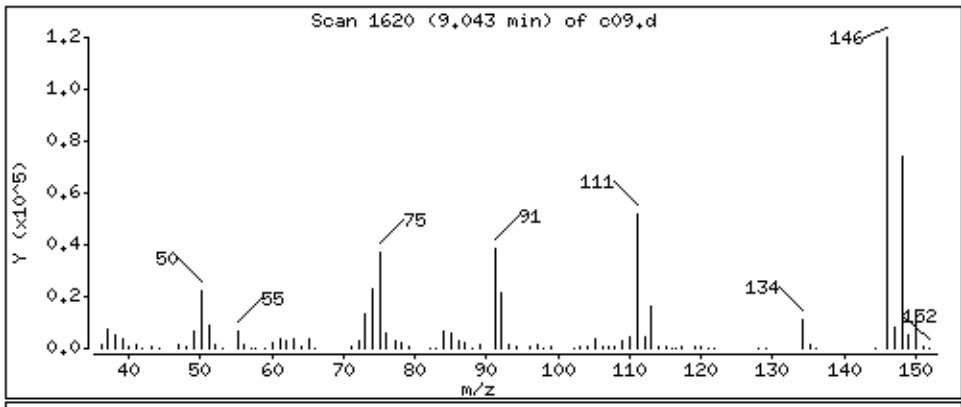
Column phase: DB-624

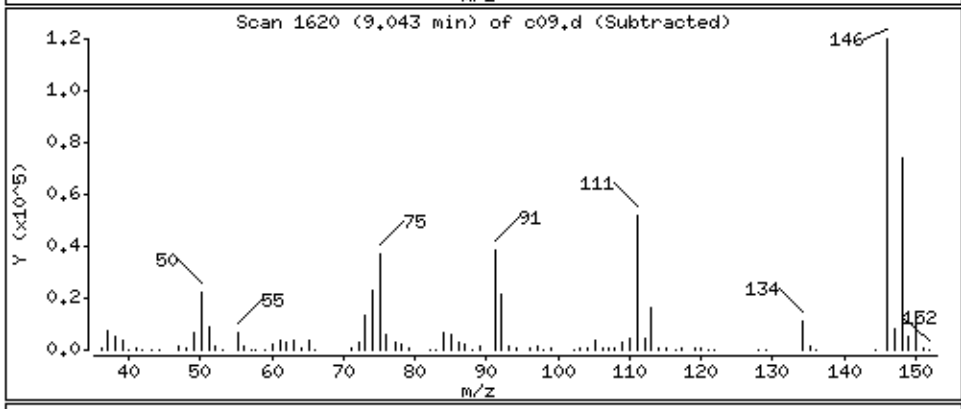
Column diameter: 0.18

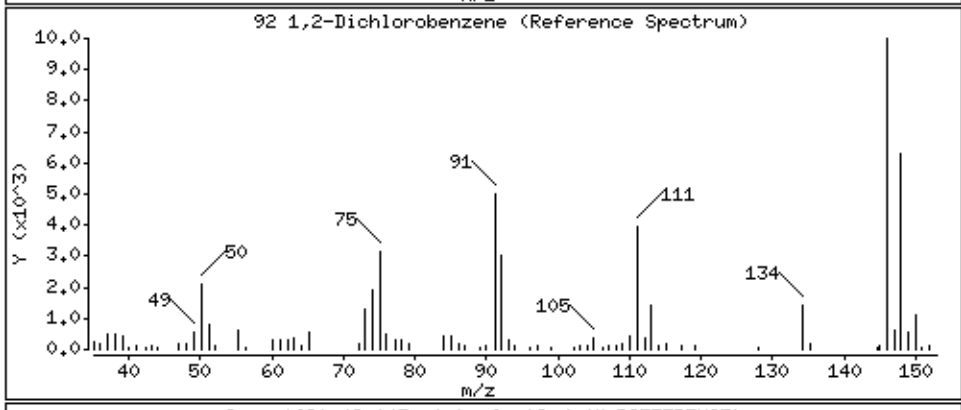
92 1,2-Dichlorobenzene

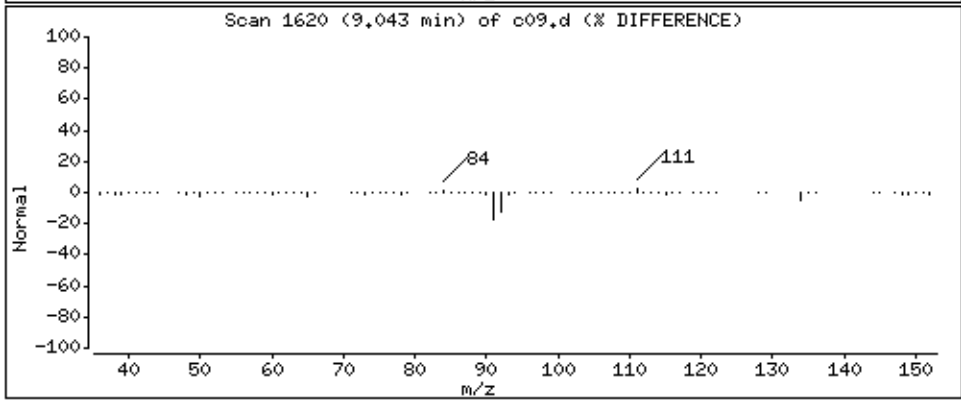
Concentration: 34.9 ppb

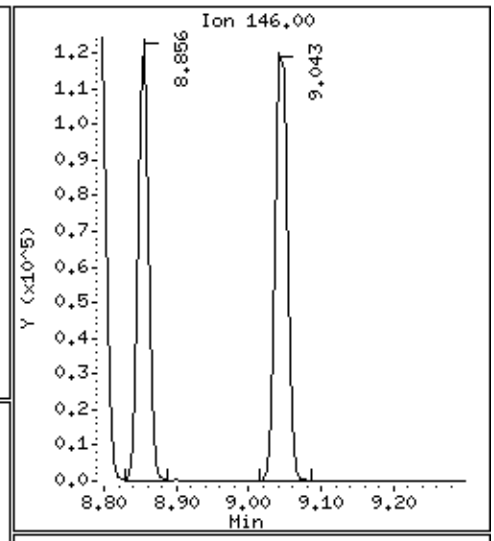
Review Code:

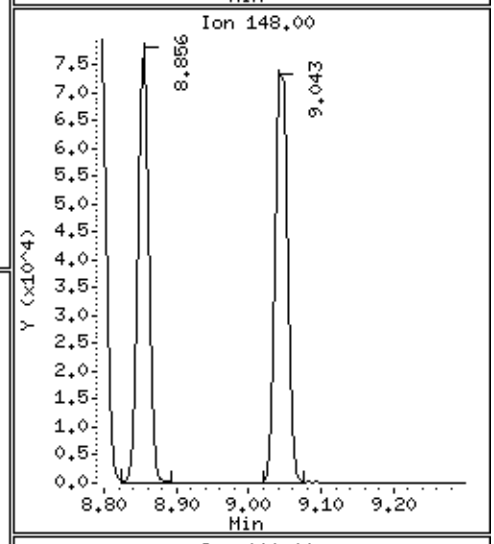


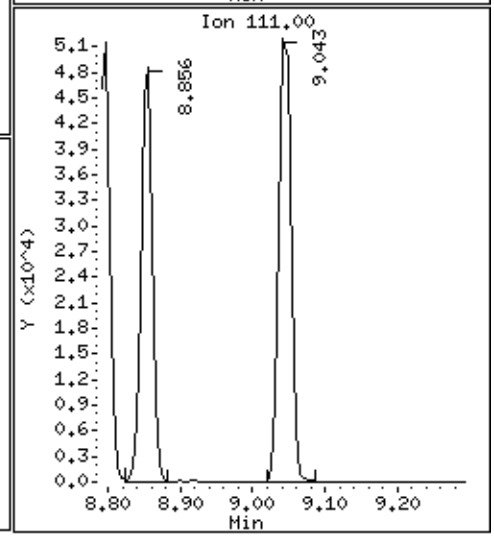












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

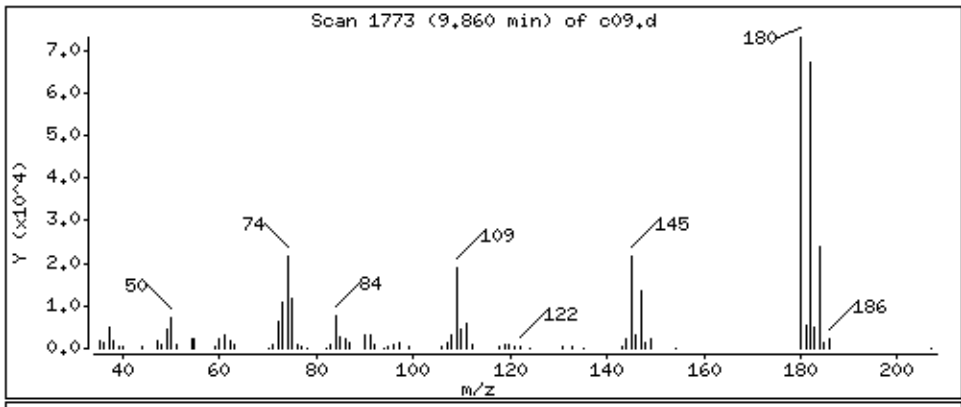
Column phase: DB-624

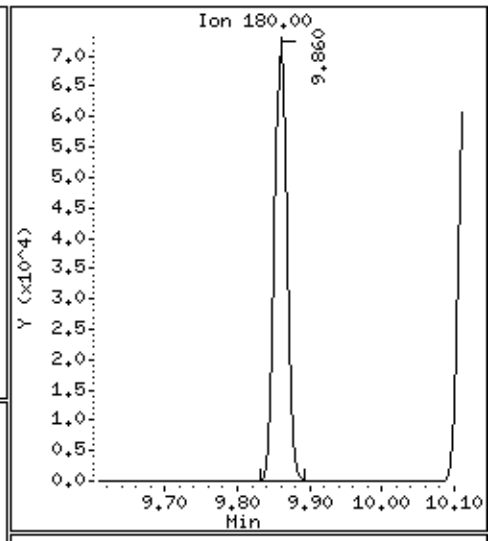
Column diameter: 0.18

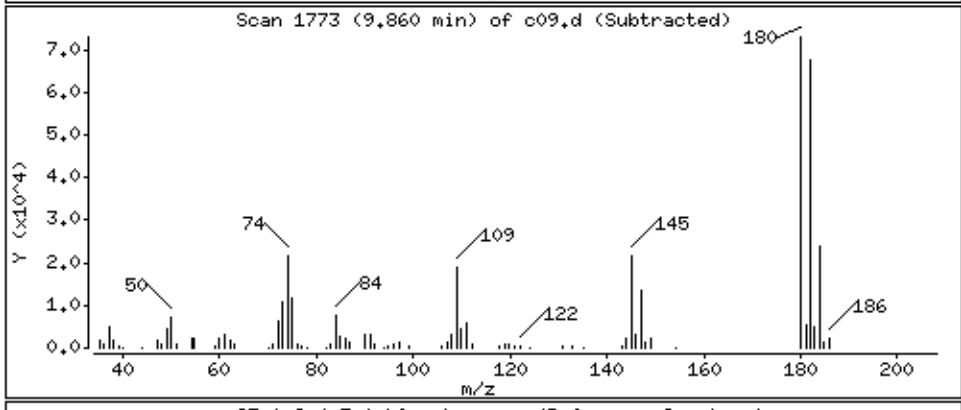
93 1,2,4-Trichlorobenzene

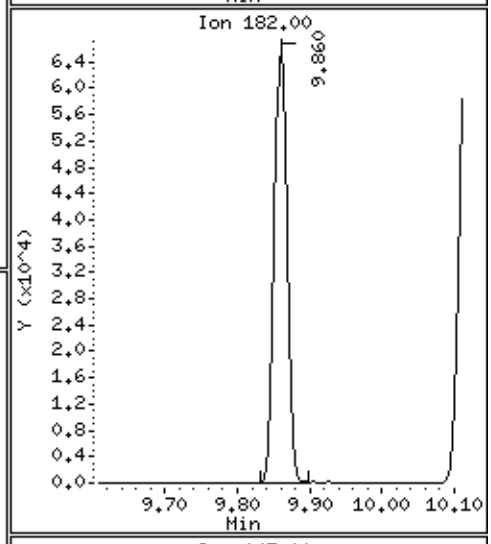
Concentration: 32.2 ppb

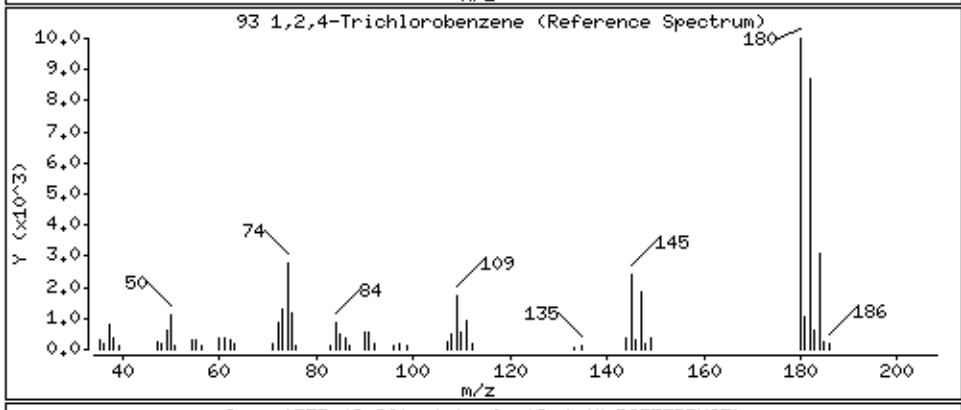
Review Code:

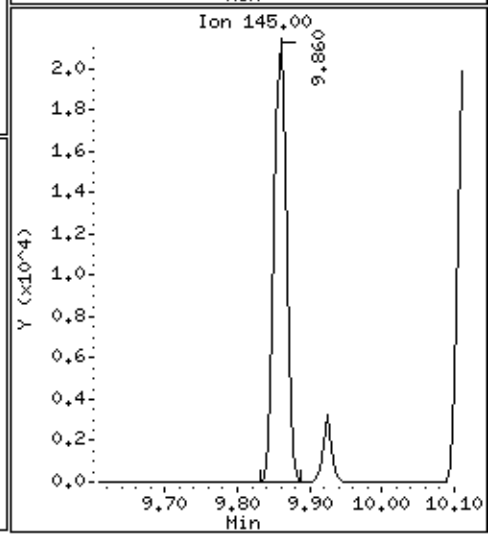


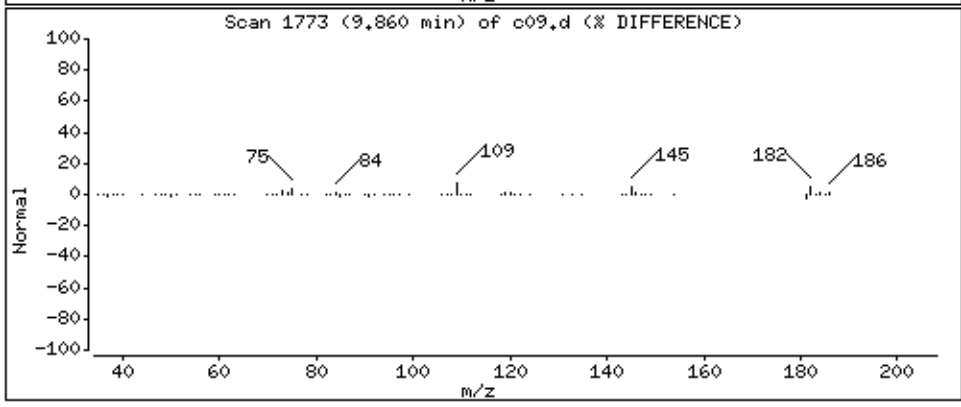












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

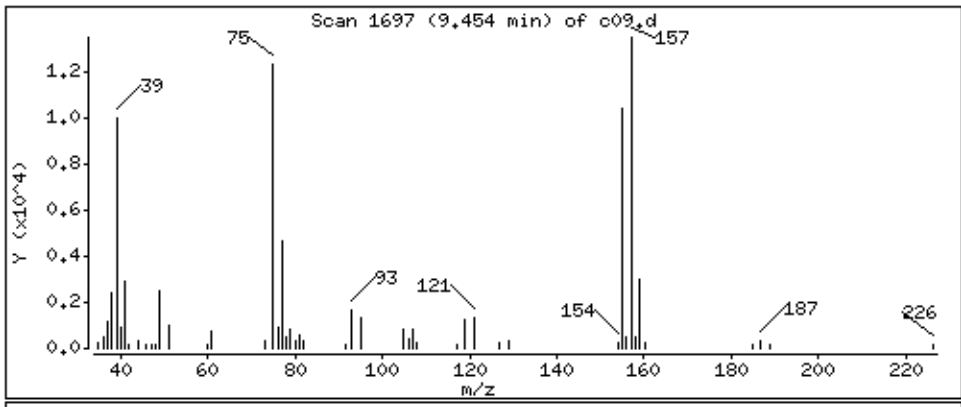
Column phase: DB-624

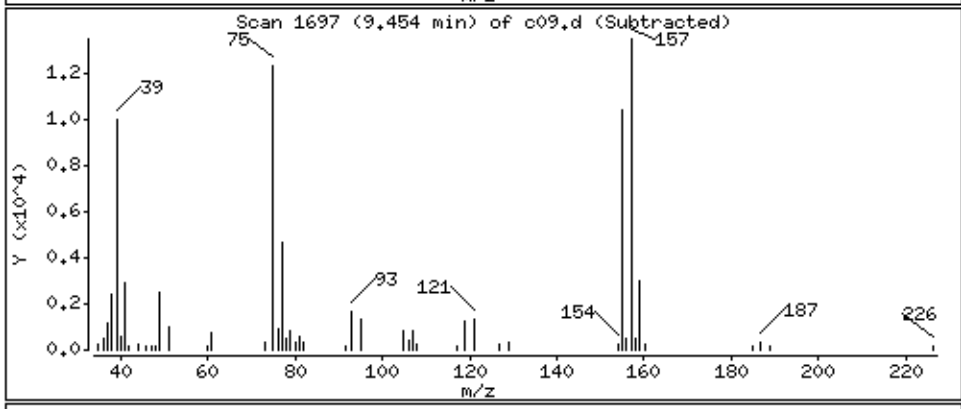
Column diameter: 0.18

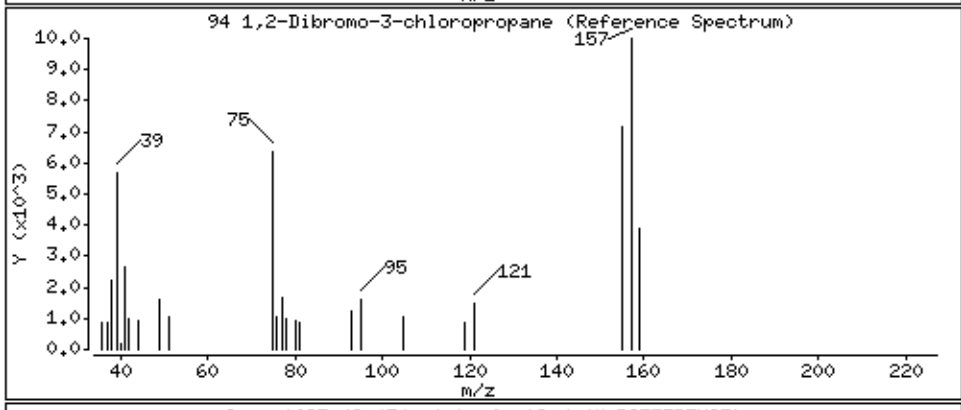
94 1,2-Dibromo-3-chloropropane

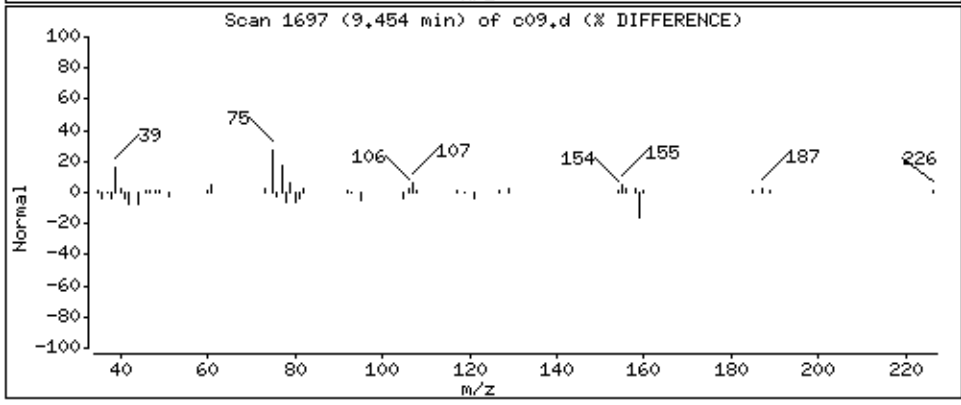
Concentration: 53.9 ppb

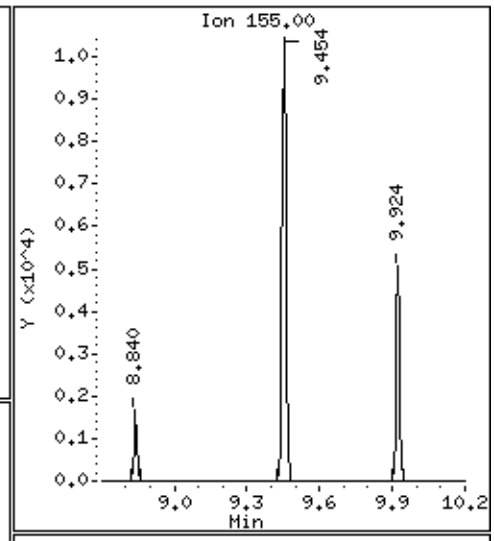
Review Code:

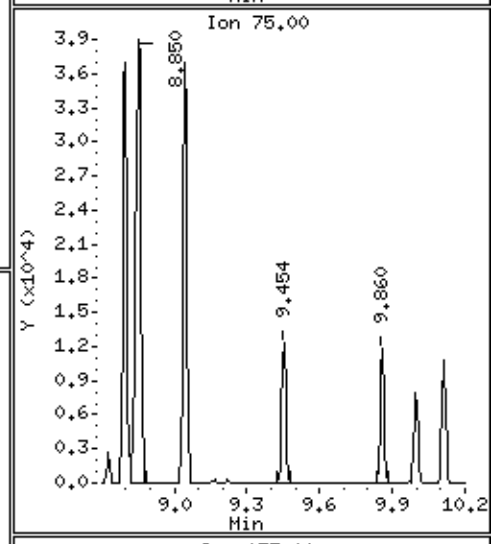


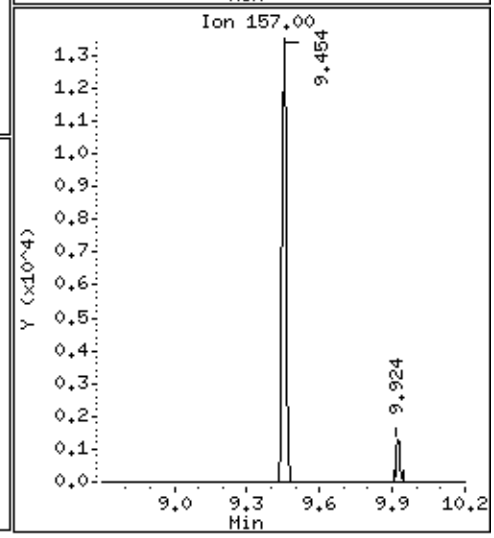












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Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

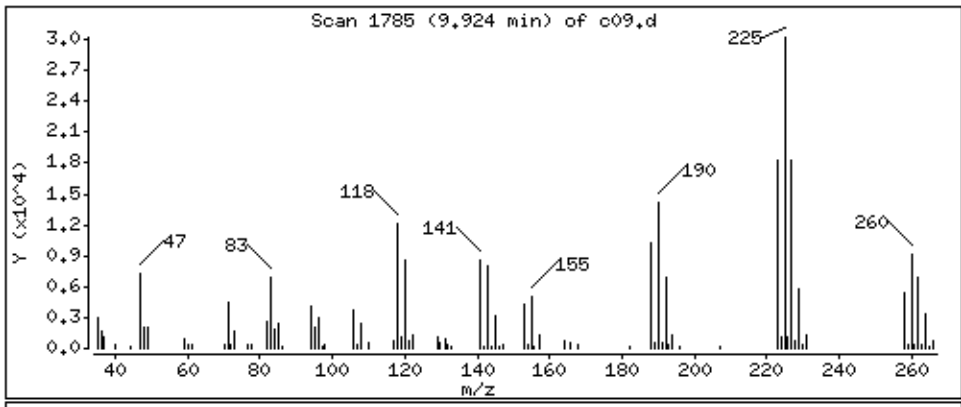
Column phase: DB-624

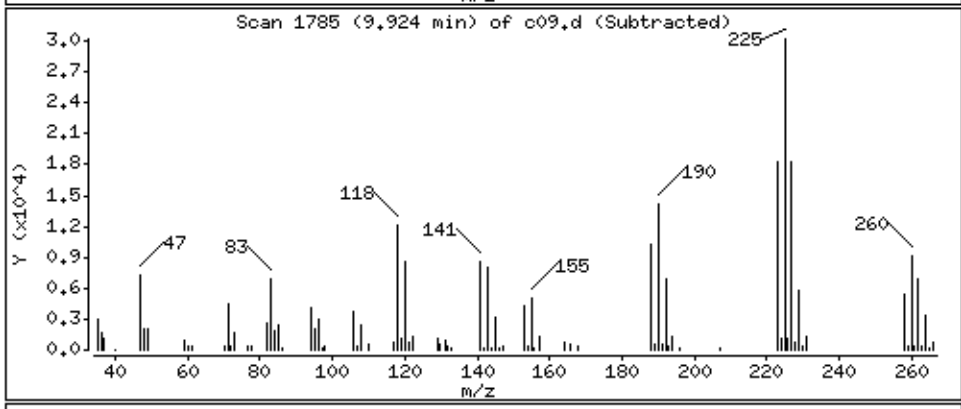
Column diameter: 0.18

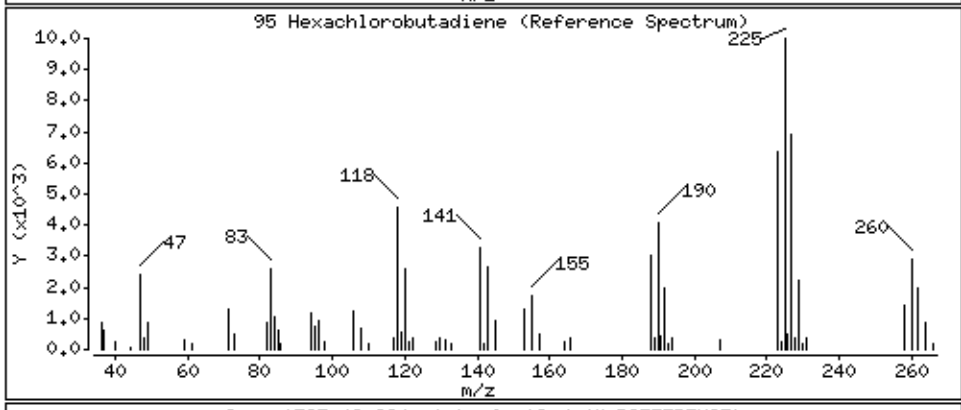
95 Hexachlorobutadiene

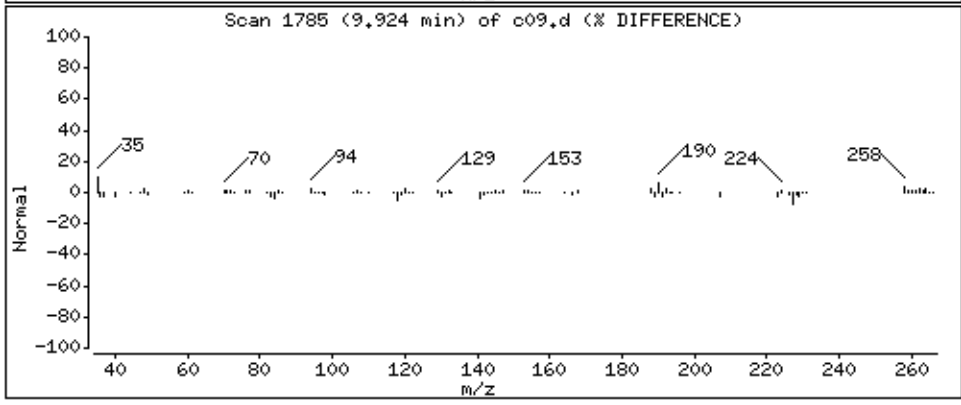
Concentration: 21.2 ppb

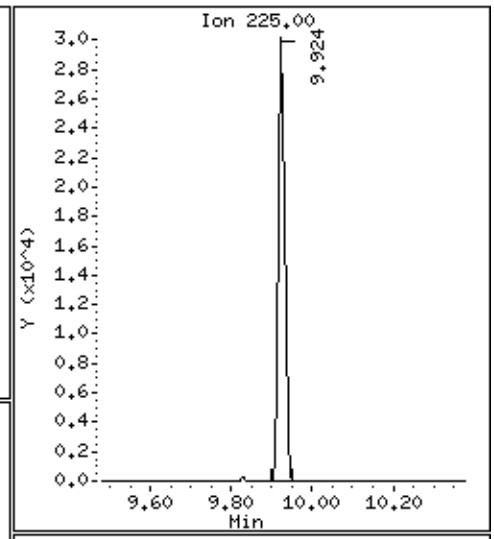
Review Code:

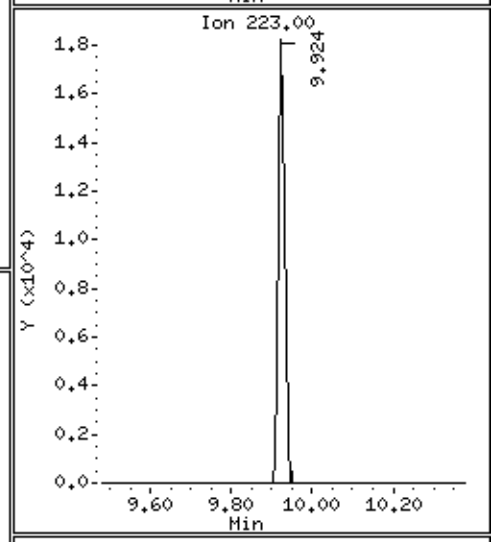


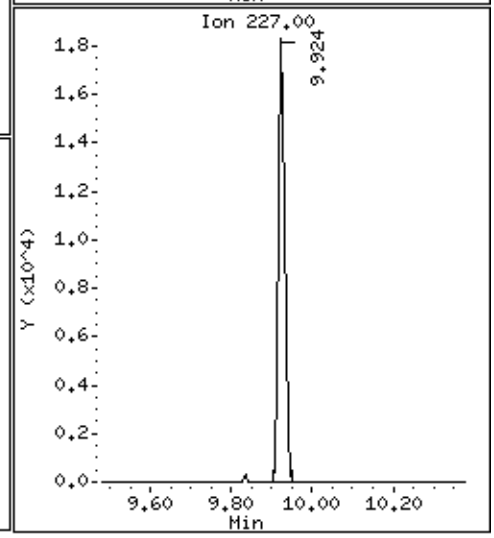












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

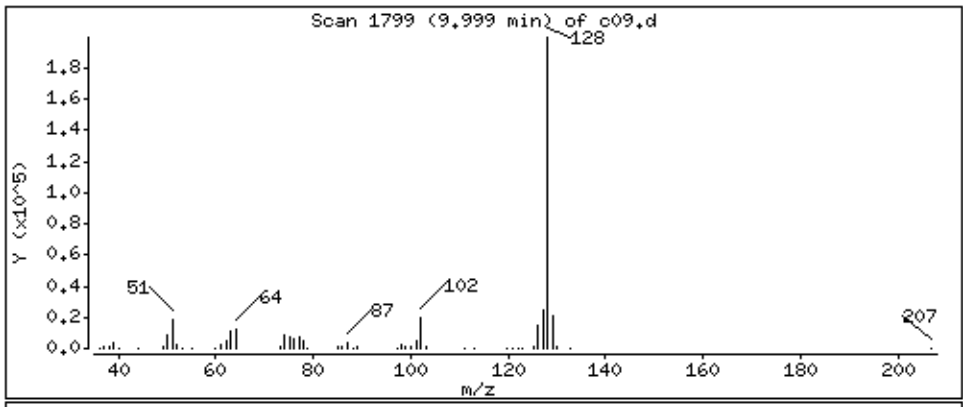
Column phase: DB-624

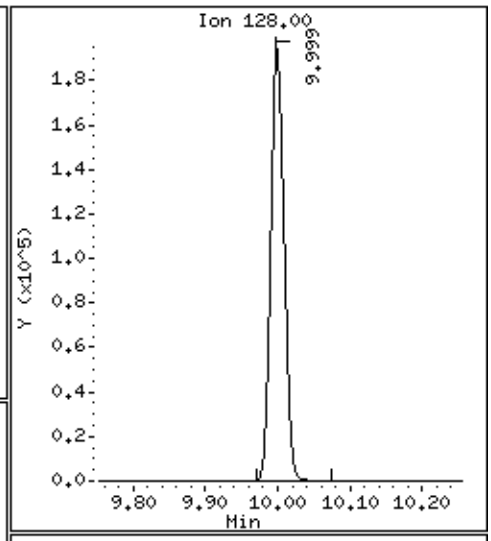
Column diameter: 0.18

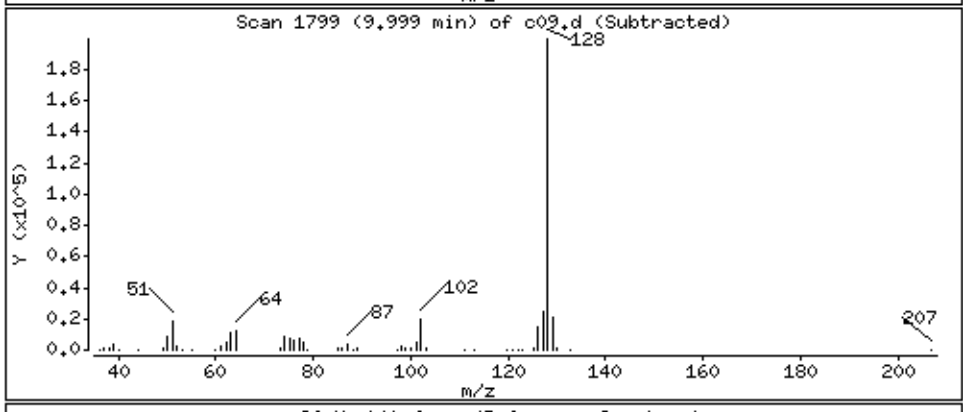
96 Naphthalene

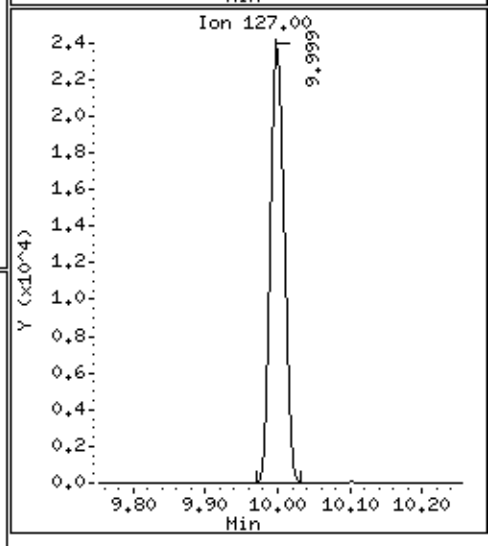
Concentration: 46.4 ppb

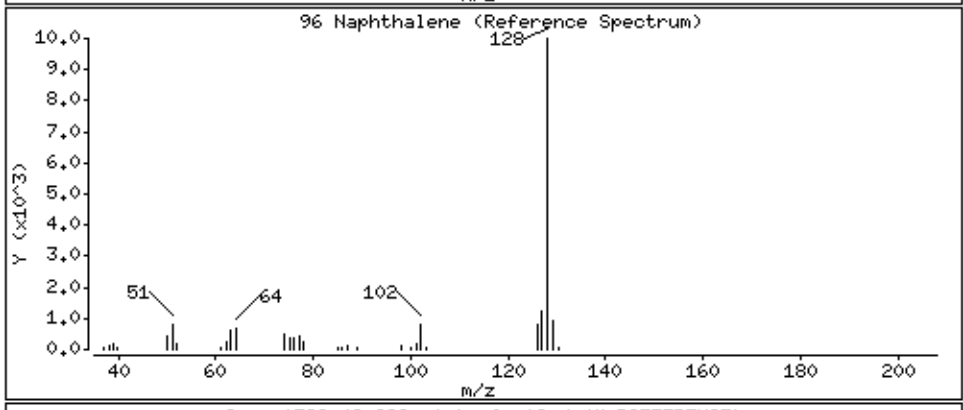
Review Code:

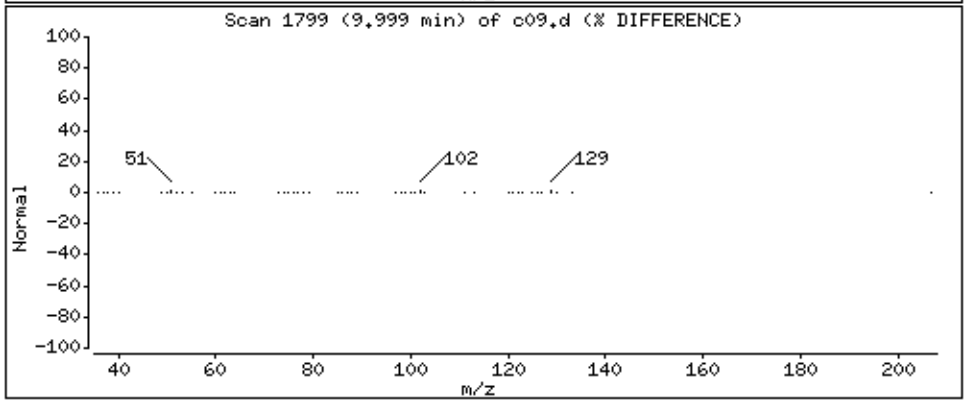












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

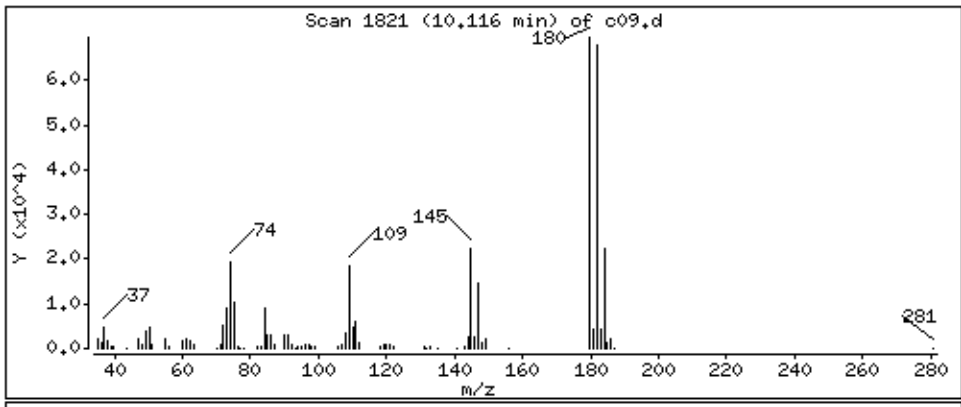
Column phase: DB-624

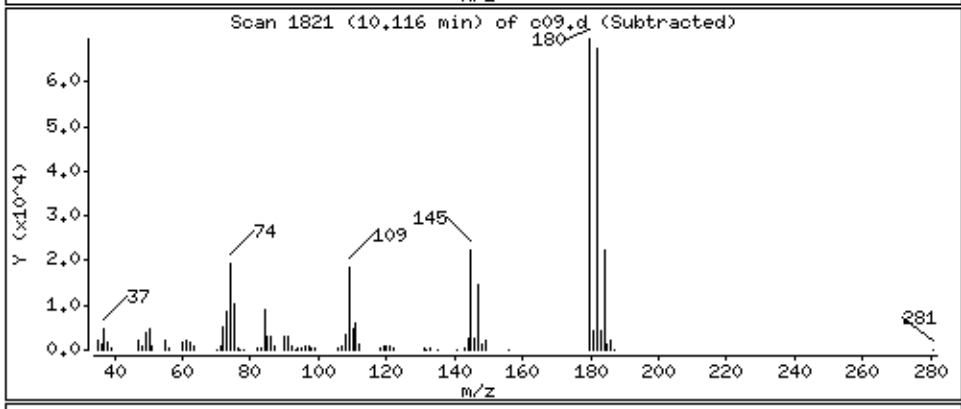
Column diameter: 0.18

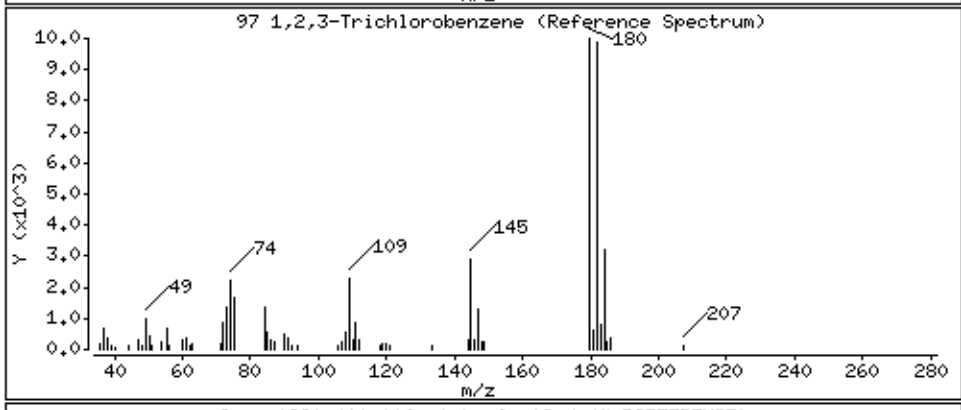
97 1,2,3-Trichlorobenzene

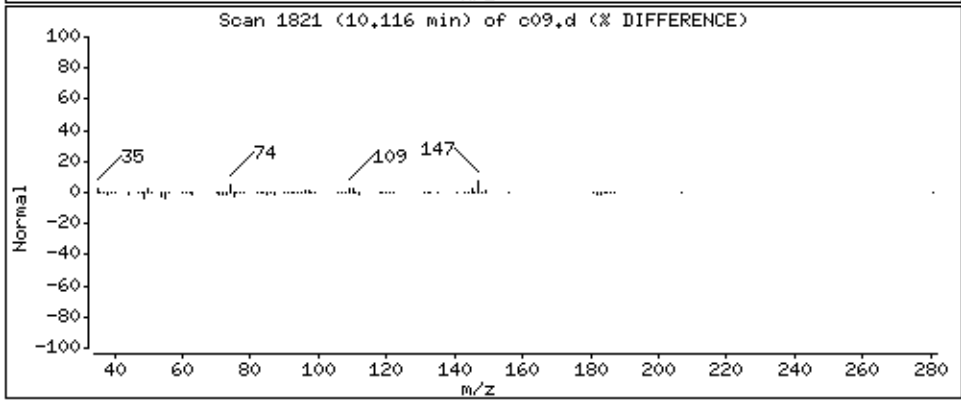
Concentration: 35.6 ppb

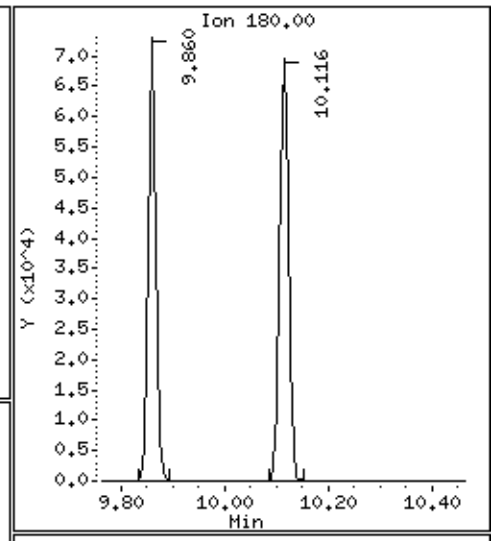
Review Code:

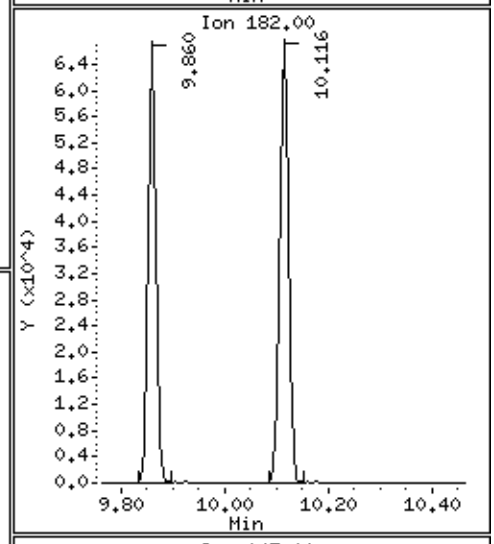


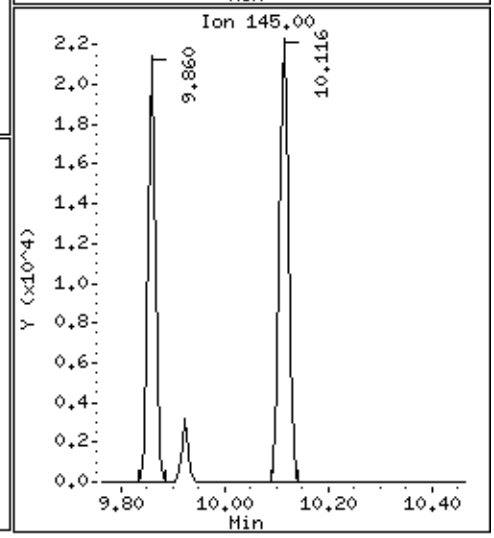












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

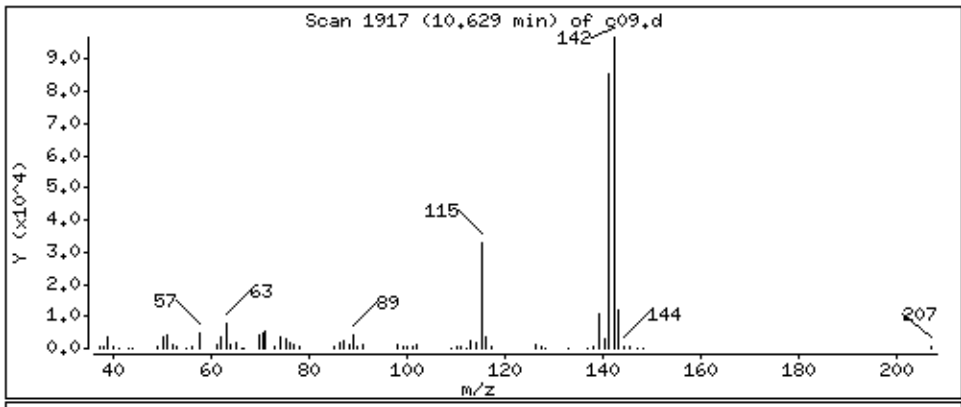
Column phase: DB-624

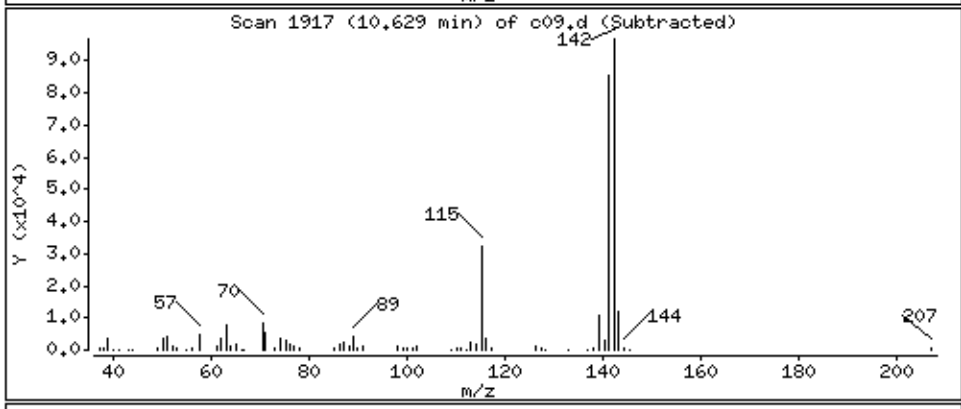
Column diameter: 0.18

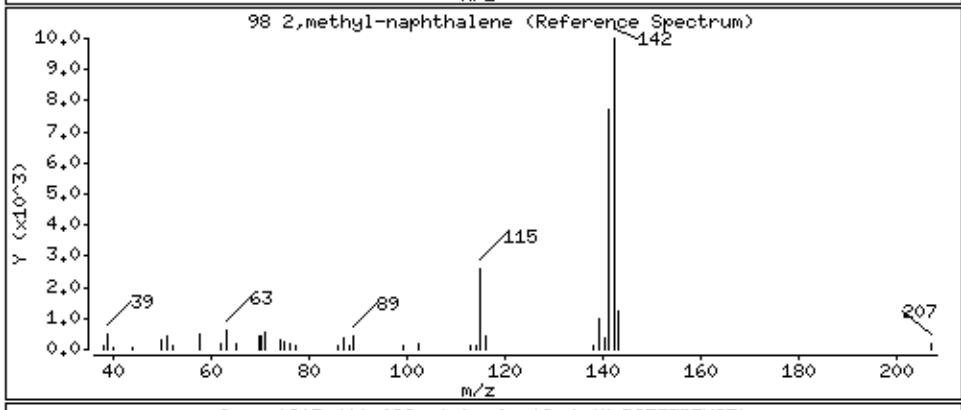
98 2,methyl-naphthalene

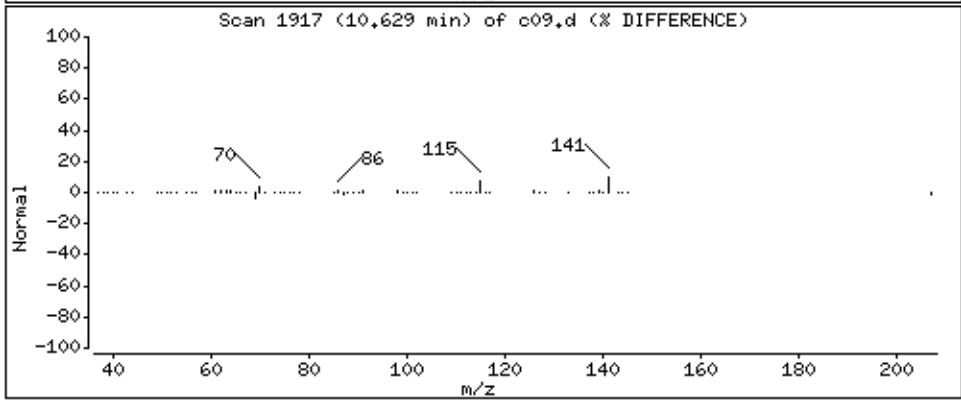
Concentration: 39.8 ppb

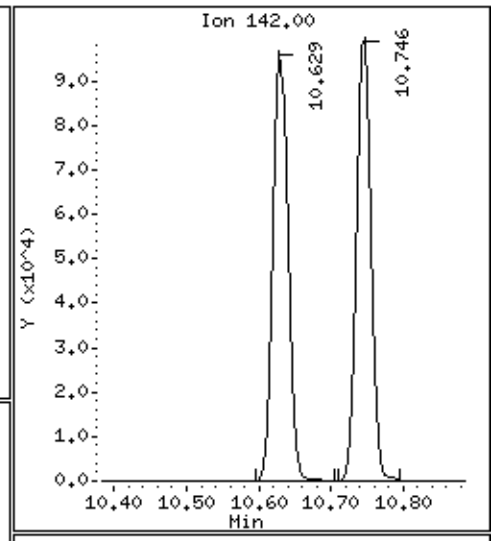
Review Code:

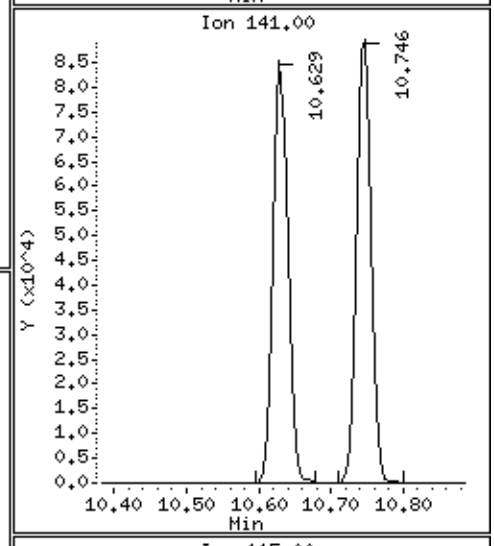


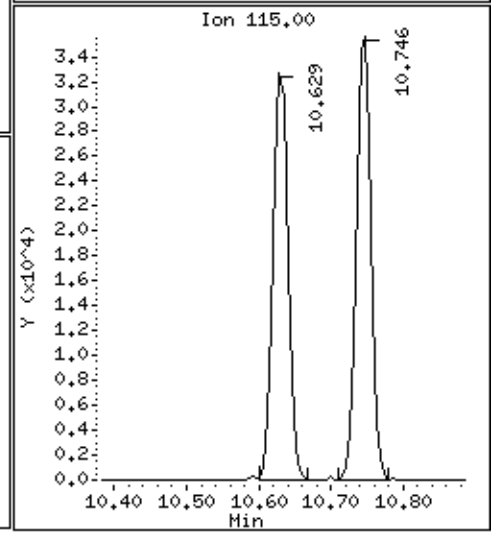












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b\c09.d

Date : 11-OCT-2016 02:04

Client ID: MW-0619-S1(092716)P

Instrument: 50mv3a.i

Sample Info: 1645432,132007:5

Purge Volume: 5.0

Operator: jlz

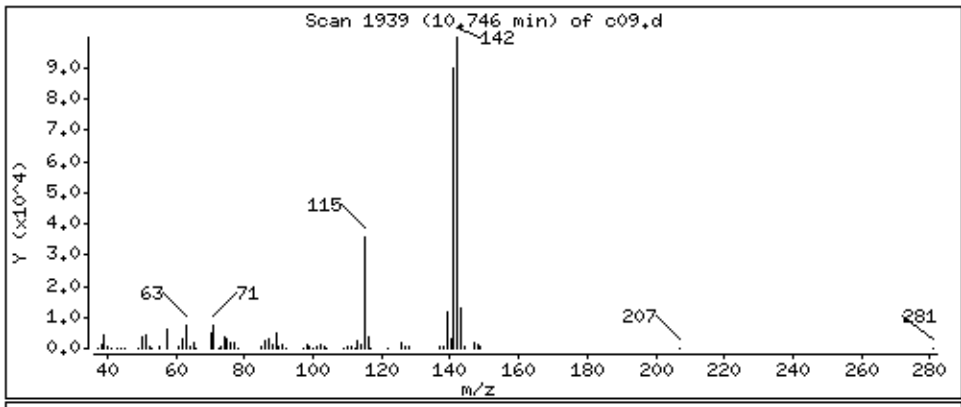
Column phase: DB-624

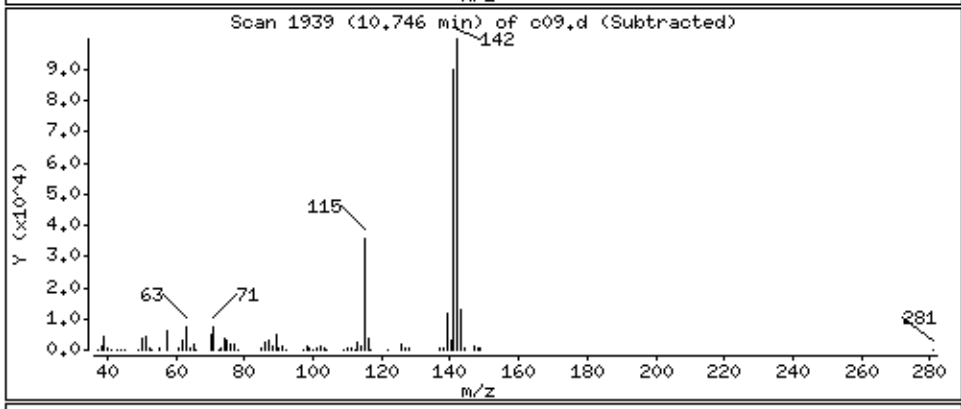
Column diameter: 0.18

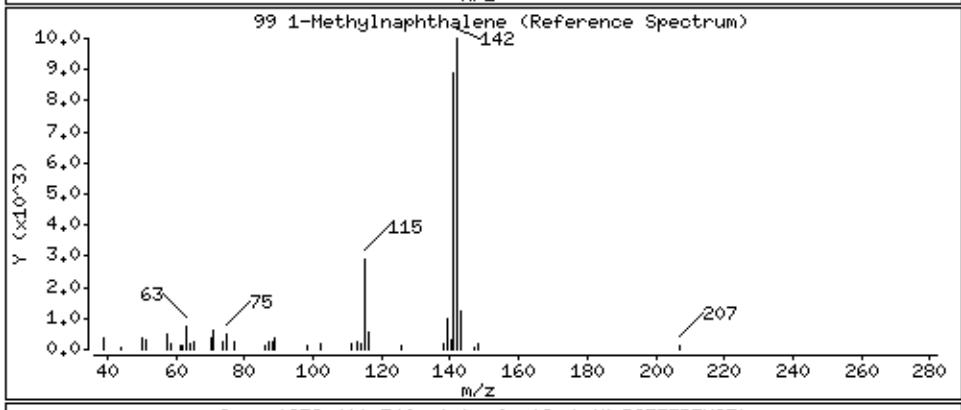
99 1-Methylnaphthalene

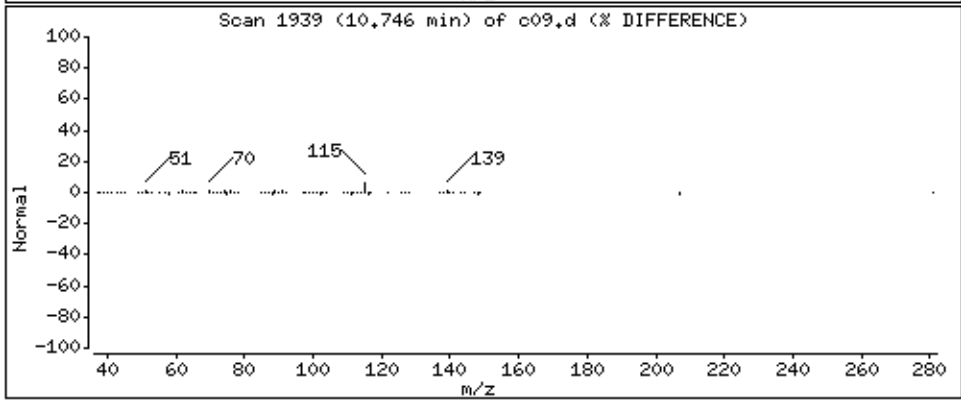
Concentration: 50.9 ppb

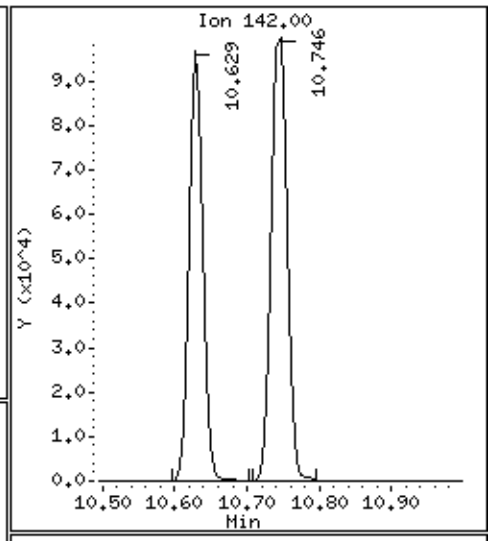
Review Code:

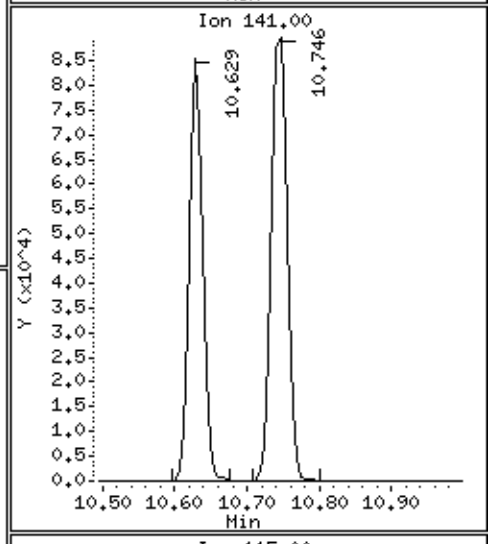


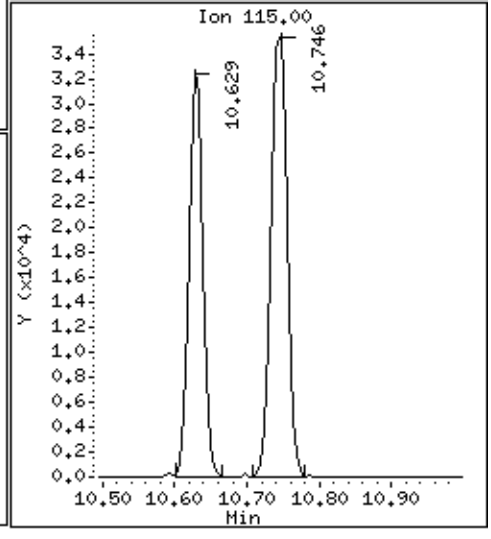












Data File: \\192.168.50.6\chem\50mv3a.i\a101016.b/c09.d
Injection Date: 11-OCT-2016 02:04
Instrument: 50mv3a.i
Lab Sample ID: 1645432
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 128045:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
										recenve D336 tapeck tailing
1/b00bfb.d	8260-TUNE,128586	L/93773	BFB	1	7	-bfb/all	8/16/16	10:04	jlz	
1/b01cal.d	8260-CAL1,128587	L/93773	CALIB_1	1	<2	-b8260_a_c/all	8/16/16	10:36	jlz	
1/b02cal.d	8260-CAL2,128588	L/93773	CALIB_2	1	<2	-b8260_a_c/all	8/16/16	11:08	jlz	
1/b03cal.d	8260-CAL3,128589	L/93773	CALIB_3	1	<2	-b8260_a_c/all	8/16/16	11:40	jlz	
1/b03calmqc.d	8260-CAL3,128589	L/93773	MQC	1	<2	-b8260_a_c/all	8/16/16	11:40	jlz	
1/b04cal.d	8260-CAL4,128590	L/93773	CALIB_4	1	<2	-b8260_a_c/all	8/16/16	12:12	jlz	
1/b05cal.d	8260-CAL5,128591	L/93773	CALIB_5	1	<2	-b8260_a_c/all	8/16/16	12:44	jlz	
1/b06cal.d	8260-CAL6,128592	L/93773	CALIB_6	1	<2	-b8260_a_c/all	8/16/16	13:16	jlz	
1/b07cal.d	8260-CAL7,128593	L/93773	CALIB_7	1	<2	-b8260_a_c/all	8/16/16	13:48	jlz	
1/b08cal.d	8260-CAL8,128594	L/93773	CALIB_8	1	<2	-b8260_a_c/all	8/16/16	14:20	jlz	
1/b09.d	blank	L/93773	SAMPLE	1	<2	-b8260_a_c/all	8/16/16	14:53	jlz	
1/b10icv.d	8260-ICV,128595:	L/93773	ICV	1	<2	-b8260_a_c/all	8/16/16	15:25	jlz	
1/d00bfb.d	8260-TUNE,128586	L/93773	BFB	1	7	-bfb/all	8/16/16	15:57	jlz	
1/d01ccv.d	8260-CCV,128482:	L/93773	CCALIB_6	1	7	-b8260_a_c/all	8/16/16	16:29	jlz	
1/d02lcss.d	1606293,128398:5	S/93786	LCS	1		-b8260_a_c/all	8/16/16	17:01	jlz	
1/d03mbs.d	1606292	S/93786	BLANK	1		-b8260_a_c/all	8/16/16	17:33	jlz	
1/d04lcsm.d	lcs,128398:5	S/93786	LCS	1		-b8260_a_c/all	8/16/16	18:05	jlz	
1/d05mbm.d	mb	S/93786	BLANK	1		-b8260_a_c/all	8/16/16	18:37	jlz	
1/d06.d	50151727004	S/93786	SAMPLE	1		-b8260_a_c/ust	8/16/16	19:09	jlz	
1/d07.d	50151727005	S/93786	SAMPLE	1		-b8260_a_c/ust	8/16/16	19:41	jlz	
1/d08.d	1606294,128398:5	S/93786	MS	1		-b8260_a_c/ust	8/16/16	20:13	jlz	
1/d09.d	1606295,128398:5	S/93786	MSD	1		-b8260_a_c/ust	8/16/16	20:45	jlz	
1/d10.d	50151727006	S/93786	SAMPLE	1		-b8260_a_c/ust	8/16/16	21:17	jlz	
1/d11.d	50151727001x25	S/93786	SAMPLE	25		-b8260_a_c/ust	8/16/16	21:50	jlz	D3
1/d12.d	50151727002x25	S/93786	SAMPLE	25		-b8260_a_c/ust	8/16/16	22:22	jlz	D3
1/d13.d	50151727003x25	S/93786	SAMPLE	25		-b8260_a_c/ust	8/16/16	22:54	jlz	D3
1/d14.d	50151751001x100	S/93786	SAMPLE	100		-b8260_a_c/ust	8/16/16	23:26	jlz	D4 TEMPO RR 2500x
1/d15.d	50151751002x25	S/93786	SAMPLE	25		-b8260_a_c/ust	8/16/16	23:58	jlz	OD RR1x
1/d16.d	50151751003x50	S/93786	SAMPLE	50		-b8260_a_c/ust	8/17/16	00:30	jlz	D4 TEMPO RR1000x
1/d17.d	50151751004x25	S/93786	SAMPLE	25		-b8260_a_c/ust	8/17/16	01:02	jlz	OD RR1x
1/d18.d	50151751005x50	S/93786	SAMPLE	50		-b8260_a_c/ust	8/17/16	01:34	jlz	D4 TT RR500x
1/d19.d	50151751007x50	S/93786	SAMPLE	50		-b8260_a_c/ust	8/17/16	02:06	jlz	OD RR1x
1/d20.d	50151751008x25	S/93786	SAMPLE	25		-b8260_a_c/ust	8/17/16	02:38	jlz	D4

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3b.i\b081616cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 11:18 08/17/2016

8-17-16

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 128045:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d21.d	1606282,128398:5	S/93784	MS	1		-b8260_a_c/all	8/17/16	03:10	jlz	
1/d22.d	1606283,128398:5	S/93784	MSD	1		-b8260_a_c/all	8/17/16	03:42	jlz	
1/d23.d	blank	L/	SAMPLE	1	<2	-b8260_a_c/all	8/17/16	04:14	jlz	Not used

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3b.i\b081616cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 11:18 08/17/2016

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 130469:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a0000bfb.d	8260-TUNE,130471	L/93772	BFB	1	7	-bfb/all	9/28/16	13:05	jlz	IS + QC failure filament 2 gain BAD
1/a0001ccv.d	8260-CCV,131641:	L/93772	CCALIB_6	1	7	-a8260_a_c/all	9/28/16	13:37	jlz	
1/a0002lcsw.d	1636375,131640:5	L/95248	LCS	1	7	-a8260_a_c/130726:5	9/28/16	14:09	jlz	
1/a0003mbw.d	1636374	L/95248	BLANK	1	7	-a8260_a_c/all	9/28/16	14:41	jlz	
1/a001ccv.d	8260-CCV,131641:	L/93772	CCALIB_6	1	7	-a8260_a_c/all	9/28/16	15:22	jlz	
1/a002lcsw.d	lcs,131640:5	L/	LCS	1	7	-a8260_a_c/all	9/28/16	15:54	jlz	
1/a003mbw.d	1636374	L/95248	BLANK	1	7	-a8260_a_c/all	9/28/16	16:27	jlz	
1/a00awake.d	awake	L/	SAMPLE	1	<2	-a8260_a_c/all	9/28/16	17:26	jlz	Switch to filament 1
1/a00bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	9/28/16	17:58	jlz	TUNE + CURVE
1/a01cal.d	8260-CAL1,131976	L/95280	CALIB_1	1	<2	-a8260_a_c/all	9/28/16	18:30	jlz	
1/a02cal.d	8260-CAL2,131977	L/95280	CALIB_2	1	<2	-a8260_a_c/all	9/28/16	19:03	jlz	
1/a03cal.d	8260-CAL3,131978	L/95280	CALIB_3	1	<2	-a8260_a_c/all	9/28/16	19:34	jlz	
1/a03calmqc.d	8260-CAL3,131978	L/95280	MQC	1	<2	-a8260_a_c/all	9/28/16	19:34	jlz	
1/a04cal.d	8260-CAL4,131979	L/95280	CALIB_4	1	<2	-a8260_a_c/all	9/28/16	20:06	jlz	
1/a05cal.d	8260-CAL5,131980	L/95280	CALIB_5	1	<2	-a8260_a_c/all	9/28/16	20:39	jlz	
1/a06cal.d	8260-CAL6,131981	L/95280	CALIB_6	1	<2	-a8260_a_c/all	9/28/16	21:11	jlz	
1/a07cal.d	8260-CAL7,131982	L/95280	CALIB_7	1	<2	-a8260_a_c/all	9/28/16	21:43	jlz	
1/a08cal.d	8260-CAL8,131983	L/95280	CALIB_8	1	<2	-a8260_a_c/all	9/28/16	22:15	jlz	
1/a09.d	blank	L/	SAMPLE	1	<2	-a8260_a_c/all	9/28/16	22:47	jlz	
1/a10icv.d	8260-ICV,131984:	L/95280	ICV	1	<2	-a8260_a_c/all	9/28/16	23:19	jlz	
1/c00bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	9/28/16	23:51	jlz	
1/c01ccv.d	8260-CCV,131641:	L/95280	CCALIB_6	1	7	-a8260_a_c/all	9/29/16	00:23	jlz	
1/c02lcsw.d	lcs,131640:5	L/	LCS	1	7	-a8260_a_c/all	9/29/16	00:55	jlz	
1/c03mbw.d	mb	L/	BLANK	1	7	-a8260_a_c/all	9/29/16	01:27	jlz	
1/c04lcss.d	lcs,131640:5	S/	LCS	1		-a8260_a_c/all	9/29/16	01:59	jlz	
1/c05mbs.d	mb	S/	BLANK	1		-a8260_a_c/all	9/29/16	02:31	jlz	
1/c06lcsm.d	lcs,131640:5	S/	LCS	1		-a8260_a_c/all	9/29/16	03:03	jlz	
1/c07mbm.d	mb	S/	BLANK	1		-a8260_a_c/all	9/29/16	03:35	jlz	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\a092816cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 11:53 09/29/2016

9-29-16

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 130469:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	10/06/16	11:56	jlz	
1/a01ccv.d	8260-CCV,132273:	L/95280	CCALIB_6	1	7	-a8260_a_c/all	10/06/16	12:28	jlz	
1/a02lcss.d	1642740,132007:5	S/95582	LCS	1		-a8260_a_c/all	10/06/16	13:00	jlz	
1/a03mbs.d	1642739	S/95582	BLANK	1		-a8260_a_c/all	10/06/16	13:32	jlz	
1/a04.d TC-	50155658011	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	14:04	jlz	
1/a05.d	50155658012	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	14:36	jlz	
1/a06.d	50155658013	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	15:08	jlz	
1/a07.d	50155658014	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	15:41	jlz	
1/a08.d	50155658015	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	16:13	jlz	
1/a09.d	50155658016	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	16:45	jlz	
1/a10.d	50155658017	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	17:17	jlz	
1/a11.d	50155658018	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	17:49	jlz	
1/a12.d	50155658019	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	18:21	jlz	
1/a13.d	50155658020	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	18:53	jlz	
1/a14.d	50155658021	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	19:25	jlz	
1/a15.d	50155658022	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	19:57	jlz	
1/a16.d	50155658023	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	20:29	jlz	
1/a17.d	50155658024	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	21:01	jlz	
1/a18.d	50155658025	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	21:33	jlz	
1/a19.d	50155658026	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	22:05	jlz	
1/a20.d	50155500004	S/95582	SAMPLE	1		-a8260_a_c/all	10/06/16	22:37	jlz	
1/a21.d	1642741,132007:5	S/95582	MS	1		-a8260_a_c/all	10/06/16	23:09	jlz	Not spiked ll
1/a22.d	1642742,132007:5	S/95582	MSD	1		-a8260_a_c/all	10/06/16	23:41	jlz	
1/c00bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	10/07/16	00:13	jlz	
1/c01ccv.d	8260-CCV,132273:	L/95280	CCALIB_6	1	7	-a8260_a_c/all	10/07/16	00:45	jlz	
1/c02lcsw.d	1642765,132007:5	L/95584	LCS	1	7	-a8260_a_c/all	10/07/16	01:17	jlz	
1/c03mbw.d	1642764	L/95584	BLANK	1	7	-a8260_a_c/all	10/07/16	01:49	jlz	
1/c04lcss.d	lcs,132007:5	S/	LCS	1		-a8260_a_c/all	10/07/16	02:21	jlz	
1/c05mbs.d	mb	L/	BLANK	1	7	-a8260_a_c/all	10/07/16	02:53	jlz	
1/c06.d W	50155366028	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	03:25	jlz	
1/c07.d	50155366029	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	03:57	jlz	
1/c08.d	50155366030	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	04:29	jlz	
1/c09.d	50155366031	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	05:01	jlz	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\a100616.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:19 10/07/2016

AE 10-7-16

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot:
Tune std: _____

Method:

Surr. lot: 130469:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c10.d	50155366032	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	05:33	jlz	
1/c11.d	1642766,132007:5	L/95584	MS	1	<2	-a8260_a_c/all	10/07/16	06:05	jlz	
1/c12.d	1642767,132007:5	L/95584	MSD	1	<2	-a8260_a_c/all	10/07/16	06:37	jlz	
1/c13.d	50155366033	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	07:09	jlz	
1/c14.d	50155366034	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	07:41	jlz	
1/c15.d	50155366035x10	L/95584	SAMPLE	10	<2	-a8260_a_c/all	10/07/16	08:13	jlz	
1/c16.d	50155366036	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	08:45	jlz	
1/c17.d	50155366037	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	09:17	jlz	
1/c18.d	50155366038	L/95584	SAMPLE	1	<2	-a8260_a_c/all	10/07/16	09:49	jlz	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\a100616.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:19 10/07/2016

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 130469:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,131975	L/95281	BFB	1	7	-bfb/all	10/06/16	12:12	jlz	
1/b01ccv.d	8260-CCV,132273:	L/95281	CCALIB_6	1	7	-b8260_a_c/all	10/06/16	12:44	jlz	
1/b02lcsw.d	1642750,132007:5	L/95583	LCS	1	7	-b8260_a_c/all	10/06/16	13:16	jlz	
1/b03mbw.d	1642749	L/95583	BLANK	1	7	-b8260_a_c/all	10/06/16	13:48	jlz	
1/b04.d w	50155366001	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	14:20	jlz	
1/b05.d	50155366002	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	14:52	jlz	
1/b06.d	50155366003	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	15:24	jlz	
1/b07.d	50155366004	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	15:56	jlz	
1/b08.d	50155366005	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	16:29	jlz	
1/b09.d	50155366006	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	17:00	jlz	
1/b10.d	50155366007	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	17:33	jlz	
1/b11.d	50155366008	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	18:05	jlz	
1/b12.d	50155366009x10	L/95583	SAMPLE	10	<2	-b8260_a_c/all	10/06/16	18:37	jlz	
1/b13.d	50155366010x10	L/95583	SAMPLE	10	<2	-b8260_a_c/all	10/06/16	19:09	jlz	
1/b14.d	50155366011x10	L/95583	SAMPLE	10	<2	-b8260_a_c/all	10/06/16	19:41	jlz	
1/b15.d	50155366012	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	20:13	jlz	
1/b16.d	50155366013	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	20:45	jlz	
1/b17.d	50155366014	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	21:17	jlz	
1/b18.d	50155366015	L/95583	SAMPLE	1	<2	-b8260_a_c/all	10/06/16	21:49	jlz	
1/b19.d	50155366016x10	L/95583	SAMPLE	10	<2	-b8260_a_c/all	10/06/16	22:21	jlz	
1/b20.d	50155366017x10	L/95583	SAMPLE	10	<2	-b8260_a_c/all	10/06/16	22:53	jlz	
1/b21.d	1642751,132007:5	L/95583	MS	1	<2	-b8260_a_c/all	10/06/16	23:25	jlz	
1/b22.d	1642752,132007:5	L/95583	MSD	1	<2	-b8260_a_c/all	10/06/16	23:57	jlz	
1/d00bfb.d	8260-TUNE,131975	L/95281	BFB	1	7	-bfb/all	10/07/16	00:29	jlz	
1/d01ccv.d	8260-CCV,132273:	L/95281	CCALIB_6	1	7	-b8260_a_c/all	10/07/16	01:01	jlz	
1/d02lcsw.d	1642781,132007:5	L/95585	LCS	1	7	-b8260_a_c/all	10/07/16	01:33	jlz	
1/d03mbw.d	1642780	L/95585	BLANK	1	7	-b8260_a_c/all	10/07/16	02:05	jlz	
1/d04lcss.d	lcs,132007:5	S/	LCS	1		-b8260_a_c/all	10/07/16	02:37	jlz	
1/d05mbs.d	mb	S/	BLANK	1		-b8260_a_c/all	10/07/16	03:09	jlz	
1/d06.d w	50155366018	L/95585	SAMPLE	1	<2	-b8260_a_c/all	10/07/16	03:41	jlz	
1/d07.d	50155366019	L/95585	SAMPLE	1	<2	-b8260_a_c/all	10/07/16	04:13	jlz	
1/d08.d	50155366020x10	L/95585	SAMPLE	10	<2	-b8260_a_c/all	10/07/16	04:45	jlz	
1/d09.d	50155366021x10	L/95585	SAMPLE	10	<2	-b8260_a_c/all	10/07/16	05:17	jlz	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3b.i\b100616.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:53 10/07/2016

Page: 1

10-7-16

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 130469:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d10.d	50155366022x10	L/95585	SAMPLE	10	<2	-b8260_a_c/all	10/07/16	05:49	jlz	
1/d11.d	50155366023	L/95585	SAMPLE	1	<2	-b8260_a_c/all	10/07/16	06:21	jlz	
1/d12.d	50155366024	L/95585	SAMPLE	1	<2	-b8260_a_c/all	10/07/16	06:53	jlz	
1/d13.d	50155366025x10	L/95585	SAMPLE	10	<2	-b8260_a_c/all	10/07/16	07:25	jlz	
1/d14.d	50155366026	L/95585	SAMPLE	1	<2	-b8260_a_c/all	10/07/16	07:57	jlz	
1/d15.d	50155366027x10	L/95585	SAMPLE	10	<2	-b8260_a_c/all	10/07/16	08:29	jlz	
1/d16.d	50155366039	L/95585	SAMPLE	1	<2	-b8260_a_c/all	10/07/16	09:01	jlz	
1/d17.d	1642782,132007:5	L/95585	MS	1	<2	-b8260_a_c/all	10/07/16	09:33	jlz	
1/d18.d	1642783,132007:5	L/95585	MSD	1	<2	-b8260_a_c/all	10/07/16	10:05	jlz	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3b.i\b100616.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:53 10/07/2016

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 130469:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	10/10/16	08:29	jlz	USE CCVRBSB to solve time
1/a01ccv-bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	10/10/16	09:01	jlz	
1/a01ccv.d	8260-CCV,132273:	L/95280	CCALIB_6	1	7	-a8260_a_c/all	10/10/16	09:01	jlz	
1/a02lcss.d	1645295,132007:5	S/95687	LCS	1		-a8260_a_c/all	10/10/16	09:33	jlz	
1/a03mbs.d	1645294	S/95687	BLANK	1		-a8260_a_c/all	10/10/16	10:05	jlz	
1/a04.d TC-	50155755010	S/95530	SAMPLE	1		-a8260_a_c/all	10/10/16	10:37	jlz	VAP ✓ conf.
1/a05.d	50155755011	S/95687	SAMPLE	1		-a8260_a_c/all	10/10/16	11:09	jlz	
1/a06.d	50155755014	S/95530	SAMPLE	1		-a8260_a_c/all	10/10/16	11:41	jlz	ISTD out Conf
1/a07.d	50155755016	S/95530	SAMPLE	1		-a8260_a_c/all	10/10/16	12:13	jlz	
1/a08.d	50155919001	S/95644	SAMPLE	1		-a8260_a_c/all	10/10/16	12:45	jlz	
1/a09.d	50155755001	S/95530	SAMPLE	1		-a8260_a_c/all	10/10/16	13:17	jlz	
1/a10.d	50155755003	S/95530	SAMPLE	1		-a8260_a_c/all	10/10/16	13:49	jlz	
1/a11.d	50155755012	S/95530	SAMPLE	1		-a8260_a_c/all	10/10/16	14:21	jlz	
1/a12.d	50155919003	S/95644	SAMPLE	1		-a8260_a_c/all	10/10/16	14:53	jlz	
1/a13.d	50155919005	S/95644 87	SAMPLE	1		-a8260_a_c/all	10/10/16	15:25	jlz	
1/a14.d	50155919007	S/95644	SAMPLE	1		-a8260_a_c/all	10/10/16	15:57	jlz	ISTD out.
1/a15lcsw.d	1645426,132007:5	L/95714	LCS	1	7	-a8260_a_c/all	10/10/16	16:29	jlz	
1/a16mbw.d	1645425	L/95714	BLANK	1	7	-a8260_a_c/all	10/10/16	17:01	jlz	
1/a17.d W-	50155891001	L/95714	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	17:32	jlz	
1/a18.d	50155891002	L/95714	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	18:04	jlz	RLSL
1/a19.d	50155891003	L/95714	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	18:37	jlz	
1/a20.d	50155891004	L/95714	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	19:08	jlz	
1/a21.d	50155891005	L/95714	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	19:40	jlz	
1/a22.d	50155891006	L/95714	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	20:12	jlz	
1/a23.d	50155891007	L/95714	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	20:44	jlz	
1/c00bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	10/10/16	21:16	jlz	USE CCVRBSB to solve time
1/c01ccv-bfb.d	8260-TUNE,131975	L/95280	BFB	1	7	-bfb/all	10/10/16	21:48	jlz	
1/c01ccv.d	8260-CCV,132273:	L/88307	CCALIB_6	1	7	-a8260_a_c/all	10/10/16	21:48	jlz	
1/c02lcsw.d	1645430,132007:5	L/95715	LCS	1	7	-a8260_a_c/all	10/10/16	22:20	jlz	
1/c03mbw.d	1645429	L/95715	BLANK	1	7	-a8260_a_c/all	10/10/16	22:52	jlz	
1/c04.d W-	50155891008	L/95715	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	23:24	jlz	RL 1.1K for Acetone
1/c05.d	50155919008	L/95715	SAMPLE	1	<2	-a8260_a_c/all	10/10/16	23:56	jlz	
1/c06.d	50155366026x1.1	L/95585	SAMPLE	1.1	<2	-a8260_a_c/all	10/11/16	00:28	jlz	ICE conf.

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\a101016.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:30 10/11/2016

JE 10/11/16

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]: Sand 107503
ISTD lot: Surr. lot: 130469:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c07.d	50155366017	L/95715	SAMPLE	1	<2	-a8260_a_c/all	10/11/16	01:00	jlz	
1/c08.d	1645431,132007:5	L/95715	MS	1	<2	-a8260_a_c/all	10/11/16	01:32	jlz	
1/c09.d	1645432,132007:5	L/95715	MSD	1	<2	-a8260_a_c/all	10/11/16	02:04	jlz	
1/c10.d	50155366005x5	L/95583	SAMPLE	5	<2	-a8260_a_c/all	10/11/16	02:36	jlz	12DCE
1/c11.d	50155366009x20	L/95583	SAMPLE	20	<2	-a8260_a_c/all	10/11/16	03:08	jlz	TCE
1/c12.d	50155366016x20	L/95583	SAMPLE	20	<2	-a8260_a_c/all	10/11/16	03:40	jlz	TCE
1/c13.d	50155366033x5	L/95584	SAMPLE	5	<2	-a8260_a_c/all	10/11/16	04:11	jlz	TCE
1/c14.d	50155366034x5	L/95584	SAMPLE	5	<2	-a8260_a_c/all	10/11/16	04:43	jlz	12DCE TCE
1/c15.d	50155366035x100	L/95584	SAMPLE	100	<2	-a8260_a_c/all	10/11/16	05:15	jlz	TCE
1/c16.d	50155366036x5	L/95584	SAMPLE	5	<2	-a8260_a_c/all	10/11/16	05:48	jlz	TCE
1/c17.d	50155366020x100	L/95585	SAMPLE	100	<2	-a8260_a_c/all	10/11/16	06:20	jlz	TCE
1/c18.d	50155366024x200	L/95585	SAMPLE	200	<2	-a8260_a_c/all	10/11/16	06:52	jlz	12DCE PCE TCE
1/c19.d	50155366025x20	L/95585	SAMPLE	20	<2	-a8260_a_c/all	10/11/16	07:23	jlz	TCE
1/c20.d	1645427,132007:5	L/95714	MS	1	<2	-a8260_a_c/all	10/11/16	07:55	jlz	
1/c21.d	1645428,132007:5	L/95714	MSD	1	<2	-a8260_a_c/all	10/11/16	08:27	jlz	
1/c22.d	50155622001	L/95732	SAMPLE	1	<2	-a8260_a_c/all	10/11/16	08:59	jlz	
1/c23.d	50155622002	L/95732	SAMPLE	1	<2	-a8260_a_c/all	10/11/16	09:31	jlz	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\a101016.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:30 10/11/2016

ARCADIS Design & Consultancy for natural and built assets

RACER Trust
Former GM Delco Plant 5

Data Review

KOKOMO, INDIANA

Volatile Organic Compounds Analyses

SDG #50155366

Analyses Performed By:
Pace Analytical
Indianapolis, Indiana

Report #26643R
Review Level: Tier III
Project: IN000884.2016.00007

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #50155366 for samples collected in association with the RACER Trust site in Kokomo, Indiana. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis	
						VOC	MISC
50155366	TB-1(092716)RW	50155366001	Water	9/27/2016		X	
	MW-0607-S1(092716)PDB	50155366002	Water	9/27/2016		X	
	MW-0613-S1(092716)PDB	50155366003	Water	9/27/2016		X	
	EB-2(092716)RW	50155366004	Water	9/27/2016		X	
	MW-0609-S1(092716)PDB	50155366005	Water	9/27/2016		X	
	MW-0610-S1(092716)PDB	50155366006	Water	9/27/2016		X	
	MW-0602-S1(092716)PDB	50155366007	Water	9/27/2016		X	
	MW-0705-S1(092716)PDB	50155366008	Water	9/27/2016		X	
	MW-0612-S1(092716)PDB	50155366009	Water	9/27/2016		X	
	MW-0606-S1(092716)PDB	50155366010	Water	9/27/2016		X	
	MW-0704-S1(092716)PDB	50155366011	Water	9/27/2016		X	
	MW-0618-S1(092716)PDB	50155366012	Water	9/27/2016		X	
	MW-0608-S1(092716)PDB	50155366013	Water	9/27/2016		X	
	MW-0501-S1(092716)PDB	50155366014	Water	9/27/2016		X	
	MW-0509-S1(092716)PDB	50155366015	Water	9/27/2016		X	
	MW-0102-S1U(092716)PDB	50155366016	Water	9/27/2016		X	
	MW-0619-S1(092716)PDB	50155366017	Water	9/27/2016		X	
	MW-0103-S1U(092716)PDB	50155366018	Water	9/27/2016		X	
	MW-0623-S1(092716)PDB	50155366019	Water	9/27/2016		X	
	MW-0622-S1(092716)PDB	50155366020	Water	9/27/2016		X	
	MW-0620-S1(092716)PDB	50155366021	Water	9/27/2016		X	
	MW-0605-S1(092716)PDB	50155366022	Water	9/27/2016		X	
	TB-2(092716)RW	50155366023	Water	9/27/2016		X	

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis	
						VOC	MISC
	FD-2(092716)RW	50155366024	Water	9/27/2016	MW-0622-S1(092716)PDB	X	
	MW-0621-S1(092716)PDB	50155366025	Water	9/27/2016		X	
	MW-0505-S1(092716)PDB	50155366026	Water	9/27/2016		X	
	MW-0504-S1(092716)PDB	50155366027	Water	9/27/2016		X	
	MW-0506-S1(092716)PDB	50155366028	Water	9/27/2016		X	
	EB-1(092716)RW	50155366029	Water	9/27/2016		X	
	MW-0617-S1(092716)PDB	50155366030	Water	9/27/2016		X	
	MW-0507-S1(092716)PDB	50155366031	Water	9/27/2016		X	
	MW-0503-S1(092716)PDB	50155366032	Water	9/27/2016		X	
	MW-0517-S1(092716)PDB	50155366033	Water	9/27/2016		X	
	MW-0604-S1(092716)PDB	50155366034	Water	9/27/2016		X	
	MW-0101-S1U(092716)PDB	50155366035	Water	9/27/2016		X	
	FD-1(092716)RW	50155366036	Water	9/27/2016	MW-0517-S1(092716)PDB	X	
	MW-0502-S1(091716)PDB	50155366037	Water	9/27/2016		X	
	MW-0516-S1(091716)PDB	50155366038	Water	9/27/2016		X	
	MW-0603-S1(091716)PDB	50155366039	Water	9/27/2016		X	

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is

that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.
	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cool to <6 °C.

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No other qualification of the sample results was required.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
MW-0607-S1(092716)PDB MW-0613-S1(092716)PDB MW-0609-S1(092716)PDB MW-0610-S1(092716)PDB MW-0602-S1(092716)PDB MW-0705-S1(092716)PDB MW-0612-S1(092716)PDB MW-0606-S1(092716)PDB MW-0704-S1(092716)PDB MW-0618-S1(092716)PDB MW-0608-S1(092716)PDB	Methylene chloride	Detected sample results >RL and <BAL	“UB” at detected sample concentration

Sample Locations	Analytes	Sample Result	Qualification
MW-0501-S1(092716)PDB MW-0509-S1(092716)PDB MW-0102-S1U(092716)PDB MW-0103-S1U(092716)PDB MW-0623-S1(092716)PDB MW-0622-S1(092716)PDB MW-0620-S1(092716)PDB MW-0605-S1(092716)PDB MW-0621-S1(092716)PDB MW-0505-S1(092716)PDB MW-0504-S1(092716)PDB MW-0506-S1(092716)PDB MW-0617-S1(092716)PDB MW-0507-S1(092716)PDB MW-0604-S1(092716)PDB MW-0101-S1U(092716)PDB MW-0502-S1(091716)PDB FD-2(092716)RW FD-1(092716)RW			

RL Reporting limit

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
MW-0506-S1(092716)PDB EB-1(092716)RW MW-0617-S1(092716)PDB MW-0507-S1(092716)PDB MW-0503-S1(092716)PDB MW-0517-S1(092716)PDB MW-0604-S1(092716)PDB MW-0101-S1U(092716)PDB FD-1(092716)RW MW-0502-S1(091716)PDB MW-0516-S1(091716)PDB	ICV %RSD	Acetone	19.1%
MW-0506-S1(092716)PDB EB-1(092716)RW MW-0617-S1(092716)PDB MW-0507-S1(092716)PDB MW-0503-S1(092716)PDB MW-0517-S1(092716)PDB MW-0604-S1(092716)PDB MW-0101-S1U(092716)PDB FD-1(092716)RW MW-0502-S1(091716)PDB MW-0516-S1(091716)PDB	CCV %D	Acetone	-21.1%
TB-1(092716)RW MW-0607-S1(092716)PDB MW-0613-S1(092716)PDB EB-2(092716)RW MW-0609-S1(092716)PDB MW-0610-S1(092716)PDB MW-0602-S1(092716)PDB MW-0705-S1(092716)PDB MW-0612-S1(092716)PDB MW-0606-S1(092716)PDB MW-0704-S1(092716)PDB MW-0618-S1(092716)PDB MW-0608-S1(092716)PDB MW-0501-S1(092716)PDB MW-0509-S1(092716)PDB MW-0102-S1U(092716)PDB	CCV %D	Chloromethane	-20.5%
MW-0103-S1U(092716)PDB MW-0623-S1(092716)PDB MW-0622-S1(092716)PDB MW-0620-S1(092716)PDB MW-0605-S1(092716)PDB TB-2(092716)RW FD-2(092716)RW MW-0621-S1(092716)PDB MW-0505-S1(092716)PDB MW-0504-S1(092716)PDB MW-0603-S1(091716)PDB	CCV %D	Chloromethane	-23.8%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
MW-0603-S1(091716)PDB	Isopropylbenzene	<LL but >10%	<LL but >10%

AC Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW-0622-S1(092716)PDB/ FD-2(092716)RW	cis-1,2-Dichloroethene	1420	1470	3.5%
	Trichloroethene	12100	11500	5.1%

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
	1,1-Dichloroethene	50.0 U	6.2	AC
	trans-1,2-Dichloroethene	50.0 U	22.7	AC
MW-0517-S1(092716)PDB/ FD-1(092716)RW	cis-1,2-Dichloroethene	145	145	0%
	trans-1,2-Dichloroethene	42.0	40.6	3.4%
	Trichloroethene	760	809	6.2%

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
MW-0612-S1(092716)PDB	Trichloroethene	-	4630	4630 D
MW-0102-S1U(092716)PDB	Trichloroethene	-	5060	5060 D
MW-0622-S1(092716)PDB	Trichloroethene	-	12100	12100 D
FD-2(092716)RW	cis-1,2-Dichloroethene	-	1470	1470 D
	Trichloroethene	-	11500	11500 D
MW-0621-S1(092716)PDB	Trichloroethene	-	4000	4000 D
MW-0517-S1(092716)PDB	Trichloroethene	-	760	760 D
MW-0604-S1(092716)PDB	Trichloroethene	-	1190	1190 D
MW-0101-S1U(092716)PDB	Trichloroethene	-	18500	18500 D
MW-0502-S1(091716)PDB	Trichloroethene	-	809	809 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ

Reported Sample Results	Qualification
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

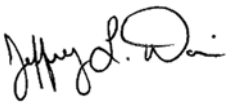
DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks		X	X		
C. Trip blanks		X	X		
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)		X			X
LCS/LCSD Precision (RPD)		X			X
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate(MSD)		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X	X		
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Validation Performed By: Jeffrey L. Davin

Signature: 

Date: November 17, 2016

Peer Review: Dennis Capria

Date: December 6, 2016

CHAIN OF CUSTODY /
CORRECTED SAMPLE ANALYSIS DATA SHEETS

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 4

2082092

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. WASHINGTON ST, STE 600 INDPLS, IN 46204
Email To: SARAH FISHER
Phone: 317-231-6500 Fax: 317-231-6514
Requested Due Date/TAT: STND

Section B Required Project Information:

Report To: SARAH FISHER
Copy To: MATT GRILES, SARAH JONKER
Purchase Order No.: IN000884.2016.00006
Project Name: PACEL TRUST FORMER GM DELCO PLANT 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: ACCTS PAY
Company Name: ARCADIS
Address: 10 CENTENNIAL CENTER, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N)	Analysis Test ↓ VOCs-8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Y/N	N		30155366
1	TB-1 (092716) RW	WG	G			9-27-16	—		3				X						X		LAB SUPPLIED. 001
2	MW-0607-S1 (092716) PDB	WG	G			9-27-16	0800		3				X						X		002
3	MW-0613-S1 (092716) PDB	WG	G				0810		3				X						X		003
4	EB-2 (092716) RW	WG	G				0815		3				X						X		EQUIP. BLANK 004
5	MW-0609-S1 (092716) PDB	WG	G				0830		3				X						X		005
6	MW-0610-S1 (092716) PDB	WG	G				0835		3				X						X		006
7	MW-0602-S1 (092716) PDB	WG	G				0845		3				X						X		007
8	MW-0705-S1 (092716) PDB	WG	G				0855		3				X						X		008
9	MW-0612-S1 (092716) PDB	WG	G				0900		3				X						X		009
10	MW-0606-S1 (092716) PDB	WG	G				0910		3				X						X		010
11	MW-0704-S1 (092716) PDB	WG	G				0915		3				X						X		011
12	MW-0618-S1 (092716) PDB	WG	G			↓	0920		3				X						X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] (ARCADIS)	9/28	1315	L. Easterday	9/29/16	1315	1.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: SARAH WARREN
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-27-16

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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2082093

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. WASHINGTON ST, STE 600
INDPLS, IN 46204
Email To: SARAH.FISHER@ARCADIS-US.COM
Phone: 317-231-6500 Fax: 317-231-6514
Requested Due Date/TAT: STND

Section B Required Project Information:

Report To: SARAH FISHER
Copy To: MATT BOLES
SARAH JONKER
Purchase Order No.: IN000884.2016.00006
Project Name: KAISER TRUST FORMER GM NEW PLANT 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: ACCTSPAY
Company Name: ARCADIS
Address: HIGHLANDS RANCH, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOCs - 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																	N		
1	MW-0608-S1 (092716) PDB	WT	G			9-27-16	0930		3				X					X		50155366
2	MW-0501-S1 (092716) PDB	WT	G			9-27-16	0945		9				X					X		013
3	MW-0509-S1 (092716) PDB	WT	G				0955		3				X					X		MS/MSD 014
4	MW-0102-S14 (092716) PDB	WT	G				1005		3				X					X		015
5	MW-0619-S1 (092716) PDB	WT	G				1015		3				X					X		016
6	MW-0103-S14 (092716) PDB	WT	G				1020		3				X					X		017
7	MW-0623-S1 (092716) PDB	WT	G				1030		3				X					X		018
8	MW-0622-S1 (092716) PDB	WT	G				1040		3				X					X		019
9	MW-0620-S1 (092716) PDB	WT	G				1050		3				X					X		020
10	MW-0605-S1 (092716) PDB	WT	G				1100		3				X					X		021
11	TB-2 (092716) RW	WT	G				—		3				X					X		022
12	FD-2 (092716) RW	WT	G				—		3				X					X		LAB SUPPLIED 023
																				FIELD BLANK DUP 024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] / ARCADIS	9/28	1315	L. Easterday	9/28	1315	1.8 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: RANDALL WOODRUFF
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 9-27-16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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2082094

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. WASHINGTON ST., STE 600 INDPLS, IN 46204
Email To: SARAH.FISHER
Phone: 317-231-6580 Fax: 317-231-6514
Requested Due Date/TAT: STND

Section B Required Project Information:

Report To: SARAH FISHER
Copy To: MATT GREVES, SARAH JOYCER
Purchase Order No.: IN000884.2016.00006
Project Name: RACER TRUST FORMER GM DELCO PLANT 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: ACCTS PAY
Company Name: ARCADIS
Address: HIGHLANDS RANCH, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOCs - 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-0621-S1 (092716) PDB	WT	G			9/26/16	1115		3			X						X	X		025
2	MW-0505-S1 (092716) PDB	WT	G				1120		3			X						X	X		026
3	MW-0504-S1 (092716) PDB	WT	G				1130		3			X						X	X		027
4	MW-0506-S1 (092716) PDB	WT	G				1135		3			X						X	X		028
5	EB-1 (092716) RW	WT	G				1140		3			X						X	X		EQUIP BLANK 029
6	MW-0617-S1 (092716) PDB	WT	G				1150		3			X						X	X		030
7	MW-0507-S1 (092716) PDB	WT	G				1205		3			X						X	X		031
8	MW-0503-S1 (092716) PDB	WT	G				1215		9			X						X	X		MS/MSD 032
9	MW-0517-S1 (092716) PDB	WT	G				1225		3			X						X	X		033
10	MW-0604-S1 (092716) PDB	WT	G				1235		3			X						X	X		034
11	MW-0101-S1A (092716) PDB	WT	G				1245		3			X						X	X		035
12	FD-1 (092716) RW	WT	G				—		3			X						X	X		FIELD DUP 036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	ARCADIS	9/28	1315	L. Easterday	9/28	1315	1.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Ranessa Woodruff
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-27-16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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2082095

Section A Required Client Information:

Company: ARCADIS
Address: 132 E. Washington St, Ste 600
Indpls, IN 46204
Email To: Sarah.Fisher
Phone: 317-231-6588 Fax: 317-231-6514
Requested Due Date/TAT: Std 10 days

Section B Required Project Information:

Report To: Sarah Fisher
Copy To: Matt Graves
Sarah Jonker
Purchase Order No.: IN000884.2016.00006
Project Name: Baker Trust Former Gas Depot Plant 5
Project Number: IN000884.2016.00006

Section C Invoice Information:

Attention: Accts Pay
Company Name: ARCADIS
Address: Highlands Ranch, CO
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOC-8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-0502-S1 (092716) PDB	WT	G			9/27/16	1250		3				X					X		037
2	MW-0516-S1 (092716) PDB	WT	G				1300		3				X					X		038
3	MW-0603-S1 (092716) PDB	WT	G				1310		3				X					X		039
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Requested Analysis Filtered (Y/N): Y/N

50155366

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] ARCADIS	9/28	1315	L. Easterday	9/28	1315	1.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Randall Westrick
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9-27-16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical Services, LLC
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
C0	Result confirmed by second analysis.
C9	Common Laboratory Contaminant.
D4	Sample was diluted due to the presence of high levels of target analytes.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.

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Pace Analytical Services, LLC
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-1(092716)RW **Lab ID: 50155366001** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 14:20	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 14:20	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 14:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 14:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 14:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 14:20	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 14:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 14:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 14:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 14:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 14:20	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 14:20	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 14:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 14:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 14:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 14:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 14:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 14:20	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 14:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 14:20	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 14:20	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 14:20	108-87-2	N2
Methylene Chloride	**10.1**	ug/L	5.0	1		10/06/16 14:20	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 14:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 14:20	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 14:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 14:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 14:20	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 14:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 14:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 14:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 14:20	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 14:20	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-1(092716)RW **Lab ID: 50155366001** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 14:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/06/16 14:20	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/06/16 14:20	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 14:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0607-S1(092716)PDB **Lab ID: 50155366002** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 14:52	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 14:52	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 14:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 14:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 14:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 14:52	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 14:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 14:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 14:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 14:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 14:52	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 14:52	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 14:52	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 14:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 14:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 14:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 14:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 14:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 14:52	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 14:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 14:52	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 14:52	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 14:52	108-87-2	N2
Methylene Chloride	**5.2**	ug/L	5.0	1		10/06/16 14:52	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 14:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 14:52	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 14:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 14:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 14:52	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 14:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 14:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 14:52	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 14:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 14:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 14:52	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 14:52	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0607-S1(092716)PDB **Lab ID: 50155366002** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 14:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/06/16 14:52	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 14:52	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 14:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0613-S1(092716)PDB **Lab ID: 50155366003** Collected: 09/27/16 08:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	1		10/06/16 15:24	67-64-1		
Benzene	ND	ug/L	5.0	1		10/06/16 15:24	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 15:24	75-27-4		
Bromoform	ND	ug/L	5.0	1		10/06/16 15:24	75-25-2		
Bromomethane	ND	ug/L	5.0	1		10/06/16 15:24	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 15:24	78-93-3		
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 15:24	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 15:24	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	108-90-7		
Chloroethane	ND	ug/L	5.0	1		10/06/16 15:24	75-00-3		
Chloroform	ND	ug/L	5.0	1		10/06/16 15:24	67-66-3		
Chloromethane	ND	ug/L	5.0	1		10/06/16 15:24	74-87-3	J	
Cyclohexane	ND	ug/L	100	1		10/06/16 15:24	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 15:24	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 15:24	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 15:24	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 15:24	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 15:24	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:24	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:24	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 15:24	100-41-4		
2-Hexanone	ND	ug/L	25.0	1		10/06/16 15:24	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 15:24	98-82-8		
Methyl acetate	ND	ug/L	50.0	1		10/06/16 15:24	79-20-9	N2	
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 15:24	108-87-2	N2	
Methylene Chloride	**5.4**	ug/L	5.0	1		10/06/16 15:24	75-09-2	~~C9~~	UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 15:24	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 15:24	1634-04-4		
Styrene	ND	ug/L	5.0	1		10/06/16 15:24	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 15:24	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 15:24	127-18-4		
Toluene	ND	ug/L	5.0	1		10/06/16 15:24	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:24	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:24	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		10/06/16 15:24	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 15:24	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 15:24	76-13-1		
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 15:24	75-01-4		

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0613-S1(092716)PDB **Lab ID: 50155366003** Collected: 09/27/16 08:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 15:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/06/16 15:24	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 15:24	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/06/16 15:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-2(092716)RW **Lab ID: 50155366004** Collected: 09/27/16 08:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 15:56	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 15:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 15:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 15:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 15:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 15:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 15:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 15:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 15:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 15:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 15:56	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 15:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 15:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 15:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 15:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 15:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 15:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 15:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 15:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 15:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 15:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 15:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 15:56	108-87-2	N2
Methylene Chloride	**7.0**	ug/L	5.0	1		10/06/16 15:56	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 15:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 15:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 15:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 15:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 15:56	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 15:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 15:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 15:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 15:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 15:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 15:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 15:56	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-2(092716)RW **Lab ID: 50155366004** Collected: 09/27/16 08:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 15:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	1		10/06/16 15:56	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 15:56	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/06/16 15:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0609-S1(092716)PDB **Lab ID: 50155366005** Collected: 09/27/16 08:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 16:29	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 16:29	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 16:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 16:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 16:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 16:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 16:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 16:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 16:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 16:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 16:29	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 16:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 16:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 16:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 16:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 16:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 16:29	75-35-4	
cis-1,2-Dichloroethene	**496**	ug/L	25.0	5		10/11/16 02:36	156-59-2	
trans-1,2-Dichloroethene	**49.7**	ug/L	5.0	1		10/06/16 16:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 16:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 16:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 16:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 16:29	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 16:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 16:29	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 16:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 16:29	108-87-2	N2
Methylene Chloride	**7.9**	ug/L	5.0	1		10/06/16 16:29	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 16:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 16:29	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 16:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 16:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 16:29	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 16:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 16:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 16:29	79-00-5	
Trichloroethene	**17.1**	ug/L	5.0	1		10/06/16 16:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 16:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 16:29	76-13-1	
Vinyl chloride	**18.1**	ug/L	2.0	1		10/06/16 16:29	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0609-S1(092716)PDB **Lab ID: 50155366005** Collected: 09/27/16 08:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 16:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/06/16 16:29	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 16:29	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 16:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0610-S1(092716)PDB **Lab ID: 50155366006** Collected: 09/27/16 08:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 17:00	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 17:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 17:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 17:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 17:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 17:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 17:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 17:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 17:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 17:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 17:00	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 17:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 17:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 17:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 17:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 17:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 17:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 17:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 17:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 17:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 17:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 17:00	108-87-2	N2
Methylene Chloride	**5.4**	ug/L	5.0	1		10/06/16 17:00	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 17:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 17:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 17:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 17:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 17:00	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 17:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 17:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 17:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 17:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 17:00	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0610-S1(092716)PDB **Lab ID: 50155366006** Collected: 09/27/16 08:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 17:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/06/16 17:00	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-116	1		10/06/16 17:00	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/06/16 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0602-S1(092716)PDB **Lab ID: 50155366007** Collected: 09/27/16 08:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 17:33	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 17:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 17:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 17:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 17:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 17:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 17:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 17:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 17:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 17:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 17:33	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 17:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 17:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 17:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 17:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 17:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 17:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 17:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 17:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 17:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 17:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 17:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 17:33	108-87-2	N2
Methylene Chloride	**7.6**	ug/L	5.0	1		10/06/16 17:33	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 17:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 17:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 17:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 17:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 17:33	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 17:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 17:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 17:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 17:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 17:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 17:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 17:33	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0602-S1(092716)PDB **Lab ID: 50155366007** Collected: 09/27/16 08:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 17:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/06/16 17:33	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 17:33	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 17:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0705-S1(092716)PDB **Lab ID: 50155366008** Collected: 09/27/16 08:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 18:05	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 18:05	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 18:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 18:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 18:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 18:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 18:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 18:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 18:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 18:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 18:05	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 18:05	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 18:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 18:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 18:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 18:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 18:05	75-35-4	
cis-1,2-Dichloroethene	**46.7**	ug/L	5.0	1		10/06/16 18:05	156-59-2	
trans-1,2-Dichloroethene	**13.0**	ug/L	5.0	1		10/06/16 18:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 18:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 18:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 18:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 18:05	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 18:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 18:05	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 18:05	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 18:05	108-87-2	N2
Methylene Chloride	**7.9**	ug/L	5.0	1		10/06/16 18:05	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 18:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 18:05	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 18:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 18:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 18:05	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 18:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 18:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 18:05	79-00-5	
Trichloroethene	**149**	ug/L	5.0	1		10/06/16 18:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 18:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 18:05	76-13-1	
Vinyl chloride	**3.2**	ug/L	2.0	1		10/06/16 18:05	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0705-S1(092716)PDB **Lab ID: 50155366008** Collected: 09/27/16 08:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 18:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/06/16 18:05	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	79-116	1		10/06/16 18:05	460-00-4	
Toluene-d8 (S)	94	%.	86-110	1		10/06/16 18:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0612-S1(092716)PDB **Lab ID: 50155366009** Collected: 09/27/16 09:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1000	10		10/06/16 18:37	67-64-1		
Benzene	ND	ug/L	50.0	10		10/06/16 18:37	71-43-2		
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 18:37	75-27-4		
Bromoform	ND	ug/L	50.0	10		10/06/16 18:37	75-25-2		
Bromomethane	ND	ug/L	50.0	10		10/06/16 18:37	74-83-9		
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 18:37	78-93-3		
Carbon disulfide	ND	ug/L	100	10		10/06/16 18:37	75-15-0		
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 18:37	56-23-5		
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	108-90-7		
Chloroethane	ND	ug/L	50.0	10		10/06/16 18:37	75-00-3		
Chloroform	ND	ug/L	50.0	10		10/06/16 18:37	67-66-3		
Chloromethane	ND	ug/L	50.0	10		10/06/16 18:37	74-87-3	J	
Cyclohexane	ND	ug/L	1000	10		10/06/16 18:37	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 18:37	96-12-8		
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 18:37	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 18:37	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	106-46-7		
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 18:37	75-71-8		
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	75-34-3		
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	107-06-2		
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 18:37	75-35-4		
cis-1,2-Dichloroethene	**249**	ug/L	50.0	10		10/06/16 18:37	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/06/16 18:37	156-60-5		
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 18:37	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 18:37	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 18:37	10061-02-6		
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 18:37	100-41-4		
2-Hexanone	ND	ug/L	250	10		10/06/16 18:37	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 18:37	98-82-8		
Methyl acetate	ND	ug/L	500	10		10/06/16 18:37	79-20-9	N2	
Methylcyclohexane	ND	ug/L	500	10		10/06/16 18:37	108-87-2	N2	
Methylene Chloride	**112**	ug/L	50.0	10		10/06/16 18:37	75-09-2	~~C9~~	UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 18:37	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 18:37	1634-04-4		
Styrene	ND	ug/L	50.0	10		10/06/16 18:37	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 18:37	79-34-5		
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 18:37	127-18-4		
Toluene	ND	ug/L	50.0	10		10/06/16 18:37	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 18:37	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 18:37	79-00-5		
Trichloroethene	**4630**	ug/L	100	20		10/11/16 03:08	79-01-6	D	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 18:37	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 18:37	76-13-1		
Vinyl chloride	ND	ug/L	20.0	10		10/06/16 18:37	75-01-4		

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0612-S1(092716)PDB **Lab ID: 50155366009** Collected: 09/27/16 09:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 18:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	10		10/06/16 18:37	1868-53-7	D4
4-Bromofluorobenzene (S)	105	%.	79-116	10		10/06/16 18:37	460-00-4	
Toluene-d8 (S)	95	%.	86-110	10		10/06/16 18:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0606-S1(092716)PDB **Lab ID: 50155366010** Collected: 09/27/16 09:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/06/16 19:09	67-64-1	
Benzene	ND	ug/L	50.0	10		10/06/16 19:09	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 19:09	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/06/16 19:09	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/06/16 19:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 19:09	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/06/16 19:09	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 19:09	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/06/16 19:09	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/06/16 19:09	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/06/16 19:09	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/06/16 19:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 19:09	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 19:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 19:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 19:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 19:09	75-35-4	
cis-1,2-Dichloroethene	**633**	ug/L	50.0	10		10/06/16 19:09	156-59-2	
trans-1,2-Dichloroethene	**58.0**	ug/L	50.0	10		10/06/16 19:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 19:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:09	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 19:09	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/06/16 19:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 19:09	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/06/16 19:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/06/16 19:09	108-87-2	N2
Methylene Chloride	**113**	ug/L	50.0	10		10/06/16 19:09	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 19:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 19:09	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/06/16 19:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 19:09	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 19:09	127-18-4	
Toluene	ND	ug/L	50.0	10		10/06/16 19:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:09	79-00-5	
Trichloroethene	**1130**	ug/L	50.0	10		10/06/16 19:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 19:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 19:09	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/06/16 19:09	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0606-S1(092716)PDB **Lab ID: 50155366010** Collected: 09/27/16 09:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 19:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	10		10/06/16 19:09	1868-53-7	D4
4-Bromofluorobenzene (S)	104	%.	79-116	10		10/06/16 19:09	460-00-4	
Toluene-d8 (S)	95	%.	86-110	10		10/06/16 19:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0704-S1(092716)PDB **Lab ID: 50155366011** Collected: 09/27/16 09:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/06/16 19:41	67-64-1	
Benzene	ND	ug/L	50.0	10		10/06/16 19:41	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 19:41	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/06/16 19:41	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/06/16 19:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 19:41	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/06/16 19:41	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 19:41	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/06/16 19:41	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/06/16 19:41	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/06/16 19:41	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/06/16 19:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 19:41	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 19:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 19:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 19:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 19:41	75-35-4	
cis-1,2-Dichloroethene	**668**	ug/L	50.0	10		10/06/16 19:41	156-59-2	
trans-1,2-Dichloroethene	**88.9**	ug/L	50.0	10		10/06/16 19:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 19:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 19:41	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 19:41	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/06/16 19:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 19:41	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/06/16 19:41	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/06/16 19:41	108-87-2	N2
Methylene Chloride	**107**	ug/L	50.0	10		10/06/16 19:41	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 19:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 19:41	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/06/16 19:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 19:41	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 19:41	127-18-4	
Toluene	ND	ug/L	50.0	10		10/06/16 19:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 19:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 19:41	79-00-5	
Trichloroethene	**2480**	ug/L	50.0	10		10/06/16 19:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 19:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 19:41	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/06/16 19:41	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0704-S1(092716)PDB **Lab ID: 50155366011** Collected: 09/27/16 09:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 19:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	10		10/06/16 19:41	1868-53-7	D4
4-Bromofluorobenzene (S)	102	%.	79-116	10		10/06/16 19:41	460-00-4	
Toluene-d8 (S)	93	%.	86-110	10		10/06/16 19:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0618-S1(092716)PDB **Lab ID: 50155366012** Collected: 09/27/16 09:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 20:13	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 20:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 20:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 20:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 20:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 20:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 20:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 20:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 20:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 20:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 20:13	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 20:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 20:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 20:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 20:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 20:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 20:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 20:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 20:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 20:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 20:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 20:13	108-87-2	N2
Methylene Chloride	**6.1**	ug/L	5.0	1		10/06/16 20:13	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 20:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 20:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 20:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 20:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 20:13	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 20:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 20:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 20:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 20:13	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 20:13	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0618-S1(092716)PDB **Lab ID: 50155366012** Collected: 09/27/16 09:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 20:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	1		10/06/16 20:13	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	79-116	1		10/06/16 20:13	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/06/16 20:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0608-S1(092716)PDB **Lab ID: 50155366013** Collected: 09/27/16 09:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 20:45	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 20:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 20:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 20:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 20:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 20:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 20:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 20:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 20:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 20:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 20:45	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 20:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 20:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 20:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 20:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 20:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 20:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 20:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 20:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 20:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 20:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 20:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 20:45	108-87-2	N2
Methylene Chloride	**7.3**	ug/L	5.0	1		10/06/16 20:45	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 20:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 20:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 20:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 20:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 20:45	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 20:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 20:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 20:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 20:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 20:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 20:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 20:45	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0608-S1(092716)PDB **Lab ID: 50155366013** Collected: 09/27/16 09:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 20:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/06/16 20:45	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/06/16 20:45	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/06/16 20:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0501-S1(092716)PDB **Lab ID: 50155366014** Collected: 09/27/16 09:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**180**	ug/L	100	1		10/06/16 21:17	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 21:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 21:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 21:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 21:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 21:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 21:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 21:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 21:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 21:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 21:17	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 21:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 21:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 21:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 21:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 21:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 21:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 21:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 21:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 21:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 21:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 21:17	108-87-2	N2
Methylene Chloride	**6.8**	ug/L	5.0	1		10/06/16 21:17	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 21:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 21:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 21:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 21:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 21:17	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 21:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 21:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 21:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 21:17	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 21:17	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0501-S1(092716)PDB **Lab ID: 50155366014** Collected: 09/27/16 09:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 21:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/06/16 21:17	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		10/06/16 21:17	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/06/16 21:17	2037-26-5	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0509-S1(092716)PDB **Lab ID: 50155366015** Collected: 09/27/16 09:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/06/16 21:49	67-64-1	
Benzene	ND	ug/L	5.0	1		10/06/16 21:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/06/16 21:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/06/16 21:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/06/16 21:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/06/16 21:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/06/16 21:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/06/16 21:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/06/16 21:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/06/16 21:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/06/16 21:49	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/06/16 21:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/06/16 21:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/06/16 21:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/06/16 21:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/06/16 21:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/06/16 21:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/06/16 21:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/06/16 21:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/06/16 21:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/06/16 21:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/06/16 21:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/06/16 21:49	108-87-2	N2
Methylene Chloride	**6.1**	ug/L	5.0	1		10/06/16 21:49	75-09-2	C9 UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/06/16 21:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/06/16 21:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/06/16 21:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/06/16 21:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/06/16 21:49	127-18-4	
Toluene	ND	ug/L	5.0	1		10/06/16 21:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/06/16 21:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/06/16 21:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/06/16 21:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/06/16 21:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/06/16 21:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/06/16 21:49	75-01-4	

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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0509-S1(092716)PDB **Lab ID: 50155366015** Collected: 09/27/16 09:55 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/06/16 21:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	1		10/06/16 21:49	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/06/16 21:49	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/06/16 21:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0102-S1U(092716)PDB **Lab ID: 50155366016** Collected: 09/27/16 10:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/06/16 22:21	67-64-1	
Benzene	ND	ug/L	50.0	10		10/06/16 22:21	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/06/16 22:21	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/06/16 22:21	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/06/16 22:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/06/16 22:21	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/06/16 22:21	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/06/16 22:21	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/06/16 22:21	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/06/16 22:21	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/06/16 22:21	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/06/16 22:21	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/06/16 22:21	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/06/16 22:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/06/16 22:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/06/16 22:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/06/16 22:21	75-35-4	
cis-1,2-Dichloroethene	**1230**	ug/L	50.0	10		10/06/16 22:21	156-59-2	
trans-1,2-Dichloroethene	**104**	ug/L	50.0	10		10/06/16 22:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/06/16 22:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 22:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/06/16 22:21	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/06/16 22:21	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/06/16 22:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/06/16 22:21	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/06/16 22:21	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/06/16 22:21	108-87-2	N2
Methylene Chloride	**106**	ug/L	50.0	10		10/06/16 22:21	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/06/16 22:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/06/16 22:21	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/06/16 22:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/06/16 22:21	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/06/16 22:21	127-18-4	
Toluene	ND	ug/L	50.0	10		10/06/16 22:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/06/16 22:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/06/16 22:21	79-00-5	
Trichloroethene	**5060**	ug/L	100	20		10/11/16 03:40	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		10/06/16 22:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/06/16 22:21	76-13-1	
Vinyl chloride	**21.6**	ug/L	20.0	10		10/06/16 22:21	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0102-S1U(092716)PDB **Lab ID: 50155366016** Collected: 09/27/16 10:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/06/16 22:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	10		10/06/16 22:21	1868-53-7	D4
4-Bromofluorobenzene (S)	103	%.	79-116	10		10/06/16 22:21	460-00-4	
Toluene-d8 (S)	91	%.	86-110	10		10/06/16 22:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0619-S1(092716)PDB **Lab ID: 50155366017** Collected: 09/27/16 10:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/11/16 01:00	67-64-1	
Benzene	ND	ug/L	5.0	1		10/11/16 01:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/11/16 01:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/11/16 01:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/11/16 01:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/11/16 01:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/11/16 01:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/11/16 01:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/11/16 01:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/11/16 01:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/11/16 01:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/11/16 01:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/11/16 01:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/11/16 01:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/11/16 01:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/11/16 01:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/11/16 01:00	75-35-4	
cis-1,2-Dichloroethene	**50.0**	ug/L	5.0	1		10/11/16 01:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/11/16 01:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/11/16 01:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/11/16 01:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/11/16 01:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/11/16 01:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/11/16 01:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/11/16 01:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/11/16 01:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/11/16 01:00	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/11/16 01:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/11/16 01:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/11/16 01:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/11/16 01:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/11/16 01:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/11/16 01:00	127-18-4	
Toluene	ND	ug/L	5.0	1		10/11/16 01:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/11/16 01:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/11/16 01:00	79-00-5	
Trichloroethene	**202**	ug/L	5.0	1		10/11/16 01:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/11/16 01:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/11/16 01:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/11/16 01:00	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0619-S1(092716)PDB **Lab ID: 50155366017** Collected: 09/27/16 10:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/11/16 01:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/11/16 01:00	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-116	1		10/11/16 01:00	460-00-4	
Toluene-d8 (S)	94	%.	86-110	1		10/11/16 01:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0103-S1U(092716)PDB **Lab ID: 50155366018** Collected: 09/27/16 10:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 03:41	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 03:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 03:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 03:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 03:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 03:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 03:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 03:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 03:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 03:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 03:41	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/07/16 03:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 03:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 03:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 03:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 03:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 03:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 03:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 03:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 03:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 03:41	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 03:41	108-87-2	N2
Methylene Chloride	**7.1**	ug/L	5.0	1		10/07/16 03:41	75-09-2	~~B,C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 03:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 03:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 03:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 03:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 03:41	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 03:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:41	79-00-5	
Trichloroethene	**9.3**	ug/L	5.0	1		10/07/16 03:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 03:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 03:41	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 03:41	75-01-4	

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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0103-S1U(092716)PDB **Lab ID: 50155366018** Collected: 09/27/16 10:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 03:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 03:41	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 03:41	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 03:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0623-S1(092716)PDB **Lab ID: 50155366019** Collected: 09/27/16 10:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 04:13	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 04:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 04:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 04:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 04:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 04:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 04:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 04:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 04:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 04:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 04:13	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/07/16 04:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 04:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 04:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 04:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 04:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 04:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 04:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 04:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 04:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 04:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 04:13	108-87-2	N2
Methylene Chloride	**6.9**	ug/L	5.0	1		10/07/16 04:13	75-09-2	~~B,C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 04:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 04:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 04:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 04:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 04:13	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 04:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 04:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 04:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 04:13	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 04:13	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0623-S1(092716)PDB **Lab ID: 50155366019** Collected: 09/27/16 10:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 04:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/07/16 04:13	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	79-116	1		10/07/16 04:13	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 04:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0622-S1(092716)PDB **Lab ID: 50155366020** Collected: 09/27/16 10:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 04:45	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 04:45	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 04:45	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 04:45	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 04:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 04:45	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 04:45	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 04:45	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 04:45	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 04:45	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 04:45	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/07/16 04:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 04:45	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 04:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 04:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 04:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 04:45	75-35-4	
cis-1,2-Dichloroethene	**1420**	ug/L	50.0	10		10/07/16 04:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 04:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 04:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 04:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 04:45	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 04:45	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 04:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 04:45	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 04:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 04:45	108-87-2	N2
Methylene Chloride	**132**	ug/L	50.0	10		10/07/16 04:45	75-09-2	~~B,C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 04:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 04:45	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 04:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 04:45	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 04:45	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 04:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 04:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 04:45	79-00-5	
Trichloroethene	**12100**	ug/L	500	100		10/11/16 06:20	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 04:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 04:45	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 04:45	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0622-S1(092716)PDB **Lab ID: 50155366020** Collected: 09/27/16 10:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 04:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	10		10/07/16 04:45	1868-53-7	D4
4-Bromofluorobenzene (S)	101	%.	79-116	10		10/07/16 04:45	460-00-4	
Toluene-d8 (S)	93	%.	86-110	10		10/07/16 04:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0620-S1(092716)PDB **Lab ID: 50155366021** Collected: 09/27/16 10:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 05:17	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 05:17	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 05:17	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 05:17	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 05:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 05:17	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 05:17	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 05:17	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 05:17	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 05:17	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 05:17	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/07/16 05:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 05:17	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 05:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 05:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 05:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:17	75-35-4	
cis-1,2-Dichloroethene	**1150**	ug/L	50.0	10		10/07/16 05:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 05:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:17	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 05:17	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 05:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 05:17	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 05:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 05:17	108-87-2	N2
Methylene Chloride	**133**	ug/L	50.0	10		10/07/16 05:17	75-09-2	~~B,C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 05:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 05:17	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 05:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 05:17	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 05:17	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 05:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:17	79-00-5	
Trichloroethene	**1680**	ug/L	50.0	10		10/07/16 05:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 05:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 05:17	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 05:17	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0620-S1(092716)PDB **Lab ID: 50155366021** Collected: 09/27/16 10:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 05:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	10		10/07/16 05:17	1868-53-7	D4
4-Bromofluorobenzene (S)	104	%.	79-116	10		10/07/16 05:17	460-00-4	
Toluene-d8 (S)	96	%.	86-110	10		10/07/16 05:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0605-S1(092716)PDB **Lab ID: 50155366022** Collected: 09/27/16 11:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 05:49	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 05:49	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 05:49	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 05:49	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 05:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 05:49	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 05:49	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 05:49	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 05:49	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 05:49	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 05:49	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/07/16 05:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 05:49	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 05:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 05:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 05:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 05:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 05:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 05:49	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 05:49	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 05:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 05:49	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 05:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 05:49	108-87-2	N2
Methylene Chloride	**116**	ug/L	50.0	10		10/07/16 05:49	75-09-2	~~B,C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 05:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 05:49	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 05:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 05:49	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 05:49	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 05:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 05:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 05:49	79-00-5	
Trichloroethene	**1100**	ug/L	50.0	10		10/07/16 05:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 05:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 05:49	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 05:49	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0605-S1(092716)PDB **Lab ID: 50155366022** Collected: 09/27/16 11:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 05:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	10		10/07/16 05:49	1868-53-7	D4
4-Bromofluorobenzene (S)	102	%.	79-116	10		10/07/16 05:49	460-00-4	
Toluene-d8 (S)	94	%.	86-110	10		10/07/16 05:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-2(092716)RW **Lab ID: 50155366023** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 06:21	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 06:21	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 06:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 06:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 06:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 06:21	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 06:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 06:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 06:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 06:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 06:21	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/07/16 06:21	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 06:21	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 06:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 06:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 06:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 06:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 06:21	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 06:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 06:21	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 06:21	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 06:21	108-87-2	N2
Methylene Chloride	**5.7**	ug/L	5.0	1		10/07/16 06:21	75-09-2	B,C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 06:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 06:21	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 06:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 06:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 06:21	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 06:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 06:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 06:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 06:21	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 06:21	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: TB-2(092716)RW **Lab ID: 50155366023** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 06:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/07/16 06:21	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 06:21	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 06:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-2(092716)RW **Lab ID: 50155366024** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 06:53	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 06:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 06:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 06:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 06:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 06:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 06:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 06:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 06:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 06:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 06:53	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/07/16 06:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 06:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 06:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 06:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 06:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	107-06-2	
1,1-Dichloroethene	**6.2**	ug/L	5.0	1		10/07/16 06:53	75-35-4	
cis-1,2-Dichloroethene	**1470**	ug/L	1000	200		10/11/16 06:52	156-59-2	D
trans-1,2-Dichloroethene	**22.7**	ug/L	5.0	1		10/07/16 06:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 06:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 06:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 06:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 06:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 06:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 06:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 06:53	108-87-2	N2
Methylene Chloride	**6.0**	ug/L	5.0	1		10/07/16 06:53	75-09-2	~~B,C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 06:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 06:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 06:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 06:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 06:53	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 06:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 06:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 06:53	79-00-5	
Trichloroethene	**11500**	ug/L	1000	200		10/11/16 06:52	79-01-6	D
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 06:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 06:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 06:53	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-2(092716)RW **Lab ID: 50155366024** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 06:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	1		10/07/16 06:53	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 06:53	460-00-4	
Toluene-d8 (S)	95	%.	86-110	1		10/07/16 06:53	2037-26-5	

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7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0621-S1(092716)PDB **Lab ID: 50155366025** Collected: 09/27/16 11:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 07:25	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 07:25	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 07:25	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 07:25	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 07:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 07:25	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 07:25	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 07:25	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 07:25	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 07:25	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 07:25	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/07/16 07:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 07:25	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 07:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 07:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 07:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 07:25	75-35-4	
cis-1,2-Dichloroethene	**174**	ug/L	50.0	10		10/07/16 07:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/16 07:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 07:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 07:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 07:25	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 07:25	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 07:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 07:25	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 07:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 07:25	108-87-2	N2
Methylene Chloride	**111**	ug/L	50.0	10		10/07/16 07:25	75-09-2	~~B,C~~9 UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 07:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 07:25	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 07:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 07:25	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 07:25	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 07:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 07:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 07:25	79-00-5	
Trichloroethene	**4000**	ug/L	100	20		10/11/16 07:23	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 07:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 07:25	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 07:25	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0621-S1(092716)PDB **Lab ID: 50155366025** Collected: 09/27/16 11:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 07:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	84-118	10		10/07/16 07:25	1868-53-7	D4
4-Bromofluorobenzene (S)	102	%.	79-116	10		10/07/16 07:25	460-00-4	
Toluene-d8 (S)	94	%.	86-110	10		10/07/16 07:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0505-S1(092716)PDB **Lab ID: 50155366026** Collected: 09/27/16 11:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 07:57	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 07:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 07:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 07:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 07:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 07:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 07:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 07:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 07:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 07:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 07:57	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/07/16 07:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 07:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 07:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 07:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 07:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:57	75-35-4	
cis-1,2-Dichloroethene	**5.1**	ug/L	5.0	1		10/07/16 07:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 07:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 07:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 07:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 07:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 07:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 07:57	108-87-2	N2
Methylene Chloride	**7.7**	ug/L	5.0	1		10/07/16 07:57	75-09-2	~~B,C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 07:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 07:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 07:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 07:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 07:57	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 07:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:57	79-00-5	
Trichloroethene	**7.6**	ug/L	5.0	1		10/07/16 07:57	79-01-6	C0
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 07:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 07:57	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 07:57	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0505-S1(092716)PDB **Lab ID: 50155366026** Collected: 09/27/16 11:20 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 07:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 07:57	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 07:57	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 07:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0504-S1(092716)PDB **Lab ID: 50155366027** Collected: 09/27/16 11:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 08:29	67-64-1	
Benzene	ND	ug/L	50.0	10		10/07/16 08:29	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 08:29	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 08:29	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 08:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 08:29	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 08:29	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 08:29	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 08:29	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 08:29	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 08:29	74-87-3	J
Cyclohexane	ND	ug/L	1000	10		10/07/16 08:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 08:29	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 08:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 08:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 08:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 08:29	75-35-4	
cis-1,2-Dichloroethene	**661**	ug/L	50.0	10		10/07/16 08:29	156-59-2	
trans-1,2-Dichloroethene	**105**	ug/L	50.0	10		10/07/16 08:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 08:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:29	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 08:29	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 08:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 08:29	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 08:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 08:29	108-87-2	N2
Methylene Chloride	**111**	ug/L	50.0	10		10/07/16 08:29	75-09-2	B,C9 UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 08:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 08:29	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 08:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 08:29	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 08:29	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 08:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:29	79-00-5	
Trichloroethene	**2620**	ug/L	50.0	10		10/07/16 08:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 08:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 08:29	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		10/07/16 08:29	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0504-S1(092716)PDB **Lab ID: 50155366027** Collected: 09/27/16 11:30 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 08:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	84-118	10		10/07/16 08:29	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	10		10/07/16 08:29	460-00-4	
Toluene-d8 (S)	93	%.	86-110	10		10/07/16 08:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0506-S1(092716)PDB **Lab ID: 50155366028** Collected: 09/27/16 11:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 03:25	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 03:25	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 03:25	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 03:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 03:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 03:25	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 03:25	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 03:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 03:25	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 03:25	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 03:25	74-87-3	J
Cyclohexane	ND	ug/L	100	1		10/07/16 03:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 03:25	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 03:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 03:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 03:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 03:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:25	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 03:25	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 03:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 03:25	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 03:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 03:25	108-87-2	N2
Methylene Chloride	**7.1**	ug/L	5.0	1		10/07/16 03:25	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 03:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 03:25	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 03:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 03:25	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 03:25	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 03:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:25	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 03:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 03:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 03:25	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 03:25	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0506-S1(092716)PDB **Lab ID: 50155366028** Collected: 09/27/16 11:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 03:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/07/16 03:25	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 03:25	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 03:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-1(092716)RW **Lab ID: 50155366029** Collected: 09/27/16 11:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 03:57	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 03:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 03:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 03:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 03:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 03:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 03:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 03:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 03:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 03:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 03:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 03:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 03:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 03:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 03:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 03:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 03:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 03:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 03:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 03:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 03:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 03:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 03:57	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 03:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 03:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 03:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 03:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 03:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 03:57	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 03:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 03:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 03:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 03:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 03:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 03:57	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 03:57	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: EB-1(092716)RW **Lab ID: 50155366029** Collected: 09/27/16 11:40 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 03:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 03:57	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 03:57	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 03:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0617-S1(092716)PDB **Lab ID: 50155366030** Collected: 09/27/16 11:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 04:29	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 04:29	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 04:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 04:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 04:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 04:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 04:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 04:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 04:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 04:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 04:29	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 04:29	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 04:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 04:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 04:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 04:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 04:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 04:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 04:29	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 04:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 04:29	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 04:29	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 04:29	108-87-2	N2
Methylene Chloride	**6.3**	ug/L	5.0	1		10/07/16 04:29	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 04:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 04:29	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 04:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 04:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 04:29	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 04:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 04:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 04:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 04:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 04:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 04:29	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 04:29	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0617-S1(092716)PDB **Lab ID: 50155366030** Collected: 09/27/16 11:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 04:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 04:29	1868-53-7	
4-Bromofluorobenzene (S)	105	%.	79-116	1		10/07/16 04:29	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 04:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0507-S1(092716)PDB **Lab ID: 50155366031** Collected: 09/27/16 12:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 05:01	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 05:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 05:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 05:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 05:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 05:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 05:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 05:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 05:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 05:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 05:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 05:01	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 05:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 05:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 05:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 05:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:01	75-35-4	
cis-1,2-Dichloroethene	**9.9**	ug/L	5.0	1		10/07/16 05:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 05:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 05:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 05:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 05:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 05:01	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 05:01	108-87-2	N2
Methylene Chloride	**5.9**	ug/L	5.0	1		10/07/16 05:01	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 05:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 05:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 05:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 05:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 05:01	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 05:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 05:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 05:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 05:01	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 05:01	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0507-S1(092716)PDB **Lab ID: 50155366031** Collected: 09/27/16 12:05 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 05:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 05:01	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 05:01	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 05:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0503-S1(092716)PDB **Lab ID: 50155366032** Collected: 09/27/16 12:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**217**	ug/L	100	1		10/07/16 05:33	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 05:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 05:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 05:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 05:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 05:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 05:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 05:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 05:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 05:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 05:33	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 05:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 05:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 05:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 05:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 05:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 05:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 05:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 05:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 05:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 05:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 05:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 05:33	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 05:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 05:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 05:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 05:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 05:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 05:33	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 05:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 05:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 05:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 05:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 05:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 05:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 05:33	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0503-S1(092716)PDB **Lab ID: 50155366032** Collected: 09/27/16 12:15 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 05:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	84-118	1		10/07/16 05:33	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 05:33	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 05:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0517-S1(092716)PDB **Lab ID: 50155366033** Collected: 09/27/16 12:25 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 07:09	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 07:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 07:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 07:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 07:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 07:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 07:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 07:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 07:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 07:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 07:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 07:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 07:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 07:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 07:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 07:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:09	75-35-4	
cis-1,2-Dichloroethene	**145**	ug/L	5.0	1		10/07/16 07:09	156-59-2	
trans-1,2-Dichloroethene	**42.0**	ug/L	5.0	1		10/07/16 07:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 07:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 07:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 07:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 07:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 07:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 07:09	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 07:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 07:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 07:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 07:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 07:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 07:09	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 07:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:09	79-00-5	
Trichloroethene	**760**	ug/L	25.0	5		10/11/16 04:11	79-01-6	D
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 07:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 07:09	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 07:09	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0517-S1(092716)PDB **Lab ID: 50155366033** Collected: 09/27/16 12:25 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 07:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	84-118	1		10/07/16 07:09	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-116	1		10/07/16 07:09	460-00-4	
Toluene-d8 (S)	90	%.	86-110	1		10/07/16 07:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0604-S1(092716)PDB **Lab ID: 50155366034** Collected: 09/27/16 12:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	1		10/07/16 07:41	67-64-1	J	
Benzene	ND	ug/L	5.0	1		10/07/16 07:41	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 07:41	75-27-4		
Bromoform	ND	ug/L	5.0	1		10/07/16 07:41	75-25-2		
Bromomethane	ND	ug/L	5.0	1		10/07/16 07:41	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 07:41	78-93-3		
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 07:41	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 07:41	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	108-90-7		
Chloroethane	ND	ug/L	5.0	1		10/07/16 07:41	75-00-3		
Chloroform	ND	ug/L	5.0	1		10/07/16 07:41	67-66-3		
Chloromethane	ND	ug/L	5.0	1		10/07/16 07:41	74-87-3		
Cyclohexane	ND	ug/L	100	1		10/07/16 07:41	110-82-7	N2	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 07:41	96-12-8		
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 07:41	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 07:41	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	106-46-7		
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 07:41	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 07:41	75-35-4		
cis-1,2-Dichloroethene	**344**	ug/L	25.0	5		10/11/16 04:43	156-59-2		
trans-1,2-Dichloroethene	**37.8**	ug/L	5.0	1		10/07/16 07:41	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 07:41	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:41	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 07:41	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 07:41	100-41-4		
2-Hexanone	ND	ug/L	25.0	1		10/07/16 07:41	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 07:41	98-82-8		
Methyl acetate	ND	ug/L	50.0	1		10/07/16 07:41	79-20-9	N2	
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 07:41	108-87-2	N2	
Methylene Chloride	**5.1**	ug/L	5.0	1		10/07/16 07:41	75-09-2	~~C9~~	UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 07:41	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 07:41	1634-04-4		
Styrene	ND	ug/L	5.0	1		10/07/16 07:41	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 07:41	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 07:41	127-18-4		
Toluene	ND	ug/L	5.0	1		10/07/16 07:41	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 07:41	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 07:41	79-00-5		
Trichloroethene	**1190**	ug/L	25.0	5		10/11/16 04:43	79-01-6	D	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 07:41	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 07:41	76-13-1		
Vinyl chloride	**11.8**	ug/L	2.0	1		10/07/16 07:41	75-01-4		

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0604-S1(092716)PDB **Lab ID: 50155366034** Collected: 09/27/16 12:35 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 07:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/07/16 07:41	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		10/07/16 07:41	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 07:41	2037-26-5	

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7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0101-S1U(092716)PDB **Lab ID: 50155366035** Collected: 09/27/16 12:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/16 08:13	67-64-1	J
Benzene	ND	ug/L	50.0	10		10/07/16 08:13	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		10/07/16 08:13	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/16 08:13	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/16 08:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/16 08:13	78-93-3	
Carbon disulfide	ND	ug/L	100	10		10/07/16 08:13	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/16 08:13	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	108-90-7	
Chloroethane	ND	ug/L	50.0	10		10/07/16 08:13	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/16 08:13	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/16 08:13	74-87-3	
Cyclohexane	ND	ug/L	1000	10		10/07/16 08:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		10/07/16 08:13	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/16 08:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/16 08:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/16 08:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/16 08:13	75-35-4	
cis-1,2-Dichloroethene	**2330**	ug/L	50.0	10		10/07/16 08:13	156-59-2	
trans-1,2-Dichloroethene	**69.5**	ug/L	50.0	10		10/07/16 08:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/16 08:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/16 08:13	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/16 08:13	100-41-4	
2-Hexanone	ND	ug/L	250	10		10/07/16 08:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/16 08:13	98-82-8	
Methyl acetate	ND	ug/L	500	10		10/07/16 08:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		10/07/16 08:13	108-87-2	N2
Methylene Chloride	**110**	ug/L	50.0	10		10/07/16 08:13	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/16 08:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/16 08:13	1634-04-4	
Styrene	ND	ug/L	50.0	10		10/07/16 08:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/16 08:13	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/16 08:13	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/16 08:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/16 08:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/16 08:13	79-00-5	
Trichloroethene	**18500**	ug/L	500	100		10/11/16 05:15	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/16 08:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		10/07/16 08:13	76-13-1	
Vinyl chloride	**33.2**	ug/L	20.0	10		10/07/16 08:13	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0101-S1U(092716)PDB **Lab ID: 50155366035** Collected: 09/27/16 12:45 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		10/07/16 08:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	10		10/07/16 08:13	1868-53-7	D4
4-Bromofluorobenzene (S)	104	%.	79-116	10		10/07/16 08:13	460-00-4	
Toluene-d8 (S)	92	%.	86-110	10		10/07/16 08:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-1(092716)RW **Lab ID: 50155366036** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 08:45	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 08:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 08:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 08:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 08:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 08:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 08:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 08:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 08:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 08:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 08:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 08:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 08:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 08:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 08:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 08:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 08:45	75-35-4	
cis-1,2-Dichloroethene	**145**	ug/L	5.0	1		10/07/16 08:45	156-59-2	
trans-1,2-Dichloroethene	**40.6**	ug/L	5.0	1		10/07/16 08:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 08:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 08:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 08:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 08:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 08:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 08:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 08:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 08:45	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 08:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 08:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 08:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 08:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 08:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 08:45	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 08:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 08:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 08:45	79-00-5	
Trichloroethene	**809**	ug/L	25.0	5		10/11/16 05:48	79-01-6	D
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 08:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 08:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 08:45	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: FD-1(092716)RW **Lab ID: 50155366036** Collected: 09/27/16 08:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 08:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 08:45	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		10/07/16 08:45	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		10/07/16 08:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0502-S1(091716)PDB **Lab ID: 50155366037** Collected: 09/27/16 12:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 09:17	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 09:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 09:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 09:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 09:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 09:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 09:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 09:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 09:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 09:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 09:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 09:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 09:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 09:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 09:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 09:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 09:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 09:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 09:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 09:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 09:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 09:17	108-87-2	N2
Methylene Chloride	**5.3**	ug/L	5.0	1		10/07/16 09:17	75-09-2	~~C9~~ UB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 09:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 09:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 09:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 09:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 09:17	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 09:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 09:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 09:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 09:17	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 09:17	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0502-S1(091716)PDB **Lab ID: 50155366037** Collected: 09/27/16 12:50 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 09:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/07/16 09:17	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-116	1		10/07/16 09:17	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/07/16 09:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0516-S1(091716)PDB **Lab ID: 50155366038** Collected: 09/27/16 13:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 09:49	67-64-1	J
Benzene	ND	ug/L	5.0	1		10/07/16 09:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 09:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 09:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 09:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 09:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 09:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 09:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 09:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 09:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 09:49	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 09:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 09:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 09:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 09:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 09:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 09:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 09:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 09:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 09:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		10/07/16 09:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 09:49	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 09:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 09:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 09:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 09:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 09:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 09:49	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 09:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 09:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 09:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 09:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 09:49	75-01-4	

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0516-S1(091716)PDB **Lab ID: 50155366038** Collected: 09/27/16 13:00 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/16 09:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	84-118	1		10/07/16 09:49	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-116	1		10/07/16 09:49	460-00-4	
Toluene-d8 (S)	91	%.	86-110	1		10/07/16 09:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0603-S1(091716)PDB **Lab ID: 50155366039** Collected: 09/27/16 13:10 Received: 09/28/16 13:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/16 09:01	67-64-1	
Benzene	ND	ug/L	5.0	1		10/07/16 09:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		10/07/16 09:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/16 09:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/16 09:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/16 09:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		10/07/16 09:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/16 09:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/16 09:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/16 09:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/16 09:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		10/07/16 09:01	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		10/07/16 09:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/16 09:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/16 09:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/16 09:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/16 09:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/16 09:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/16 09:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		10/07/16 09:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/16 09:01	98-82-8	J
Methyl acetate	ND	ug/L	50.0	1		10/07/16 09:01	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		10/07/16 09:01	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		10/07/16 09:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/16 09:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/16 09:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		10/07/16 09:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/16 09:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/16 09:01	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/16 09:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/16 09:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/16 09:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/16 09:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/16 09:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		10/07/16 09:01	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		10/07/16 09:01	75-01-4	

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ANALYTICAL RESULTS

Project: Former GM Delco Plant 5
Pace Project No.: 50155366

Sample: MW-0603-S1(091716)PDB **Lab ID: 50155366039** Collected: 09/27/16 13:10 Received: 09/28/16 13:14 Matrix: Water

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Xylene (Total)	ND	ug/L	10.0	1		10/07/16 09:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	84-118	1		10/07/16 09:01	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		10/07/16 09:01	460-00-4	
Toluene-d8 (S)	93	%.	86-110	1		10/07/16 09:01	2037-26-5	

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