

ANALYTICAL REPORT

Job Number: 460-43270-1

Job Description: 17338-TO4-2012, GM Wilmington

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304
Attention: Ms. Sue Scrocchi



Approved for release.
Jannel O Franklin
Project Manager I
8/14/2012 3:24 PM

Designee for
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08/14/2012

cc: Chris Barton

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17338-TO4-2012, GM Wilmington

Report Number: 460-43270-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 8/7/2012 7:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

Except:

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): All samples labeled as VAS2 / coc reads VAS1

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-43270-1 through 460-43270-4 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/10/2012.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries of several analytes were outside control limits in batch 123484. Toluene was present in the original sample at a high concentration relative to the spike amount. The associated laboratory control sample (LCS) recovery met acceptance criteria. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples 460-43270-1(5X) and 460-43270-4(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-43270-1	WG-17338-080712-VAS1-MM-2 00	Water	08/07/2012 1030	08/07/2012 1915
460-43270-2	WG-17338-080712-VAS1-MM-2 01	Water	08/07/2012 1215	08/07/2012 1915
460-43270-3	WG-17338-080712-VAS1-MM-2 02	Water	08/07/2012 1230	08/07/2012 1915
460-43270-4	WG-17338-080712-VAS1-MM-2 03	Water	08/07/2012 1245	08/07/2012 1915

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43270-1	WG-17338-080712-VAS1-MM-200					
Acetone		150		25	ug/L	8260B
2-Butanone (MEK)		36		25	ug/L	8260B
Ethylbenzene		360		5.0	ug/L	8260B
Cyclohexane		220		5.0	ug/L	8260B
Benzene		570		5.0	ug/L	8260B
Methylcyclohexane		130		5.0	ug/L	8260B
Toluene		1200		5.0	ug/L	8260B
Xylenes, Total		1700		15	ug/L	8260B
Styrene		9.3		5.0	ug/L	8260B
Isopropylbenzene		26		5.0	ug/L	8260B
460-43270-2	WG-17338-080712-VAS1-MM-201					
2-Butanone (MEK)		5.9		5.0	ug/L	8260B
Ethylbenzene		12		1.0	ug/L	8260B
Cyclohexane		8.7		1.0	ug/L	8260B
Benzene		50		1.0	ug/L	8260B
Methylcyclohexane		9.7		1.0	ug/L	8260B
Toluene		11		1.0	ug/L	8260B
Xylenes, Total		34		3.0	ug/L	8260B
Styrene		0.15	J	1.0	ug/L	8260B
Isopropylbenzene		29		1.0	ug/L	8260B
460-43270-3	WG-17338-080712-VAS1-MM-202					
Ethylbenzene		27		1.0	ug/L	8260B
Cyclohexane		28		1.0	ug/L	8260B
Benzene		46		1.0	ug/L	8260B
Methylcyclohexane		26		1.0	ug/L	8260B
Toluene		35		1.0	ug/L	8260B
Xylenes, Total		100		3.0	ug/L	8260B
Styrene		0.40	J	1.0	ug/L	8260B
Isopropylbenzene		24		1.0	ug/L	8260B
460-43270-4	WG-17338-080712-VAS1-MM-203					
2-Butanone (MEK)		14		10	ug/L	8260B
Ethylbenzene		90		2.0	ug/L	8260B
Cyclohexane		28		2.0	ug/L	8260B
Benzene		81		2.0	ug/L	8260B
Methylcyclohexane		14		2.0	ug/L	8260B
Toluene		440		2.0	ug/L	8260B
Xylenes, Total		390		6.0	ug/L	8260B
Styrene		2.3		2.0	ug/L	8260B
Isopropylbenzene		8.4		2.0	ug/L	8260B

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organics (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B

Lab References:

TAL EDI = TestAmerica Edison

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Method	Analyst	Analyst ID
SW846 8260B	Tupayachi, Audberto	AT

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-200

Lab Sample ID: 460-43270-1

Date Sampled: 08/07/2012 1030

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06560.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1205			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1205				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.30	U	0.30	5.0
Dichlorodifluoromethane	1.1	U	1.1	5.0
Chloromethane	0.50	U	0.50	5.0
Vinyl chloride	0.70	U	0.70	5.0
Bromomethane	0.90	U	0.90	5.0
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	5.0
1,2-Dichlorobenzene	1.1	U	1.1	5.0
Trichlorofluoromethane	0.75	U	0.75	5.0
1,1-Dichloroethene	0.45	U	0.45	5.0
1,2-Dichloropropane	0.45	U	0.45	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40	U	0.40	5.0
Acetone	150		13	25
Carbon disulfide	0.65	U	0.65	5.0
Methyl acetate	1.7	U	1.7	10
Methylene Chloride	0.90	U	0.90	5.0
trans-1,2-Dichloroethene	0.65	U	0.65	5.0
Chlorodibromomethane	1.0	U	1.0	5.0
Methyl tert-butyl ether	0.70	U	0.70	5.0
Chloroethane	0.85	U	0.85	5.0
1,1-Dichloroethane	0.65	U	0.65	5.0
cis-1,2-Dichloroethene	0.90	U	0.90	5.0
2-Butanone (MEK)	36		12	25
Chloroform	0.40	U	0.40	5.0
Ethylbenzene	360		0.50	5.0
Cyclohexane	220		0.80	5.0
Carbon tetrachloride	0.30	U	0.30	5.0
Benzene	570		0.40	5.0
1,2-Dichloroethane	0.95	U	0.95	5.0
Trichloroethene	0.45	U	0.45	5.0
Methylcyclohexane	130		0.70	5.0
Dichlorobromomethane	0.60	U	0.60	5.0
cis-1,3-Dichloropropene	0.90	U	0.90	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	25
Toluene	1200		0.75	5.0
trans-1,3-Dichloropropene	1.2	U	1.2	5.0
1,1,2-Trichloroethane	0.95	U	0.95	5.0
Tetrachloroethene	0.50	U	0.50	5.0
2-Hexanone	2.5	U	2.5	25
1,2-Dibromoethane	1.4	U	1.4	5.0
Chlorobenzene	0.55	U	0.55	5.0
Xylenes, Total	1700		1.8	15
Styrene	9.3		0.60	5.0
Bromoform	0.95	U	0.95	5.0
Isopropylbenzene	26		0.40	5.0
1,1,2,2-Tetrachloroethane	0.80	U	0.80	5.0
1,3-Dichlorobenzene	0.70	U	0.70	5.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-200

Lab Sample ID: 460-43270-1

Date Sampled: 08/07/2012 1030

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06560.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1205			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1205				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	1.2	U	1.2	5.0
1,2,4-Trichlorobenzene	1.7	U	1.7	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 130
4-Bromofluorobenzene	95		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-200

Lab Sample ID: 460-43270-1

Date Sampled: 08/07/2012 1030

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06560.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1205			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1205				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C4H10 Alkane	1.00	240	J
	C5H12 Alkane	1.20	630	J
	C5H12 Alkane-1	1.30	490	J
	C5H10 Alkene	1.36	200	J
	C5H10 Cycloalkane	1.44	380	J
	C6H14 Alkane	1.74	570	J
	C6H12 Cycloalkane	2.35	230	J
	C9H12 Aromatic	9.15	290	J
	C9H12 Aromatic-1	9.92	420	J
91-20-3	Naphthalene	13.28	150	J N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-201

Lab Sample ID: 460-43270-2

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06561.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1229			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1229				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	5.9		2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	12		0.10	1.0
Cyclohexane	8.7		0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	50		0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	9.7		0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	11		0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	34		0.36	3.0
Styrene	0.15	J	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	29		0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-201

Lab Sample ID: 460-43270-2

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06561.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1229			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1229				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
4-Bromofluorobenzene	96		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-201

Lab Sample ID: 460-43270-2

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06561.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1229			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1229				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C5H12 Alkane	1.21	290	J
	C6H14 Alkane	1.73	62	J
	C6H14 Alkane-1	1.86	57	J
	C9H12 Aromatic	8.98	21	J
	C9H10 Aromatic	10.77	22	J
	C10H14 Aromatic	11.59	38	J
	C10H14 Aromatic-1	11.67	56	J
	C10H12 Aromatic	12.55	40	J
	C10H14 Aromatic-2	12.61	22	J
91-57-6	Naphthalene, 2-methyl-	14.25	20	J N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-202

Lab Sample ID: 460-43270-3

Date Sampled: 08/07/2012 1230

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06562.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1252			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1252				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U	2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	27		0.10	1.0
Cyclohexane	28		0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	46		0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	26		0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	35		0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	100		0.36	3.0
Styrene	0.40	J	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	24		0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-202

Lab Sample ID: 460-43270-3

Date Sampled: 08/07/2012 1230

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06562.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1252			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1252				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
4-Bromofluorobenzene	96		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-202

Lab Sample ID: 460-43270-3

Date Sampled: 08/07/2012 1230

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06562.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1252			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1252				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C5H12 Alkane	1.21	220	J
	C6H14 Alkane	1.74	93	J
	C6H14 Alkane-1	1.86	49	J
	C9H12 Aromatic	9.15	38	J
	C9H12 Aromatic-1	9.92	48	J
	C10H14 Aromatic	11.59	45	J
	C10H12 Aromatic	11.67	50	J
	C10H12 Aromatic-1	12.56	53	J
	C10H14 Aromatic-1	12.61	32	J
91-57-6	Naphthalene, 2-methyl-	14.25	31	J N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-203

Lab Sample ID: 460-43270-4

Date Sampled: 08/07/2012 1245

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06563.d
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1315			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1315				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.12	U	0.12	2.0
Dichlorodifluoromethane	0.44	U	0.44	2.0
Chloromethane	0.20	U	0.20	2.0
Vinyl chloride	0.28	U	0.28	2.0
Bromomethane	0.36	U	0.36	2.0
1,2-Dibromo-3-Chloropropane	0.80	U	0.80	2.0
1,2-Dichlorobenzene	0.42	U	0.42	2.0
Trichlorofluoromethane	0.30	U	0.30	2.0
1,1-Dichloroethene	0.18	U	0.18	2.0
1,2-Dichloropropane	0.18	U	0.18	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.16	U	0.16	2.0
Acetone	5.4	U	5.4	10
Carbon disulfide	0.26	U	0.26	2.0
Methyl acetate	0.68	U	0.68	4.0
Methylene Chloride	0.36	U	0.36	2.0
trans-1,2-Dichloroethene	0.26	U	0.26	2.0
Chlorodibromomethane	0.40	U	0.40	2.0
Methyl tert-butyl ether	0.28	U	0.28	2.0
Chloroethane	0.34	U	0.34	2.0
1,1-Dichloroethane	0.26	U	0.26	2.0
cis-1,2-Dichloroethene	0.36	U	0.36	2.0
2-Butanone (MEK)	14		4.6	10
Chloroform	0.16	U	0.16	2.0
Ethylbenzene	90		0.20	2.0
Cyclohexane	28		0.32	2.0
Carbon tetrachloride	0.12	U	0.12	2.0
Benzene	81		0.16	2.0
1,2-Dichloroethane	0.38	U	0.38	2.0
Trichloroethene	0.18	U	0.18	2.0
Methylcyclohexane	14		0.28	2.0
Dichlorobromomethane	0.24	U	0.24	2.0
cis-1,3-Dichloropropene	0.36	U	0.36	2.0
4-Methyl-2-pentanone (MIBK)	2.0	U	2.0	10
Toluene	440		0.30	2.0
trans-1,3-Dichloropropene	0.48	U	0.48	2.0
1,1,2-Trichloroethane	0.38	U	0.38	2.0
Tetrachloroethene	0.20	U	0.20	2.0
2-Hexanone	1.0	U	1.0	10
1,2-Dibromoethane	0.56	U	0.56	2.0
Chlorobenzene	0.22	U	0.22	2.0
Xylenes, Total	390		0.72	6.0
Styrene	2.3		0.24	2.0
Bromoform	0.38	U	0.38	2.0
Isopropylbenzene	8.4		0.16	2.0
1,1,2,2-Tetrachloroethane	0.32	U	0.32	2.0
1,3-Dichlorobenzene	0.28	U	0.28	2.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-203

Lab Sample ID: 460-43270-4

Date Sampled: 08/07/2012 1245

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06563.d
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1315			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1315				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.46	U	0.46	2.0
1,2,4-Trichlorobenzene	0.68	U	0.68	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 130
4-Bromofluorobenzene	95		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Client Sample ID: WG-17338-080712-VAS1-MM-203

Lab Sample ID: 460-43270-4

Date Sampled: 08/07/2012 1245

Client Matrix: Water

Date Received: 08/07/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e06563.d
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1315			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1315				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C5H12 Alkane	1.20	70	J
	C5H10 Alkene	1.74	67	J
	C9H12 Aromatic	9.15	49	J
	C9H12 Aromatic-1	9.92	66	J
	C9H12 Aromatic-2	10.60	29	J
	C9H10 Aromatic	10.77	34	J
91-20-3	Naphthalene	13.28	33	J N
91-57-6	Naphthalene, 2-methyl-	14.25	51	J N
90-12-0	Naphthalene, 1-methyl-	14.38	38	J N
	Dimethylnaphthalene isomer	15.15	42	J

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Surrogate Recovery Report

8260B Volatile Organics (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-43270-1	WG-17338-080712-V AS1-MM-200	115	96	95
460-43270-2	WG-17338-080712-V AS1-MM-201	113	98	96
460-43270-3	WG-17338-080712-V AS1-MM-202	113	96	96
460-43270-4	WG-17338-080712-V AS1-MM-203	108	96	95
MB 460-123484/4		107	94	97
LCS 460-123484/3		103	98	101
460-43270-1 MS	WG-17338-080712-V AS1-MM-200 MS	101	91	90
460-43270-1 MSD	WG-17338-080712-V AS1-MM-200 MSD	105	97	95

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Method Blank - Batch: 460-123484

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-123484/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 08/10/2012 1007
Prep Date: 08/10/2012 1007
Leach Date: N/A

Analysis Batch: 460-123484
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS5
Lab File ID: e06555.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U	2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	0.10	U	0.10	1.0
Cyclohexane	0.16	U	0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	0.36	U	0.36	3.0
Styrene	0.12	U	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	0.080	U	0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Method Blank - Batch: 460-123484

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-123484/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 08/10/2012 1007
 Prep Date: 08/10/2012 1007
 Leach Date: N/A

Analysis Batch: 460-123484
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS5
 Lab File ID: e06555.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 130
4-Bromofluorobenzene	97	70 - 130
Toluene-d8 (Surr)	94	70 - 130

Method Blank TICs- Batch: 460-123484

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Lab Control Sample - Batch: 460-123484

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 460-123484/3
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 08/10/2012 0857
 Prep Date: 08/10/2012 0857
 Leach Date: N/A

Analysis Batch: 460-123484
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS5
 Lab File ID: e06552.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	18.8	94	74 - 128	
Dichlorodifluoromethane	20.0	18.9	95	46 - 145	
Chloromethane	20.0	19.5	97	58 - 146	
Vinyl chloride	20.0	19.4	97	61 - 144	
Bromomethane	20.0	20.1	100	55 - 153	
1,2-Dibromo-3-Chloropropane	20.0	19.6	98	70 - 116	
1,2-Dichlorobenzene	20.0	19.3	96	82 - 122	
Trichlorofluoromethane	20.0	20.1	100	69 - 147	
1,1-Dichloroethene	20.0	19.3	97	56 - 139	
1,2-Dichloropropane	20.0	19.4	97	80 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.1	106	47 - 139	
Acetone	20.0	24.2	121	45 - 156	
Carbon disulfide	20.0	20.3	101	58 - 139	
Methyl acetate	20.0	20.7	104	50 - 151	
Methylene Chloride	20.0	19.6	98	79 - 119	
trans-1,2-Dichloroethene	20.0	18.5	92	75 - 122	
Chlorodibromomethane	20.0	19.0	95	80 - 120	
Methyl tert-butyl ether	20.0	21.2	106	71 - 115	
Chloroethane	20.0	22.3	111	69 - 145	
1,1-Dichloroethane	20.0	18.5	92	78 - 122	
cis-1,2-Dichloroethene	20.0	18.7	93	80 - 120	
2-Butanone (MEK)	20.0	19.8	99	65 - 114	
Chloroform	20.0	18.4	92	82 - 123	
Ethylbenzene	20.0	19.3	97	79 - 126	
Cyclohexane	20.0	20.3	101	58 - 133	
Carbon tetrachloride	20.0	19.4	97	73 - 120	
Benzene	20.0	18.8	94	83 - 124	
1,2-Dichloroethane	20.0	18.0	90	74 - 118	
Trichloroethene	20.0	19.0	95	78 - 119	
Methylcyclohexane	20.0	21.9	110	61 - 129	
Dichlorobromomethane	20.0	19.0	95	79 - 119	
cis-1,3-Dichloropropene	20.0	18.6	93	80 - 120	
4-Methyl-2-pentanone (MIBK)	20.0	21.0	105	53 - 120	
Toluene	20.0	19.0	95	80 - 120	
trans-1,3-Dichloropropene	20.0	18.9	95	78 - 118	
1,1,2-Trichloroethane	20.0	18.8	94	79 - 119	
Tetrachloroethene	20.0	19.3	97	68 - 139	
2-Hexanone	20.0	20.4	102	53 - 121	
1,2-Dibromoethane	20.0	18.5	93	78 - 118	
Chlorobenzene	20.0	18.9	95	81 - 121	
Xylenes, Total	60.0	57.1	95	76 - 121	
Styrene	20.0	19.0	95	69 - 112	
Bromoform	20.0	19.4	97	73 - 123	
Isopropylbenzene	20.0	19.3	97	80 - 125	
1,1,2,2-Tetrachloroethane	20.0	19.9	99	74 - 126	
1,3-Dichlorobenzene	20.0	19.3	97	81 - 126	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Lab Control Sample - Batch: 460-123484

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 460-123484/3	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e06552.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 0857	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 0857				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dichlorobenzene	20.0	19.1	96	83 - 123	
1,2,4-Trichlorobenzene	20.0	19.4	97	66 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	70 - 130
4-Bromofluorobenzene	101	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-123484

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-43270-1	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e06564.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1339				
Leach Date:	N/A				

MSD Lab Sample ID:	460-43270-1	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e06565.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1402			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1402				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	89	90	74 - 128	1	30		
Dichlorodifluoromethane	95	97	46 - 145	2	30		
Chloromethane	103	105	58 - 146	2	30		
Vinyl chloride	102	102	61 - 144	1	30		
Bromomethane	101	103	55 - 153	1	30		
1,2-Dibromo-3-Chloropropane	103	105	70 - 116	2	30		
1,2-Dichlorobenzene	88	90	82 - 122	2	30		
Trichlorofluoromethane	103	100	69 - 147	2	30		
1,1-Dichloroethene	101	103	56 - 139	2	30		
1,2-Dichloropropane	94	98	80 - 120	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	98	47 - 139	5	30		
Acetone	97	105	45 - 156	5	30		
Carbon disulfide	85	92	58 - 139	8	30		
Methyl acetate	103	102	50 - 151	0	30		
Methylene Chloride	93	94	79 - 119	1	30		
trans-1,2-Dichloroethene	90	92	75 - 122	2	30		
Chlorodibromomethane	96	101	80 - 120	5	30		
Methyl tert-butyl ether	104	111	71 - 115	6	30		
Chloroethane	127	108	69 - 145	16	30		
1,1-Dichloroethane	95	96	78 - 122	1	30		
cis-1,2-Dichloroethene	89	92	80 - 120	3	30		
2-Butanone (MEK)	86	91	65 - 114	4	30		
Chloroform	93	97	82 - 123	4	30		
Ethylbenzene	117	124	79 - 126	2	30		
Cyclohexane	83	89	58 - 133	3	30		
Carbon tetrachloride	88	90	73 - 120	2	30		
Benzene	28	45	83 - 124	5	30	F	F
1,2-Dichloroethane	94	94	74 - 118	0	30		
Trichloroethene	89	91	78 - 119	3	30		
Methylcyclohexane	114	115	61 - 129	1	30		
Dichlorobromomethane	95	95	79 - 119	0	30		
cis-1,3-Dichloropropene	89	94	80 - 120	5	30		
4-Methyl-2-pentanone (MIBK)	122	126	53 - 120	3	30	F	F

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-123484

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-43270-1	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e06564.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1339				
Leach Date:	N/A				

MSD Lab Sample ID:	460-43270-1	Analysis Batch:	460-123484	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e06565.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 1402			Final Weight/Volume:	5 mL
Prep Date:	08/10/2012 1402				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Toluene	16	35	80 - 120	3	30	4	4
trans-1,3-Dichloropropene	93	98	78 - 118	5	30		
1,1,2-Trichloroethane	120	123	79 - 119	2	30	F	F
Tetrachloroethene	86	89	68 - 139	3	30		
2-Hexanone	100	107	53 - 121	7	30		
1,2-Dibromoethane	97	100	78 - 118	3	30		
Chlorobenzene	91	92	81 - 121	1	30		
Xylenes, Total	140	147	76 - 121	2	30	F	F
Styrene	87	89	69 - 112	2	30		
Bromoform	99	100	73 - 123	2	30		
Isopropylbenzene	91	93	80 - 125	2	30		
1,1,2,2-Tetrachloroethane	106	110	74 - 126	4	30		
1,3-Dichlorobenzene	86	88	81 - 126	2	30		
1,4-Dichlorobenzene	86	88	83 - 123	2	30		
1,2,4-Trichlorobenzene	81	86	66 - 120	6	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	101		105	70 - 130			
4-Bromofluorobenzene	90		95	70 - 130			
Toluene-d8 (Surr)	91		97	70 - 130			

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-123484**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 460-43270-1 Units: ug/L
Client Matrix: Water
Dilution: 10
Analysis Date: 08/10/2012 1339
Prep Date: 08/10/2012 1339
Leach Date: N/A

MSD Lab Sample ID: 460-43270-1
Client Matrix: Water
Dilution: 10
Analysis Date: 08/10/2012 1402
Prep Date: 08/10/2012 1402
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.30	U	200	200	179	181
Dichlorodifluoromethane	1.1	U	200	200	191	194
Chloromethane	0.50	U	200	200	205	210
Vinyl chloride	0.70	U	200	200	204	205
Bromomethane	0.90	U	200	200	203	205
1,2-Dibromo-3-Chloropropane	2.0	U	200	200	206	210
1,2-Dichlorobenzene	1.1	U	200	200	176	180
Trichlorofluoromethane	0.75	U	200	200	205	200
1,1-Dichloroethene	0.45	U	200	200	203	206
1,2-Dichloropropane	0.45	U	200	200	189	195
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40	U	200	200	186	197
Acetone	150		200	200	343	360
Carbon disulfide	0.65	U	200	200	170	184
Methyl acetate	1.7	U	200	200	205	205
Methylene Chloride	0.90	U	200	200	186	188
trans-1,2-Dichloroethene	0.65	U	200	200	181	184
Chlorodibromomethane	1.0	U	200	200	192	203
Methyl tert-butyl ether	0.70	U	200	200	209	221
Chloroethane	0.85	U	200	200	253	217
1,1-Dichloroethane	0.65	U	200	200	191	193
cis-1,2-Dichloroethene	0.90	U	200	200	178	184
2-Butanone (MEK)	36		200	200	208	217
Chloroform	0.40	U	200	200	186	194
Ethylbenzene	360		200	200	596	609
Cyclohexane	220		200	200	382	395
Carbon tetrachloride	0.30	U	200	200	177	180
Benzene	570		200	200	624	F 659
1,2-Dichloroethane	0.95	U	200	200	187	187
Trichloroethene	0.45	U	200	200	177	182
Methylcyclohexane	130		200	200	355	357
Dichlorobromomethane	0.60	U	200	200	189	190
cis-1,3-Dichloropropene	0.90	U	200	200	179	188
4-Methyl-2-pentanone (MIBK)	5.0	U	200	200	243	F 251
Toluene	1200		200	200	1270	4 1310
trans-1,3-Dichloropropene	1.2	U	200	200	186	196
1,1,2-Trichloroethane	0.95	U	200	200	241	F 246
Tetrachloroethene	0.50	U	200	200	173	177
2-Hexanone	2.5	U	200	200	200	214
1,2-Dibromoethane	1.4	U	200	200	194	200
Chlorobenzene	0.55	U	200	200	181	183
Xylenes, Total	1700		600	600	2540	F 2580
Styrene	9.3		200	200	184	187
Bromoform	0.95	U	200	200	197	200

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 460-123484

Method: 8260B

Preparation: 5030B

MS Lab Sample ID: 460-43270-1 Units: ug/L
Client Matrix: Water
Dilution: 10
Analysis Date: 08/10/2012 1339
Prep Date: 08/10/2012 1339
Leach Date: N/A

MSD Lab Sample ID: 460-43270-1
Client Matrix: Water
Dilution: 10
Analysis Date: 08/10/2012 1402
Prep Date: 08/10/2012 1402
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Isopropylbenzene	26		200	200	209	213
1,1,2,2-Tetrachloroethane	0.80	U	200	200	211	219
1,3-Dichlorobenzene	0.70	U	200	200	172	175
1,4-Dichlorobenzene	1.2	U	200	200	172	175
1,2,4-Trichlorobenzene	1.7	U	200	200	161	171

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Lab Section	Qualifier	Description
GC/MS VOA	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	N	This flag indicates the presumptive evidence of a compound.

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-123484					
LCS 460-123484/3	Lab Control Sample	T	Water	8260B	
MB 460-123484/4	Method Blank	T	Water	8260B	
460-43270-1	WG-17338-080712-VAS1-MM-200	T	Water	8260B	
460-43270-1MS	Matrix Spike	T	Water	8260B	
460-43270-1MSD	Matrix Spike Duplicate	T	Water	8260B	
460-43270-2	WG-17338-080712-VAS1-MM-201	T	Water	8260B	
460-43270-3	WG-17338-080712-VAS1-MM-202	T	Water	8260B	
460-43270-4	WG-17338-080712-VAS1-MM-203	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Laboratory Chronicle

Lab ID: 460-43270-1

Client ID: WG-17338-080712-VAS1-MM-200

Sample Date/Time: 08/07/2012 10:30

Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43270-B-1		460-123484		08/10/2012 12:05	5	TAL EDI	AT
A:8260B	460-43270-B-1		460-123484		08/10/2012 12:05	5	TAL EDI	AT

Lab ID: 460-43270-1 MS

Client ID: WG-17338-080712-VAS1-MM-200

Sample Date/Time: 08/07/2012 10:30

Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43270-B-1 MS		460-123484		08/10/2012 13:39	10	TAL EDI	AT
A:8260B	460-43270-B-1 MS		460-123484		08/10/2012 13:39	10	TAL EDI	AT

Lab ID: 460-43270-1 MSD

Client ID: WG-17338-080712-VAS1-MM-200

Sample Date/Time: 08/07/2012 10:30

Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43270-B-1 MSD		460-123484		08/10/2012 14:02	10	TAL EDI	AT
A:8260B	460-43270-B-1 MSD		460-123484		08/10/2012 14:02	10	TAL EDI	AT

Lab ID: 460-43270-2

Client ID: WG-17338-080712-VAS1-MM-201

Sample Date/Time: 08/07/2012 12:15

Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43270-B-2		460-123484		08/10/2012 12:29	1	TAL EDI	AT
A:8260B	460-43270-B-2		460-123484		08/10/2012 12:29	1	TAL EDI	AT

Lab ID: 460-43270-3

Client ID: WG-17338-080712-VAS1-MM-202

Sample Date/Time: 08/07/2012 12:30

Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43270-B-3		460-123484		08/10/2012 12:52	1	TAL EDI	AT
A:8260B	460-43270-B-3		460-123484		08/10/2012 12:52	1	TAL EDI	AT

Lab ID: 460-43270-4

Client ID: WG-17338-080712-VAS1-MM-203

Sample Date/Time: 08/07/2012 12:45

Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43270-B-4		460-123484		08/10/2012 13:15	2	TAL EDI	AT
A:8260B	460-43270-B-4		460-123484		08/10/2012 13:15	2	TAL EDI	AT

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 460-123484/4		460-123484		08/10/2012 10:07	1	TAL EDI	AT
A:8260B	MB 460-123484/4		460-123484		08/10/2012 10:07	1	TAL EDI	AT

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 460-123484/3		460-123484		08/10/2012 08:57	1	TAL EDI	AT
A:8260B	LCS 460-123484/3		460-123484		08/10/2012 08:57	1	TAL EDI	AT

Lab References:

TAL EDI = TestAmerica Edison

Method 8260 DEL

Volatile Organics (GC/MS) by Method
8260 (Delaware)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): Rtx-VMS ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
WG-17338-080712-VA S1-MM-200	460-43270-1	115	96	95
WG-17338-080712-VA S1-MM-201	460-43270-2	113	98	96
WG-17338-080712-VA S1-MM-202	460-43270-3	113	96	96
WG-17338-080712-VA S1-MM-203	460-43270-4	108	96	95
	MB 460-123484/4	107	94	97
	LCS 460-123484/3	103	98	101
WG-17338-080712-VA S1-MM-200 MS	460-43270-1 MS	101	91	90
WG-17338-080712-VA S1-MM-200 MSD	460-43270-1 MSD	105	97	95

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e06552.d
 Lab ID: LCS 460-123484/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.8	94	74-128	
Dichlorodifluoromethane	20.0	18.9	95	46-145	
Chloromethane	20.0	19.5	97	58-146	
Vinyl chloride	20.0	19.4	97	61-144	
Bromomethane	20.0	20.1	100	55-153	
1,2-Dibromo-3-Chloropropane	20.0	19.6	98	70-116	
1,2-Dichlorobenzene	20.0	19.3	96	82-122	
Trichlorofluoromethane	20.0	20.1	100	69-147	
1,1-Dichloroethene	20.0	19.3	97	56-139	
1,2-Dichloropropane	20.0	19.4	97	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	21.1	106	47-139	
Acetone	20.0	24.2	121	45-156	
Carbon disulfide	20.0	20.3	101	58-139	
Methyl acetate	20.0	20.7	104	50-151	
Methylene Chloride	20.0	19.6	98	79-119	
trans-1,2-Dichloroethene	20.0	18.5	92	75-122	
Chlorodibromomethane	20.0	19.0	95	80-120	
Methyl tert-butyl ether	20.0	21.2	106	71-115	
Chloroethane	20.0	22.3	111	69-145	
1,1-Dichloroethane	20.0	18.5	92	78-122	
cis-1,2-Dichloroethene	20.0	18.7	93	80-120	
2-Butanone (MEK)	20.0	19.8	99	65-114	
Chloroform	20.0	18.4	92	82-123	
Ethylbenzene	20.0	19.3	97	79-126	
Cyclohexane	20.0	20.3	101	58-133	
Carbon tetrachloride	20.0	19.4	97	73-120	
Benzene	20.0	18.8	94	83-124	
1,2-Dichloroethane	20.0	18.0	90	74-118	
Trichloroethene	20.0	19.0	95	78-119	
Methylcyclohexane	20.0	21.9	110	61-129	
Dichlorobromomethane	20.0	19.0	95	79-119	
cis-1,3-Dichloropropene	20.0	18.6	93	80-120	
4-Methyl-2-pentanone (MIBK)	20.0	21.0	105	53-120	
Toluene	20.0	19.0	95	80-120	
trans-1,3-Dichloropropene	20.0	18.9	95	78-118	
1,1,2-Trichloroethane	20.0	18.8	94	79-119	
Tetrachloroethene	20.0	19.3	97	68-139	
2-Hexanone	20.0	20.4	102	53-121	
1,2-Dibromoethane	20.0	18.5	93	78-118	
Chlorobenzene	20.0	18.9	95	81-121	
Xylenes, Total	60.0	57.1	95	76-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: e06552.d
Lab ID: LCS 460-123484/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	19.0	95	69-112	
Bromoform	20.0	19.4	97	73-123	
Isopropylbenzene	20.0	19.3	97	80-125	
1,1,2,2-Tetrachloroethane	20.0	19.9	99	74-126	
1,3-Dichlorobenzene	20.0	19.3	97	81-126	
1,4-Dichlorobenzene	20.0	19.1	96	83-123	
1,2,4-Trichlorobenzene	20.0	19.4	97	66-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e06564.d
 Lab ID: 460-43270-1 MS Client ID: WG-17338-080712-VAS1-MM-200 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	200	0.30 U	179	89	74-128	
Dichlorodifluoromethane	200	1.1 U	191	95	46-145	
Chloromethane	200	0.50 U	205	103	58-146	
Vinyl chloride	200	0.70 U	204	102	61-144	
Bromomethane	200	0.90 U	203	101	55-153	
1,2-Dibromo-3-Chloropropane	200	2.0 U	206	103	70-116	
1,2-Dichlorobenzene	200	1.1 U	176	88	82-122	
Trichlorofluoromethane	200	0.75 U	205	103	69-147	
1,1-Dichloroethene	200	0.45 U	203	101	56-139	
1,2-Dichloropropane	200	0.45 U	189	94	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	200	0.40 U	186	93	47-139	
Acetone	200	150	343	97	45-156	
Carbon disulfide	200	0.65 U	170	85	58-139	
Methyl acetate	200	1.7 U	205	103	50-151	
Methylene Chloride	200	0.90 U	186	93	79-119	
trans-1,2-Dichloroethene	200	0.65 U	181	90	75-122	
Chlorodibromomethane	200	1.0 U	192	96	80-120	
Methyl tert-butyl ether	200	0.70 U	209	104	71-115	
Chloroethane	200	0.85 U	253	127	69-145	
1,1-Dichloroethane	200	0.65 U	191	95	78-122	
cis-1,2-Dichloroethene	200	0.90 U	178	89	80-120	
2-Butanone (MEK)	200	36	208	86	65-114	
Chloroform	200	0.40 U	186	93	82-123	
Ethylbenzene	200	360	596	117	79-126	
Cyclohexane	200	220	382	83	58-133	
Carbon tetrachloride	200	0.30 U	177	88	73-120	
Benzene	200	570	624	28	83-124	F
1,2-Dichloroethane	200	0.95 U	187	94	74-118	
Trichloroethene	200	0.45 U	177	89	78-119	
Methylcyclohexane	200	130	355	114	61-129	
Dichlorobromomethane	200	0.60 U	189	95	79-119	
cis-1,3-Dichloropropene	200	0.90 U	179	89	80-120	
4-Methyl-2-pentanone (MIBK)	200	5.0 U	243	122	53-120	F
Toluene	200	1200	1270	16	80-120	4
trans-1,3-Dichloropropene	200	1.2 U	186	93	78-118	
1,1,2-Trichloroethane	200	0.95 U	241	120	79-119	F
Tetrachloroethene	200	0.50 U	173	86	68-139	
2-Hexanone	200	2.5 U	200	100	53-121	
1,2-Dibromoethane	200	1.4 U	194	97	78-118	
Chlorobenzene	200	0.55 U	181	91	81-121	
Xylenes, Total	600	1700	2540	140	76-121	F

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e06564.d
 Lab ID: 460-43270-1 MS Client ID: WG-17338-080712-VAS1-MM-200 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	200	9.3	184	87	69-112	
Bromoform	200	0.95 U	197	99	73-123	
Isopropylbenzene	200	26	209	91	80-125	
1,1,2,2-Tetrachloroethane	200	0.80 U	211	106	74-126	
1,3-Dichlorobenzene	200	0.70 U	172	86	81-126	
1,4-Dichlorobenzene	200	1.2 U	172	86	83-123	
1,2,4-Trichlorobenzene	200	1.7 U	161	81	66-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e06565.d
 Lab ID: 460-43270-1 MSD Client ID: WG-17338-080712-VAS1-MM-200 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	200	181	90	1	30	74-128	
Dichlorodifluoromethane	200	194	97	2	30	46-145	
Chloromethane	200	210	105	2	30	58-146	
Vinyl chloride	200	205	102	1	30	61-144	
Bromomethane	200	205	103	1	30	55-153	
1,2-Dibromo-3-Chloropropane	200	210	105	2	30	70-116	
1,2-Dichlorobenzene	200	180	90	2	30	82-122	
Trichlorofluoromethane	200	200	100	2	30	69-147	
1,1-Dichloroethene	200	206	103	2	30	56-139	
1,2-Dichloropropane	200	195	98	3	30	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	200	197	98	5	30	47-139	
Acetone	200	360	105	5	30	45-156	
Carbon disulfide	200	184	92	8	30	58-139	
Methyl acetate	200	205	102	0	30	50-151	
Methylene Chloride	200	188	94	1	30	79-119	
trans-1,2-Dichloroethene	200	184	92	2	30	75-122	
Chlorodibromomethane	200	203	101	5	30	80-120	
Methyl tert-butyl ether	200	221	111	6	30	71-115	
Chloroethane	200	217	108	16	30	69-145	
1,1-Dichloroethane	200	193	96	1	30	78-122	
cis-1,2-Dichloroethene	200	184	92	3	30	80-120	
2-Butanone (MEK)	200	217	91	4	30	65-114	
Chloroform	200	194	97	4	30	82-123	
Ethylbenzene	200	609	124	2	30	79-126	
Cyclohexane	200	395	89	3	30	58-133	
Carbon tetrachloride	200	180	90	2	30	73-120	
Benzene	200	659	45	5	30	83-124	F
1,2-Dichloroethane	200	187	94	0	30	74-118	
Trichloroethene	200	182	91	3	30	78-119	
Methylcyclohexane	200	357	115	1	30	61-129	
Dichlorobromomethane	200	190	95	0	30	79-119	
cis-1,3-Dichloropropene	200	188	94	5	30	80-120	
4-Methyl-2-pentanone (MIBK)	200	251	126	3	30	53-120	F
Toluene	200	1310	35	3	30	80-120	4
trans-1,3-Dichloropropene	200	196	98	5	30	78-118	
1,1,2-Trichloroethane	200	246	123	2	30	79-119	F
Tetrachloroethene	200	177	89	3	30	68-139	
2-Hexanone	200	214	107	7	30	53-121	
1,2-Dibromoethane	200	200	100	3	30	78-118	
Chlorobenzene	200	183	92	1	30	81-121	
Xylenes, Total	600	2580	147	2	30	76-121	F

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e06565.d
 Lab ID: 460-43270-1 MSD Client ID: WG-17338-080712-VAS1-MM-200 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Styrene	200	187	89	2	30	69-112	
Bromoform	200	200	100	2	30	73-123	
Isopropylbenzene	200	213	93	2	30	80-125	
1,1,2,2-Tetrachloroethane	200	219	110	4	30	74-126	
1,3-Dichlorobenzene	200	175	88	2	30	81-126	
1,4-Dichlorobenzene	200	175	88	2	30	83-123	
1,2,4-Trichlorobenzene	200	171	86	6	30	66-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Lab File ID: e06555.d Lab Sample ID: MB 460-123484/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS5 Date Analyzed: 08/10/2012 10:07
GC Column: Rtx-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-123484/3	e06552.d	08/10/2012 08:57
WG-17338-080712-VAS1-MM-200	460-43270-1	e06560.d	08/10/2012 12:05
WG-17338-080712-VAS1-MM-201	460-43270-2	e06561.d	08/10/2012 12:29
WG-17338-080712-VAS1-MM-202	460-43270-3	e06562.d	08/10/2012 12:52
WG-17338-080712-VAS1-MM-203	460-43270-4	e06563.d	08/10/2012 13:15
WG-17338-080712-VAS1-MM-200 MS	460-43270-1 MS	e06564.d	08/10/2012 13:39
WG-17338-080712-VAS1-MM-200 MSD	460-43270-1 MSD	e06565.d	08/10/2012 14:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Lab File ID: e05997.d BFB Injection Date: 07/30/2012
Instrument ID: VOAMS5 BFB Injection Time: 03:47
Analysis Batch No.: 121792

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.8
75	30.0 - 60.0 % of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.5 (0.5) 1
174	50.0 - 120.00 % of mass 95	99.7
175	5.0 - 9.0 % of mass 174	6.9 (6.9) 1
176	95.0 - 101.0 % of mass 174	97.6 (97.8) 1
177	5.0 - 9.0 % of mass 176	6.0 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-121792/2	e05999.d	07/30/2012	04:34
	IC 460-121792/3	e06003.d	07/30/2012	06:31
	IC 460-121792/4	e06004.d	07/30/2012	06:55
	IC 460-121792/5	e06005.d	07/30/2012	07:18
	IC 460-121792/6	e06009.d	07/30/2012	08:52
	IC 460-121792/7	e06010.d	07/30/2012	09:39

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Lab File ID: e06550.d BFB Injection Date: 08/10/2012
Instrument ID: VOAMS5 BFB Injection Time: 07:53
Analysis Batch No.: 123484

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.2
75	30.0 - 60.0 % of mass 95	52.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.5 (0.5) 1
174	50.0 - 120.00 % of mass 95	93.2
175	5.0 - 9.0 % of mass 174	7.5 (8.1) 1
176	95.0 - 101.0 % of mass 174	93.7 (100.5) 1
177	5.0 - 9.0 % of mass 176	5.8 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-123484/2	e06551.d	08/10/2012	08:32
	LCS 460-123484/3	e06552.d	08/10/2012	08:57
	MB 460-123484/4	e06555.d	08/10/2012	10:07
WG-17338-080712-VAS1-MM-200	460-43270-1	e06560.d	08/10/2012	12:05
WG-17338-080712-VAS1-MM-201	460-43270-2	e06561.d	08/10/2012	12:29
WG-17338-080712-VAS1-MM-202	460-43270-3	e06562.d	08/10/2012	12:52
WG-17338-080712-VAS1-MM-203	460-43270-4	e06563.d	08/10/2012	13:15
WG-17338-080712-VAS1-MM-200 MS	460-43270-1 MS	e06564.d	08/10/2012	13:39
WG-17338-080712-VAS1-MM-200 MSD	460-43270-1 MSD	e06565.d	08/10/2012	14:02
	CCV 460-123484/17	e06577.d	08/10/2012	19:01

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Sample No.: CCVIS 460-123484/2 Date Analyzed: 08/10/2012 08:32
 Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)
 Lab File ID (Standard): e06551.d Heated Purge: (Y/N) N
 Calibration ID: 16560

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		769175	3.60	659446	6.95	415041	10.47
UPPER LIMIT		1538350	4.10	1318892	7.45	830082	10.97
LOWER LIMIT		384588	3.10	329723	6.45	207521	9.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-123484/3		785257	3.60	695914	6.95	425065	10.47
MB 460-123484/4		740726	3.60	653815	6.95	399902	10.47
460-43270-1	WG-17338-080712-VAS1-MM-200	756850	3.59	643348	6.95	413054	10.47
460-43270-2	WG-17338-080712-VAS1-MM-201	760792	3.59	650209	6.95	415125	10.47
460-43270-3	WG-17338-080712-VAS1-MM-202	790406	3.59	672760	6.95	423318	10.47
460-43270-4	WG-17338-080712-VAS1-MM-203	777894	3.60	679798	6.95	430549	10.47
460-43270-1 MS	WG-17338-080712-VAS1-MM-200 MS	802830	3.60	696432	6.95	441045	10.47
460-43270-1 MSD	WG-17338-080712-VAS1-MM-200 MSD	869255	3.60	736854	6.95	460591	10.47
CCV 460-123484/17		920479	3.60	775808	6.95	474199	10.47

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-1
 Matrix: Water Lab File ID: e06560.d
 Analysis Method: 8260B Date Collected: 08/07/2012 10:30
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:05
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.30	U	5.0	0.30
75-71-8	Dichlorodifluoromethane	1.1	U	5.0	1.1
74-87-3	Chloromethane	0.50	U	5.0	0.50
75-01-4	Vinyl chloride	0.70	U	5.0	0.70
74-83-9	Bromomethane	0.90	U	5.0	0.90
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	5.0	2.0
95-50-1	1,2-Dichlorobenzene	1.1	U	5.0	1.1
75-69-4	Trichlorofluoromethane	0.75	U	5.0	0.75
75-35-4	1,1-Dichloroethene	0.45	U	5.0	0.45
78-87-5	1,2-Dichloropropane	0.45	U	5.0	0.45
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.40	U	5.0	0.40
67-64-1	Acetone	150		25	13
75-15-0	Carbon disulfide	0.65	U	5.0	0.65
79-20-9	Methyl acetate	1.7	U	10	1.7
75-09-2	Methylene Chloride	0.90	U	5.0	0.90
156-60-5	trans-1,2-Dichloroethene	0.65	U	5.0	0.65
124-48-1	Chlorodibromomethane	1.0	U	5.0	1.0
1634-04-4	Methyl tert-butyl ether	0.70	U	5.0	0.70
75-00-3	Chloroethane	0.85	U	5.0	0.85
75-34-3	1,1-Dichloroethane	0.65	U	5.0	0.65
156-59-2	cis-1,2-Dichloroethene	0.90	U	5.0	0.90
78-93-3	2-Butanone (MEK)	36		25	12
67-66-3	Chloroform	0.40	U	5.0	0.40
100-41-4	Ethylbenzene	360		5.0	0.50
110-82-7	Cyclohexane	220		5.0	0.80
56-23-5	Carbon tetrachloride	0.30	U	5.0	0.30
71-43-2	Benzene	570		5.0	0.40
107-06-2	1,2-Dichloroethane	0.95	U	5.0	0.95
79-01-6	Trichloroethene	0.45	U	5.0	0.45
108-87-2	Methylcyclohexane	130		5.0	0.70
75-27-4	Dichlorobromomethane	0.60	U	5.0	0.60
10061-01-5	cis-1,3-Dichloropropene	0.90	U	5.0	0.90
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	25	5.0
108-88-3	Toluene	1200		5.0	0.75
10061-02-6	trans-1,3-Dichloropropene	1.2	U	5.0	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-1
 Matrix: Water Lab File ID: e06560.d
 Analysis Method: 8260B Date Collected: 08/07/2012 10:30
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:05
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.95	U	5.0	0.95
127-18-4	Tetrachloroethene	0.50	U	5.0	0.50
591-78-6	2-Hexanone	2.5	U	25	2.5
106-93-4	1,2-Dibromoethane	1.4	U	5.0	1.4
108-90-7	Chlorobenzene	0.55	U	5.0	0.55
1330-20-7	Xylenes, Total	1700		15	1.8
100-42-5	Styrene	9.3		5.0	0.60
75-25-2	Bromoform	0.95	U	5.0	0.95
98-82-8	Isopropylbenzene	26		5.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U	5.0	0.80
541-73-1	1,3-Dichlorobenzene	0.70	U	5.0	0.70
106-46-7	1,4-Dichlorobenzene	1.2	U	5.0	1.2
120-82-1	1,2,4-Trichlorobenzene	1.7	U	5.0	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		70-130
460-00-4	4-Bromofluorobenzene	95		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-1
Matrix: Water Lab File ID: e06560.d
Analysis Method: 8260B Date Collected: 08/07/2012 10:30
Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:05
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123484 Units: ug/L
Number TICs Found: 10 TIC Result Total: 3600

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	C4H10 Alkane	1.00	240	J
	C5H12 Alkane	1.20	630	J
	C5H12 Alkane-1	1.30	490	J
	C5H10 Alkene	1.36	200	J
	C5H10 Cycloalkane	1.44	380	J
	C6H14 Alkane	1.74	570	J
	C6H12 Cycloalkane	2.35	230	J
	C9H12 Aromatic	9.15	290	J
	C9H12 Aromatic-1	9.92	420	J
91-20-3	Naphthalene	13.28	150	J N

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06560.d
 Report Date: 10-Aug-2012 14:46

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06560.d
 Lab Smp Id: 460-43270-B-1
 Inj Date : 10-AUG-2012 12:05
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-43270-B-1;5
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 10
 Dil Factor: 5.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====		=====	=====
16 Acetone	58	1.888	1.894	(0.525)	9345		30.0125	150
38 2-Butanone	72	3.071	3.071	(0.854)	3899		7.15886	36
44 Cyclohexane	56	2.784	2.784	(0.774)	187514		43.4204	220
48 Benzene	78	3.260	3.260	(0.469)	1442725		113.581	570
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	248348		57.6477	58
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	756850		50.0000	
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	110606		25.2795	130
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	720153		47.9623	48
66 Toluene	91	5.162	5.162	(0.742)	3892779		247.707	1200
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	643348		50.0000	
81 Ethylbenzene	106	7.064	7.064	(1.016)	423301		72.2847	360
82 m+p-Xylene	106	7.283	7.277	(1.047)	1793922		238.629	1200
84 o-Xylene	106	7.862	7.862	(1.131)	751187		101.673	510
85 Styrene	104	7.948	7.942	(1.143)	24051		1.86757	9.3
88 Isopropylbenzene	105	8.350	8.350	(1.201)	105361		5.25339	26
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	343424		47.4742	47

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06560.d
 Report Date: 10-Aug-2012 14:46

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
						(ug/L)	(ug/L)	
=====	====	==	=====	=====	=====	=====	=====	
* 108 1,4-Dichlorobenzene-d4	152	10.465	10.466	(1.000)	413054	50.0000		
M 121 Xylene (Total)	100				2545110	340.302	1700	

Data File: e06560.d

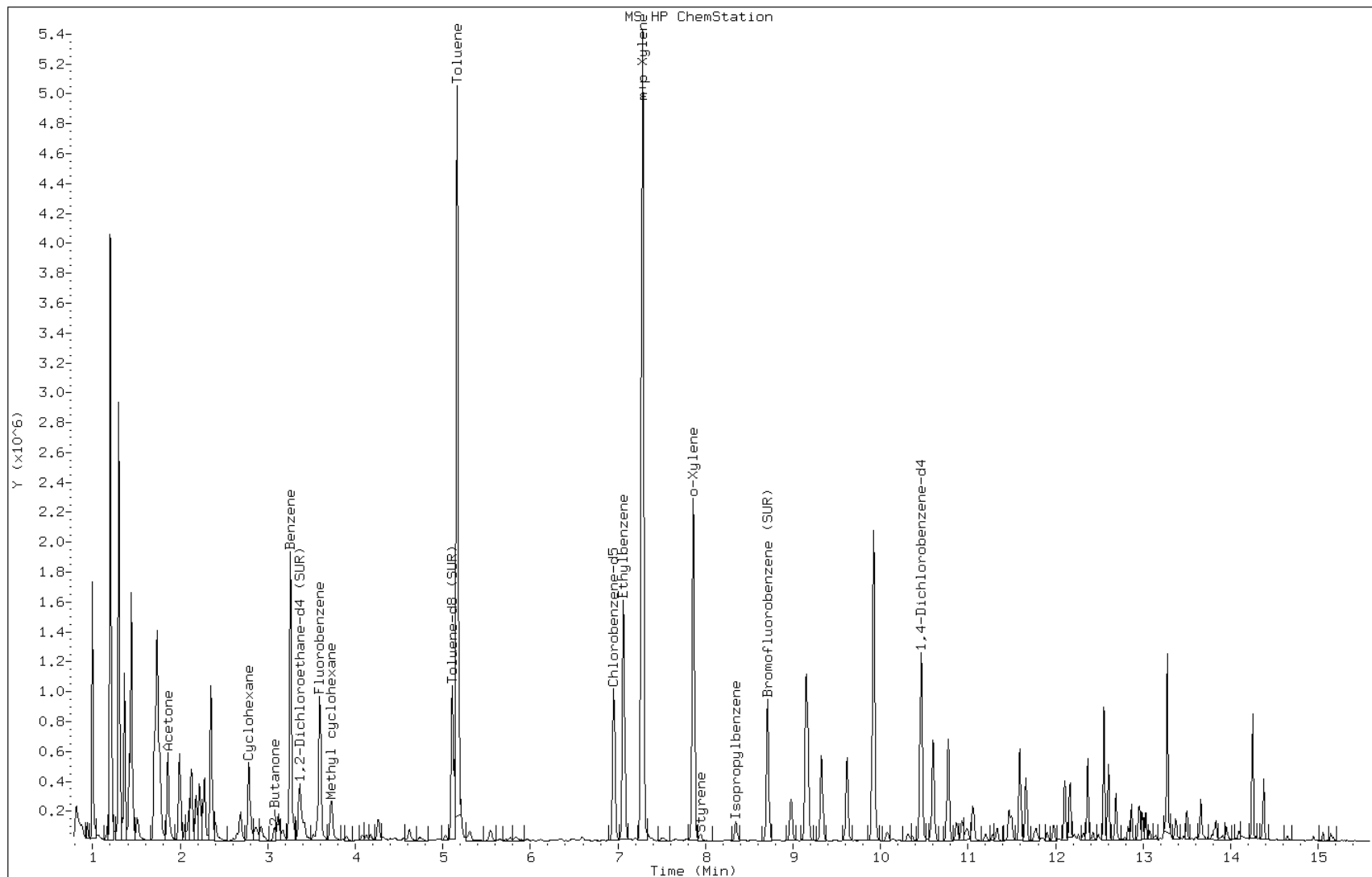
Date: 10-AUG-2012 12:05

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5



Data File: e06560.d

Date: 10-AUG-2012 12:05

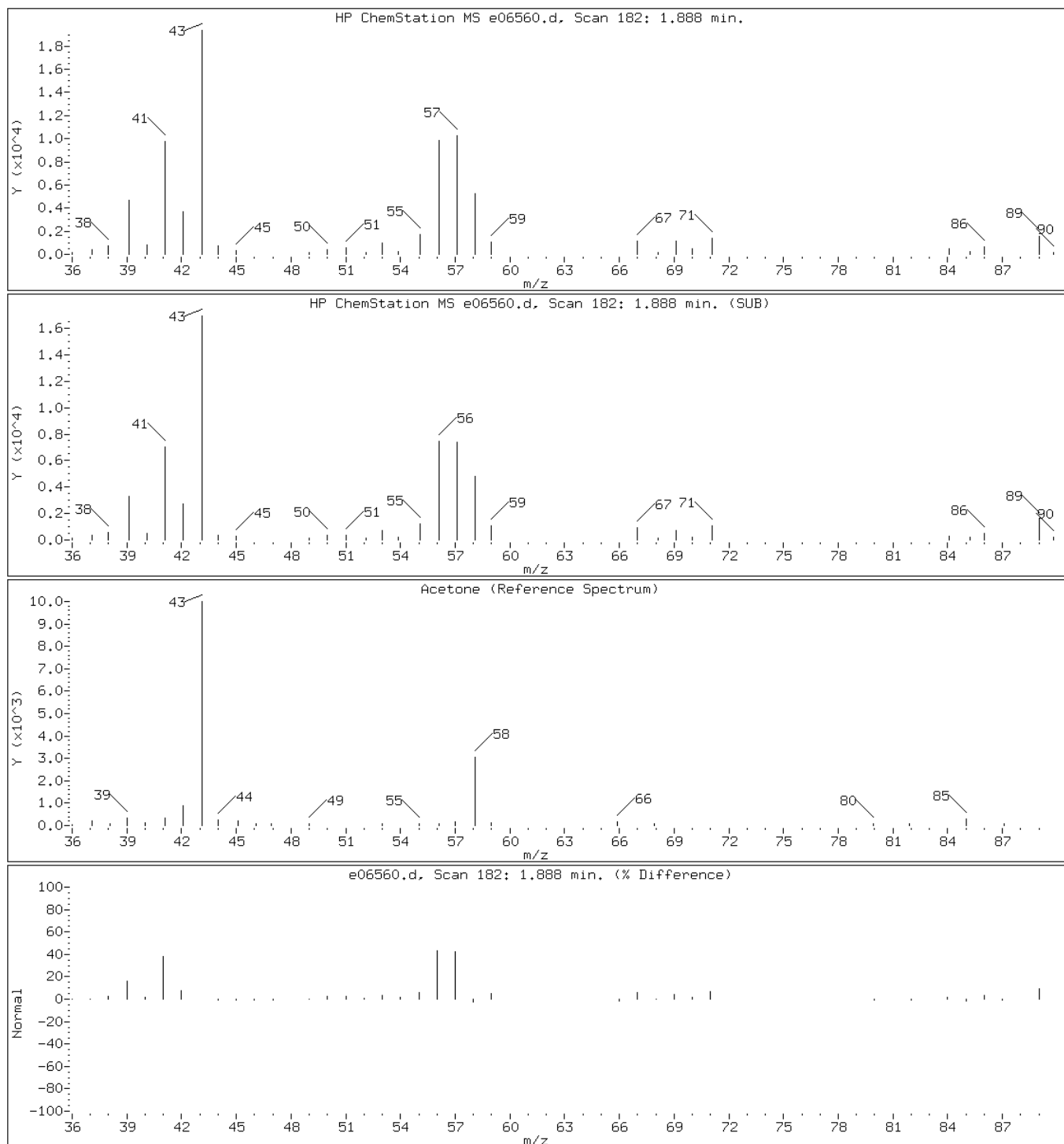
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

16 Acetone



Data File: e06560.d

Date: 10-AUG-2012 12:05

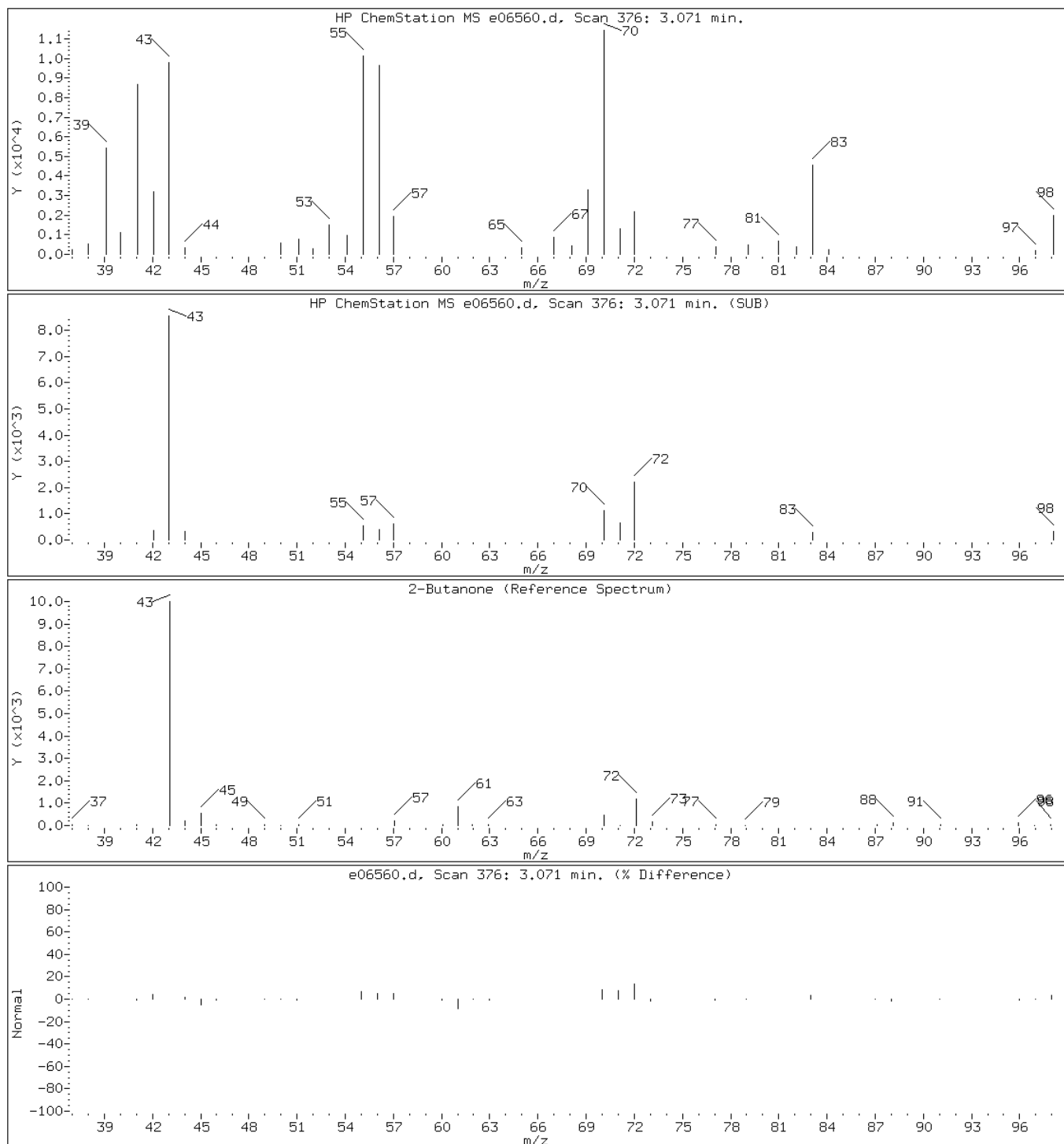
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

38 2-Butanone



Data File: e06560.d

Date: 10-AUG-2012 12:05

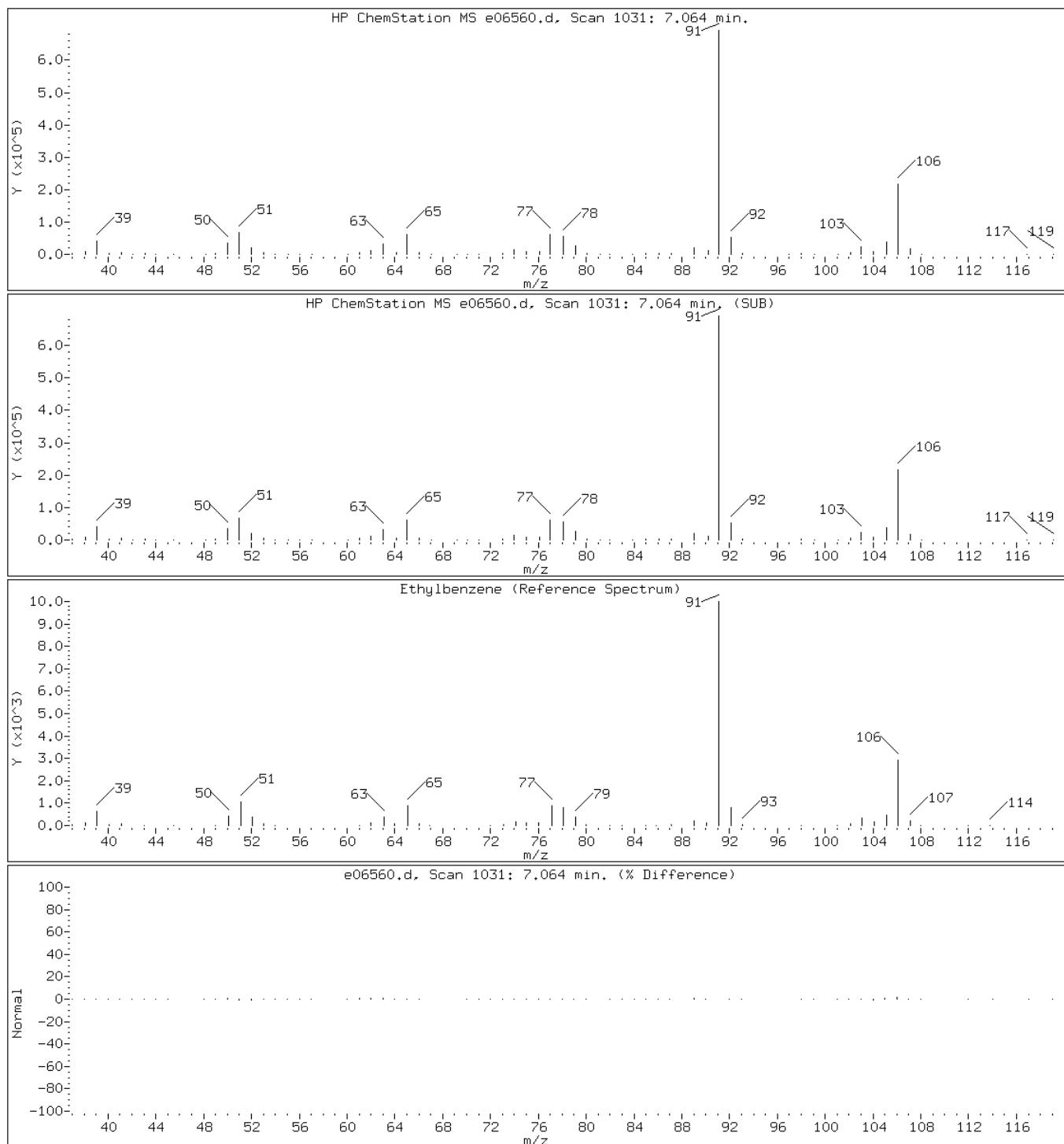
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e06560.d

Date: 10-AUG-2012 12:05

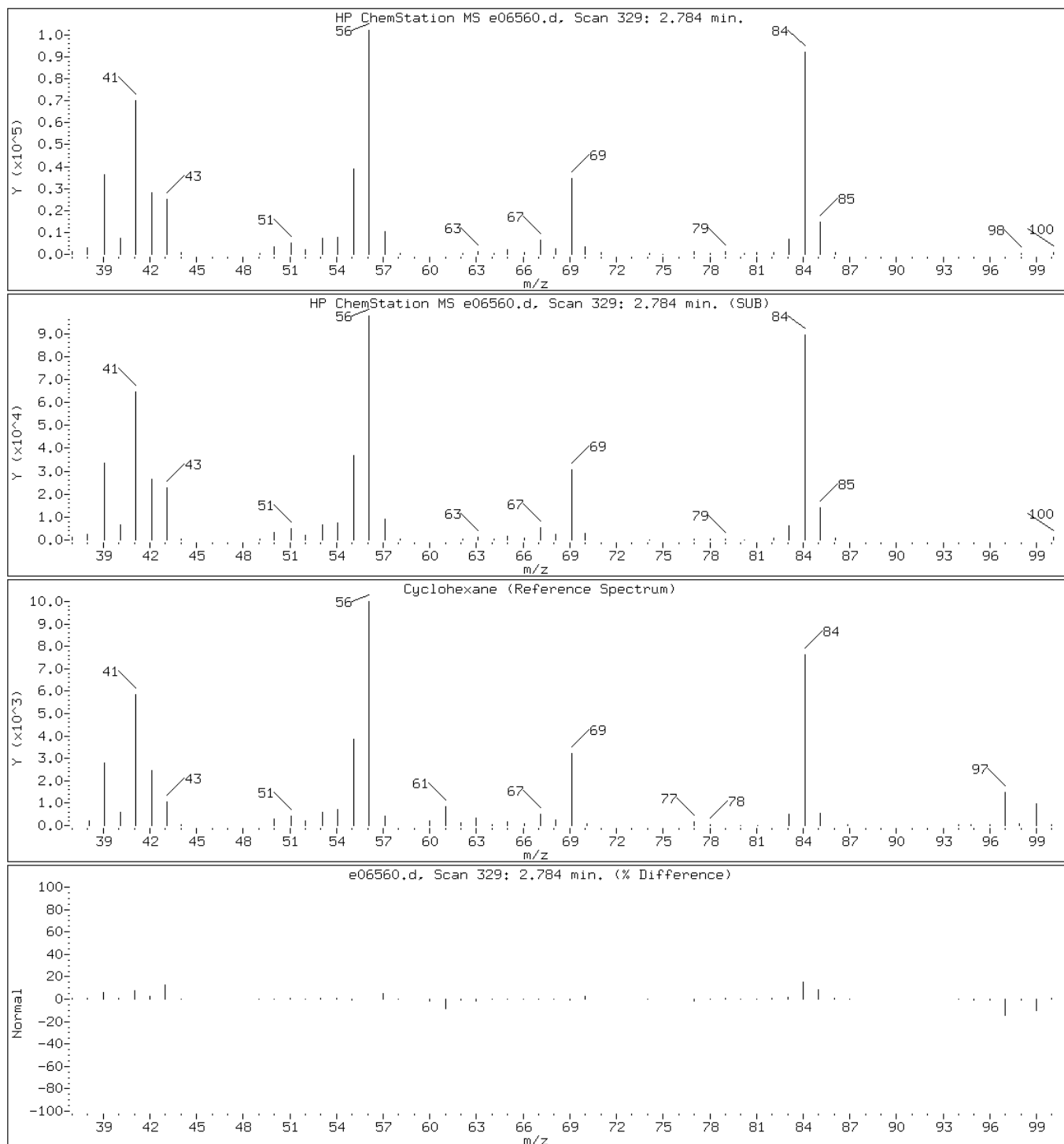
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e06560.d

Date: 10-AUG-2012 12:05

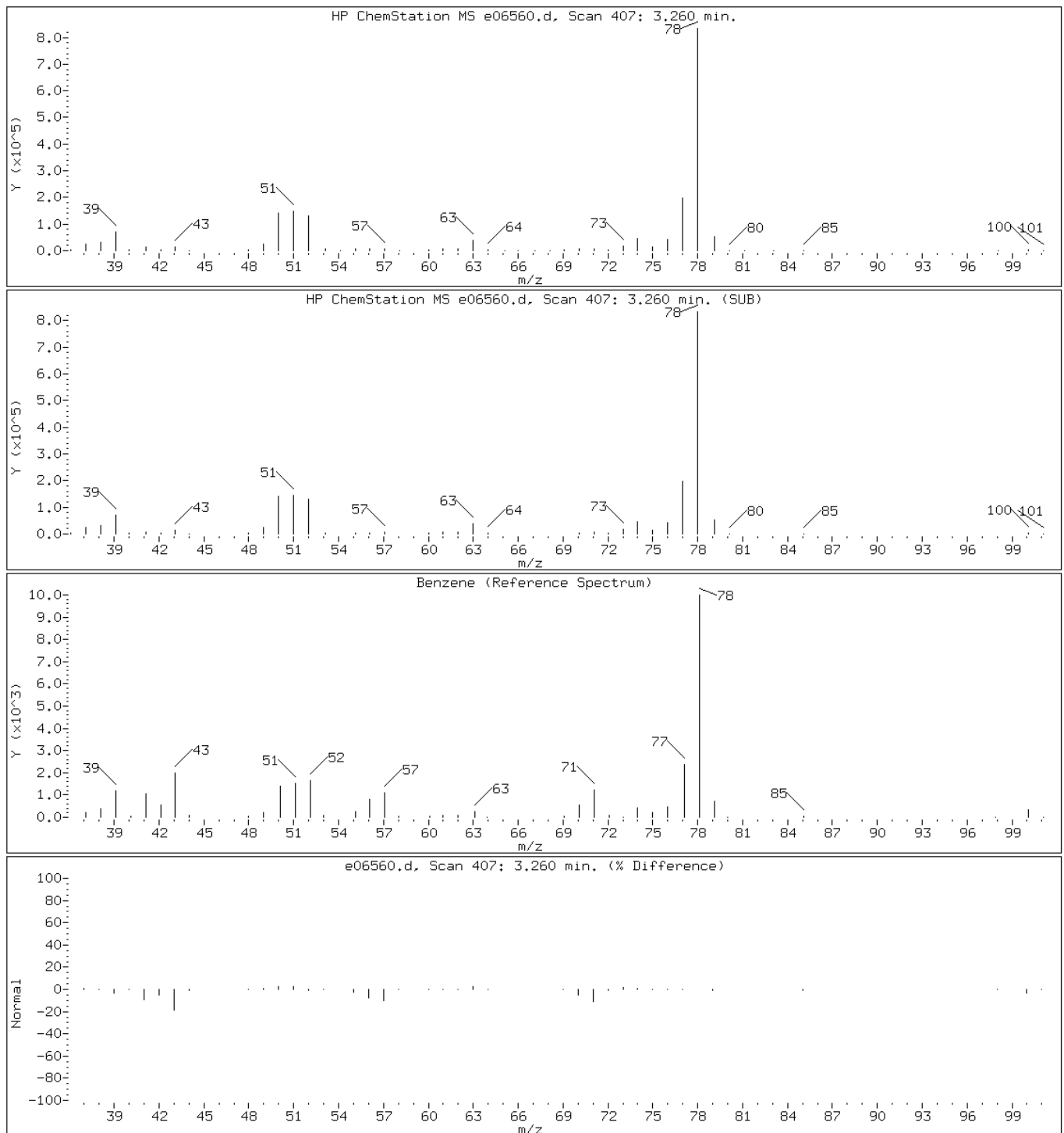
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

48 Benzene



Data File: e06560.d

Date: 10-AUG-2012 12:05

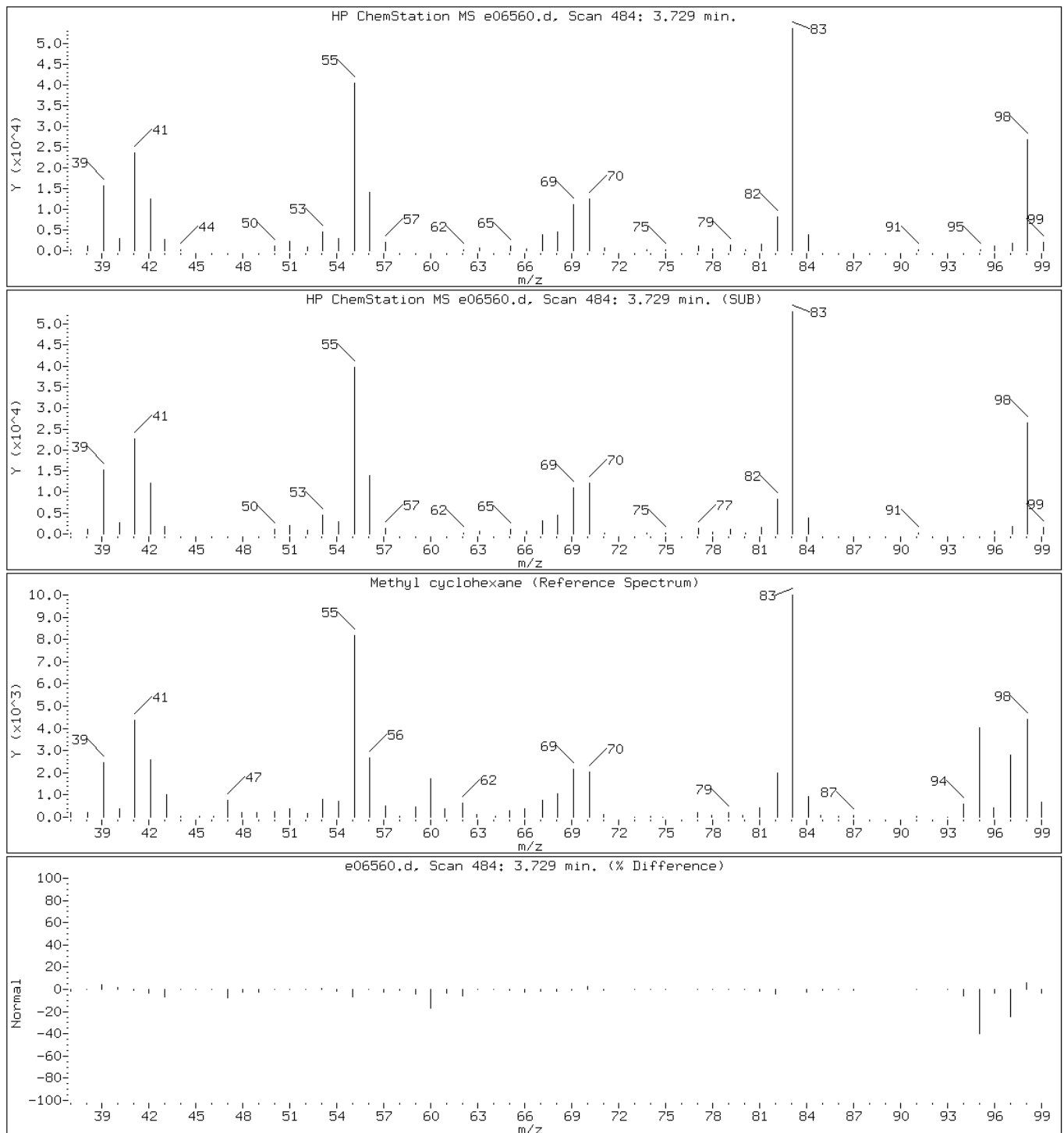
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e06560.d

Date: 10-AUG-2012 12:05

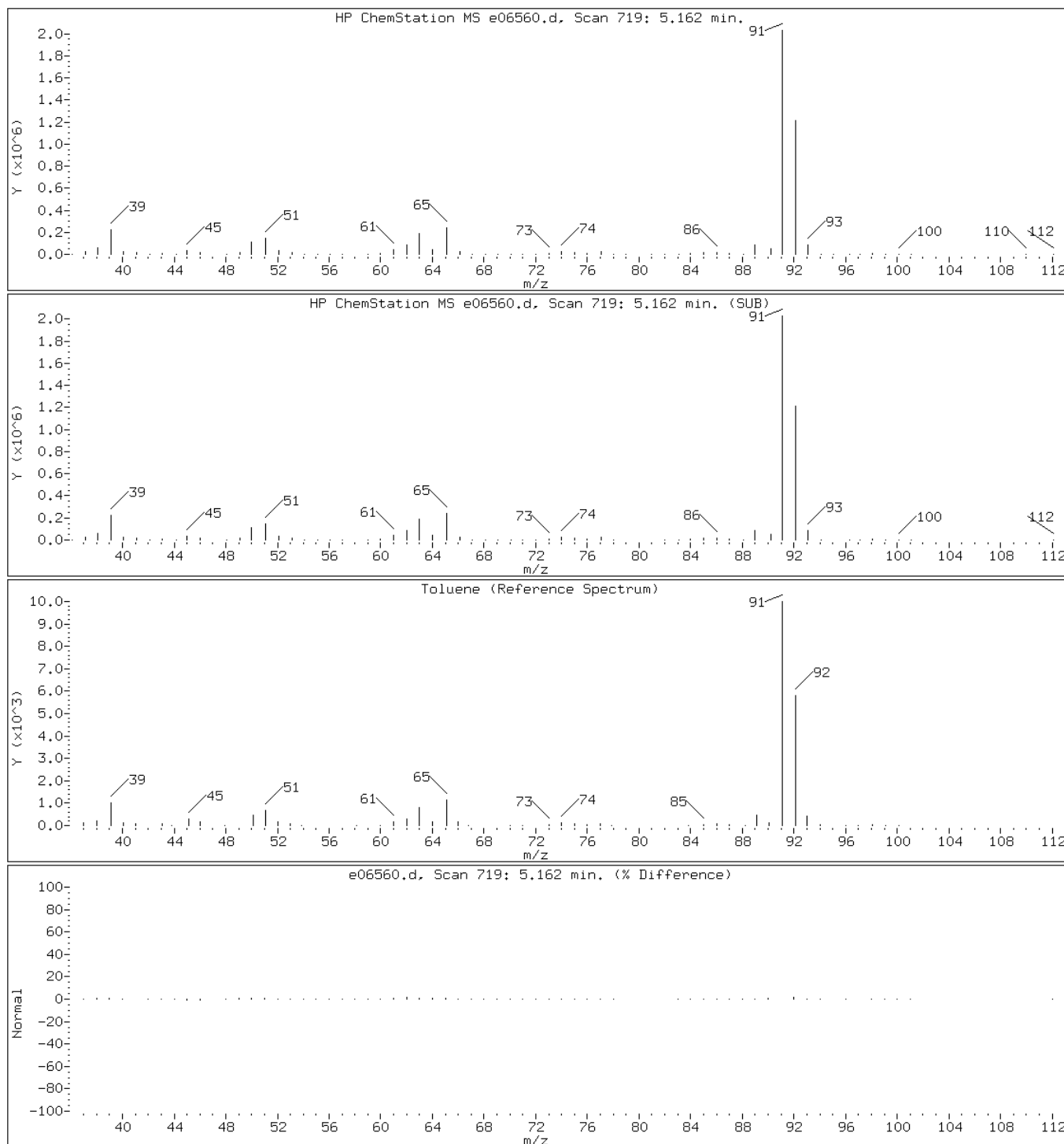
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

66 Toluene



Data File: e06560.d

Date: 10-AUG-2012 12:05

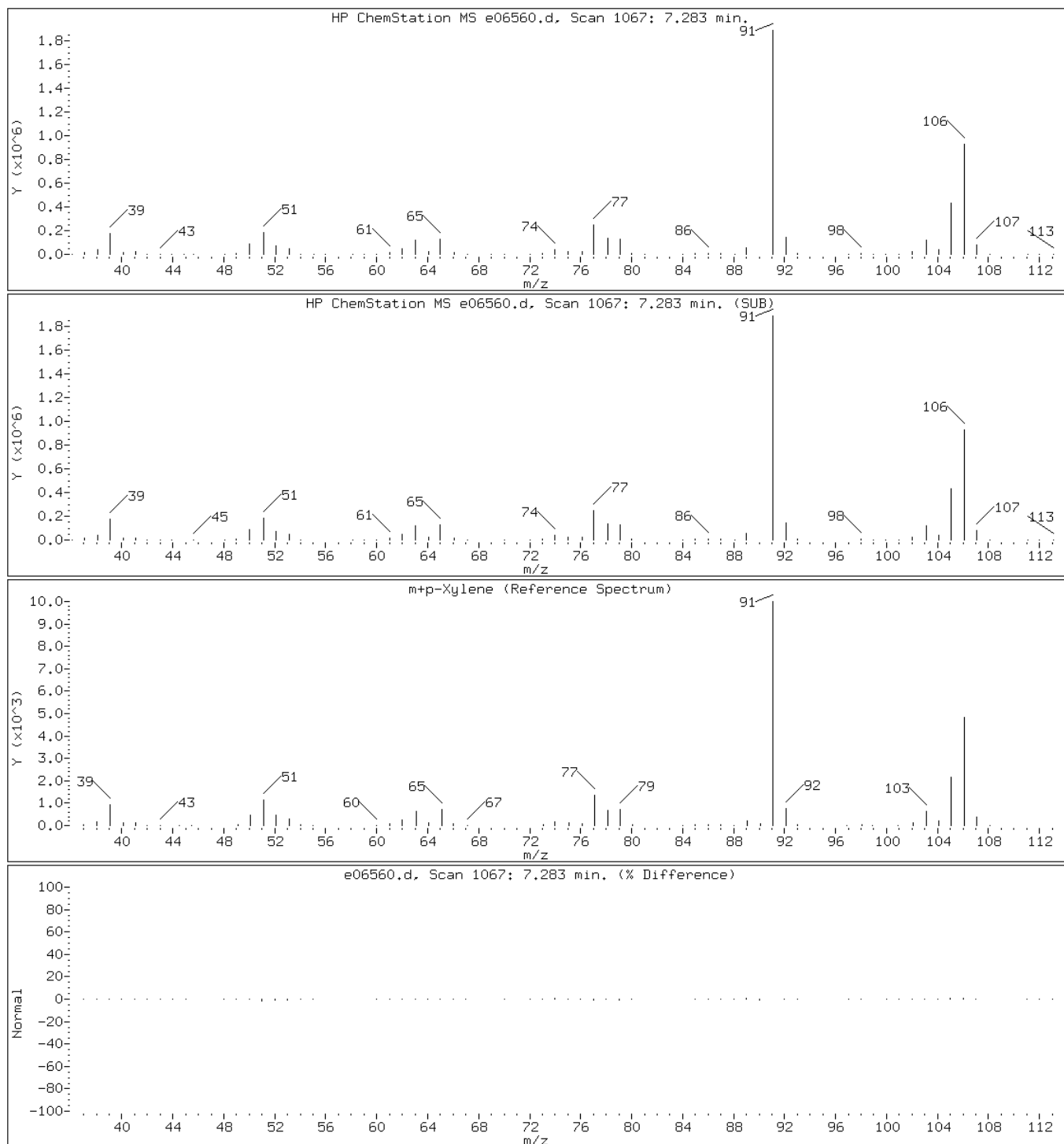
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e06560.d

Date: 10-AUG-2012 12:05

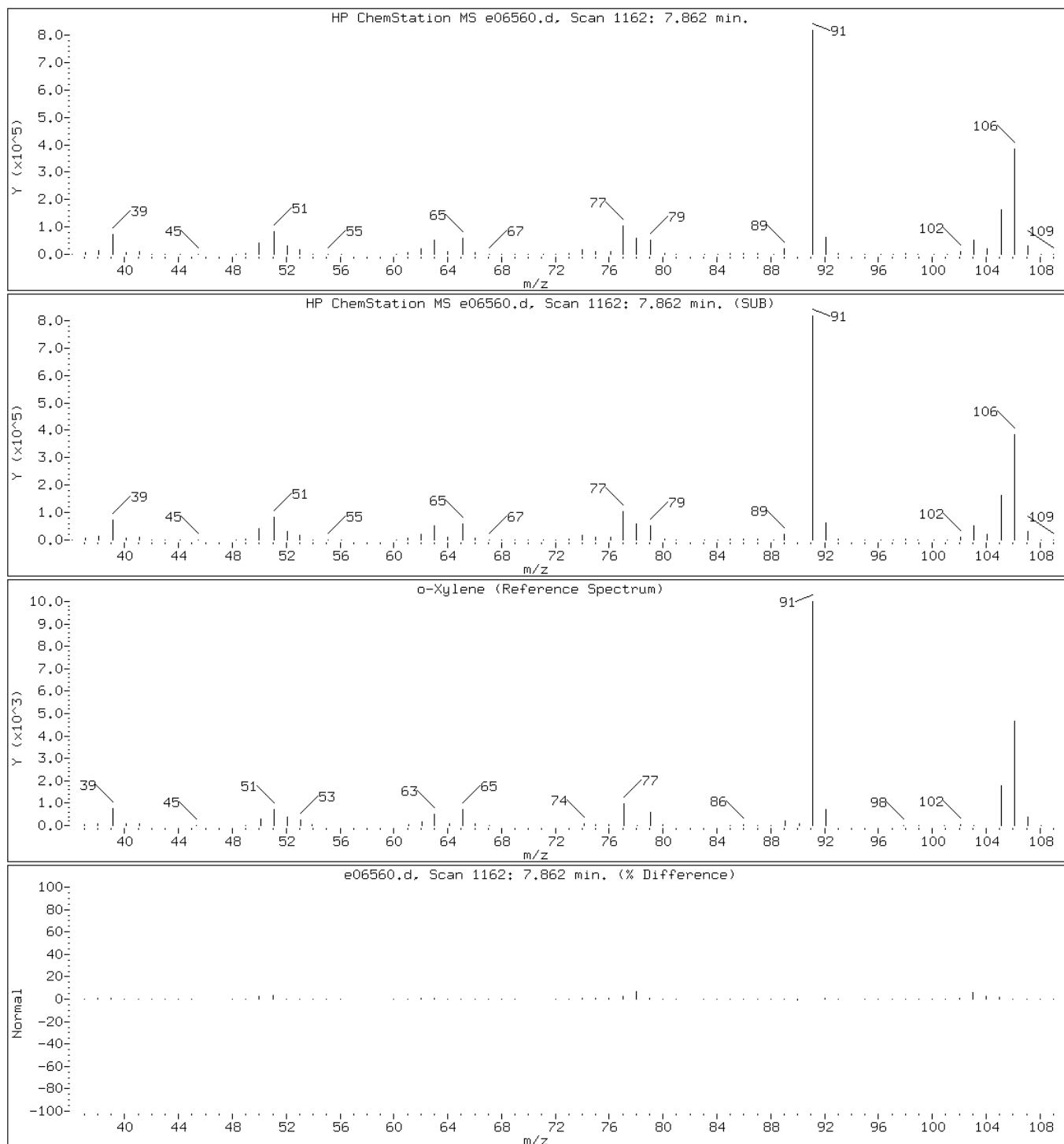
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

84 o-Xylene



Data File: e06560.d

Date: 10-AUG-2012 12:05

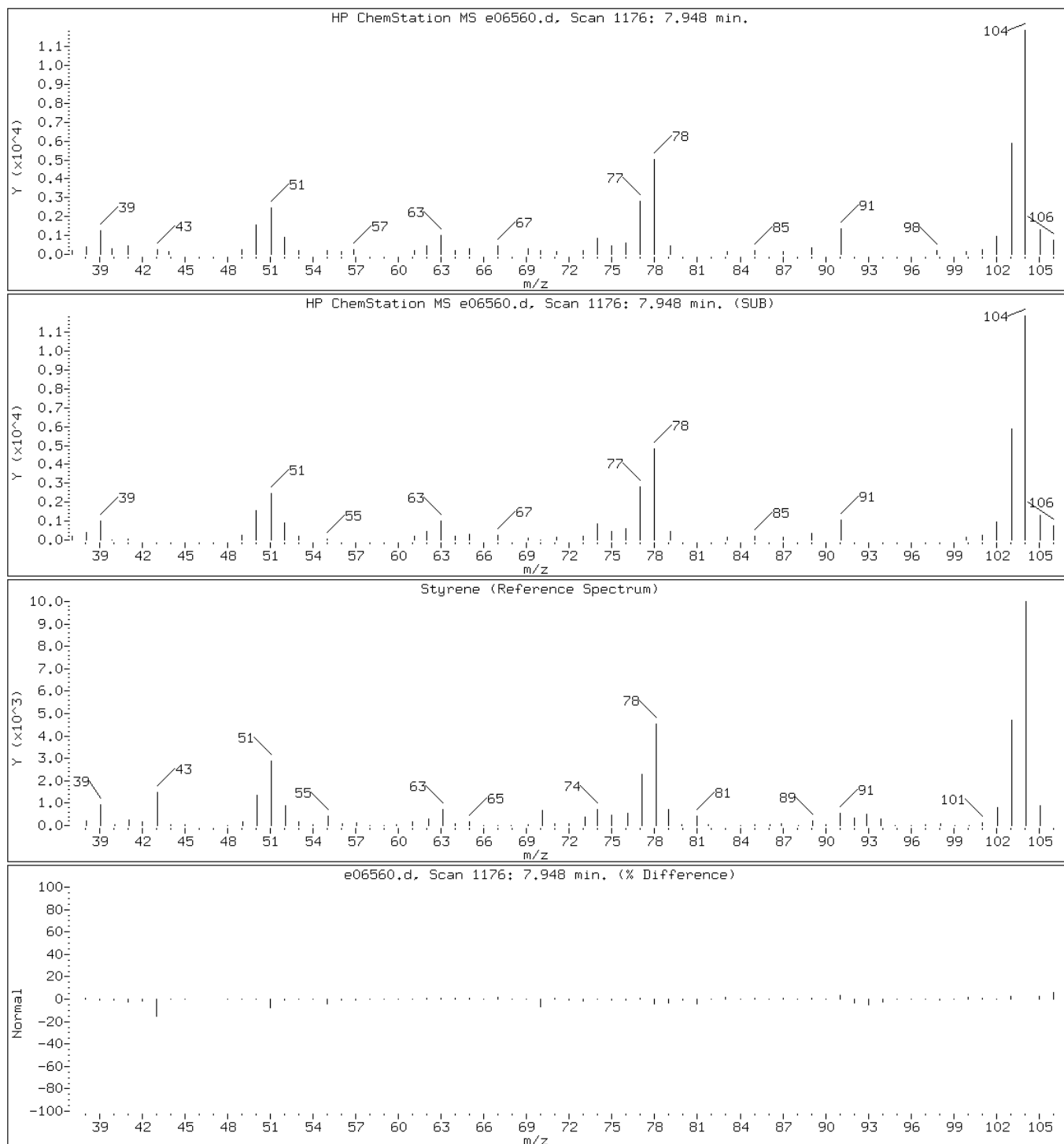
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

85 Styrene



Data File: e06560.d

Date: 10-AUG-2012 12:05

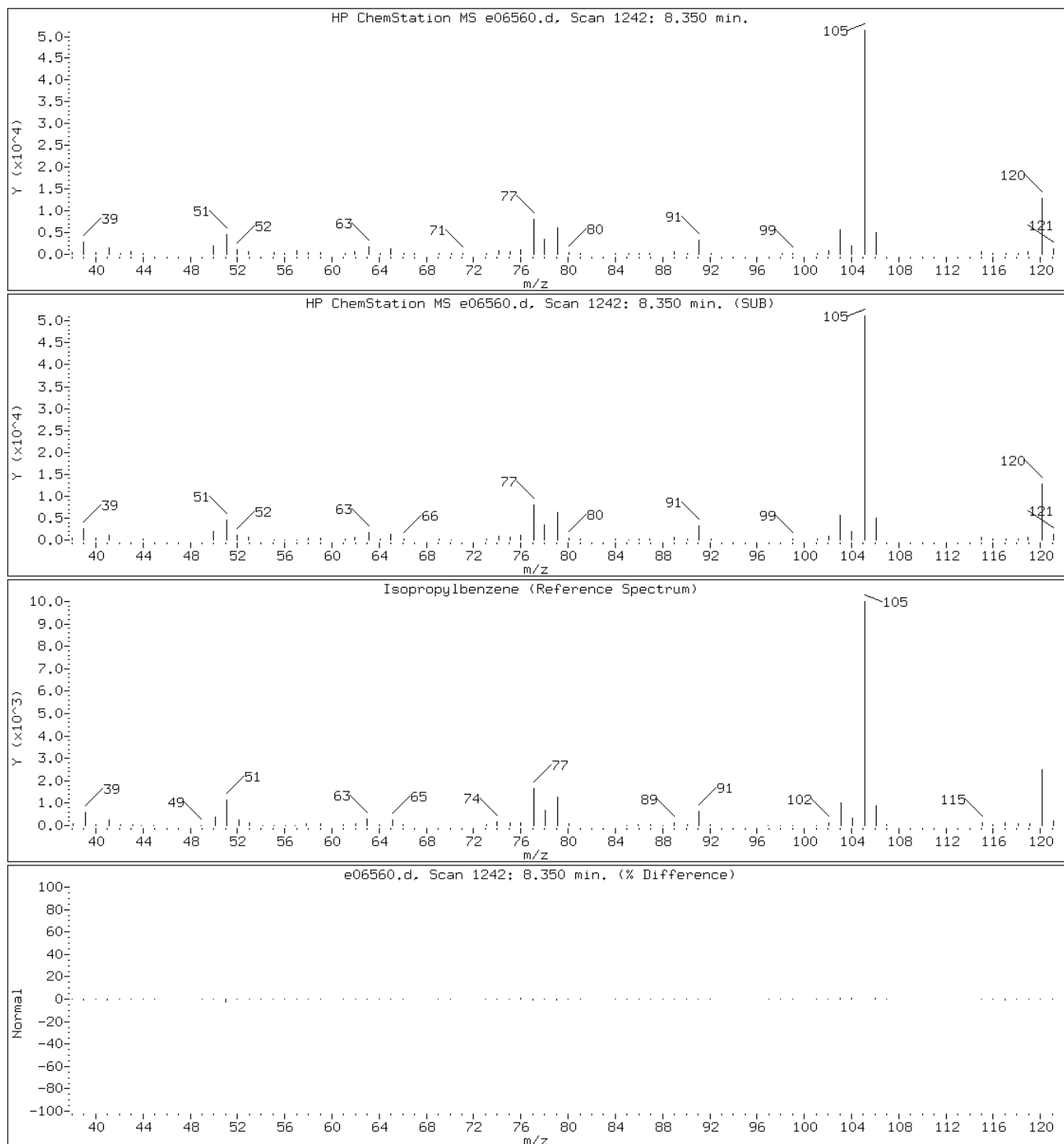
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

88 Isopropylbenzene



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

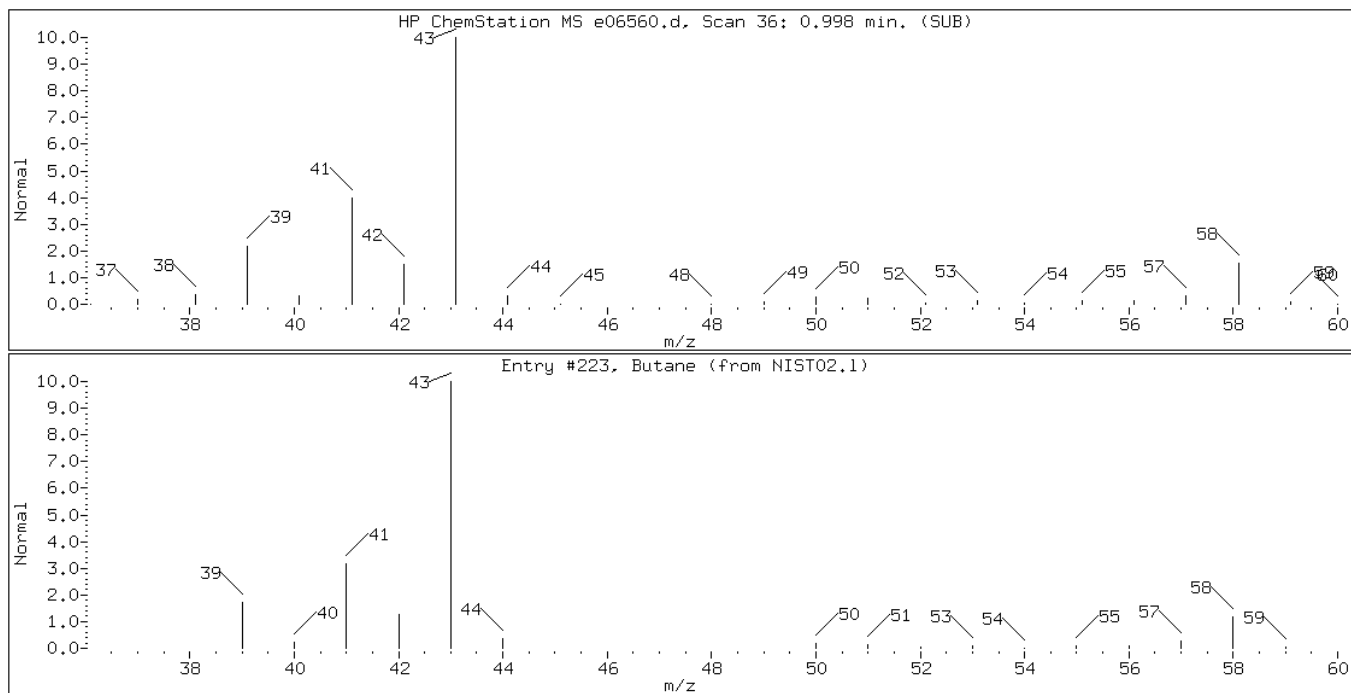
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 1.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C4H10 Alkane						
Butane	106-97-8	NIST02.1	223	72	C4H10	58



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

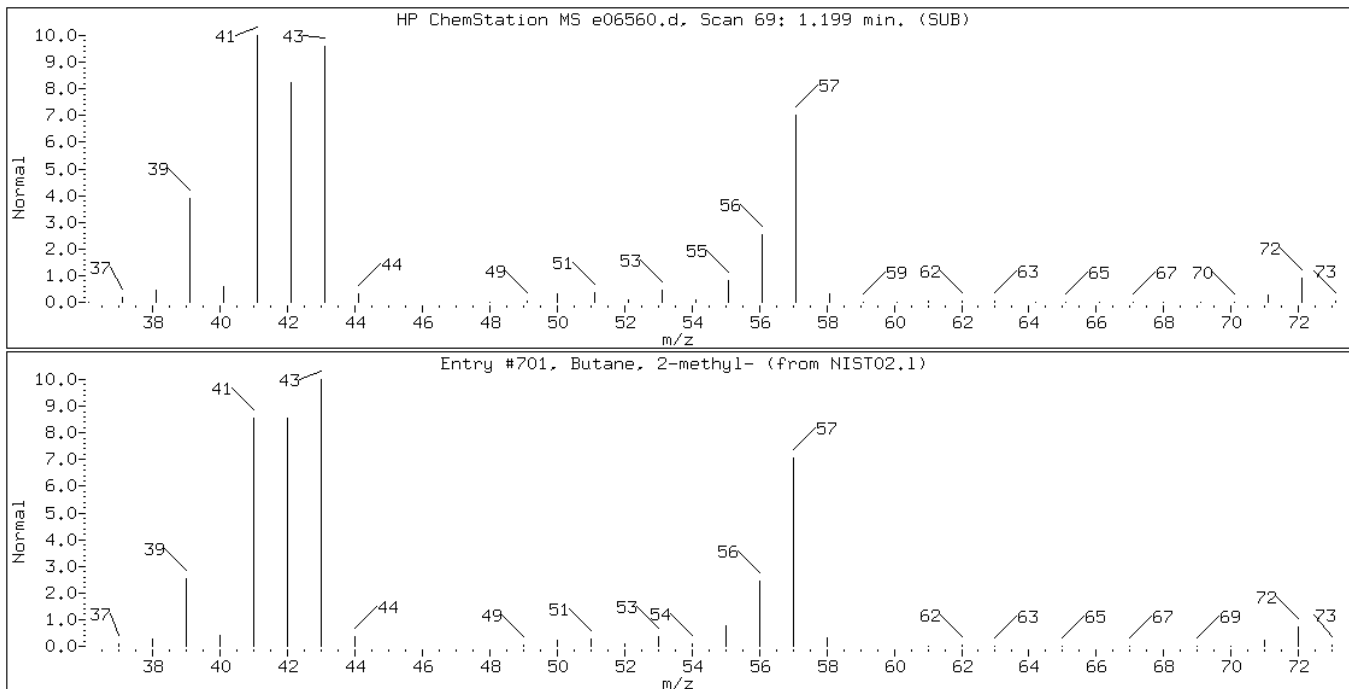
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 1.20

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	81	C5H12	72



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

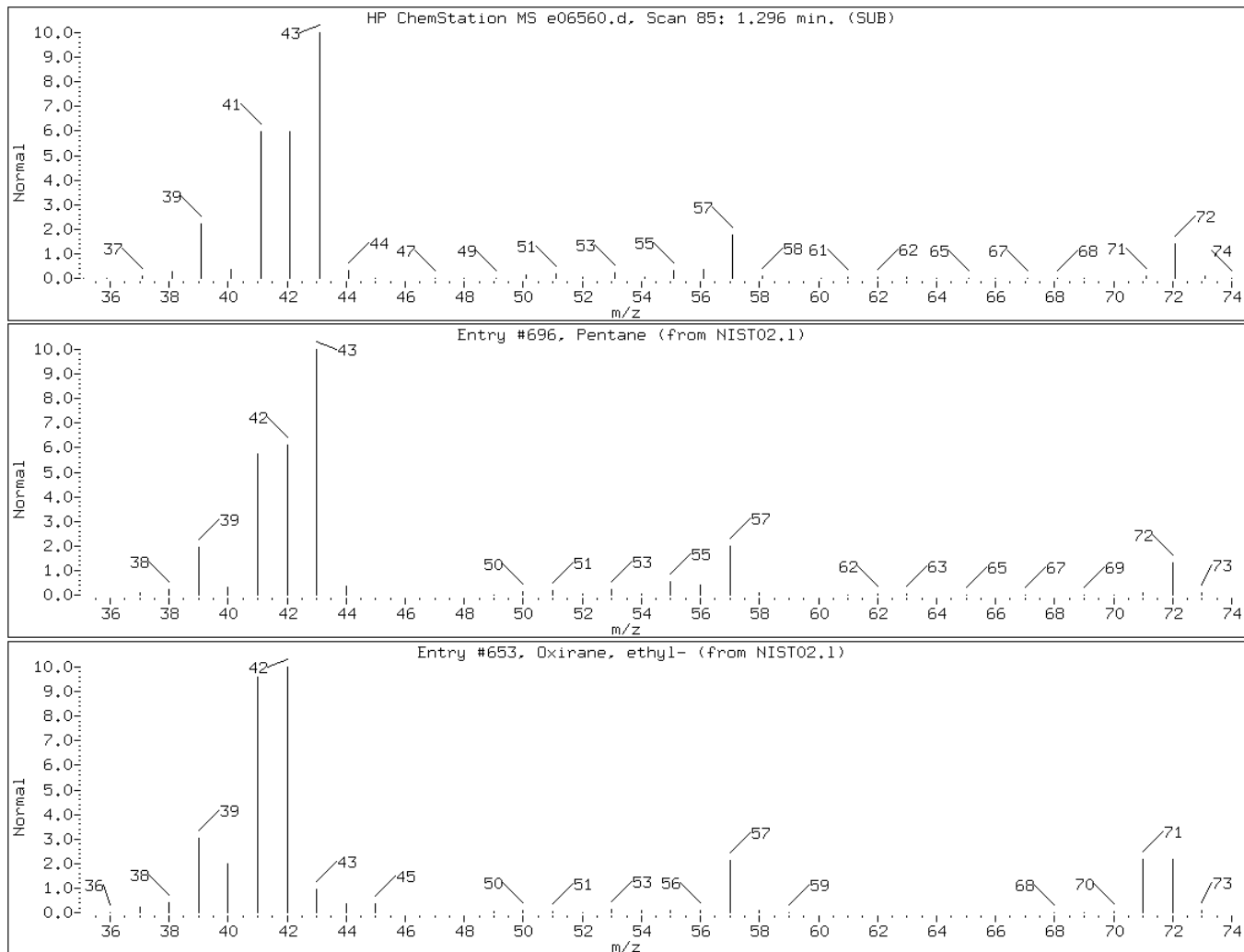
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 1.30

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane-1						
Pentane	109-66-0	NIST02.1	696	91	C5H12	72
Oxirane, ethyl-	106-88-7	NIST02.1	653	50	C4H8O	72



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

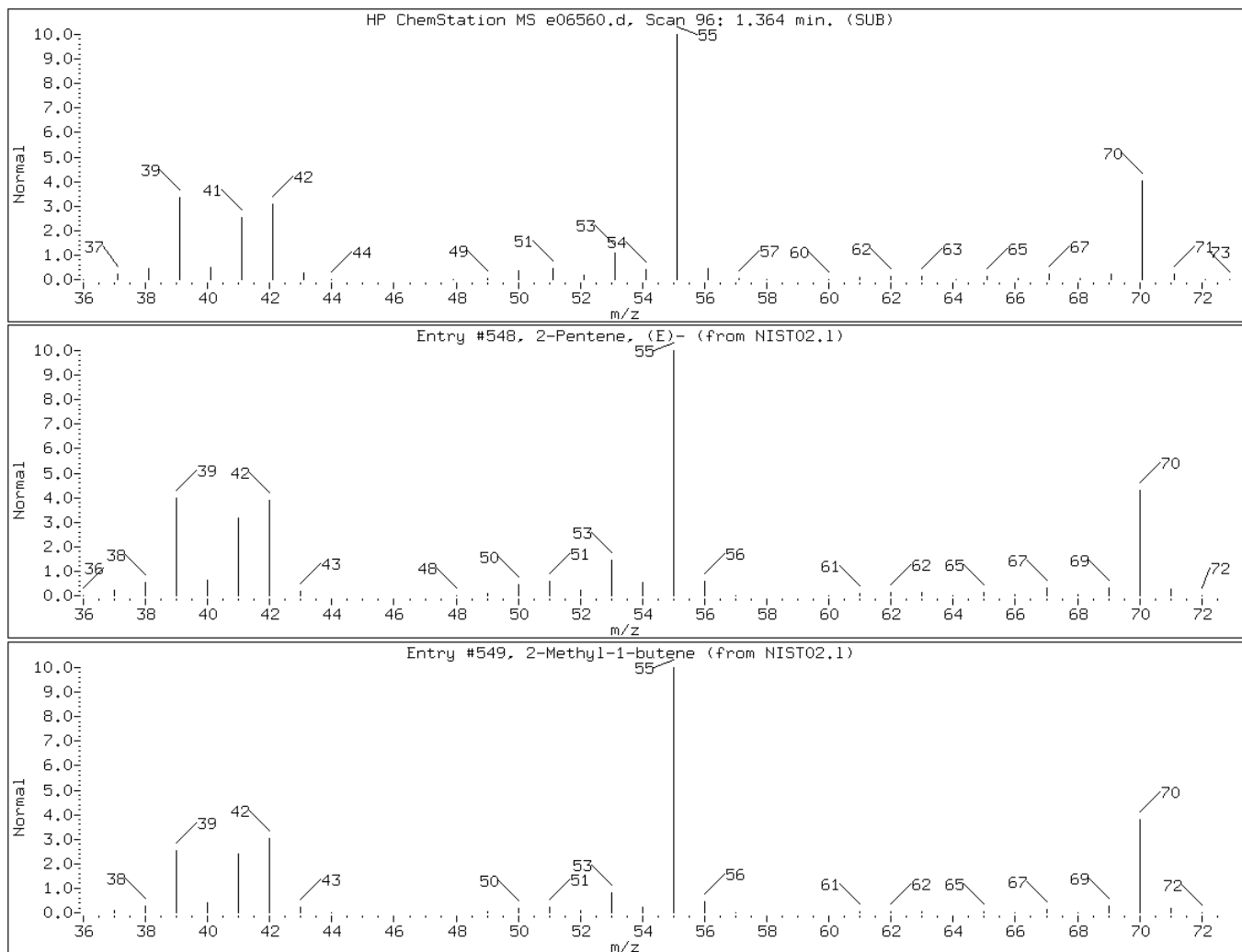
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 1.36

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Alkene						
2-Pentene, (E)-	646-04-8	NIST02.1	548	93	C5H10	70
2-Methyl-1-butene	563-46-2	NIST02.1	549	90	C5H10	70



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

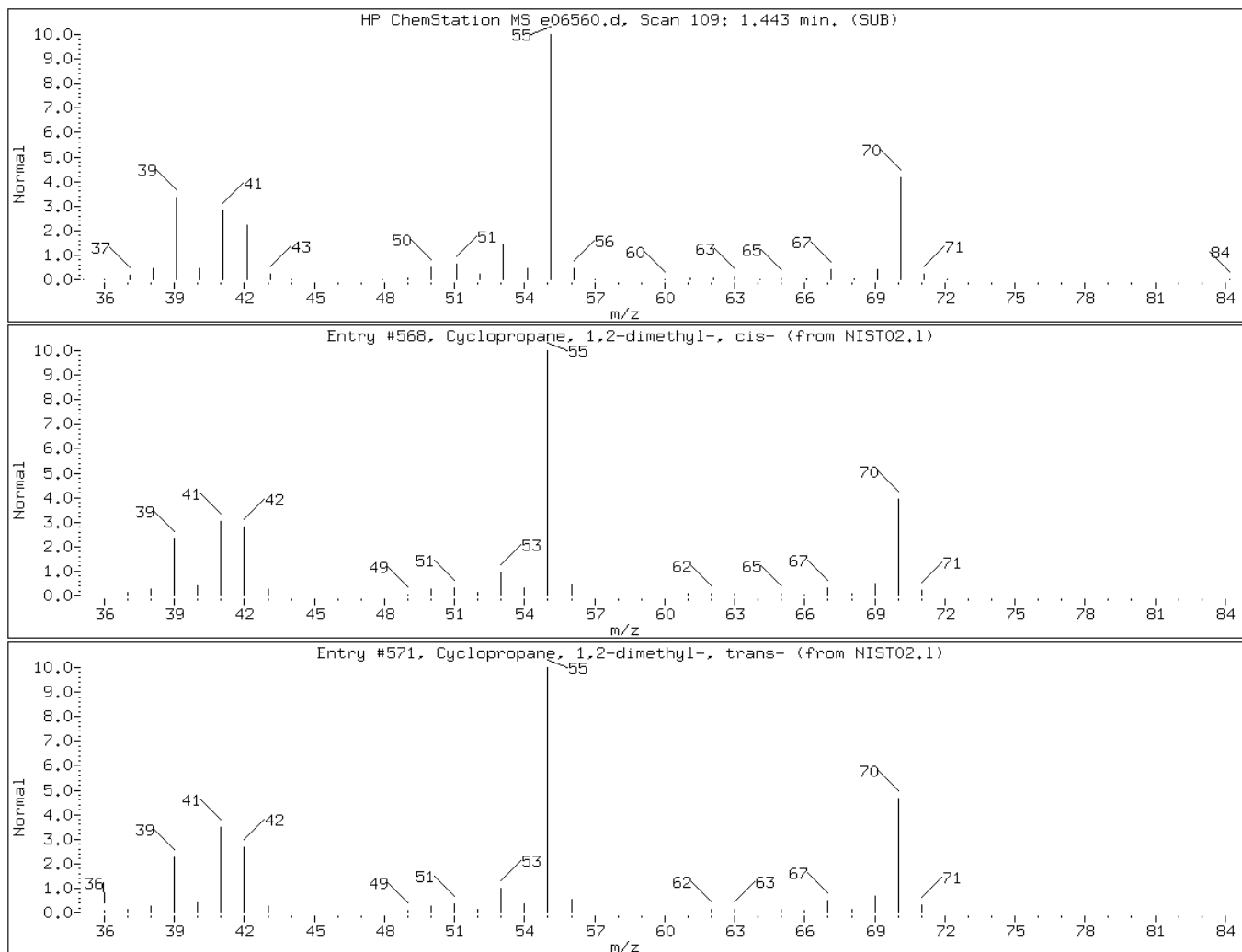
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 1.44

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Cycloalkane						
Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	NIST02.1	568	91	C5H10	70
Cyclopropane, 1,2-dimethyl-, trans	2402-06-4	NIST02.1	571	90	C5H10	70



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

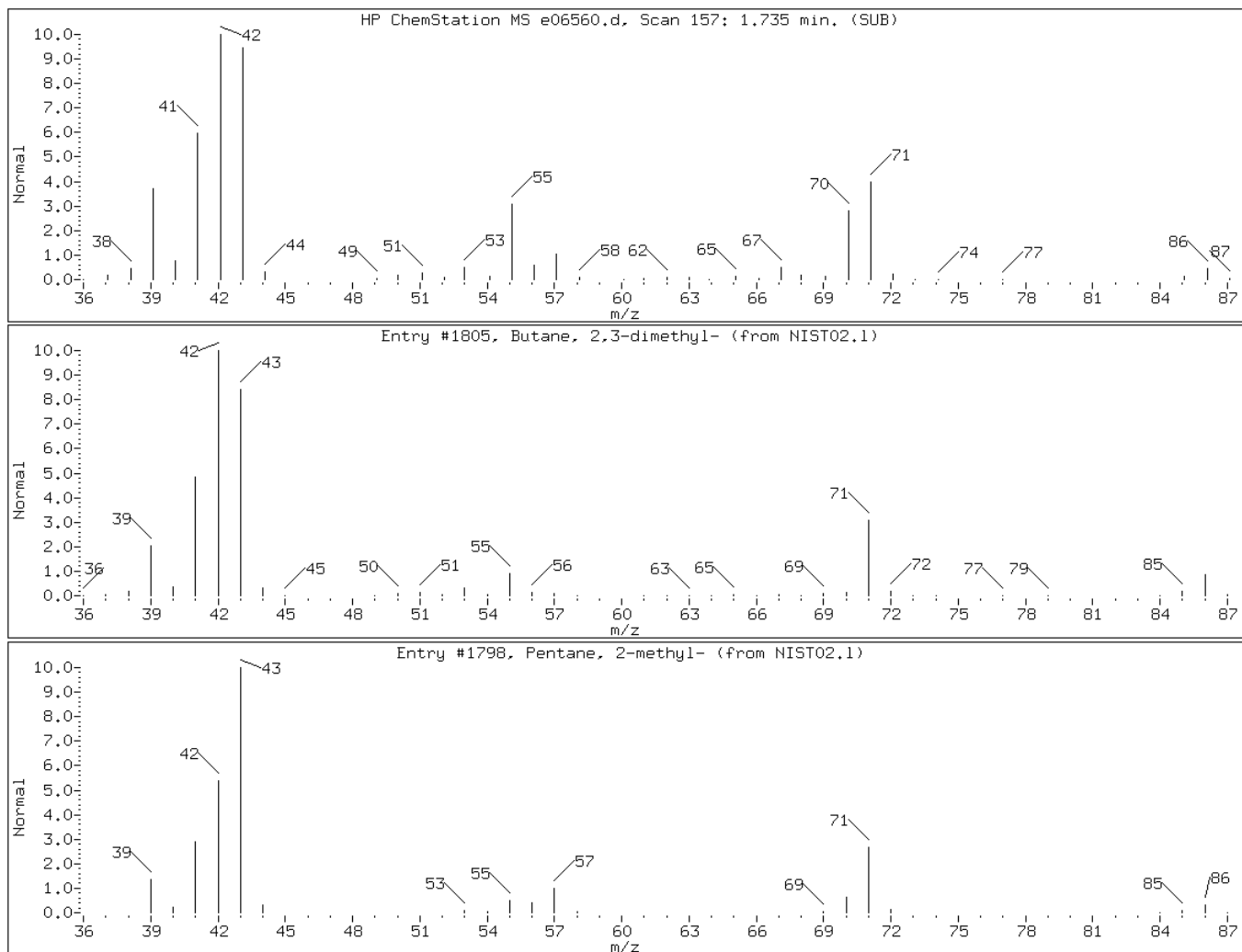
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 1.74

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H14 Alkane						
Butane, 2,3-dimethyl-	79-29-8	NIST02.1	1805	74	C6H14	86
Pentane, 2-methyl-	107-83-5	NIST02.1	1798	50	C6H14	86



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

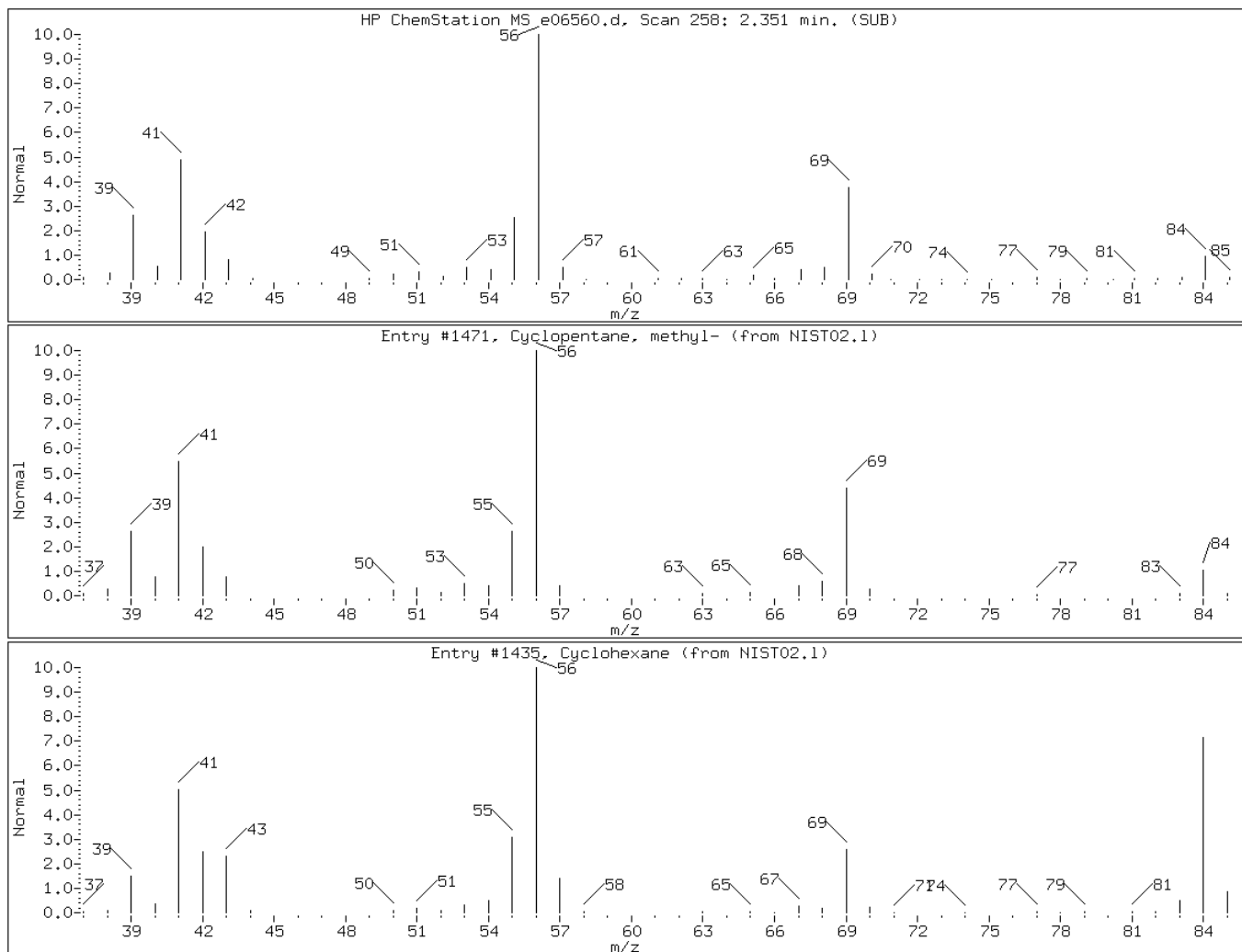
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 2.35

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H12 Cycloalkane						
Cyclopentane, methyl-	96-37-7	NIST02.1	1471	94	C6H12	84
Cyclohexane	110-82-7	NIST02.1	1435	83	C6H12	84



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

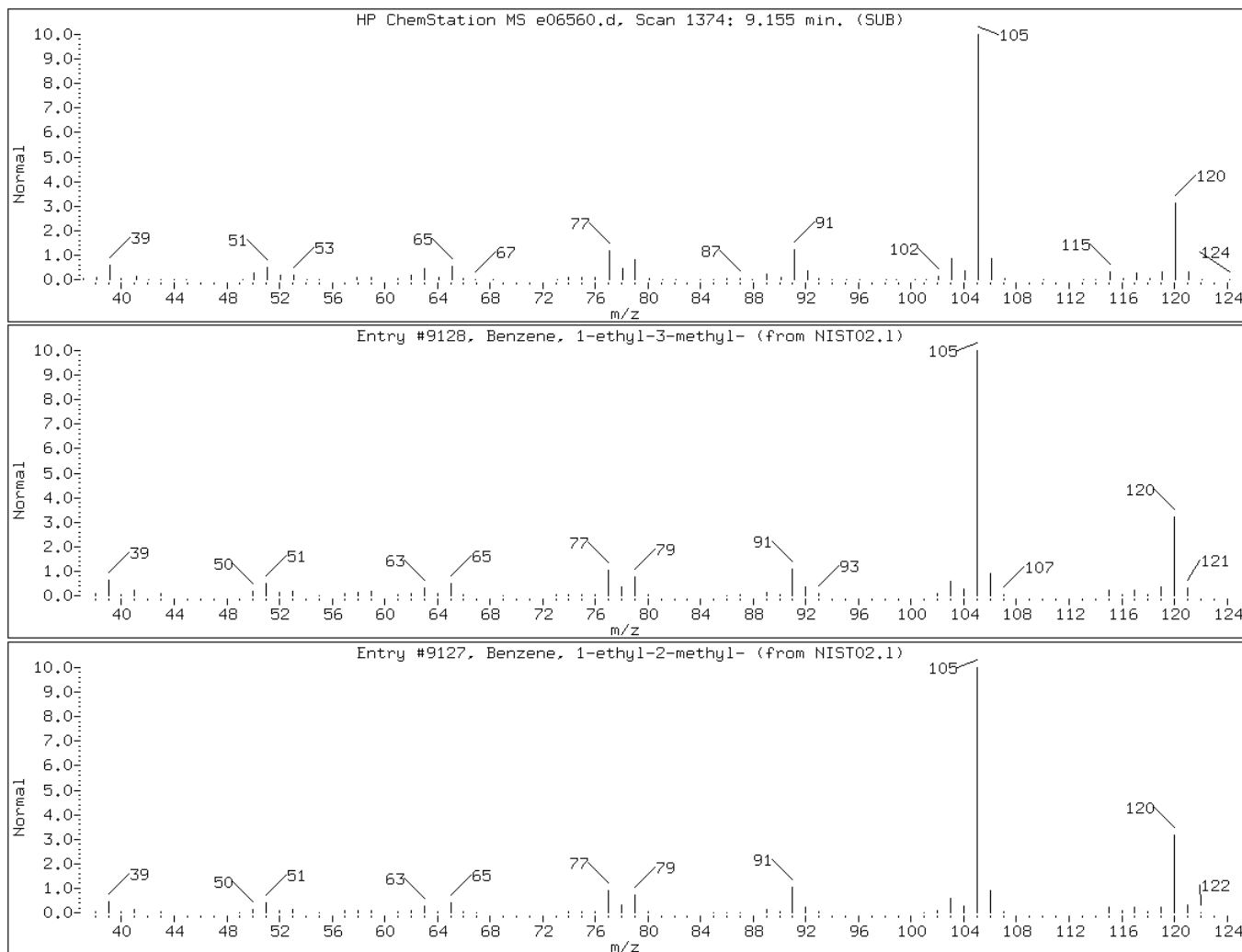
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 9.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic						
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.1	9128	97	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9127	95	C9H12	120



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

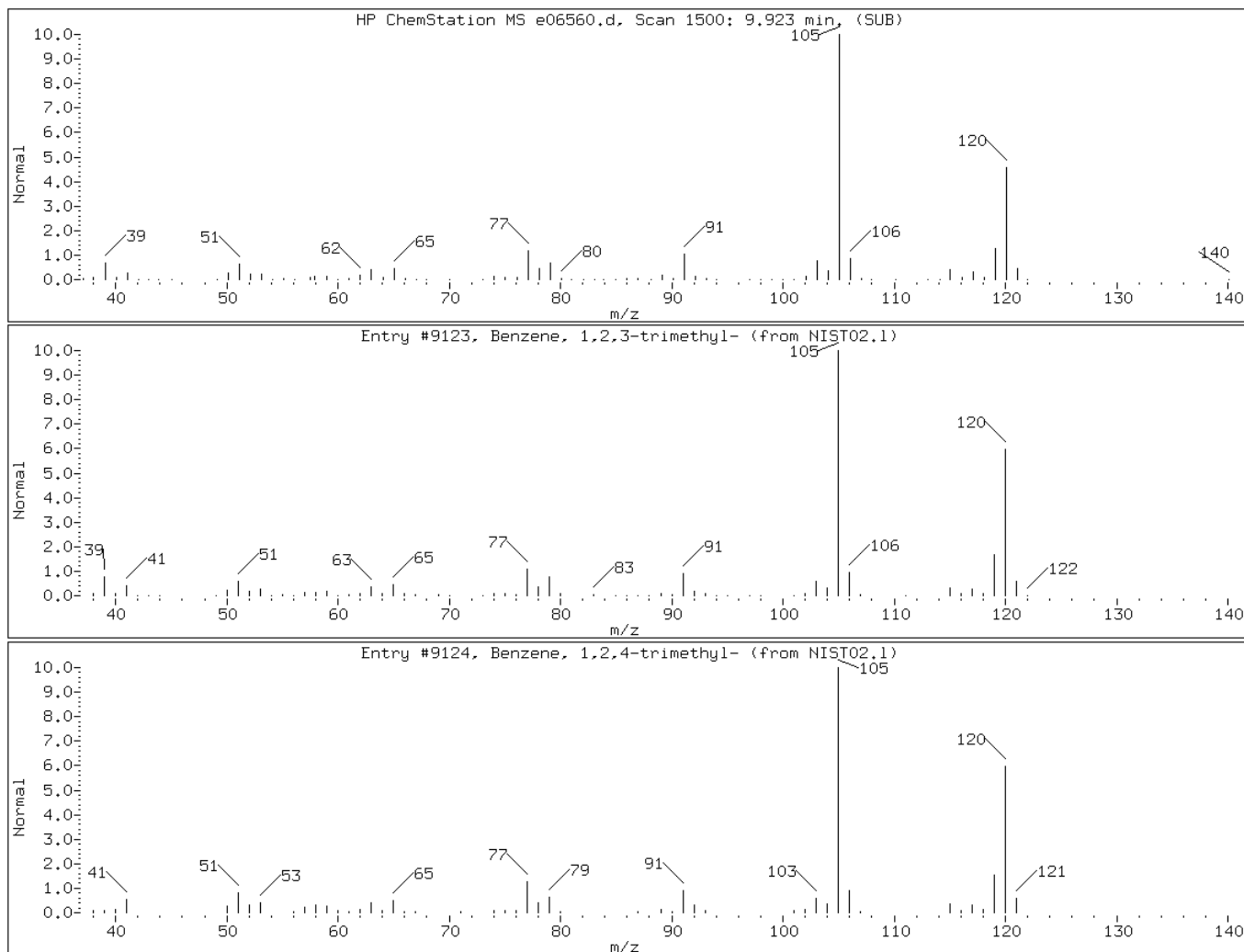
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 9.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic-1						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	97	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.1	9124	95	C9H12	120



Data File: e06560.d

Date: 10-AUG-2012 12:05

Client ID:

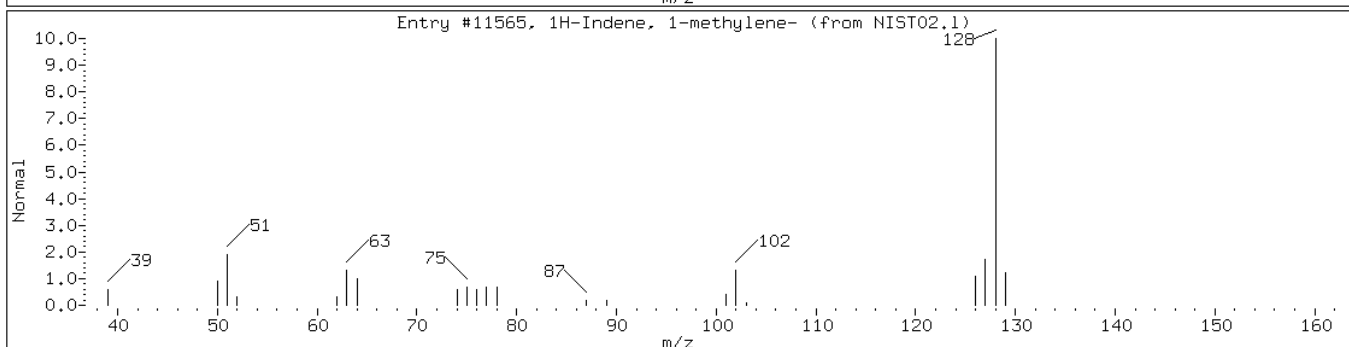
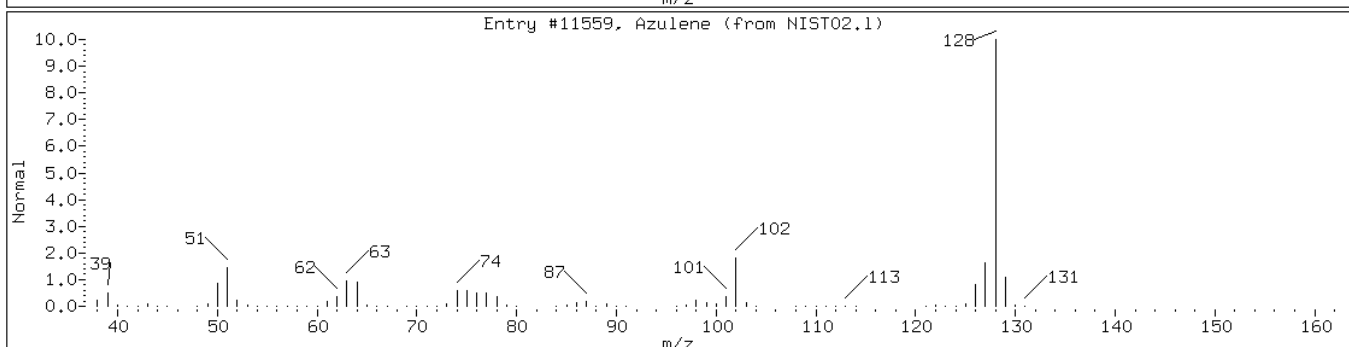
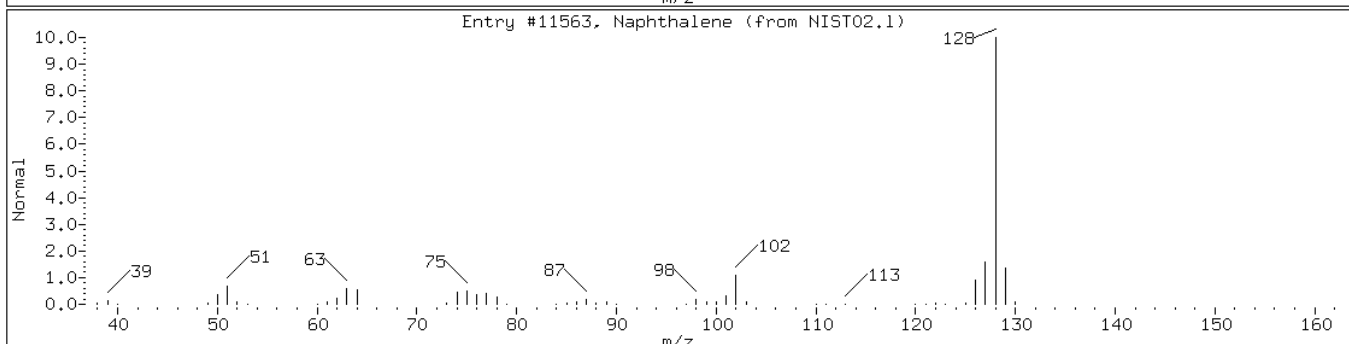
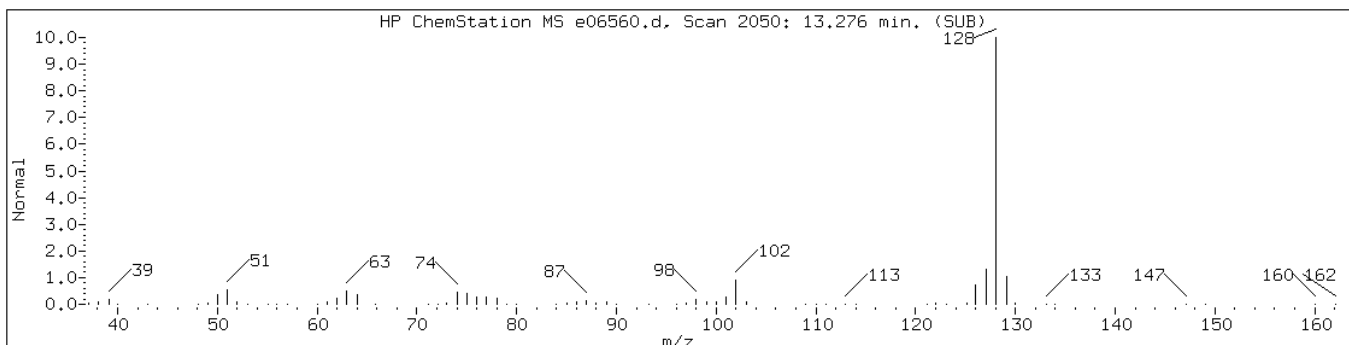
Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;5

Operator: GC/MS VOAMS5

Retention Time: 13.28

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene	91-20-3	NIST02.1	11563	97	C ₁₀ H ₈	128
Azulene	275-51-4	NIST02.1	11559	91	C ₁₀ H ₈	128
1H-Indene, 1-methylene-	2471-84-3	NIST02.1	11565	86	C ₁₀ H ₈	128



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-2
 Matrix: Water Lab File ID: e06561.d
 Analysis Method: 8260B Date Collected: 08/07/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	5.9		5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	12		1.0	0.10
110-82-7	Cyclohexane	8.7		1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	50		1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	9.7		1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	11		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-2
 Matrix: Water Lab File ID: e06561.d
 Analysis Method: 8260B Date Collected: 08/07/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	34		3.0	0.36
100-42-5	Styrene	0.15	J	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	29		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		70-130
460-00-4	4-Bromofluorobenzene	96		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-2
 Matrix: Water Lab File ID: e06561.d
 Analysis Method: 8260B Date Collected: 08/07/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L
 Number TICs Found: 10 TIC Result Total: 628

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	C5H12 Alkane	1.21	290	J
	C6H14 Alkane	1.73	62	J
	C6H14 Alkane-1	1.86	57	J
	C9H12 Aromatic	8.98	21	J
	C9H10 Aromatic	10.77	22	J
	C10H14 Aromatic	11.59	38	J
	C10H14 Aromatic-1	11.67	56	J
	C10H12 Aromatic	12.55	40	J
	C10H14 Aromatic-2	12.61	22	J
91-57-6	Naphthalene, 2-methyl-	14.25	20	J N

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06561.d
 Report Date: 10-Aug-2012 14:50

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06561.d
 Lab Smp Id: 460-43270-B-2
 Inj Date : 10-AUG-2012 12:29
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-43270-B-2
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
38 2-Butanone	72	3.071	3.071	(0.854)	3235	5.90742	5.9	
44 Cyclohexane	56	2.784	2.784	(0.774)	37561	8.65248	8.6	
48 Benzene	78	3.260	3.260	(0.469)	637326	49.6452	50	
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	244623	56.4886	56	
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	760792	50.0000		
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	42795	9.73025	9.7	
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	740023	48.7656	49	
66 Toluene	91	5.162	5.162	(0.742)	177218	11.1578	11	
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	650209	50.0000		
81 Ethylbenzene	106	7.064	7.064	(1.016)	70670	11.9406	12	
82 m+p-Xylene	106	7.277	7.277	(1.046)	186939	24.6044	25	
84 o-Xylene	106	7.862	7.862	(1.131)	72218	9.67153	9.7	
85 Styrene	104	7.948	7.942	(1.143)	1895	0.14559	0.14(a)	
88 Isopropylbenzene	105	8.350	8.350	(1.201)	597579	29.4812	29	
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	347880	47.8502	48	
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	415125	50.0000		

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06561.d
 Report Date: 10-Aug-2012 14:50

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
M 121 Xylene (Total)	100				259157	34.2759	34

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Data File: e06561.d

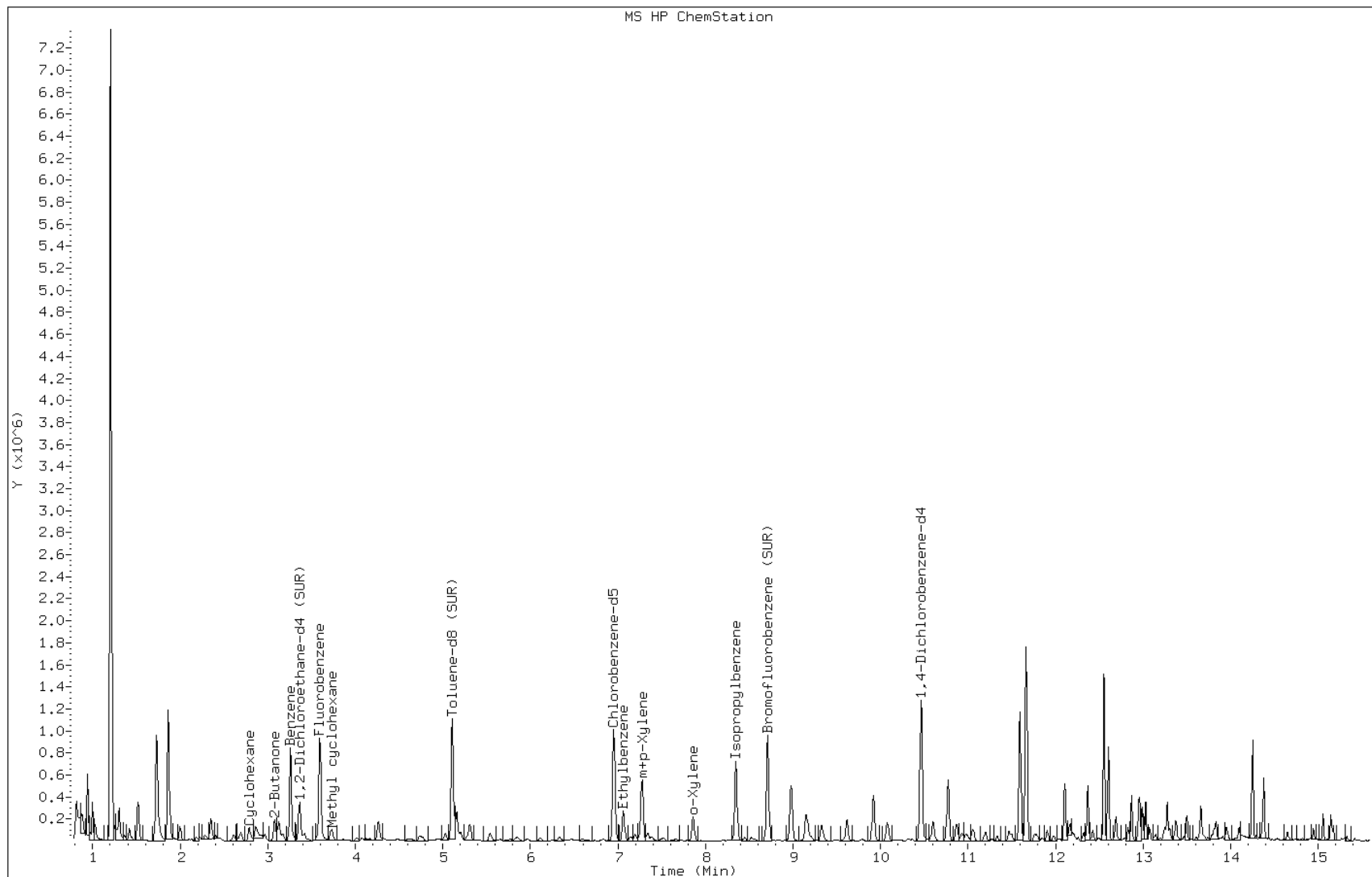
Date: 10-AUG-2012 12:29

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5



Data File: e06561.d

Date: 10-AUG-2012 12:29

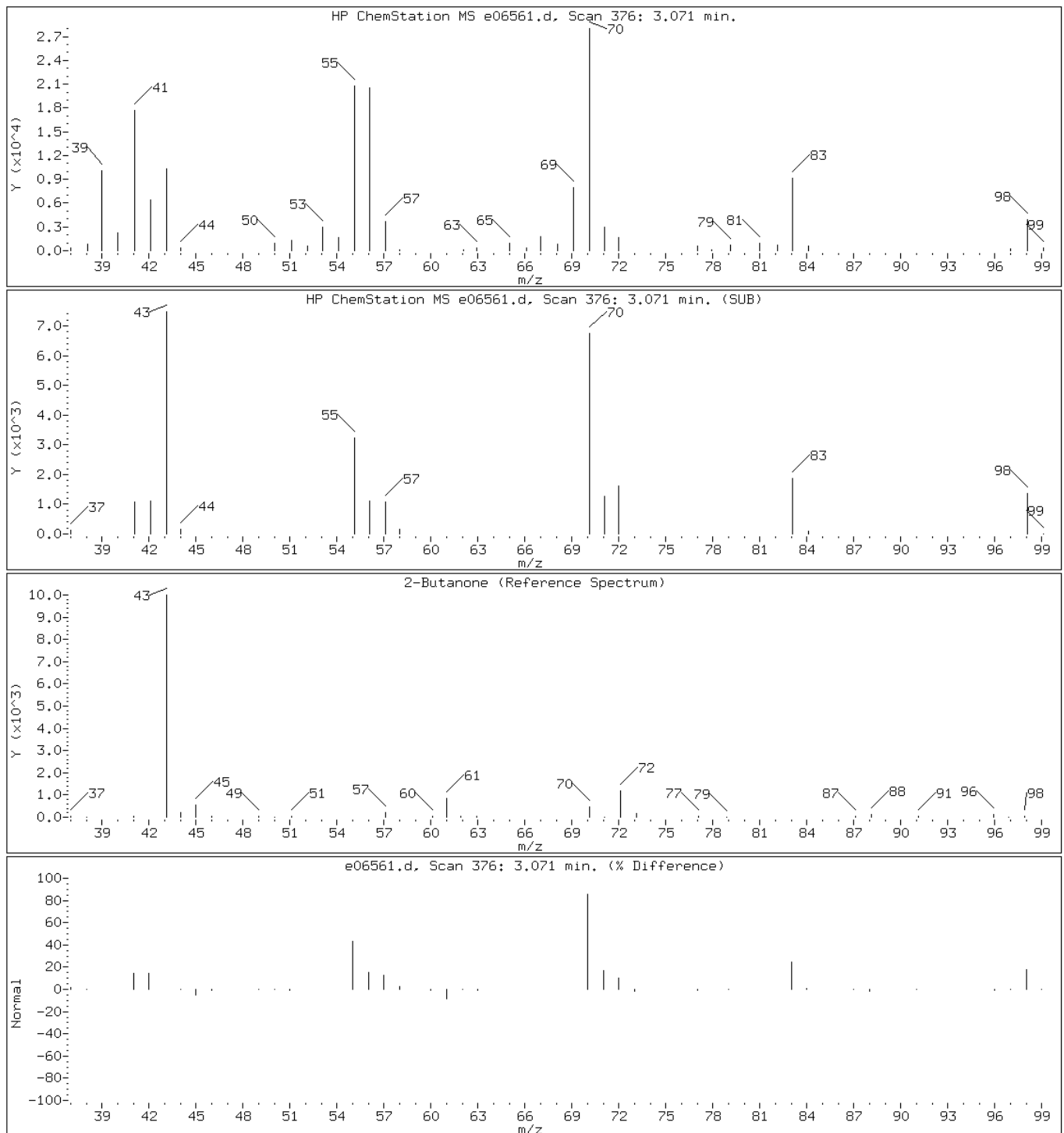
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

38 2-Butanone



Data File: e06561.d

Date: 10-AUG-2012 12:29

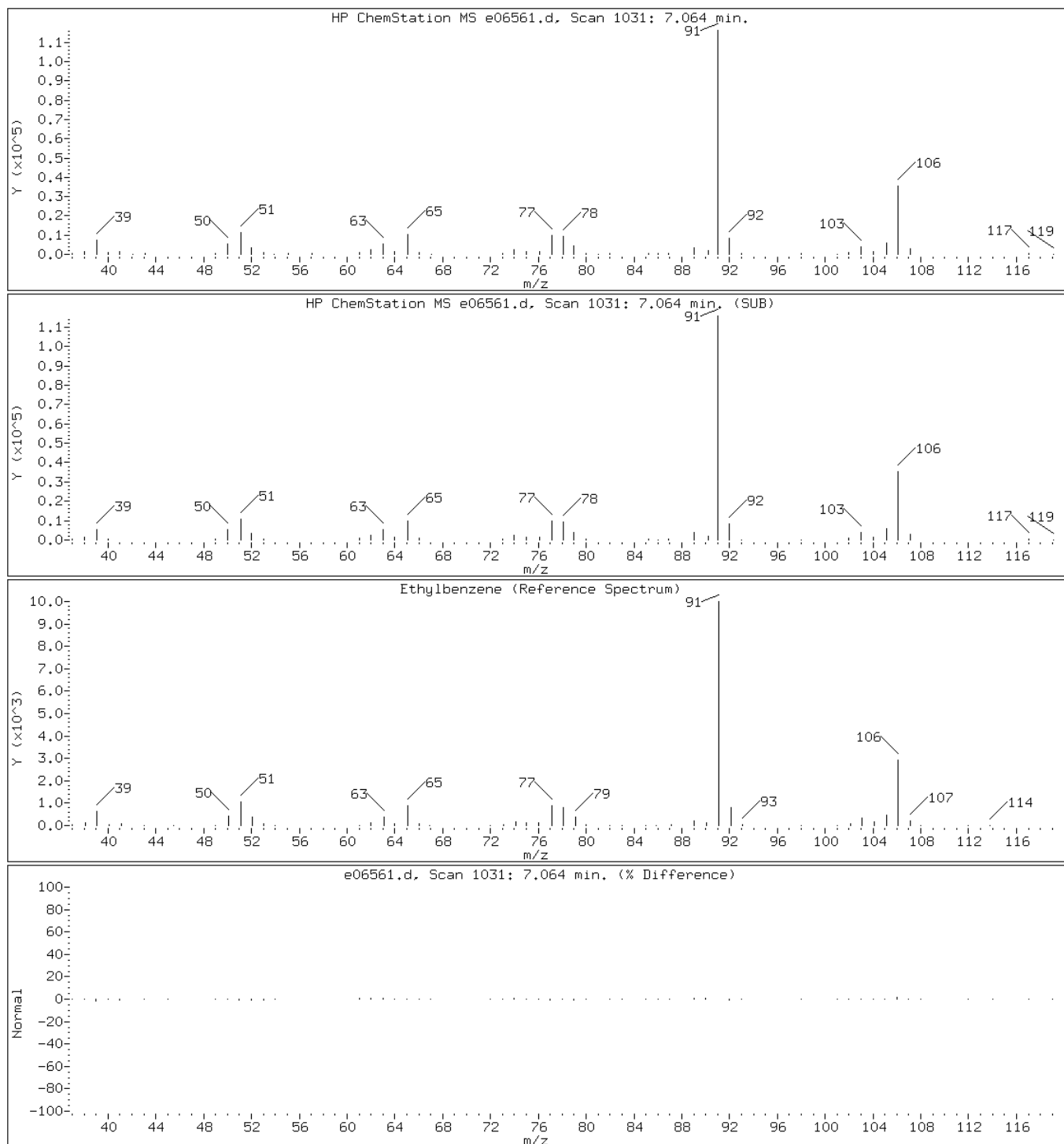
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e06561.d

Date: 10-AUG-2012 12:29

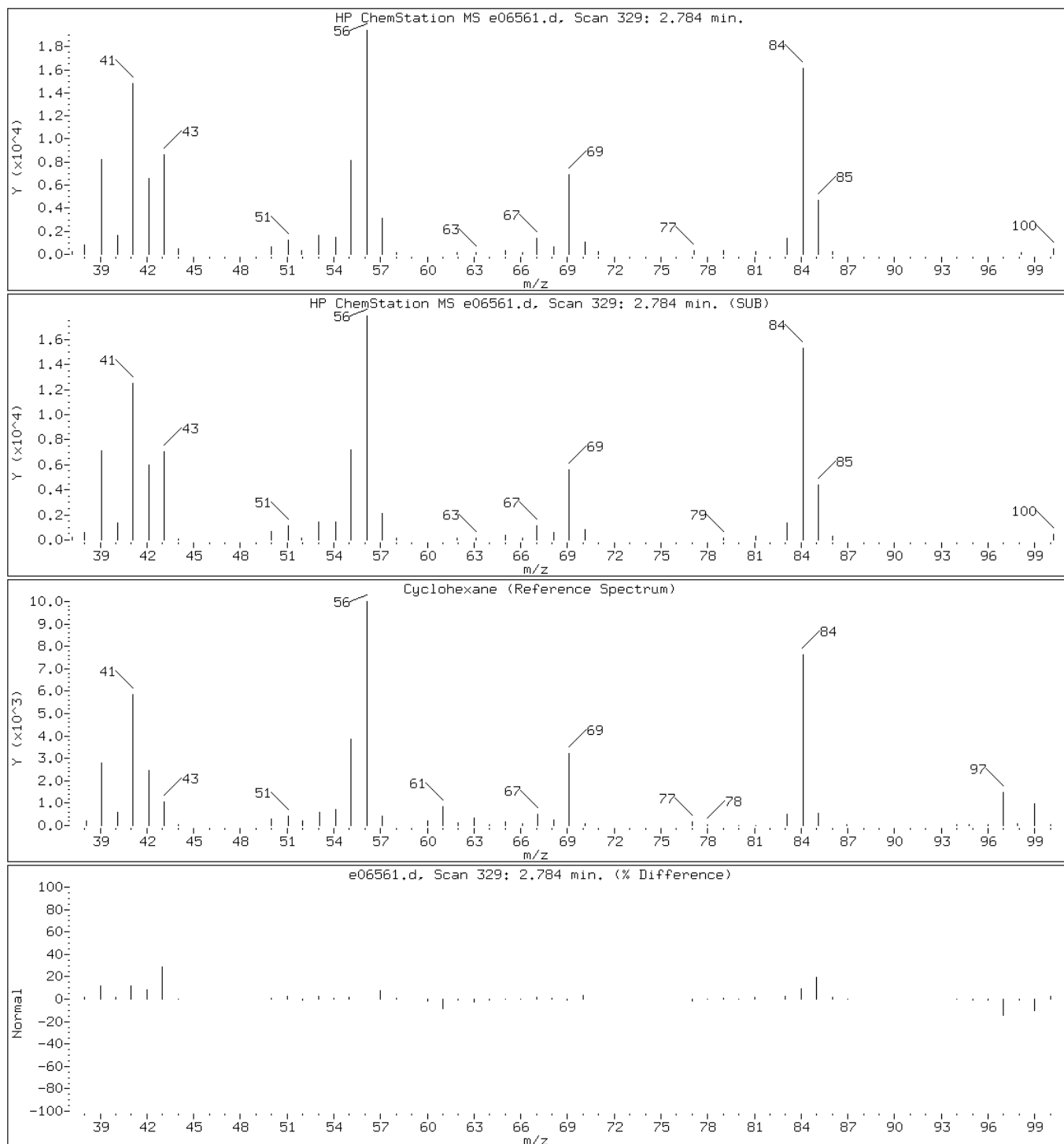
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e06561.d

Date: 10-AUG-2012 12:29

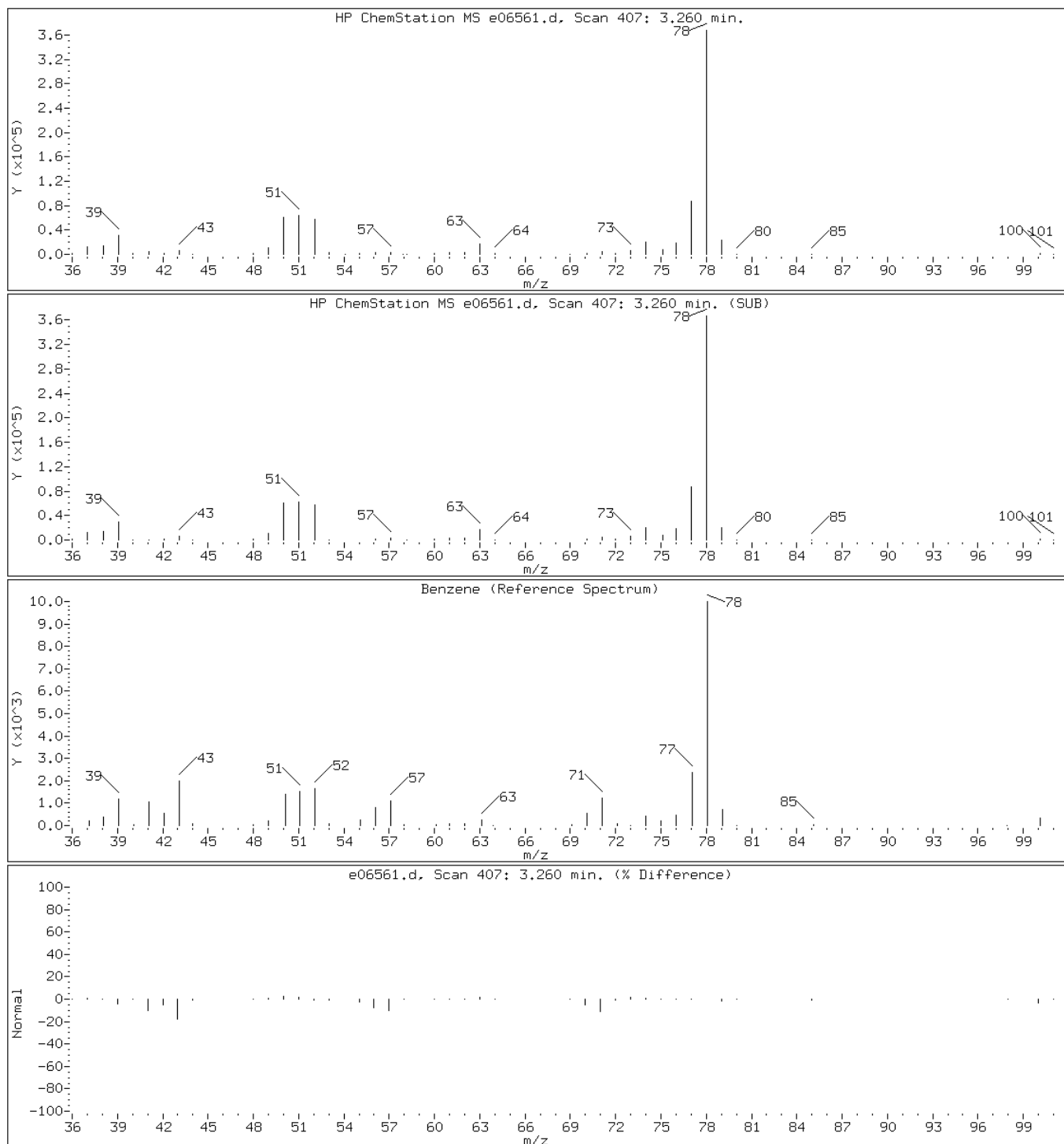
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

48 Benzene



Data File: e06561.d

Date: 10-AUG-2012 12:29

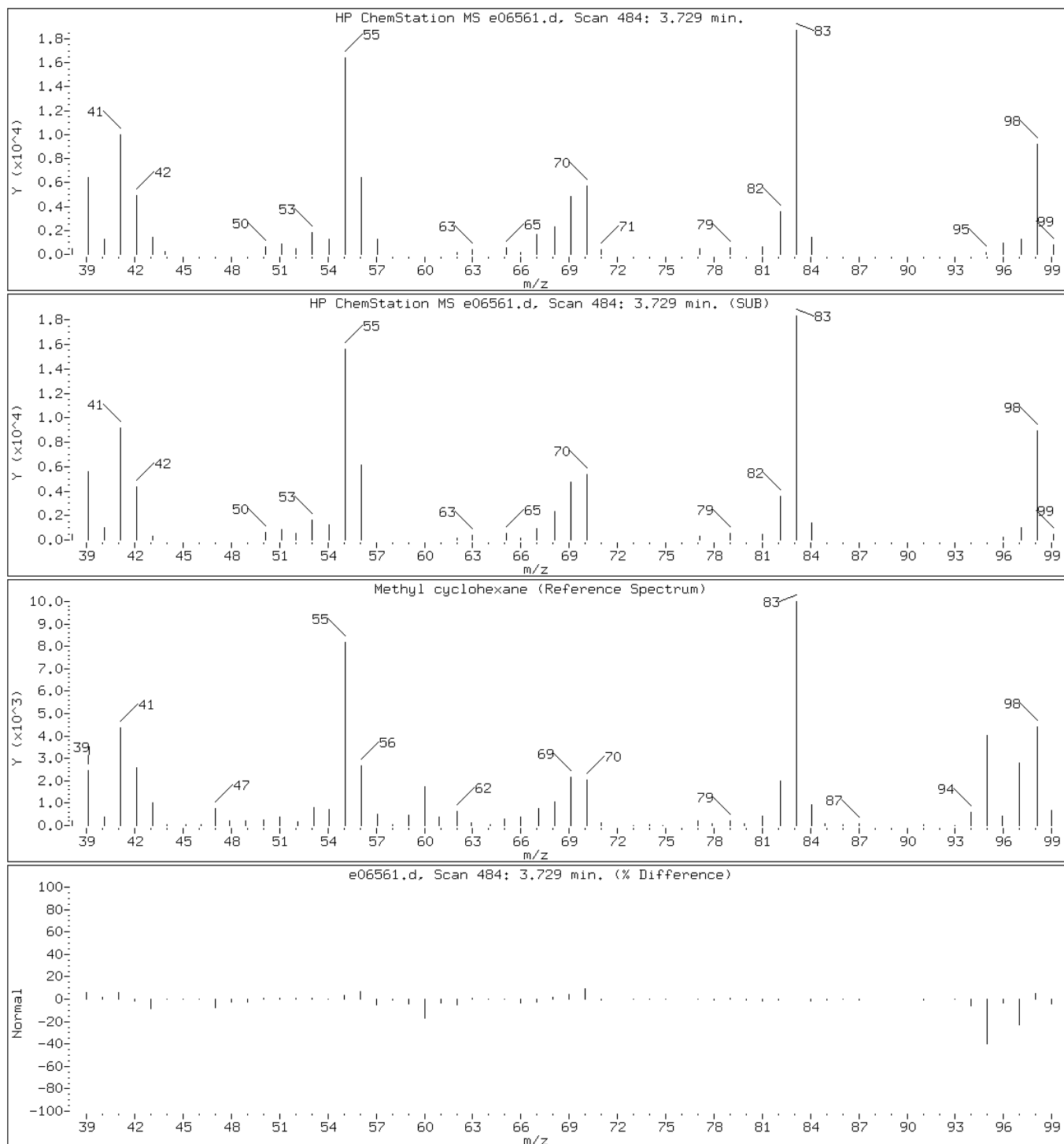
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e06561.d

Date: 10-AUG-2012 12:29

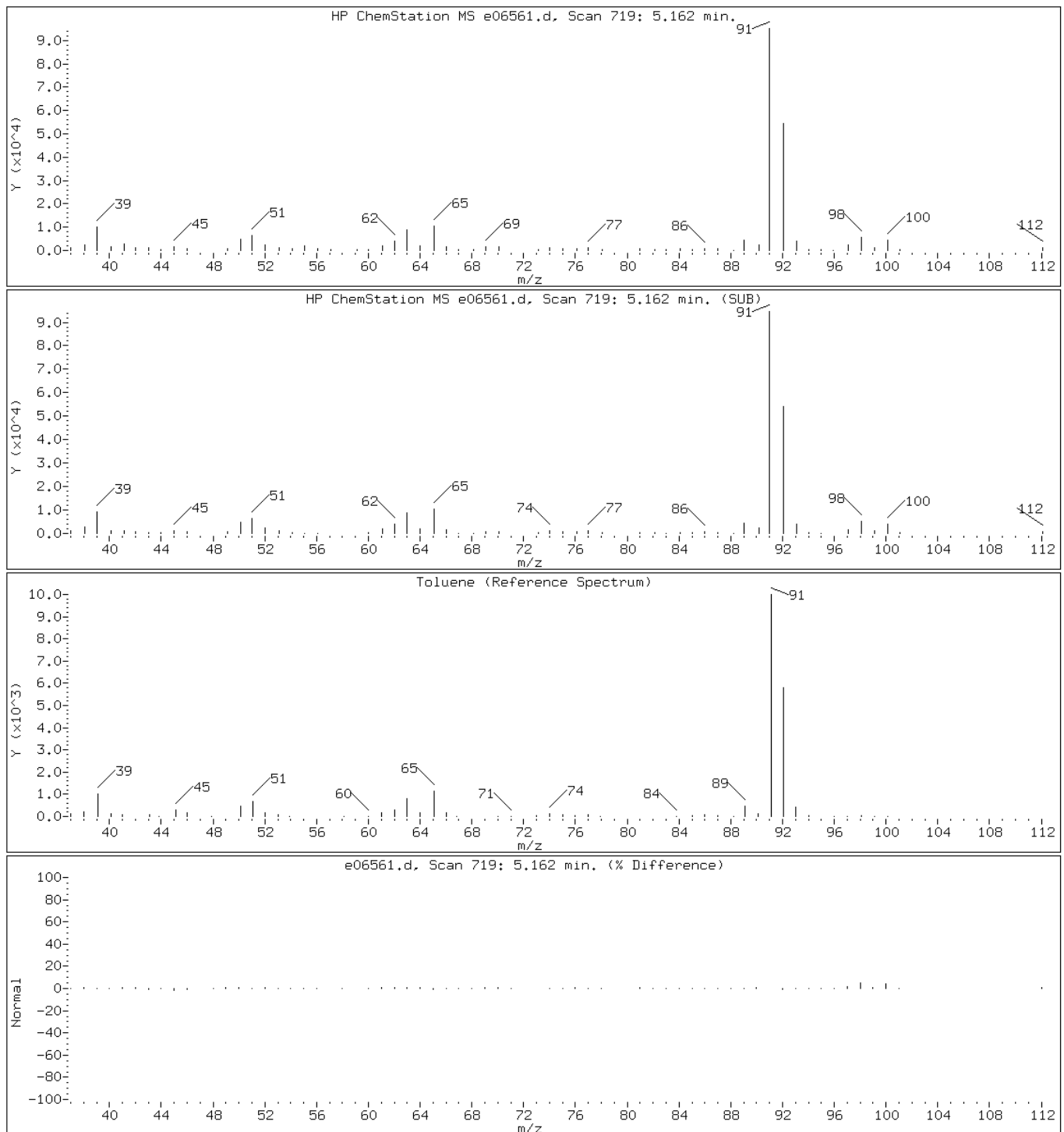
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

66 Toluene



Data File: e06561.d

Date: 10-AUG-2012 12:29

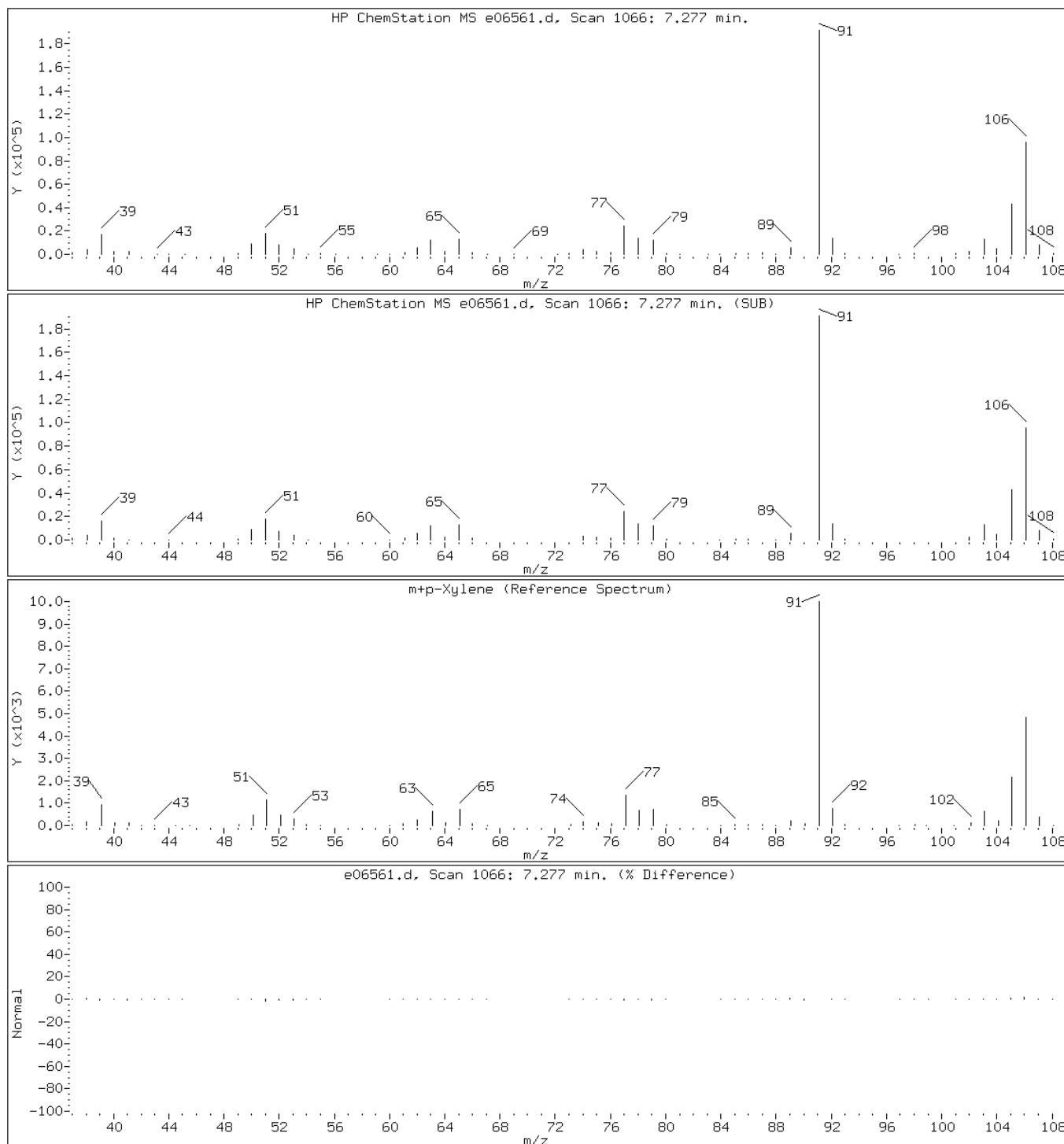
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e06561.d

Date: 10-AUG-2012 12:29

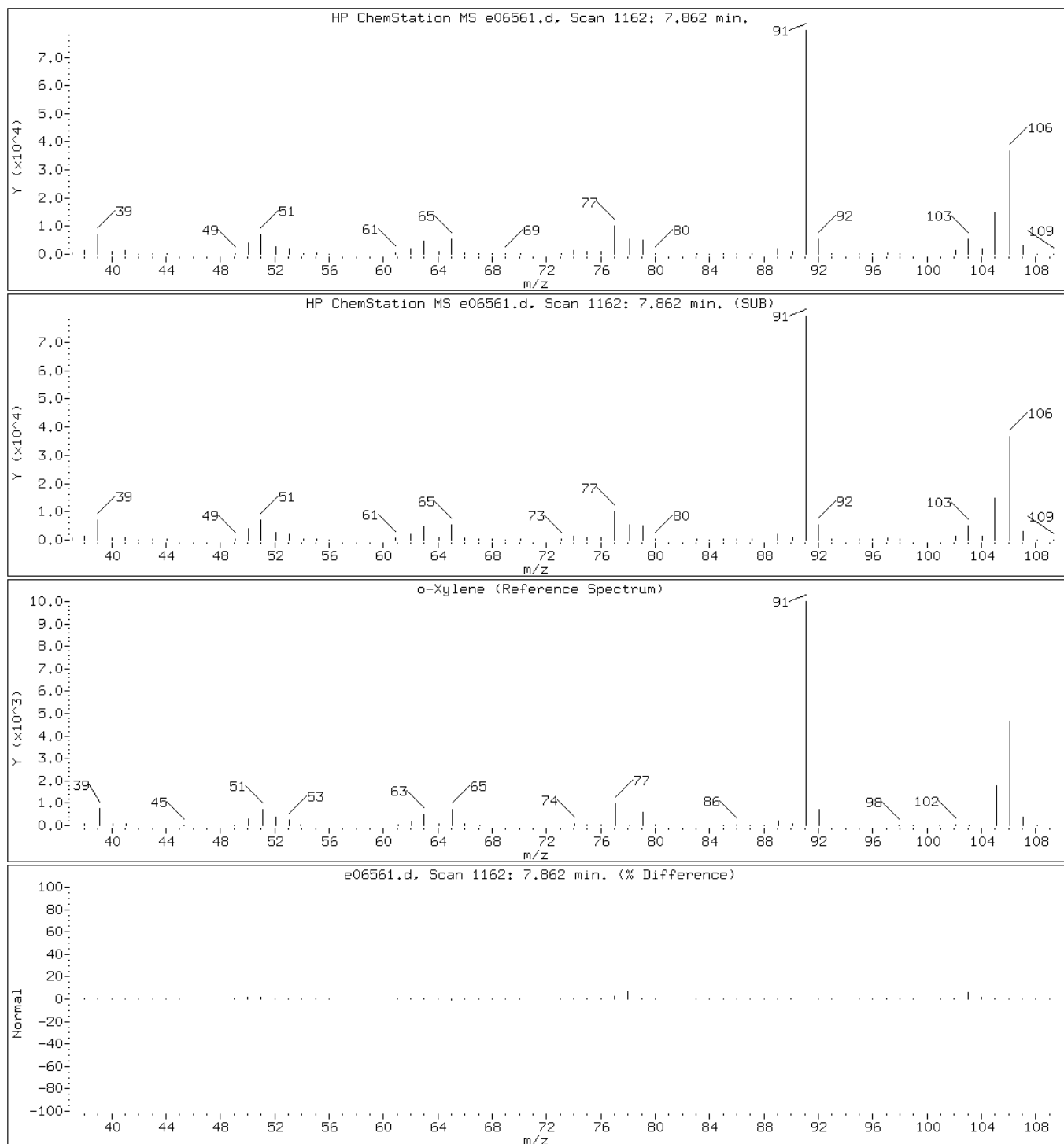
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

84 o-Xylene



Data File: e06561.d

Date: 10-AUG-2012 12:29

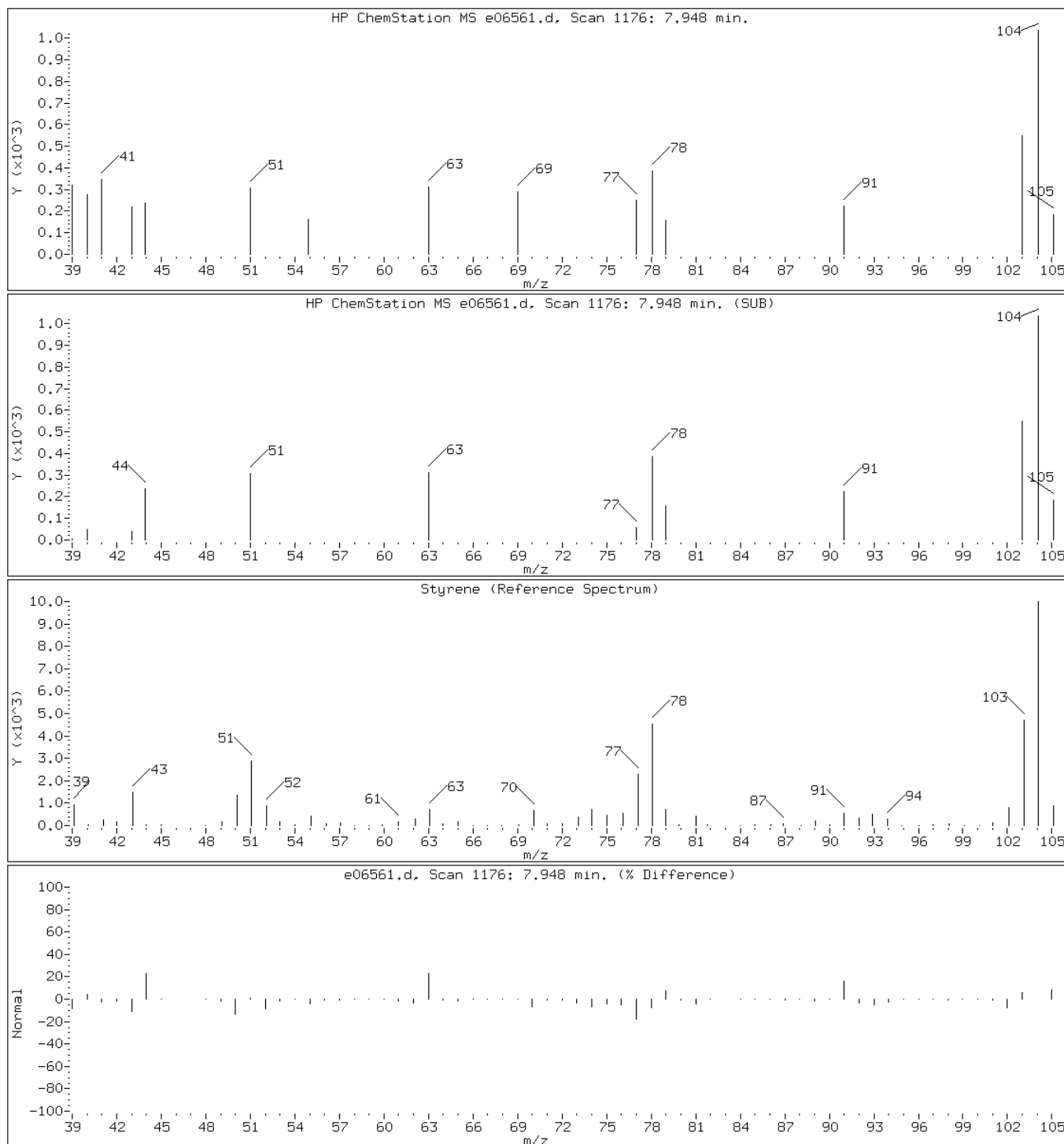
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

85 Styrene



Data File: e06561.d

Date: 10-AUG-2012 12:29

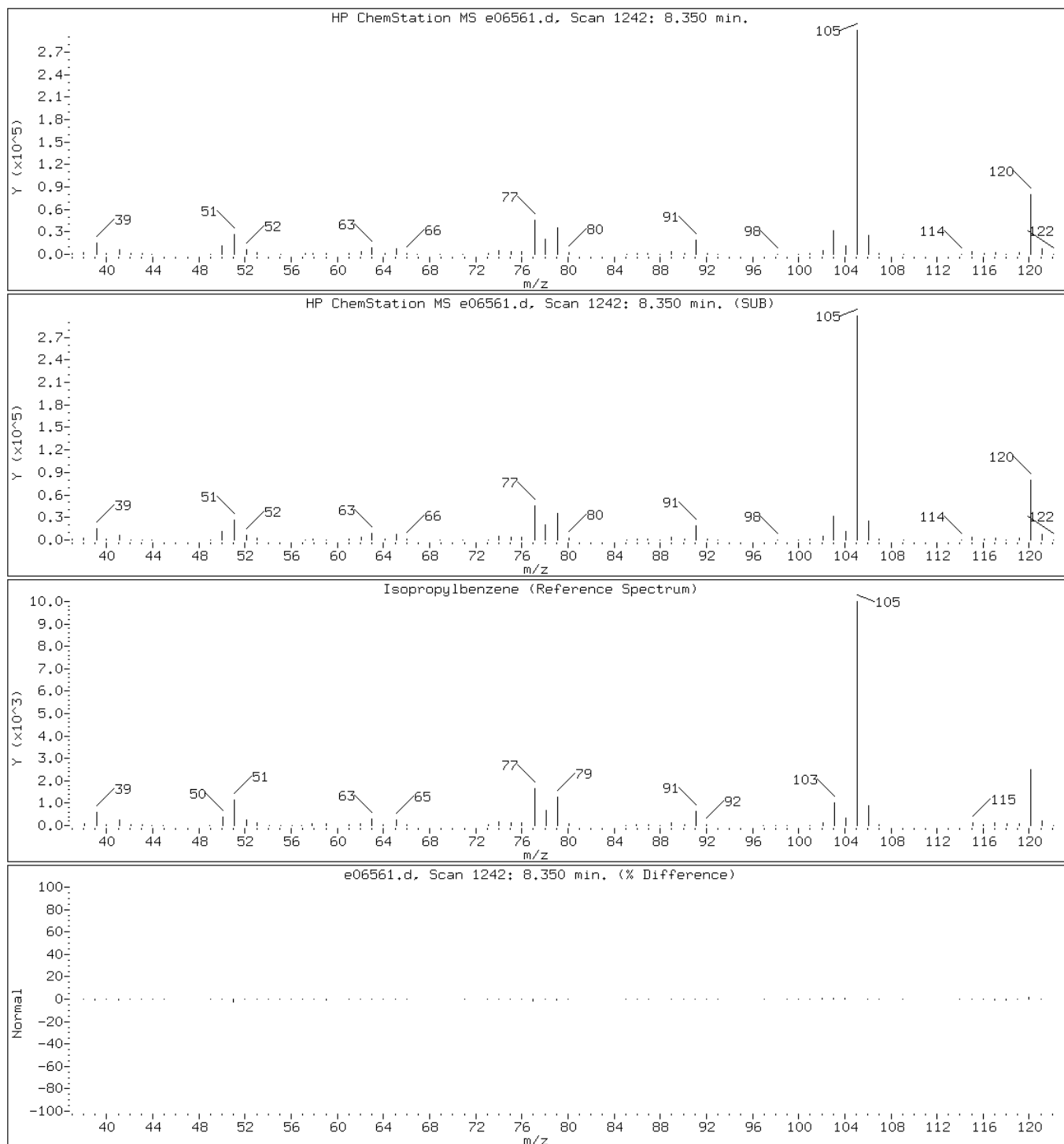
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

88 Isopropylbenzene



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

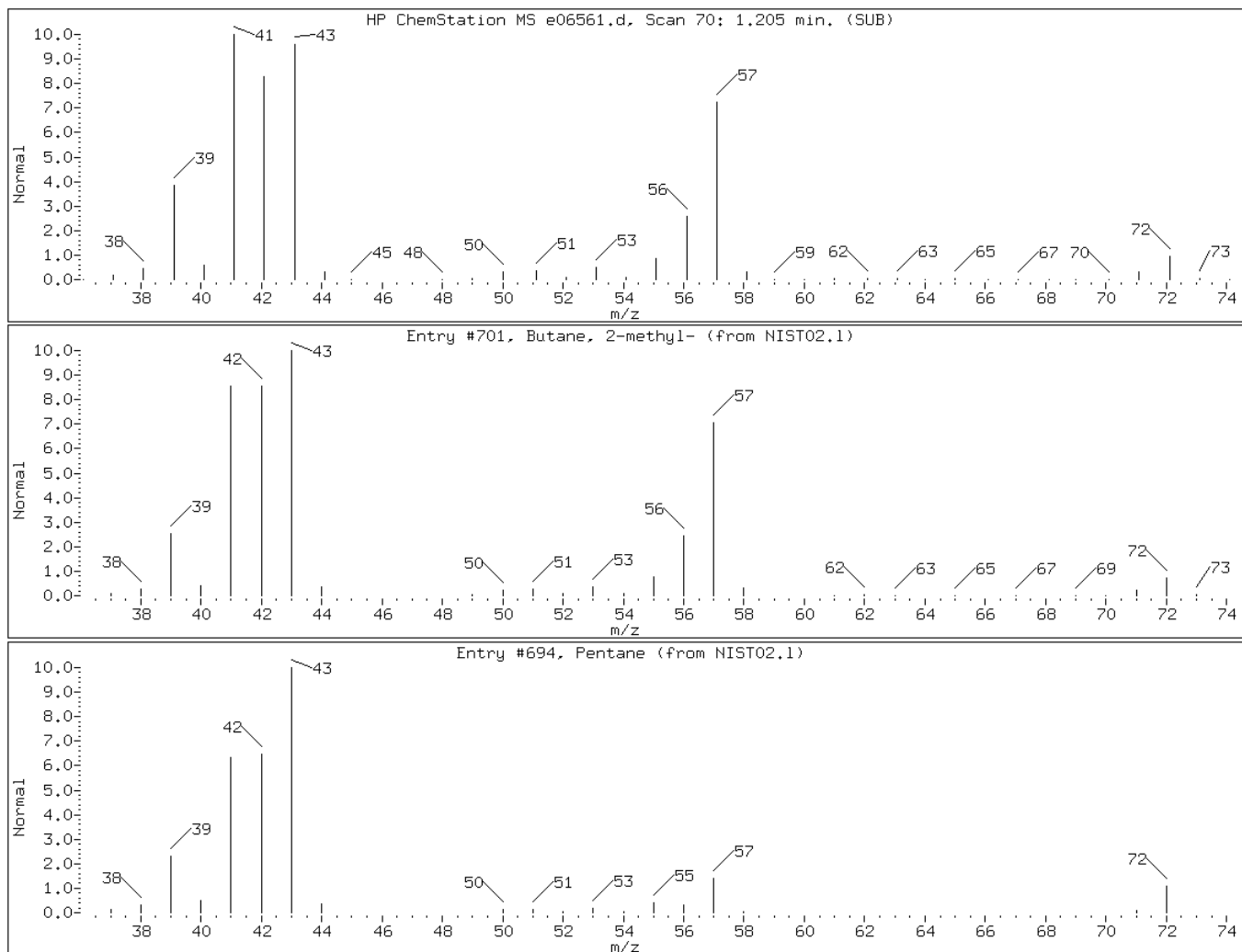
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 1.21

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	81	C5H12	72
Pentane	109-66-0	NIST02.1	694	50	C5H12	72



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

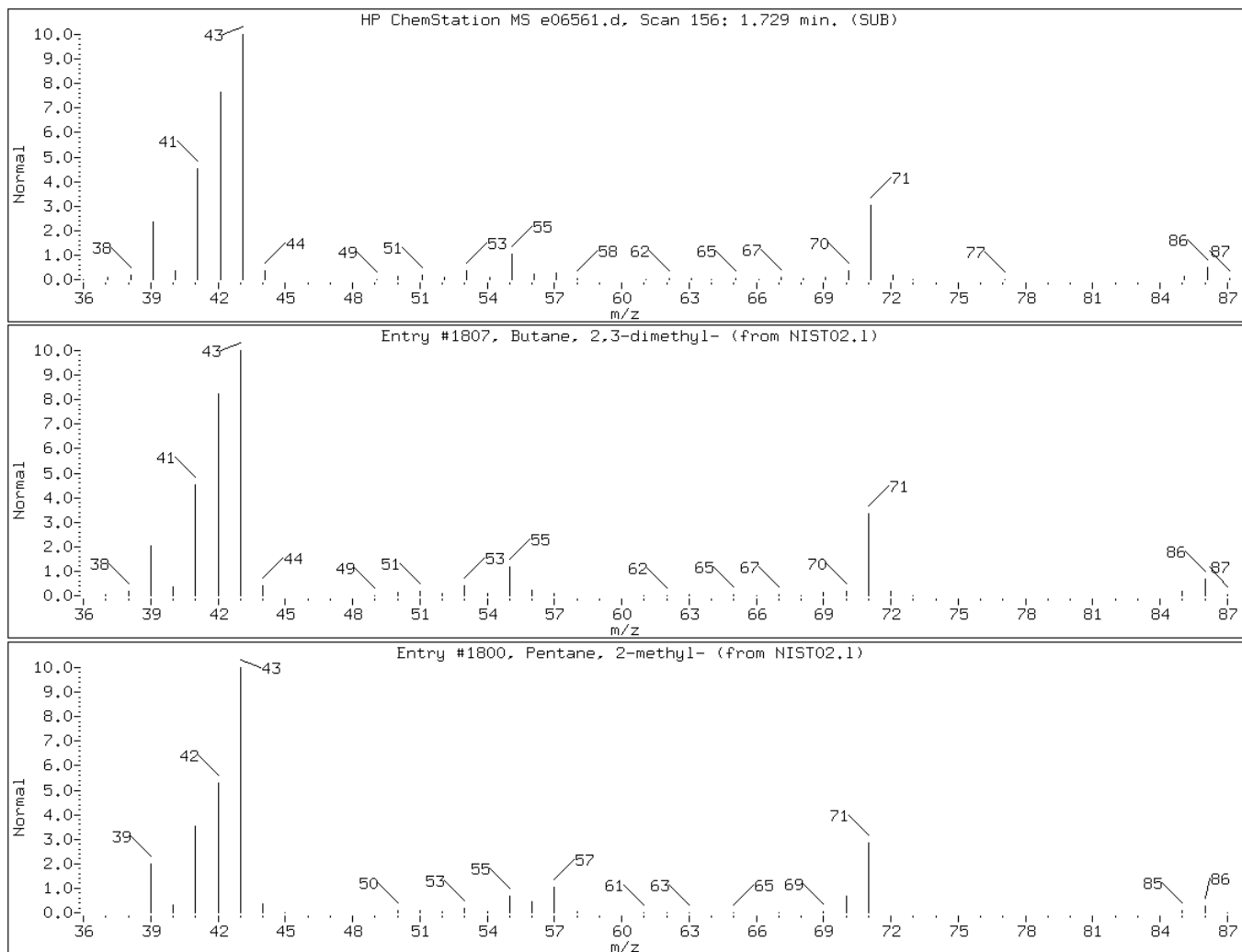
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 1.73

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H14 Alkane						
Butane, 2,3-dimethyl-	79-29-8	NIST02.1	1807	91	C6H14	86
Pentane, 2-methyl-	107-83-5	NIST02.1	1800	86	C6H14	86



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

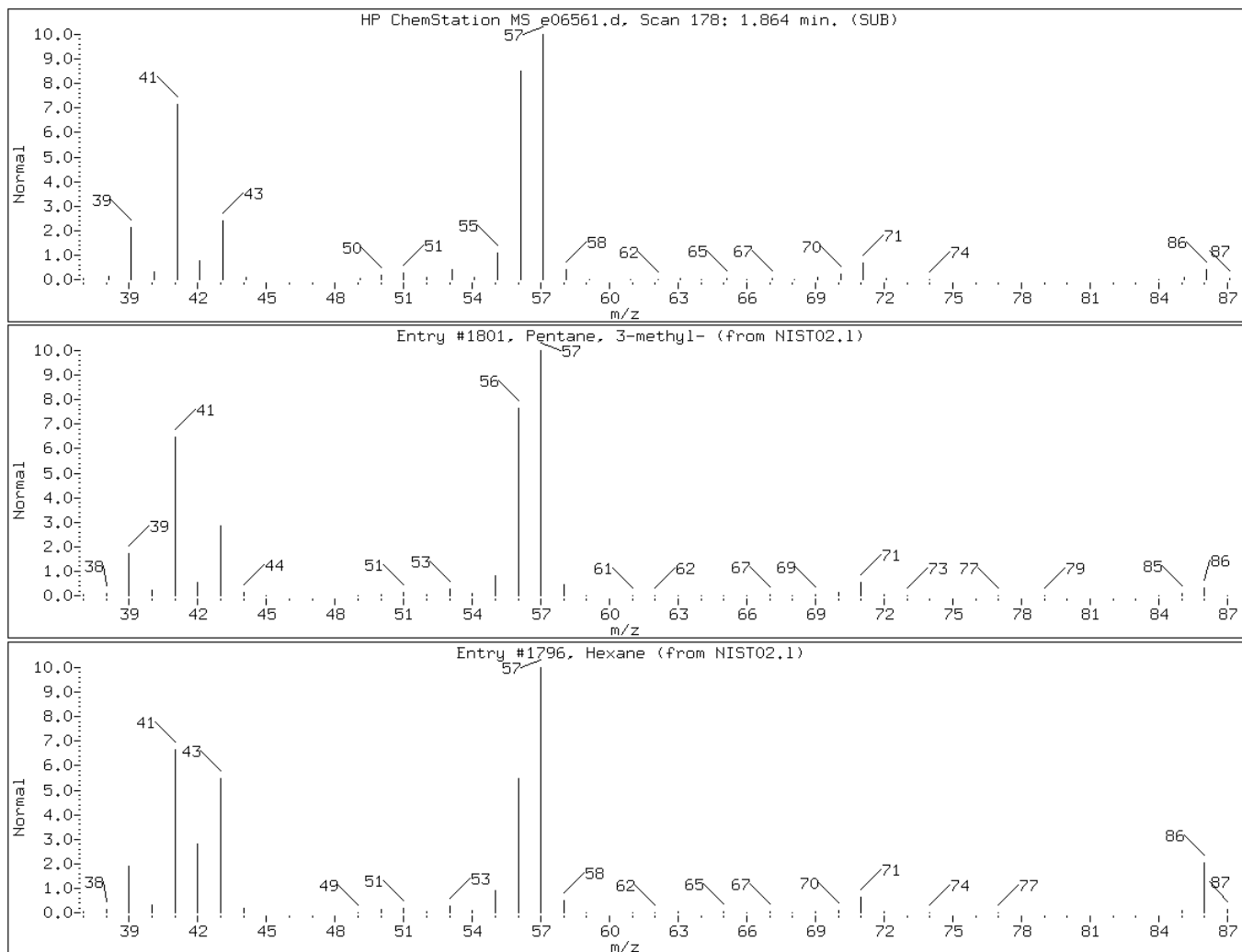
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 1.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H14 Alkane-1						
Pentane, 3-methyl-	96-14-0	NIST02.1	1801	90	C6H14	86
Hexane	110-54-3	NIST02.1	1796	50	C6H14	86



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

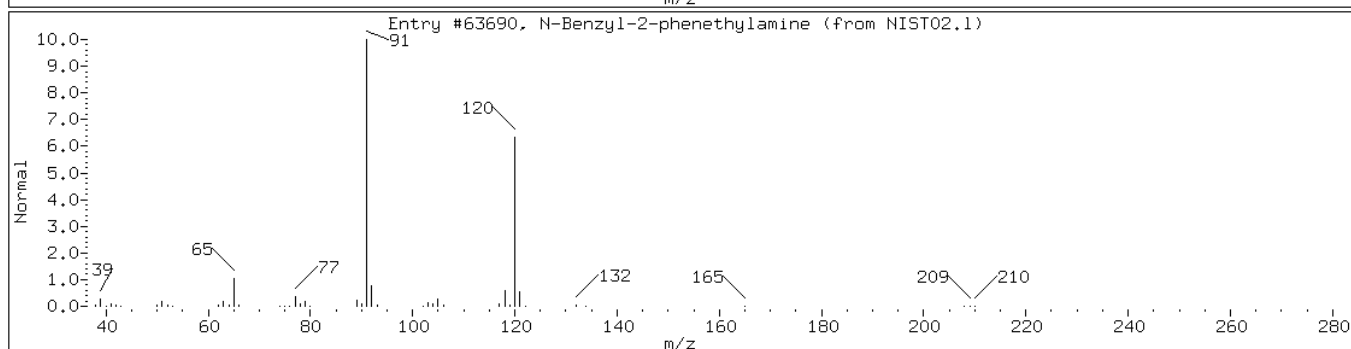
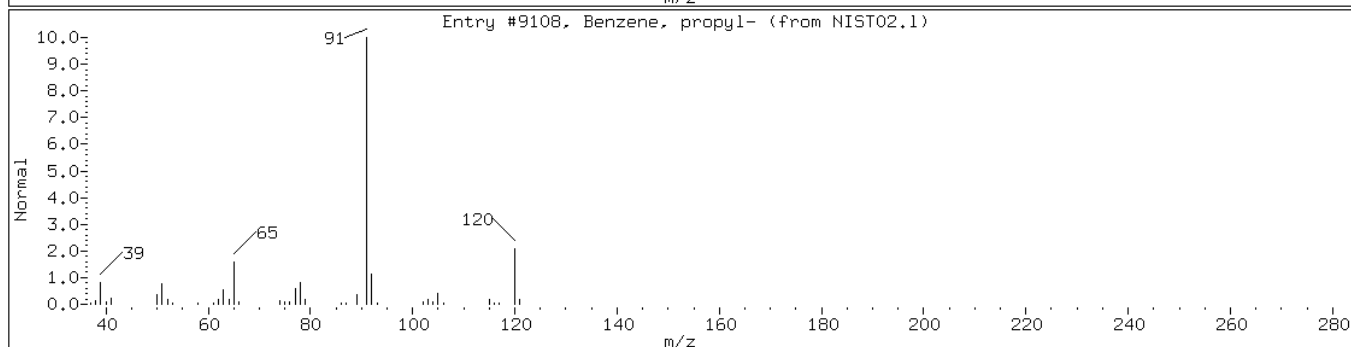
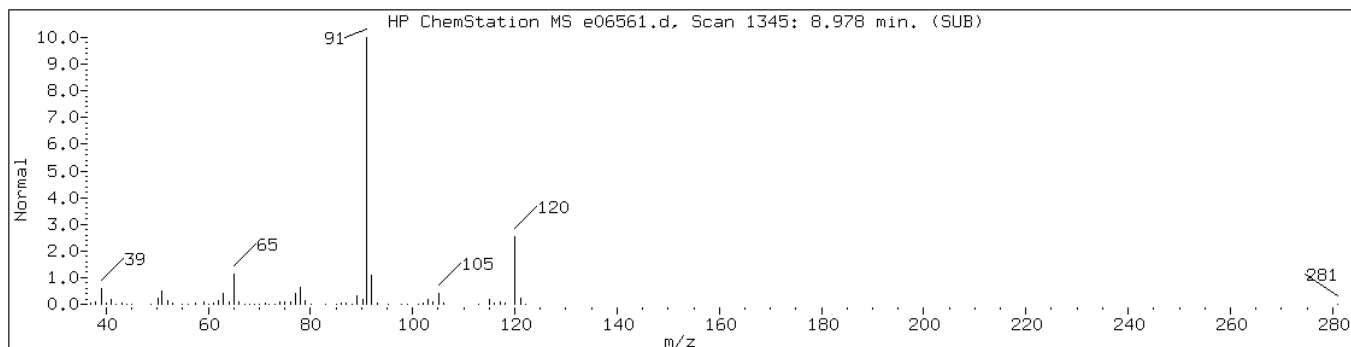
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 8.98

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic						
Benzene, propyl-	103-65-1	NIST02.1	9108	94	C9H12	120
N-Benzyl-2-phenethylamine	3647-71-0	NIST02.1	63690	78	C15H17N	211



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

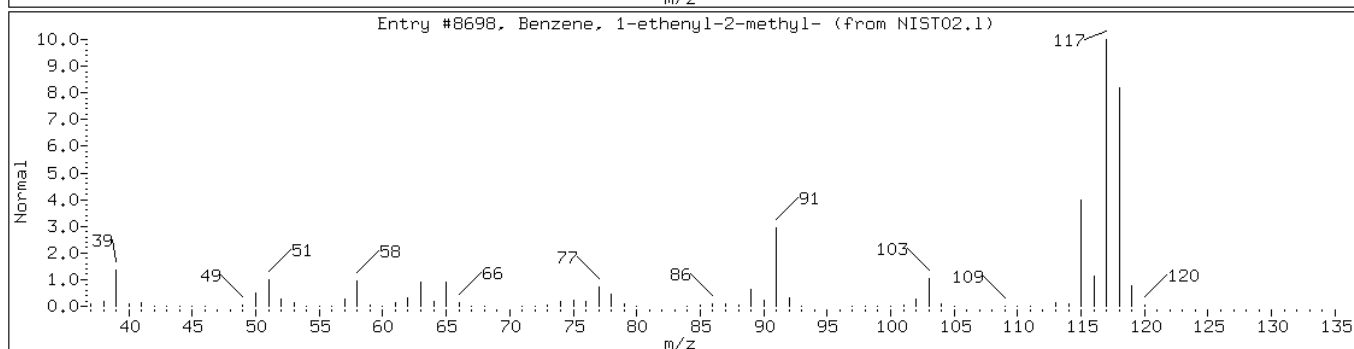
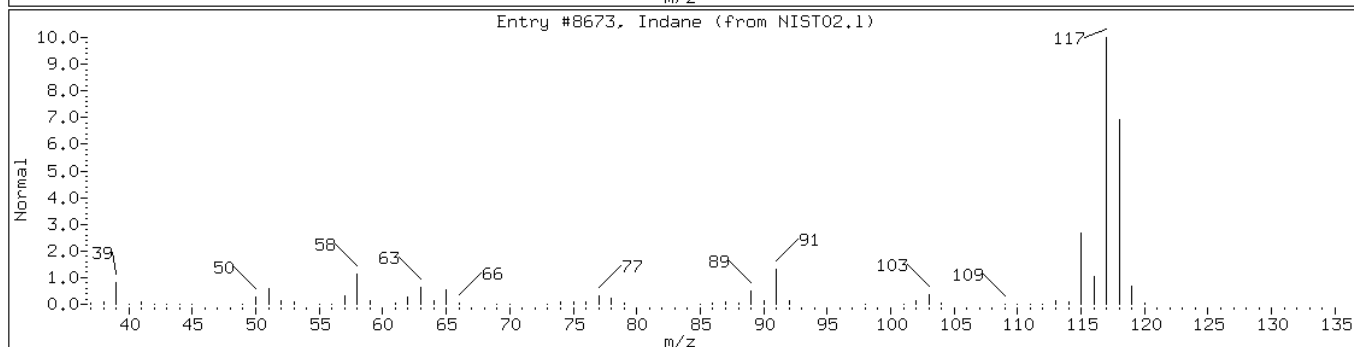
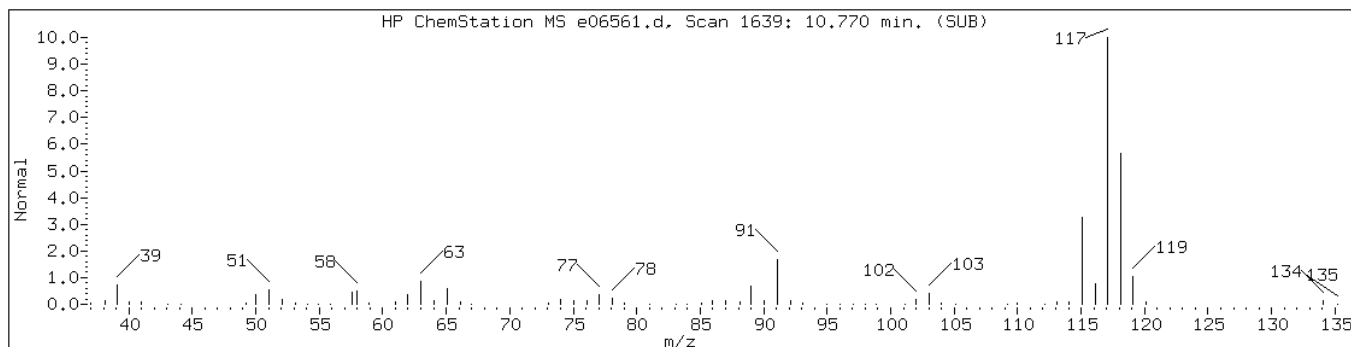
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 10.77

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H10 Aromatic						
Indane	496-11-7	NIST02.1	8673	87	C9H10	118
Benzene, 1-ethenyl-2-methyl-	611-15-4	NIST02.1	8698	74	C9H10	118



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

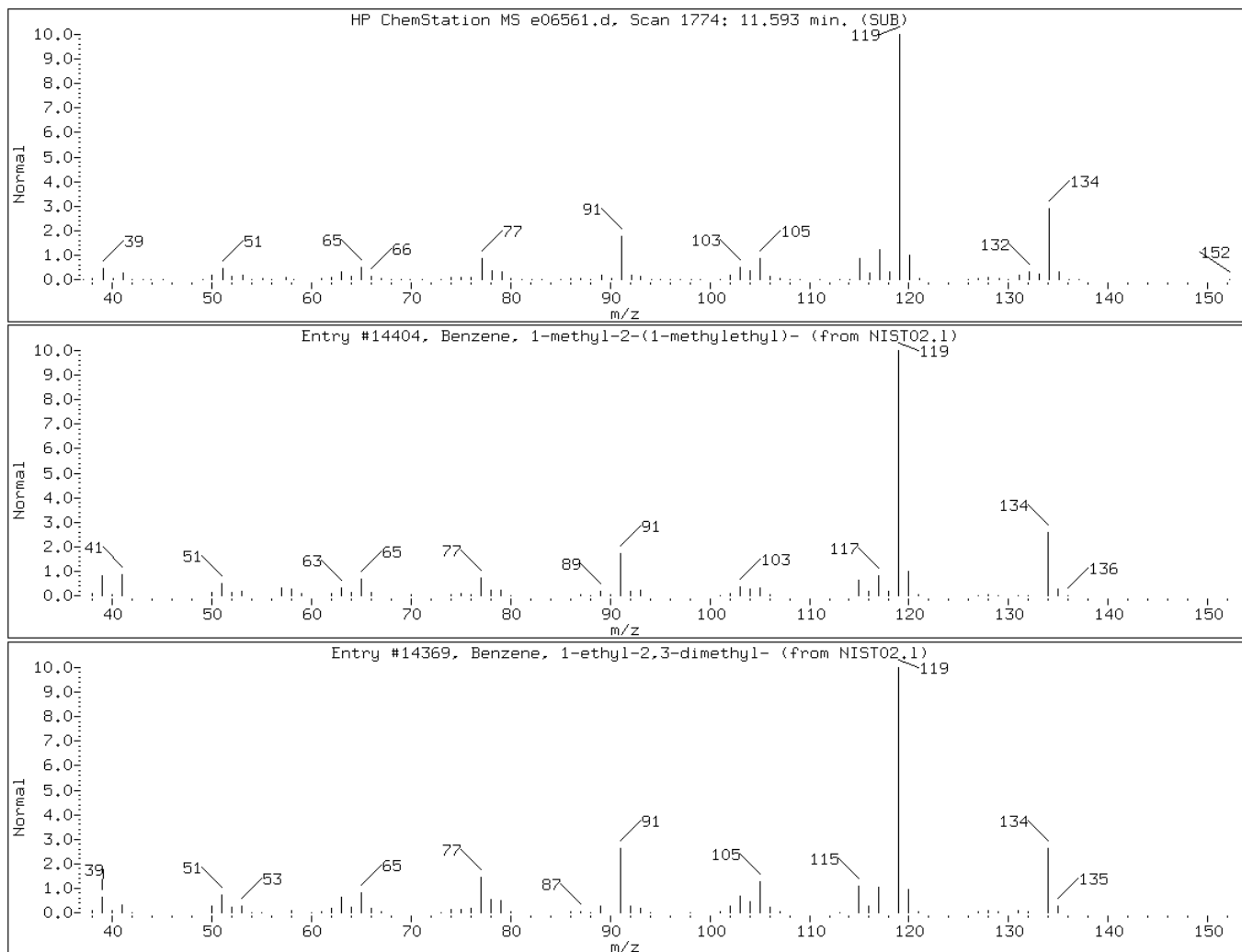
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 11.59

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H14 Aromatic						
Benzene, 1-methyl-2-(1-methylethyl)	527-84-4	NIST02.1	14404	97	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NIST02.1	14369	96	C10H14	134



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

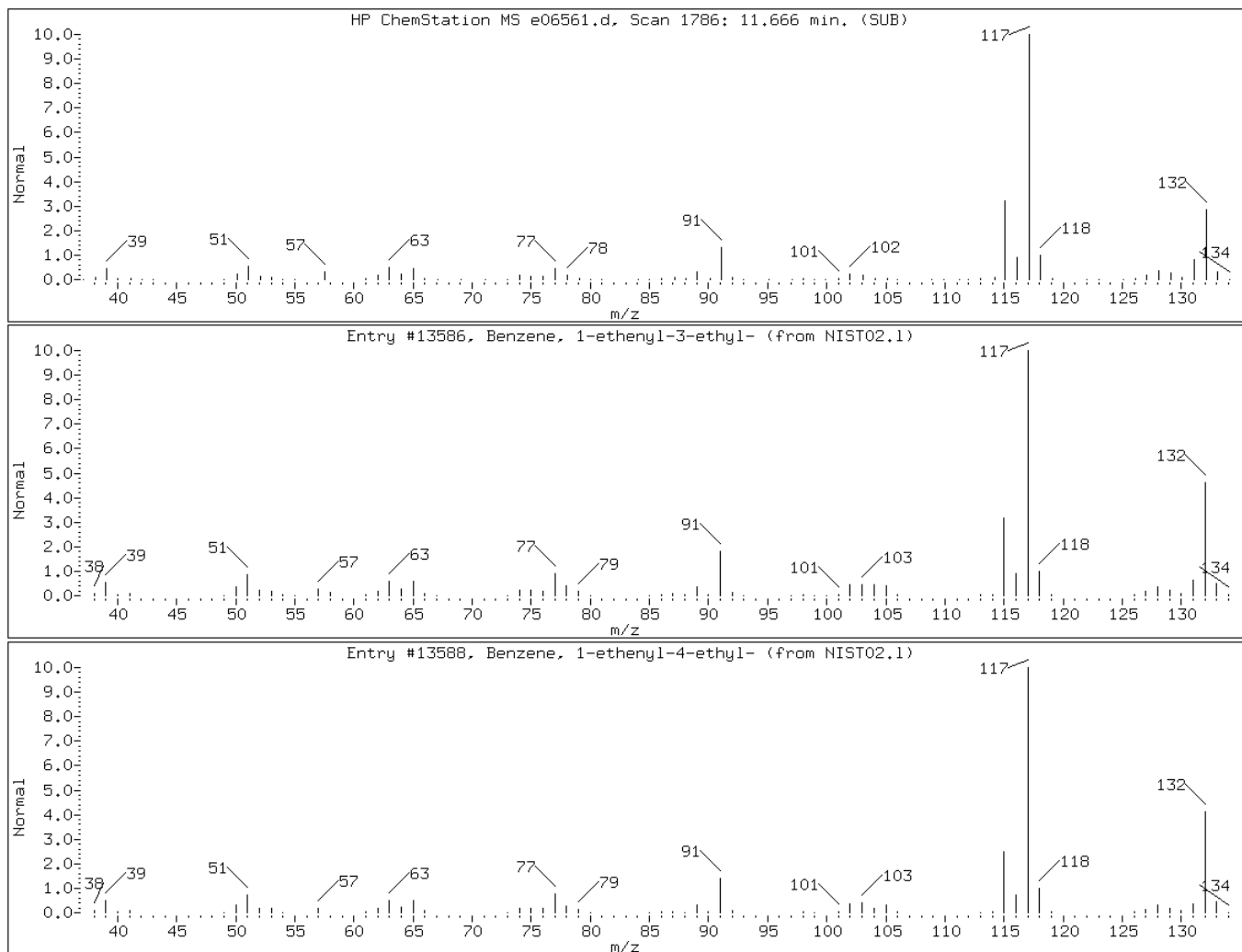
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 11.67

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H14 Aromatic-1						
Benzene, 1-ethenyl-3-ethyl-	7525-62-4	NIST02.1	13586	91	C10H12	132
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NIST02.1	13588	91	C10H12	132



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

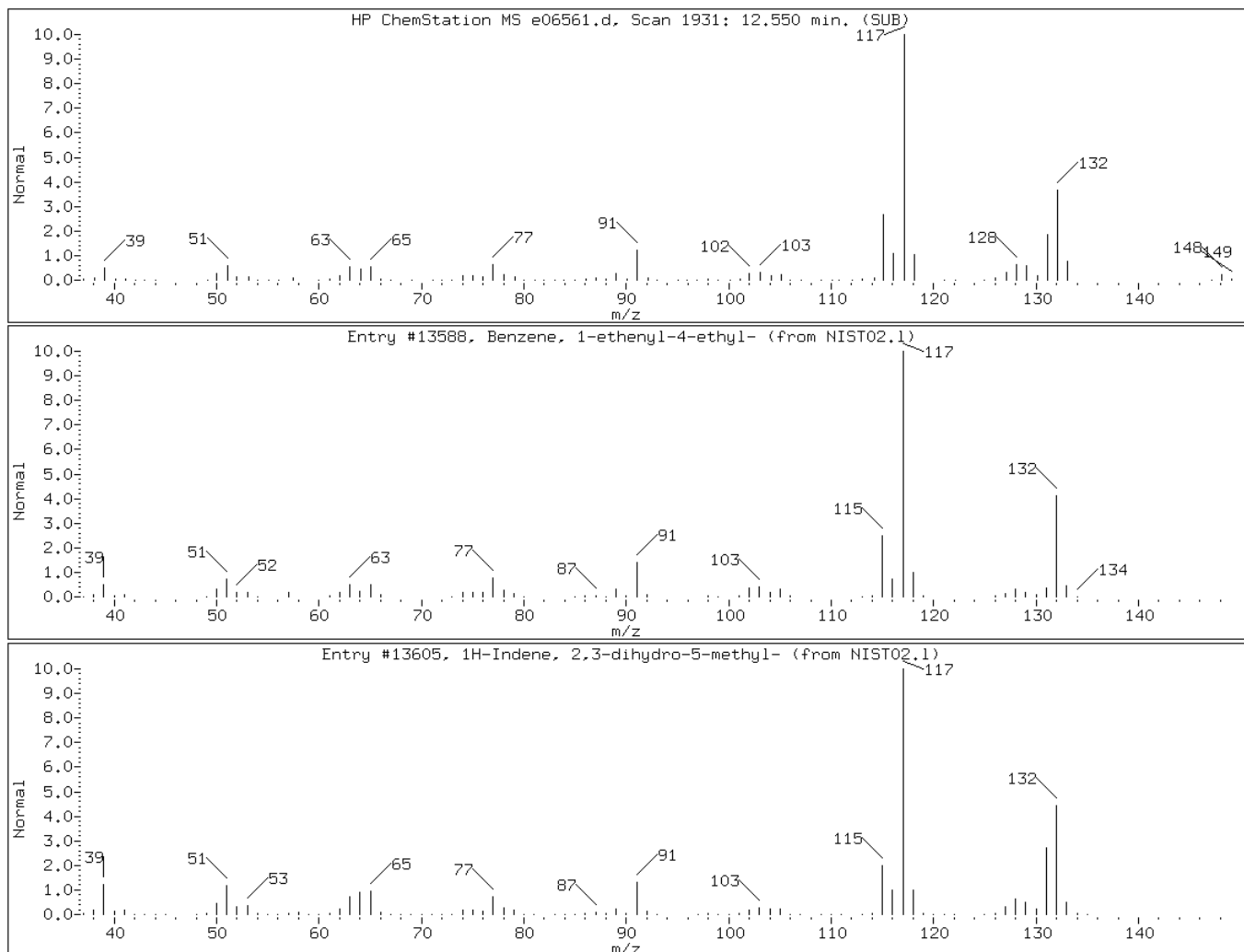
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 12.55

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic						
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NIST02.1	13588	93	C10H12	132
1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	NIST02.1	13605	90	C10H12	132



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

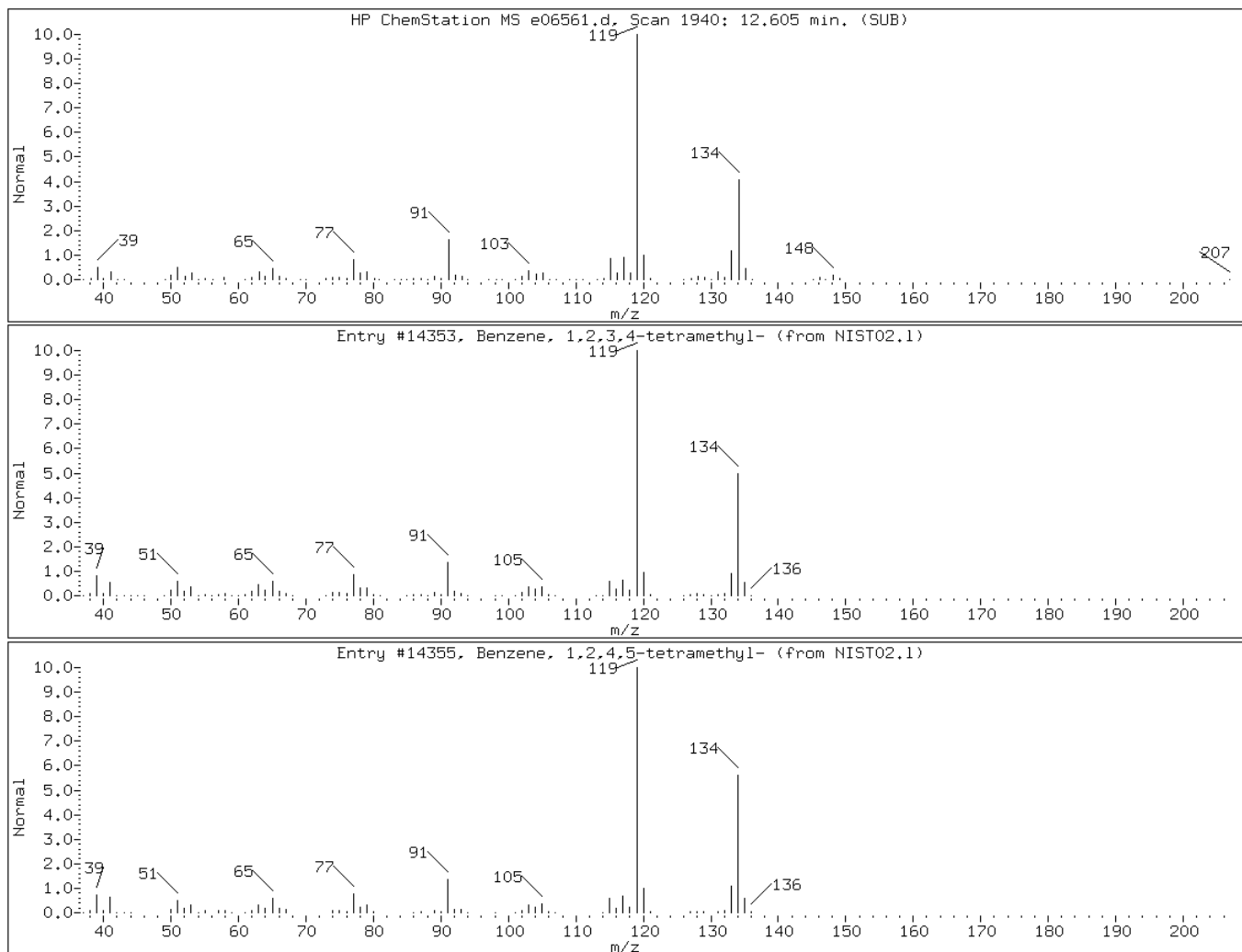
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 12.61

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H14 Aromatic-2						
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.1	14353	95	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.1	14355	95	C10H14	134



Data File: e06561.d

Date: 10-AUG-2012 12:29

Client ID:

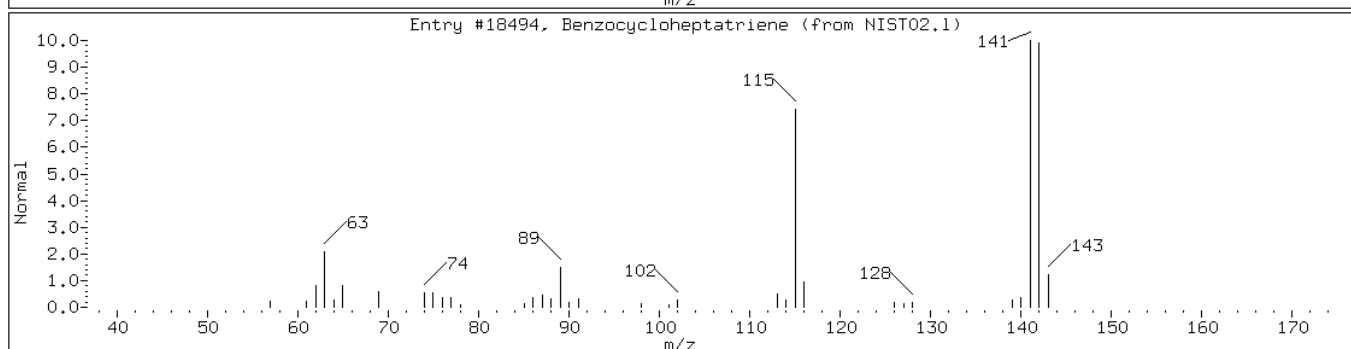
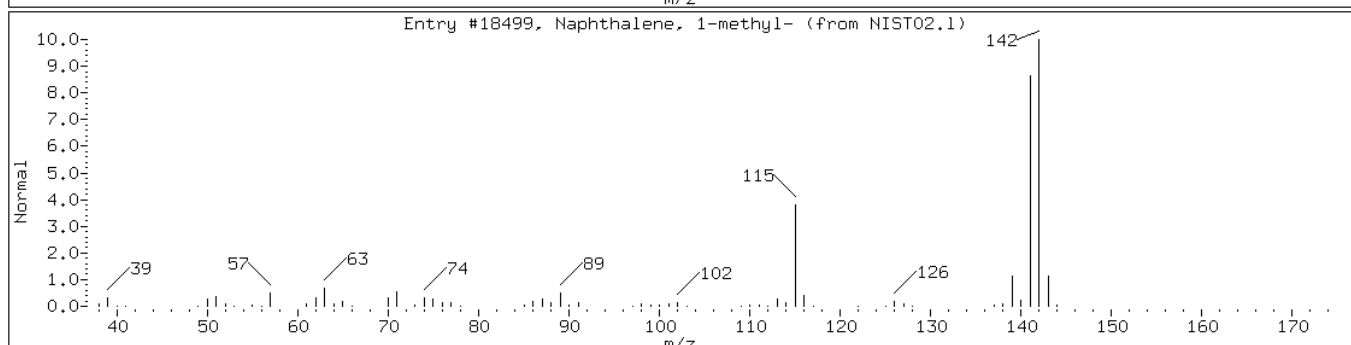
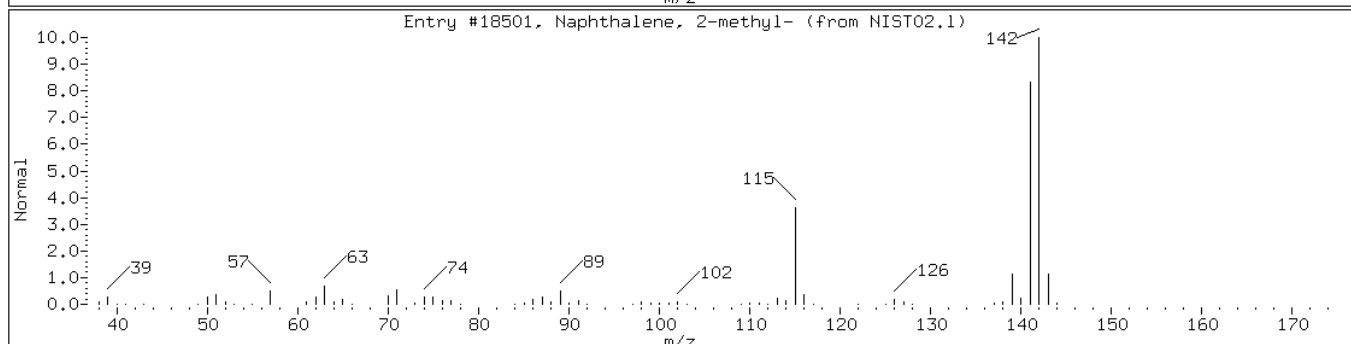
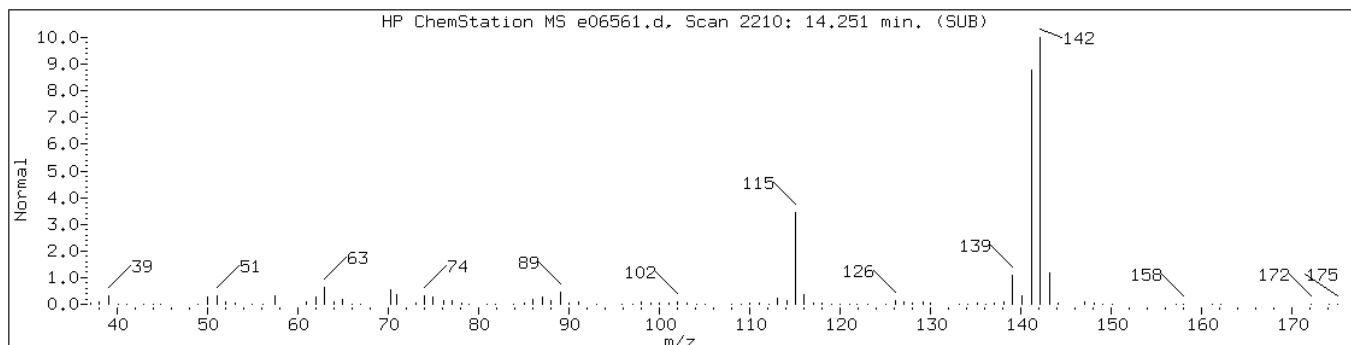
Instrument: VOAMS5.i

Sample Info: 460-43270-B-2

Operator: GC/MS VOAMS5

Retention Time: 14.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2-methyl-	91-57-6	NIST02.1	18501	96	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NIST02.1	18499	96	C11H10	142
Benzocycloheptatriene	264-09-5	NIST02.1	18494	91	C11H10	142



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-3
 Matrix: Water Lab File ID: e06562.d
 Analysis Method: 8260B Date Collected: 08/07/2012 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U	5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	27		1.0	0.10
110-82-7	Cyclohexane	28		1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	46		1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	26		1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	35		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-3
 Matrix: Water Lab File ID: e06562.d
 Analysis Method: 8260B Date Collected: 08/07/2012 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	100		3.0	0.36
100-42-5	Styrene	0.40	J	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	24		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		70-130
460-00-4	4-Bromofluorobenzene	96		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-3
 Matrix: Water Lab File ID: e06562.d
 Analysis Method: 8260B Date Collected: 08/07/2012 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 12:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L
 Number TICs Found: 10 TIC Result Total: 659

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	C5H12 Alkane	1.21	220	J
	C6H14 Alkane	1.74	93	J
	C6H14 Alkane-1	1.86	49	J
	C9H12 Aromatic	9.15	38	J
	C9H12 Aromatic-1	9.92	48	J
	C10H14 Aromatic	11.59	45	J
	C10H12 Aromatic	11.67	50	J
	C10H12 Aromatic-1	12.56	53	J
	C10H14 Aromatic-1	12.61	32	J
91-57-6	Naphthalene, 2-methyl-	14.25	31	J N

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06562.d
 Report Date: 10-Aug-2012 14:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06562.d
 Lab Smp Id: 460-43270-B-3
 Inj Date : 10-AUG-2012 12:52
 Operator : GC/MS VOAMS5
 Smp Info : 460-43270-B-3
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2
 Inst ID: VOAMS5.i
 Compound Sublist: HSLDEL.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
44 Cyclohexane		56	2.784	2.784 (0.774)		127452	28.2596	28
48 Benzene		78	3.260	3.260 (0.469)		607774	45.7562	46
\$ 47 1,2-Dichloroethane-d4 (SUR)		65	3.363	3.363 (0.936)		254687	56.6091	57
* 52 Fluorobenzene		96	3.595	3.595 (1.000)		790406	50.0000	
56 Methyl cyclohexane		83	3.729	3.729 (1.037)		119882	26.2362	26
\$ 65 Toluene-d8 (SUR)		98	5.107	5.107 (0.734)		756992	48.2117	48
66 Toluene		91	5.162	5.162 (0.742)		571409	34.7705	35
* 78 Chlorobenzene-d5		117	6.954	6.954 (1.000)		672760	50.0000	
81 Ethylbenzene		106	7.064	7.064 (1.016)		162624	26.5563	26
82 m+p-Xylene		106	7.277	7.277 (1.046)		567614	72.2036	72
84 o-Xylene		106	7.862	7.862 (1.131)		219295	28.3838	28
85 Styrene		104	7.948	7.942 (1.143)		5402	0.40113	0.40(a)
88 Isopropylbenzene		105	8.350	8.350 (1.201)		502617	23.9651	24
\$ 89 Bromofluorobenzene (SUR)		174	8.710	8.710 (0.832)		354437	47.8085	48
* 108 1,4-Dichlorobenzene-d4		152	10.466	10.466 (1.000)		423318	50.0000	
M 121 Xylene (Total)		100				786909	100.587	100

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06562.d
Report Date: 10-Aug-2012 14:53

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: e06562.d

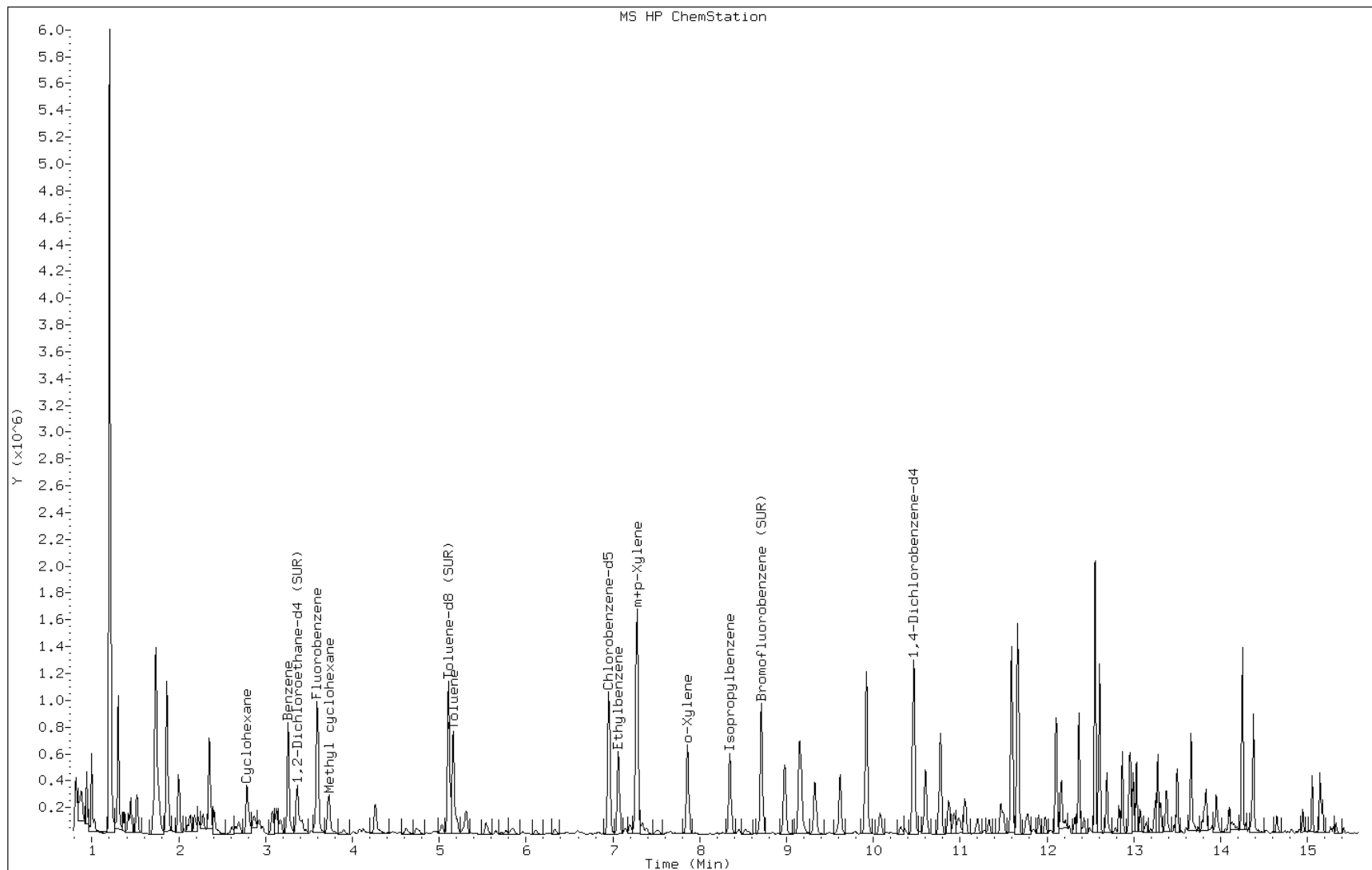
Date: 10-AUG-2012 12:52

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5



Data File: e06562.d

Date: 10-AUG-2012 12:52

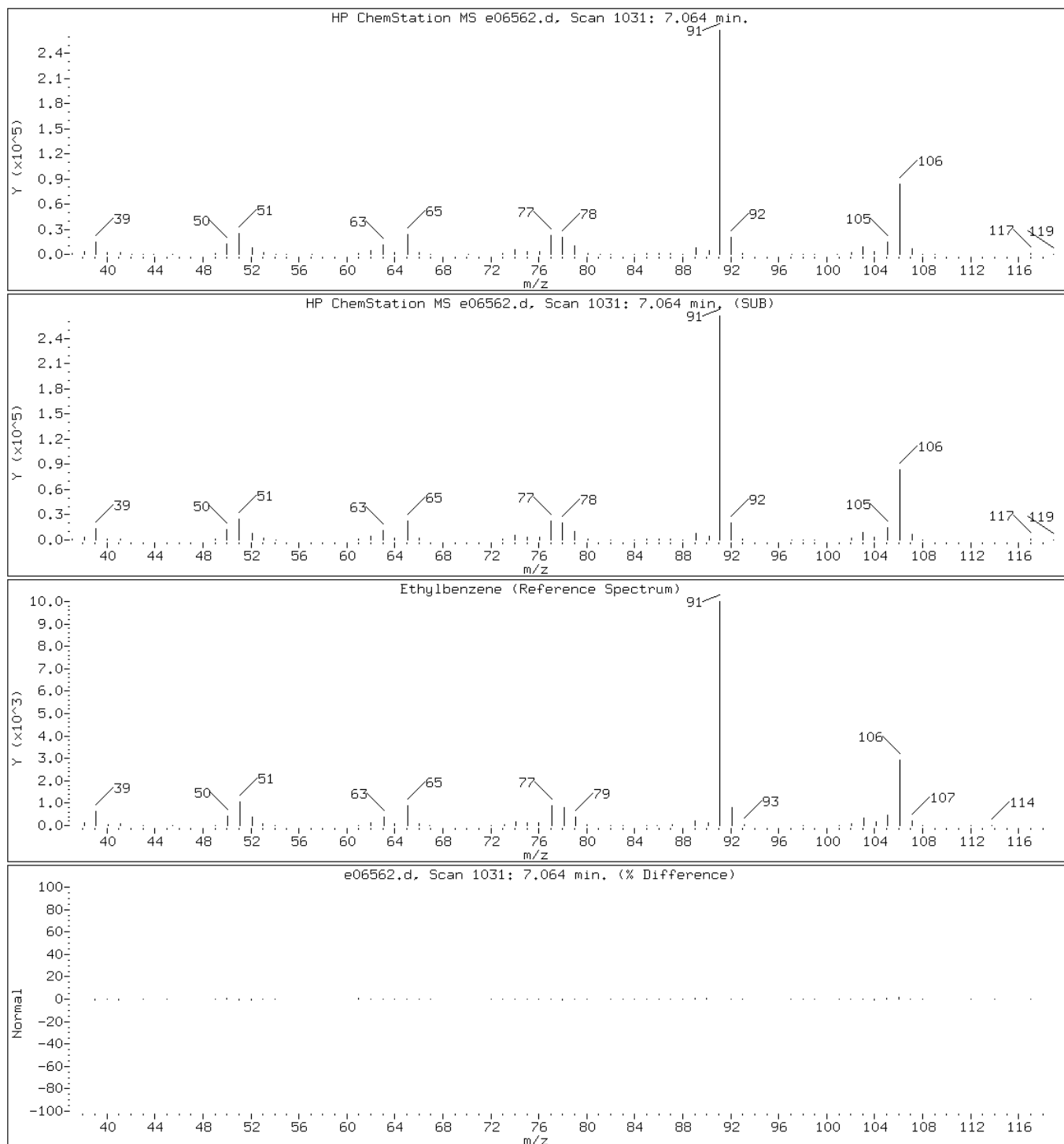
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e06562.d

Date: 10-AUG-2012 12:52

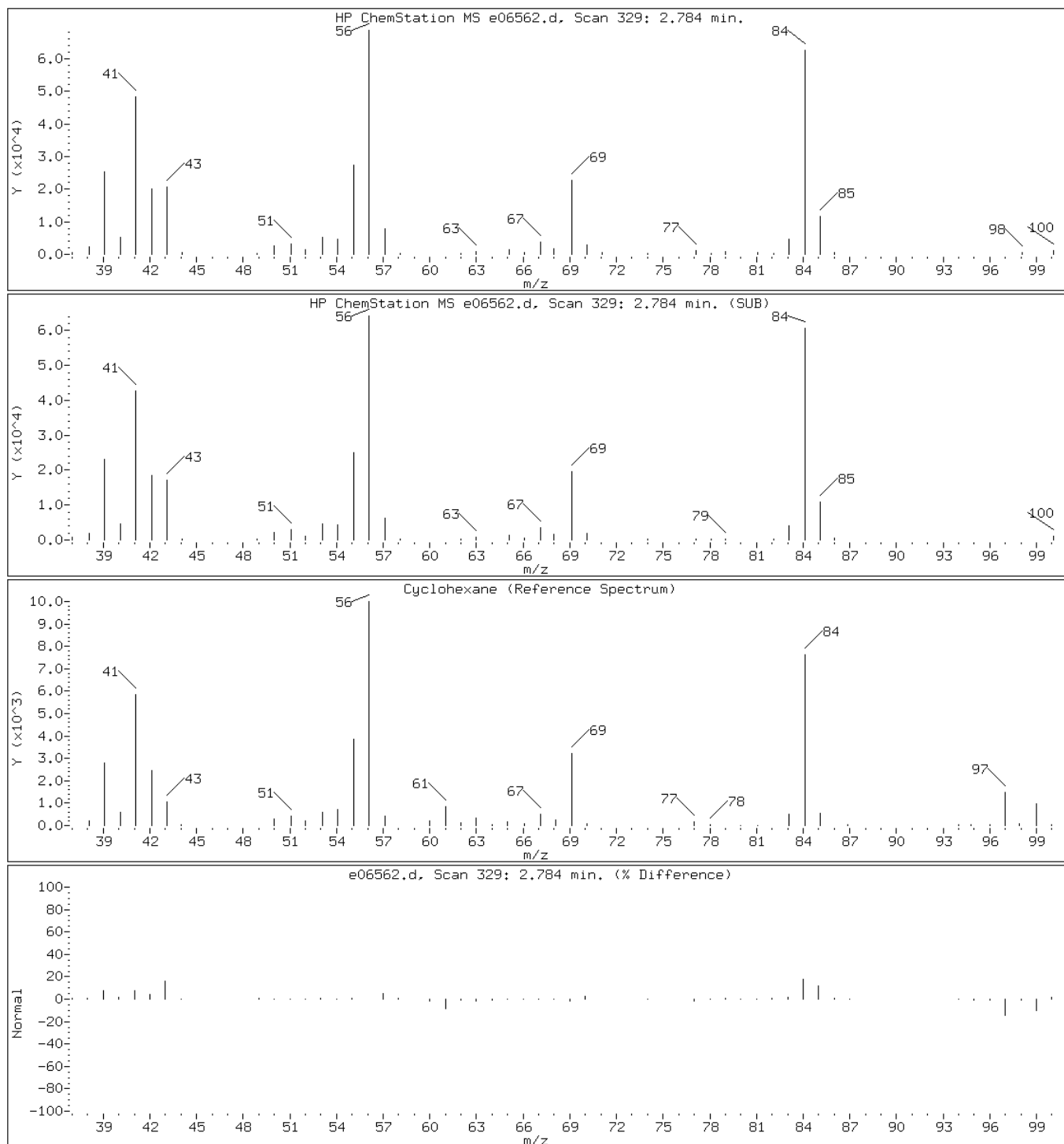
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e06562.d

Date: 10-AUG-2012 12:52

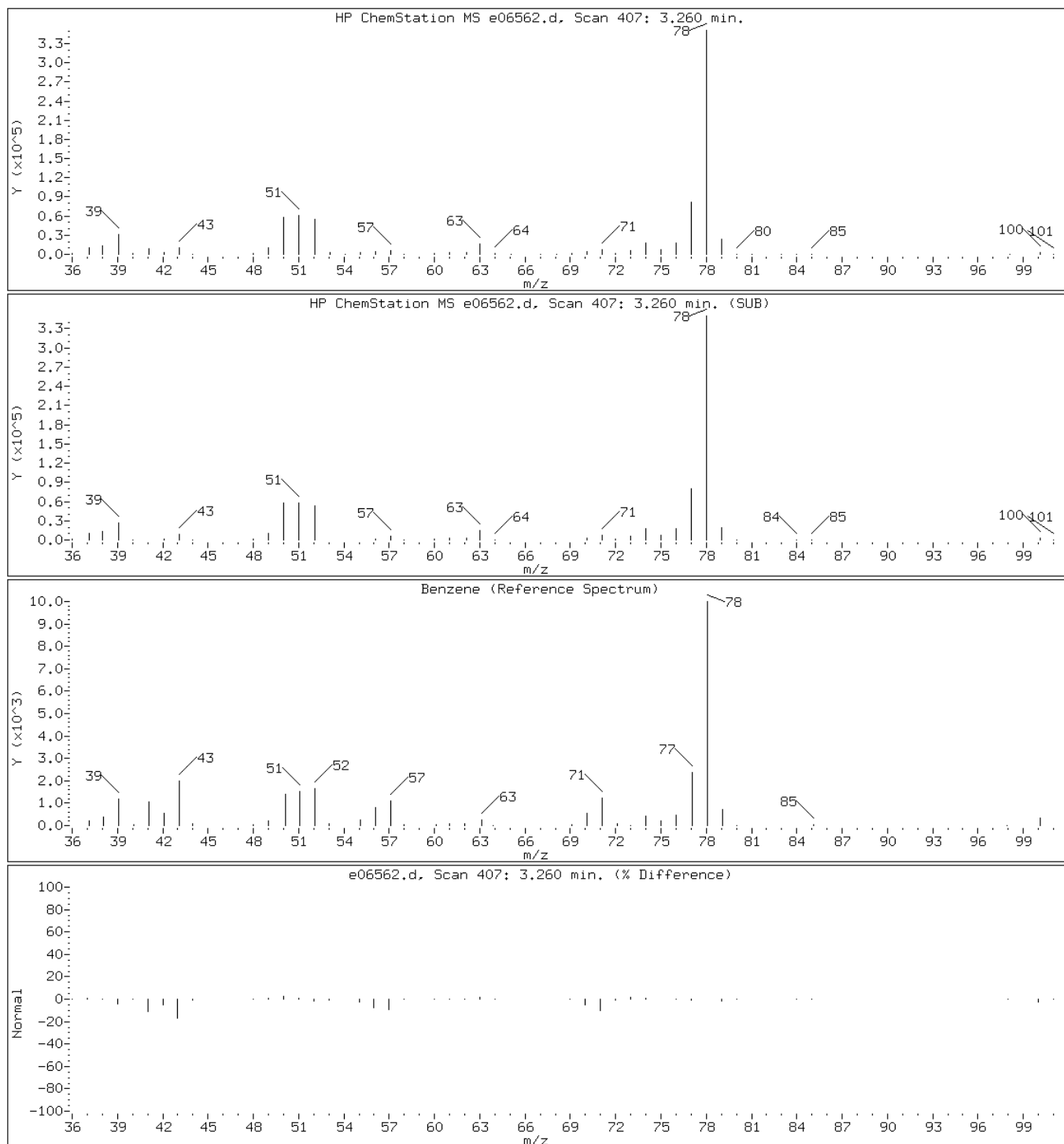
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

48 Benzene



Data File: e06562.d

Date: 10-AUG-2012 12:52

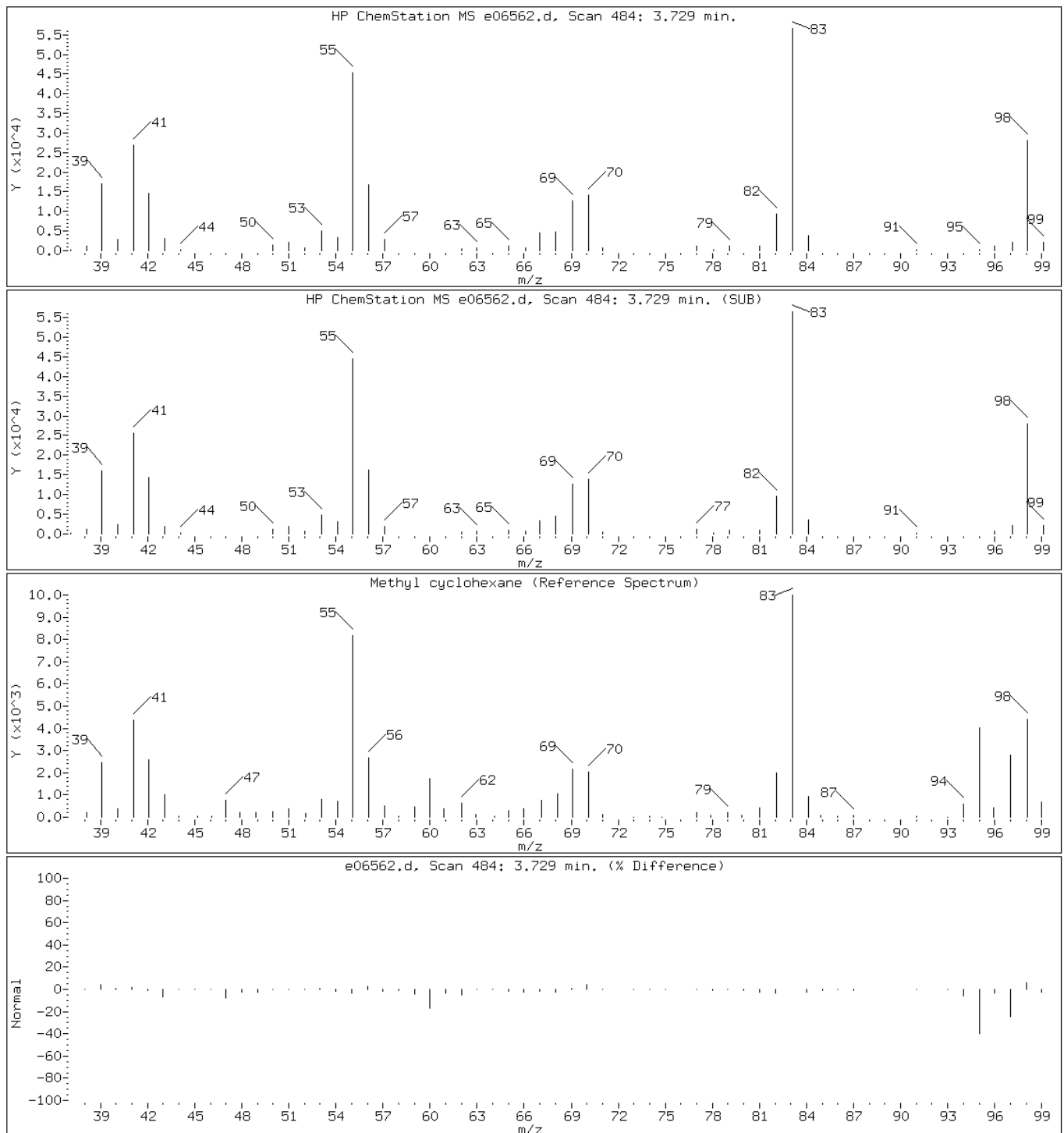
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e06562.d

Date: 10-AUG-2012 12:52

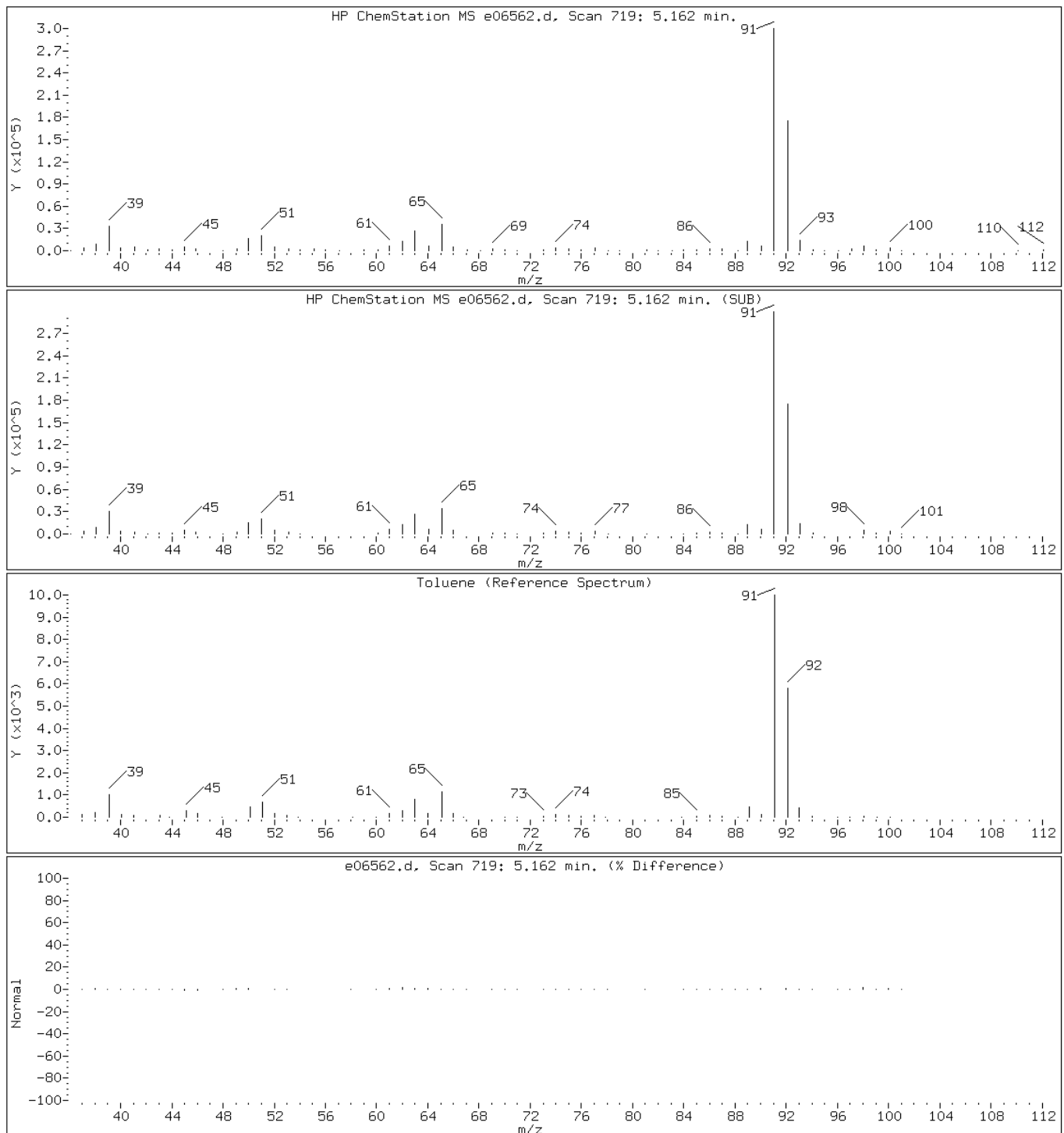
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

66 Toluene



Data File: e06562.d

Date: 10-AUG-2012 12:52

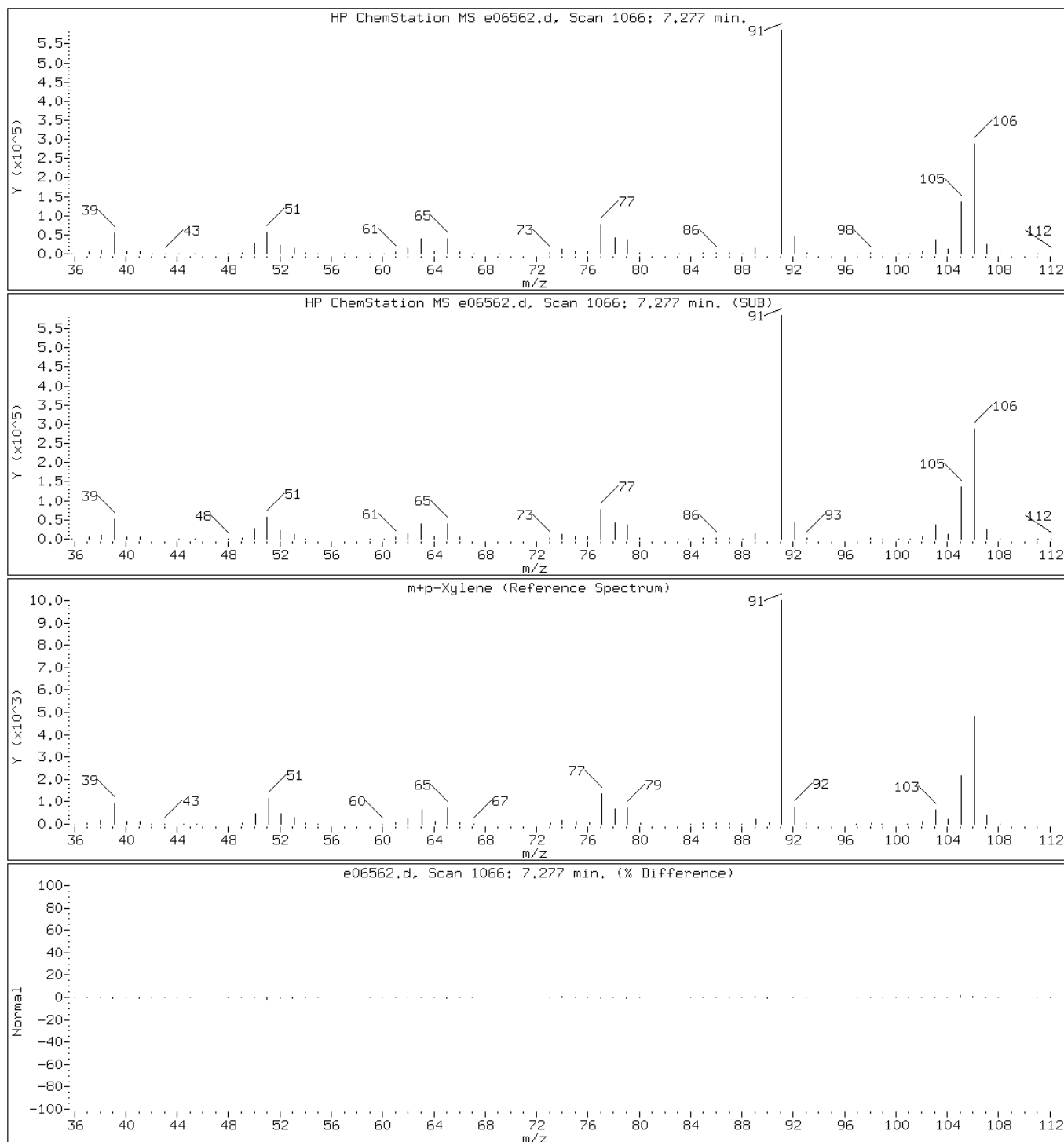
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e06562.d

Date: 10-AUG-2012 12:52

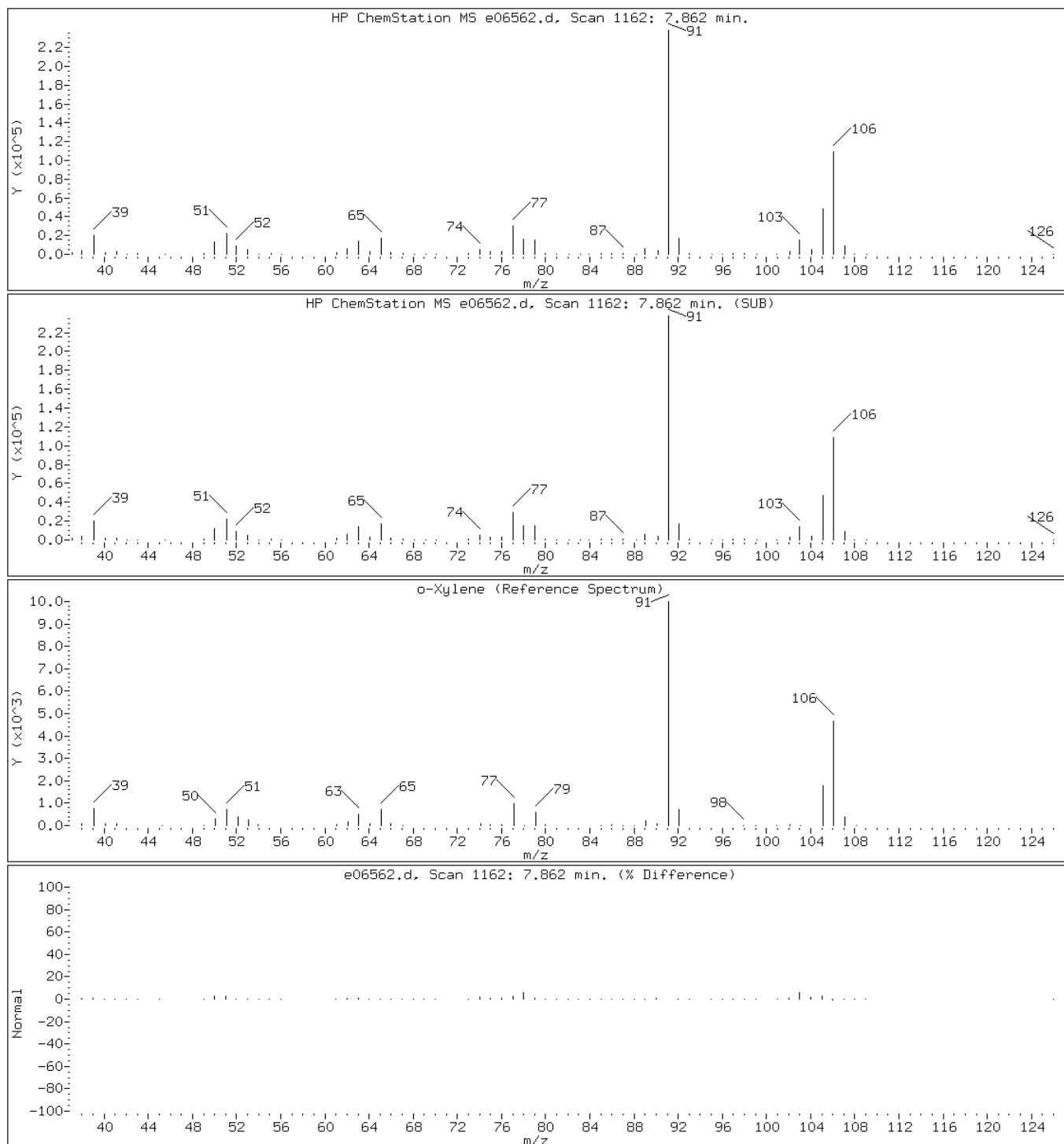
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

84 o-Xylene



Data File: e06562.d

Date: 10-AUG-2012 12:52

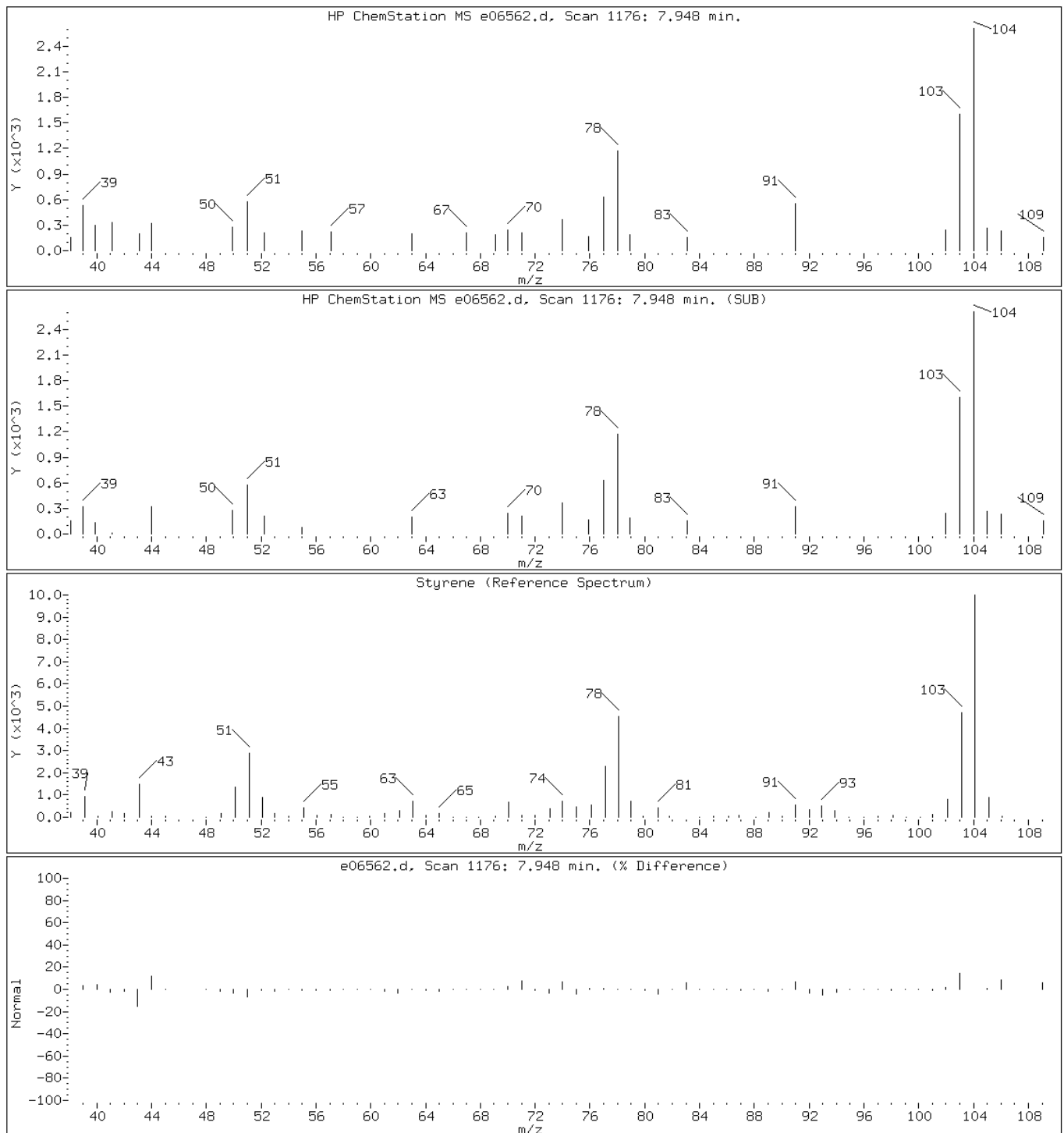
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

85 Styrene



Data File: e06562.d

Date: 10-AUG-2012 12:52

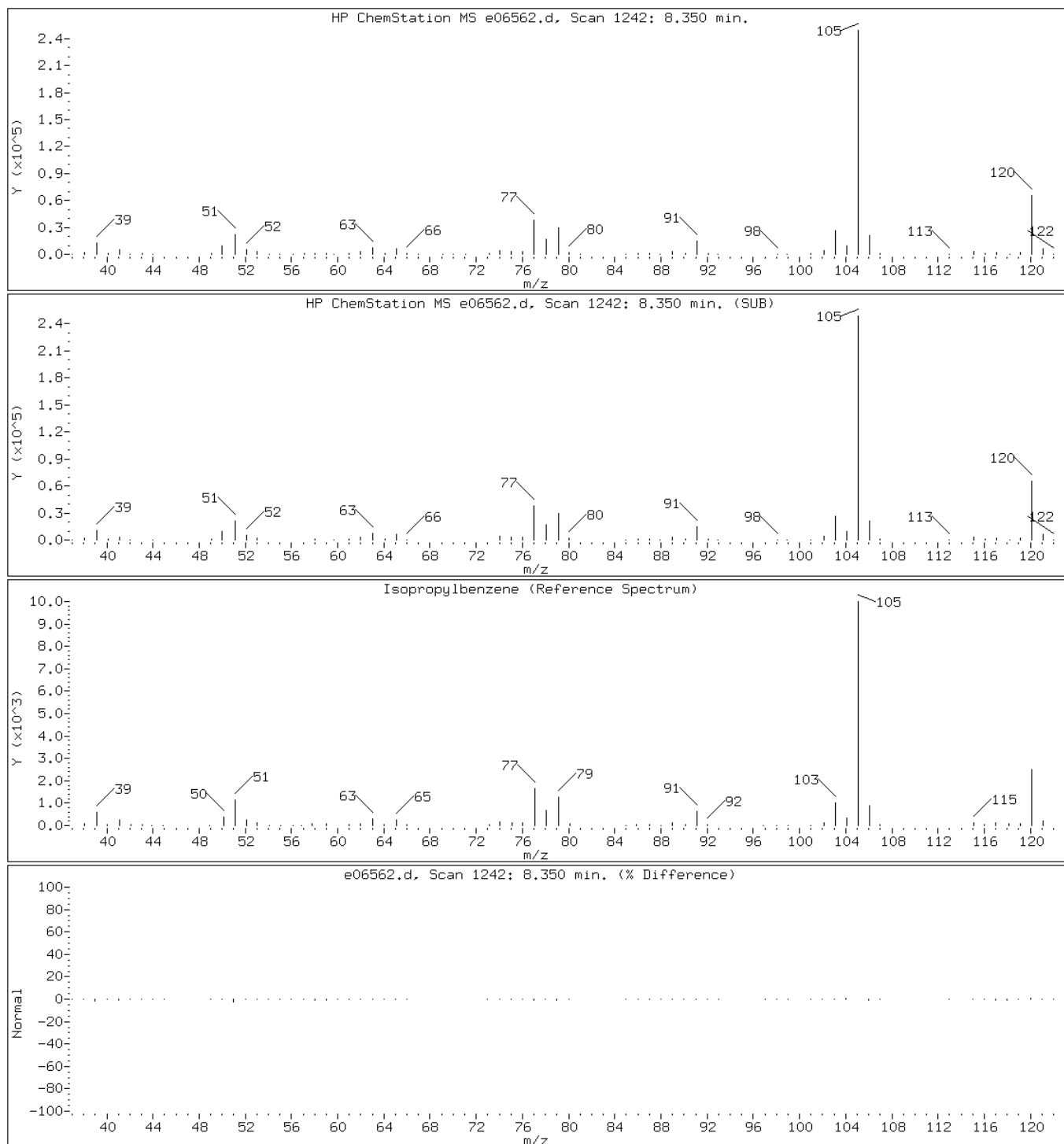
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

88 Isopropylbenzene



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

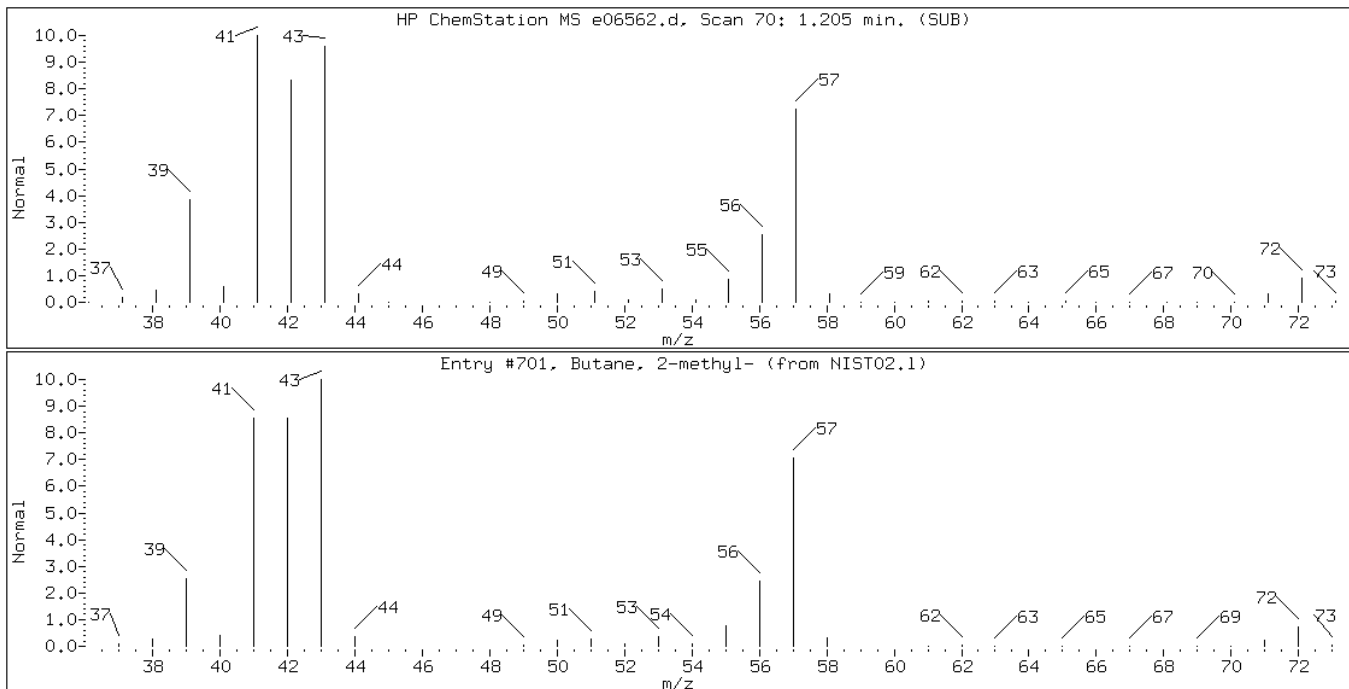
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 1.21

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	81	C5H12	72



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

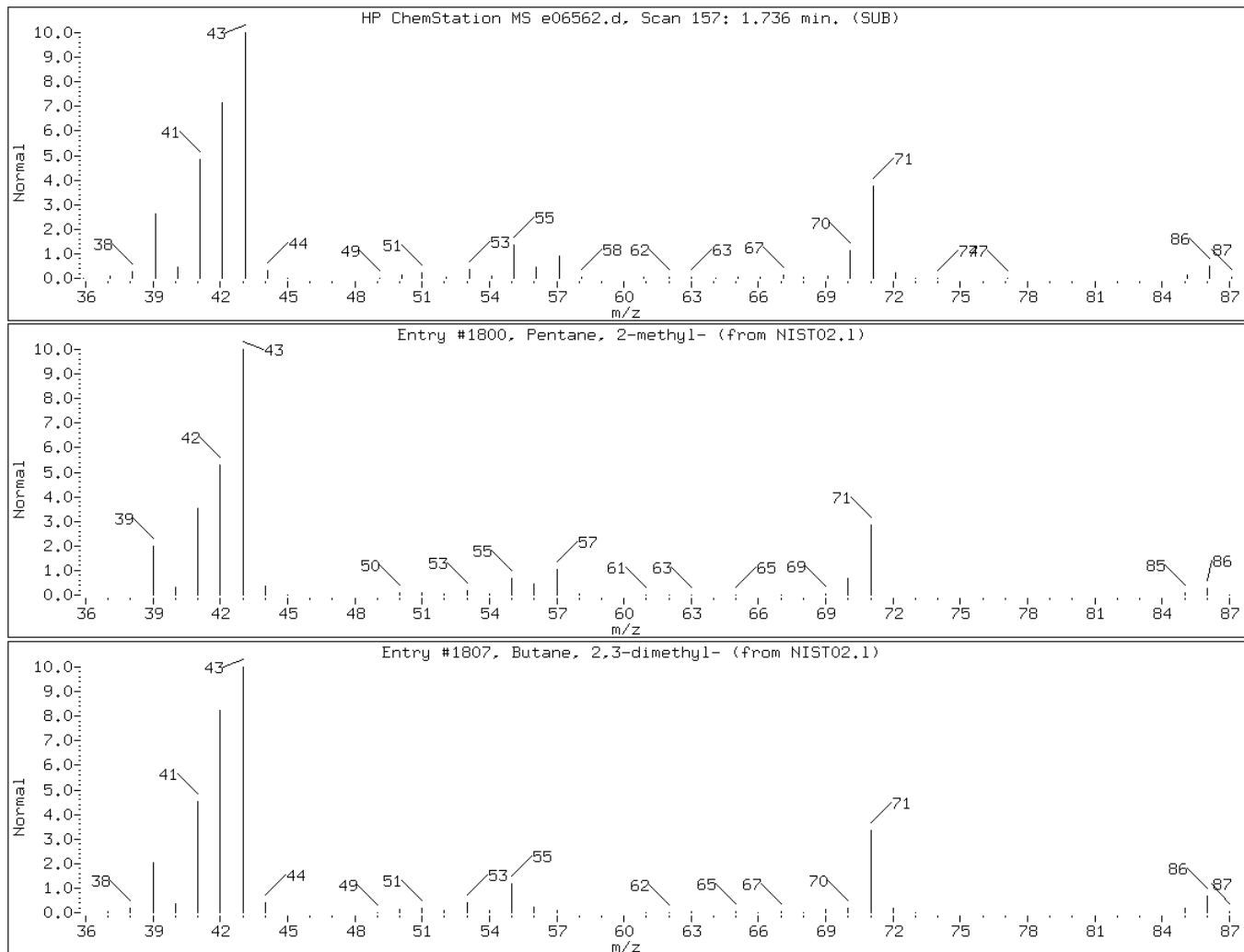
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 1.74

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H14 Alkane						
Pentane, 2-methyl-	107-83-5	NIST02.1	1800	86	C6H14	86
Butane, 2,3-dimethyl-	79-29-8	NIST02.1	1807	83	C6H14	86



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

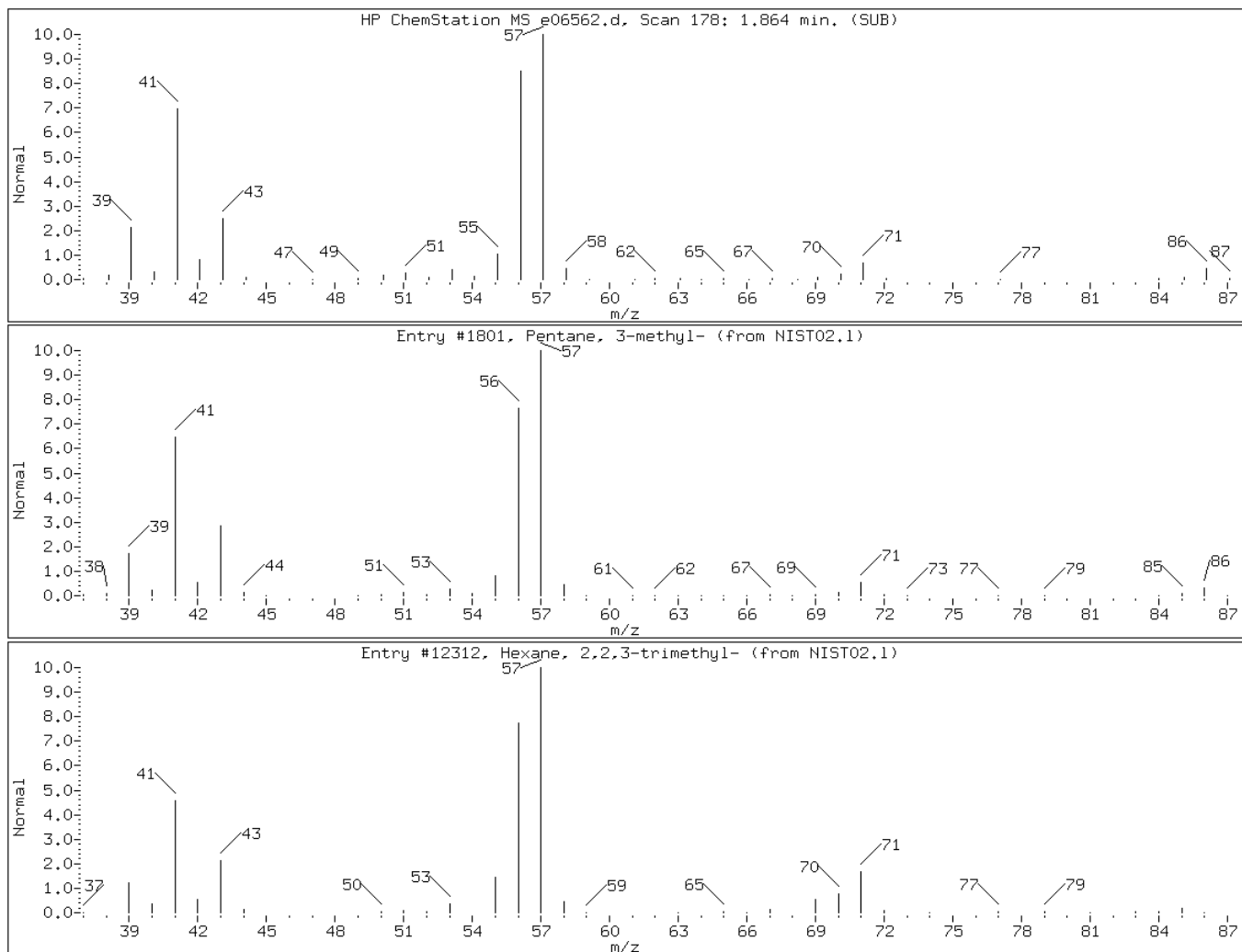
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 1.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H14 Alkane-1						
Pentane, 3-methyl-	96-14-0	NIST02.1	1801	91	C6H14	86
Hexane, 2,2,3-trimethyl-	16747-25-4	NIST02.1	12312	78	C9H20	128



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

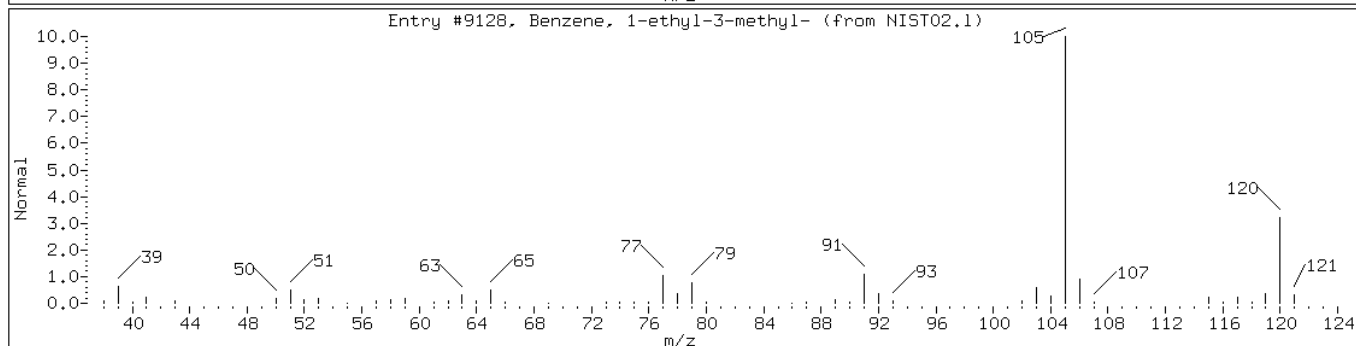
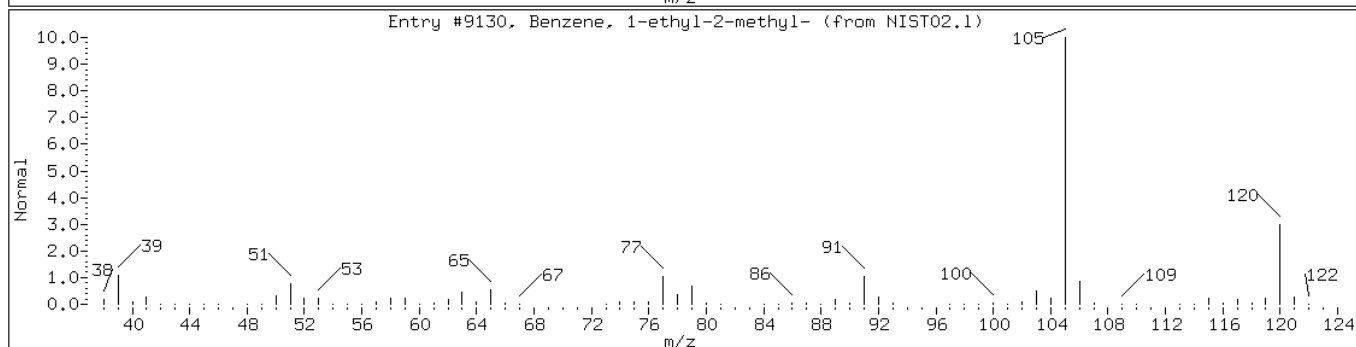
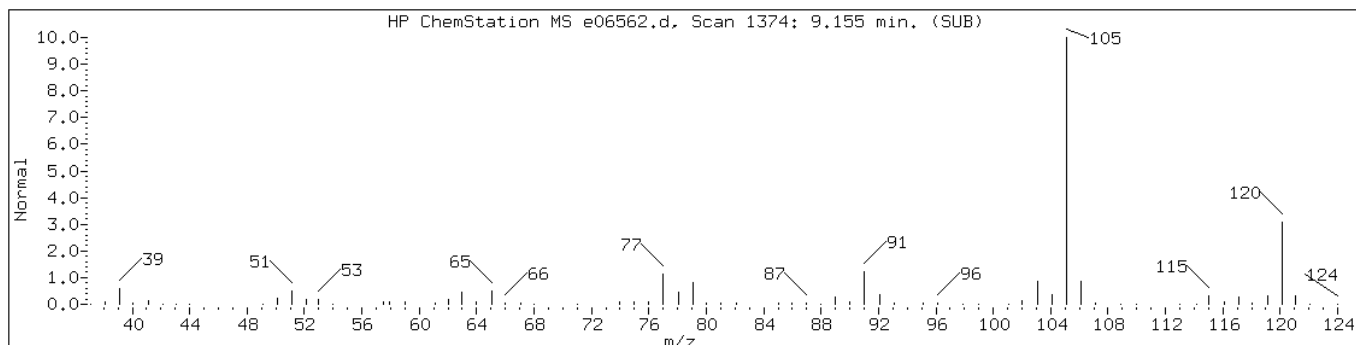
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 9.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9130	95	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.1	9128	95	C9H12	120



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

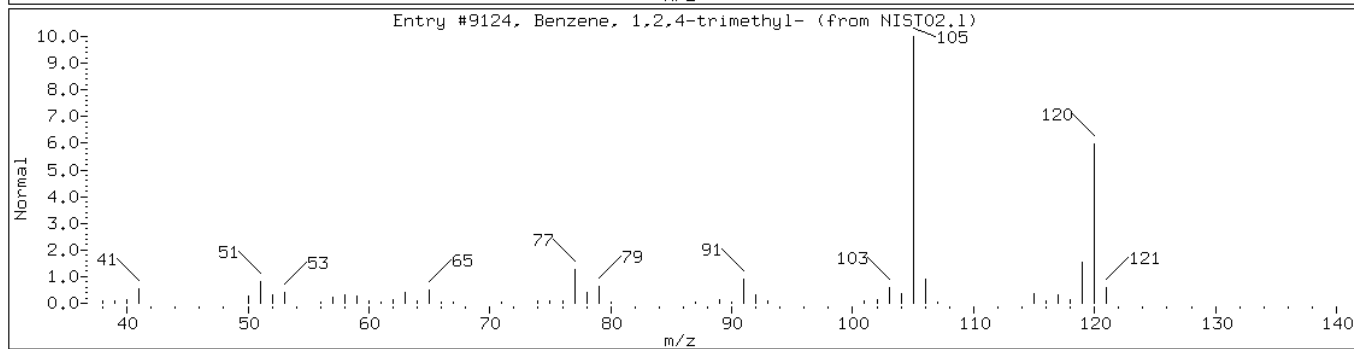
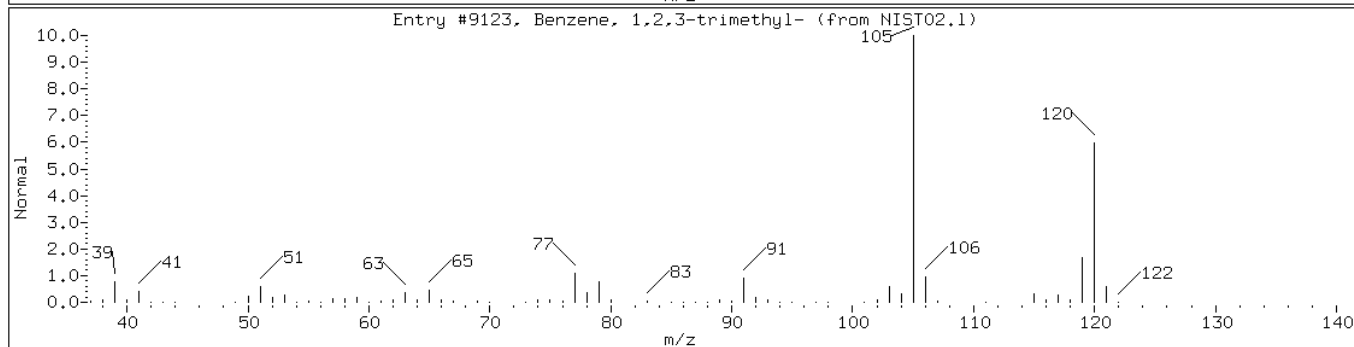
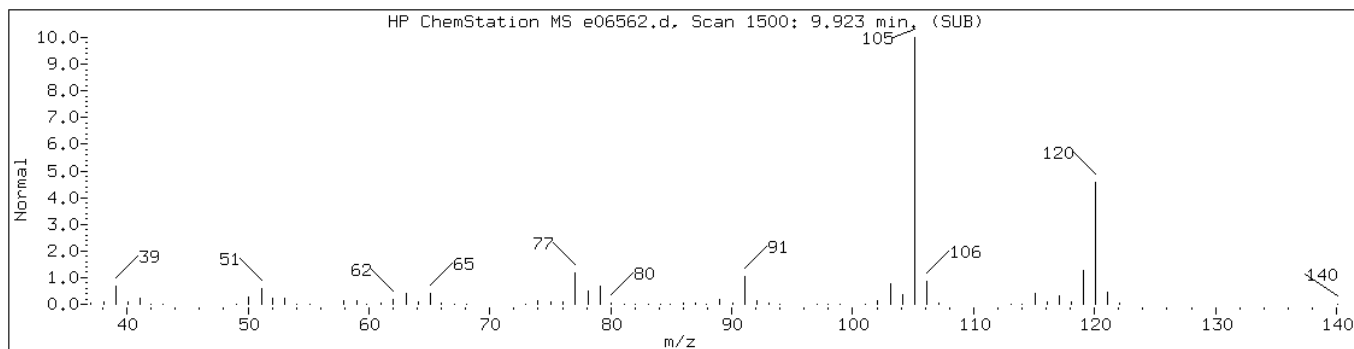
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 9.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic-1						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	97	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.1	9124	95	C9H12	120



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

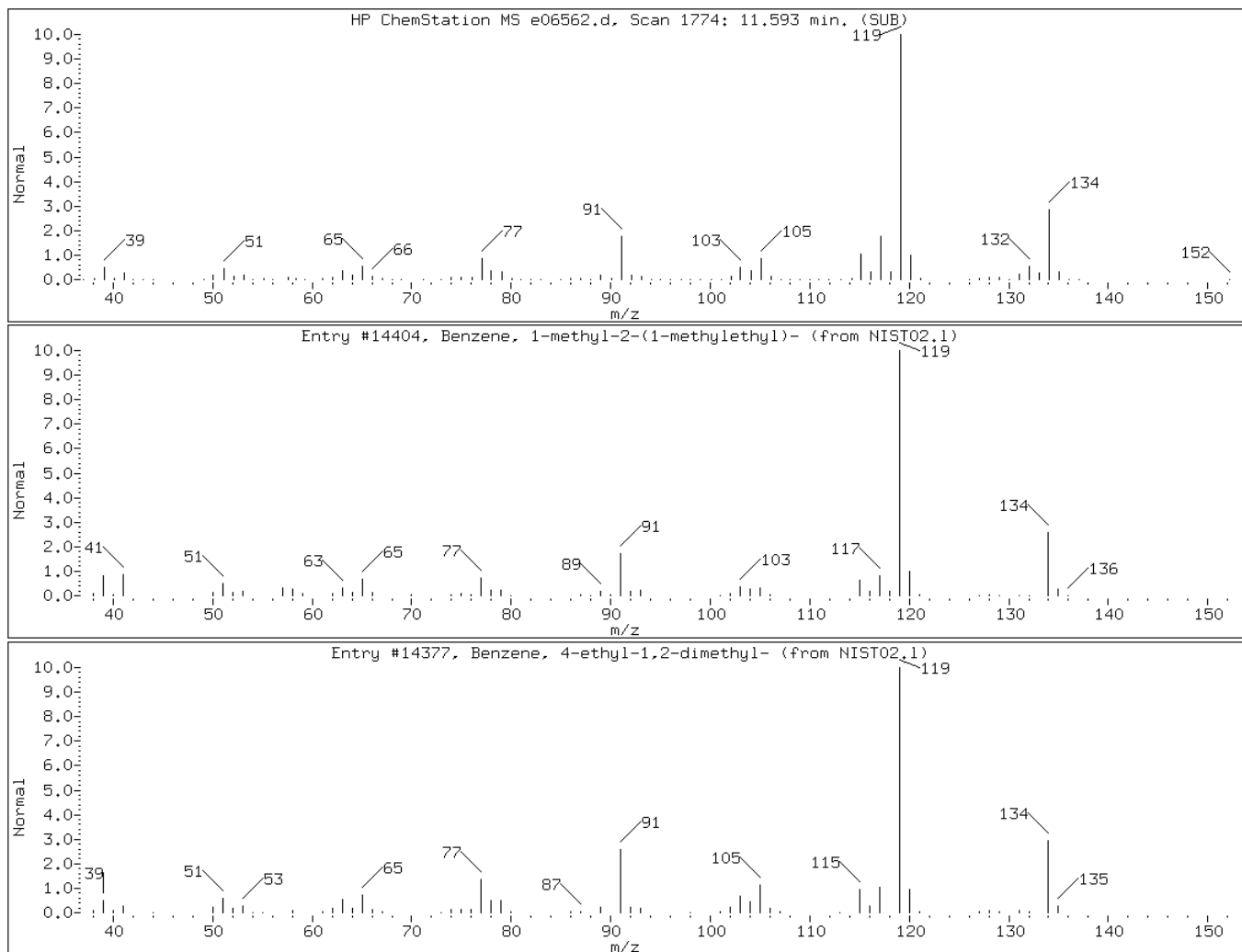
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 11.59

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H14 Aromatic						
Benzene, 1-methyl-2-(1-methylethyl)	527-84-4	NIST02.1	14404	94	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST02.1	14377	94	C10H14	134



Data File: e06562.d

Date: 10-AUG-2012 12:52

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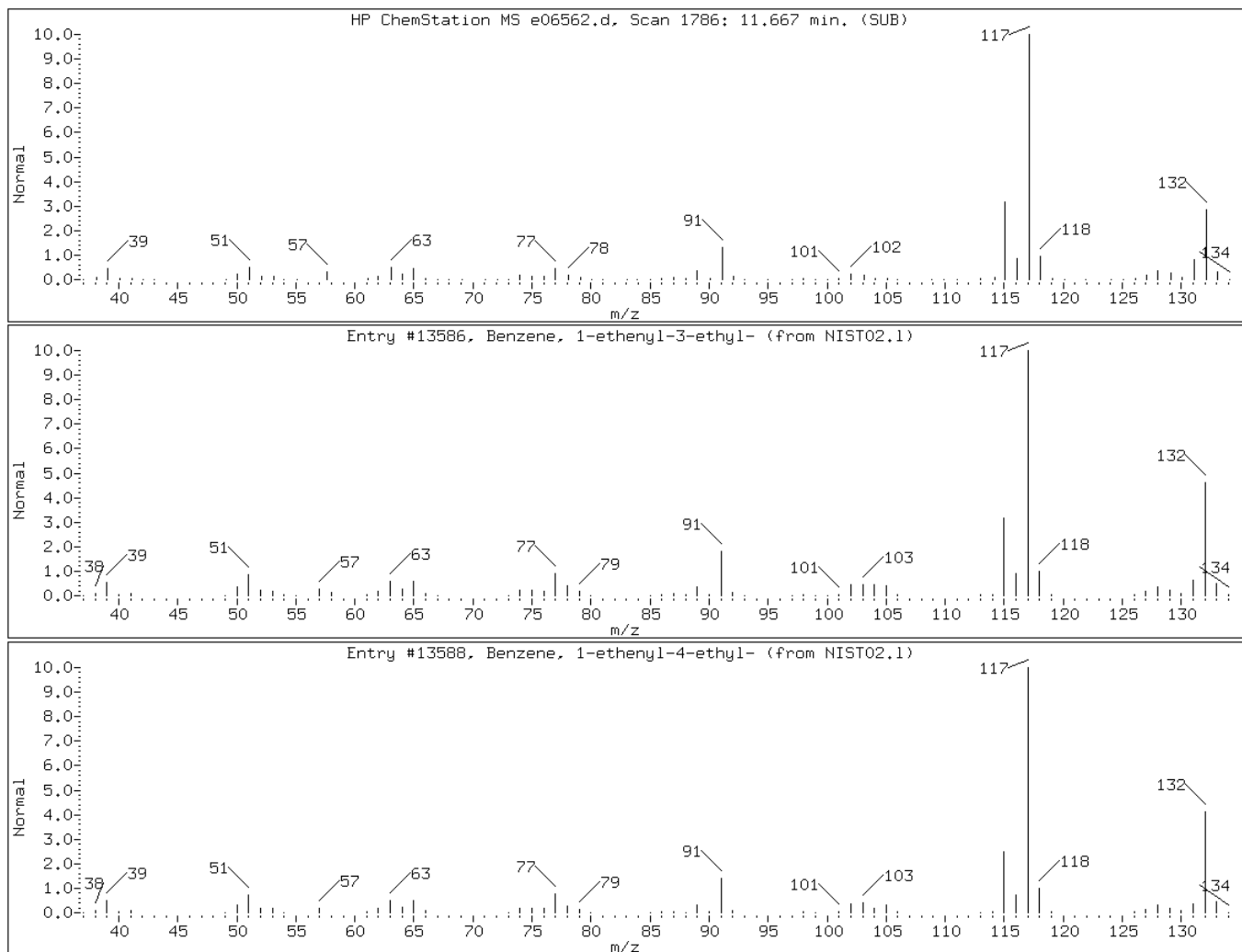
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 11.67

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic						
Benzene, 1-ethenyl-3-ethyl-	7525-62-4	NIST02.1	13586	91	C10H12	132
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NIST02.1	13588	91	C10H12	132



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

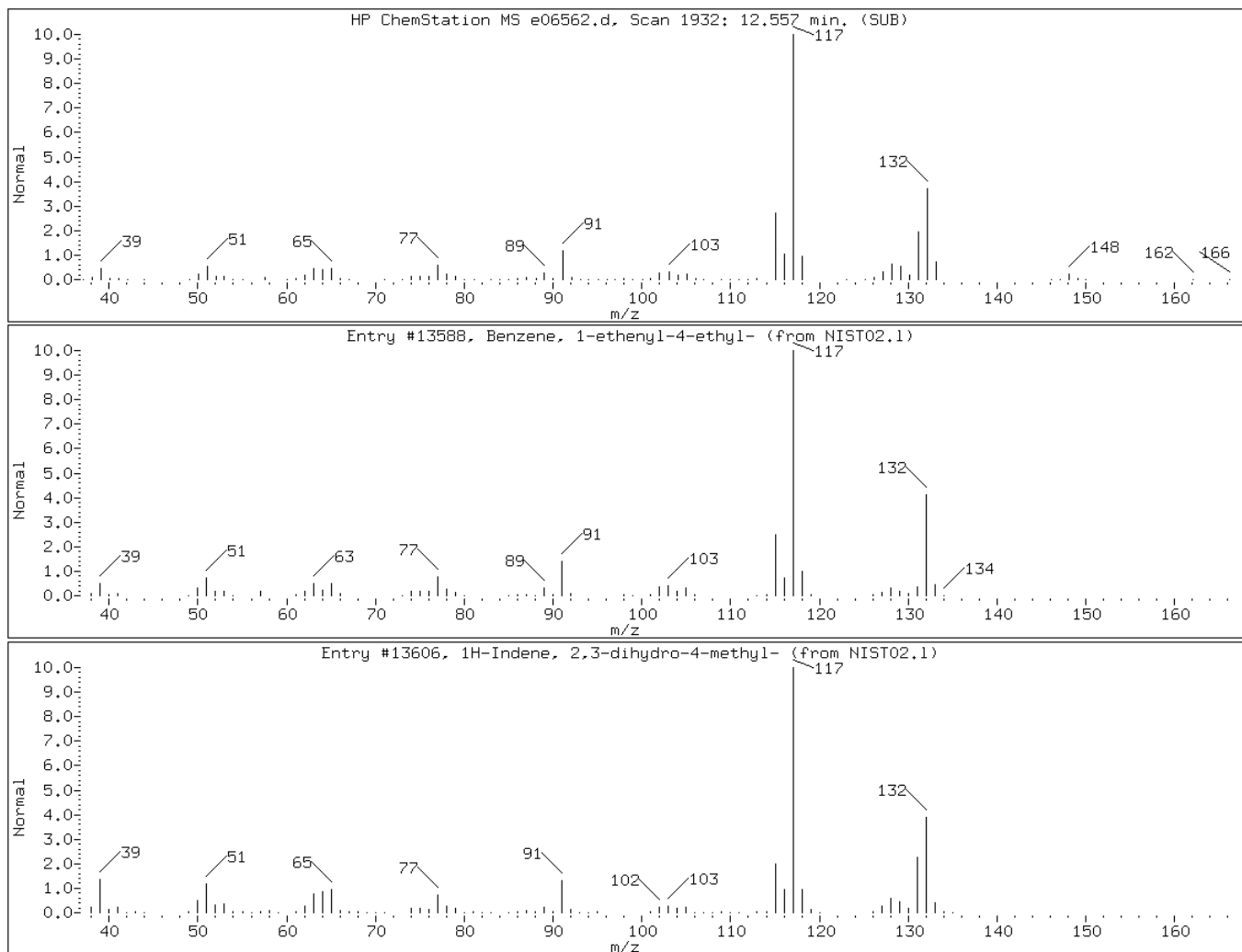
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 12.56

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic-1						
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NIST02.1	13588	93	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	NIST02.1	13606	91	C10H12	132



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

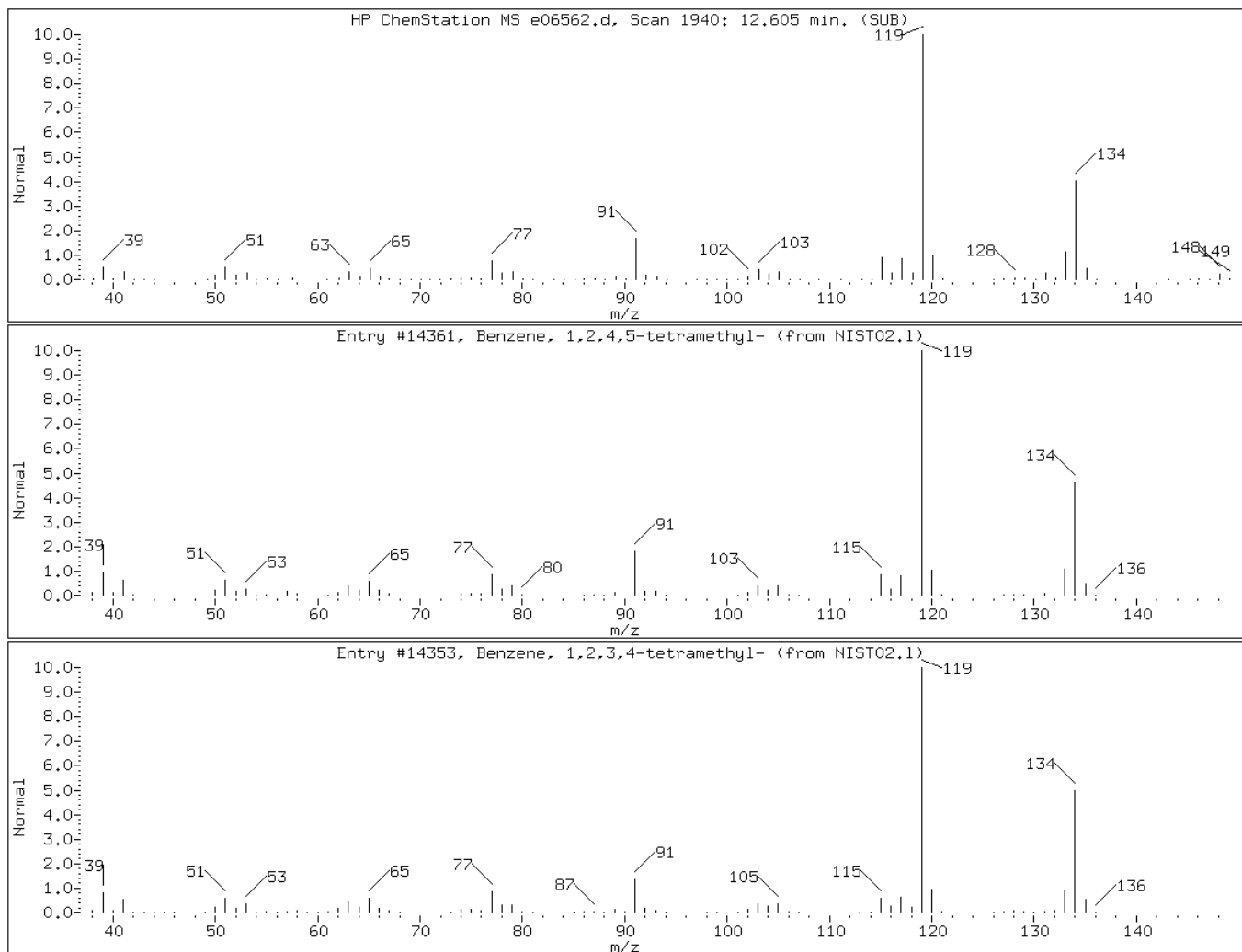
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 12.61

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H14 Aromatic-1						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST02.1	14361	96	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST02.1	14353	95	C10H14	134



Data File: e06562.d

Date: 10-AUG-2012 12:52

Client ID:

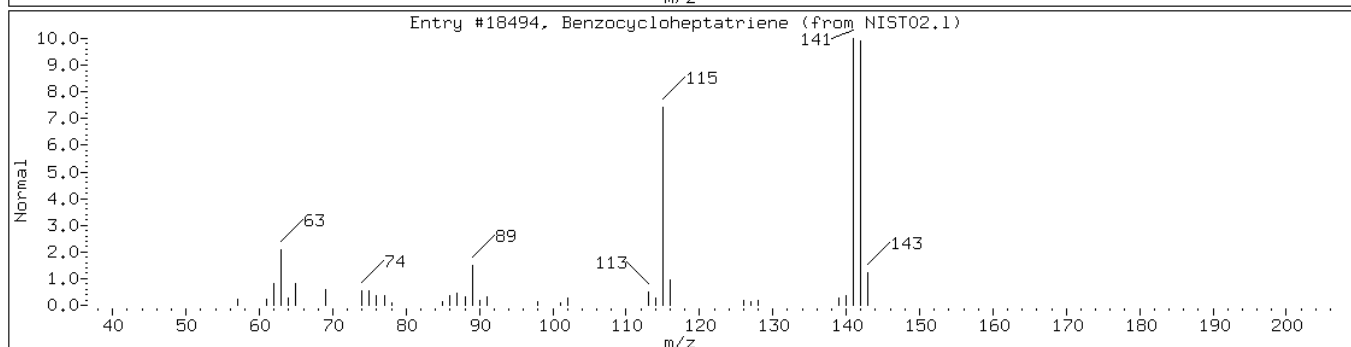
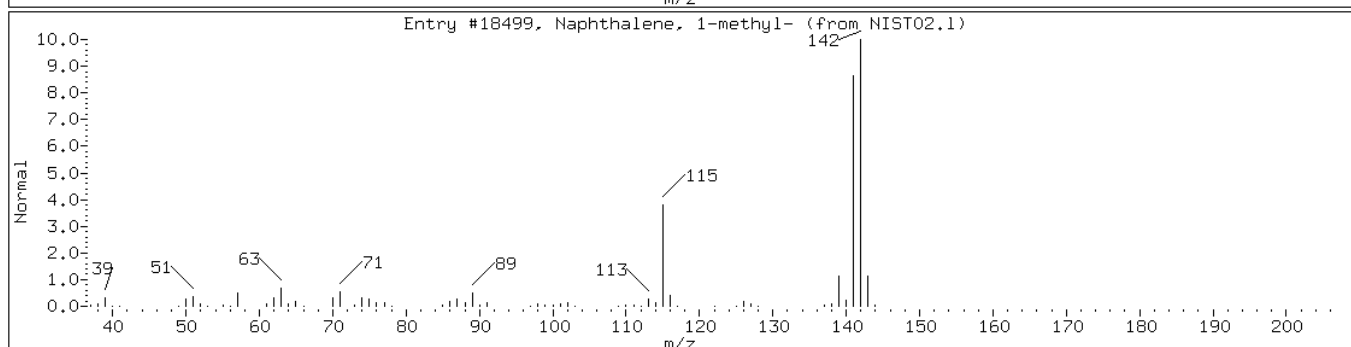
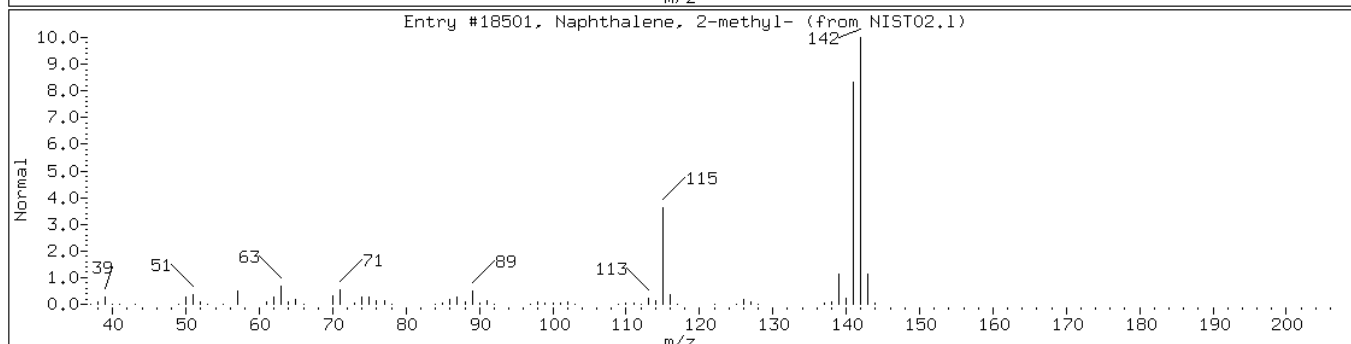
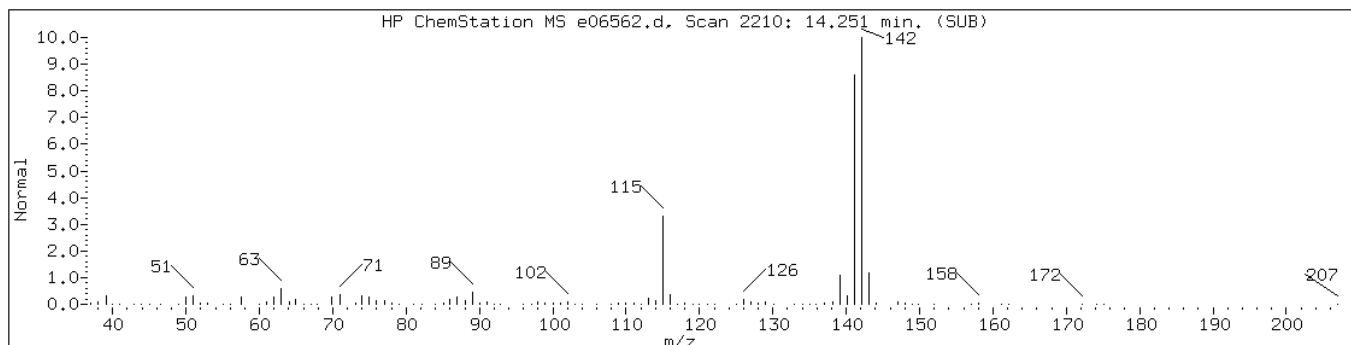
Instrument: VOAMS5.i

Sample Info: 460-43270-B-3

Operator: GC/MS VOAMS5

Retention Time: 14.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2-methyl-	91-57-6	NIST02.1	18501	96	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NIST02.1	18499	96	C11H10	142
Benzocycloheptatriene	264-09-5	NIST02.1	18494	91	C11H10	142



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-4

Matrix: Water Lab File ID: e06563.d

Analysis Method: 8260B Date Collected: 08/07/2012 12:45

Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 13:15

Soil Aliquot Vol: _____ Dilution Factor: 2

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.12	U	2.0	0.12
75-71-8	Dichlorodifluoromethane	0.44	U	2.0	0.44
74-87-3	Chloromethane	0.20	U	2.0	0.20
75-01-4	Vinyl chloride	0.28	U	2.0	0.28
74-83-9	Bromomethane	0.36	U	2.0	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	0.80	U	2.0	0.80
95-50-1	1,2-Dichlorobenzene	0.42	U	2.0	0.42
75-69-4	Trichlorofluoromethane	0.30	U	2.0	0.30
75-35-4	1,1-Dichloroethene	0.18	U	2.0	0.18
78-87-5	1,2-Dichloropropane	0.18	U	2.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.16	U	2.0	0.16
67-64-1	Acetone	5.4	U	10	5.4
75-15-0	Carbon disulfide	0.26	U	2.0	0.26
79-20-9	Methyl acetate	0.68	U	4.0	0.68
75-09-2	Methylene Chloride	0.36	U	2.0	0.36
156-60-5	trans-1,2-Dichloroethene	0.26	U	2.0	0.26
124-48-1	Chlorodibromomethane	0.40	U	2.0	0.40
1634-04-4	Methyl tert-butyl ether	0.28	U	2.0	0.28
75-00-3	Chloroethane	0.34	U	2.0	0.34
75-34-3	1,1-Dichloroethane	0.26	U	2.0	0.26
156-59-2	cis-1,2-Dichloroethene	0.36	U	2.0	0.36
78-93-3	2-Butanone (MEK)	14		10	4.6
67-66-3	Chloroform	0.16	U	2.0	0.16
100-41-4	Ethylbenzene	90		2.0	0.20
110-82-7	Cyclohexane	28		2.0	0.32
56-23-5	Carbon tetrachloride	0.12	U	2.0	0.12
71-43-2	Benzene	81		2.0	0.16
107-06-2	1,2-Dichloroethane	0.38	U	2.0	0.38
79-01-6	Trichloroethene	0.18	U	2.0	0.18
108-87-2	Methylcyclohexane	14		2.0	0.28
75-27-4	Dichlorobromomethane	0.24	U	2.0	0.24
10061-01-5	cis-1,3-Dichloropropene	0.36	U	2.0	0.36
108-10-1	4-Methyl-2-pentanone (MIBK)	2.0	U	10	2.0
108-88-3	Toluene	440		2.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.48	U	2.0	0.48

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-4
 Matrix: Water Lab File ID: e06563.d
 Analysis Method: 8260B Date Collected: 08/07/2012 12:45
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 13:15
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.38	U	2.0	0.38
127-18-4	Tetrachloroethene	0.20	U	2.0	0.20
591-78-6	2-Hexanone	1.0	U	10	1.0
106-93-4	1,2-Dibromoethane	0.56	U	2.0	0.56
108-90-7	Chlorobenzene	0.22	U	2.0	0.22
1330-20-7	Xylenes, Total	390		6.0	0.72
100-42-5	Styrene	2.3		2.0	0.24
75-25-2	Bromoform	0.38	U	2.0	0.38
98-82-8	Isopropylbenzene	8.4		2.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.32	U	2.0	0.32
541-73-1	1,3-Dichlorobenzene	0.28	U	2.0	0.28
106-46-7	1,4-Dichlorobenzene	0.46	U	2.0	0.46
120-82-1	1,2,4-Trichlorobenzene	0.68	U	2.0	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-130
460-00-4	4-Bromofluorobenzene	95		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-4
Matrix: Water Lab File ID: e06563.d
Analysis Method: 8260B Date Collected: 08/07/2012 12:45
Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 13:15
Soil Aliquot Vol: _____ Dilution Factor: 2
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123484 Units: ug/L
Number TICs Found: 10 TIC Result Total: 479

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	C5H12 Alkane	1.20	70	J
	C5H10 Alkene	1.74	67	J
	C9H12 Aromatic	9.15	49	J
	C9H12 Aromatic-1	9.92	66	J
	C9H12 Aromatic-2	10.60	29	J
	C9H10 Aromatic	10.77	34	J
91-20-3	Naphthalene	13.28	33	J N
91-57-6	Naphthalene, 2-methyl-	14.25	51	J N
90-12-0	Naphthalene, 1-methyl-	14.38	38	J N
	Dimethylnaphthalene isomer	15.15	42	J

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06563.d
 Report Date: 10-Aug-2012 14:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06563.d
 Lab Smp Id: 460-43270-B-4
 Inj Date : 10-AUG-2012 13:15
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-43270-B-4;2
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 13
 Dil Factor: 2.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: $\text{Amt} * \text{DF} * 5/\text{Vo} * \text{CpndVariable}$

Name	Value	Description
DF	2.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
38 2-Butanone	72	3.071	3.071	(0.854)	3784	6.75804	14	
44 Cyclohexane	56	2.784	2.784	(0.774)	62471	14.0743	28	
48 Benzene	78	3.260	3.260	(0.469)	541946	40.3780	81	
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	239560	54.1033	54	
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	777894	50.0000		
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	31043	6.90304	14	
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	759157	47.8490	48	
66 Toluene	91	5.168	5.162	(0.743)	3659311	220.365	440	
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	679798	50.0000		
81 Ethylbenzene	106	7.064	7.064	(1.016)	277346	44.8214	90	
82 m+p-Xylene	106	7.277	7.277	(1.046)	1038057	130.679	260	
84 o-Xylene	106	7.863	7.862	(1.131)	503238	64.4609	130	
85 Styrene	104	7.942	7.942	(1.142)	15930	1.17064	2.3	
88 Isopropylbenzene	105	8.350	8.350	(1.201)	88929	4.19630	8.4	
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	357837	47.4565	47	
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	430549	50.0000		

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06563.d
 Report Date: 10-Aug-2012 14:58

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
M 121 Xylene (Total)	100				1541295	195.140	390

Data File: e06563.d

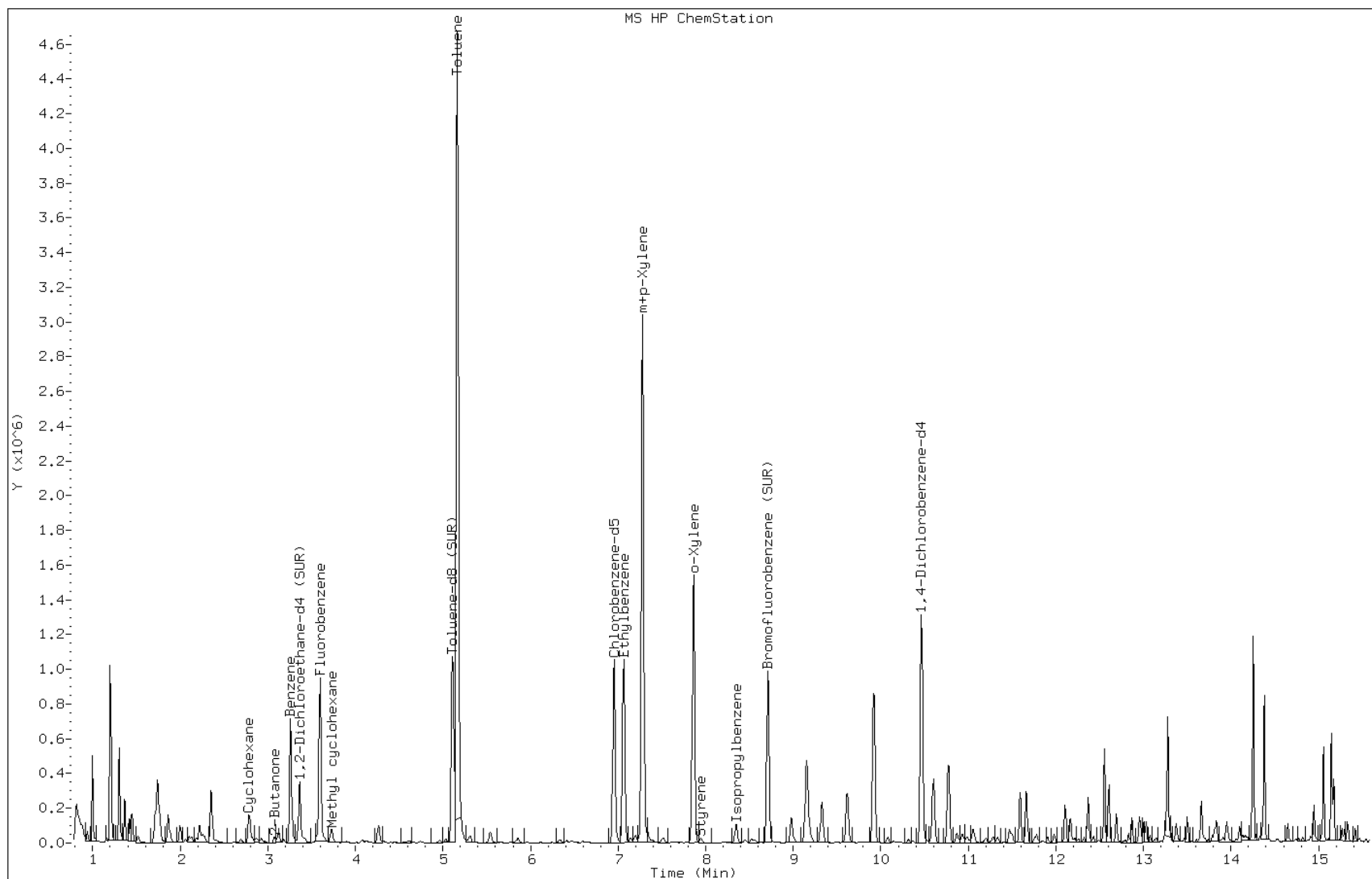
Date: 10-AUG-2012 13:15

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5



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Date: 10-AUG-2012 13:15

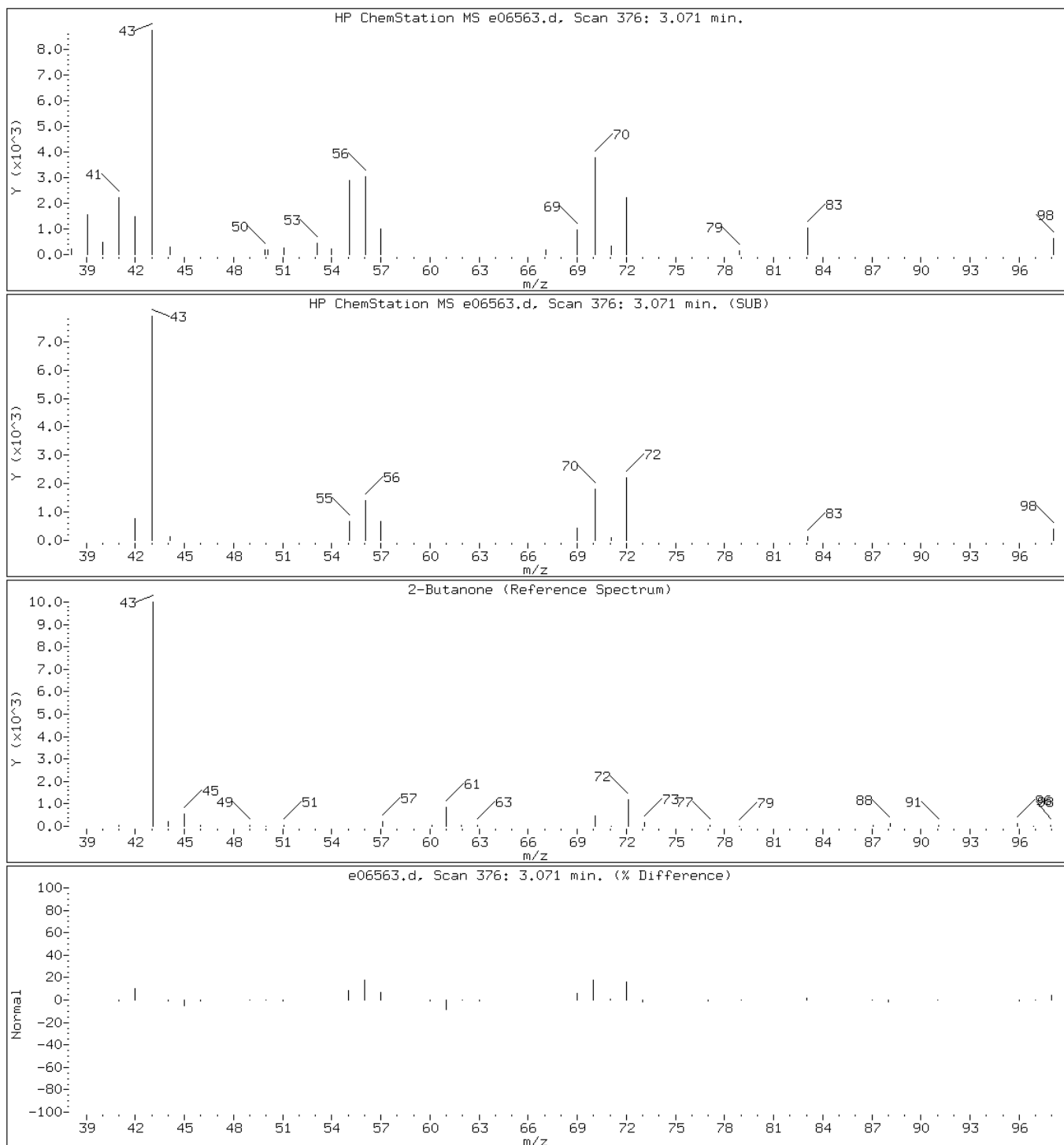
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

38 2-Butanone



Data File: e06563.d

Date: 10-AUG-2012 13:15

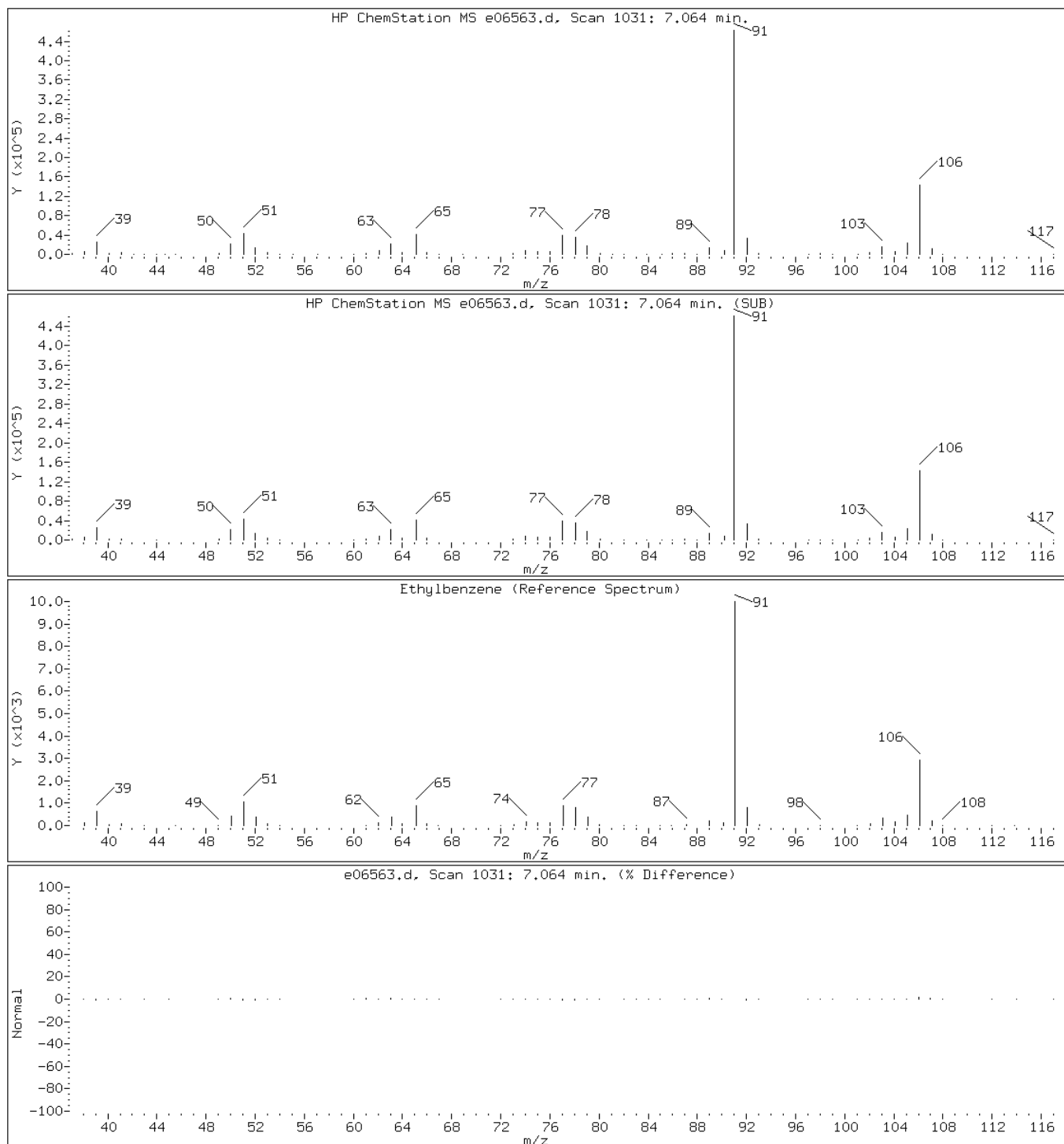
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e06563.d

Date: 10-AUG-2012 13:15

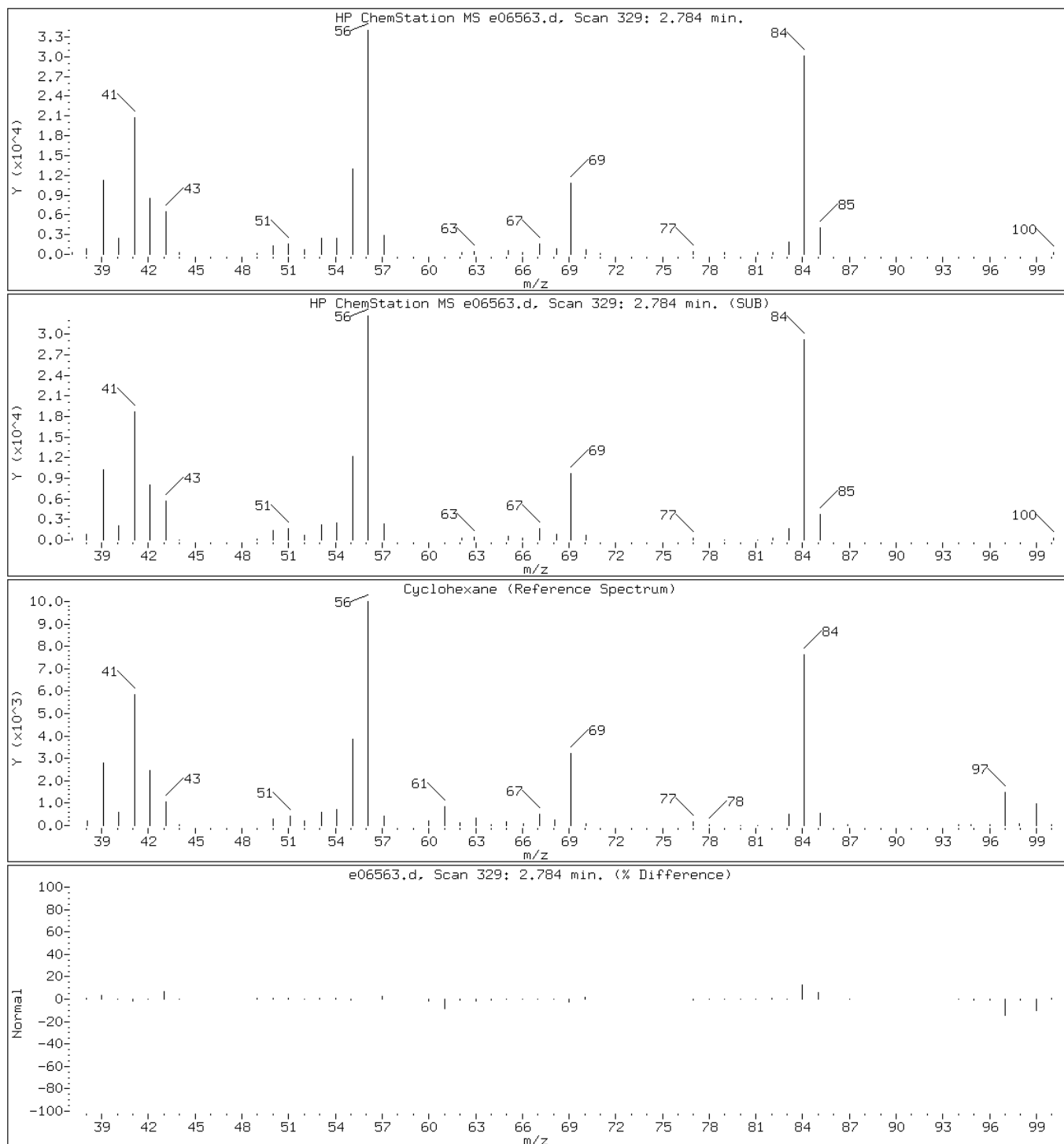
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e06563.d

Date: 10-AUG-2012 13:15

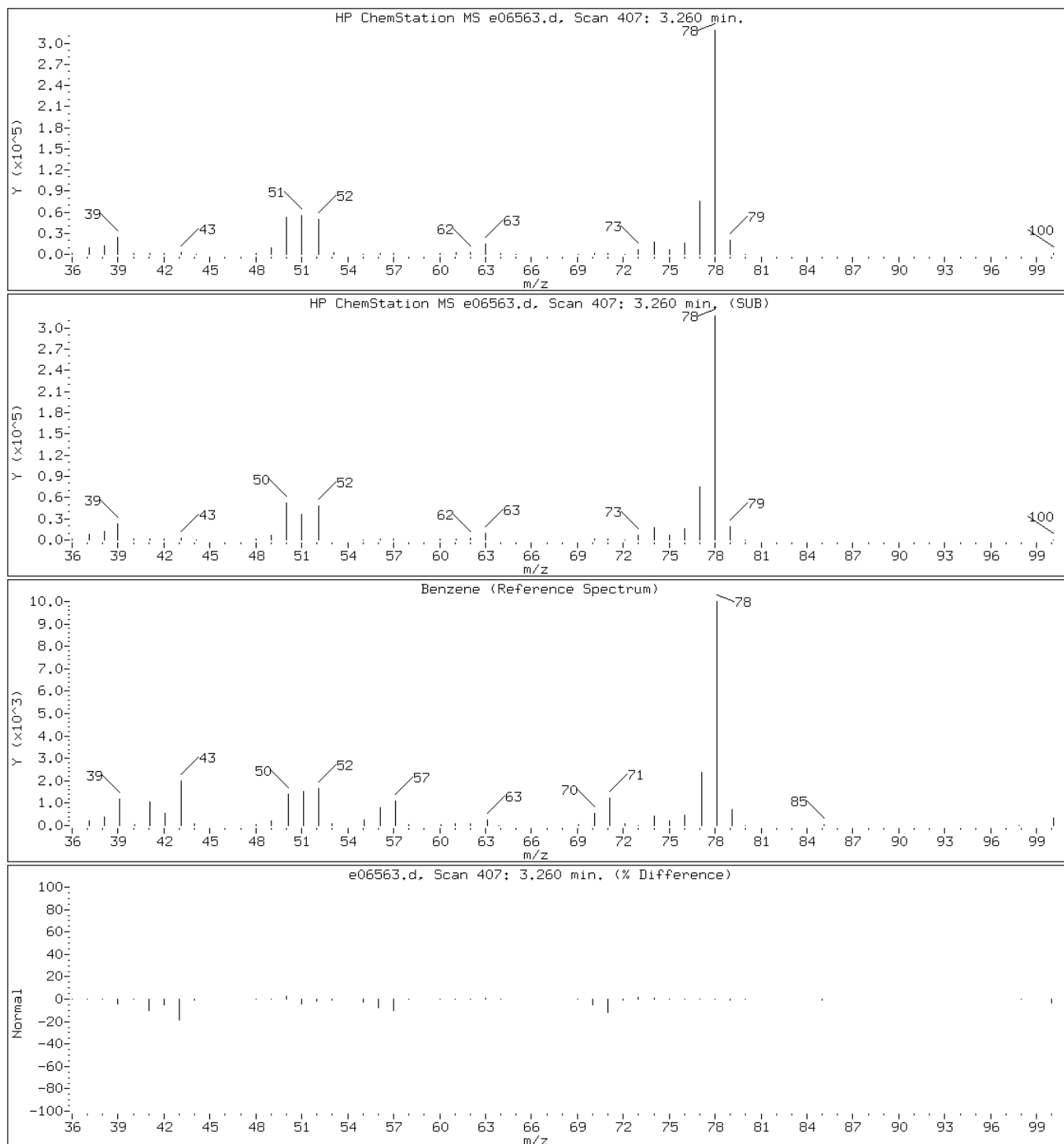
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

48 Benzene



Data File: e06563.d

Date: 10-AUG-2012 13:15

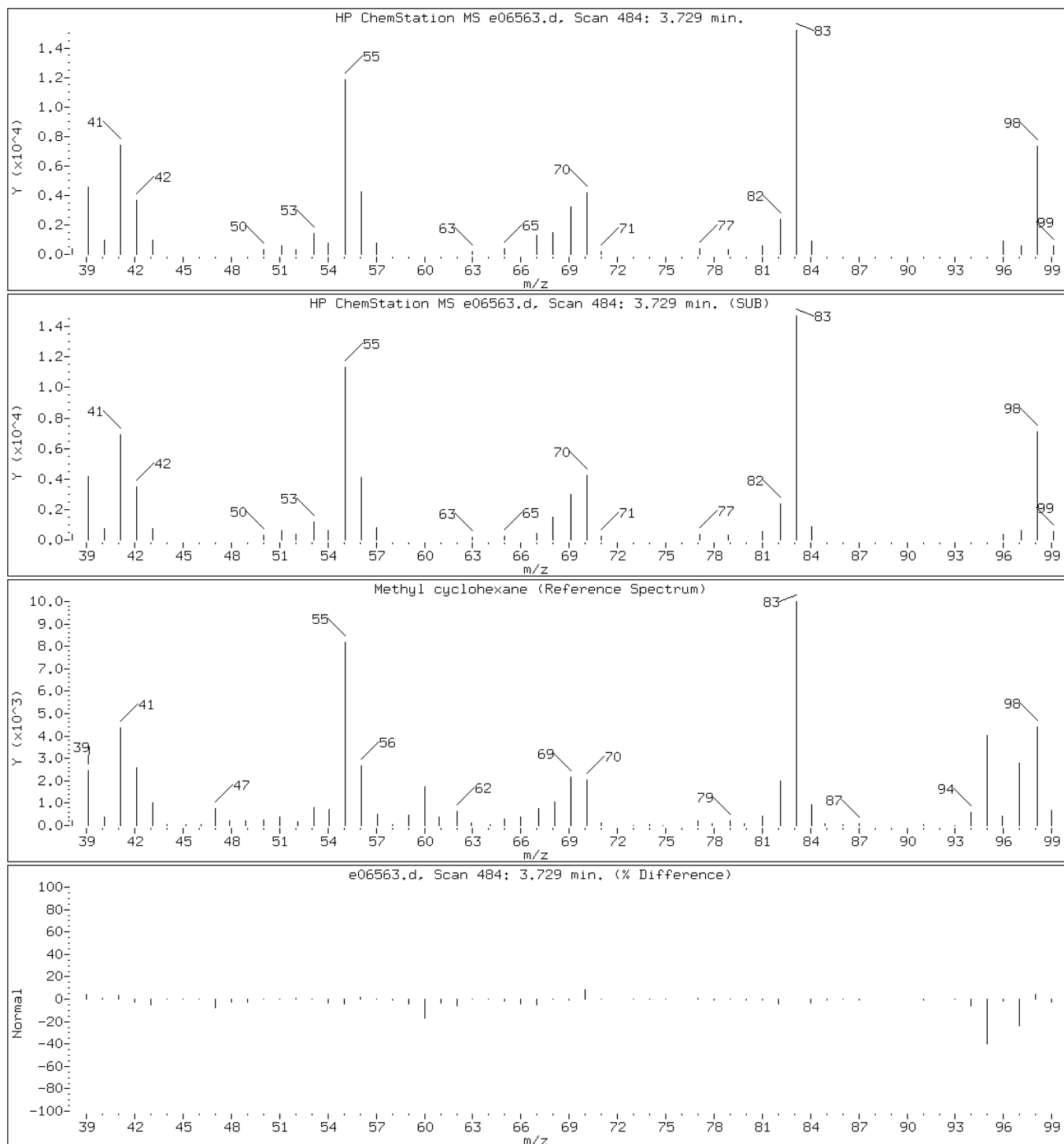
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e06563.d

Date: 10-AUG-2012 13:15

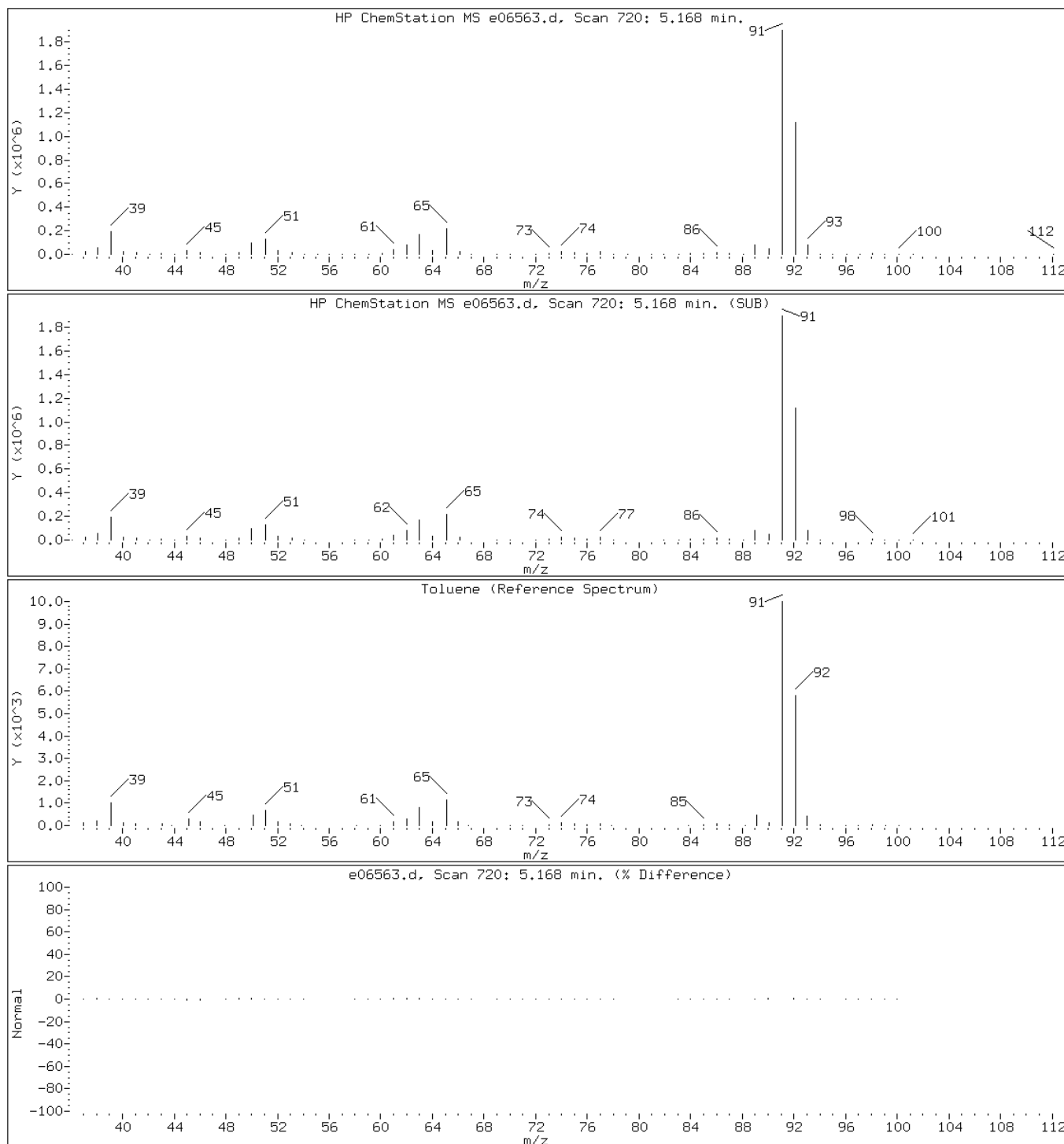
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

66 Toluene



Data File: e06563.d

Date: 10-AUG-2012 13:15

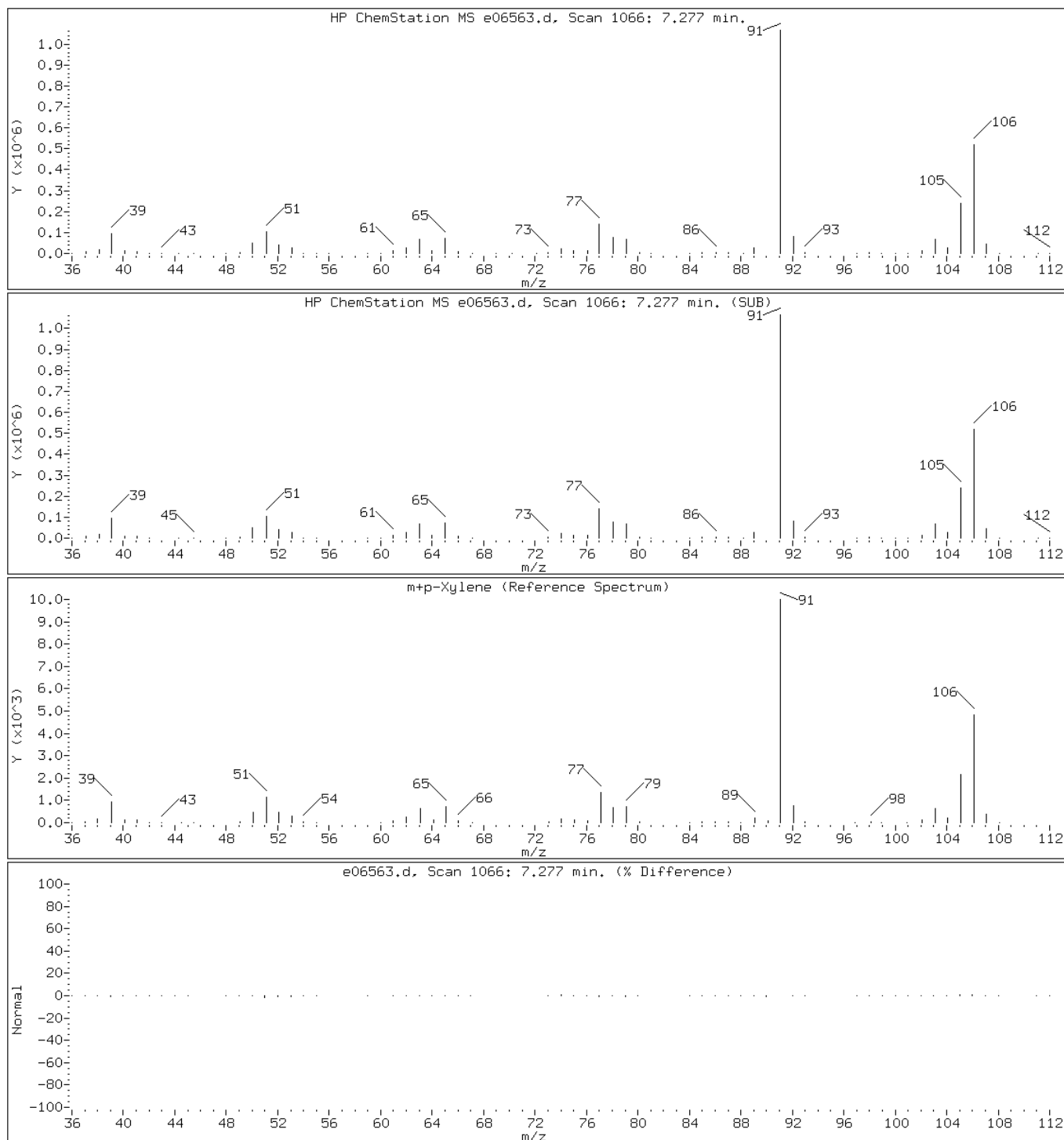
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e06563.d

Date: 10-AUG-2012 13:15

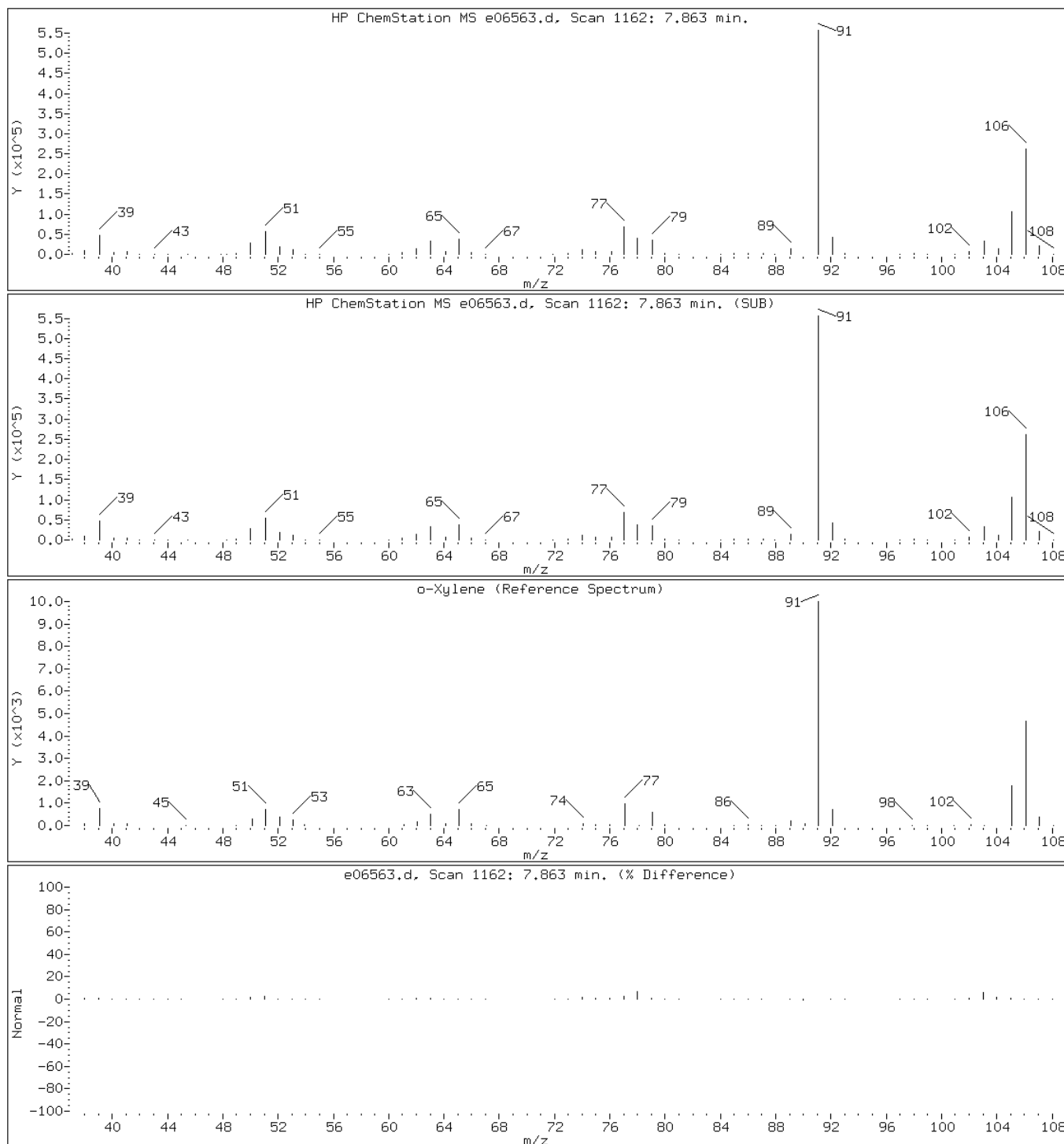
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

84 o-Xylene



Data File: e06563.d

Date: 10-AUG-2012 13:15

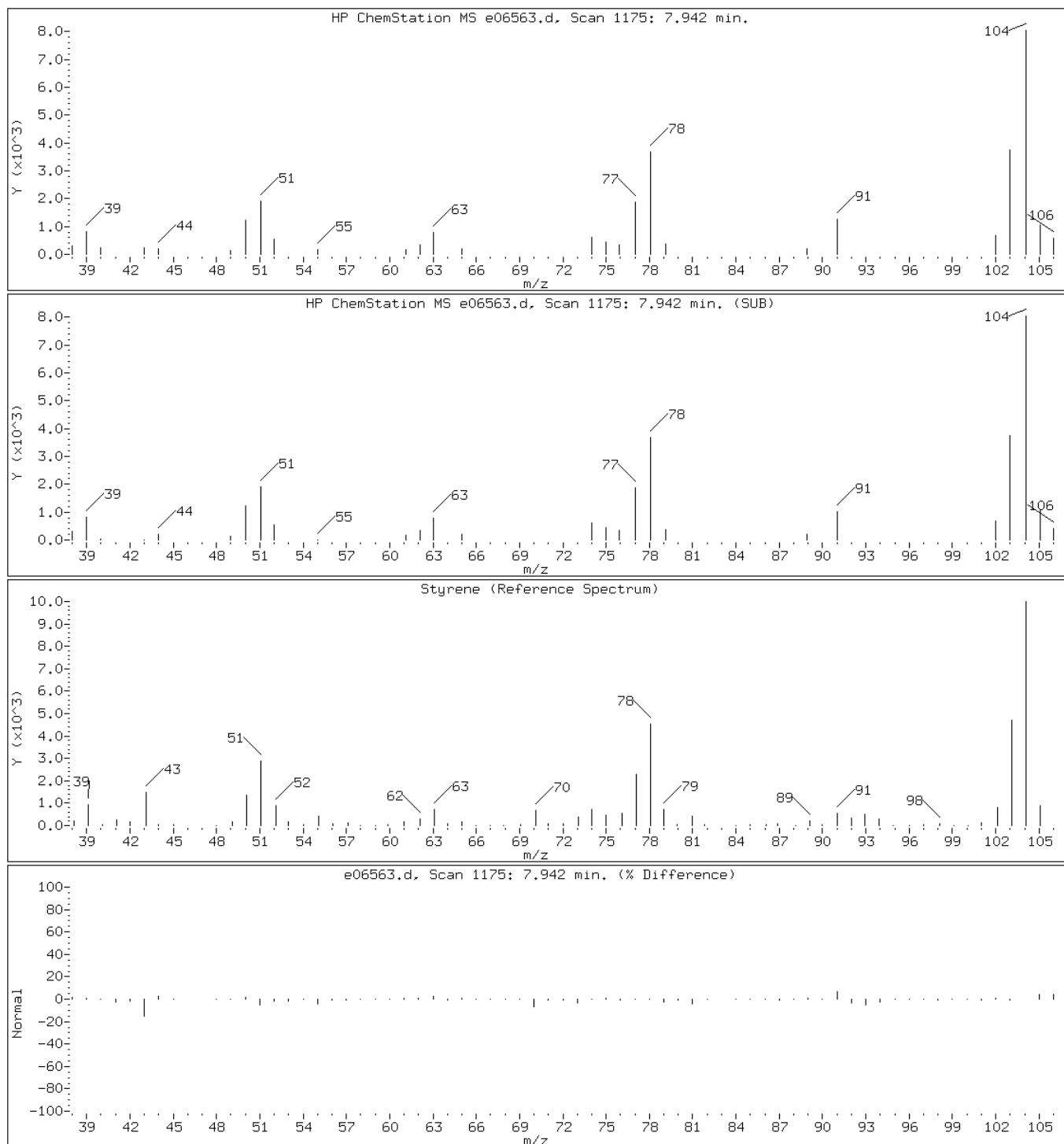
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

85 Styrene



Data File: e06563.d

Date: 10-AUG-2012 13:15

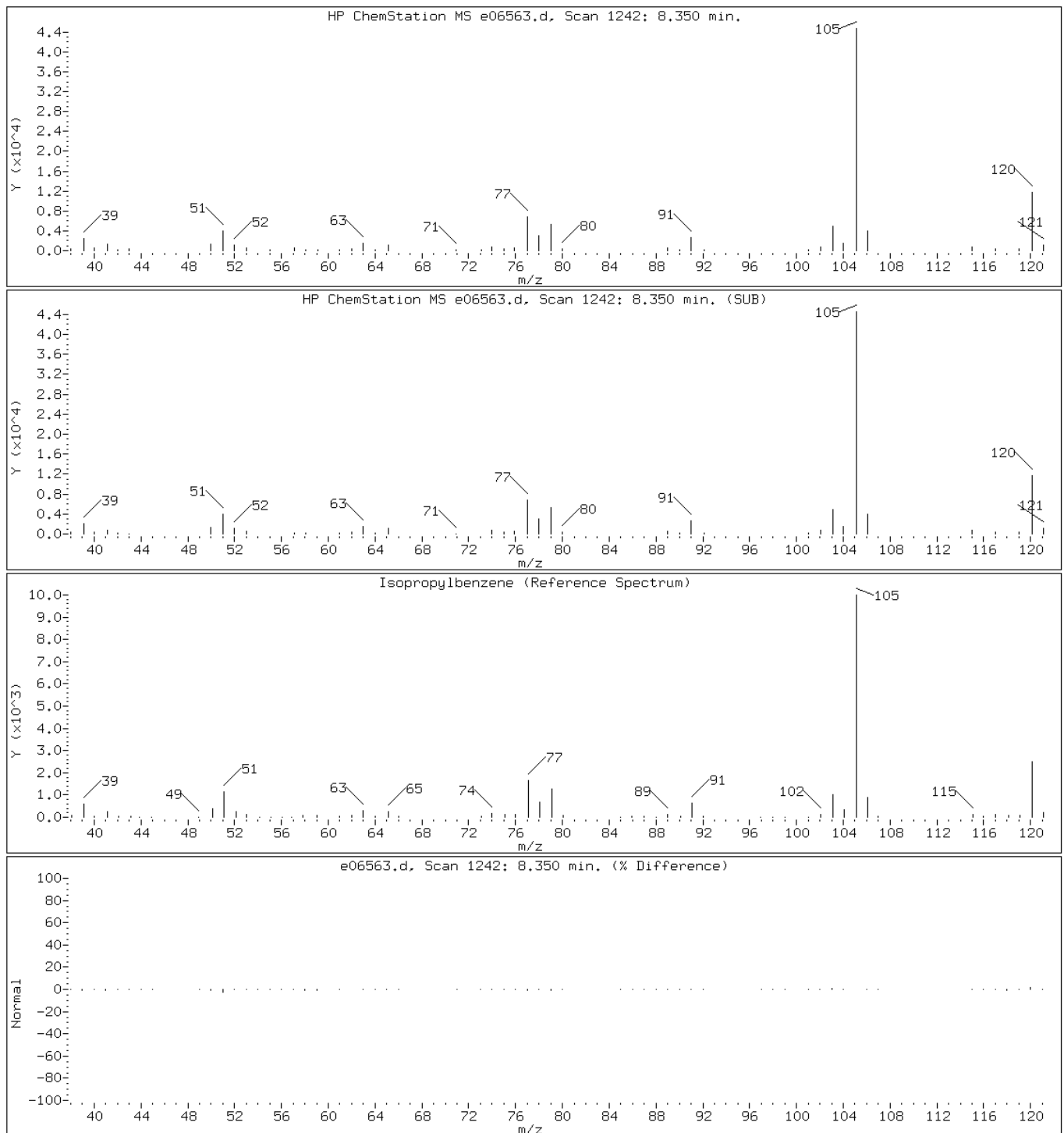
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

88 Isopropylbenzene



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

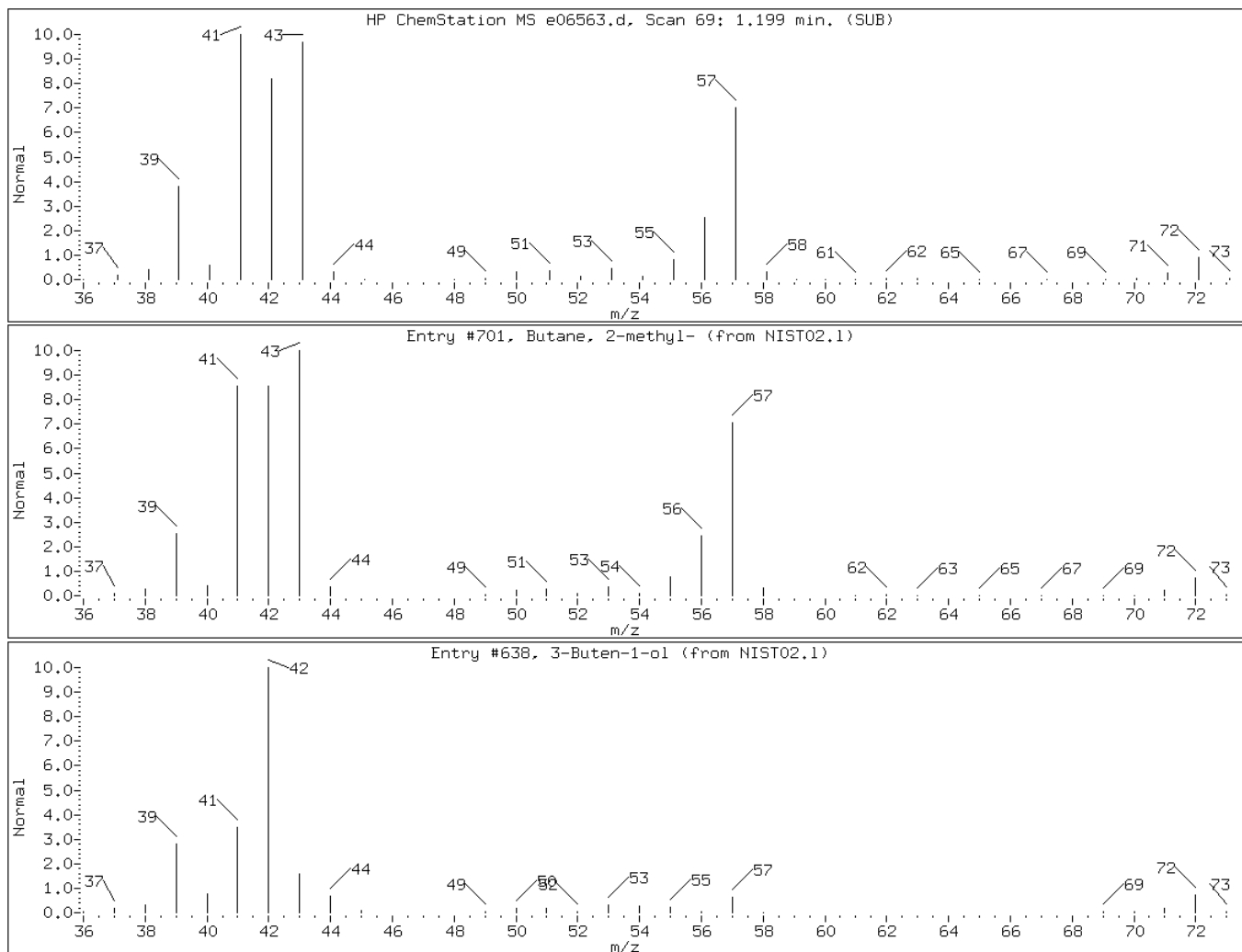
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 1.20

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	91	C5H12	72
3-Buten-1-ol	627-27-0	NIST02.1	638	47	C4H8O	72



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

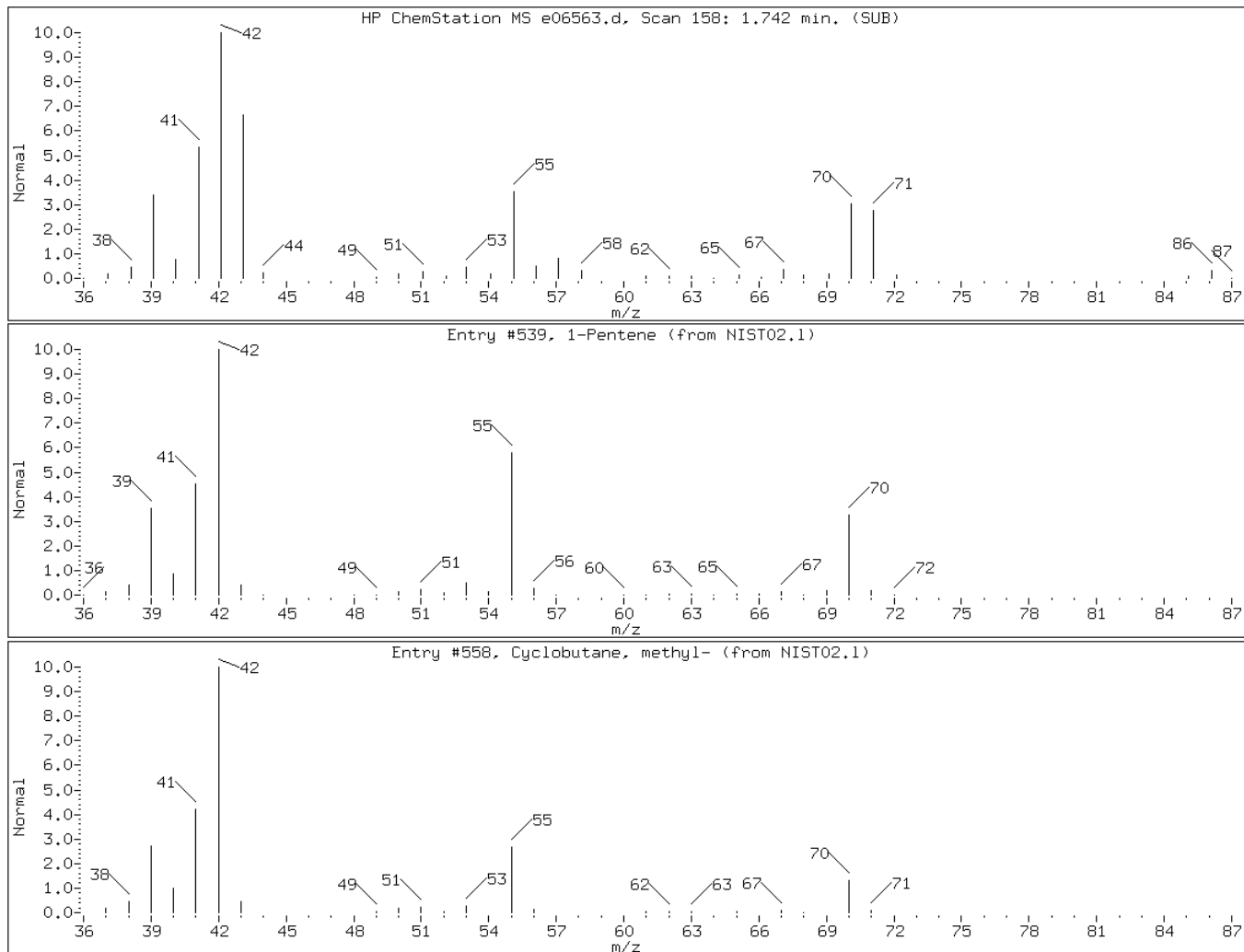
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 1.74

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Alkene						
1-Pentene	109-67-1	NIST02.1	539	64	C5H10	70
Cyclobutane, methyl-	598-61-8	NIST02.1	558	64	C5H10	70



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

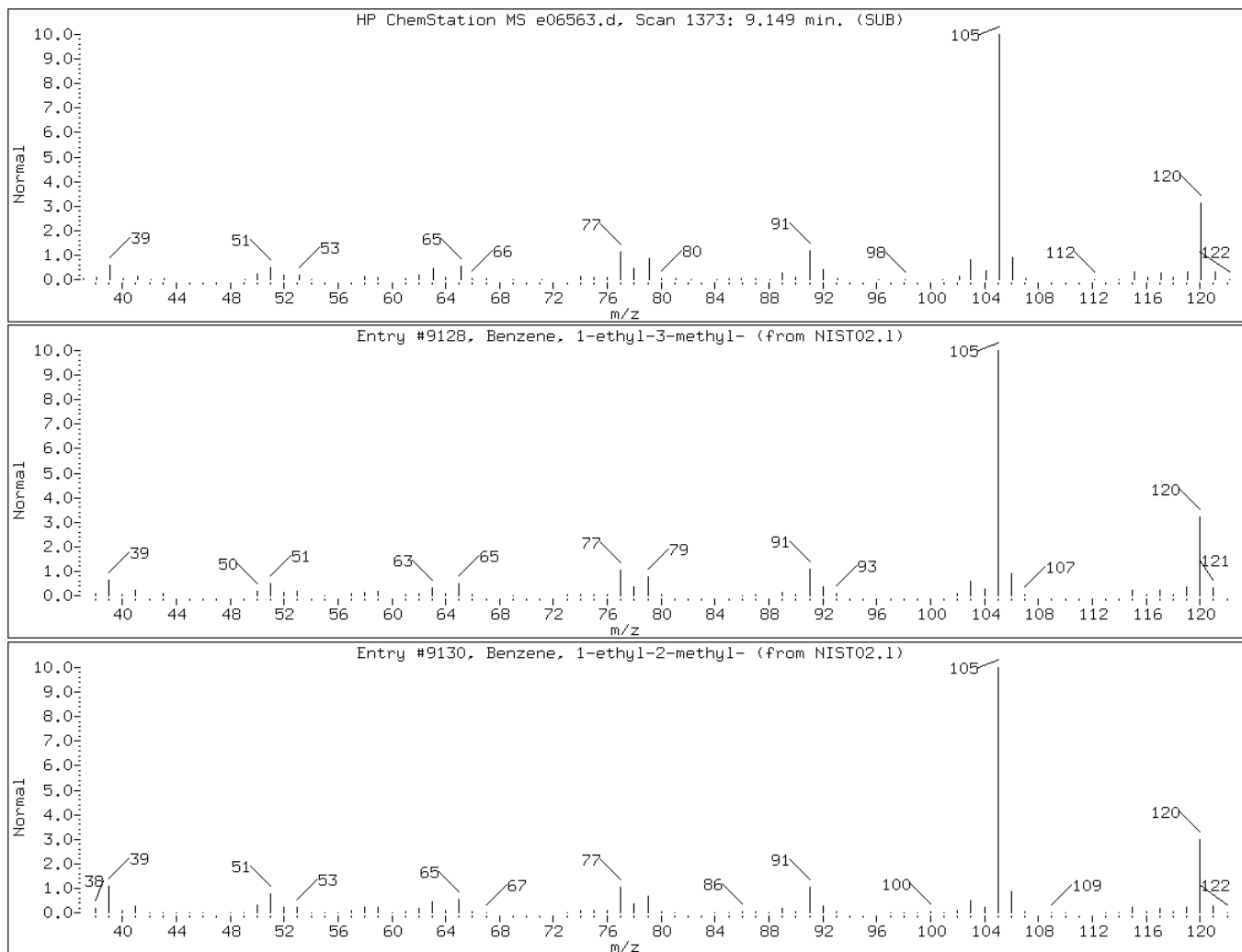
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 9.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic						
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.1	9128	97	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9130	95	C9H12	120



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

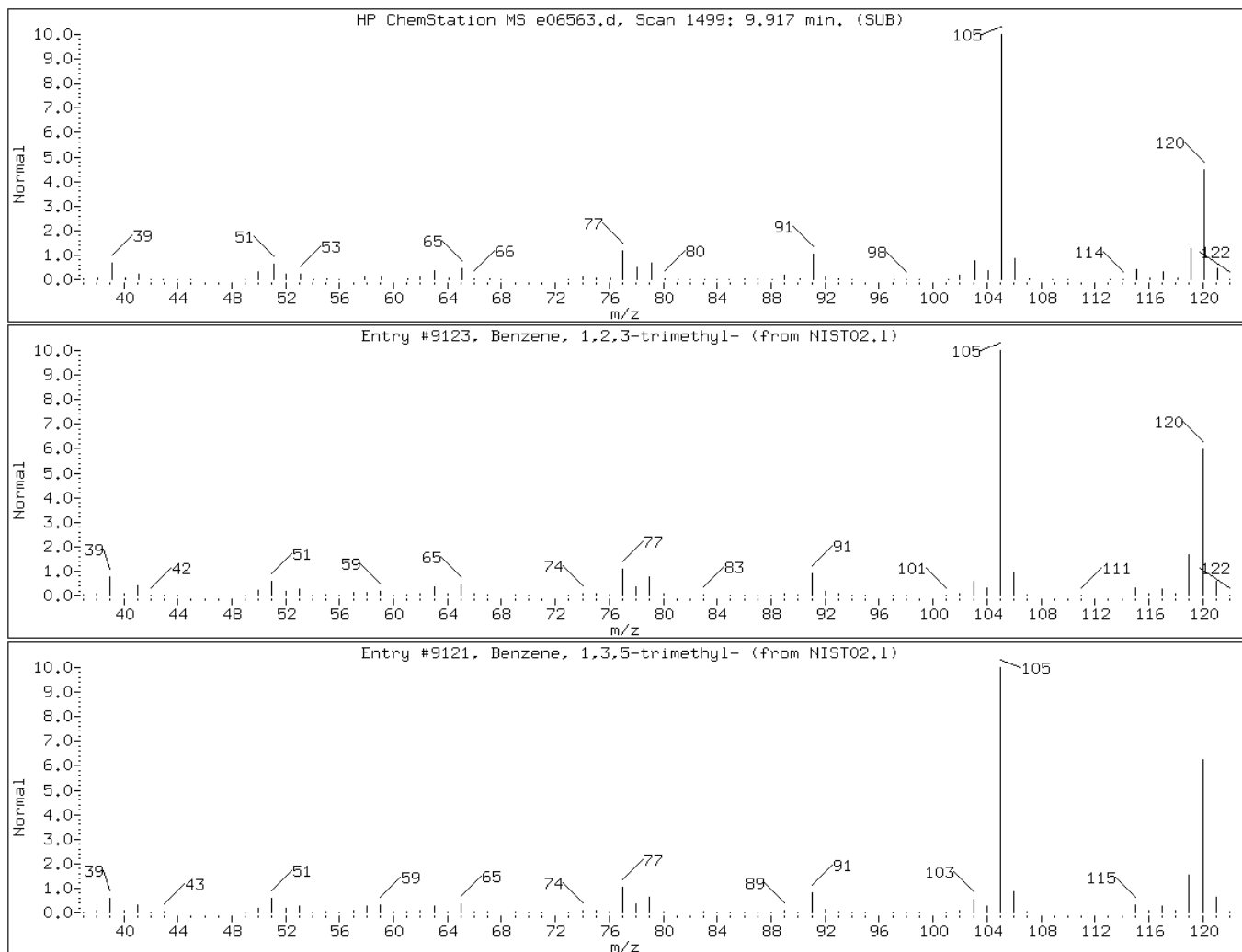
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 9.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic-1						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	97	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.1	9121	95	C9H12	120



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

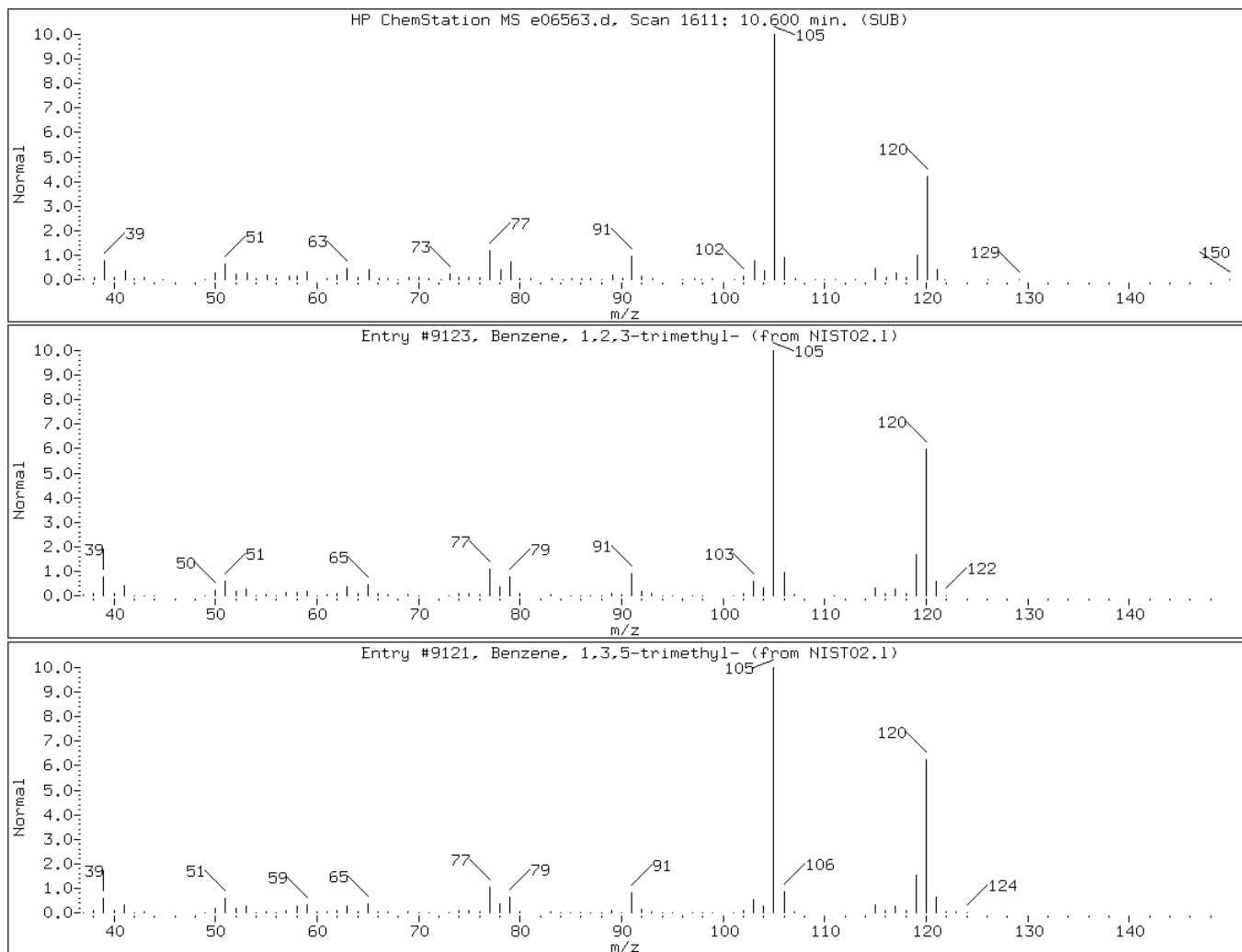
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 10.60

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic-2						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.1	9121	94	C9H12	120



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

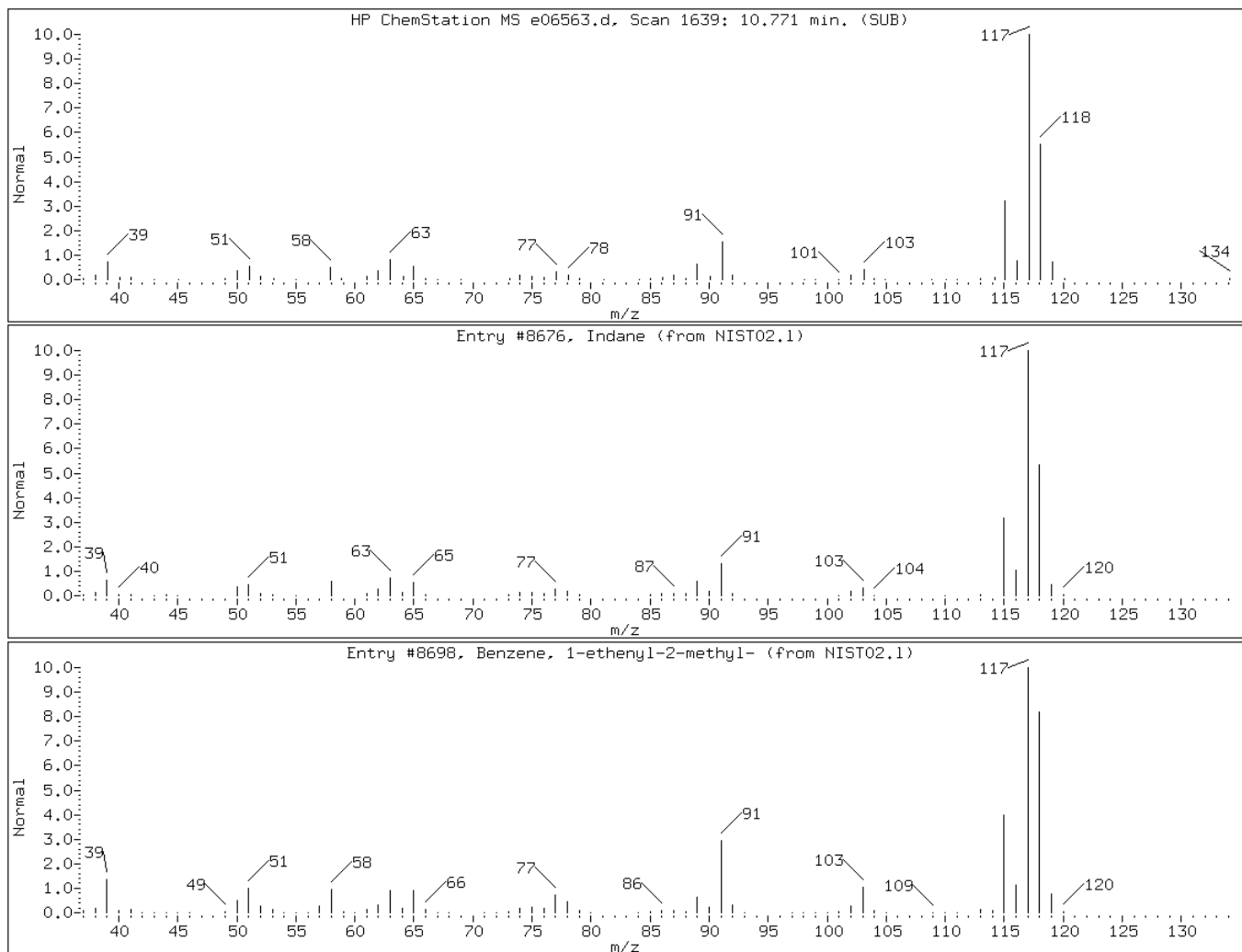
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 10.77

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H10 Aromatic						
Indane	496-11-7	NIST02.1	8676	93	C9H10	118
Benzene, 1-ethenyl-2-methyl-	611-15-4	NIST02.1	8698	81	C9H10	118



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

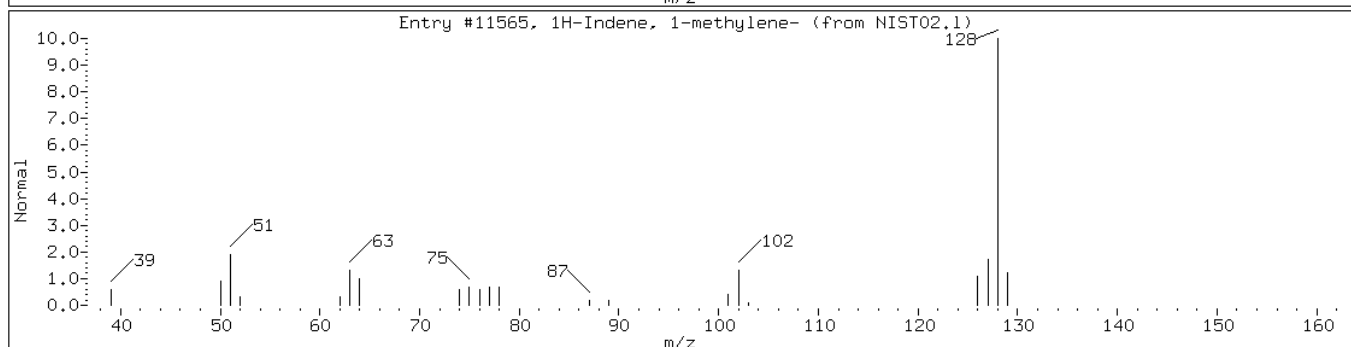
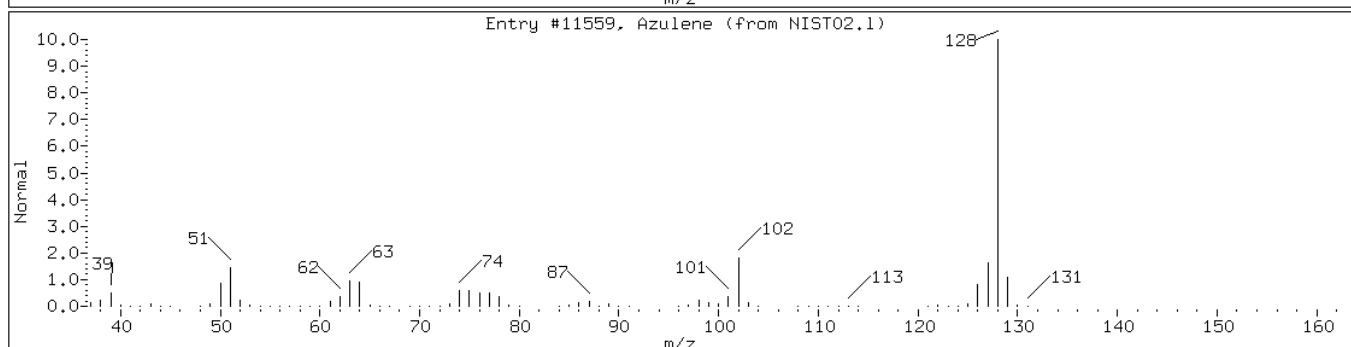
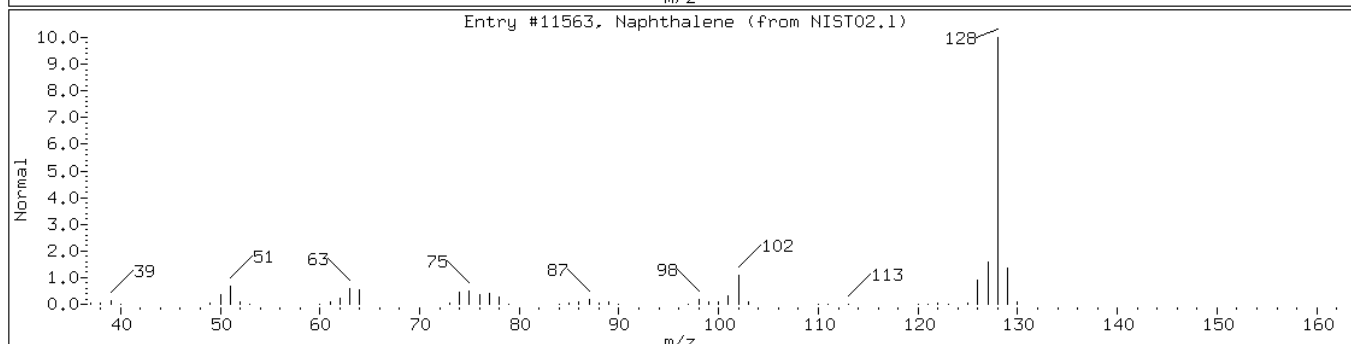
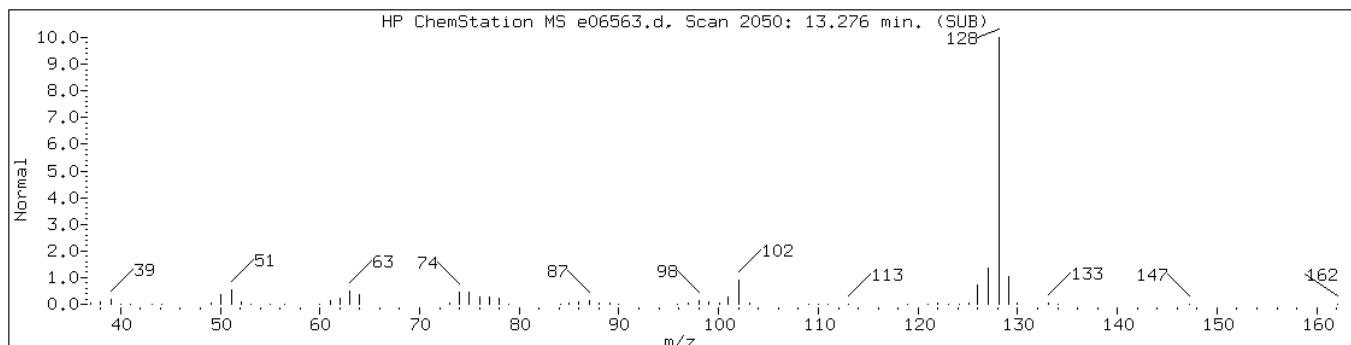
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 13.28

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene	91-20-3	NIST02.1	11563	94	C ₁₀ H ₈	128
Azulene	275-51-4	NIST02.1	11559	91	C ₁₀ H ₈	128
1H-Indene, 1-methylene-	2471-84-3	NIST02.1	11565	87	C ₁₀ H ₈	128



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

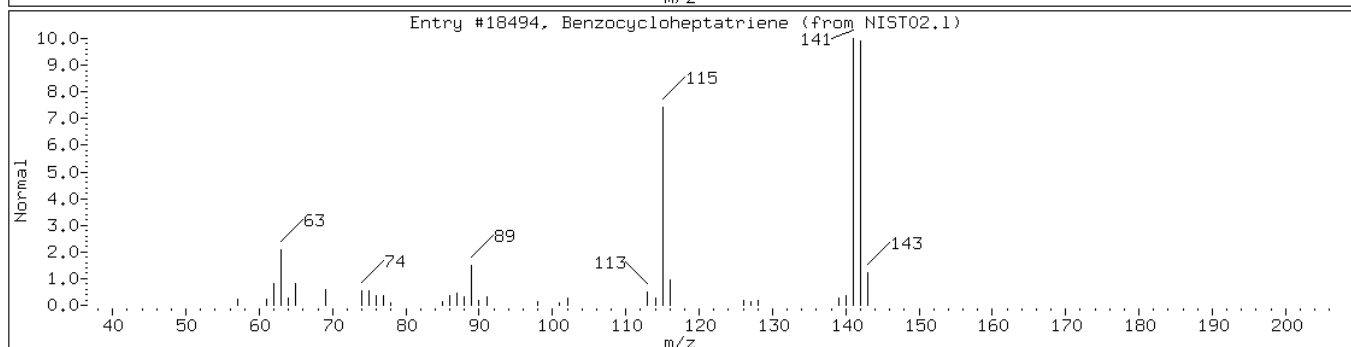
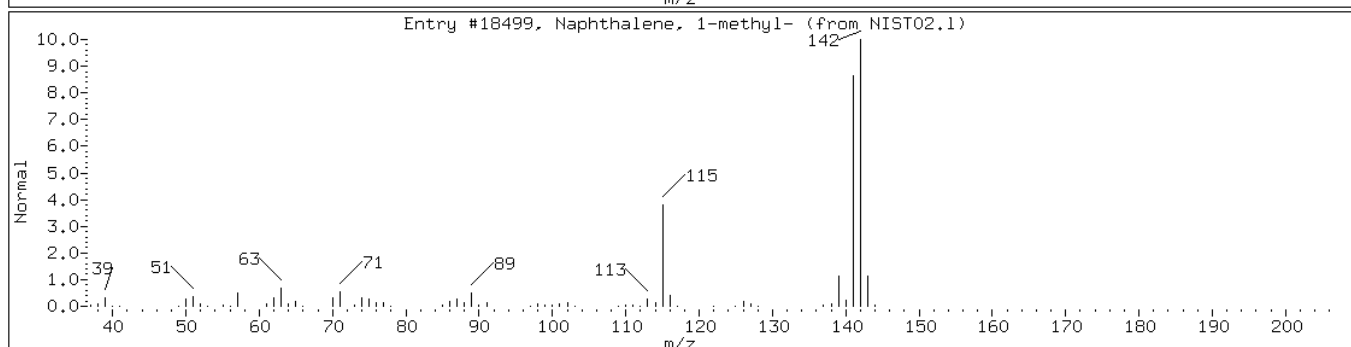
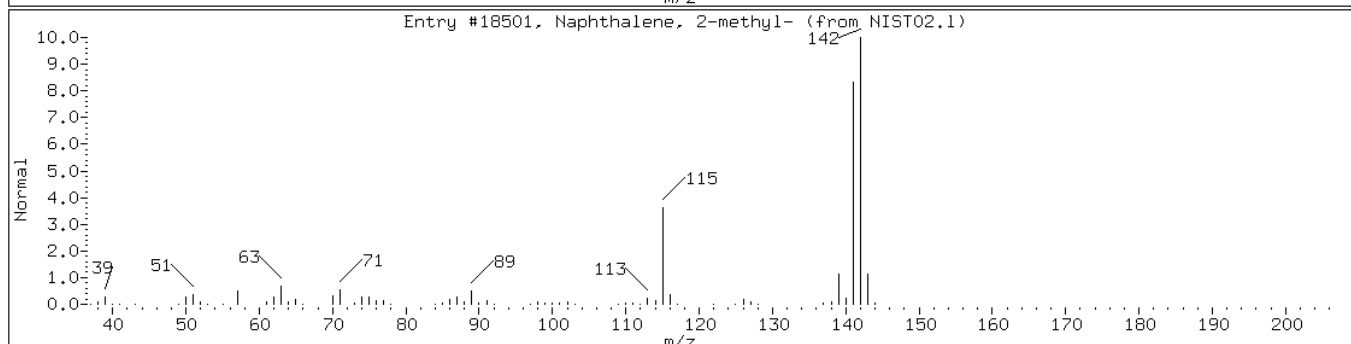
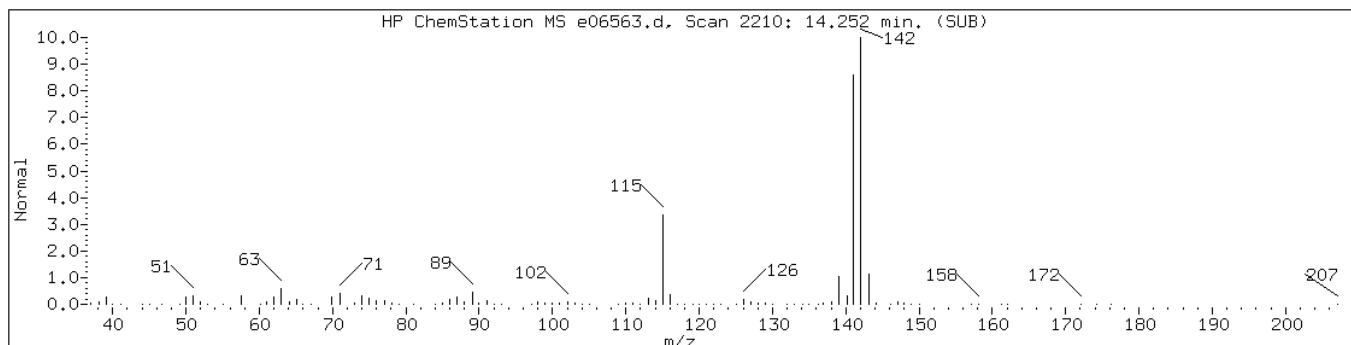
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 14.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2-methyl-	91-57-6	NIST02.1	18501	96	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NIST02.1	18499	96	C11H10	142
Benzocycloheptatriene	264-09-5	NIST02.1	18494	91	C11H10	142



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

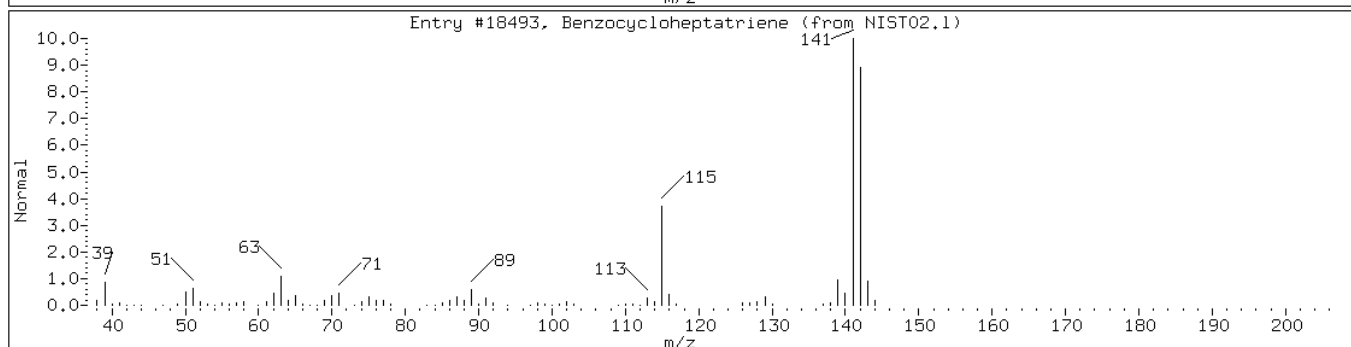
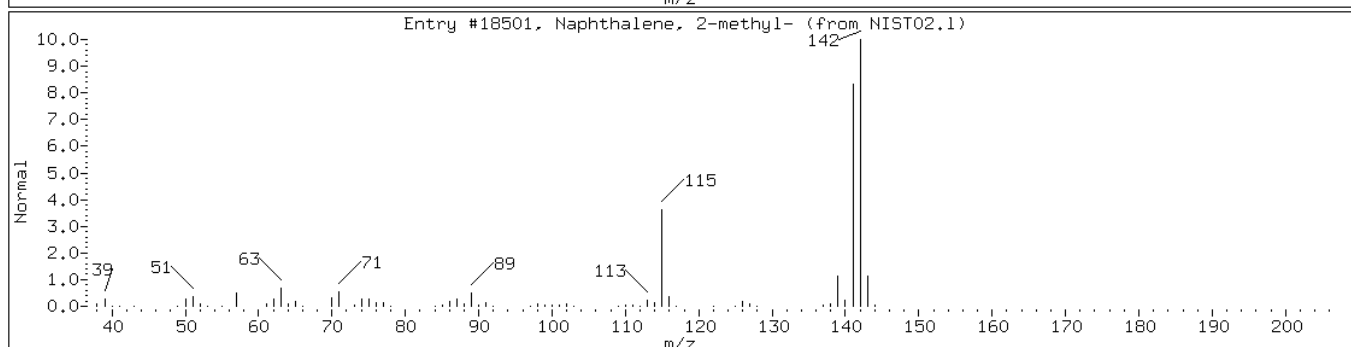
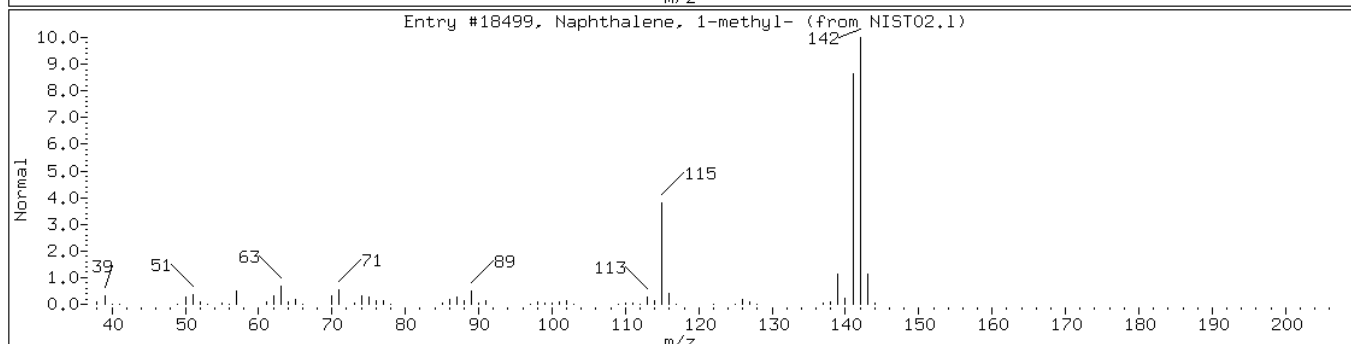
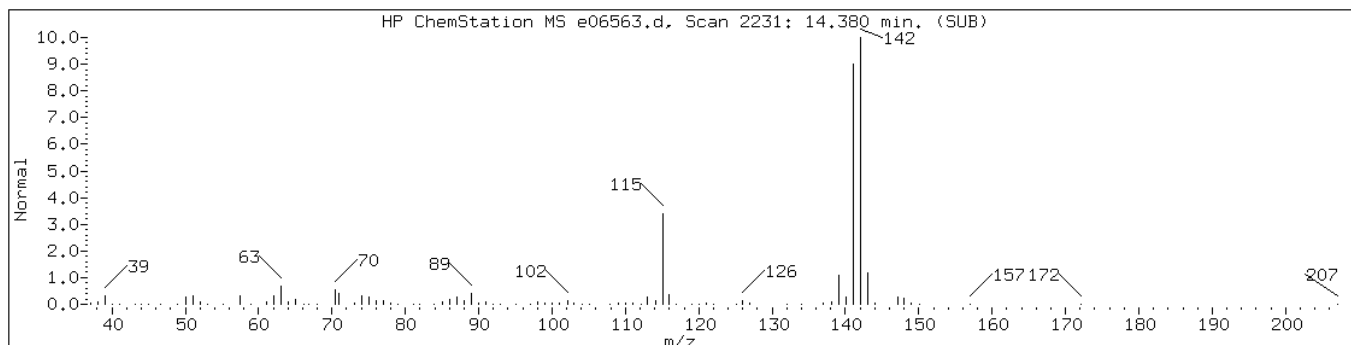
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 14.38

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1-methyl-	90-12-0	NIST02.1	18499	96	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NIST02.1	18501	96	C11H10	142
Benzocycloheptatriene	264-09-5	NIST02.1	18493	91	C11H10	142



Data File: e06563.d

Date: 10-AUG-2012 13:15

Client ID:

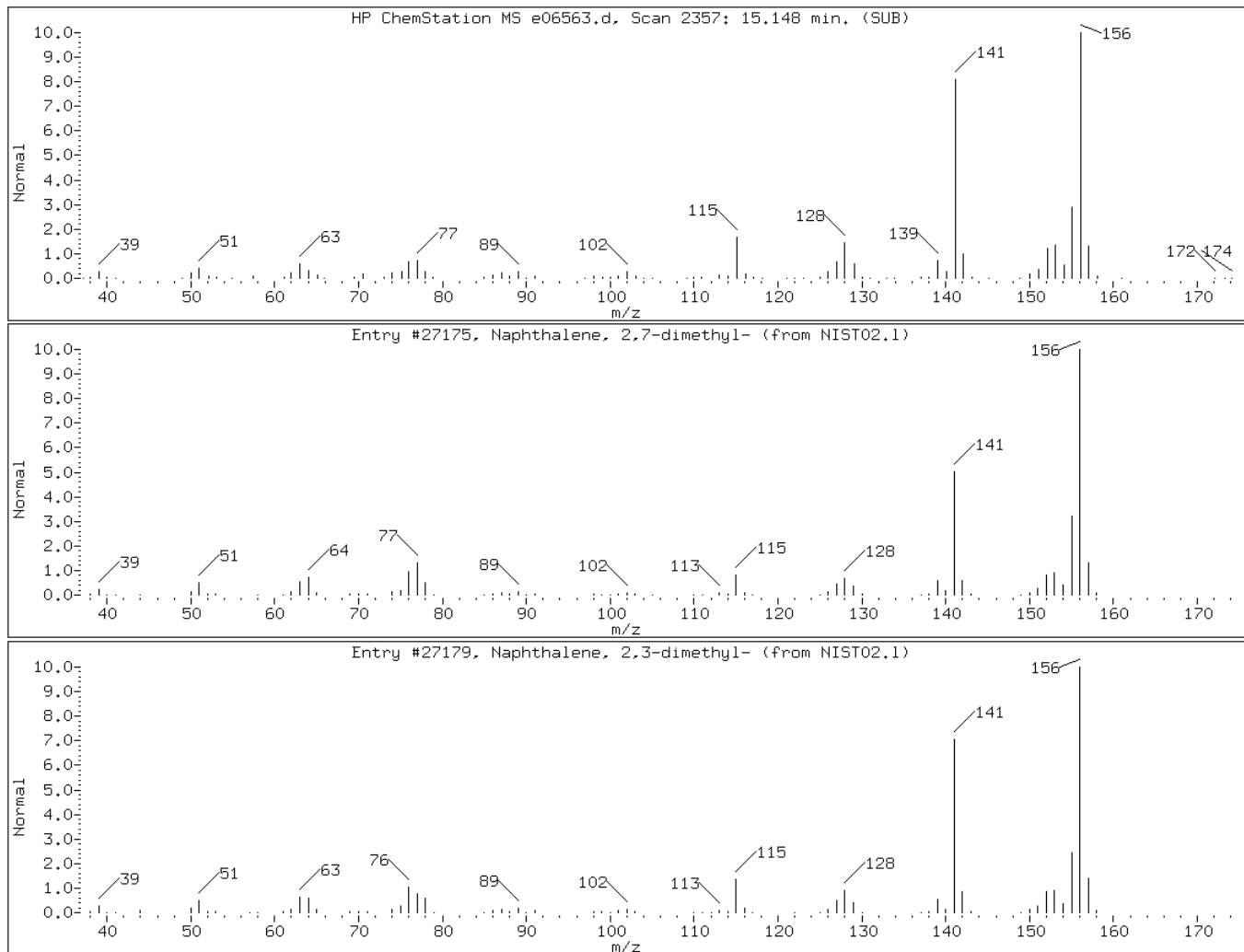
Instrument: VOAMS5.i

Sample Info: 460-43270-B-4;2

Operator: GC/MS VOAMS5

Retention Time: 15.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dimethylnaphthalene isomer						
Naphthalene, 2,7-dimethyl-	582-16-1	NIST02.1	27175	97	C12H12	156
Naphthalene, 2,3-dimethyl-	581-40-8	NIST02.1	27179	97	C12H12	156



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43270-1 Analy Batch No.: 121792

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 04:34 Calibration End Date: 07/30/2012 09:39 Calibration ID: 16560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-121792/7	e06010.d
Level 2	IC 460-121792/6	e06009.d
Level 3	ICIS 460-121792/2	e05999.d
Level 4	IC 460-121792/3	e06003.d
Level 5	IC 460-121792/4	e06004.d
Level 6	IC 460-121792/5	e06005.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2151 0.1911	0.1912	0.1903	0.1920	0.1789	Ave		0.1931			0.1000	6.1		30.0			
Chloromethane	0.2564 0.2159	0.2507	0.2284	0.2214	0.2051	Ave		0.2297			0.1000	8.8		30.0			
Vinyl chloride	0.2300 0.2091	0.2148	0.2188	0.2161	0.2060	Ave		0.2158			0.1000	3.9		30.0			
Bromomethane	0.1339 0.1497	0.1584	0.1436	0.1299	0.1355	Ave		0.1418			0.1000	7.6		30.0			
Chloroethane	0.1304 0.0929	0.1039	0.1174	0.1269	0.1031	Ave		0.1125			0.1000	13.2		30.0			
Trichlorofluoromethane	0.3201 0.3317	0.3305	0.3460	0.2997	0.2990	Ave		0.3212			0.1000	5.9		30.0			
1,1-Dichloroethene	0.1853 0.1746	0.1714	0.1671	0.1755	0.1672	Ave		0.1735			0.1000	3.9		30.0			
Carbon disulfide	0.6737 0.6678	0.5948	0.5039	0.6316	0.6271	Ave		0.6165			0.1000	10.1		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2072 0.2124	0.1893	0.1789	0.2011	0.1989	Ave		0.1980			0.1000	6.2		30.0			
Methylene Chloride	0.2915 0.2396	0.2930	0.2710	0.2655	0.2463	Ave		0.2678			0.1000	8.3		30.0			
Acetone	0.0215 0.0153	0.0165	0.0169	0.0165	0.0146	Ave		0.0169		*	0.1000	14.4		30.0			
trans-1,2-Dichloroethene	0.2262 0.2207	0.2222	0.2079	0.2336	0.2181	Ave		0.2214			0.1000	3.9		30.0			
Methyl acetate	0.0390 0.0363	0.0387	0.0440	0.0376	0.0355	Ave		0.0385		*	0.1000	7.8		30.0			
Methyl tert-butyl ether	0.7030 0.6757	0.6810	0.6881	0.6901	0.6540	Ave		0.6820			0.1000	2.4		30.0			
1,1-Dichloroethane	0.4120 0.3961	0.4096	0.4011	0.4216	0.4036	Ave		0.4073			0.1000	2.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43270-1 Analy Batch No.: 121792

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 04:34 Calibration End Date: 07/30/2012 09:39 Calibration ID: 16560

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2745 0.2458	0.2681	0.2472	0.2558	0.2430	Ave		0.2558			0.1000	5.1		30.0			
Cyclohexane	0.3503 0.3655	0.3217	0.3172	0.3437	0.3430	Ave		0.3402			0.1000	5.3		30.0			
Chloroform	0.4246 0.4155	0.4061	0.4169	0.4260	0.4147	Ave		0.4173			0.1000	1.7		30.0			
Carbon tetrachloride	0.3122 0.3644	0.3018	0.3193	0.3379	0.3644	Ave		0.3333			0.1000	8.0		30.0			
1,1,1-Trichloroethane	0.3808 0.4199	0.3594	0.3816	0.3980	0.4200	Ave		0.3933			0.1000	6.1		30.0			
2-Butanone (MEK)	0.0304 0.0389	0.0273	0.0362	0.0365	0.0366	Ave		0.0343		*	0.1000	12.9		30.0			
Benzene	1.0288 1.0263	1.0548	1.0291	1.0555	1.0833	Ave		1.0463			0.1000	2.2		30.0			
1,2-Dichloroethane	0.3141 0.3229	0.3227	0.3017	0.3257	0.3207	Ave		0.3180			0.1000	2.8		30.0			
Methylcyclohexane	0.4176 0.3803	0.3535	0.3397	0.3589	0.3521	Ave		0.3670			0.1000	7.7		30.0			
Trichloroethene	0.2685 0.2639	0.2545	0.2431	0.2499	0.2537	Ave		0.2556			0.1000	3.6		30.0			
1,2-Dichloropropane	0.2229 0.2396	0.2337	0.2240	0.2265	0.2301	Ave		0.2295			0.1000	2.8		30.0			
Dichlorobromomethane	0.3297 0.3577	0.3373	0.3249	0.3306	0.3448	Ave		0.3375			0.1000	3.6		30.0			
cis-1,3-Dichloropropene	0.4344 0.4836	0.4768	0.4689	0.4751	0.4869	Ave		0.4710			0.1000	4.0		30.0			
Toluene	1.5168 1.2392	1.3634	1.2704	1.2801	1.2800	Ave		1.3250			0.1000	7.7		30.0			
Tetrachloroethene	0.3852 0.3825	0.3811	0.3749	0.3821	0.3909	Ave		0.3828			0.1000	1.4		30.0			
4-Methyl-2-pentanone (MIBK)	0.2294 0.2280	0.2055	0.2135	0.2157	0.2084	Ave		0.2168			0.1000	4.6		30.0			
trans-1,3-Dichloropropene	0.4222 0.4707	0.4441	0.4392	0.4514	0.4667	Ave		0.4491			0.1000	4.0		30.0			
1,1,2-Trichloroethane	0.1956 0.1982	0.1981	0.1929	0.1905	0.1944	Ave		0.1950			0.1000	1.5		30.0			
Chlorodibromomethane	0.2879 ++++	0.3187	0.3276	0.3305	0.3492	Ave		0.3228			0.1000	7.0		30.0			
1,2-Dibromoethane	0.2560 0.2749	0.2675	0.2608	0.2674	0.2700	Ave		0.2661			0.1000	2.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43270-1 Analy Batch No.: 121792

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 04:34 Calibration End Date: 07/30/2012 09:39 Calibration ID: 16560

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.1894 0.1736	0.1631	0.1751	0.1753	0.1582	Ave		0.1724			0.1000	6.3		30.0			
Chlorobenzene	0.9140 0.9118	0.9393	0.9038	0.9017	0.9019	Ave		0.9121			0.1000	1.6		30.0			
Ethylbenzene	0.4645 0.4942	0.4753	0.4681	0.4755	0.4795	Ave		0.4762			0.1000	2.2		30.0			
m-Xylene & p-Xylene	0.6032 0.6139	0.6215	0.5993	0.6066	0.6030	Ave		0.6079			0.1000	1.4		30.0			
o-Xylene	0.6159 0.6039	0.6185	0.5909	0.5920	0.5861	Ave		0.6012			0.1000	2.3		30.0			
Bromoform	0.2129 0.2827	0.2381	0.2497	0.2579	0.2671	Ave		0.2514			0.1000	9.6		30.0			
Styrene	1.0467 1.0509	1.0704	1.0153	1.0300	1.0199	Ave		1.0389			0.1000	2.0		30.0			
Isopropylbenzene	1.5171 1.5650	1.5999	1.5391	1.5563	1.5457	Ave		1.5539			0.1000	1.8		30.0			
1,1,2,2-Tetrachloroethane	0.4861 0.5019	0.4651	0.4735	0.4703	0.4835	Ave		0.4801			0.1000	2.8		30.0			
1,3-Dichlorobenzene	1.4045 1.2791	1.3620	1.2861	1.2782	1.2853	Ave		1.3159			0.1000	4.1		30.0			
1,4-Dichlorobenzene	1.4583 1.3095	1.4210	1.3241	1.3083	1.3033	Ave		1.3541			0.1000	5.0		30.0			
1,2-Dichlorobenzene	1.3177 1.2038	1.3278	1.2344	1.2216	1.1901	Ave		1.2492			0.1000	4.7		30.0			
1,2-Dibromo-3-Chloropropane	0.1013 0.0984	0.0973	0.0913	0.0938	0.0942	Ave		0.0961		*	0.1000	3.8		30.0			
1,2,4-Trichlorobenzene	1.0435 0.7772	0.9706	0.8197	0.8021	0.7861	Ave		0.8665			0.1000	12.9		30.0			
1,2-Dichloroethane-d4 (Surr)	0.2560 0.2575	0.2508	0.2352	0.2462	0.2449	Ave		0.2484			0.1000	3.3		30.0			
Toluene-d8 (Surr)	1.0517 1.0528	1.0518	1.0579	1.0586	1.0614	Ave		1.0557			0.1000	0.4		30.0			
4-Bromofluorobenzene	0.8148 0.9076	0.8111	0.8315	0.8304	0.8582	Ave		0.8423			0.1000	4.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43270-1 Analy Batch No.: 121792

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 04:34 Calibration End Date: 07/30/2012 09:39 Calibration ID: 16560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-121792/7	e06010.d
Level 2	IC 460-121792/6	e06009.d
Level 3	ICIS 460-121792/2	e05999.d
Level 4	IC 460-121792/3	e06003.d
Level 5	IC 460-121792/4	e06004.d
Level 6	IC 460-121792/5	e06005.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4521 2256759	20280	83576	211241	870973	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	5390 2549064	26589	100321	243575	998398	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	4834 2469106	22777	96115	237732	1003097	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	2815 1768011	16800	63067	142846	659809	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	2741 1097009	11019	51570	139630	502111	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	6729 3915749	35048	151992	329646	1455631	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	3896 2061904	18173	73408	193061	813938	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	14162 7883994	63075	221336	694746	3053172	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	4356 2507426	20077	78574	221217	968145	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	6127 2829076	31076	119035	292024	1199330	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	2264 181056	5264	7430	18138	70964	5.00 500	15.0	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	4755 2605203	23561	91306	256962	1061862	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	820 429090	4100	19318	41363	172852	1.00 500	5.00	20.0	50.0	200
Methyl tert-butyl ether	FB	Ave	14777 7977208	72216	302255	759073	3184205	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	8661 4676860	43439	176175	463734	1965151	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	5771 2902503	28432	108605	281390	1183272	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43270-1 Analy Batch No.: 121792

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 04:34 Calibration End Date: 07/30/2012 09:39 Calibration ID: 16560

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	7363 4315008	34115	139320	378069	1669818	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	8926 4905994	43067	183113	468560	2018823	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	6563 4302287	32006	140244	371698	1774089	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	8005 4957303	38117	167614	437845	2044636	1.00 500	5.00	20.0	50.0	200
2-Butanone (MEK)	FB	Ave	3191 459172	8693	15886	40129	177965	5.00 500	15.0	20.0	50.0	200
Benzene	CBZ	Ave	19591 11165056	99494	400814	1027803	4556000	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	6602 3812202	34217	132546	358272	1561229	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	8779 4490325	37488	149241	394801	1714426	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	5643 3115953	26990	106804	274868	1234971	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	4685 2829221	24780	98414	249137	1120199	1.00 500	5.00	20.0	50.0	200
Dichlorobromomethane	FB	Ave	6930 4223308	35768	142734	363631	1678657	1.00 500	5.00	20.0	50.0	200
cis-1,3-Dichloropropene	CBZ	Ave	8272 5261643	44974	182635	462654	2047840	1.00 500	5.00	20.0	50.0	200
Toluene	CBZ	Ave	28884 13481258	128598	494836	1246457	5383311	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	7335 4161793	35946	146028	372062	1644213	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	21838 2480653	58156	83177	210058	876422	5.00 500	15.0	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	8041 5121364	41892	171065	439490	1962714	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	3725 2156286	18681	75147	185524	817491	1.00 500	5.00	20.0	50.0	200
Chlorodibromomethane	CBZ	Ave	5482 +++++	30064	127596	321766	1468718	1.00 +++++	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	4875 2990968	25229	101600	260335	1135623	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	18030 1888405	46154	68203	170678	665483	5.00 500	15.0	20.0	50.0	200
Chlorobenzene	CBZ	Ave	17405 9919221	88593	352023	877992	3793436	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43270-1 Analy Batch No.: 121792

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 04:34 Calibration End Date: 07/30/2012 09:39 Calibration ID: 16560

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethylbenzene	CBZ	Ave	8845 5376778	44833	182334	463009	2016539	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	22972 13357264	117232	466877	1181386	5072537	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	11729 6569521	58333	230171	576435	2465208	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	4054 3076038	22459	97239	251106	1123360	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	19932 11433457	100962	395453	1002891	4289333	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	28891 17025634	150903	599491	1515368	6500969	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	6402 3345146	30069	121117	302836	1277863	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	18497 8525851	88060	328967	823103	3396759	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	19205 8728817	91871	338698	842480	3444405	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	17354 8023833	85847	315737	786615	3145235	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	1334 655872	6292	23357	60419	248994	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	Ave	13742 5180465	62751	209680	516470	2077418	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	269068 303998	265951	258273	270789	298107	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1001346 1145394	992105	1030145	1030729	1115982	50.0 50.0	50.0	50.0	50.0	50.0
4-Bromofluorobenzene	DCB	Ave	536535 604941	524406	531715	534735	567000	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e05999.d
 Report Date: 30-Jul-2012 06:54

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e05999.d
 Lab Smp Id: ICIS-VMCAL3
 Inj Date : 30-JUL-2012 04:34
 Operator : GC/MS VOAMS5
 Smp Info : ICIS-VMCAL3
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/8260DE_09.m
 Meth Date : 30-Jul-2012 06:54 audberto Quant Type: ISTD
 Cal Date : 30-JUL-2012 04:34 Cal File: e05999.d
 Als bottle: 2 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.882	0.882	(0.245)	83576	20.0000	20
3 Chloromethane	50	1.010	1.010	(0.281)	100321	20.0000	20
4 Vinyl Chloride	62	1.016	1.016	(0.283)	96115	20.0000	20
6 Bromomethane	94	1.169	1.169	(0.325)	63067	20.0000	20
5 Chloroethane	64	1.230	1.230	(0.342)	51570	20.0000	20
7 Trichlorofluoromethane	101	1.291	1.291	(0.359)	151992	20.0000	20
14 Freon TF	101	1.565	1.565	(0.435)	78574	20.0000	20
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	73408	20.0000	20
16 Acetone	58	1.888	1.888	(0.525)	7430	20.0000	20
18 Carbon Disulfide	76	1.559	1.559	(0.434)	221336	20.0000	20
27 Methyl Acetate	74	1.955	1.955	(0.544)	19318	20.0000	20
22 Methylene Chloride	49	1.852	1.852	(0.515)	119035	20.0000	20
28 MTBE	73	2.010	2.010	(0.559)	302255	20.0000	20
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	91306	20.0000	20
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	176175	20.0000	20
36 cis-1,2-Dichloroethene	96	2.644	2.644	(0.735)	108605	20.0000	20

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e05999.d
 Report Date: 30-Jul-2012 06:54

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.065	3.065	(0.852)	15886	20.0000	20
42 Chloroform	83	2.839	2.839	(0.790)	183113	20.0000	20
44 Cyclohexane	56	2.778	2.778	(0.773)	139320	20.0000	20
43 1,1,1-Trichloroethane	97	2.973	2.973	(0.827)	167614	20.0000	20
45 Carbon Tetrachloride	117	2.925	2.925	(0.813)	140244	20.0000	20
48 Benzene	78	3.254	3.254	(0.468)	400814	20.0000	20
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	258273	50.0000	50
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	132546	20.0000	20
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	1098185	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	106804	20.0000	20
56 Methyl cyclohexane	83	3.723	3.723	(1.036)	149241	20.0000	20
57 1,2-Dichloropropane	63	4.193	4.193	(1.166)	98414	20.0000	20
68 Bromodichloromethane	83	4.266	4.266	(1.187)	142734	20.0000	20
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	182635	20.0000	20
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	83177	20.0000	20
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1030145	50.0000	50
66 Toluene	91	5.156	5.156	(0.741)	494836	20.0000	20
64 trans-1,3-Dichloropropene	75	5.643	5.643	(0.812)	171065	20.0000	20
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	75147	20.0000	20
71 Tetrachloroethene	166	5.576	5.576	(0.802)	146028	20.0000	20
73 2-Hexanone	43	6.674	6.674	(0.960)	68203	20.0000	20
74 Dibromochloromethane	129	6.015	6.015	(0.865)	127596	20.0000	20
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	101600	20.0000	20
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	973745	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	352023	20.0000	20
81 Ethylbenzene	106	7.064	7.064	(1.016)	182334	20.0000	20
82 m+p-Xylene	106	7.277	7.277	(1.046)	466877	40.0000	40
84 o-Xylene	106	7.856	7.856	(1.130)	230171	20.0000	20
85 Styrene	104	7.942	7.942	(1.142)	395453	20.0000	20
86 Bromoform	173	7.911	7.911	(1.138)	97239	20.0000	20
88 Isopropylbenzene	105	8.344	8.344	(1.200)	599491	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	531715	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	121117	20.0000	20
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	328967	20.0000	20
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	639475	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	338698	20.0000	20
111 1,2-Dichlorobenzene	146	11.149	11.149	(1.065)	315737	20.0000	20
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	23357	20.0000	20
114 1,2,4-Trichlorobenzene	180	12.965	12.965	(1.239)	209680	20.0000	20
M 120 1,2-Dichloroethene (Total)	100				199912	40.0000	40
M 121 Xylene (Total)	100				697048	60.0000	60

Data File: e05999.d

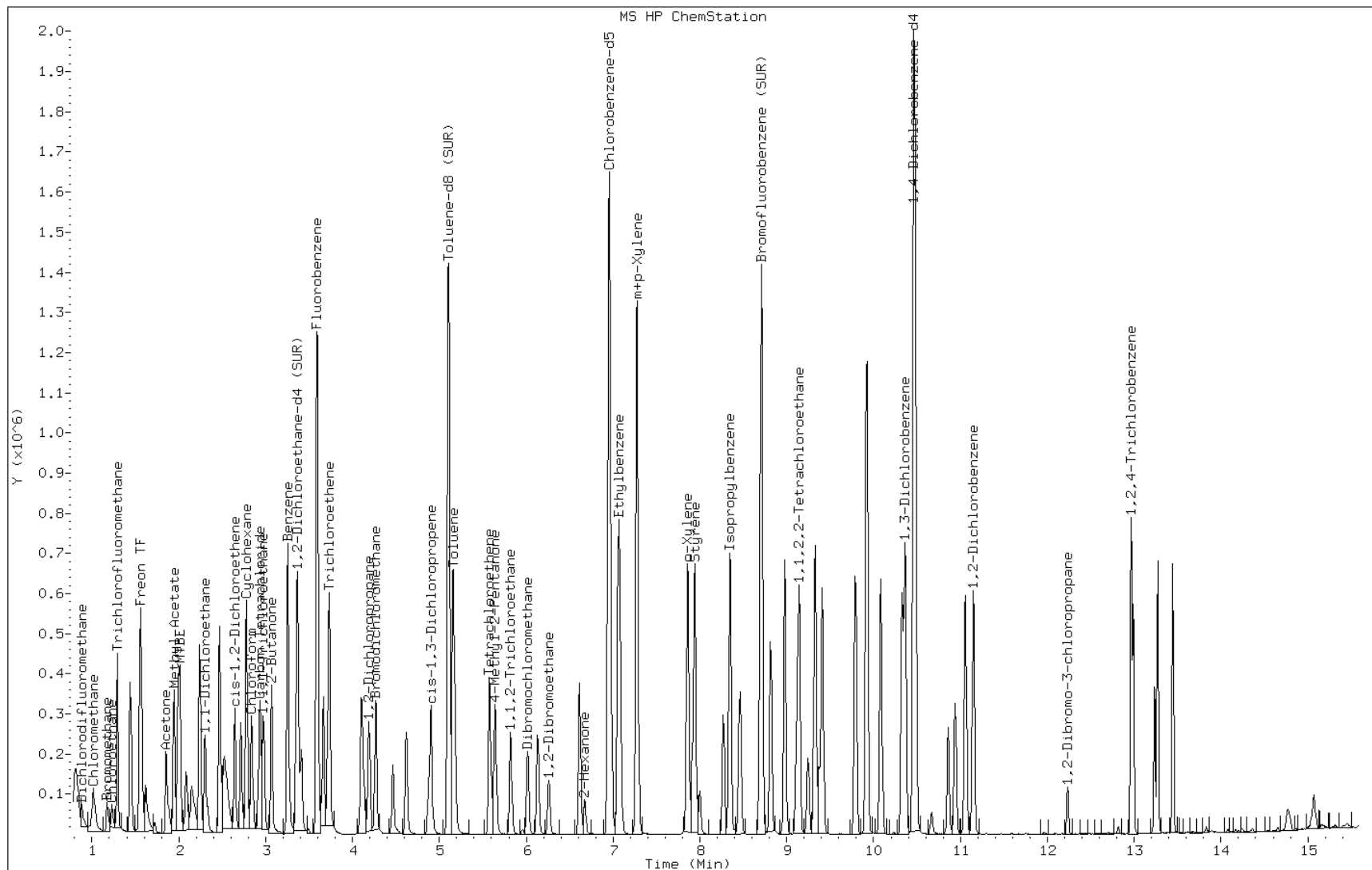
Date: 30-JUL-2012 04:34

Client ID:

Instrument: VOAMS5.i

Sample Info: ICIS-VMCAL3

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06003.d
 Report Date: 30-Jul-2012 08:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06003.d
 Lab Smp Id: IC-VMCAL4
 Inj Date : 30-JUL-2012 06:31
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL4
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/8260DE_09.m
 Meth Date : 30-Jul-2012 08:09 audberto Quant Type: ISTD
 Cal Date : 30-JUL-2012 04:34 Cal File: e05999.d
 Als bottle: 6 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

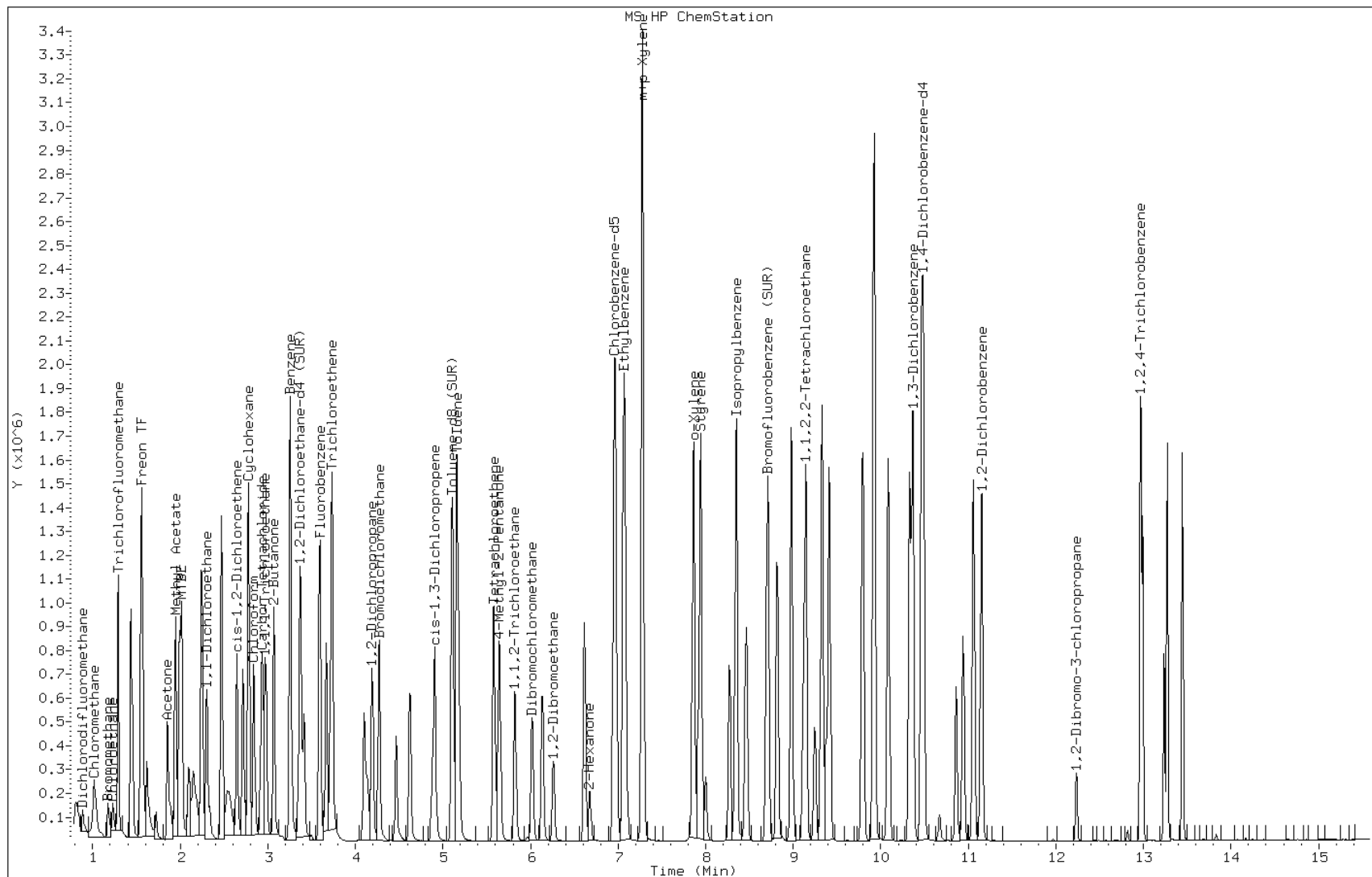
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	211241	50.0000	45
3 Chloromethane	50	1.010	1.010	(0.281)	243575	50.0000	39
4 Vinyl Chloride	62	1.016	1.016	(0.283)	237732	50.0000	42
6 Bromomethane	94	1.175	1.175	(0.327)	142846	50.0000	36
5 Chloroethane	64	1.230	1.230	(0.342)	139630	50.0000	43
7 Trichlorofluoromethane	101	1.291	1.291	(0.359)	329646	50.0000	43
14 Freon TF	101	1.565	1.565	(0.435)	221217	50.0000	46
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	193061	50.0000	45
16 Acetone	58	1.888	1.888	(0.525)	18138	50.0000	63
18 Carbon Disulfide	76	1.559	1.559	(0.434)	694746	50.0000	44
27 Methyl Acetate	74	1.955	1.955	(0.544)	41363	50.0000	34
22 Methylene Chloride	49	1.852	1.852	(0.515)	292024	50.0000	37
28 MTBE	73	2.016	2.016	(0.561)	759073	50.0000	39
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	256962	50.0000	44
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	463734	50.0000	42
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	281390	50.0000	40

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06003.d
 Report Date: 30-Jul-2012 08:09

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	40129	50.0000	69
42 Chloroform	83	2.839	2.839	(0.790)	468560	50.0000	41
44 Cyclohexane	56	2.778	2.778	(0.773)	378069	50.0000	46
43 1,1,1-Trichloroethane	97	2.973	2.973	(0.827)	437845	50.0000	46
45 Carbon Tetrachloride	117	2.924	2.924	(0.813)	371698	50.0000	48
48 Benzene	78	3.254	3.254	(0.468)	1027803	50.0000	42
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	270789	50.0000	46
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	358272	50.0000	40
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	1100022	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	274868	50.0000	42
56 Methyl cyclohexane	83	3.723	3.723	(1.036)	394801	50.0000	45
57 1,2-Dichloropropane	63	4.193	4.193	(1.166)	249137	50.0000	39
68 Bromodichloromethane	83	4.272	4.272	(1.188)	363631	50.0000	40
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	462654	50.0000	40
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	210058	50.0000	70
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1030729	50.0000	46
66 Toluene	91	5.162	5.162	(0.742)	1246457	50.0000	39
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	439490	50.0000	40
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	185524	50.0000	39
71 Tetrachloroethene	166	5.582	5.582	(0.803)	372062	50.0000	46
73 2-Hexanone	43	6.674	6.674	(0.960)	170678	50.0000	69
74 Dibromochloromethane	129	6.015	6.015	(0.865)	321766	50.0000	41
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	260335	50.0000	40
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	973714	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	877992	50.0000	40
81 Ethylbenzene	106	7.064	7.064	(1.016)	463009	50.0000	43
82 m+p-Xylene	106	7.277	7.277	(1.046)	1181386	100.000	84
84 o-Xylene	106	7.863	7.863	(1.131)	576435	50.0000	41
85 Styrene	104	7.942	7.942	(1.142)	1002891	50.0000	41
86 Bromoform	173	7.917	7.917	(1.139)	251106	50.0000	42
88 Isopropylbenzene	105	8.350	8.350	(1.201)	1515368	50.0000	44
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	534735	50.0000	47
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	302836	50.0000	39
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	823103	50.0000	40
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	643934	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	842480	50.0000	40
111 1,2-Dichlorobenzene	146	11.155	11.155	(1.066)	786615	50.0000	39
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	60419	50.0000	40
114 1,2,4-Trichlorobenzene	180	12.965	12.965	(1.239)	516470	50.0000	38
M 120 1,2-Dichloroethene (Total)	100				538353	100.000	84
M 121 Xylene (Total)	100				1757821	150.000	120

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06004.d
 Report Date: 30-Jul-2012 08:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06004.d
 Lab Smp Id: IC-VMCAL5
 Inj Date : 30-JUL-2012 06:55
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL5
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/8260DE_09.m
 Meth Date : 30-Jul-2012 08:09 audberto Quant Type: ISTD
 Cal Date : 30-JUL-2012 04:34 Cal File: e05999.d
 Als bottle: 7 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.882	0.882	(0.245)	870973	200.000	170
3 Chloromethane	50	1.010	1.010	(0.281)	998398	200.000	150
4 Vinyl Chloride	62	1.016	1.016	(0.283)	1003097	200.000	170
6 Bromomethane	94	1.169	1.169	(0.325)	659809	200.000	160
5 Chloroethane	64	1.230	1.230	(0.342)	502111	200.000	150
7 Trichlorofluoromethane	101	1.290	1.290	(0.359)	1455631	200.000	180
14 Freon TF	101	1.571	1.571	(0.437)	968145	200.000	190
15 1,1-Dichloroethene	96	1.540	1.540	(0.428)	813938	200.000	180
16 Acetone	58	1.888	1.888	(0.525)	70964	200.000	220
18 Carbon Disulfide	76	1.559	1.559	(0.434)	3053172	200.000	180
27 Methyl Acetate	74	1.955	1.955	(0.544)	172852	200.000	140
22 Methylene Chloride	49	1.851	1.851	(0.515)	1199330	200.000	150
28 MTBE	73	2.016	2.016	(0.561)	3184205	200.000	160
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	1061862	200.000	170
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	1965151	200.000	170
36 cis-1,2-Dichloroethene	96	2.644	2.644	(0.735)	1183272	200.000	160

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06004.d
 Report Date: 30-Jul-2012 08:09

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	177965	200.000	260
42 Chloroform	83	2.839	2.839	(0.790)	2018823	200.000	170
44 Cyclohexane	56	2.784	2.784	(0.774)	1669818	200.000	190
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	2044636	200.000	200
45 Carbon Tetrachloride	117	2.930	2.930	(0.815)	1774089	200.000	210
48 Benzene	78	3.260	3.260	(0.468)	4556000	200.000	180
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	298107	50.0000	46
49 1,2-Dichloroethane	62	3.418	3.418	(0.951)	1561229	200.000	160
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	1217135	50.0000	
54 Trichloroethene	95	3.741	3.741	(1.041)	1234971	200.000	180
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	1714426	200.000	180
57 1,2-Dichloropropane	63	4.198	4.198	(1.168)	1120199	200.000	160
68 Bromodichloromethane	83	4.272	4.272	(1.188)	1678657	200.000	170
67 cis-1,3-Dichloropropene	75	4.912	4.912	(0.706)	2047840	200.000	170
70 4-Methyl-2-Pentanone	43	5.631	5.631	(0.809)	876422	200.000	250
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1115982	50.0000	47
66 Toluene	91	5.162	5.162	(0.742)	5383311	200.000	160
64 trans-1,3-Dichloropropene	75	5.656	5.656	(0.813)	1962714	200.000	170
69 1,1,2-Trichloroethane	83	5.826	5.826	(0.837)	817491	200.000	170
71 Tetrachloroethene	166	5.582	5.582	(0.802)	1644213	200.000	190
73 2-Hexanone	43	6.680	6.680	(0.960)	665483	200.000	240
74 Dibromochloromethane	129	6.021	6.021	(0.865)	1468718	200.000	180
77 1,2-Dibromoethane	107	6.265	6.265	(0.900)	1135623	200.000	170
* 78 Chlorobenzene-d5	117	6.960	6.960	(1.000)	1051458	50.0000	
79 Chlorobenzene	112	6.985	6.985	(1.004)	3793436	200.000	170
81 Ethylbenzene	106	7.076	7.076	(1.017)	2016539	200.000	180
82 m+p-Xylene	106	7.289	7.289	(1.047)	5072537	400.000	350
84 o-Xylene	106	7.868	7.868	(1.131)	2465208	200.000	170
85 Styrene	104	7.954	7.954	(1.143)	4289333	200.000	170
86 Bromoform	173	7.923	7.923	(1.138)	1123360	200.000	180
88 Isopropylbenzene	105	8.362	8.362	(1.201)	6500969	200.000	180
\$ 89 Bromofluorobenzene (SUR)	174	8.716	8.716	(0.832)	567000	50.0000	48
92 1,1,2,2-Tetrachloroethane	83	9.118	9.118	(0.870)	1277863	200.000	160
105 1,3-Dichlorobenzene	146	10.344	10.344	(0.987)	3396759	200.000	170
* 108 1,4-Dichlorobenzene-d4	152	10.478	10.478	(1.000)	660686	50.0000	
109 1,4-Dichlorobenzene	146	10.502	10.502	(1.002)	3444405	200.000	160
111 1,2-Dichlorobenzene	146	11.161	11.161	(1.065)	3145235	200.000	160
112 1,2-Dibromo-3-chloropropane	75	12.233	12.233	(1.168)	248994	200.000	160
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.238)	2077418	200.000	160
M 120 1,2-Dichloroethene (Total)	100				2245134	400.000	330
M 121 Xylene (Total)	100				7537746	600.000	520

Data File: e06004.d

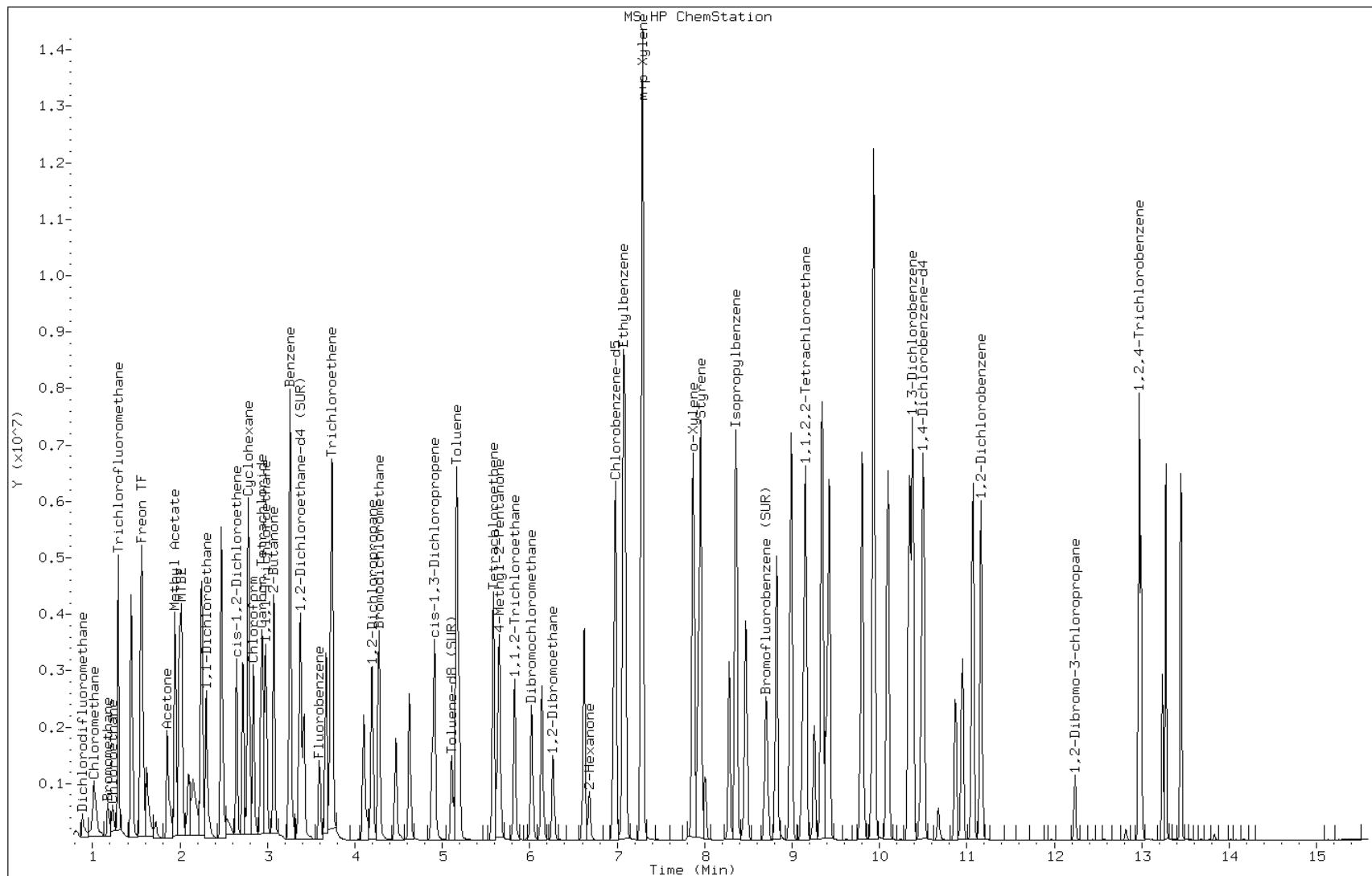
Date: 30-JUL-2012 06:55

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL5

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06005.d
 Report Date: 30-Jul-2012 08:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06005.d
 Lab Smp Id: IC-VMCAL6
 Inj Date : 30-JUL-2012 07:18
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL6
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/8260DE_09.m
 Meth Date : 30-Jul-2012 08:09 audberto Quant Type: ISTD
 Cal Date : 30-JUL-2012 04:34 Cal File: e05999.d
 Als bottle: 8 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====		=====	=====
2 Dichlorodifluoromethane	85	0.882	0.882	(0.245)	2256759		500.000	470
3 Chloromethane	50	1.004	1.004	(0.279)	2549064		500.000	410
4 Vinyl Chloride	62	1.016	1.016	(0.282)	2469106		500.000	440
6 Bromomethane	94	1.169	1.169	(0.324)	1768011		500.000	450
5 Chloroethane	64	1.229	1.229	(0.341)	1097009		500.000	350
7 Trichlorofluoromethane	101	1.290	1.290	(0.358)	3915749		500.000	490
14 Freon TF	101	1.565	1.565	(0.435)	2507426		500.000	500
15 1,1-Dichloroethene	96	1.546	1.546	(0.429)	2061904		500.000	470
16 Acetone	58	1.888	1.888	(0.524)	181056		500.000	560(A)
18 Carbon Disulfide	76	1.559	1.559	(0.433)	7883994		500.000	480
27 Methyl Acetate	74	1.955	1.955	(0.543)	429090		500.000	380
22 Methylene Chloride	49	1.851	1.851	(0.514)	2829076		500.000	380
28 MTBE	73	2.016	2.016	(0.560)	7977208		500.000	420
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	2605203		500.000	440
30 1,1-Dichloroethane	63	2.302	2.302	(0.639)	4676860		500.000	420
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.736)	2902503		500.000	420

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06005.d
 Report Date: 30-Jul-2012 08:09

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.077	3.077	(0.854)	459172	500.000	650(A)
42 Chloroform	83	2.839	2.839	(0.788)	4905994	500.000	430
44 Cyclohexane	56	2.790	2.790	(0.775)	4315008	500.000	500
43 1,1,1-Trichloroethane	97	2.985	2.985	(0.829)	4957303	500.000	490
45 Carbon Tetrachloride	117	2.936	2.936	(0.815)	4302287	500.000	510(A)
48 Benzene	78	3.266	3.266	(0.468)	11165056	500.000	430
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.934)	303998	50.0000	49
49 1,2-Dichloroethane	62	3.424	3.424	(0.951)	3812202	500.000	430
* 52 Fluorobenzene	96	3.601	3.601	(1.000)	1180645	50.0000	
54 Trichloroethene	95	3.747	3.747	(1.041)	3115953	500.000	460
56 Methyl cyclohexane	83	3.735	3.735	(1.037)	4490325	500.000	490
57 1,2-Dichloropropane	63	4.204	4.204	(1.168)	2829221	500.000	440
68 Bromodichloromethane	83	4.278	4.278	(1.188)	4223308	500.000	460
67 cis-1,3-Dichloropropene	75	4.924	4.924	(0.706)	5261643	500.000	440
70 4-Methyl-2-Pentanone	43	5.643	5.643	(0.809)	2480653	500.000	650(A)
\$ 65 Toluene-d8 (SUR)	98	5.113	5.113	(0.733)	1145394	50.0000	47
66 Toluene	91	5.174	5.174	(0.742)	13481258	500.000	410
64 trans-1,3-Dichloropropene	75	5.668	5.668	(0.813)	5121364	500.000	450
69 1,1,2-Trichloroethane	83	5.838	5.838	(0.837)	2156286	500.000	440
71 Tetrachloroethene	166	5.594	5.594	(0.802)	4161793	500.000	470
73 2-Hexanone	43	6.692	6.692	(0.960)	1888405	500.000	620(A)
74 Dibromochloromethane	129	6.027	6.027	(0.864)	3917288	500.000	460
77 1,2-Dibromoethane	107	6.277	6.277	(0.900)	2990968	500.000	430
* 78 Chlorobenzene-d5	117	6.972	6.972	(1.000)	1087924	50.0000	
79 Chlorobenzene	112	6.997	6.997	(1.003)	9919221	500.000	430
81 Ethylbenzene	106	7.094	7.094	(1.017)	5376778	500.000	470
82 m+p-Xylene	106	7.314	7.314	(1.049)	13357264	1000.00	900
84 o-Xylene	106	7.887	7.887	(1.131)	6569521	500.000	440
85 Styrene	104	7.972	7.972	(1.143)	11433457	500.000	440
86 Bromoform	173	7.942	7.942	(1.139)	3076038	500.000	480
88 Isopropylbenzene	105	8.380	8.380	(1.202)	17025634	500.000	460(A)
\$ 89 Bromofluorobenzene (SUR)	174	8.728	8.728	(0.832)	604941	50.0000	51
92 1,1,2,2-Tetrachloroethane	83	9.136	9.136	(0.870)	3345146	500.000	440
105 1,3-Dichlorobenzene	146	10.368	10.368	(0.988)	8525851	500.000	430
* 108 1,4-Dichlorobenzene-d4	152	10.496	10.496	(1.000)	666560	50.0000	
109 1,4-Dichlorobenzene	146	10.526	10.526	(1.003)	8728817	500.000	430
111 1,2-Dichlorobenzene	146	11.185	11.185	(1.066)	8023833	500.000	420
112 1,2-Dibromo-3-chloropropane	75	12.239	12.239	(1.166)	655872	500.000	440
114 1,2,4-Trichlorobenzene	180	12.977	12.977	(1.236)	5180465	500.000	400
M 120 1,2-Dichloroethene (Total)	100				5507706	1000.00	860
M 121 Xylene (Total)	100				19926786	1500.00	1300

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: e06005.d

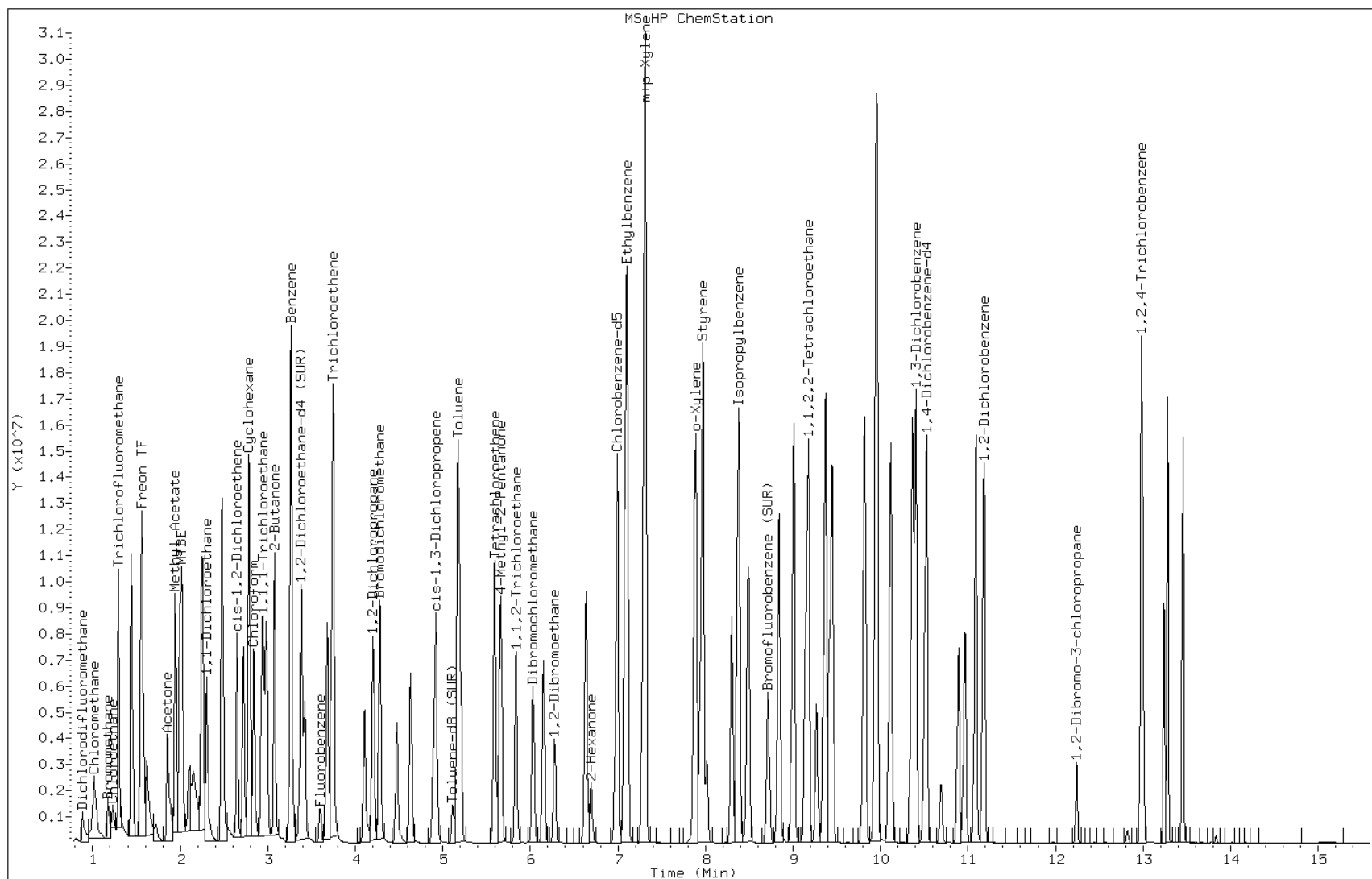
Date: 30-JUL-2012 07:18

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL6

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06009.d
 Report Date: 30-Jul-2012 09:22

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06009.d
 Lab Smp Id: IC-VMCAL2
 Inj Date : 30-JUL-2012 08:52
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL2
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/8260DE_09.m
 Meth Date : 30-Jul-2012 09:22 audberto Quant Type: ISTD
 Cal Date : 30-JUL-2012 04:34 Cal File: e05999.d
 Als bottle: 12 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.882	0.882	(0.246)	20280	5.00000	5.4
3 Chloromethane	50	1.004	1.004	(0.280)	26589	5.00000	5.7
4 Vinyl Chloride	62	1.016	1.016	(0.283)	22777	5.00000	5.3
6 Bromomethane	94	1.169	1.169	(0.326)	16800	5.00000	5.5
5 Chloroethane	64	1.230	1.230	(0.343)	11019	5.00000	4.8
7 Trichlorofluoromethane	101	1.291	1.291	(0.360)	35048	5.00000	5.5
14 Freon TF	101	1.565	1.565	(0.436)	20077	5.00000	5.1
15 1,1-Dichloroethene	96	1.547	1.547	(0.431)	18173	5.00000	5.2
16 Acetone	58	1.882	1.882	(0.524)	5264	15.0000	17
18 Carbon Disulfide	76	1.559	1.559	(0.434)	63075	5.00000	5.0
27 Methyl Acetate	74	1.955	1.955	(0.545)	4100	5.00000	4.9
22 Methylene Chloride	49	1.851	1.851	(0.516)	31076	5.00000	5.4
28 MTBE	73	2.010	2.010	(0.560)	72216	5.00000	5.0
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.541)	23561	5.00000	5.2
30 1,1-Dichloroethane	63	2.303	2.303	(0.642)	43439	5.00000	5.2
36 cis-1,2-Dichloroethene	96	2.644	2.644	(0.737)	28432	5.00000	5.4

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06009.d
 Report Date: 30-Jul-2012 09:22

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.065	3.065	(0.854)	8693	15.0000	13
42 Chloroform	83	2.839	2.839	(0.791)	43067	5.00000	5.0
44 Cyclohexane	56	2.778	2.778	(0.774)	34115	5.00000	5.1
43 1,1,1-Trichloroethane	97	2.973	2.973	(0.828)	38117	5.00000	4.8
45 Carbon Tetrachloride	117	2.924	2.924	(0.815)	32006	5.00000	4.8
48 Benzene	78	3.254	3.254	(0.468)	99494	5.00000	5.1
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.935)	265951	50.0000	50
49 1,2-Dichloroethane	62	3.412	3.412	(0.951)	34217	5.00000	5.1
* 52 Fluorobenzene	96	3.589	3.589	(1.000)	1060480	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.041)	26990	5.00000	5.1
56 Methyl cyclohexane	83	3.723	3.723	(1.037)	37488	5.00000	5.2
57 1,2-Dichloropropane	63	4.192	4.192	(1.168)	24780	5.00000	5.2
68 Bromodichloromethane	83	4.272	4.272	(1.190)	35768	5.00000	5.1
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	44974	5.00000	5.0
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	58156	15.0000	16
\$ 65 Toluene-d8 (SUR)	98	5.101	5.101	(0.733)	992105	50.0000	49
66 Toluene	91	5.156	5.156	(0.741)	128598	5.00000	5.3
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	41892	5.00000	5.0
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	18681	5.00000	5.1
71 Tetrachloroethene	166	5.582	5.582	(0.803)	35946	5.00000	5.2
73 2-Hexanone	43	6.674	6.674	(0.960)	46154	15.0000	16
74 Dibromochloromethane	129	6.015	6.015	(0.865)	30064	5.00000	5.0
77 1,2-Dibromoethane	107	6.265	6.265	(0.901)	25229	5.00000	5.1
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	943207	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	88593	5.00000	5.2
81 Ethylbenzene	106	7.064	7.064	(1.016)	44833	5.00000	5.1
82 m+p-Xylene	106	7.277	7.277	(1.046)	117232	10.0000	10
84 o-Xylene	106	7.856	7.856	(1.130)	58333	5.00000	5.3
85 Styrene	104	7.942	7.942	(1.142)	100962	5.00000	5.3
86 Bromoform	173	7.917	7.917	(1.139)	22459	5.00000	4.7
88 Isopropylbenzene	105	8.344	8.344	(1.200)	150903	5.00000	5.4
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	524406	50.0000	47
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	30069	5.00000	4.9
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	88060	5.00000	5.3
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	646539	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	91871	5.00000	5.4
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	85847	5.00000	5.4
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	6292	5.00000	5.2
114 1,2,4-Trichlorobenzene	180	12.965	12.965	(1.239)	62751	5.00000	5.7
M 120 1,2-Dichloroethene (Total)	100				51994	10.0000	10
M 121 Xylene (Total)	100				175566	15.0000	16

Data File: e06009.d

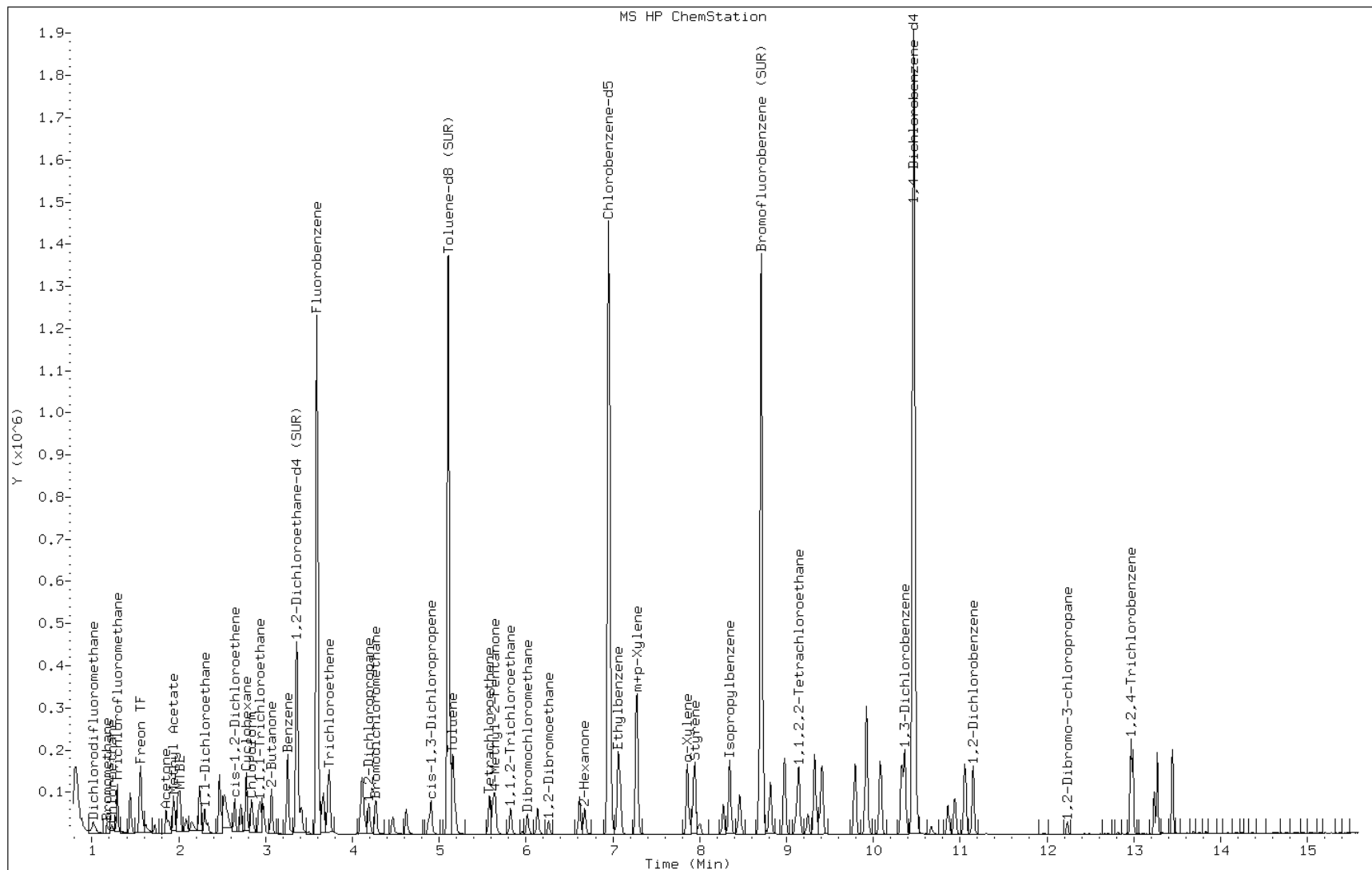
Date: 30-JUL-2012 08:52

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL2

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06010.d
 Report Date: 30-Jul-2012 10:12

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06010.d
 Lab Smp Id: IC-VMCAL1
 Inj Date : 30-JUL-2012 09:39
 Operator : GC/MS VOAMS5
 Smp Info : IC-VMCAL1
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/8260DE_09.m
 Meth Date : 30-Jul-2012 10:12 audberto Quant Type: ISTD
 Cal Date : 30-JUL-2012 04:34 Cal File: e05999.d
 Als bottle: 14 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.882	0.882	(0.246)	4521	1.00000	1.1
3 Chloromethane	50	1.004	1.004	(0.280)	5390	1.00000	1.1
4 Vinyl Chloride	62	1.016	1.016	(0.283)	4834	1.00000	1.1
6 Bromomethane	94	1.169	1.169	(0.326)	2815	1.00000	0.94(a)
5 Chloroethane	64	1.224	1.224	(0.341)	2741	1.00000	1.2
7 Trichlorofluoromethane	101	1.291	1.291	(0.360)	6729	1.00000	1.00
14 Freon TF	101	1.559	1.559	(0.434)	4356	1.00000	1.0
15 1,1-Dichloroethene	96	1.541	1.541	(0.429)	3896	1.00000	1.1
16 Acetone	58	1.882	1.882	(0.524)	2264	5.00000	6.4
18 Carbon Disulfide	76	1.553	1.553	(0.433)	14162	1.00000	1.1
27 Methyl Acetate	74	1.955	1.955	(0.545)	820	1.00000	1.0
22 Methylene Chloride	49	1.851	1.851	(0.516)	6127	1.00000	1.1
28 MTBE	73	2.016	2.016	(0.562)	14777	1.00000	1.0
25 trans-1,2-Dichloroethene	96	1.937	1.937	(0.540)	4755	1.00000	1.0
30 1,1-Dichloroethane	63	2.296	2.296	(0.640)	8661	1.00000	1.0
36 cis-1,2-Dichloroethene	96	2.644	2.644	(0.737)	5771	1.00000	1.1

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e06010.d
 Report Date: 30-Jul-2012 10:12

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.065	3.065	(0.854)	3191	5.00000	4.4(a)
42 Chloroform	83	2.833	2.833	(0.789)	8926	1.00000	1.0
44 Cyclohexane	56	2.778	2.778	(0.774)	7363	1.00000	1.0
43 1,1,1-Trichloroethane	97	2.973	2.973	(0.828)	8005	1.00000	0.97(a)
45 Carbon Tetrachloride	117	2.924	2.924	(0.815)	6563	1.00000	0.94(a)
48 Benzene	78	3.254	3.254	(0.468)	19591	1.00000	0.98(a)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.935)	269068	50.0000	52
49 1,2-Dichloroethane	62	3.406	3.406	(0.949)	6602	1.00000	0.99(a)
* 52 Fluorobenzene	96	3.589	3.589	(1.000)	1051011	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.041)	5643	1.00000	1.0
56 Methyl cyclohexane	83	3.723	3.723	(1.037)	8779	1.00000	1.1
57 1,2-Dichloropropane	63	4.192	4.192	(1.168)	4685	1.00000	0.97(a)
68 Bromodichloromethane	83	4.272	4.272	(1.190)	6930	1.00000	0.98(a)
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.706)	8272	1.00000	0.92(a)
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.810)	21838	5.00000	5.3
\$ 65 Toluene-d8 (SUR)	98	5.101	5.101	(0.734)	1001346	50.0000	50
66 Toluene	91	5.156	5.156	(0.742)	28884	1.00000	1.1
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.813)	8041	1.00000	0.94(a)
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.838)	3725	1.00000	1.0
71 Tetrachloroethene	166	5.576	5.576	(0.803)	7335	1.00000	1.0
73 2-Hexanone	43	6.680	6.680	(0.961)	18030	5.00000	5.5
74 Dibromochloromethane	129	6.015	6.015	(0.866)	5482	1.00000	0.89(a)
77 1,2-Dibromoethane	107	6.259	6.259	(0.901)	4875	1.00000	0.96(a)
* 78 Chlorobenzene-d5	117	6.948	6.948	(1.000)	952162	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.004)	17405	1.00000	1.0
81 Ethylbenzene	106	7.064	7.064	(1.017)	8845	1.00000	0.98(a)
82 m+p-Xylene	106	7.277	7.277	(1.047)	22972	2.00000	2.0
84 o-Xylene	106	7.862	7.862	(1.132)	11729	1.00000	1.0
85 Styrene	104	7.942	7.942	(1.143)	19932	1.00000	1.0
86 Bromoform	173	7.911	7.911	(1.139)	4054	1.00000	0.85(a)
88 Isopropylbenzene	105	8.344	8.344	(1.201)	28891	1.00000	0.98(a)
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	536535	50.0000	48
92 1,1,2,2-Tetrachloroethane	83	9.106	9.106	(0.870)	6402	1.00000	1.0
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	18497	1.00000	1.1
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	658475	50.0000	
109 1,4-Dichlorobenzene	146	10.484	10.484	(1.002)	19205	1.00000	1.1
111 1,2-Dichlorobenzene	146	11.155	11.155	(1.066)	17354	1.00000	1.0
112 1,2-Dibromo-3-chloropropane	75	12.240	12.240	(1.169)	1334	1.00000	1.0
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	13742	1.00000	1.2
M 120 1,2-Dichloroethene (Total)	100				10527	2.00000	2.1
M 121 Xylene (Total)	100				34702	3.00000	3.0

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Data File: e06010.d

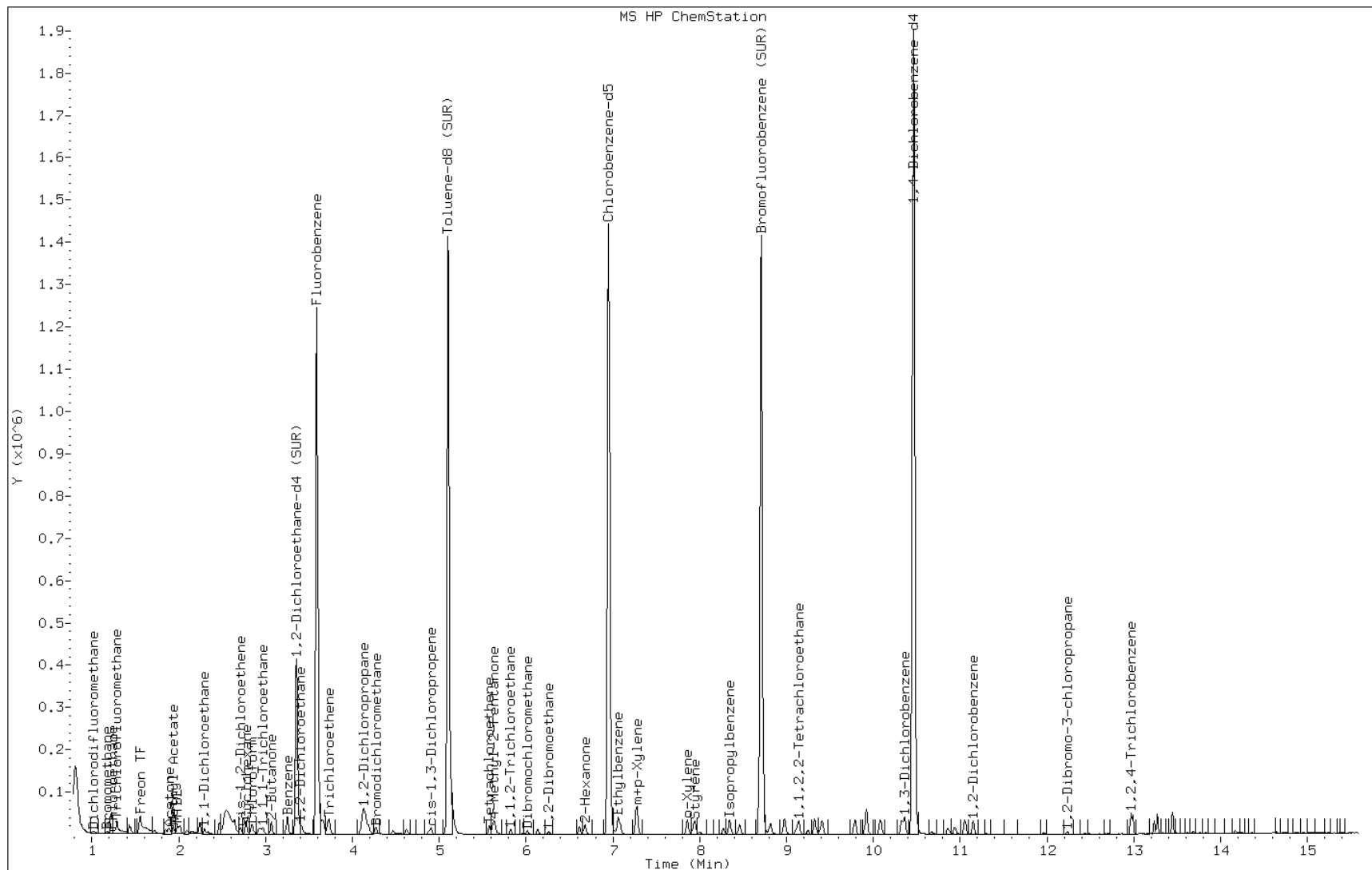
Date: 30-JUL-2012 09:39

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VMCAL1

Operator: GC/MS VOAMS5



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Lab Sample ID: CCVIS 460-123484/2 Calibration Date: 08/10/2012 08:32

Instrument ID: VOAMS5 Calib Start Date: 07/30/2012 04:34

GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 07/30/2012 09:39

Lab File ID: e06551.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1931	0.2108	0.1000	21.8	20.0	9.2	25.0
Chloromethane	Ave	0.2297	0.2363	0.1000	20.6	20.0	2.9	25.0
Vinyl chloride	Ave	0.2158	0.2207	0.1000	20.5	20.0	2.3	25.0
Bromomethane	Ave	0.1418	0.1616	0.1000	22.8	20.0	13.9	25.0
Chloroethane	Ave	0.1124	0.1231	0.1000	21.9	20.0	9.5	25.0
Trichlorofluoromethane	Ave	0.3212	0.3990	0.1000	24.8	20.0	24.2	25.0
1,1-Dichloroethene	Ave	0.1735	0.1598	0.1000	18.4	20.0	-7.9	25.0
Carbon disulfide	Ave	0.6165	0.4666	0.1000	15.1	20.0	-24.3	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1980	0.1962	0.1000	19.8	20.0	-0.9	25.0
Methylene Chloride	Ave	0.2678	0.2710	0.1000	20.2	20.0	1.2	25.0
Acetone	Ave	0.0169	0.0206*	0.1000	24.3	20.0	21.7	25.0
trans-1,2-Dichloroethene	Ave	0.2214	0.2070	0.1000	18.7	20.0	-6.5	25.0
Methyl acetate	Ave	0.0385	0.0357*	0.1000	18.5	20.0	-7.3	25.0
Methyl tert-butyl ether	Ave	0.6820	0.6527	0.1000	19.1	20.0	-4.3	25.0
1,1-Dichloroethane	Ave	0.4073	0.4308	0.1000	21.2	20.0	5.8	25.0
cis-1,2-Dichloroethene	Ave	0.2558	0.2490	0.1000	19.5	20.0	-2.6	25.0
Cyclohexane	Ave	0.3402	0.2853	0.1000	16.8	20.0	-16.1	25.0
Chloroform	Ave	0.4173	0.4385	0.1000	21.0	20.0	5.1	25.0
Carbon tetrachloride	Ave	0.3333	0.3309	0.1000	19.9	20.0	-0.7	25.0
1,1,1-Trichloroethane	Ave	0.3933	0.4002	0.1000	20.4	20.0	1.8	25.0
2-Butanone (MEK)	Ave	0.0343	0.0360*	0.1000	21.0	20.0	4.9	25.0
Benzene	Ave	1.046	0.9872	0.1000	18.9	20.0	-5.6	25.0
1,2-Dichloroethane	Ave	0.3180	0.3493	0.1000	22.0	20.0	9.9	25.0
Methylcyclohexane	Ave	0.3670	0.2891	0.1000	15.7	20.0	-21.2	25.0
Trichloroethene	Ave	0.2556	0.2265	0.1000	17.7	20.0	-11.4	25.0
1,2-Dichloropropane	Ave	0.2295	0.2048	0.1000	17.9	20.0	-10.7	25.0
Dichlorobromomethane	Ave	0.3375	0.3234	0.1000	19.2	20.0	-4.2	25.0
cis-1,3-Dichloropropene	Ave	0.4710	0.4500	0.1000	19.1	20.0	-4.5	25.0
Toluene	Ave	1.325	1.221	0.1000	18.4	20.0	-7.8	25.0
Tetrachloroethene	Ave	0.3828	0.3470	0.1000	18.1	20.0	-9.4	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2168	0.1862	0.1000	17.2	20.0	-14.1	25.0
trans-1,3-Dichloropropene	Ave	0.4491	0.4251	0.1000	18.9	20.0	-5.3	25.0
1,1,2-Trichloroethane	Ave	0.1950	0.1818	0.1000	18.6	20.0	-6.8	25.0
Chlorodibromomethane	Ave	0.3228	0.3090	0.1000	19.1	20.0	-4.3	25.0
1,2-Dibromoethane	Ave	0.2661	0.2419	0.1000	18.2	20.0	-9.1	25.0
2-Hexanone	Ave	0.1724	0.1605	0.1000	18.6	20.0	-7.0	25.0
Chlorobenzene	Ave	0.9121	0.8764	0.1000	19.2	20.0	-3.9	25.0
Ethylbenzene	Ave	0.4762	0.4551	0.1000	19.1	20.0	-4.4	25.0
m-Xylene & p-Xylene	Ave	0.6079	0.5843	0.1000	38.4	40.0	-3.9	25.0
o-Xylene	Ave	0.6012	0.5742	0.1000	19.1	20.0	-4.5	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-123484/2 Calibration Date: 08/10/2012 08:32
 Instrument ID: VOAMS5 Calib Start Date: 07/30/2012 04:34
 GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 07/30/2012 09:39
 Lab File ID: e06551.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromoform	Ave	0.2514	0.2244	0.1000	17.9	20.0	-10.7	25.0
Styrene	Ave	1.039	1.001	0.1000	19.3	20.0	-3.7	25.0
Isopropylbenzene	Ave	1.554	1.559	0.1000	20.1	20.0	0.3	25.0
1,1,2,2-Tetrachloroethane	Ave	0.4801	0.4392	0.1000	18.3	20.0	-8.5	25.0
1,3-Dichlorobenzene	Ave	1.316	1.333	0.1000	20.3	20.0	1.3	25.0
1,4-Dichlorobenzene	Ave	1.354	1.381	0.1000	20.4	20.0	2.0	25.0
1,2-Dichlorobenzene	Ave	1.249	1.263	0.1000	20.2	20.0	1.1	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0961	0.0889*	0.1000	18.5	20.0	-7.4	25.0
1,2,4-Trichlorobenzene	Ave	0.8665	0.8003	0.1000	18.5	20.0	-7.6	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2484	0.2846	0.1000	57.3	50.0	14.5	25.0
Toluene-d8 (Surr)	Ave	1.056	1.167	0.1000	55.3	50.0	10.5	25.0
4-Bromofluorobenzene	Ave	0.8423	0.8756	0.1000	52.0	50.0	4.0	25.0

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06551.d
 Report Date: 10-Aug-2012 09:14

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06551.d
 Lab Smp Id: CCVIS
 Inj Date : 10-AUG-2012 08:32
 Operator : GC/MS VOAMS5
 Smp Info : CCVIS
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

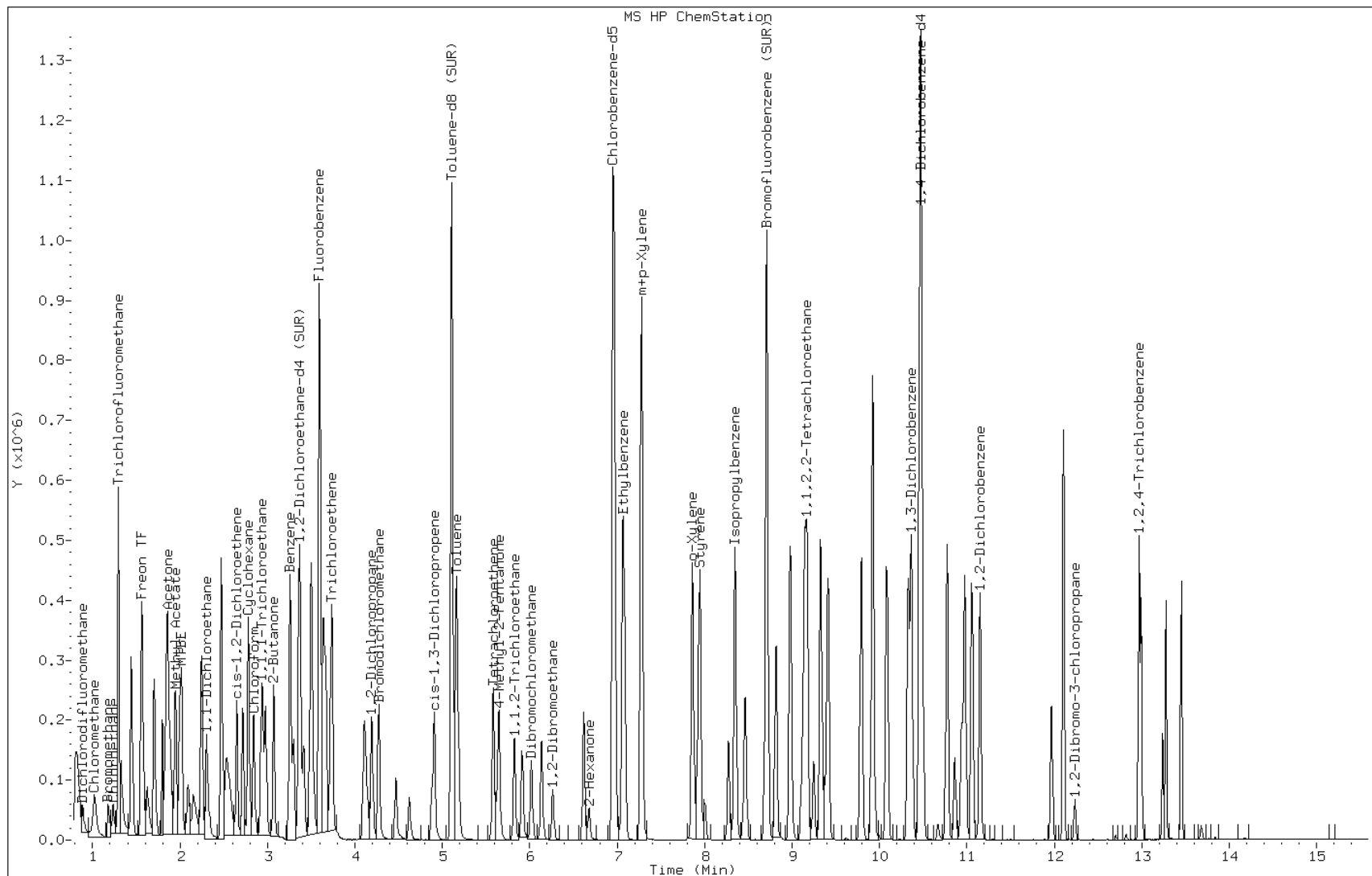
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	64854	20.0000	22
3 Chloromethane	50	1.010	1.010	(0.281)	72710	20.0000	20
4 Vinyl Chloride	62	1.022	1.022	(0.284)	67900	20.0000	20
6 Bromomethane	94	1.175	1.175	(0.327)	49719	20.0000	23
5 Chloroethane	64	1.236	1.236	(0.344)	37868	20.0000	22
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	122768	20.0000	25
14 Freon TF	101	1.571	1.571	(0.437)	60356	20.0000	20
15 1,1-Dichloroethene	96	1.553	1.553	(0.432)	49173	20.0000	18
16 Acetone	58	1.894	1.894	(0.527)	6329	20.0000	24
18 Carbon Disulfide	76	1.565	1.565	(0.435)	143543	20.0000	15
27 Methyl Acetate	74	1.961	1.961	(0.546)	10990	20.0000	18
22 Methylene Chloride	49	1.858	1.858	(0.517)	83363	20.0000	20
28 MTBE	73	2.016	2.016	(0.561)	200807	20.0000	19
25 trans-1,2-Dichloroethene	96	1.949	1.949	(0.542)	63699	20.0000	19
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	132535	20.0000	21
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	76622	20.0000	19

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06551.d
 Report Date: 10-Aug-2012 09:14

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	11073	20.0000	21
42 Chloroform	83	2.845	2.845	(0.791)	134910	20.0000	21
44 Cyclohexane	56	2.784	2.784	(0.774)	87778	20.0000	17
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	123142	20.0000	20
45 Carbon Tetrachloride	117	2.931	2.931	(0.815)	101794	20.0000	20
48 Benzene	78	3.260	3.260	(0.469)	260400	20.0000	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	218910	50.0000	57
49 1,2-Dichloroethane	62	3.418	3.418	(0.951)	107473	20.0000	22
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	769175	50.0000	
54 Trichloroethene	95	3.741	3.741	(1.041)	69690	20.0000	18
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	88932	20.0000	16
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	63021	20.0000	18
68 Bromodichloromethane	83	4.272	4.272	(1.188)	99498	20.0000	19
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	118694	20.0000	19
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	49105	20.0000	17
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	769534	50.0000	55
66 Toluene	91	5.162	5.162	(0.742)	322170	20.0000	18
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	112123	20.0000	19
69 1,1,2-Trichloroethane	83	5.826	5.826	(0.838)	47942	20.0000	19
71 Tetrachloroethene	166	5.582	5.582	(0.803)	91524	20.0000	18
73 2-Hexanone	43	6.680	6.680	(0.961)	42324	20.0000	19
74 Dibromochloromethane	129	6.015	6.015	(0.865)	81501	20.0000	19
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	63810	20.0000	18
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	659446	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	231179	20.0000	19
81 Ethylbenzene	106	7.064	7.064	(1.016)	120051	20.0000	19
82 m+p-Xylene	106	7.277	7.277	(1.046)	308229	40.0000	38
84 o-Xylene	106	7.862	7.862	(1.131)	151463	20.0000	19
85 Styrene	104	7.942	7.942	(1.142)	264010	20.0000	19
86 Bromoform	173	7.911	7.911	(1.138)	59198	20.0000	18
88 Isopropylbenzene	105	8.350	8.350	(1.201)	411156	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	363436	50.0000	52
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	72909	20.0000	18
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	221351	20.0000	20
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	415041	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	229279	20.0000	20
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	209653	20.0000	20
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	14762	20.0000	18
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	132855	20.0000	18
M 120 1,2-Dichloroethene (Total)	100				140321	40.0000	38
M 121 Xylene (Total)	100				459692	60.0000	58

Operator: GC/MS VOAMS5



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Lab Sample ID: CCV 460-123484/17 Calibration Date: 08/10/2012 19:01

Instrument ID: VOAMS5 Calib Start Date: 07/30/2012 04:34

GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 07/30/2012 09:39

Lab File ID: e06577.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1931	0.1914	0.1000	19.8	20.0	-0.9	25.0
Chloromethane	Ave	0.2297	0.2171	0.1000	18.9	20.0	-5.5	25.0
Vinyl chloride	Ave	0.2158	0.2096	0.1000	19.4	20.0	-2.9	25.0
Bromomethane	Ave	0.1418	0.1527	0.1000	21.5	20.0	7.7	25.0
Chloroethane	Ave	0.1124	0.1410	0.1000	25.1	20.0	25.4*	25.0
Trichlorofluoromethane	Ave	0.3212	0.3884	0.1000	24.2	20.0	20.9	25.0
1,1-Dichloroethene	Ave	0.1735	0.1528	0.1000	17.6	20.0	-11.9	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1980	0.1877	0.1000	19.0	20.0	-5.2	25.0
Carbon disulfide	Ave	0.6165	0.4702	0.1000	15.3	20.0	-23.7	25.0
Methylene Chloride	Ave	0.2678	0.2485	0.1000	18.6	20.0	-7.2	25.0
Acetone	Ave	0.0169	0.0180*	0.1000	21.3	20.0	6.3	25.0
trans-1,2-Dichloroethene	Ave	0.2214	0.1933	0.1000	17.5	20.0	-12.7	25.0
Methyl acetate	Ave	0.0385	0.0402*	0.1000	20.9	20.0	4.3	25.0
Methyl tert-butyl ether	Ave	0.6820	0.7077	0.1000	20.8	20.0	3.8	25.0
1,1-Dichloroethane	Ave	0.4073	0.4175	0.1000	20.5	20.0	2.5	25.0
cis-1,2-Dichloroethene	Ave	0.2558	0.2396	0.1000	18.7	20.0	-6.3	25.0
Cyclohexane	Ave	0.3402	0.2806	0.1000	16.5	20.0	-17.5	25.0
Chloroform	Ave	0.4173	0.4062	0.1000	19.5	20.0	-2.7	25.0
Carbon tetrachloride	Ave	0.3333	0.3067	0.1000	18.4	20.0	-8.0	25.0
1,1,1-Trichloroethane	Ave	0.3933	0.3613	0.1000	18.4	20.0	-8.1	25.0
2-Butanone (MEK)	Ave	0.0343	0.0360*	0.1000	21.0	20.0	4.9	25.0
Benzene	Ave	1.046	0.9709	0.1000	18.6	20.0	-7.2	25.0
1,2-Dichloroethane	Ave	0.3180	0.3190	0.1000	20.1	20.0	0.3	25.0
Methylcyclohexane	Ave	0.3670	0.2907	0.1000	15.8	20.0	-20.8	25.0
Trichloroethene	Ave	0.2556	0.2221	0.1000	17.4	20.0	-13.1	25.0
1,2-Dichloropropane	Ave	0.2295	0.2040	0.1000	17.8	20.0	-11.1	25.0
Dichlorobromomethane	Ave	0.3375	0.3149	0.1000	18.7	20.0	-6.7	25.0
cis-1,3-Dichloropropene	Ave	0.4710	0.4359	0.1000	18.5	20.0	-7.5	25.0
Toluene	Ave	1.325	1.191	0.1000	18.0	20.0	-10.1	25.0
Tetrachloroethene	Ave	0.3828	0.3284	0.1000	17.2	20.0	-14.2	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2168	0.2160	0.1000	19.9	20.0	-0.4	25.0
trans-1,3-Dichloropropene	Ave	0.4491	0.4184	0.1000	18.6	20.0	-6.8	25.0
1,1,2-Trichloroethane	Ave	0.1950	0.1893	0.1000	19.4	20.0	-2.9	25.0
Chlorodibromomethane	Ave	0.3228	0.3148	0.1000	19.5	20.0	-2.5	25.0
1,2-Dibromoethane	Ave	0.2661	0.2482	0.1000	18.7	20.0	-6.7	25.0
2-Hexanone	Ave	0.1724	0.1679	0.1000	19.5	20.0	-2.6	25.0
Chlorobenzene	Ave	0.9121	0.8347	0.1000	18.3	20.0	-8.5	25.0
Ethylbenzene	Ave	0.4762	0.4392	0.1000	18.4	20.0	-7.8	25.0
m-Xylene & p-Xylene	Ave	0.6079	0.5735	0.1000	37.7	40.0	-5.7	25.0
o-Xylene	Ave	0.6012	0.5617	0.1000	18.7	20.0	-6.6	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Lab Sample ID: CCV 460-123484/17 Calibration Date: 08/10/2012 19:01
 Instrument ID: VOAMS5 Calib Start Date: 07/30/2012 04:34
 GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 07/30/2012 09:39
 Lab File ID: e06577.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromoform	Ave	0.2514	0.2311	0.1000	18.4	20.0	-8.1	25.0
Styrene	Ave	1.039	0.9366	0.1000	18.0	20.0	-9.8	25.0
Isopropylbenzene	Ave	1.554	1.458	0.1000	18.8	20.0	-6.1	25.0
1,1,2,2-Tetrachloroethane	Ave	0.4801	0.4623	0.1000	19.3	20.0	-3.7	25.0
1,3-Dichlorobenzene	Ave	1.316	1.270	0.1000	19.3	20.0	-3.5	25.0
1,4-Dichlorobenzene	Ave	1.354	1.299	0.1000	19.2	20.0	-4.1	25.0
1,2-Dichlorobenzene	Ave	1.249	1.206	0.1000	19.3	20.0	-3.4	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0961	0.0917*	0.1000	19.1	20.0	-4.5	25.0
1,2,4-Trichlorobenzene	Ave	0.8665	0.7804	0.1000	18.0	20.0	-9.9	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2484	0.2908	0.1000	58.5	50.0	17.1	25.0
Toluene-d8 (Surr)	Ave	1.056	1.147	0.1000	54.3	50.0	8.6	25.0
4-Bromofluorobenzene	Ave	0.8423	0.8572	0.1000	50.9	50.0	1.8	25.0

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06577.d
 Report Date: 11-Aug-2012 04:35

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06577.d
 Lab Smp Id: CCV
 Inj Date : 10-AUG-2012 19:01
 Operator : GC/MS VOAMS5
 Smp Info : CCV
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 22:59 martinez
 Cal Date : 10-AUG-2012 19:01
 Als bottle: 27
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File: e06577.d
 Continuing Calibration Sample
 Compound Sublist: HSLDEL.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	70472	20.0000	20
3 Chloromethane	50	1.010	1.010	(0.281)	79919	20.0000	19
4 Vinyl Chloride	62	1.022	1.022	(0.284)	77175	20.0000	19
6 Bromomethane	94	1.175	1.175	(0.327)	56227	20.0000	22
5 Chloroethane	64	1.230	1.230	(0.342)	51926	20.0000	25
7 Trichlorofluoromethane	101	1.291	1.291	(0.359)	142994	20.0000	24
14 Freon TF	101	1.565	1.565	(0.435)	69097	20.0000	19
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	56256	20.0000	18
16 Acetone	58	1.888	1.888	(0.525)	6615	20.0000	21
18 Carbon Disulfide	76	1.565	1.565	(0.435)	173129	20.0000	15
27 Methyl Acetate	74	1.955	1.955	(0.544)	14798	20.0000	21
22 Methylene Chloride	49	1.858	1.858	(0.517)	91476	20.0000	18
28 MTBE	73	2.016	2.016	(0.561)	260561	20.0000	21
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	71185	20.0000	17
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	153714	20.0000	20
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	88221	20.0000	19

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06577.d
 Report Date: 11-Aug-2012 04:35

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	13247	20.0000	21
42 Chloroform	83	2.839	2.839	(0.790)	149562	20.0000	19
44 Cyclohexane	56	2.778	2.778	(0.773)	103325	20.0000	16
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	133034	20.0000	18
45 Carbon Tetrachloride	117	2.931	2.931	(0.815)	112935	20.0000	18
48 Benzene	78	3.254	3.254	(0.468)	301278	20.0000	18
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	267738	50.0000	58
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	117469	20.0000	20
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	920479	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	81779	20.0000	17
56 Methyl cyclohexane	83	3.723	3.723	(1.036)	107033	20.0000	16
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	75121	20.0000	18
68 Bromodichloromethane	83	4.272	4.272	(1.188)	115954	20.0000	19
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	135261	20.0000	18
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	67027	20.0000	20
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	889869	50.0000	54
66 Toluene	91	5.162	5.162	(0.742)	369686	20.0000	18
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	129842	20.0000	19
69 1,1,2-Trichloroethane	83	5.826	5.826	(0.838)	58752	20.0000	19
71 Tetrachloroethene	166	5.582	5.582	(0.803)	101915	20.0000	17
73 2-Hexanone	43	6.680	6.680	(0.961)	52117	20.0000	19
74 Dibromochloromethane	129	6.015	6.015	(0.865)	97680	20.0000	20
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	77031	20.0000	19
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	775808	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	259012	20.0000	18
81 Ethylbenzene	106	7.064	7.064	(1.016)	136300	20.0000	18
82 m+p-Xylene	106	7.277	7.277	(1.046)	355934	40.0000	38
84 o-Xylene	106	7.863	7.863	(1.131)	174318	20.0000	19
85 Styrene	104	7.942	7.942	(1.142)	290641	20.0000	18
86 Bromoform	173	7.917	7.917	(1.139)	71715	20.0000	18
88 Isopropylbenzene	105	8.350	8.350	(1.201)	452553	20.0000	19
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	406512	50.0000	51
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	87682	20.0000	19
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	240958	20.0000	19
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	474199	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	246344	20.0000	19
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	228799	20.0000	19
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	17400	20.0000	19
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	148032	20.0000	18
M 120 1,2-Dichloroethene (Total)	100				159407	40.0000	36
M 121 Xylene (Total)	100				530253	60.0000	56

Data File: e06577.d

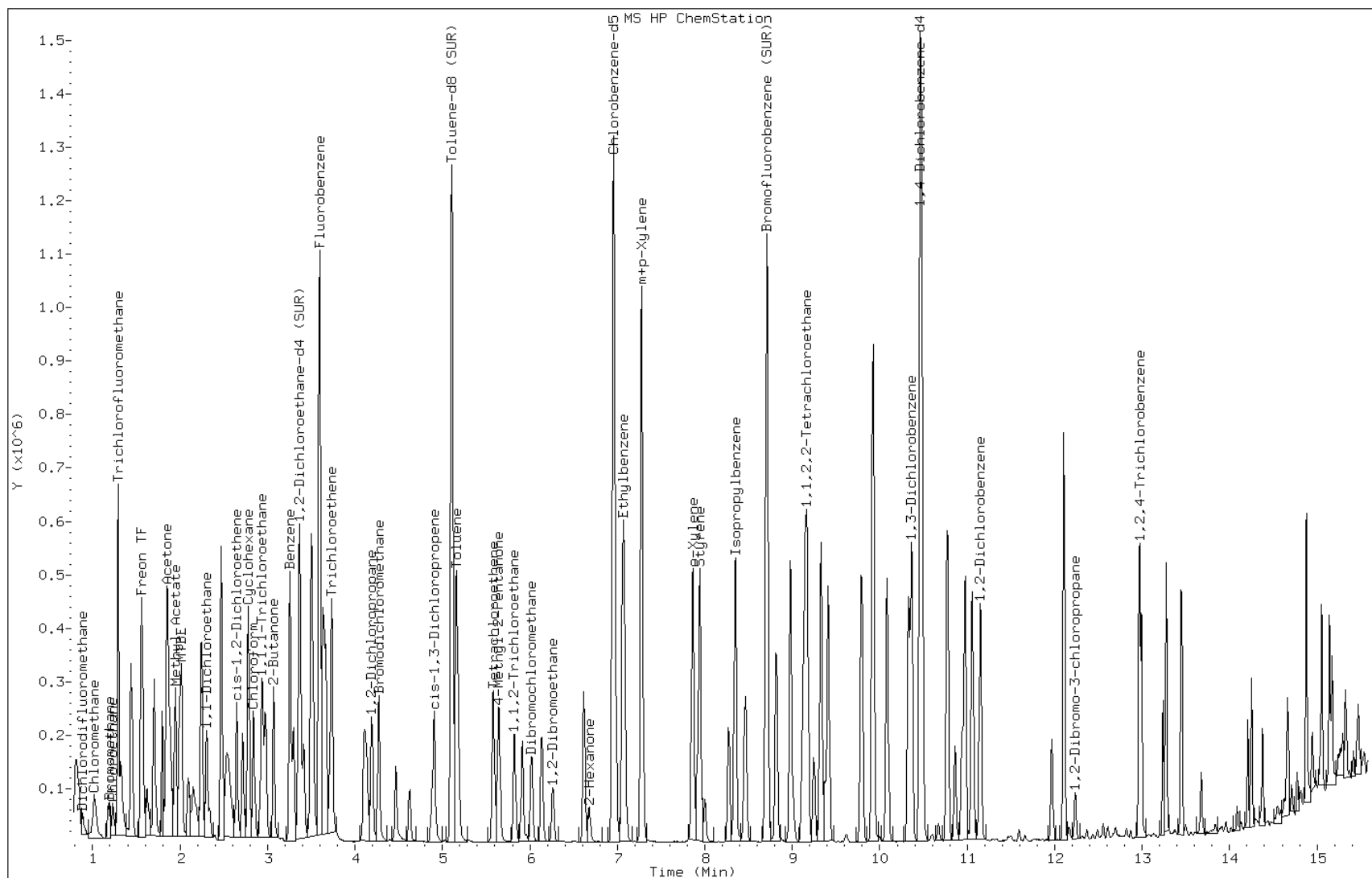
Date: 10-AUG-2012 19:01

Client ID:

Instrument: VOAMS5.i

Sample Info: CCV

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e05997.d
 Report Date: 30-Jul-2012 06:53

TestAmerica

Data file : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e05997.d
 Lab Smp Id: BFB
 Inj Date : 30-JUL-2012 03:47
 Operator : VOAMS 1
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/BFBDEL.m
 Meth Date : 27-Feb-2012 15:08 sylvanus
 Cal Date :
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2
 Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File:
 QC Sample: BFB
 Compound Sublist: all.sub
 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
1 BFB				CAS #: 460-00-4			
2.352	2.600 (0.000)	95	52496			0.00- 100.00	100.00
2.352	2.600 (0.000)	50	8317			15.00- 40.00	15.84
2.352	2.600 (0.000)	75	25608			30.00- 60.00	48.78
2.352	2.600 (0.000)	96	3297			5.00- 9.00	6.28
2.352	2.600 (0.000)	173	279			0.00- 2.00	0.53
2.352	2.600 (0.000)	174	52352			50.00- 100.00	99.73
2.352	2.600 (0.000)	175	3636			5.00- 9.00	6.95
2.352	2.600 (0.000)	176	51216			95.00- 101.00	97.83
2.352	2.600 (0.000)	177	3152			5.00- 9.00	6.15

Data File: e05997.d

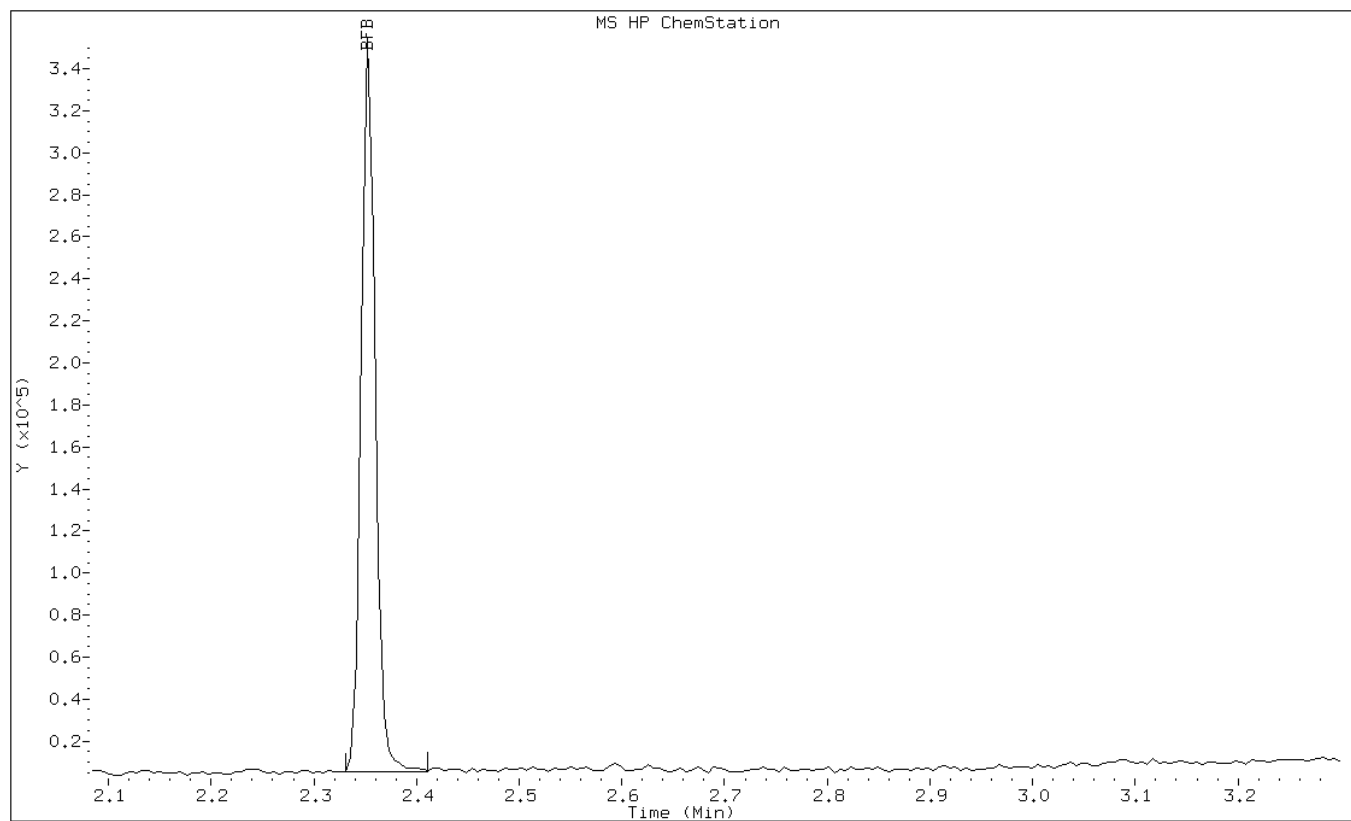
Date: 30-JUL-2012 03:47

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1



Data File: e05997.d

Date: 30-JUL-2012 03:47

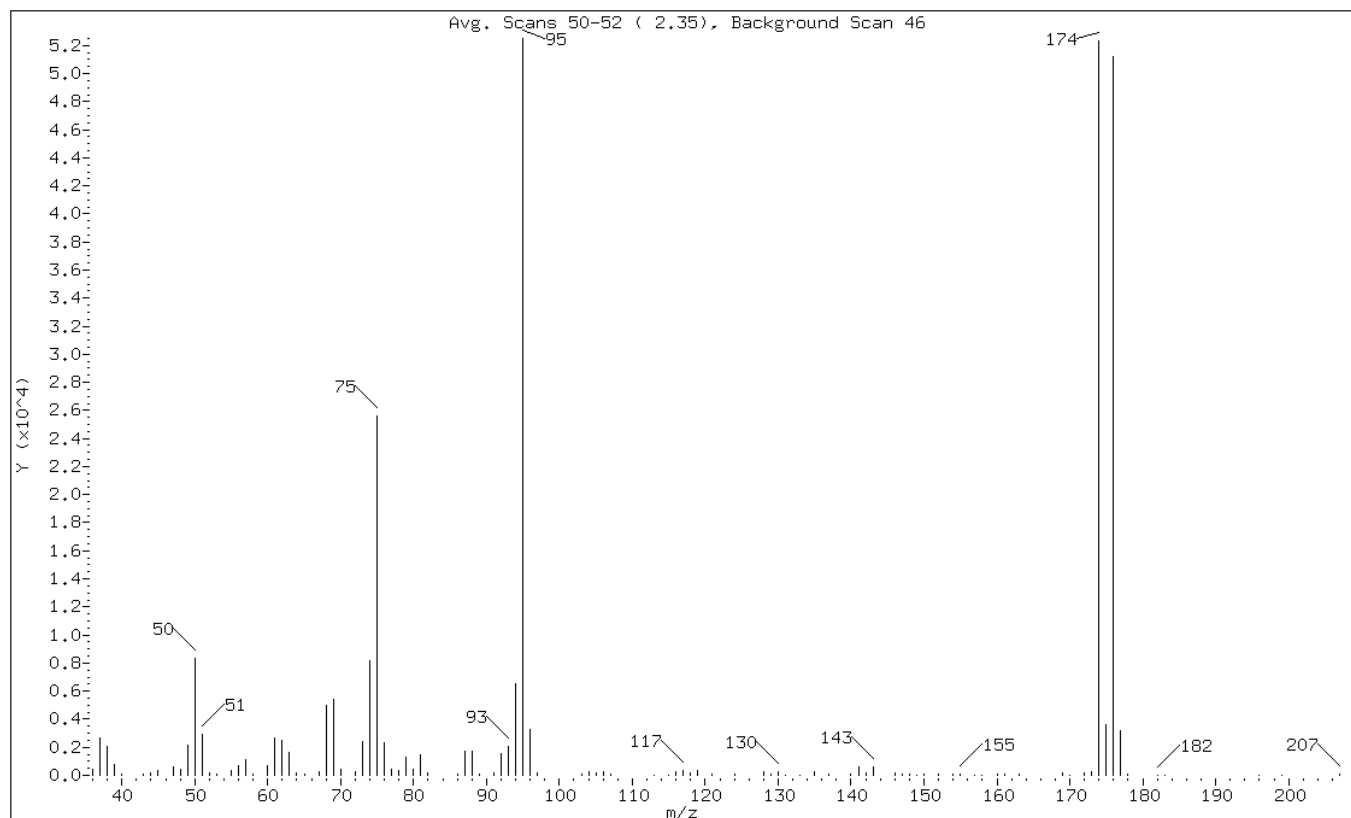
Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

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	15.84
75	30.00 - 60.00% of mass 95	48.78
96	5.00 - 9.00% of mass 95	6.28
173	Less than 2.00% of mass 174	0.53 (0.53)
174	50.00 - 100.00% of mass 95	99.73
175	5.00 - 9.00% of mass 174	6.93 (6.95)
176	95.00 - 101.00% of mass 174	97.56 (97.83)
177	5.00 - 9.00% of mass 176	6.00 (6.15)

Data File: e05997.d

Date: 30-JUL-2012 03:47

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS5.i/8260DE/07-30-12/30jul12.b/e05997.d
Spectrum: Avg. Scans 50-52 (2.35), Background Scan 46
Location of Maximum: 95.00
Number of points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	437	68.00	5022	104.00	227	149.00	39
37.00	2674	69.00	5437	105.00	144	150.00	46
38.00	2079	70.00	455	106.00	276	152.00	94
39.00	740	72.00	257	107.00	76	154.00	96
40.00	69	73.00	2404	113.00	34	155.00	108
43.00	50	74.00	8189	115.00	40	157.00	23
44.00	178	75.00	25608	116.00	222	158.00	37
45.00	318	76.00	2322	117.00	369	160.00	66
47.00	571	77.00	395	118.00	180	161.00	85
48.00	429	78.00	351	119.00	330	163.00	60
49.00	2157	79.00	1272	121.00	54	169.00	141
50.00	8317	80.00	410	124.00	43	170.00	34
51.00	2962	81.00	1446	128.00	229	172.00	177
52.00	146	82.00	174	129.00	82	173.00	279
53.00	78	86.00	101	130.00	289	174.00	52352
55.00	344	87.00	1714	131.00	19	175.00	3636
56.00	728	88.00	1759	133.00	34	176.00	51216
57.00	1083	89.00	100	135.00	269	177.00	3152
58.00	48	91.00	160	137.00	70	178.00	96
60.00	701	92.00	1558	140.00	52	182.00	39
61.00	2672	93.00	2027	141.00	573	183.00	37
62.00	2493	94.00	6560	142.00	163	196.00	36
63.00	1649	95.00	52496	143.00	631	199.00	39
64.00	179	96.00	3297	146.00	135	207.00	80
65.00	73	97.00	167	147.00	117		
67.00	226	103.00	44	148.00	71		

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06550.d
 Report Date: 10-Aug-2012 07:57

TestAmerica

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06550.d
 Lab Smp Id: BFB
 Inj Date : 10-AUG-2012 07:53
 Operator : VOAMS 1
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/BFBDEL.m
 Meth Date : 27-Feb-2012 15:08 sylvanus
 Cal Date :
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2
 Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File:
 QC Sample: BFB
 Compound Sublist: all.sub
 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
1 BFB				CAS #: 460-00-4			
2.352	2.600 (0.000)	95	35952			0.00- 100.00	100.00
2.352	2.600 (0.000)	50	6895			15.00- 40.00	19.18
2.352	2.600 (0.000)	75	18928			30.00- 60.00	52.65
2.352	2.600 (0.000)	96	2588			5.00- 9.00	7.20
2.352	2.600 (0.000)	173	173			0.00- 2.00	0.52
2.352	2.600 (0.000)	174	33504			50.00- 100.00	93.19
2.352	2.600 (0.000)	175	2702			5.00- 9.00	8.06
2.352	2.600 (0.000)	176	33680			95.00- 101.00	100.53
2.352	2.600 (0.000)	177	2096			5.00- 9.00	6.22

Data File: e06550.d

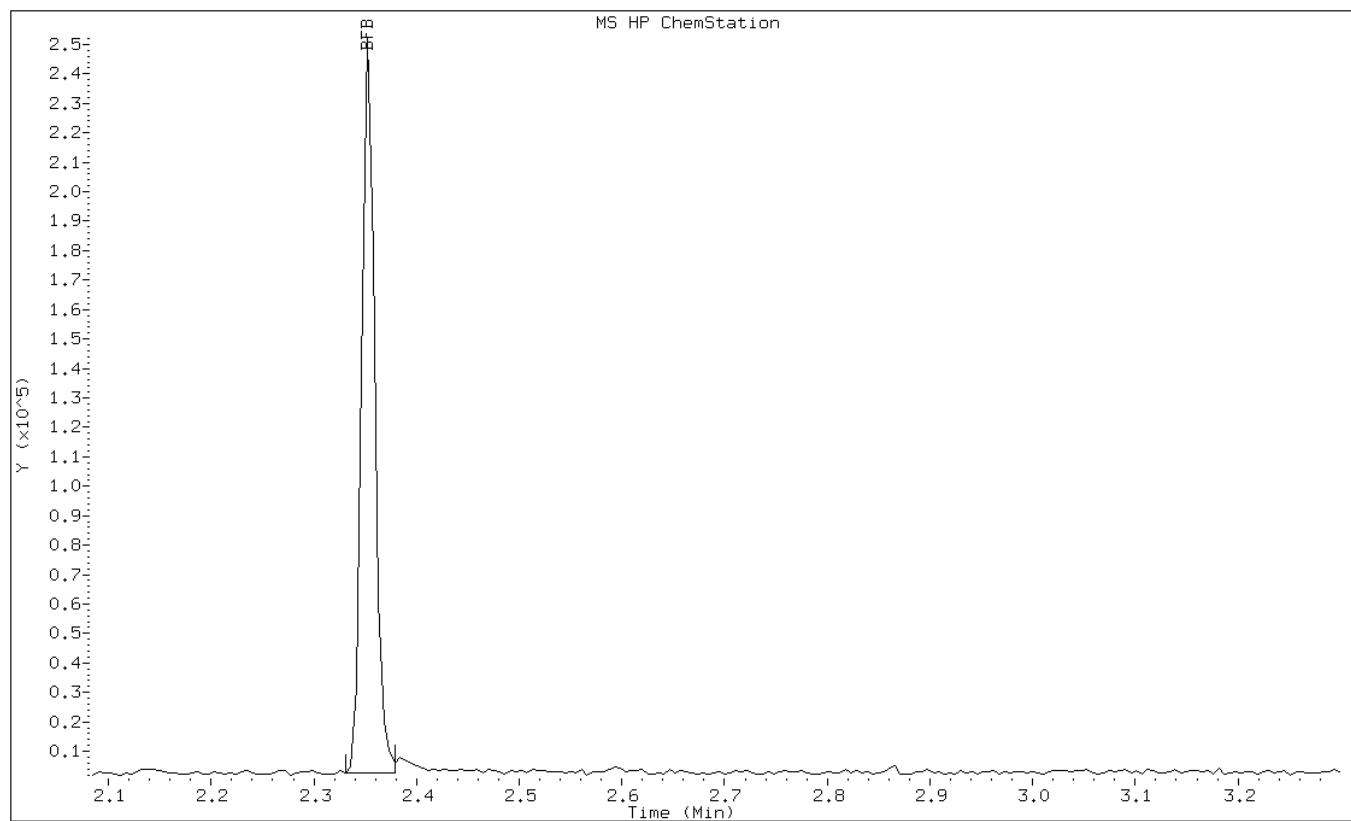
Date: 10-AUG-2012 07:53

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1



Data File: e06550.d

Date: 10-AUG-2012 07:53

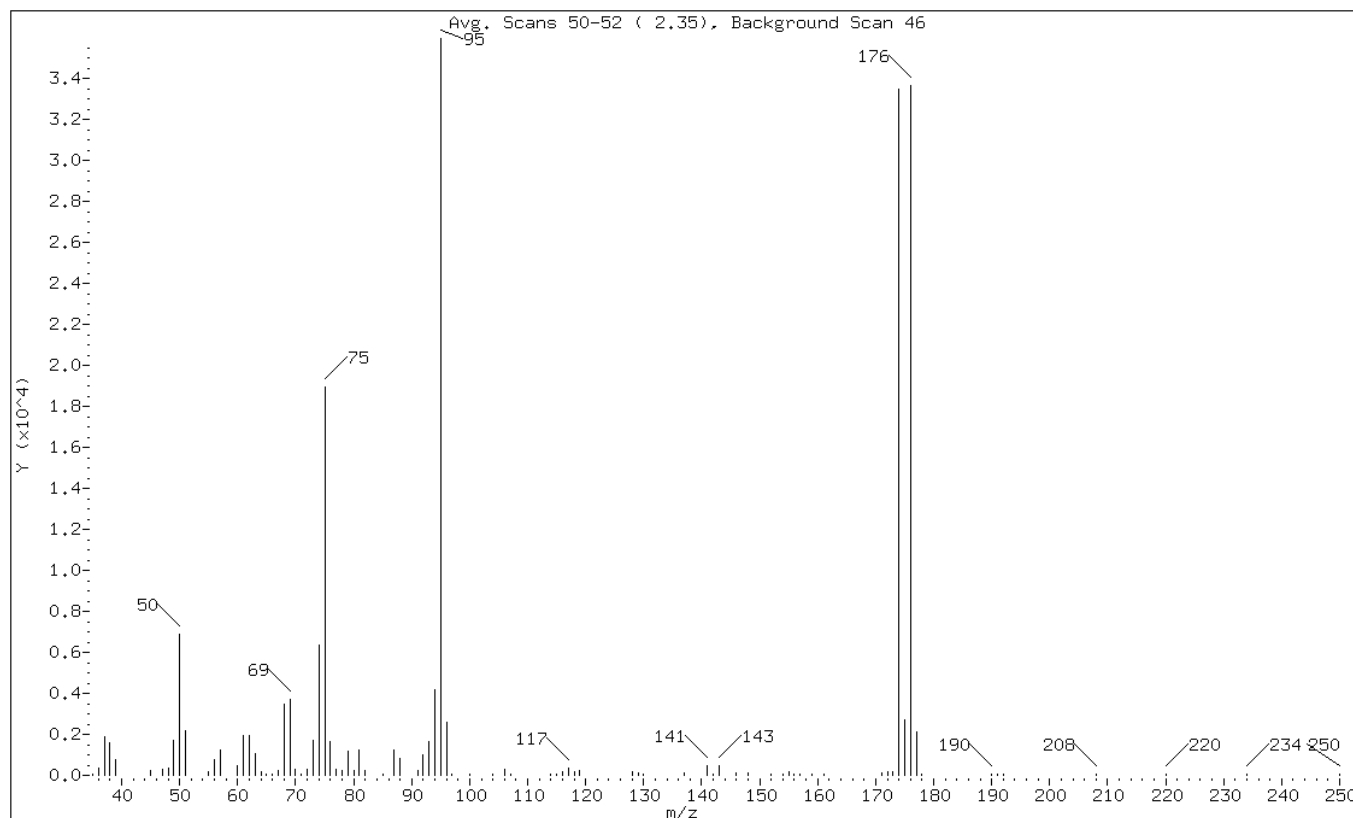
Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

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	19.18
75	30.00 - 60.00% of mass 95	52.65
96	5.00 - 9.00% of mass 95	7.20
173	Less than 2.00% of mass 174	0.48 (0.52)
174	50.00 - 100.00% of mass 95	93.19
175	5.00 - 9.00% of mass 174	7.52 (8.06)
176	95.00 - 101.00% of mass 174	93.68 (100.53)
177	5.00 - 9.00% of mass 176	5.83 (6.22)

Data File: e06550.d

Date: 10-AUG-2012 07:53

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06550.d
Spectrum: Avg. Scans 50-52 (2.35), Background Scan 46
Location of Maximum: 95.00
Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	39	69.00	3712	97.00	64	156.00	39
36.00	355	70.00	309	100.00	51	157.00	72
37.00	1880	71.00	72	104.00	74	159.00	34
38.00	1581	72.00	280	106.00	280	161.00	36
39.00	791	73.00	1718	107.00	33	171.00	90
45.00	212	74.00	6328	114.00	34	172.00	176
47.00	292	75.00	18928	115.00	42	173.00	173
48.00	376	76.00	1626	116.00	197	174.00	33504
49.00	1679	77.00	315	117.00	335	175.00	2702
50.00	6895	78.00	225	118.00	183	176.00	33680
51.00	2187	79.00	1155	119.00	240	177.00	2096
55.00	198	80.00	260	128.00	148	178.00	47
56.00	777	81.00	1257	129.00	113	190.00	37
57.00	1207	82.00	251	130.00	37	191.00	35
60.00	477	85.00	72	137.00	96	192.00	35
61.00	1921	87.00	1214	141.00	451	208.00	86
62.00	1962	88.00	809	142.00	36	220.00	34
63.00	1086	91.00	251	143.00	492	234.00	39
64.00	160	92.00	993	146.00	112	250.00	38
65.00	34	93.00	1621	148.00	122		
66.00	59	94.00	4160	152.00	52		
67.00	220	95.00	35952	154.00	42		
68.00	3492	96.00	2588	155.00	163		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-123484/4

Matrix: Water Lab File ID: e06555.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 10:07

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U	5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
110-82-7	Cyclohexane	0.16	U	1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-123484/4
 Matrix: Water Lab File ID: e06555.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 10:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	0.36	U	3.0	0.36
100-42-5	Styrene	0.12	U	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		70-130
460-00-4	4-Bromofluorobenzene	97		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-43270-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-123484/4
Matrix: Water Lab File ID: e06555.d
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 10:07
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123484 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06555.d
 Report Date: 10-Aug-2012 13:18

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06555.d
 Lab Smp Id: MB
 Inj Date : 10-AUG-2012 10:07
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : MB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 5 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.363	(0.934)	225559		53.4973	53
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	740726		50.0000	
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	714581		46.8293	47
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	653815		50.0000	
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	340280		48.5865	48
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	399902		50.0000	

Data File: e06555.d

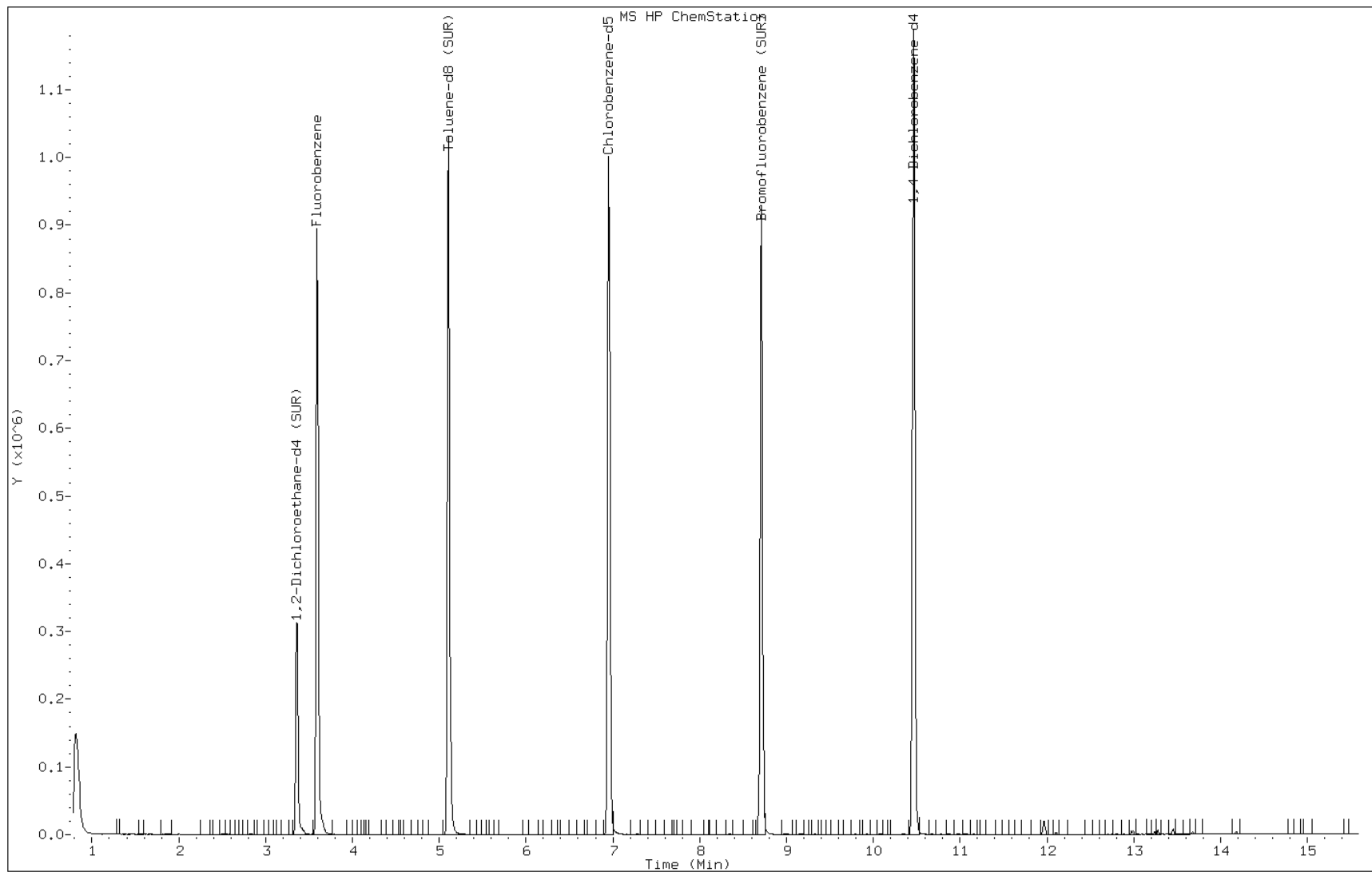
Date: 10-AUG-2012 10:07

Client ID:

Instrument: VOAMS5.i

Sample Info: MB

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-123484/3

Matrix: Water Lab File ID: e06552.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 08:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.8		1.0	0.060
75-71-8	Dichlorodifluoromethane	18.9		1.0	0.22
74-87-3	Chloromethane	19.5		1.0	0.10
75-01-4	Vinyl chloride	19.4		1.0	0.14
74-83-9	Bromomethane	20.1		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.3		1.0	0.21
75-69-4	Trichlorofluoromethane	20.1		1.0	0.15
75-35-4	1,1-Dichloroethene	19.3		1.0	0.090
78-87-5	1,2-Dichloropropane	19.4		1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.1		1.0	0.080
67-64-1	Acetone	24.2		5.0	2.7
75-15-0	Carbon disulfide	20.3		1.0	0.13
79-20-9	Methyl acetate	20.7		2.0	0.34
75-09-2	Methylene Chloride	19.6		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	18.5		1.0	0.13
124-48-1	Chlorodibromomethane	19.0		1.0	0.20
1634-04-4	Methyl tert-butyl ether	21.2		1.0	0.14
75-00-3	Chloroethane	22.3		1.0	0.17
75-34-3	1,1-Dichloroethane	18.5		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	18.7		1.0	0.18
78-93-3	2-Butanone (MEK)	19.8		5.0	2.3
67-66-3	Chloroform	18.4		1.0	0.080
100-41-4	Ethylbenzene	19.3		1.0	0.10
110-82-7	Cyclohexane	20.3		1.0	0.16
56-23-5	Carbon tetrachloride	19.4		1.0	0.060
71-43-2	Benzene	18.8		1.0	0.080
107-06-2	1,2-Dichloroethane	18.0		1.0	0.19
79-01-6	Trichloroethene	19.0		1.0	0.090
108-87-2	Methylcyclohexane	21.9		1.0	0.14
75-27-4	Dichlorobromomethane	19.0		1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	18.6		1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	21.0		5.0	0.99
108-88-3	Toluene	19.0		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	18.9		1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-123484/3
 Matrix: Water Lab File ID: e06552.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 08:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	18.8		1.0	0.19
127-18-4	Tetrachloroethene	19.3		1.0	0.10
591-78-6	2-Hexanone	20.4		5.0	0.50
106-93-4	1,2-Dibromoethane	18.5		1.0	0.28
108-90-7	Chlorobenzene	18.9		1.0	0.11
1330-20-7	Xylenes, Total	57.1		3.0	0.36
100-42-5	Styrene	19.0		1.0	0.12
75-25-2	Bromoform	19.4		1.0	0.19
98-82-8	Isopropylbenzene	19.3		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.0	0.16
541-73-1	1,3-Dichlorobenzene	19.3		1.0	0.14
106-46-7	1,4-Dichlorobenzene	19.1		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	19.4		1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-130
460-00-4	4-Bromofluorobenzene	101		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06552.d
 Report Date: 10-Aug-2012 09:14

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06552.d
 Lab Smp Id: LCS
 Inj Date : 10-AUG-2012 08:57
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : LCS
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 2 QC Sample: METHSPIKE
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	==	=====	=====	=====	(ug/L)	(ug/L)	
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	62664	18.9291	19	
3 Chloromethane	50	1.010	1.010	(0.281)	72283	19.4755	19	
4 Vinyl Chloride	62	1.022	1.022	(0.284)	67103	19.3606	19	
6 Bromomethane	94	1.175	1.175	(0.327)	50929	20.0672	20	
5 Chloroethane	64	1.230	1.236	(0.342)	43024	22.2580	22	
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	125710	20.0599	20	
14 Freon TF	101	1.571	1.571	(0.437)	65046	21.1128	21	
15 1,1-Dichloroethene	96	1.547	1.553	(0.430)	48446	19.3008	19	
16 Acetone	58	1.888	1.894	(0.525)	7831	24.2397	24	
18 Carbon Disulfide	76	1.565	1.565	(0.435)	148377	20.2503	20	
27 Methyl Acetate	74	1.961	1.961	(0.546)	11631	20.7343	21	
22 Methylene Chloride	49	1.858	1.858	(0.517)	83397	19.5985	20	
28 MTBE	73	2.016	2.016	(0.561)	217809	21.2492	21	
25 trans-1,2-Dichloroethene	96	1.943	1.949	(0.540)	60048	18.4677	18	
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	124829	18.4514	18	
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	72991	18.6622	19	

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06552.d
 Report Date: 10-Aug-2012 09:14

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	11180	19.7808	20
42 Chloroform	83	2.839	2.845	(0.790)	126470	18.3649	18
44 Cyclohexane	56	2.784	2.784	(0.774)	90741	20.2519	20
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	118157	18.7975	19
45 Carbon Tetrachloride	117	2.931	2.931	(0.815)	100786	19.3965	19
48 Benzene	78	3.260	3.260	(0.469)	257885	18.7689	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	230489	51.5667	52
49 1,2-Dichloroethane	62	3.412	3.418	(0.949)	98789	18.0075	18
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	785257	50.0000	
54 Trichloroethene	95	3.735	3.741	(1.039)	67678	19.0248	19
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	99607	21.9421	22
57 1,2-Dichloropropane	63	4.193	4.192	(1.166)	62254	19.3520	19
68 Bromodichloromethane	83	4.272	4.272	(1.188)	96660	19.0318	19
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	116508	18.6030	19
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	54540	21.0497	21
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	794476	48.9155	49
66 Toluene	91	5.162	5.162	(0.742)	323317	19.0194	19
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	112102	18.9484	19
69 1,1,2-Trichloroethane	83	5.820	5.826	(0.837)	47619	18.8245	19
71 Tetrachloroethene	166	5.583	5.582	(0.803)	93229	19.3050	19
73 2-Hexanone	43	6.680	6.680	(0.961)	45497	20.3728	20
74 Dibromochloromethane	129	6.015	6.015	(0.865)	81837	19.0301	19
77 1,2-Dibromoethane	107	6.265	6.259	(0.901)	62350	18.5184	18
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	695914	50.0000	
79 Chlorobenzene	112	6.973	6.972	(1.003)	230842	18.9243	19
81 Ethylbenzene	106	7.064	7.064	(1.016)	122427	19.3271	19
82 m+p-Xylene	106	7.277	7.277	(1.046)	308995	37.9981	38
84 o-Xylene	106	7.863	7.862	(1.131)	152856	19.1263	19
85 Styrene	104	7.942	7.942	(1.142)	265294	19.0442	19
86 Bromoform	173	7.917	7.911	(1.139)	60665	19.4216	19
88 Isopropylbenzene	105	8.350	8.350	(1.201)	419417	19.3328	19
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	375364	50.4232	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	74282	19.8961	20
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	218878	19.3102	19
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	425065	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	224586	19.1286	19
111 1,2-Dichlorobenzene	146	11.149	11.148	(1.065)	207067	19.2875	19
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	14823	19.6099	20
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	131670	19.3542	19
M 120 1,2-Dichloroethene (Total)	100				133040	37.1299	37
M 121 Xylene (Total)	100				461852	57.1244	57

Data File: e06552.d

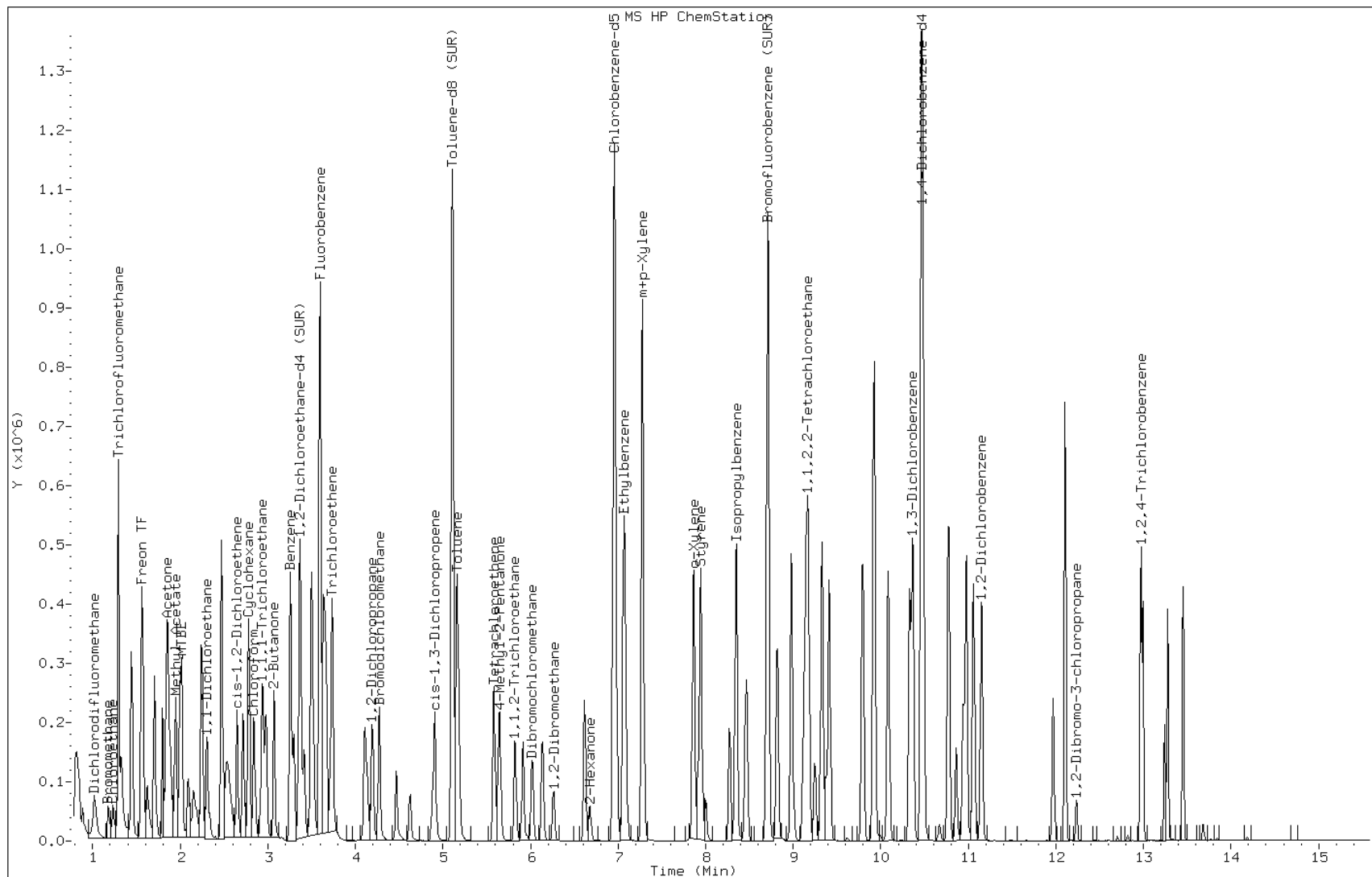
Date: 10-AUG-2012 08:57

Client ID:

Instrument: VOAMS5.i

Sample Info: LCS

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-1 MS
 Matrix: Water Lab File ID: e06564.d
 Analysis Method: 8260B Date Collected: 08/07/2012 10:30
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 13:39
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	179		10	0.60
75-71-8	Dichlorodifluoromethane	191		10	2.2
74-87-3	Chloromethane	205		10	1.0
75-01-4	Vinyl chloride	204		10	1.4
74-83-9	Bromomethane	203		10	1.8
96-12-8	1,2-Dibromo-3-Chloropropane	206		10	4.0
95-50-1	1,2-Dichlorobenzene	176		10	2.1
75-69-4	Trichlorofluoromethane	205		10	1.5
75-35-4	1,1-Dichloroethene	203		10	0.90
78-87-5	1,2-Dichloropropane	189		10	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	186		10	0.80
67-64-1	Acetone	343		50	27
75-15-0	Carbon disulfide	170		10	1.3
79-20-9	Methyl acetate	205		20	3.4
75-09-2	Methylene Chloride	186		10	1.8
156-60-5	trans-1,2-Dichloroethene	181		10	1.3
124-48-1	Chlorodibromomethane	192		10	2.0
1634-04-4	Methyl tert-butyl ether	209		10	1.4
75-00-3	Chloroethane	253		10	1.7
75-34-3	1,1-Dichloroethane	191		10	1.3
156-59-2	cis-1,2-Dichloroethene	178		10	1.8
78-93-3	2-Butanone (MEK)	208		50	23
67-66-3	Chloroform	186		10	0.80
100-41-4	Ethylbenzene	596		10	1.0
110-82-7	Cyclohexane	382		10	1.6
56-23-5	Carbon tetrachloride	177		10	0.60
71-43-2	Benzene	624		10	0.80
107-06-2	1,2-Dichloroethane	187		10	1.9
79-01-6	Trichloroethene	177		10	0.90
108-87-2	Methylcyclohexane	355		10	1.4
75-27-4	Dichlorobromomethane	189		10	1.2
10061-01-5	cis-1,3-Dichloropropene	179		10	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	243		50	9.9
108-88-3	Toluene	1270		10	1.5
10061-02-6	trans-1,3-Dichloropropene	186		10	2.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1
 SDG No.: _____
 Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-1 MS
 Matrix: Water Lab File ID: e06564.d
 Analysis Method: 8260B Date Collected: 08/07/2012 10:30
 Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 13:39
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	241		10	1.9
127-18-4	Tetrachloroethene	173		10	1.0
591-78-6	2-Hexanone	200		50	5.0
106-93-4	1,2-Dibromoethane	194		10	2.8
108-90-7	Chlorobenzene	181		10	1.1
1330-20-7	Xylenes, Total	2540		30	3.6
100-42-5	Styrene	184		10	1.2
75-25-2	Bromoform	197		10	1.9
98-82-8	Isopropylbenzene	209		10	0.80
79-34-5	1,1,2,2-Tetrachloroethane	211		10	1.6
541-73-1	1,3-Dichlorobenzene	172		10	1.4
106-46-7	1,4-Dichlorobenzene	172		10	2.3
120-82-1	1,2,4-Trichlorobenzene	161		10	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
460-00-4	4-Bromofluorobenzene	90		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06564.d
 Report Date: 10-Aug-2012 14:11

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06564.d
 Lab Smp Id: 460-43270-B-1 MS
 Inj Date : 10-AUG-2012 13:39
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-43270-B-1 MS;10
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 14 QC Sample: MS
 Dil Factor: 10.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: $\text{Amt} * \text{DF} * 5/\text{Vo} * \text{CpndVariable}$

Name	Value	Description
DF	10.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	==	=====	=====	=====	(ug/L)	(ug/L)	
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	64561	19.0750	190	
3 Chloromethane	50	1.004	1.010	(0.279)	77837	20.5129	200	
4 Vinyl Chloride	62	1.022	1.022	(0.284)	72201	20.3755	200	
6 Bromomethane	94	1.175	1.175	(0.327)	52627	20.2827	200	
5 Chloroethane	64	1.230	1.236	(0.342)	50096	25.3495	250	
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	131397	20.5084	200	
14 Freon TF	101	1.571	1.571	(0.437)	58648	18.6196	190	
15 1,1-Dichloroethene	96	1.547	1.553	(0.430)	52024	20.2726	200	
16 Acetone	58	1.888	1.894	(0.525)	11338	34.3282	340(R)	
18 Carbon Disulfide	76	1.565	1.565	(0.435)	127087	16.9649	170	
27 Methyl Acetate	74	1.961	1.961	(0.546)	11763	20.5094	200	
22 Methylene Chloride	49	1.858	1.858	(0.517)	80801	18.5727	180	
28 MTBE	73	2.016	2.016	(0.561)	218675	20.8667	210	
25 trans-1,2-Dichloroethene	96	1.949	1.949	(0.542)	60157	18.0962	180	
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	131893	19.0688	190	
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	71175	17.7994	180	

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06564.d
 Report Date: 10-Aug-2012 14:11

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	12027	20.8135	210
42 Chloroform	83	2.845	2.845	(0.791)	130985	18.6042	190
44 Cyclohexane	56	2.784	2.784	(0.774)	175126	38.2294	380(R)
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	114877	17.8755	180
45 Carbon Tetrachloride	117	2.931	2.931	(0.815)	94025	17.6993	180
48 Benzene	78	3.260	3.260	(0.469)	858283	62.4194	620(R)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	229740	50.2741	50
49 1,2-Dichloroethane	62	3.418	3.418	(0.951)	104909	18.7046	190
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	802830	50.0000	
54 Trichloroethene	95	3.741	3.741	(1.041)	64403	17.7081	180
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	164710	35.4890	350(R)
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	62156	18.8988	190
68 Bromodichloromethane	83	4.272	4.272	(1.188)	98285	18.9280	190
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	112088	17.8839	180
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	63084	24.3290	240(R)
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	742204	45.6631	46
66 Toluene	91	5.162	5.162	(0.742)	2159876	126.962	1300(R)
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	109952	18.5712	180
69 1,1,2-Trichloroethane	83	5.826	5.826	(0.838)	60914	24.0621	240(R)
71 Tetrachloroethene	166	5.582	5.582	(0.803)	83534	17.2847	170
73 2-Hexanone	43	6.680	6.680	(0.961)	44701	20.0014	200
74 Dibromochloromethane	129	6.021	6.015	(0.866)	82658	19.2067	190
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	65241	19.3626	190
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	696432	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	221148	18.1162	180
81 Ethylbenzene	106	7.064	7.064	(1.016)	377629	59.5703	600(R)
82 m+p-Xylene	106	7.283	7.277	(1.047)	1440729	177.039	1800(R)
84 o-Xylene	106	7.862	7.862	(1.131)	618562	77.3405	770(R)
85 Styrene	104	7.942	7.942	(1.142)	256619	18.4077	180
86 Bromoform	173	7.917	7.911	(1.139)	61628	19.7153	200
88 Isopropylbenzene	105	8.350	8.350	(1.201)	452816	20.8567	210
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	348426	45.1088	45
92 1,1,2,2-Tetrachloroethane	83	9.118	9.112	(0.871)	81816	21.1201	210
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	202076	17.1820	170
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	441045	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	209161	17.1694	170
111 1,2-Dichlorobenzene	146	11.155	11.148	(1.066)	196467	17.6371	180
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	16122	20.5547	200
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	113763	16.1162	160
M 120 1,2-Dichloroethene (Total)	100				131332	35.8956	360
M 121 Xylene (Total)	100				2059291	254.379	2500(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: e06564.d

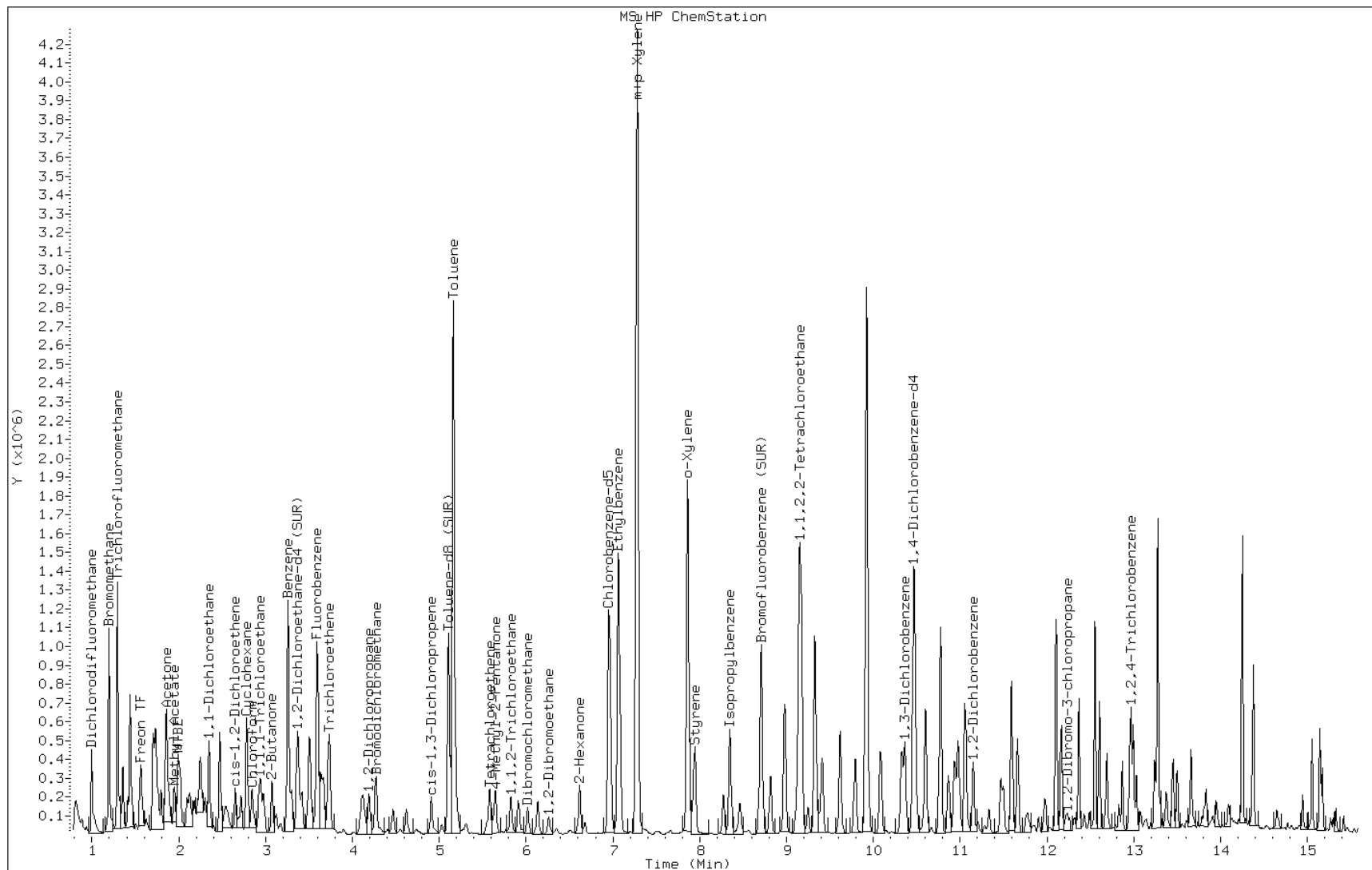
Date: 10-AUG-2012 13:39

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1 MS;10

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-1 MSD

Matrix: Water Lab File ID: e06565.d

Analysis Method: 8260B Date Collected: 08/07/2012 10:30

Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 14:02

Soil Aliquot Vol: _____ Dilution Factor: 10

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	181		10	0.60
75-71-8	Dichlorodifluoromethane	194		10	2.2
74-87-3	Chloromethane	210		10	1.0
75-01-4	Vinyl chloride	205		10	1.4
74-83-9	Bromomethane	205		10	1.8
96-12-8	1,2-Dibromo-3-Chloropropane	210		10	4.0
95-50-1	1,2-Dichlorobenzene	180		10	2.1
75-69-4	Trichlorofluoromethane	200		10	1.5
75-35-4	1,1-Dichloroethene	206		10	0.90
78-87-5	1,2-Dichloropropane	195		10	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	197		10	0.80
67-64-1	Acetone	360		50	27
75-15-0	Carbon disulfide	184		10	1.3
79-20-9	Methyl acetate	205		20	3.4
75-09-2	Methylene Chloride	188		10	1.8
156-60-5	trans-1,2-Dichloroethene	184		10	1.3
124-48-1	Chlorodibromomethane	203		10	2.0
1634-04-4	Methyl tert-butyl ether	221		10	1.4
75-00-3	Chloroethane	217		10	1.7
75-34-3	1,1-Dichloroethane	193		10	1.3
156-59-2	cis-1,2-Dichloroethene	184		10	1.8
78-93-3	2-Butanone (MEK)	217		50	23
67-66-3	Chloroform	194		10	0.80
100-41-4	Ethylbenzene	609		10	1.0
110-82-7	Cyclohexane	395		10	1.6
56-23-5	Carbon tetrachloride	180		10	0.60
71-43-2	Benzene	659		10	0.80
107-06-2	1,2-Dichloroethane	187		10	1.9
79-01-6	Trichloroethene	182		10	0.90
108-87-2	Methylcyclohexane	357		10	1.4
75-27-4	Dichlorobromomethane	190		10	1.2
10061-01-5	cis-1,3-Dichloropropene	188		10	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	251		50	9.9
108-88-3	Toluene	1310		10	1.5
10061-02-6	trans-1,3-Dichloropropene	196		10	2.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Client Sample ID: WG-17338-080712-VAS1-MM-2 Lab Sample ID: 460-43270-1 MSD

Matrix: Water Lab File ID: e06565.d

Analysis Method: 8260B Date Collected: 08/07/2012 10:30

Sample wt/vol: 5(mL) Date Analyzed: 08/10/2012 14:02

Soil Aliquot Vol: _____ Dilution Factor: 10

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123484 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	246		10	1.9
127-18-4	Tetrachloroethene	177		10	1.0
591-78-6	2-Hexanone	214		50	5.0
106-93-4	1,2-Dibromoethane	200		10	2.8
108-90-7	Chlorobenzene	183		10	1.1
1330-20-7	Xylenes, Total	2580		30	3.6
100-42-5	Styrene	187		10	1.2
75-25-2	Bromoform	200		10	1.9
98-82-8	Isopropylbenzene	213		10	0.80
79-34-5	1,1,2,2-Tetrachloroethane	219		10	1.6
541-73-1	1,3-Dichlorobenzene	175		10	1.4
106-46-7	1,4-Dichlorobenzene	175		10	2.3
120-82-1	1,2,4-Trichlorobenzene	171		10	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-130
460-00-4	4-Bromofluorobenzene	95		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06565.d
 Report Date: 10-Aug-2012 15:14

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06565.d
 Lab Smp Id: 460-43270-B-1MSD
 Inj Date : 10-AUG-2012 14:02
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-43270-B-1;10MSD
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/8260DE_09.m
 Meth Date : 10-Aug-2012 09:14 audberto Quant Type: ISTD
 Cal Date : 10-AUG-2012 08:32 Cal File: e06551.d
 Als bottle: 15 QC Sample: MSD
 Dil Factor: 10.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====		(ug/L)	(ug/L)
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	71158		19.4176	190
3 Chloromethane	50	1.016	1.010	(0.283)	86369		21.0219	210
4 Vinyl Chloride	62	1.022	1.022	(0.284)	78649		20.4989	200
6 Bromomethane	94	1.175	1.175	(0.327)	57733		20.5499	200
5 Chloroethane	64	1.230	1.236	(0.342)	46384		21.6772	220
7 Trichlorofluoromethane	101	1.291	1.297	(0.359)	138758		20.0023	200
14 Freon TF	101	1.571	1.571	(0.437)	67023		19.6522	200
15 1,1-Dichloroethene	96	1.547	1.553	(0.430)	57316		20.6280	210
16 Acetone	58	1.888	1.894	(0.525)	12863		35.9679	360(R)
18 Carbon Disulfide	76	1.559	1.565	(0.434)	149071		18.3789	180
27 Methyl Acetate	74	1.961	1.961	(0.546)	12713		20.4719	200
22 Methylene Chloride	49	1.858	1.858	(0.517)	88462		18.7798	190
28 MTBE	73	2.016	2.016	(0.561)	250937		22.1153	220
25 trans-1,2-Dichloroethene	96	1.943	1.949	(0.540)	66236		18.4022	180
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	144318		19.2707	190
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	79781		18.4270	180

Data File: /chem/VOAMS5.i/8260DE/07-30-12/10aug12W.b/e06565.d
 Report Date: 10-Aug-2012 15:14

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
38 2-Butanone	72		3.071	3.071	(0.854)		13569	21.6866	220
42 Chloroform	83		2.845	2.845	(0.791)		147917	19.4036	190
44 Cyclohexane	56		2.778	2.784	(0.773)		195941	39.5046	400(R)
43 1,1,1-Trichloroethane	97		2.979	2.979	(0.829)		125938	18.0992	180
45 Carbon Tetrachloride	117		2.930	2.931	(0.815)		103619	18.0146	180
48 Benzene	78		3.260	3.260	(0.469)		958052	65.8530	660(R)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65		3.363	3.363	(0.936)		259341	52.4148	52
49 1,2-Dichloroethane	62		3.418	3.418	(0.951)		113752	18.7313	190
* 52 Fluorobenzene	96		3.595	3.595	(1.000)		869255	50.0000	
54 Trichloroethene	95		3.735	3.741	(1.039)		71658	18.1971	180
56 Methyl cyclohexane	83		3.729	3.729	(1.037)		179460	35.7123	360(R)
57 1,2-Dichloropropane	63		4.192	4.192	(1.166)		69518	19.5218	200
68 Bromodichloromethane	83		4.272	4.272	(1.188)		106820	18.9997	190
67 cis-1,3-Dichloropropene	75		4.906	4.906	(0.705)		124668	18.7998	190
70 4-Methyl-2-Pentanone	43		5.625	5.625	(0.809)		68880	25.1070	250(R)
\$ 65 Toluene-d8 (SUR)	98		5.107	5.107	(0.734)		831137	48.3295	48
66 Toluene	91		5.162	5.162	(0.742)		2355234	130.851	1300(R)
64 trans-1,3-Dichloropropene	75		5.649	5.650	(0.812)		122806	19.6044	200
69 1,1,2-Trichloroethane	83		5.826	5.826	(0.838)		65999	24.6405	250(R)
71 Tetrachloroethene	166		5.582	5.582	(0.803)		90686	17.7351	180
73 2-Hexanone	43		6.680	6.680	(0.961)		50549	21.3773	210
74 Dibromochloromethane	129		6.021	6.015	(0.866)		92396	20.2917	200
77 1,2-Dibromoethane	107		6.265	6.259	(0.901)		71417	20.0328	200
* 78 Chlorobenzene-d5	117		6.954	6.954	(1.000)		736854	50.0000	
79 Chlorobenzene	112		6.972	6.972	(1.003)		236778	18.3325	180
81 Ethylbenzene	106		7.064	7.064	(1.016)		408472	60.9010	610(R)
82 m+p-Xylene	106		7.283	7.277	(1.047)		1547833	179.766	1800(R)
84 o-Xylene	106		7.862	7.862	(1.131)		665642	78.6615	790(R)
85 Styrene	104		7.942	7.942	(1.142)		275834	18.7006	190
86 Bromoform	173		7.917	7.911	(1.139)		66296	20.0451	200
88 Isopropylbenzene	105		8.350	8.350	(1.201)		489592	21.3135	210
\$ 89 Bromofluorobenzene (SUR)	174		8.710	8.710	(0.832)		383428	47.5337	48
92 1,1,2,2-Tetrachloroethane	83		9.118	9.112	(0.871)		88598	21.9002	220
105 1,3-Dichlorobenzene	146		10.331	10.332	(0.987)		215070	17.5107	180
* 108 1,4-Dichlorobenzene-d4	152		10.466	10.466	(1.000)		460591	50.0000	
109 1,4-Dichlorobenzene	146		10.490	10.490	(1.002)		223212	17.5452	180
111 1,2-Dichlorobenzene	146		11.155	11.148	(1.066)		208948	17.9615	180
112 1,2-Dibromo-3-chloropropane	75		12.234	12.234	(1.169)		17241	21.0486	210
114 1,2,4-Trichlorobenzene	180		12.971	12.971	(1.239)		126304	17.1334	170
M 120 1,2-Dichloroethene (Total)	100						146017	36.8292	370
M 121 Xylene (Total)	100						2213475	258.428	2600(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: e06565.d

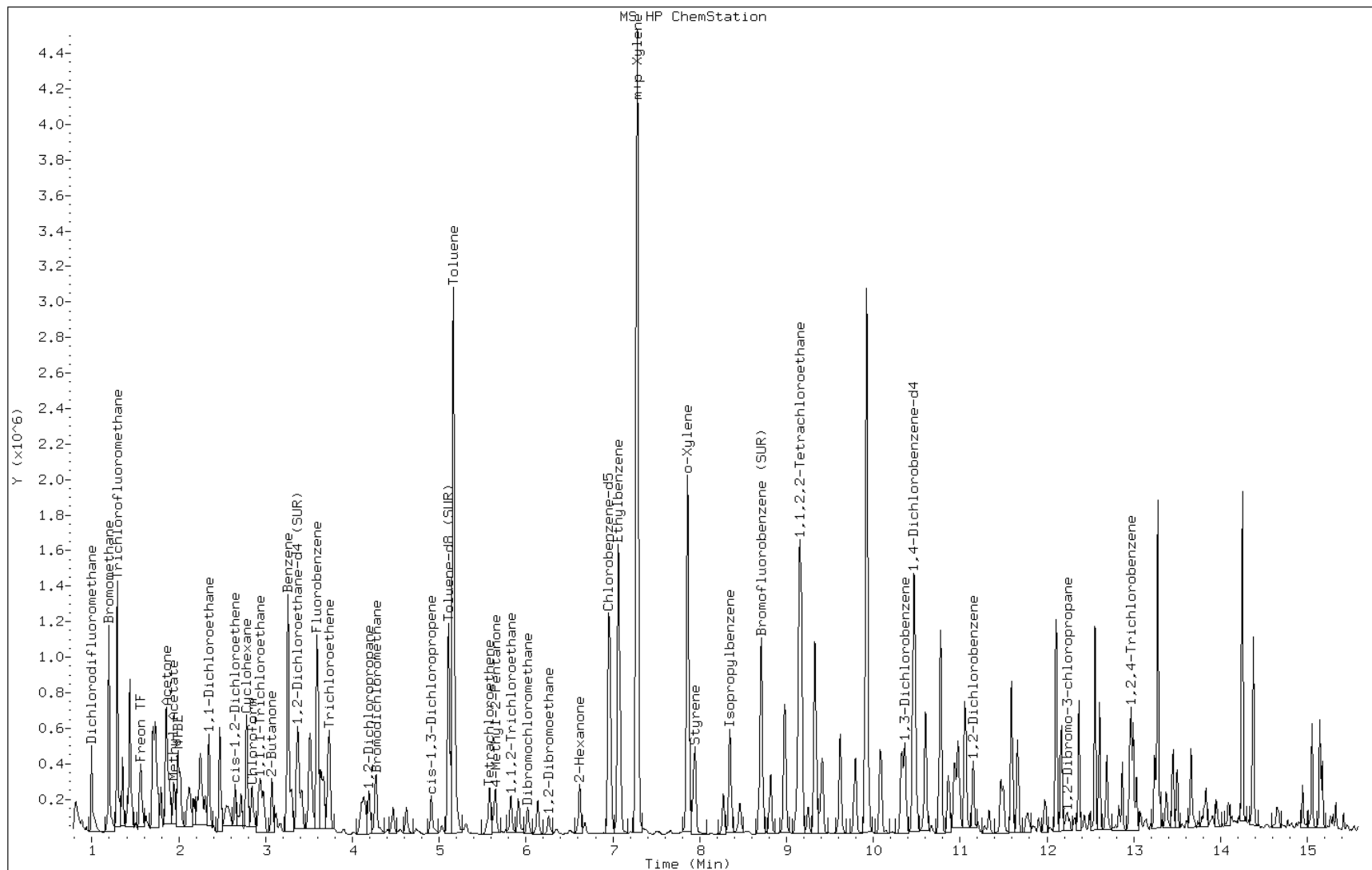
Date: 10-AUG-2012 14:02

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-43270-B-1;10MSD

Operator: GC/MS VOAMS5



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Instrument ID: VOAMS5 Start Date: 07/30/2012 03:47Analysis Batch Number: 121792 End Date: 07/30/2012 09:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-121792/1		07/30/2012 03:47	1	e05997.d	Rtx-VMS 0.18 (mm)
ICIS 460-121792/2		07/30/2012 04:34	1	e05999.d	Rtx-VMS 0.18 (mm)
IC 460-121792/3		07/30/2012 06:31	1	e06003.d	Rtx-VMS 0.18 (mm)
IC 460-121792/4		07/30/2012 06:55	1	e06004.d	Rtx-VMS 0.18 (mm)
IC 460-121792/5		07/30/2012 07:18	1	e06005.d	Rtx-VMS 0.18 (mm)
IC 460-121792/6		07/30/2012 08:52	1	e06009.d	Rtx-VMS 0.18 (mm)
IC 460-121792/7		07/30/2012 09:39	1	e06010.d	Rtx-VMS 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43270-1

SDG No.: _____

Instrument ID: VOAMS5 Start Date: 08/10/2012 07:53Analysis Batch Number: 123484 End Date: 08/10/2012 19:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-123484/1		08/10/2012 07:53	1	e06550.d	Rtx-VMS 0.18 (mm)
CCVIS 460-123484/2		08/10/2012 08:32	1	e06551.d	Rtx-VMS 0.18 (mm)
LCS 460-123484/3		08/10/2012 08:57	1	e06552.d	Rtx-VMS 0.18 (mm)
ZZZZZ		08/10/2012 09:21	1		Rtx-VMS 0.18 (mm)
MB 460-123484/4		08/10/2012 10:07	1	e06555.d	Rtx-VMS 0.18 (mm)
460-43270-1	WG-17338-080712-VAS1-MM-200	08/10/2012 12:05	5	e06560.d	Rtx-VMS 0.18 (mm)
460-43270-2	WG-17338-080712-VAS1-MM-201	08/10/2012 12:29	1	e06561.d	Rtx-VMS 0.18 (mm)
460-43270-3	WG-17338-080712-VAS1-MM-202	08/10/2012 12:52	1	e06562.d	Rtx-VMS 0.18 (mm)
460-43270-4	WG-17338-080712-VAS1-MM-203	08/10/2012 13:15	2	e06563.d	Rtx-VMS 0.18 (mm)
460-43270-1 MS	WG-17338-080712-VAS1-MM-200 MS	08/10/2012 13:39	10	e06564.d	Rtx-VMS 0.18 (mm)
ZZZZZ		08/10/2012 14:02	10		Rtx-VMS 0.18 (mm)
460-43270-1 MSD	WG-17338-080712-VAS1-MM-200 MSD	08/10/2012 14:02	10	e06565.d	Rtx-VMS 0.18 (mm)
ZZZZZ		08/10/2012 15:30	5		Rtx-VMS 0.18 (mm)
ZZZZZ		08/10/2012 15:54	2		Rtx-VMS 0.18 (mm)
ZZZZZ		08/10/2012 16:41	5		Rtx-VMS 0.18 (mm)
ZZZZZ		08/10/2012 17:04	10		Rtx-VMS 0.18 (mm)
ZZZZZ		08/10/2012 17:51	20		Rtx-VMS 0.18 (mm)
CCV 460-123484/17		08/10/2012 19:01	1	e06577.d	Rtx-VMS 0.18 (mm)

121792

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Std	PH	STD LOT	COMMENTS
07/30/12 0347	e05997.d	2	BFB		0	0	1	all		8260 HIGH	C
07/30/12 0434	e05999.d	2	ICIS-VMCAL3		5	0	1	HSDEL		8260 IS: 1560361 SURR 500:	C
07/30/12 0631	e06003.d	6	IC-VMCAL4		5	0	1	HSDEL		SURR 250: 1560362 SAS 500: 1655504 MX 1 500: 1606882 MX 1 500:	C
07/30/12 0655	e06004.d	7	IC-VMCAL5		5	0	1	HSDEL		1606881 MX 1 500:	C
07/30/12 0718	e06005.d	8	IC-VMCAL6		5	0	1	HSDEL		1606851 MX 1 500:	C
07/30/12 0852	e06009.d	12	IC-VMCAL2		5	0	1	HSDEL		AD AC: 1606885 GAS SP: 1655505	C
07/30/12 0939	e06010.d	14	IC-VMCAL1		5	0	1	HSDEL		8260 SP: 1606850 MX 3 SP: 1606853	C

Signed: H. J. J. J. J. Read and Understood by: Edith J.

Date: 07/30/12

Date: 07/30/12

1606889
1606888
1606887

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS5.1

Analytical Batch: /chem/VOAMS5.1/8260DE/07-30-12/10aug12w.b

Date Generated: 08/10/2012

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Date	Data File	ALS	Sample ID	Client ID	IV/	FV	Dil	Sublist	PH	STD	COMMENTS
08/10/12 0753	e06550.d	2	BFB		0	0	1			8260 HIGH	
08/10/12 0832	e06551.d	1	CCVIS		5	0	1			8260 IS: 166377 SURR 500:	L
08/10/12 0857	e06552.d	2	LCS		5	0	1			SURR 250: 166378 GAS 500: 1670840 MIX 1 500: 1663898 MIX 2 500: 1663906 MIX 3: 1663915 ACI/AC: 1663922 GAS SP: 1670841 8260 SP: 1663928 MIX 3 SP: 1663921 ACI/AC SP: 1663923 MISC: 1663924 1663925 BFB: 1663926 1663927 1663928 1663929 1663930	L
08/10/12 0921	e06553.d	3	LCSD		5	0	1				L
08/10/12 0944	e06554.d	4	MB		5	0	1				L (not required)
08/10/12 1007	e06555.d	5	MB		5	0	1				Mu clean up
08/10/12 1205	e06560.d	10	460-43270-B-1		5	0	5				L
08/10/12 1229	e06561.d	11	460-43270-B-2		5	0	1				L
08/10/12 1252	e06562.d	12	460-43270-B-3		5	0	1				L
08/10/12 1315	e06563.d	13	460-43270-B-4		5	0	2				L
08/10/12 1339	e06564.d	14	460-43270-B-1 MS		5	0	10				L
08/10/12 1402	e06565.d	15	460-43270-B-1MSD		5	0	10				L
08/10/12 1426	e06566.d	16	BLANK		5	0	1				L
08/10/12 1452	e06567.d	17	460-43314-B-9	TR-17338-212	5	0	1				Mu clean up AA CIO

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS5.i
Analytical Batch: /chem/VOAMS5.i/8260DE/07-30-12/10aug12w.b

Date Generated: 08/10/2012
Page 2

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	DLL Fac	Sublist	PH	STD LOT	COMMENTS
08/10/12 1530	e06568.d	18	460-43314-A-1	WG-17338-080812-VAS	5	0	5				G for 11/12 RA 1X
08/10/12 1554	e06569.d	19	460-43314-B-2	WG-17338-080812-VAS	5	0	2				RA 1X
08/10/12 1617	e06570.d	20	460-43314-A-3	WG-17338-080812-VAS	5	0	1				RA 1X
08/10/12 1641	e06571.d	21	460-43314-A-4	WG-17338-080812-VAS	5	0	5				RA 5X
08/10/12 1704	e06572.d	22	460-43314-A-5	WG-17338-080812-VAS	5	0	10				RA 1X
08/10/12 1727	e06573.d	23	460-43314-B-6	WG-17338-080812-VAS	5	0	10				RA 2X
08/10/12 1751	e06574.d	24	460-43314-B-7	WG-17338-080812-VAS	5	0	20				RA 2/5X
08/10/12 1814	e06575.d	25	460-43314-B-8	WG-17338-080812-VAS	5	0	10				RA 5X
08/10/12 1837	e06576.d	26	CCV		5	0	1				RA 20X
08/10/12 1901	e06577.d	27	CCV		5	0	1				RA 20X

Dilutions:
2X - 25 ml → 50 ml FV
5X - 10 ml → 50 ml FV
10X - 5 ml → 50 ml FV
20X - 2.5 ml → 50 ml FV

Signed: Ellie May for AT Read and Understood by: Ben Barker
Date: 08/14/12 Date: 08/14/12

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

[illegible]

Special Instructions

Relinquished by	Company	Date / Time	Received by	Company
<i>Alister Lloyd</i>	CEA	8/12/1536	<i>F. A. A.</i>	TA
Relinquished by <i>F. A. A.</i>	Company TA	Date / Time 8/7/16:44:20	Received by <i>John Bony</i>	Company TA
Relinquished by <i>John Bony</i>	Company TA	Date / Time 8/11/18, 1915	Received by <i>John Bony</i>	Company TA
Relinquished by	Company	Date / Time	Received by	Company
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

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08/14/2012

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43270-1

Login Number: 43270

List Source: TestAmerica Edison

List Number: 1

Creator: Franklin, Jannel O

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8 ° C IR#50
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.